

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060103.D
 Acq On : 14 Feb 2020 12:05
 Operator : JC/MD
 Sample : VN0214MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 02:43:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	298504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	115394	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	7.56	113	89352	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.08	98	354211	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.40	95	127240	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42774	22.935	ug/l	100
3) Chloromethane	2.04	50	52234	23.535	ug/l	94
4) Vinyl Chloride	2.17	62	58456	23.107	ug/l	99
5) Bromomethane	2.55	94	33567	21.640	ug/l	99
6) Chloroethane	2.69	64	29525	23.075	ug/l	99
7) Trichlorofluoromethane	3.00	101	70587	21.642	ug/l	99
8) Diethyl Ether	3.39	74	25073	23.094	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40642	22.444	ug/l	97
10) Methyl Iodide	3.93	142	52600	23.028	ug/l	100
11) Tert butyl alcohol	4.73	59	38972	114.709	ug/l	100
12) 1,1-Dichloroethene	3.72	96	39842	22.586	ug/l	98
13) Acrolein	3.58	56	26919	80.159	ug/l	95
14) Allyl chloride	4.29	41	59126	22.772	ug/l	98
15) Acrylonitrile	4.94	53	100510	121.139	ug/l	99
16) Acetone	3.78	43	109324	110.393	ug/l	98
17) Carbon Disulfide	4.03	76	117204	22.043	ug/l	100
18) Methyl Acetate	4.29	43	45473	24.444	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	132745	22.376	ug/l	99
20) Methylene Chloride	4.52	84	44477	22.511	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	42343	22.020	ug/l	95
22) Diisopropyl ether	5.91	45	133790	23.512	ug/l	98
23) Vinyl Acetate	5.86	43	568098	118.886	ug/l	98
24) 1,1-Dichloroethane	5.82	63	79430	23.043	ug/l	98
25) 2-Butanone	6.80	43	144060	115.664	ug/l	95
26) 2,2-Dichloropropane	6.80	77	73902	22.572	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	49348	21.928	ug/l	97
28) Bromochloromethane	7.17	49	26489	19.547	ug/l	94
29) Tetrahydrofuran	7.18	42	89516	117.154	ug/l	97
30) Chloroform	7.35	83	81212	22.491	ug/l	100
31) Cyclohexane	7.63	56	75419	23.487	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	71692	21.726	ug/l	99
36) 1,1-Dichloropropene	7.77	75	61256	22.155	ug/l	99
37) Ethyl Acetate	6.90	43	58484	23.405	ug/l	99
38) Carbon Tetrachloride	7.75	117	63055	20.999	ug/l	99

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Instrument :
 MSVOA_N
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 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	75298	21.939	ug/l	97
40) Benzene	8.02	78	179732	21.914	ug/l	98
41) Methacrylonitrile	7.18	41	83234	79.427	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	64574	22.464	ug/l	100
43) Isopropyl Acetate	8.14	43	99138	23.209	ug/l	99
44) Trichloroethene	8.82	130	48551	21.379	ug/l	99
45) 1,2-Dichloropropane	9.10	63	46487	22.894	ug/l	99
46) Dibromomethane	9.19	93	30596	21.323	ug/l	99
47) Bromodichloromethane	9.38	83	63398	21.732	ug/l	99
48) Methyl methacrylate	9.18	41	43070	22.473	ug/l	95
49) 1,4-Dioxane	9.18	88	15277	466.546	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	288948	116.869	ug/l	98
52) Toluene	10.14	92	115073	21.879	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	73123	22.206	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	76384	22.029	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	44431	21.654	ug/l	97
56) Ethyl methacrylate	10.42	69	63873	22.006	ug/l	96
57) 1,3-Dichloropropane	10.70	76	75188	22.208	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	124501	92.071	ug/l	98
59) 2-Hexanone	10.74	43	217962	114.123	ug/l	98
60) Dibromochloromethane	10.89	129	48621	20.650	ug/l	98
61) 1,2-Dibromoethane	11.00	107	45493	21.151	ug/l	100
64) Tetrachloroethene	10.62	164	44259	21.153	ug/l	97
65) Chlorobenzene	11.43	112	119396	21.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	46195	21.776	ug/l	99
67) Ethyl Benzene	11.50	91	221639	21.915	ug/l	100
68) m/p-Xylenes	11.62	106	165122	43.501	ug/l	99
69) o-Xylene	11.94	106	79457	21.741	ug/l	99
70) Styrene	11.96	104	125189	21.242	ug/l	99
71) Bromoform	12.12	173	34821	20.408	ug/l #	99
73) Isopropylbenzene	12.24	105	214599	21.747	ug/l	99
74) N-amyl acetate	12.06	43	85251	23.959	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	65645	23.112	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	84322	33.353	ug/l #	100
77) Bromobenzene	12.52	156	51215	20.914	ug/l	94
78) n-propylbenzene	12.59	91	249031	22.151	ug/l	98
79) 2-Chlorotoluene	12.67	91	144701	21.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	179627	21.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22698	21.983	ug/l	98
82) 4-Chlorotoluene	12.77	91	147816	21.803	ug/l	99
83) tert-Butylbenzene	12.99	119	154429	21.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	178605	22.053	ug/l	100
85) sec-Butylbenzene	13.17	105	208176	21.658	ug/l	100
86) p-Isopropyltoluene	13.28	119	189192	21.724	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	92804	21.409	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	93558	21.587	ug/l	99
89) n-Butylbenzene	13.61	91	169552	22.135	ug/l	99
90) Hexachloroethane	13.87	117	34473	21.188	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	91521	21.574	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13665	22.198	ug/l	90

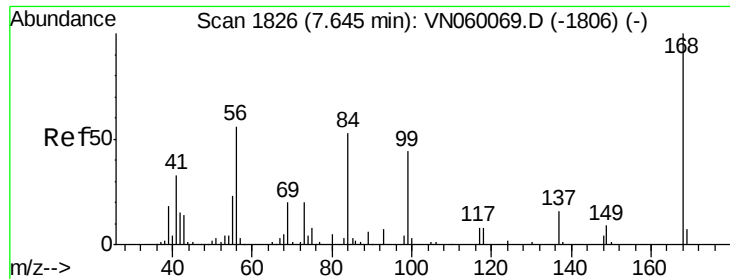
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021420\
Data File : VN060103.D
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Quant Time: Feb 15 02:43:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55473	22.255	ug/l	99
94) Hexachlorobutadiene	15.01	225	30801	21.108	ug/l	98
95) Naphthalene	15.13	128	149156	22.152	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	54186	21.829	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

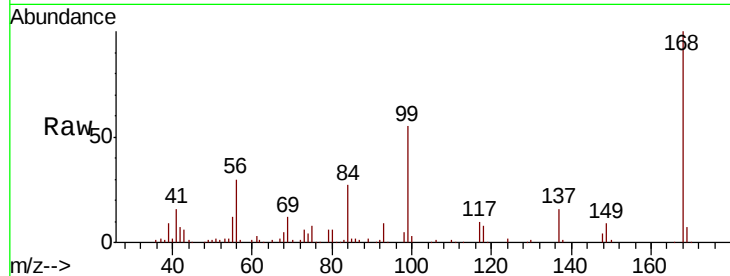
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 186580

Ion Ratio Lower Upper

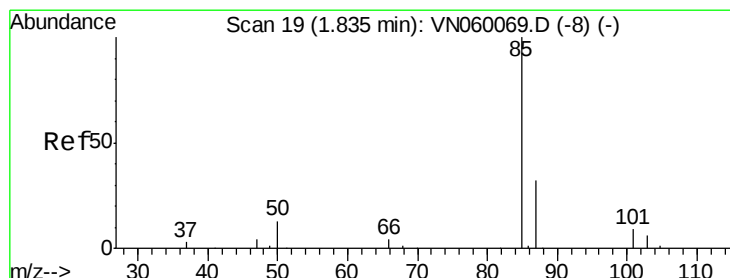
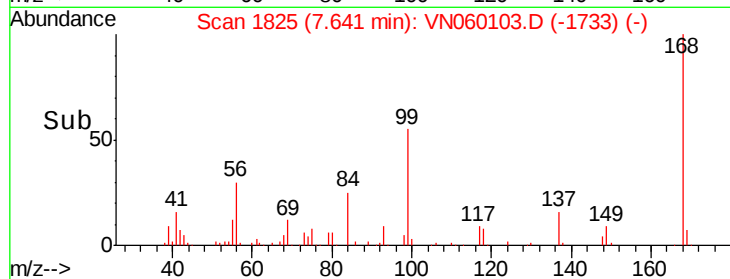
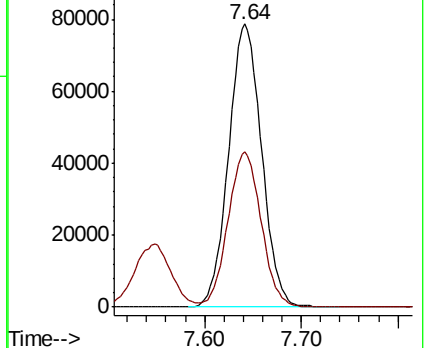
168 100

99 54.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.935 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060103.D

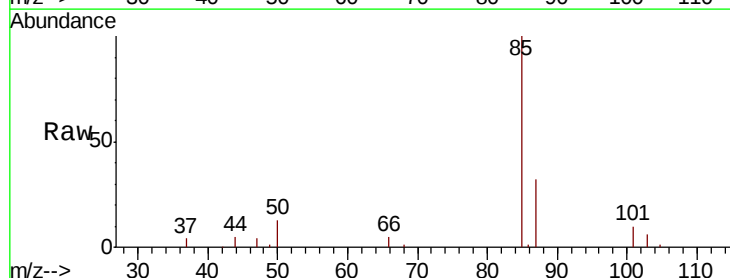
Acq: 14 Feb 2020 12:05

Tgt Ion: 85 Resp: 42774

Ion Ratio Lower Upper

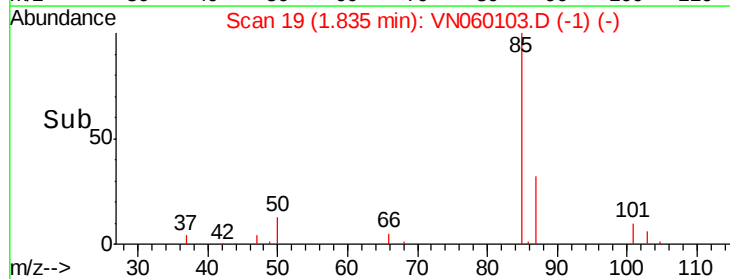
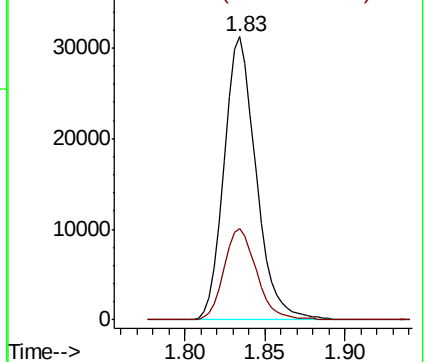
85 100

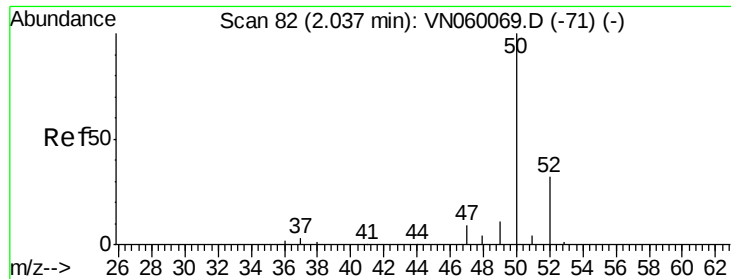
87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.535 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

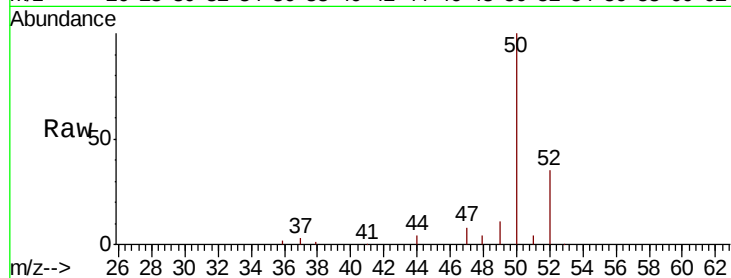
ClientSampleId :

Tot Ion: 50 Resp: 52234

Ion Ratio Lower Upper

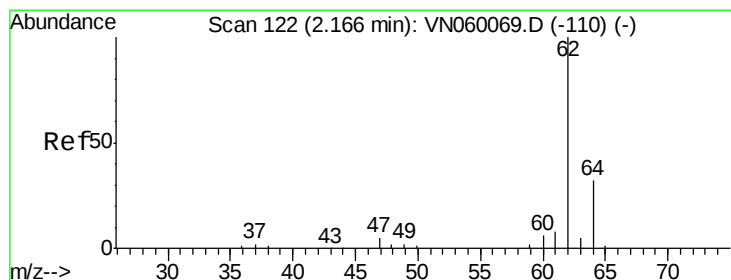
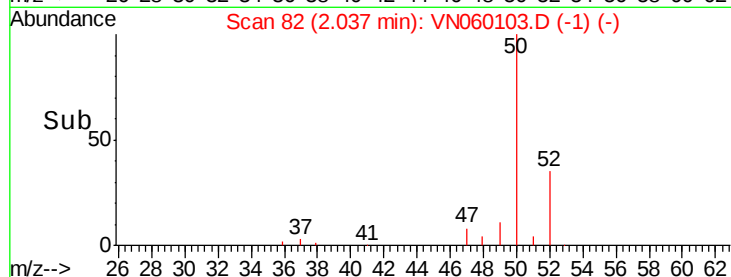
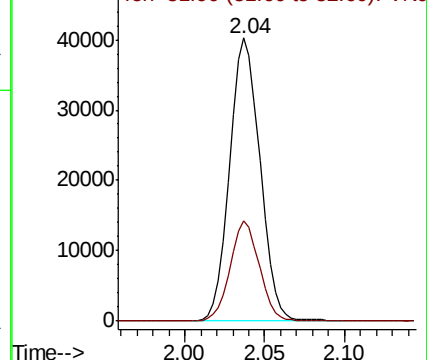
50 100

52 35.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 23.107 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060103.D

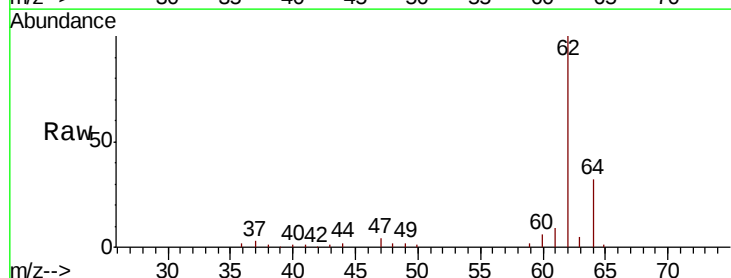
Acq: 14 Feb 2020 12:05

Tgt Ion: 62 Resp: 58456

Ion Ratio Lower Upper

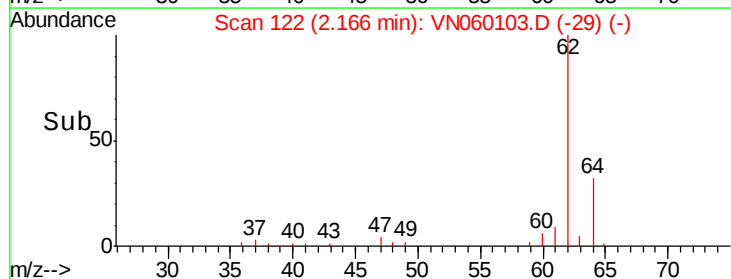
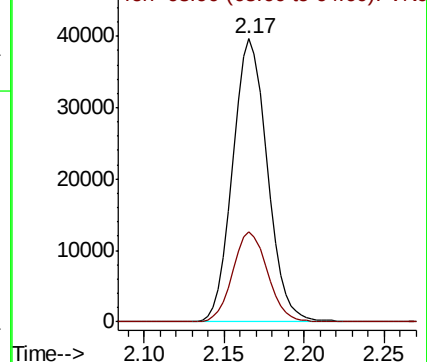
62 100

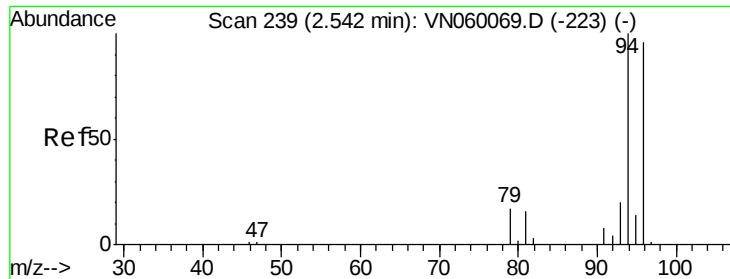
64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

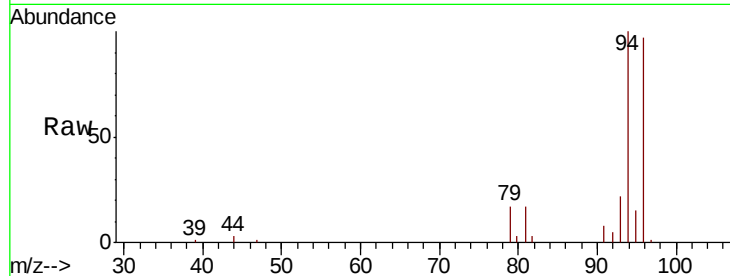




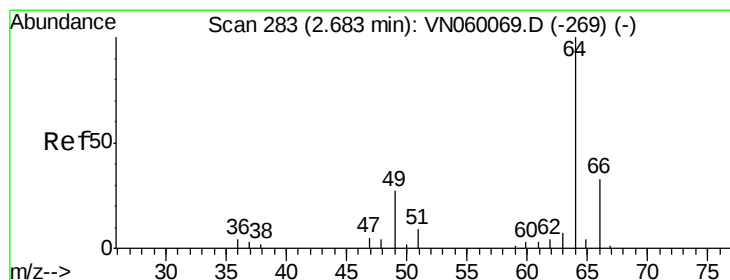
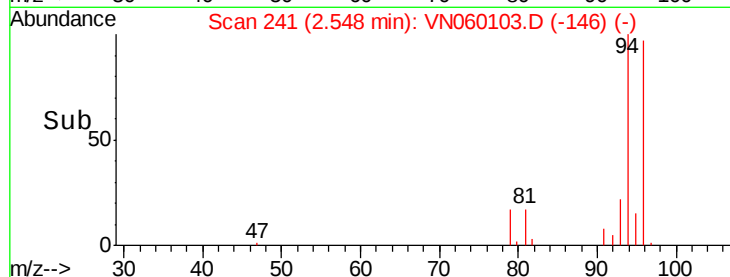
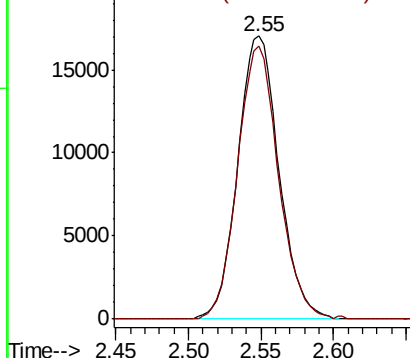
#5
Bromomethane
Concen: 21.640 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 33567
Ion Ratio Lower Upper
94 100
96 96.7 76.7 115.1

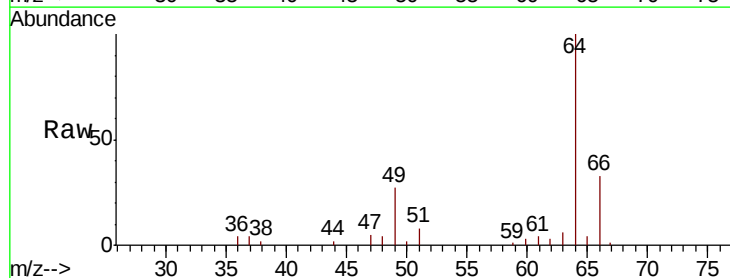


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

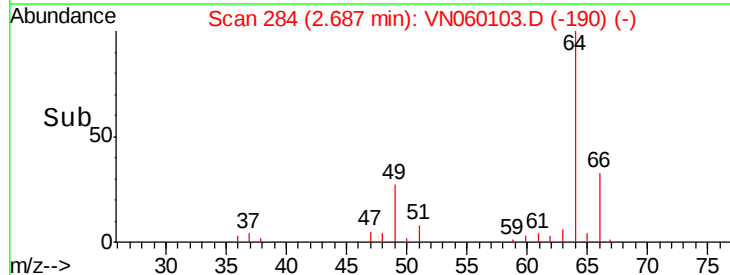
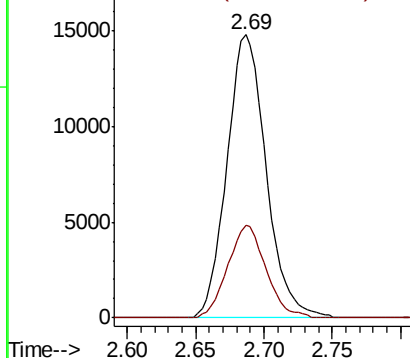


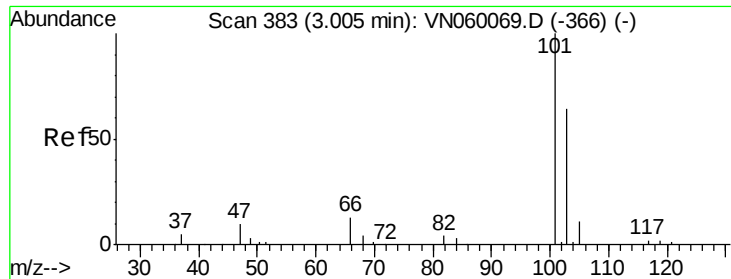
#6
Chloroethane
Concen: 23.075 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 64 Resp: 29525
Ion Ratio Lower Upper
64 100
66 32.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



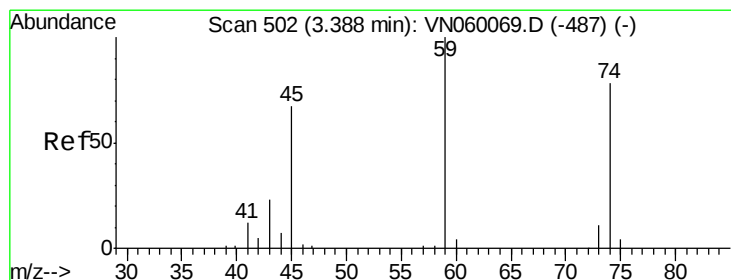
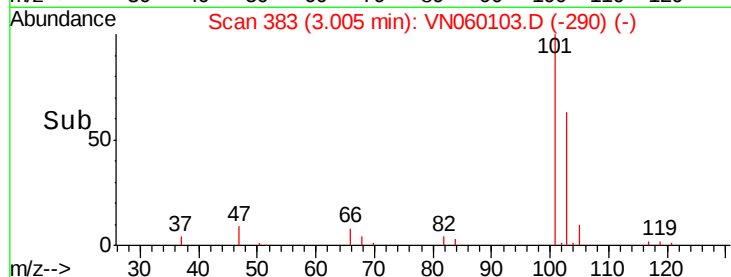
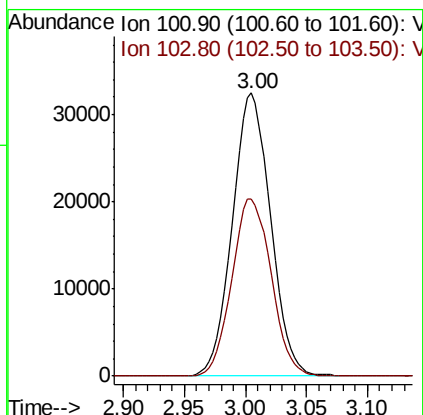
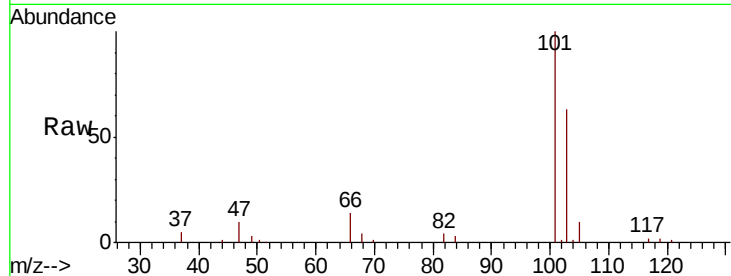


#7

Trichlorofluoromethane
 Concen: 21.642 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :

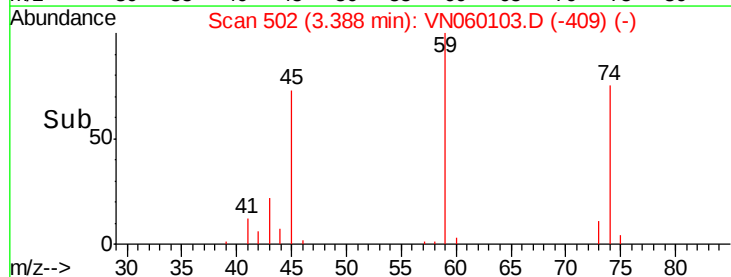
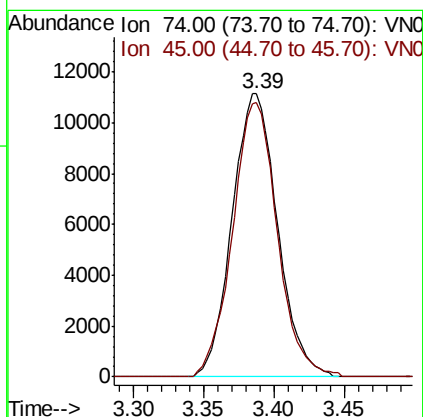
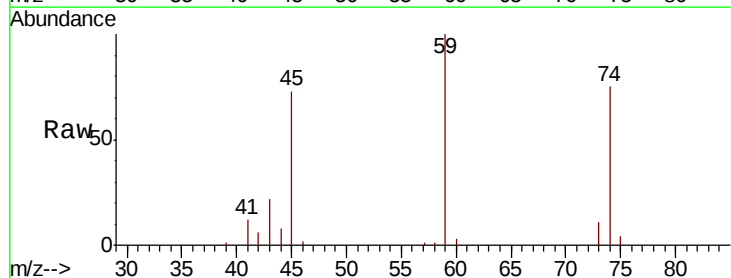
Tot Ion:101 Resp: 70587
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.0 76.6

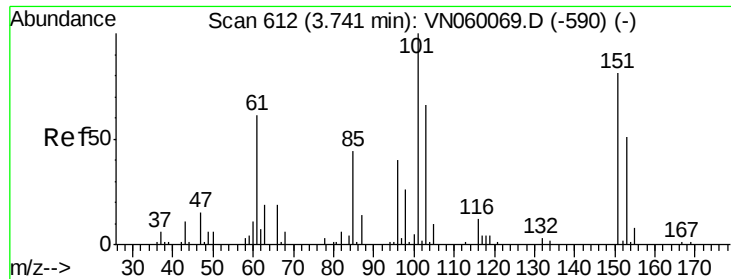


#8

Diethyl Ether
 Concen: 23.094 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 74 Resp: 25073
 Ion Ratio Lower Upper
 74 100
 45 95.5 44.7 134.1

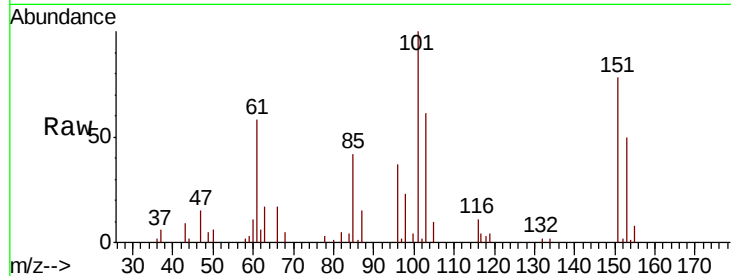




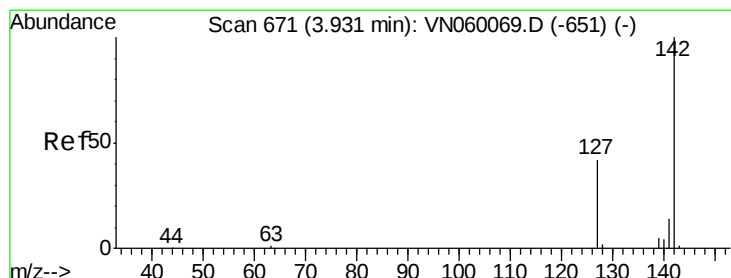
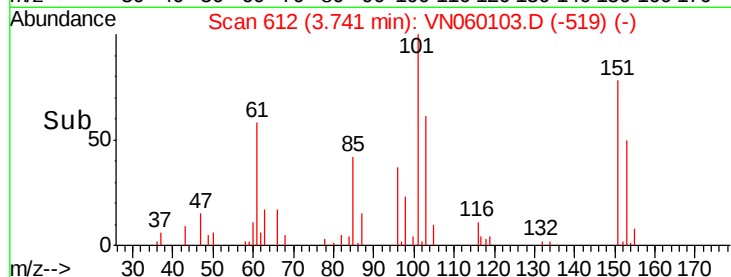
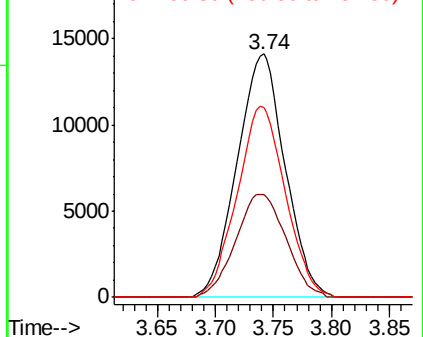
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.444 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 40642
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.1 52.7
 151 78.7 65.8 98.6

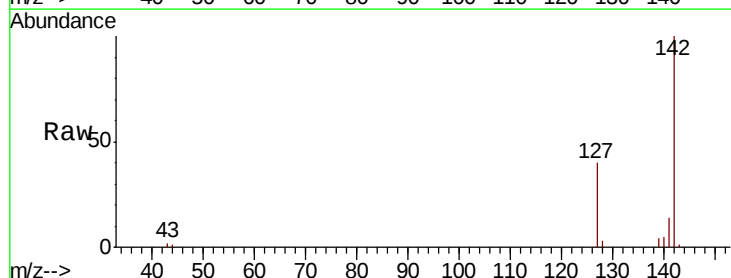


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

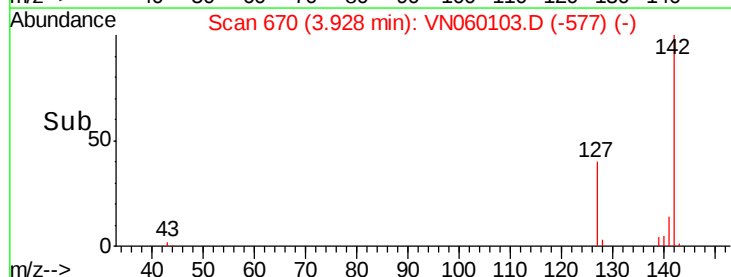
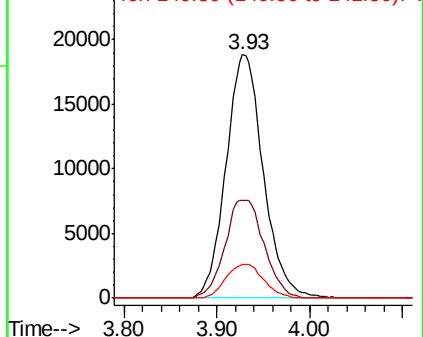


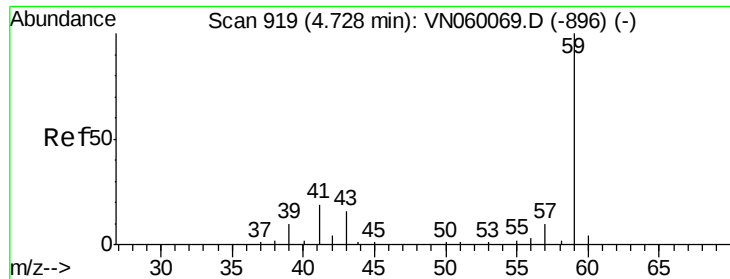
#10
 Methyl Iodide
 Concen: 23.028 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion:142 Resp: 52600
 Ion Ratio Lower Upper
 142 100
 127 42.1 33.6 50.4
 141 14.0 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V

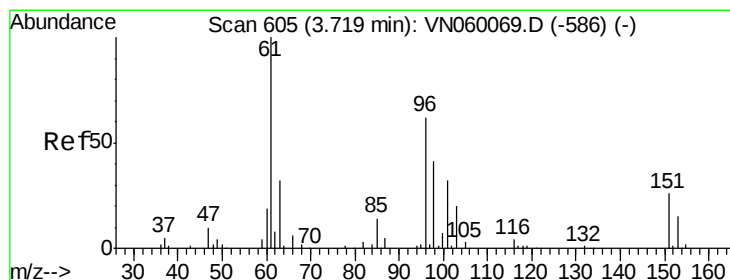
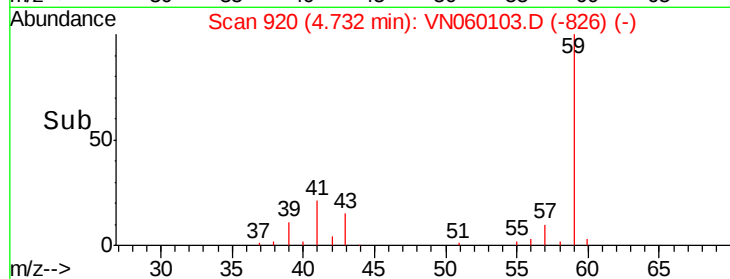
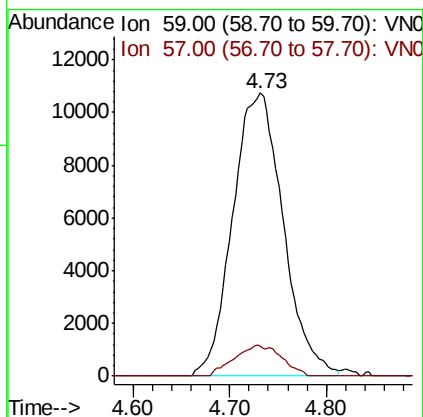
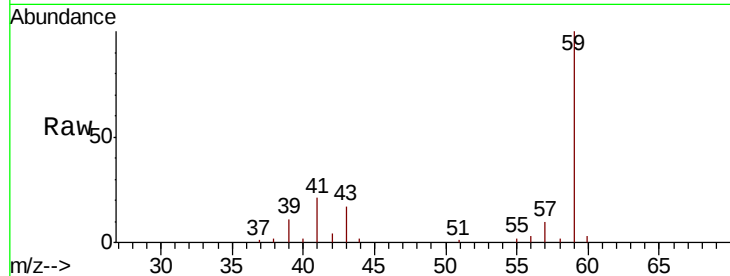




#11
Tert butyl alcohol
Concen: 114.709 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

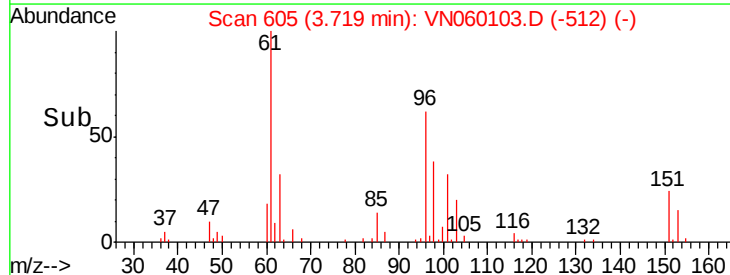
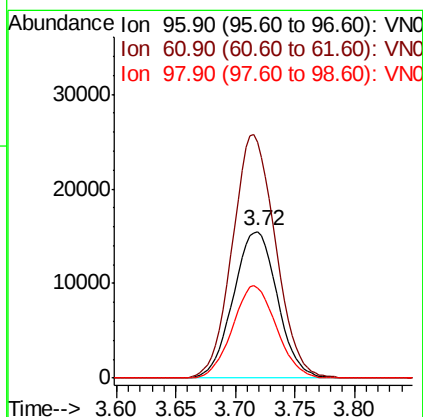
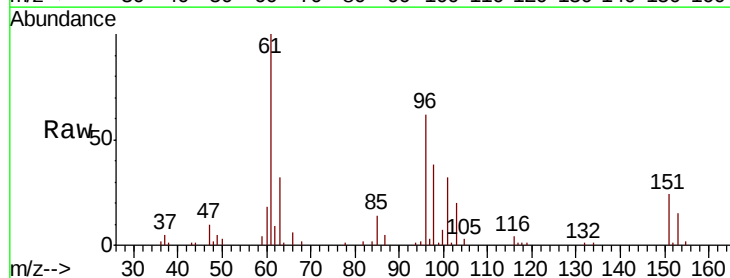
Instrument :
MSVOA_N
ClientSampled :

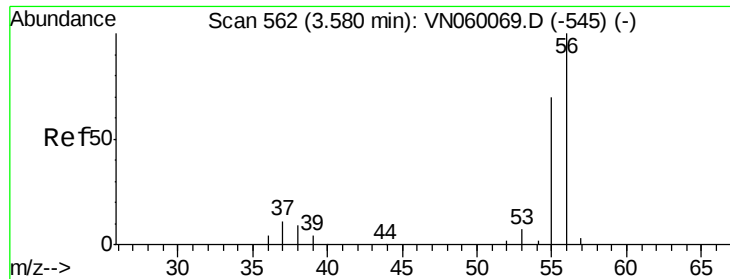
Tot Ion: 59 Resp: 38972
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



#12
1,1-Dichloroethene
Concen: 22.586 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 96 Resp: 39842
Ion Ratio Lower Upper
96 100
61 161.0 128.3 192.5
98 61.7 52.2 78.4





#13

Acrolein

Concen: 80.159 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

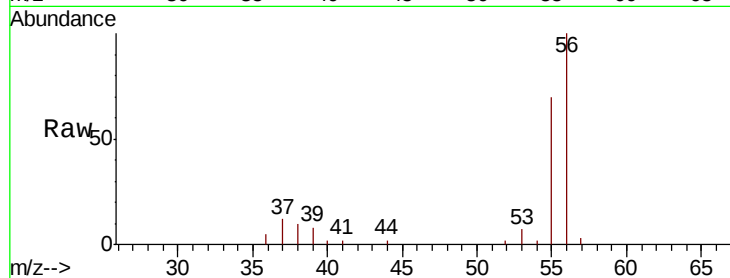
ClientSampled :

Tot Ion: 56 Resp: 26919

Ion Ratio Lower Upper

56 100

55 72.4 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060103.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN060103.D (-469) (-)

3.58

12000

10000

8000

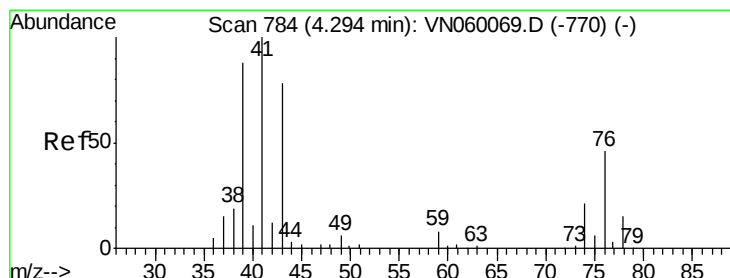
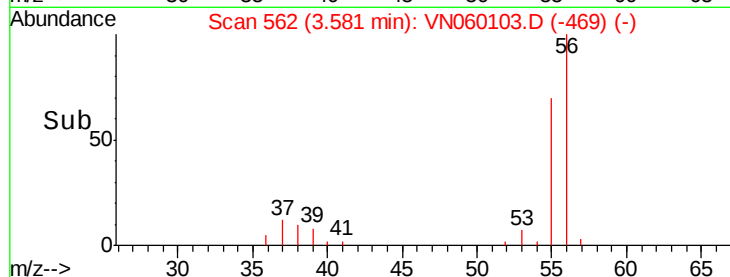
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 22.772 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

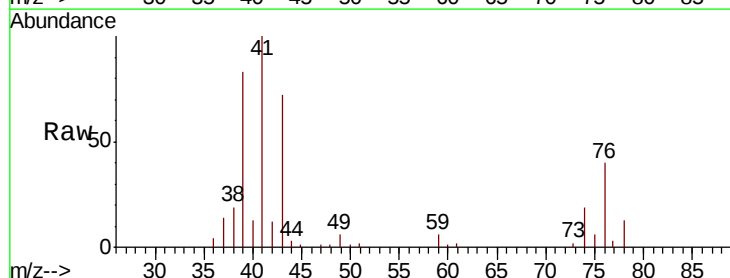
Tgt Ion: 41 Resp: 59126

Ion Ratio Lower Upper

41 100

39 83.2 67.8 101.8

76 41.2 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060103.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060103.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060103.D (-691) (-)

4.29

25000

20000

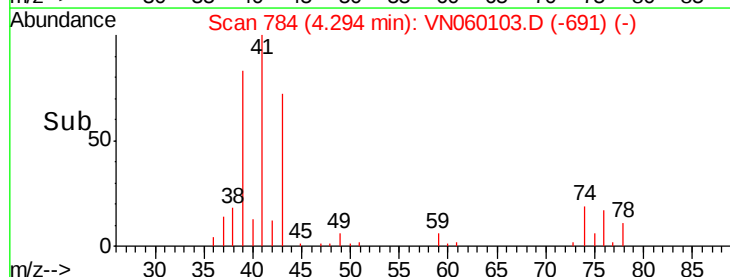
15000

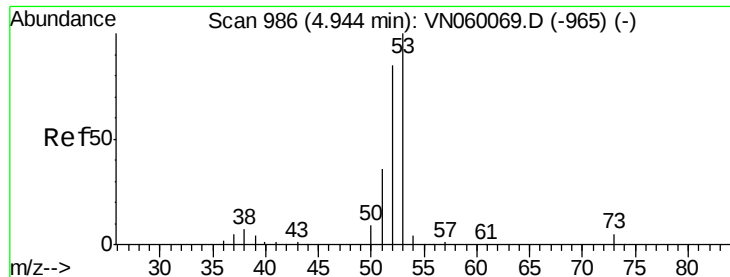
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 121.139 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

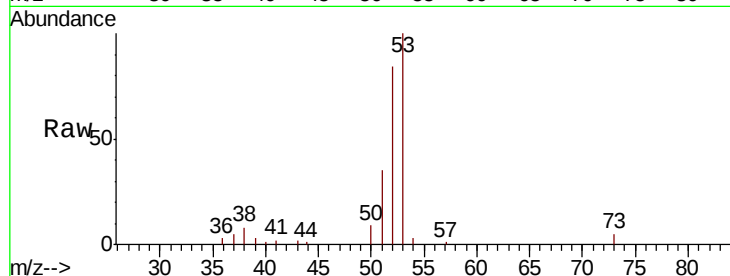
Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 100510

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.6	29.4	44.0

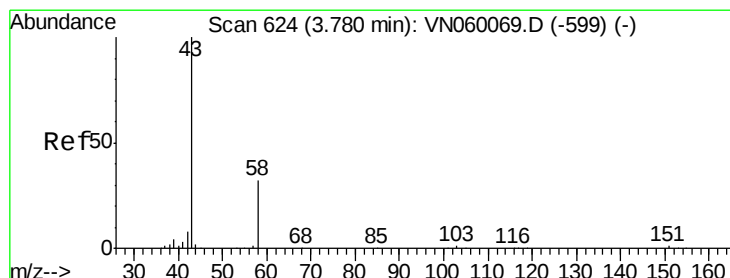
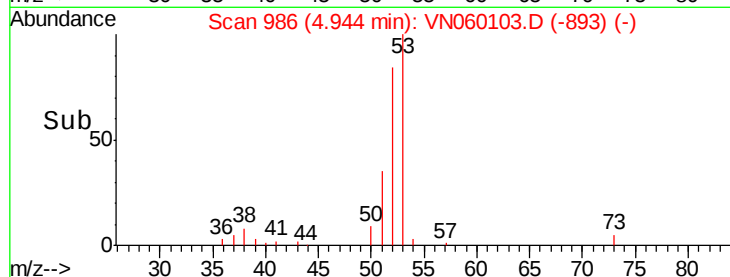
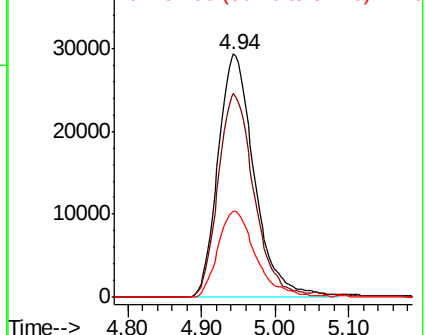


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 110.393 ug/l

RT: 3.78 min Scan# 624

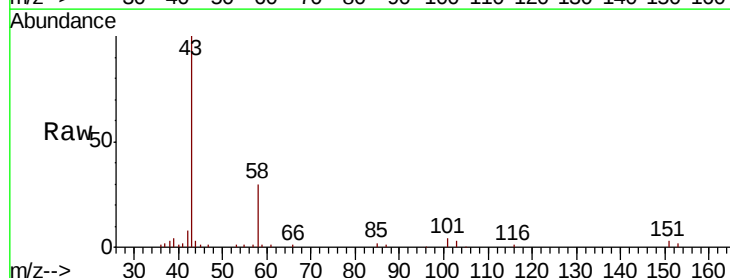
Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion: 43 Resp: 109324

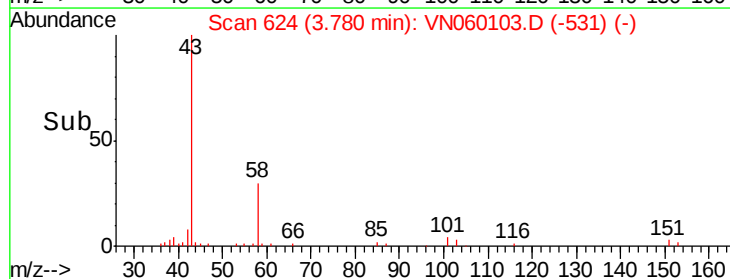
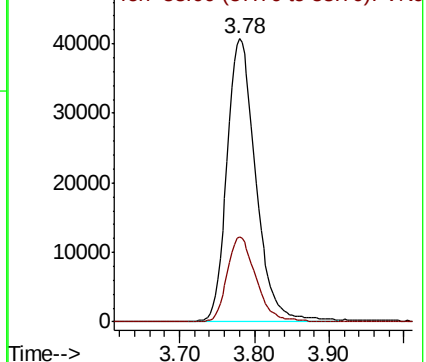
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.2	37.8

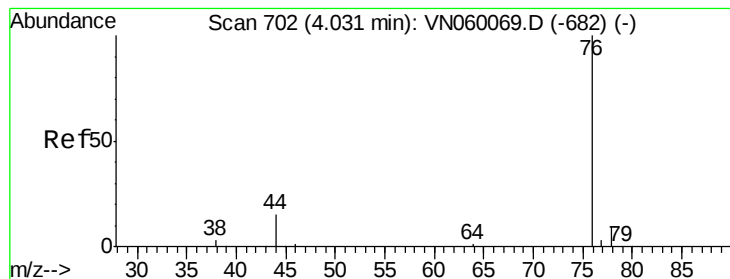


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 22.043 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

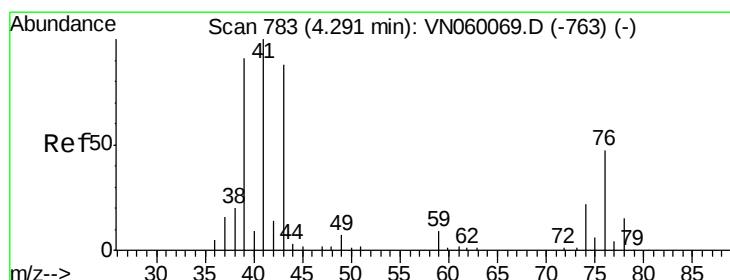
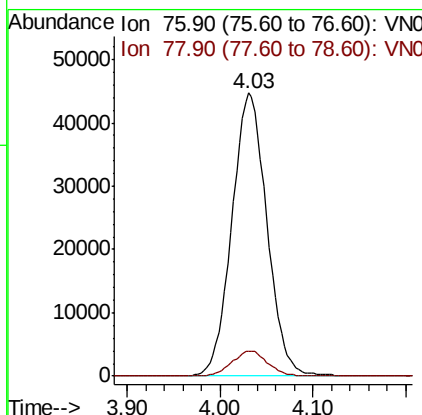
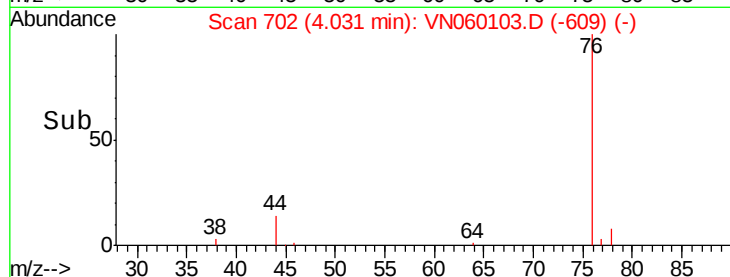
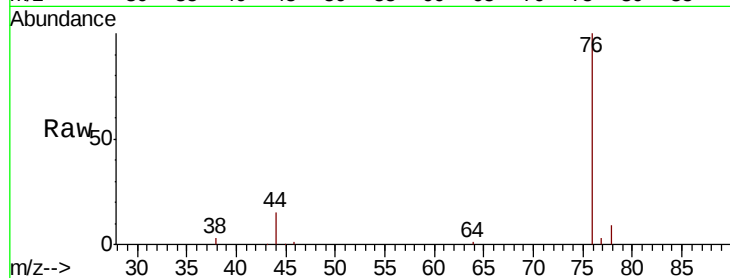
ClientSampleId :

Tot Ion: 76 Resp: 117204

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



#18

Methyl Acetate

Concen: 24.444 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060103.D

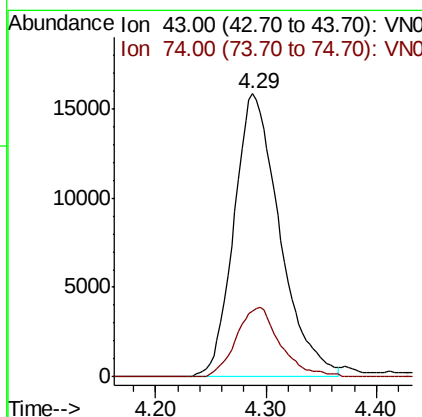
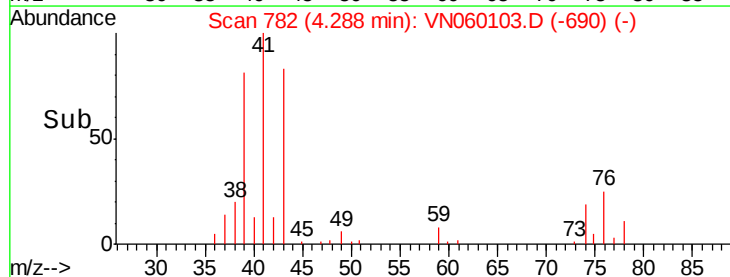
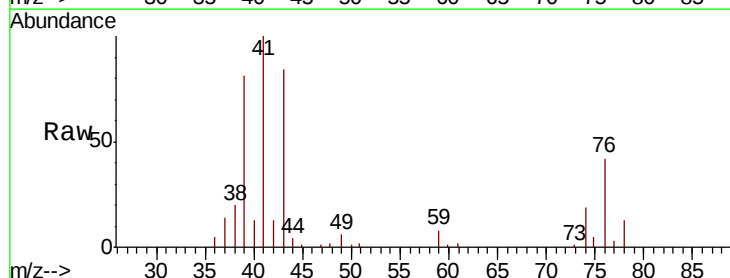
Acq: 14 Feb 2020 12:05

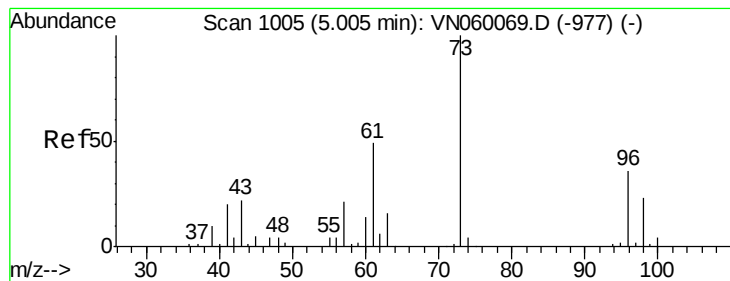
Tgt Ion: 43 Resp: 45473

Ion Ratio Lower Upper

43 100

74 23.5 20.3 30.5



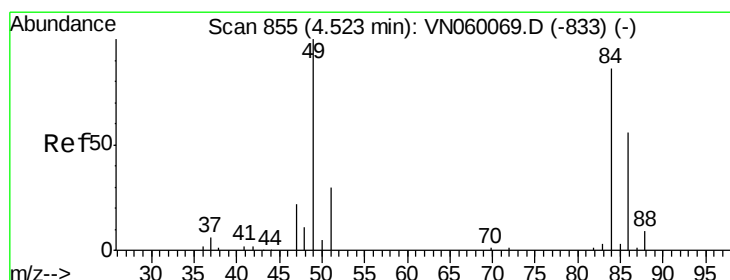
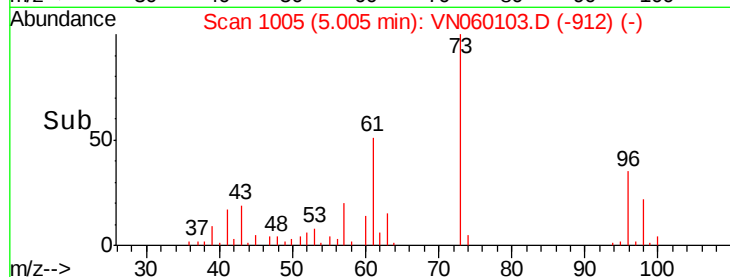
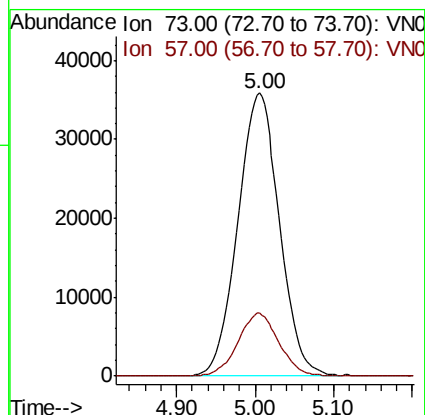
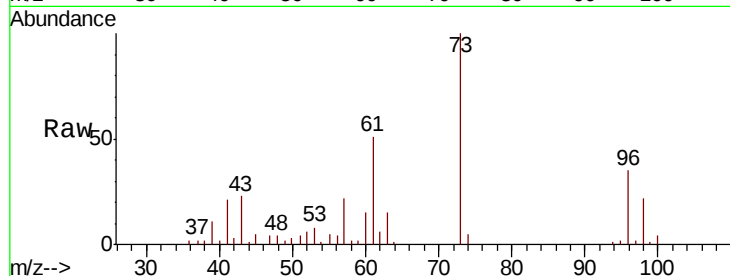


#19

Methyl tert-butyl Ether
 Concen: 22.376 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :

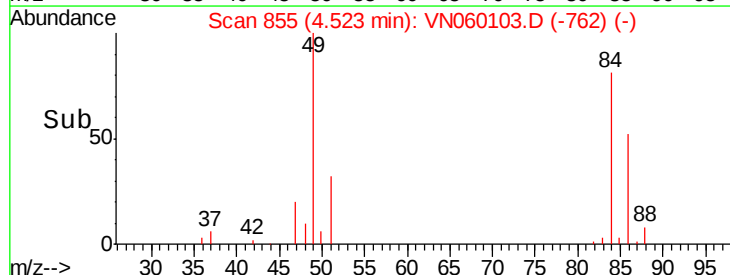
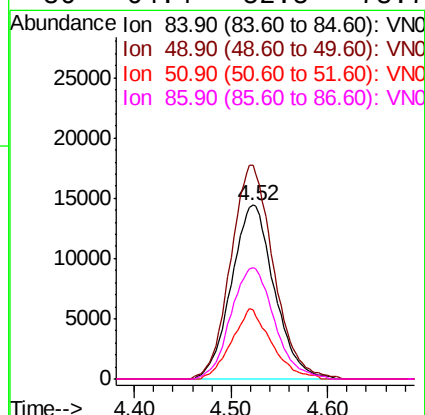
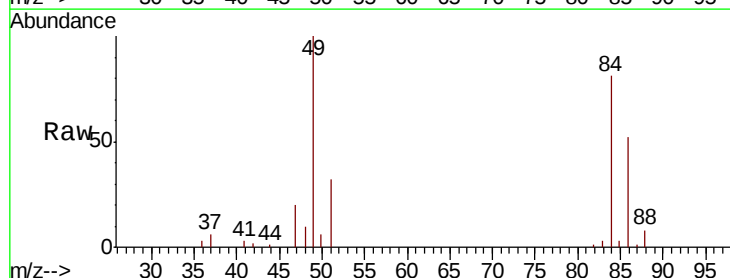
Tot Ion: 73 Resp: 132745
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.2 25.8

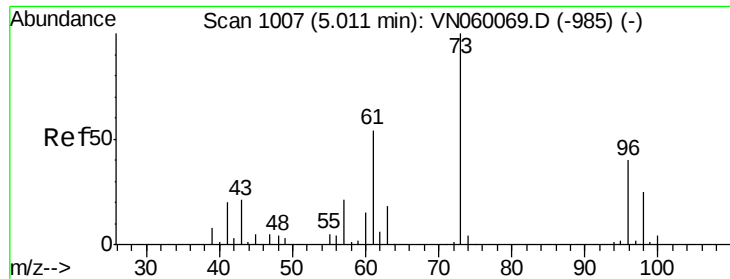


#20

Methylene Chloride
 Concen: 22.511 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 84 Resp: 44477
 Ion Ratio Lower Upper
 84 100
 49 123.0 93.4 140.0
 51 39.6 28.4 42.6
 86 64.4 52.5 78.7

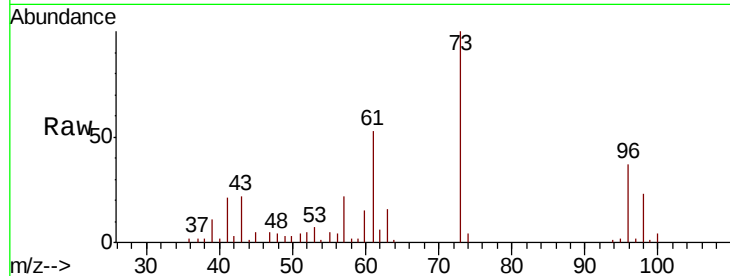




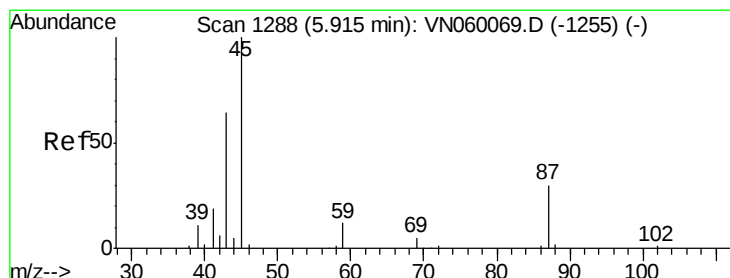
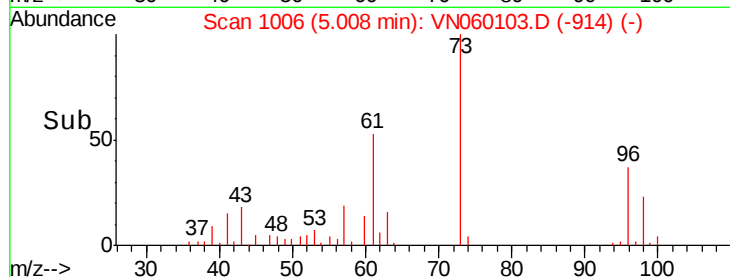
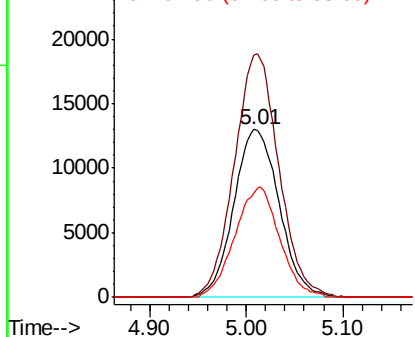
#21
trans-1,2-Dichloroethene
Concen: 22.020 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 42343
Ion Ratio Lower Upper
96 100
61 144.4 109.3 163.9
98 61.7 51.0 76.6

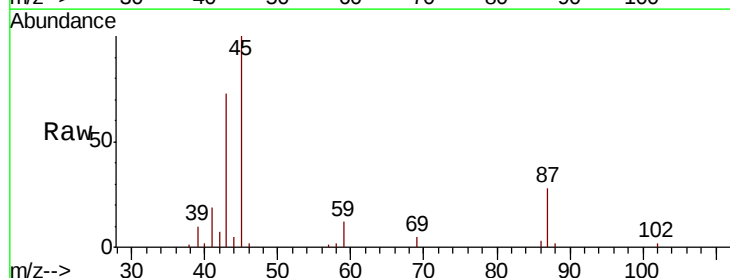


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

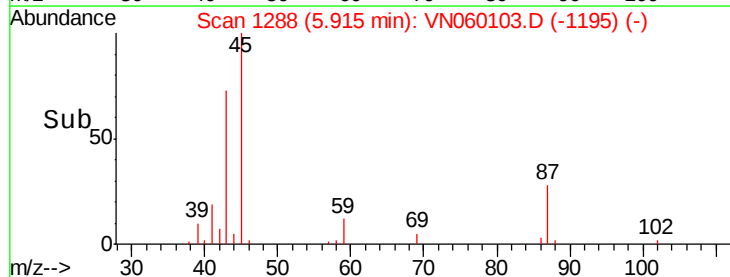
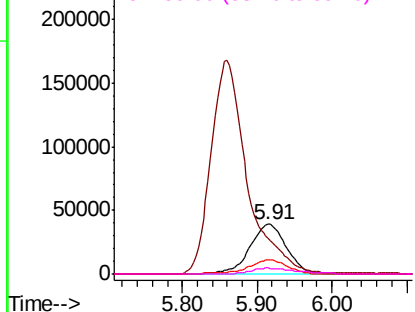


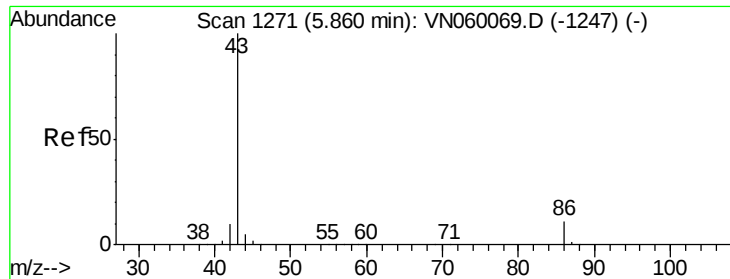
#22
Diisopropyl ether
Concen: 23.512 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 45 Resp: 133790
Ion Ratio Lower Upper
45 100
43 70.4 55.9 83.9
87 28.3 24.5 36.7
59 11.5 9.9 14.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

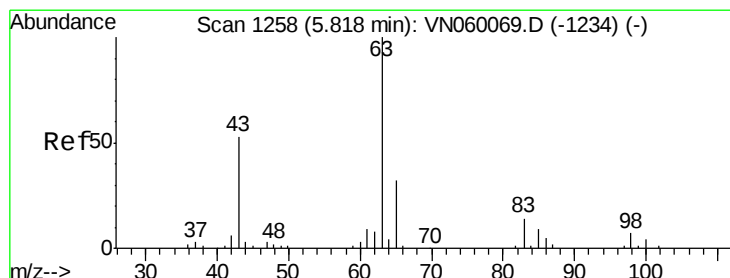
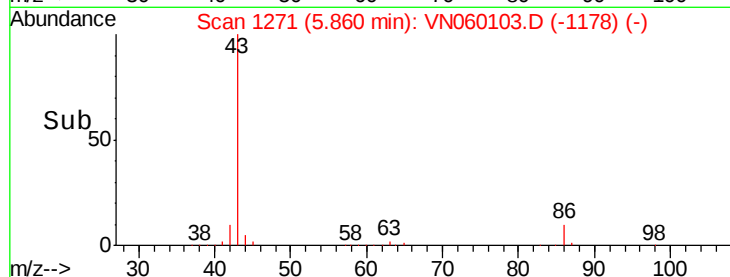
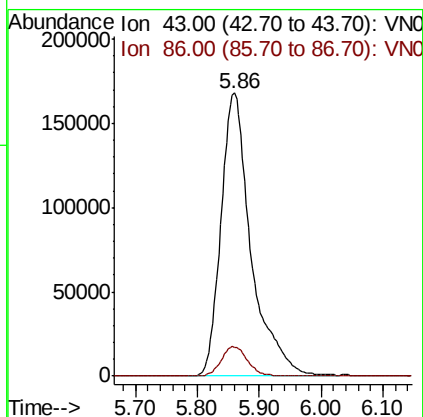
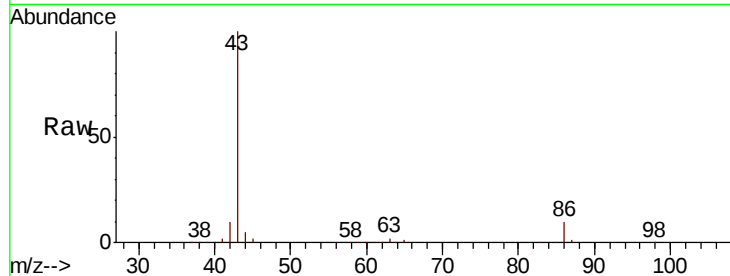




#23
 Vinyl Acetate
 Concen: 118.886 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

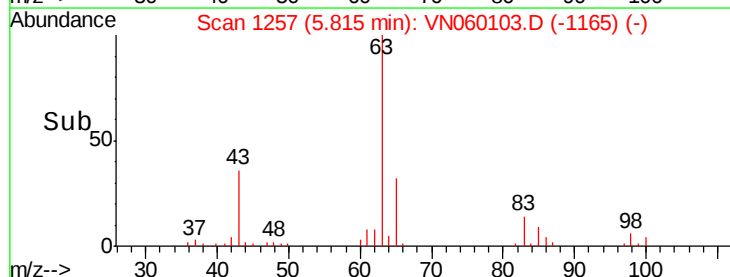
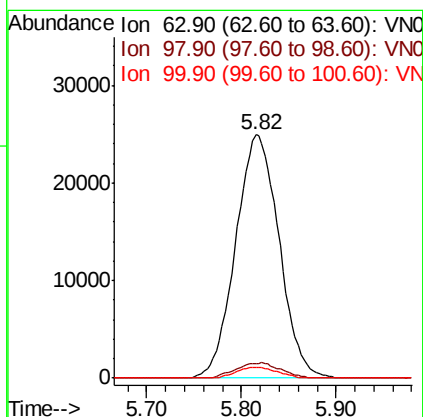
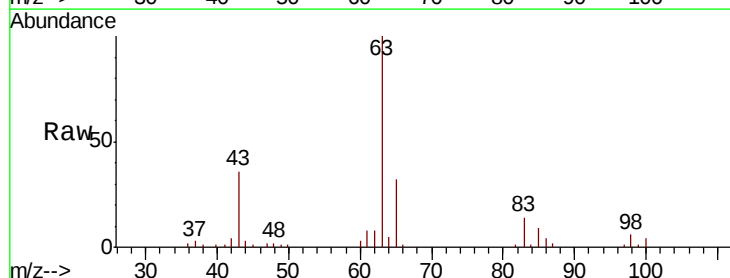
Instrument :
 MSVOA_N
 ClientSampleId :

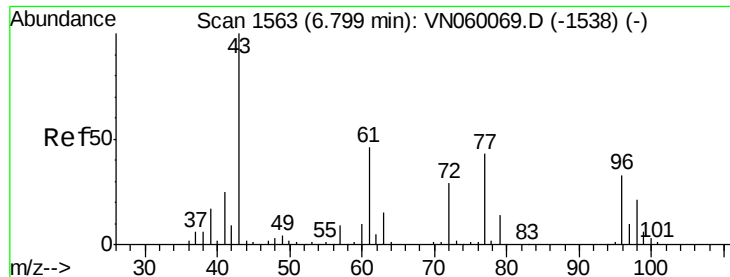
Tot Ion: 43 Resp: 568098
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 23.043 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 63 Resp: 79430
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 115.664 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

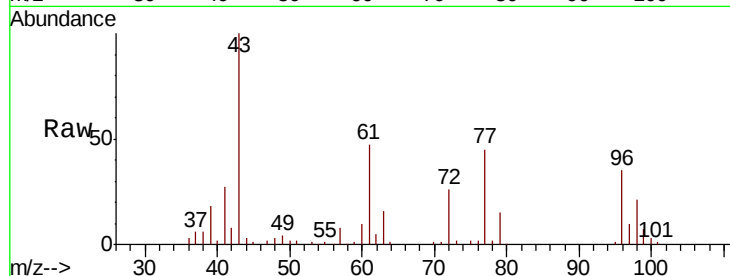
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 144060

Ion Ratio Lower Upper

43 100

72 26.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

6.80

50000

40000

30000

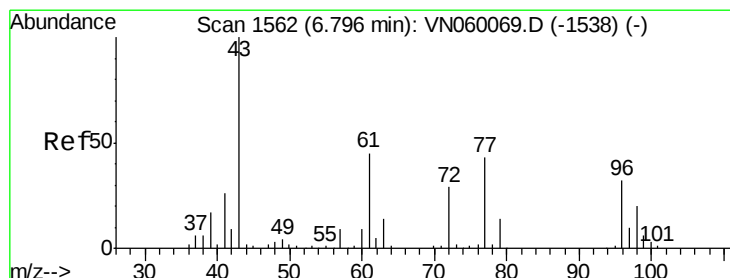
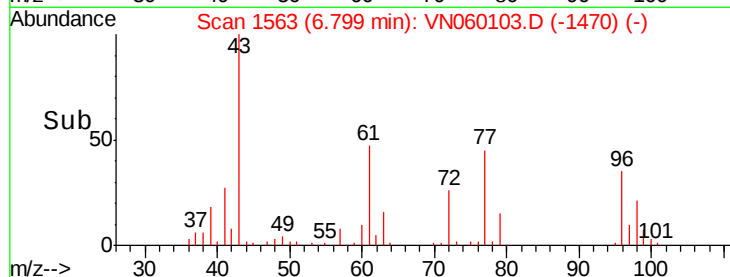
20000

10000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 22.572 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060103.D

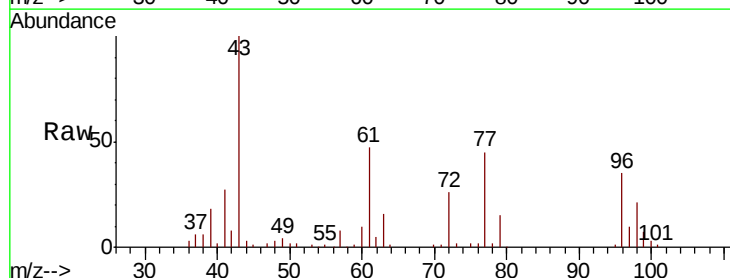
Acq: 14 Feb 2020 12:05

Tgt Ion: 77 Resp: 73902

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)

6.80

25000

20000

15000

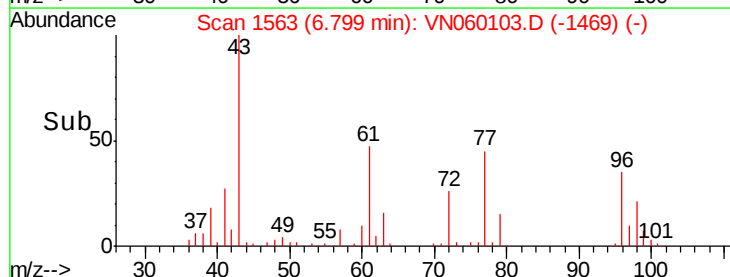
10000

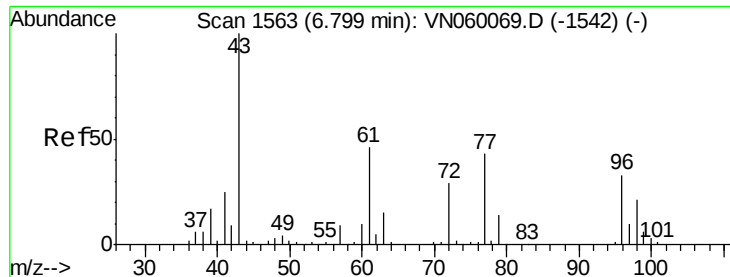
5000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.928 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

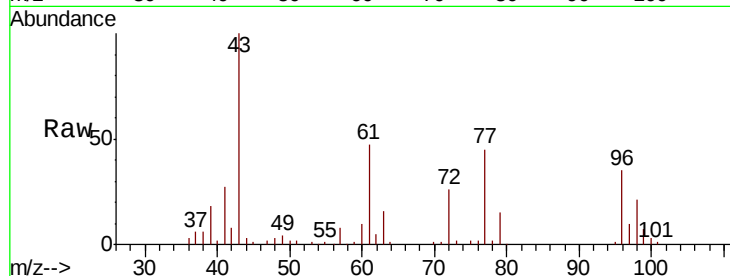
Tot Ion: 96 Resp: 49348

Ion Ratio Lower Upper

96 100

61 147.6 0.0 285.8

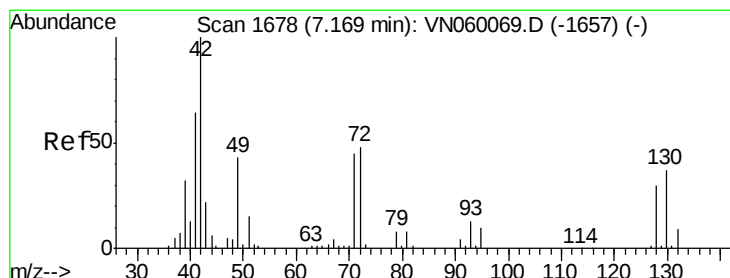
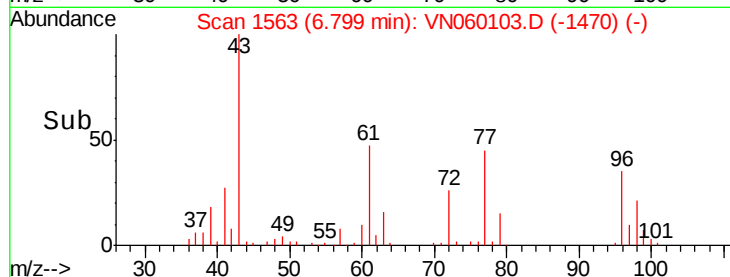
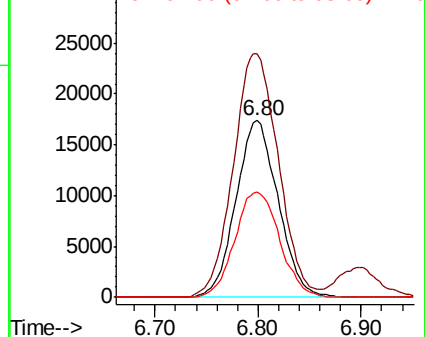
98 63.3 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060103.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060103.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060103.D (-1470) (-)



#28

Bromochloromethane

Concen: 19.547 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

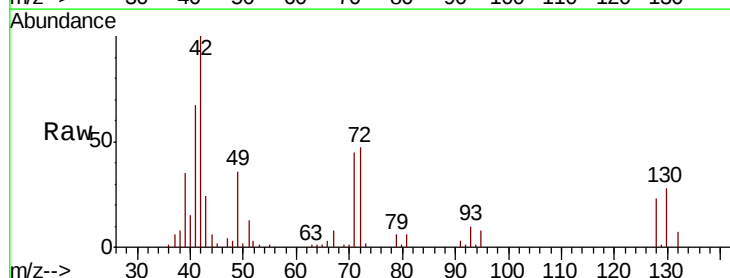
Tgt Ion: 49 Resp: 26489

Ion Ratio Lower Upper

49 100

129 0.5 0.0 2.2

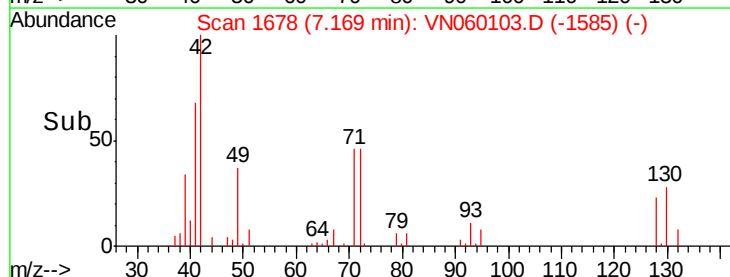
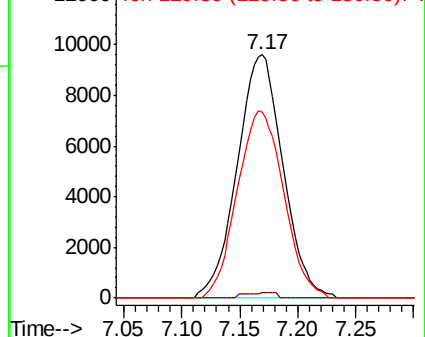
130 77.6 66.8 100.2

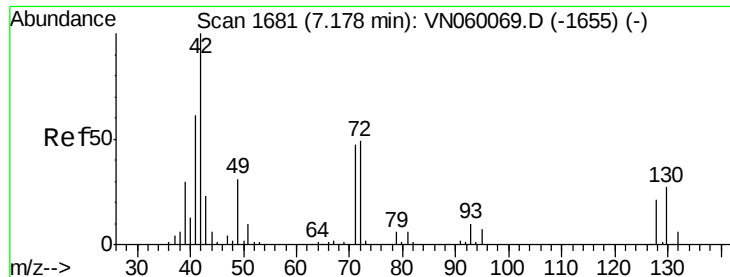


Abundance Ion 48.90 (48.60 to 49.60): VN060103.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060103.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060103.D (-1585) (-)

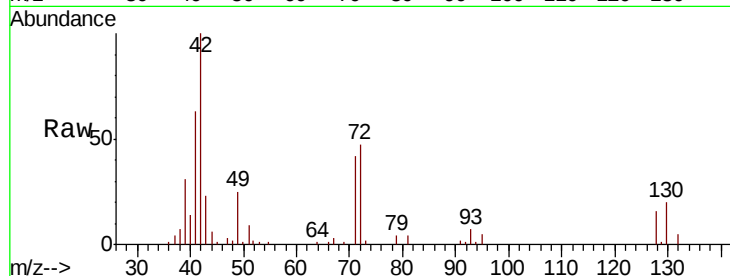




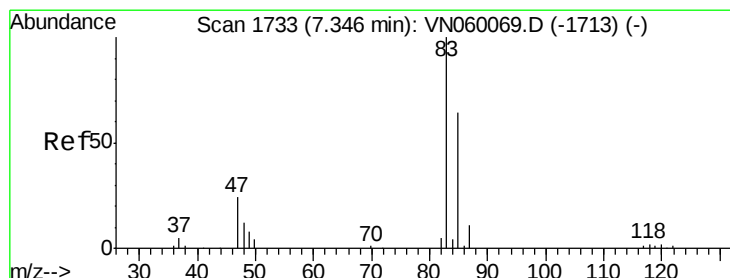
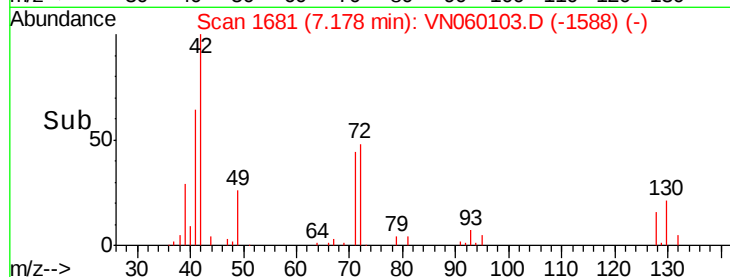
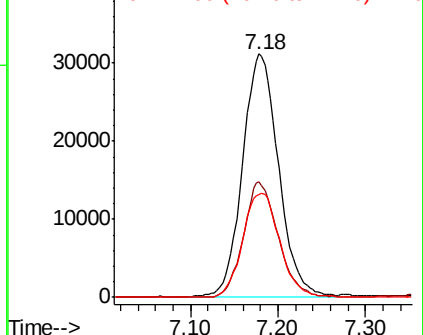
#29
Tetrahydrofuran
Concen: 117.154 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 89516
Ion Ratio Lower Upper
42 100
72 45.3 38.2 57.4
71 43.6 36.6 54.8

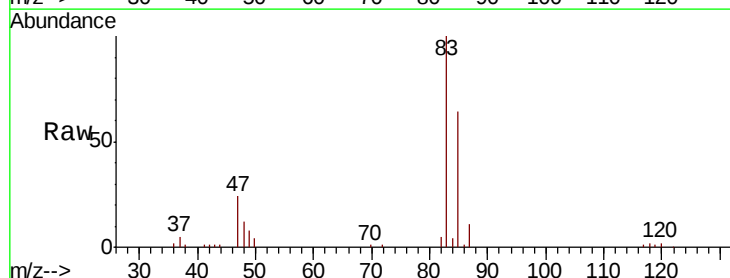


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

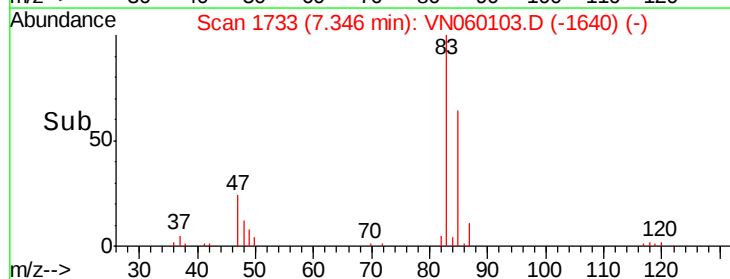
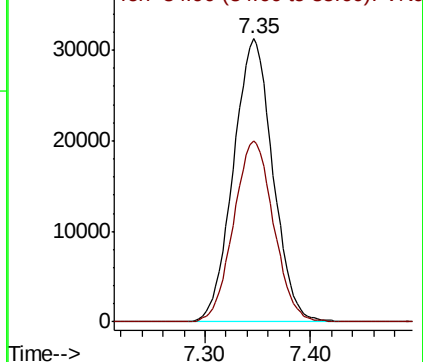


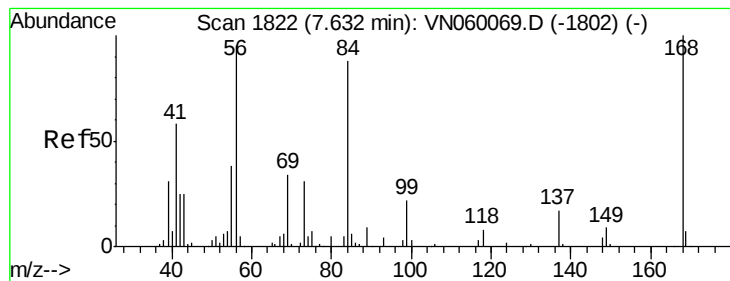
#30
Chloroform
Concen: 22.491 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 83 Resp: 81212
Ion Ratio Lower Upper
83 100
85 64.0 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 23.487 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

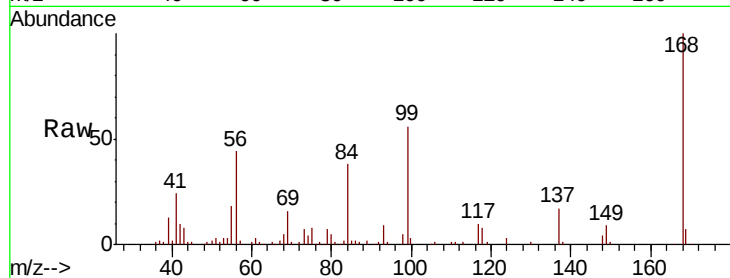
Tot Ion: 56 Resp: 75419

Ion Ratio Lower Upper

56 100

69 35.8 28.3 42.5

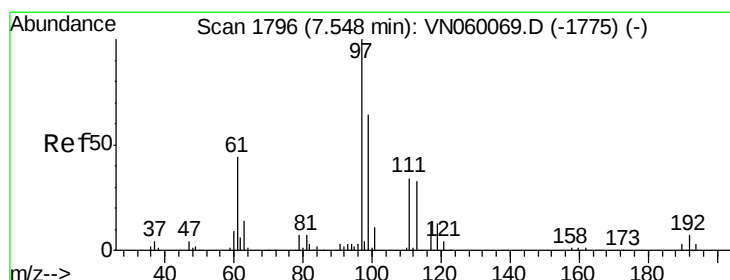
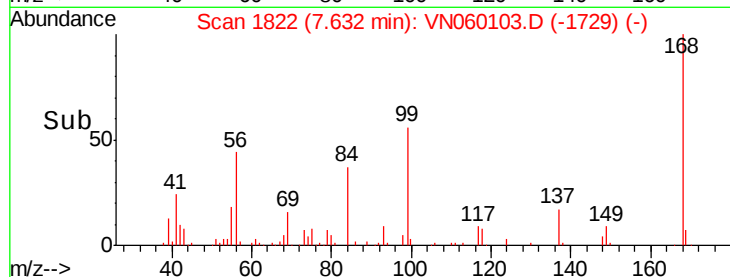
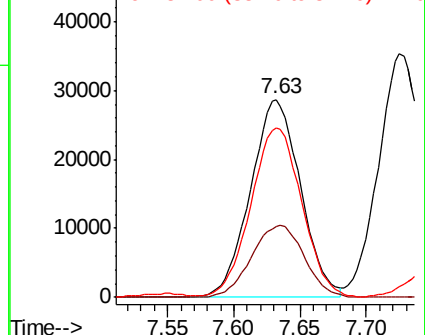
84 84.9 72.6 108.8



Abundance Ion 56.00 (55.70 to 56.70): VN060103.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060103.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060103.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 21.726 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

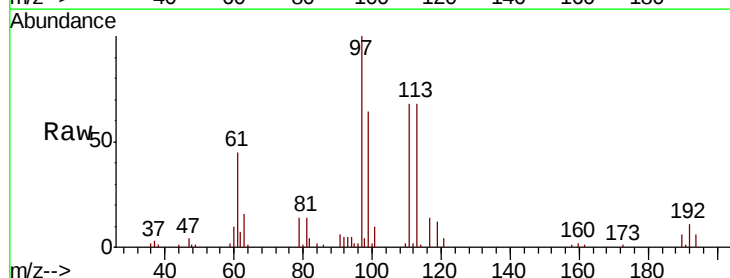
Tgt Ion: 97 Resp: 71692

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

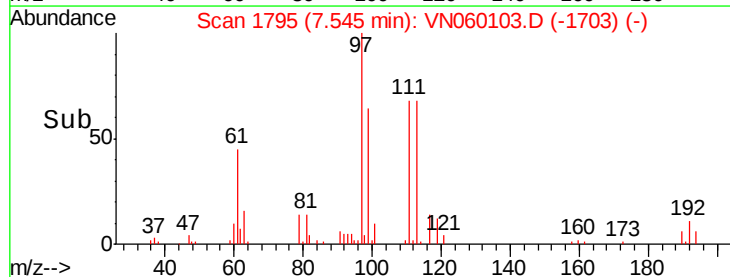
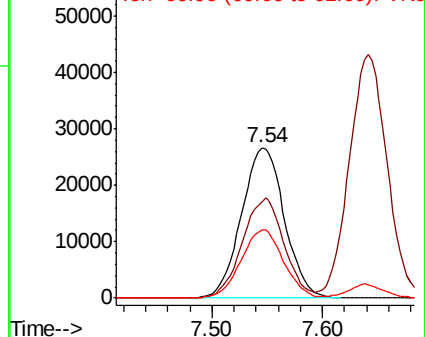
61 44.9 34.9 52.3

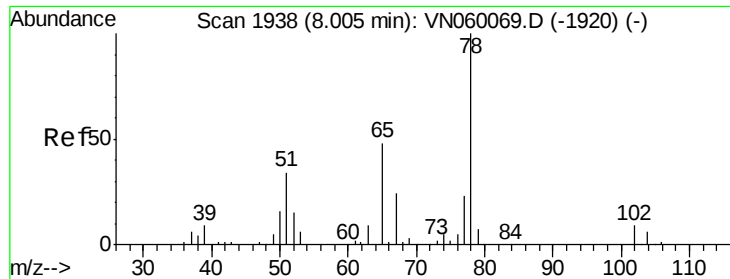


Abundance Ion 96.90 (96.60 to 97.60): VN060103.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060103.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060103.D (-1703) (-)

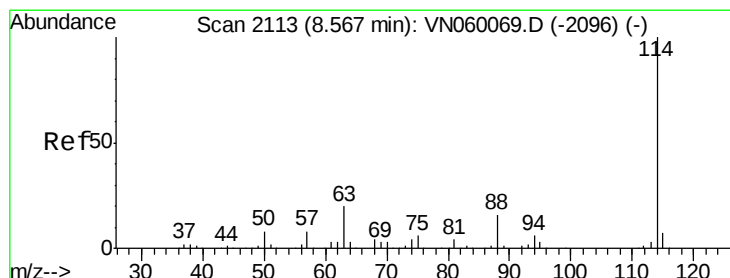
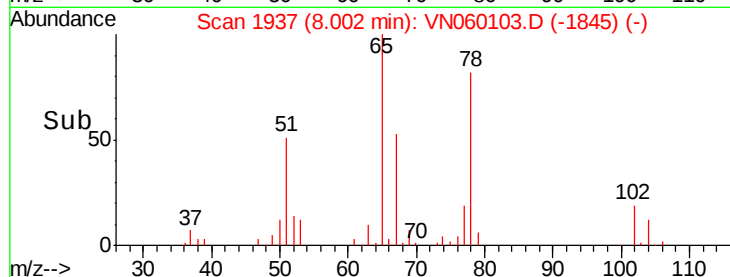
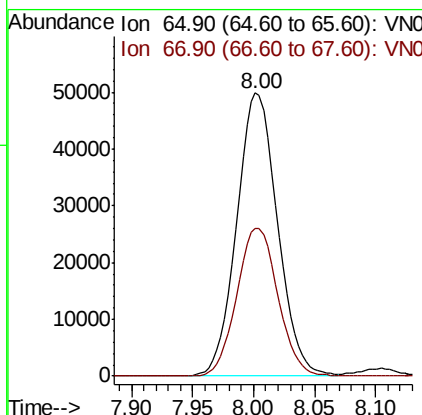
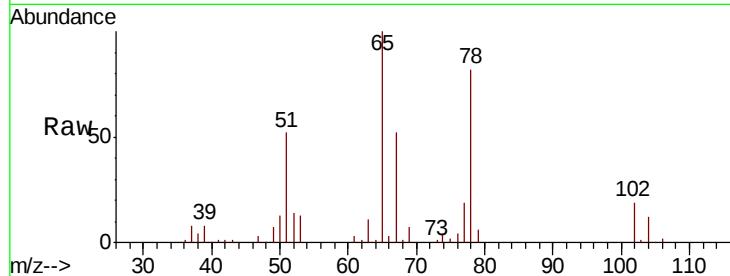




#33
 1,2-Dichloroethane-d4
 Concen: 50.826 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

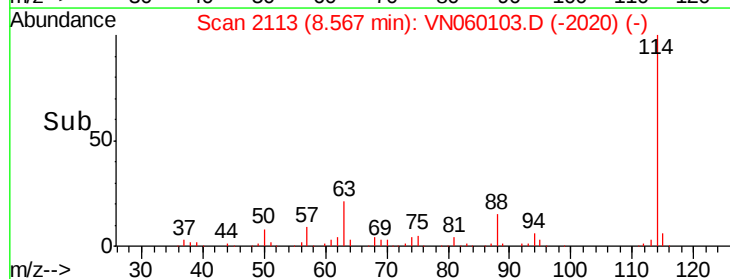
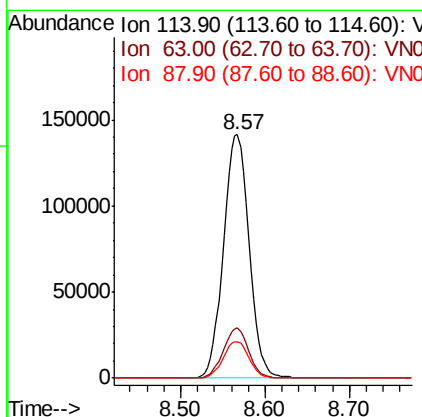
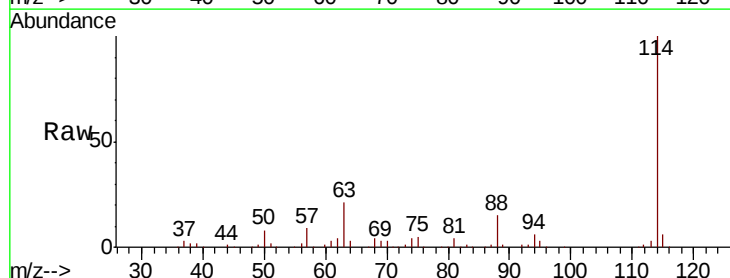
Instrument :
 MSVOA_N
 ClientSampleId :

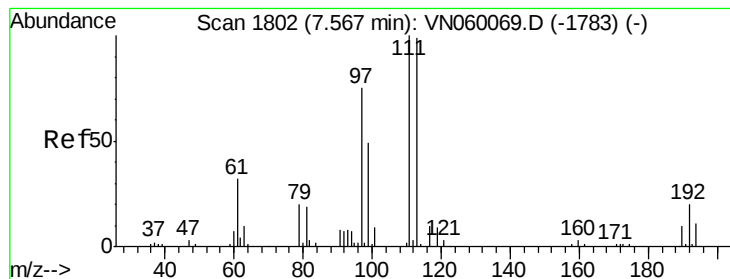
Tot Ion: 65 Resp: 115394
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 114 Resp: 298504
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.696 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

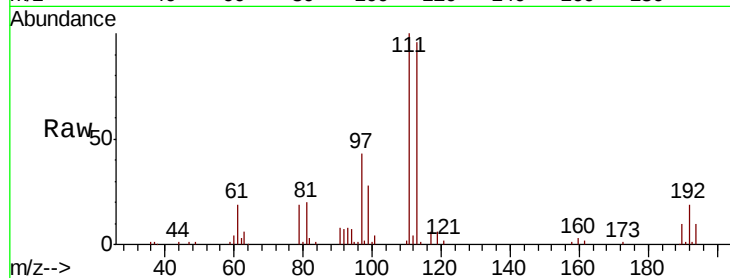
Tot Ion:113 Resp: 89352

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.2

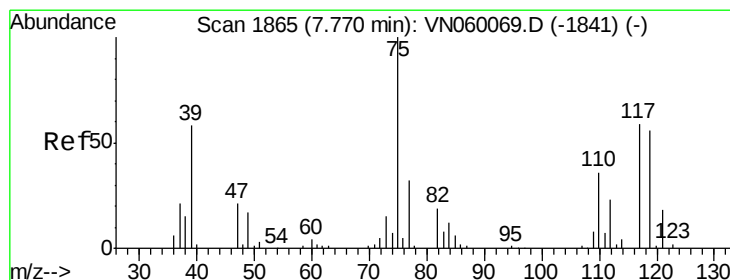
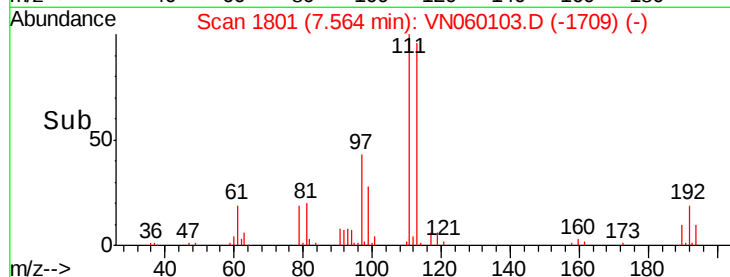
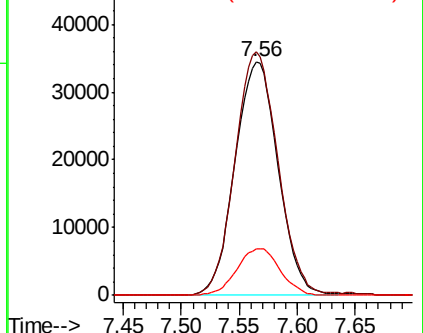
192 20.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.155 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

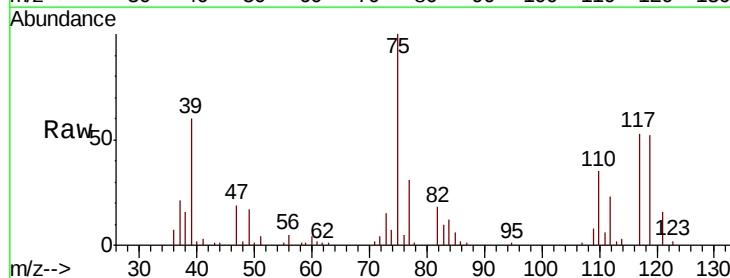
Tgt Ion: 75 Resp: 61256

Ion Ratio Lower Upper

75 100

110 35.3 18.1 54.3

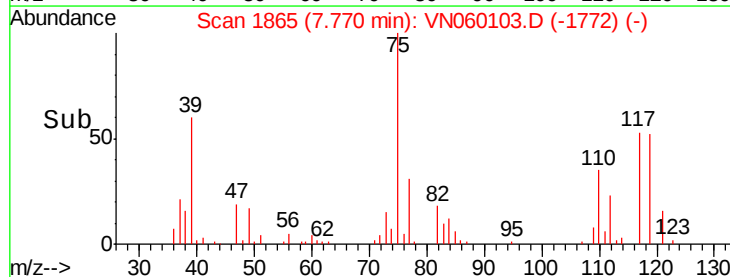
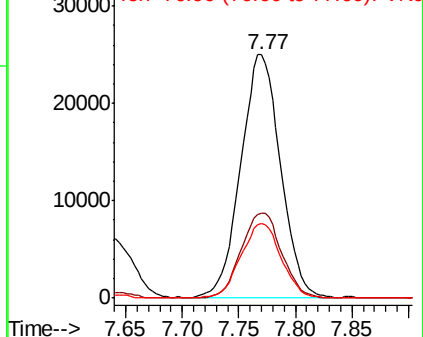
77 31.0 25.1 37.7

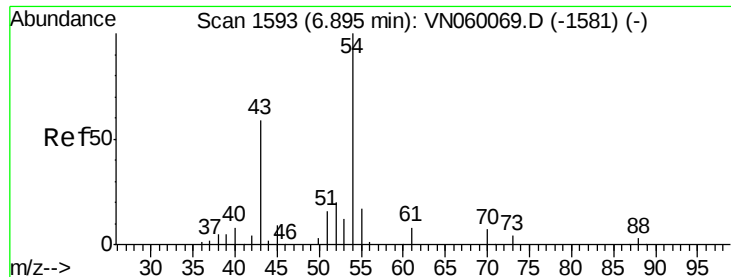


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

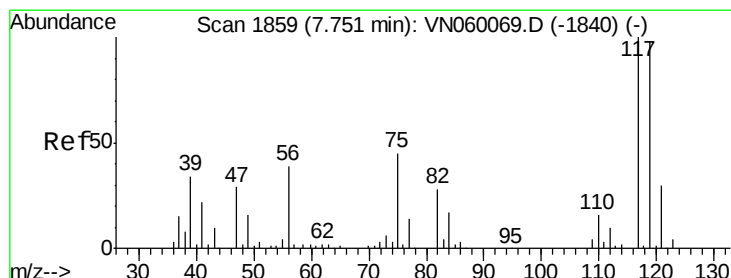
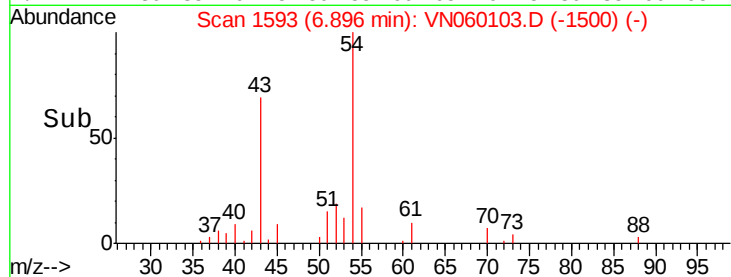
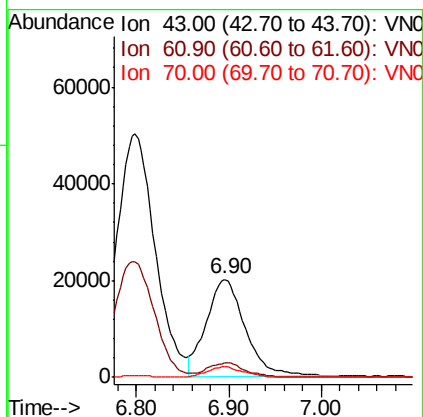
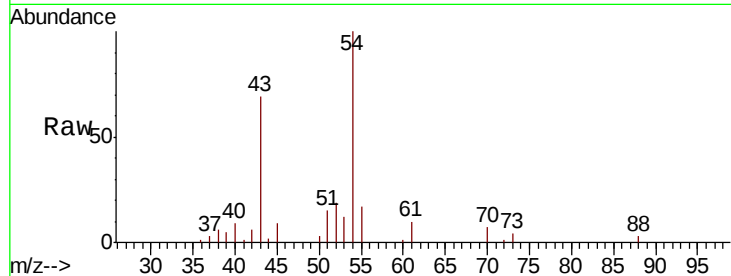




#37
Ethyl Acetate
Concen: 23.405 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

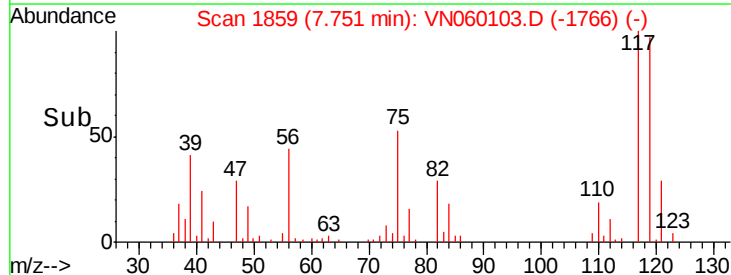
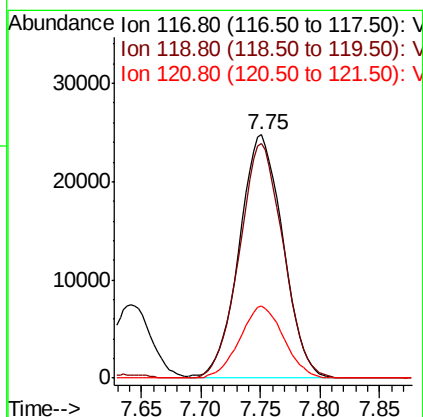
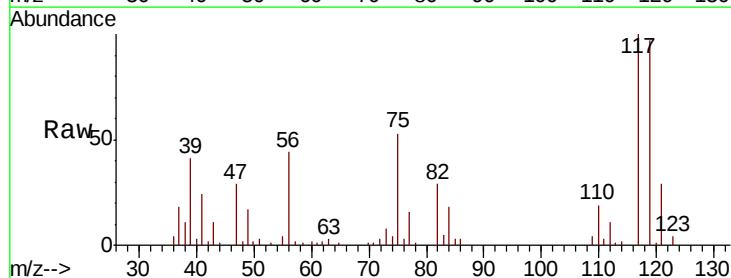
Instrument :
MSVOA_N
ClientSampled :

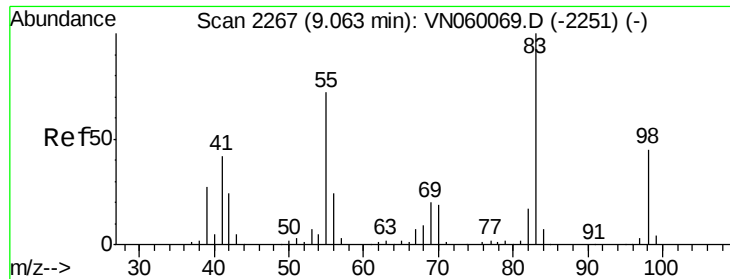
Tot Ion: 43 Resp: 58484
Ion Ratio Lower Upper
43 100
61 14.5 11.4 17.2
70 9.9 8.7 13.1



#38
Carbon Tetrachloride
Concen: 20.999 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 117 Resp: 63055
Ion Ratio Lower Upper
117 100
119 96.5 78.2 117.4
121 29.4 24.2 36.2

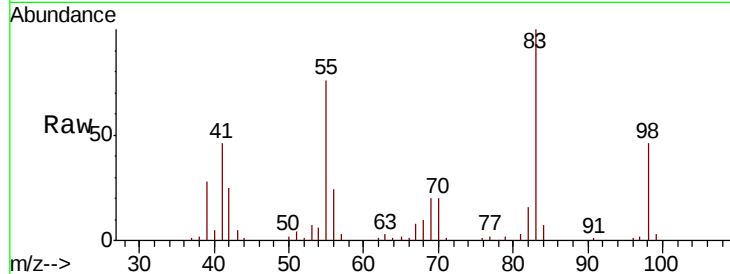




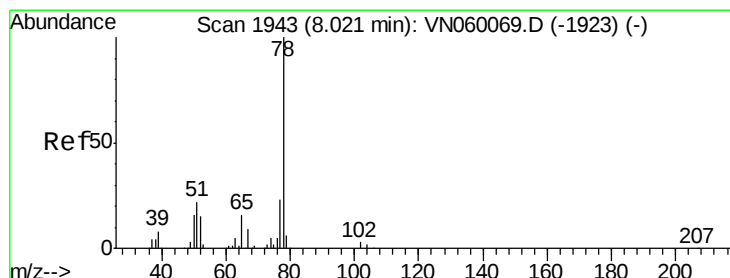
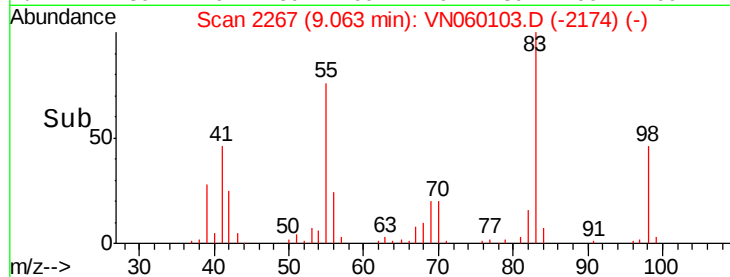
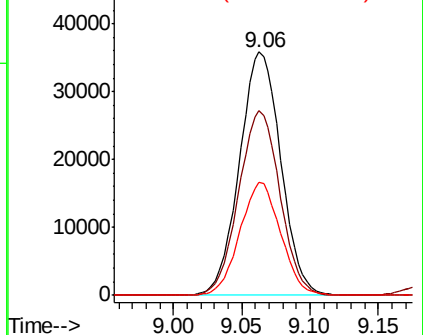
#39
Methvlcvclohexane
Concen: 21.939 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 75298
Ion Ratio Lower Upper
83 100
55 76.0 57.8 86.8
98 46.4 36.4 54.6

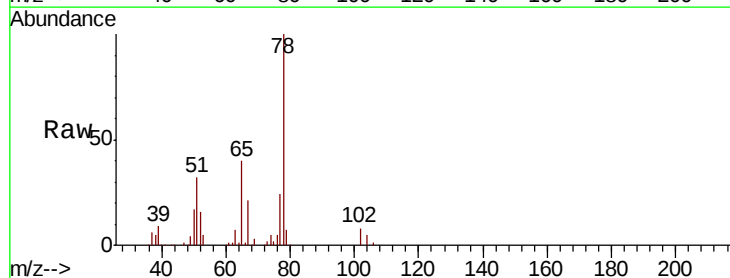


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

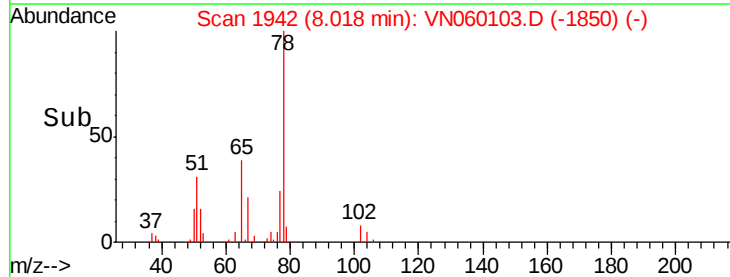
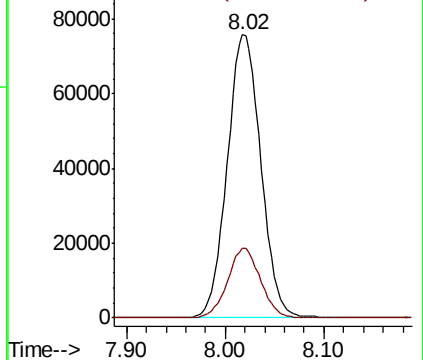


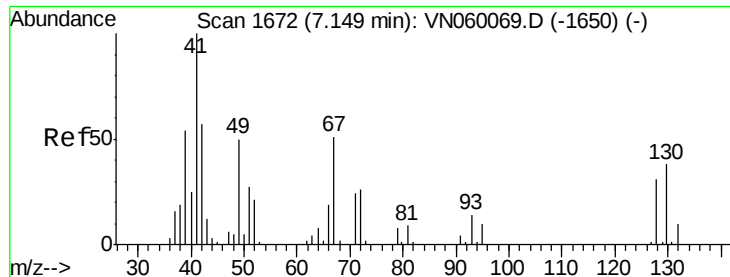
#40
Benzene
Concen: 21.914 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 78 Resp: 179732
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 79.427 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.03 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

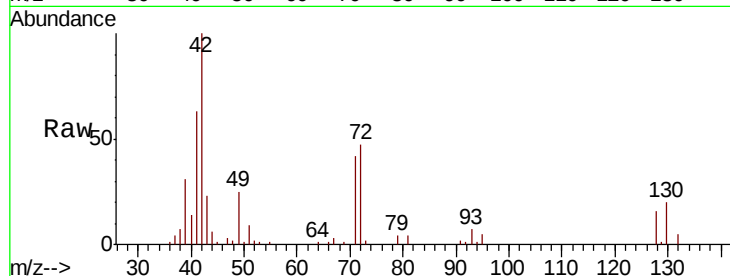
MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 83234

Ion Ratio Lower Upper

41	100		
39	53.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

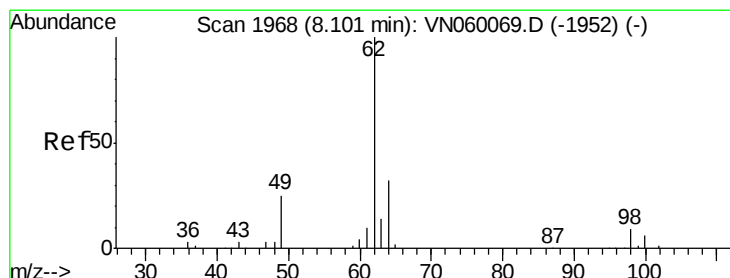
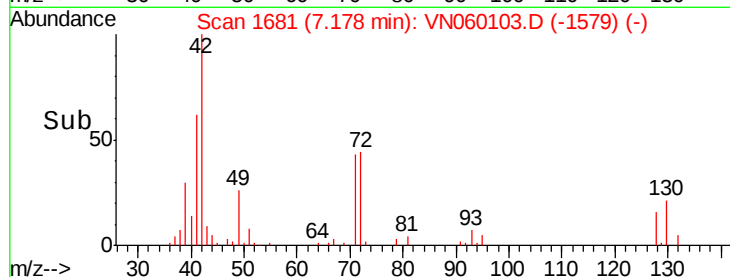
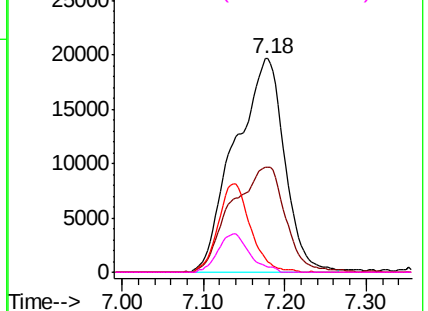


Abundance Ion 41.00 (40.70 to 41.70): VN060103.D (-1681) (-)

Ion 39.00 (38.70 to 39.70): VN060103.D (-1681) (-)

Ion 67.00 (66.70 to 67.70): VN060103.D (-1681) (-)

Ion 52.00 (51.70 to 52.70): VN060103.D (-1681) (-)



#42

1,2-Dichloroethane

Concen: 22.464 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

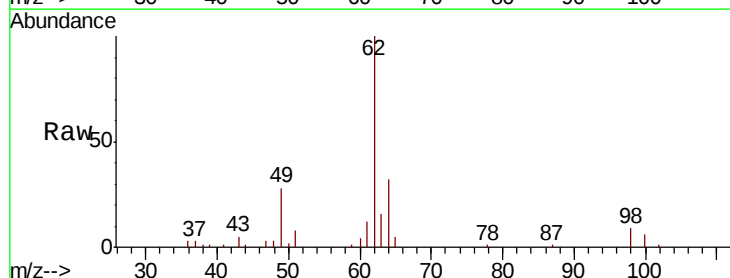
Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion: 62 Resp: 64574

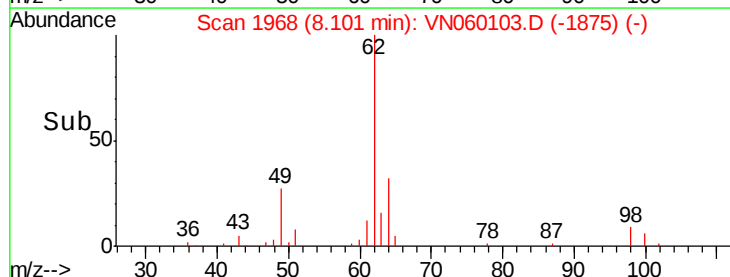
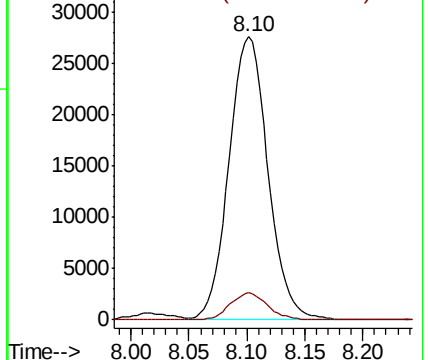
Ion Ratio Lower Upper

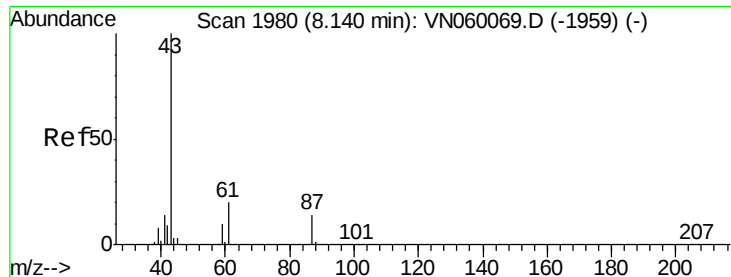
62	100		
98	9.1	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VN060103.D (-1968) (-)

Ion 97.90 (97.60 to 98.60): VN060103.D (-1968) (-)

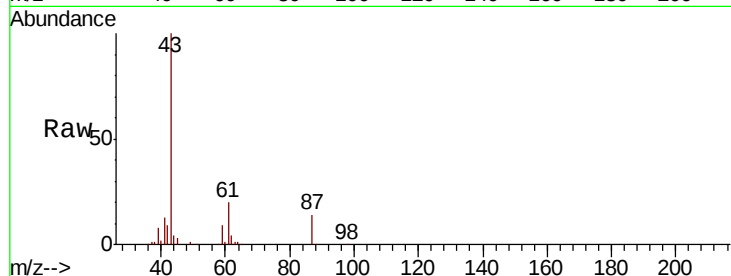




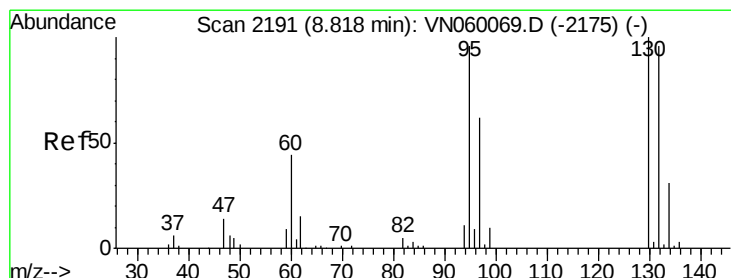
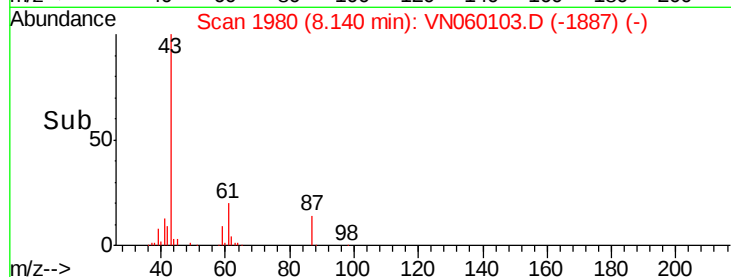
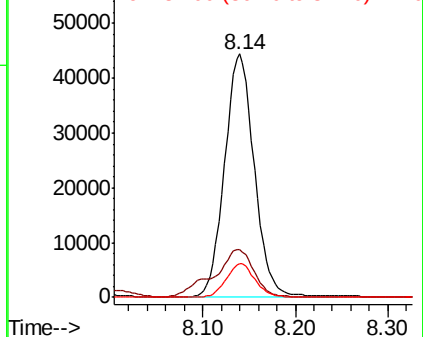
#43
Isopropyl Acetate
Concen: 23.209 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 99138
Ion Ratio Lower Upper
43 100
61 26.6 21.8 32.6
87 13.4 11.4 17.2

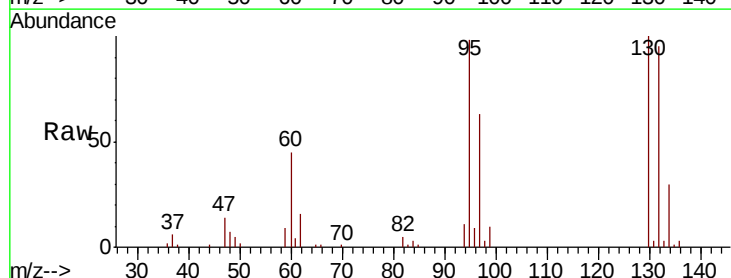


Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)
Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)
Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)

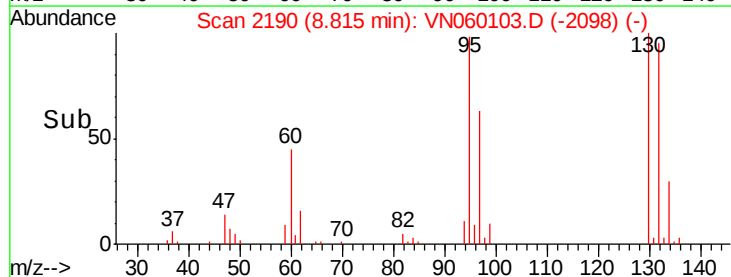
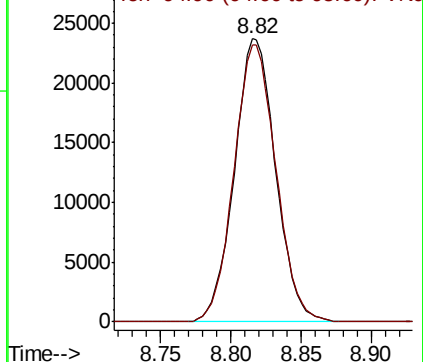


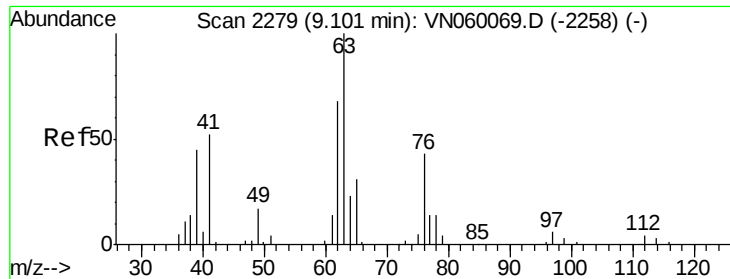
#44
Trichloroethene
Concen: 21.379 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion:130 Resp: 48551
Ion Ratio Lower Upper
130 100
95 97.6 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)
Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)

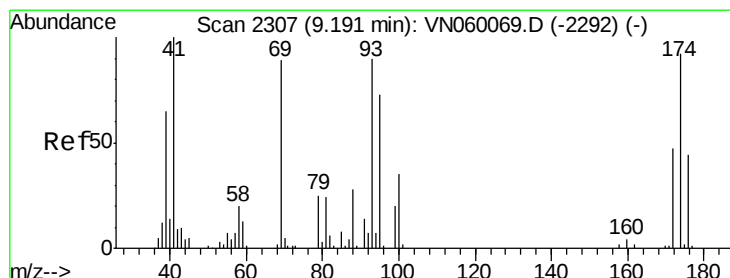
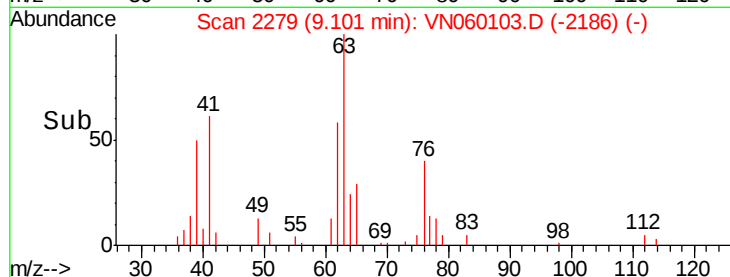
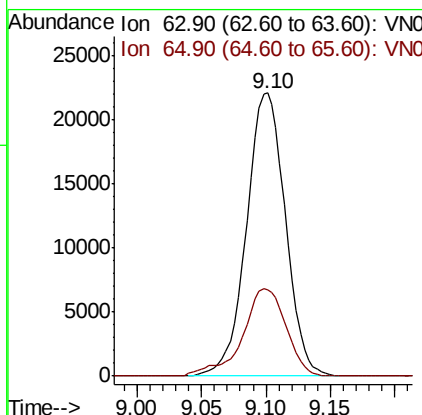
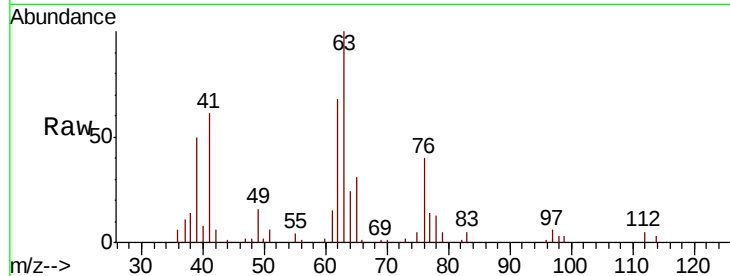




#45
 1,2-Dichloropropane
 Concen: 22.894 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

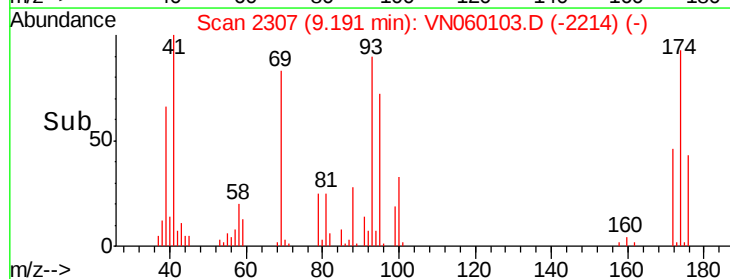
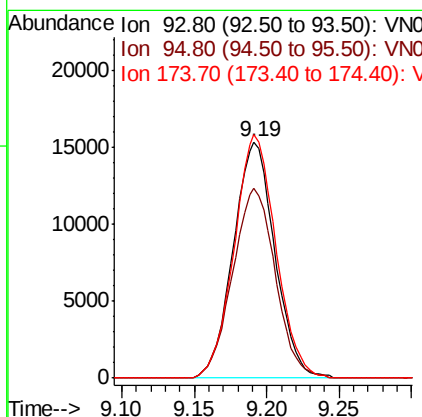
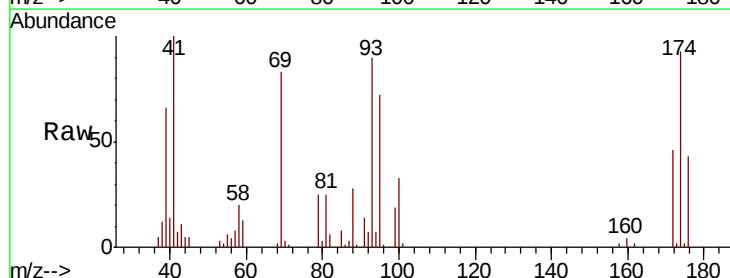
Instrument :
 MSVOA_N
 ClientSampled :

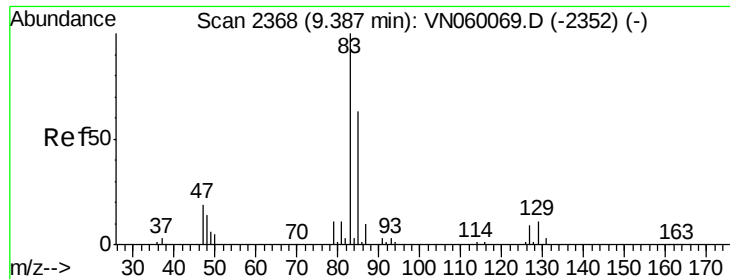
Tot Ion: 63 Resp: 46487
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 21.323 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 93 Resp: 30596
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.0 97.6
 174 103.3 82.3 123.5

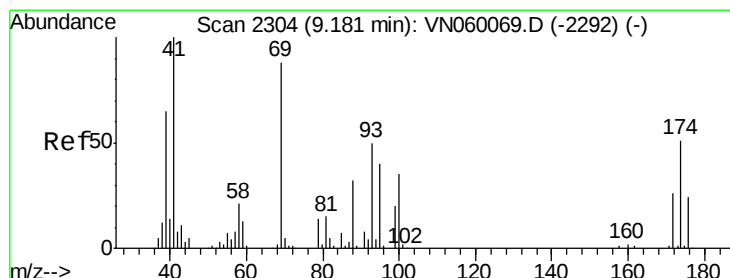
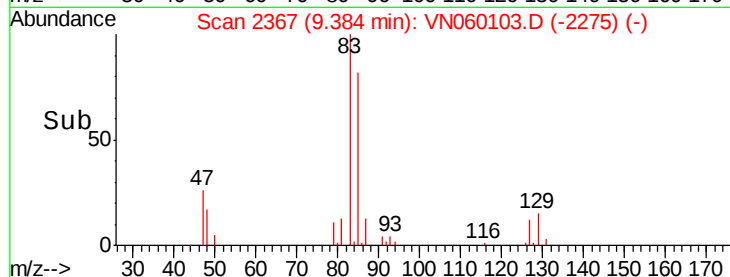
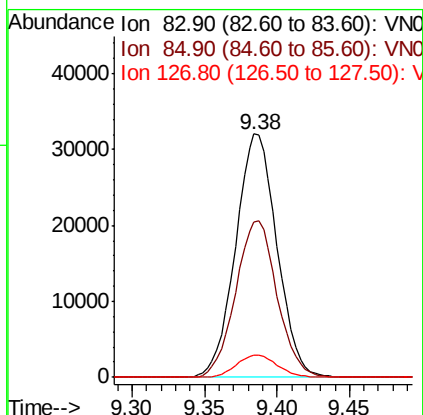
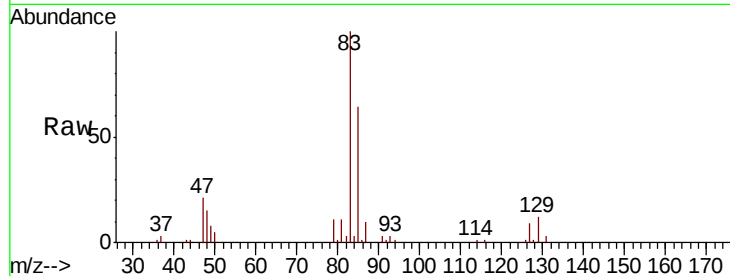




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

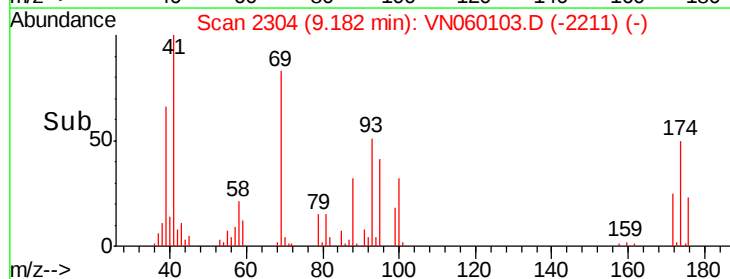
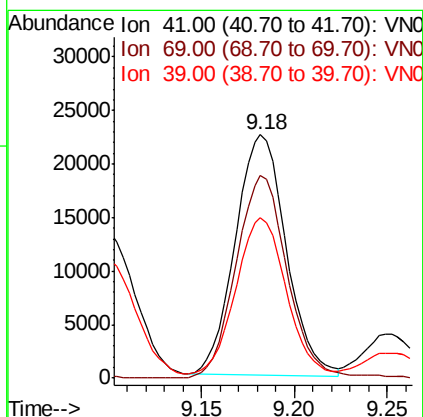
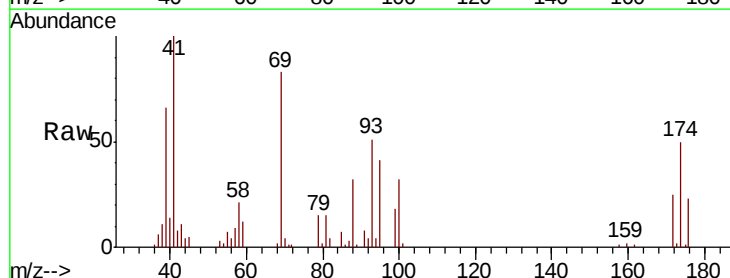
Instrument :
MSVOA_N
ClientSampleId :

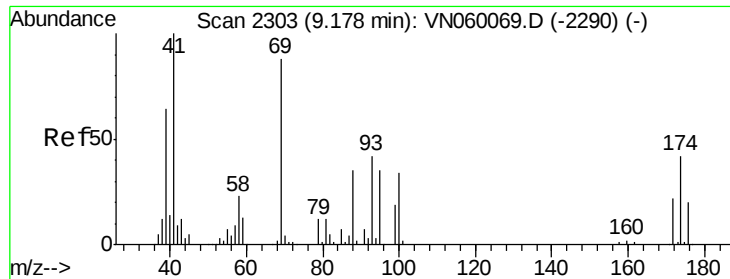
Tot Ion: 83 Resp: 63398
Ion Ratio Lower Upper
83 100
85 63.9 50.6 75.8
127 9.1 7.0 10.6



#48
Methyl methacrylate
Concen: 22.473 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 41 Resp: 43070
Ion Ratio Lower Upper
41 100
69 85.0 72.0 108.0
39 64.0 54.1 81.1

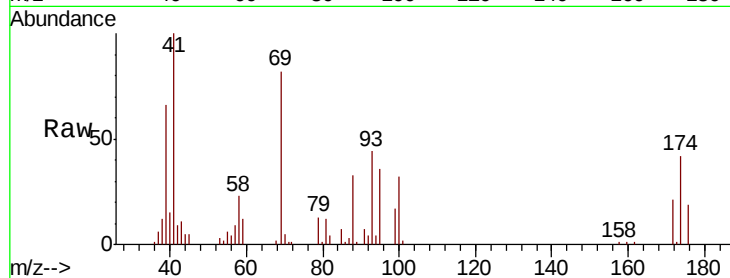




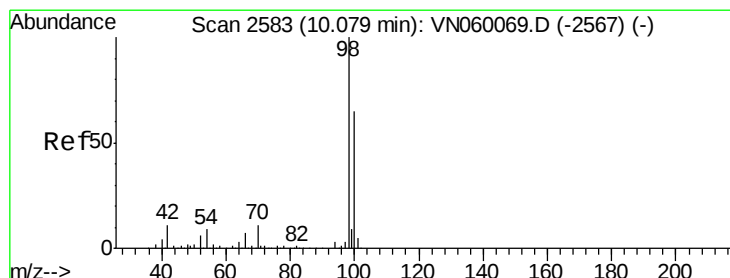
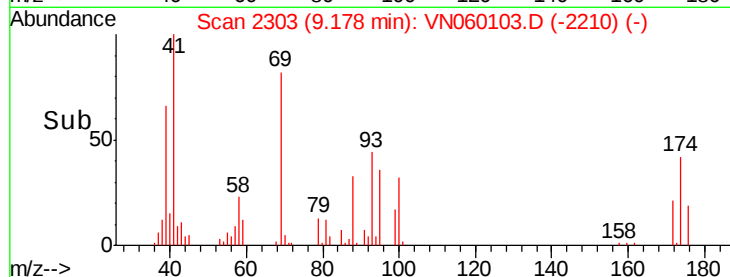
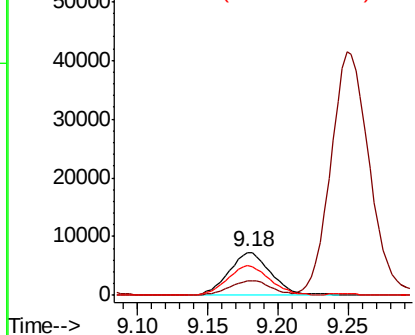
#49
 1,4-Dioxane
 Concen: 466.546 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 15277
 Ion Ratio Lower Upper
 88 100
 43 34.3 26.2 39.2
 58 68.4 53.2 79.8

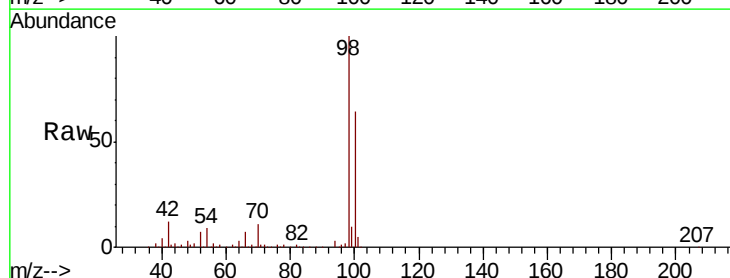


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

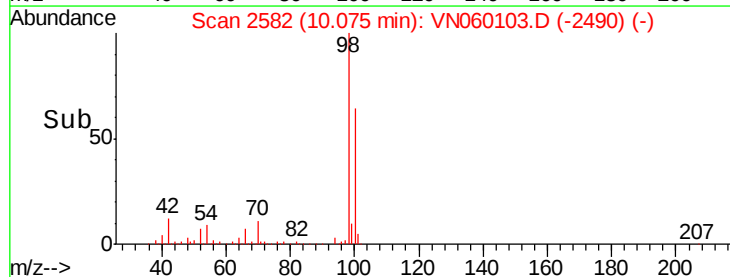
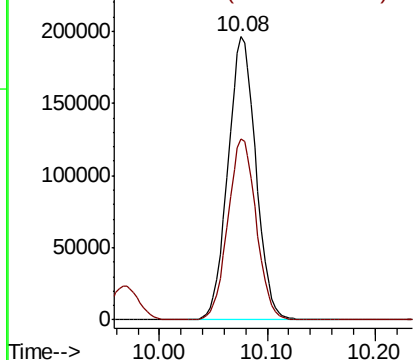


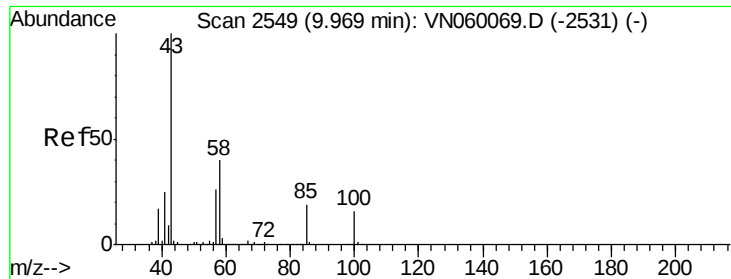
#50
 Toluene-d8
 Concen: 49.021 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 98 Resp: 354211
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 116.869 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

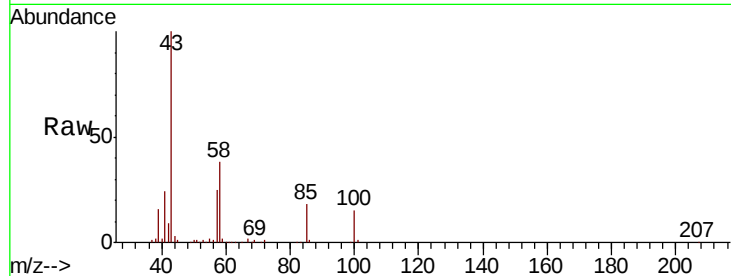
ClientSampleId :

Tot Ion: 43 Resp: 288948

Ion Ratio Lower Upper

43 100

58 38.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

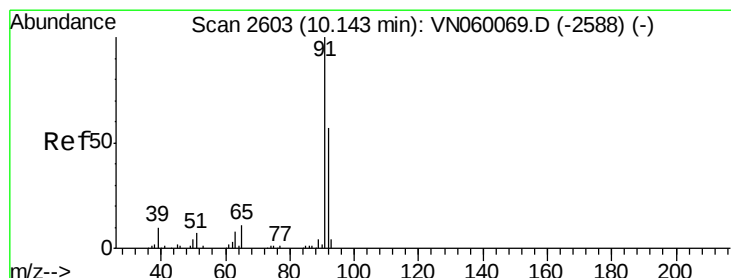
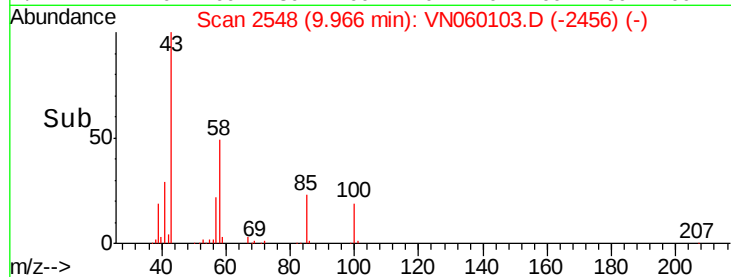
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.879 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060103.D

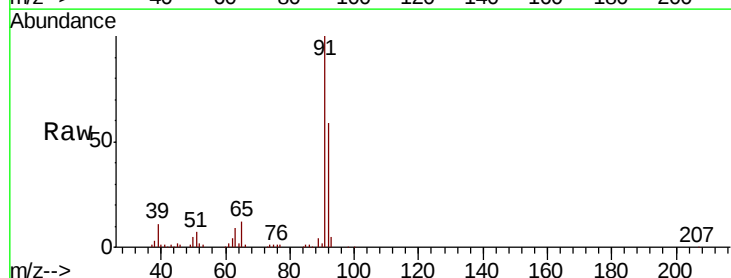
Acq: 14 Feb 2020 12:05

Tgt Ion: 92 Resp: 115073

Ion Ratio Lower Upper

92 100

91 172.6 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

120000

100000

80000

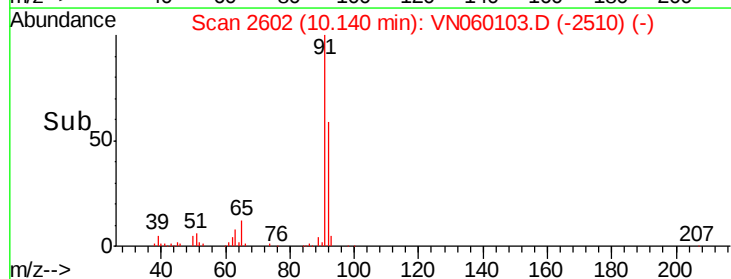
60000

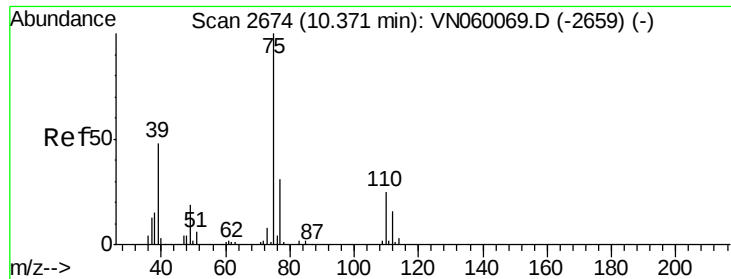
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.206 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

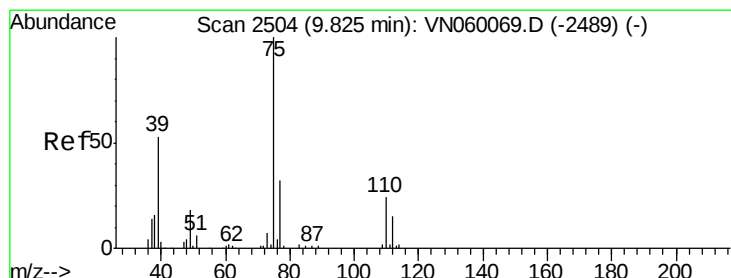
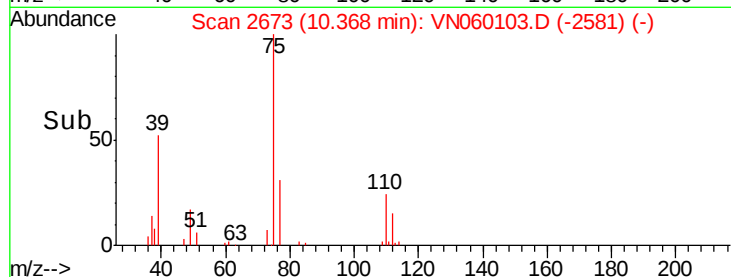
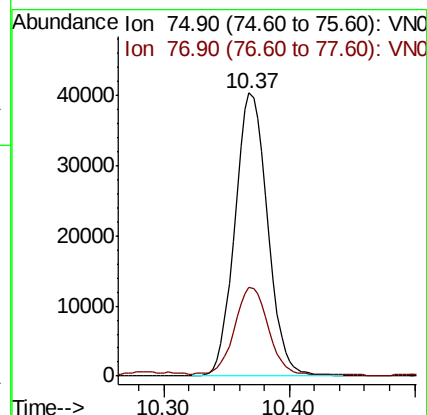
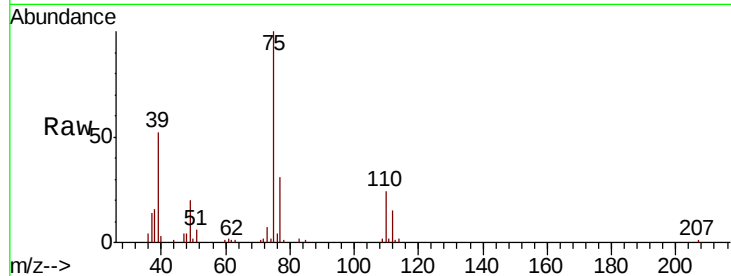
ClientSampleId :

Tot Ion: 75 Resp: 73123

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 22.029 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

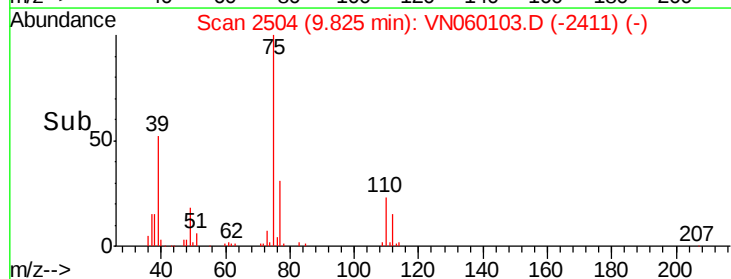
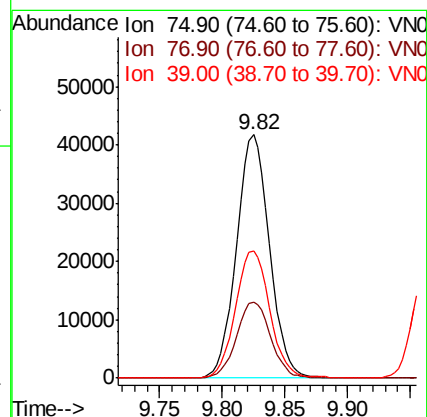
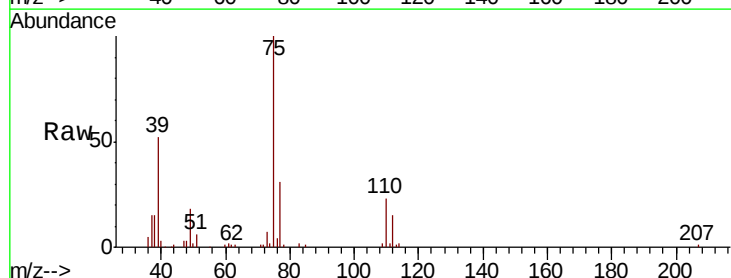
Tgt Ion: 75 Resp: 76384

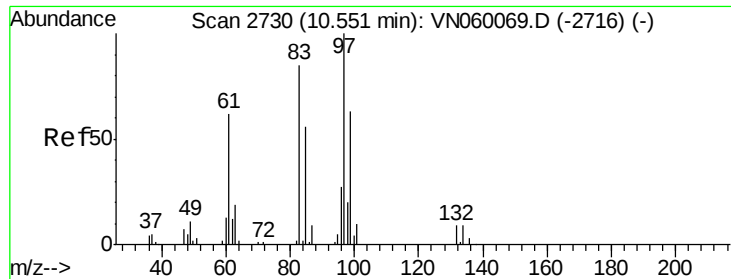
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 52.4 42.2 63.4

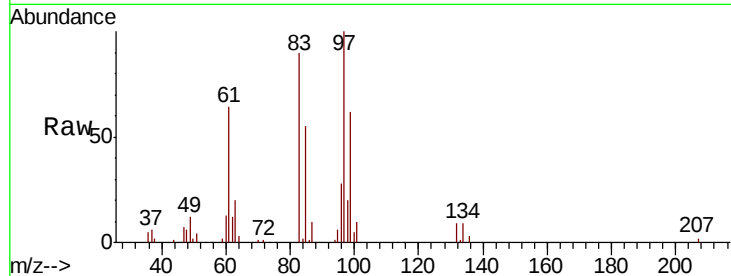




#55
 1,1,2-Trichloroethane
 Concen: 21.654 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	44431
Ion	Ratio	Lower	Upper
97	100		
83	89.9	67.9	101.9
85	55.1	44.6	67.0
99	61.9	50.1	75.1



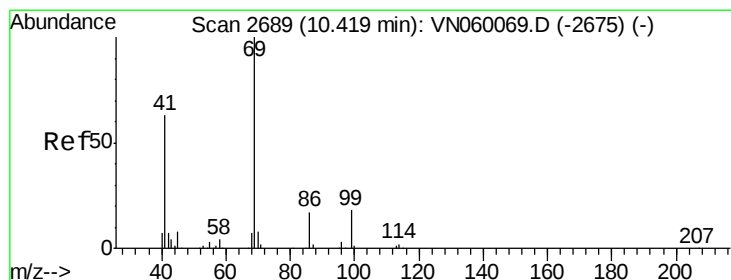
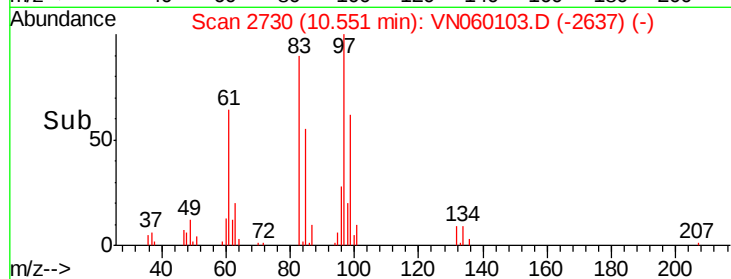
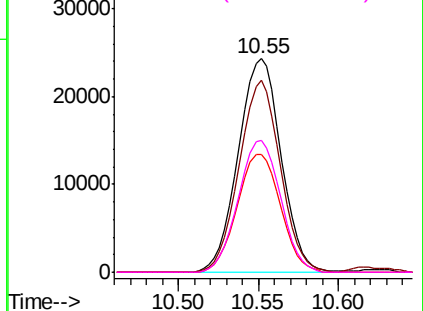
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

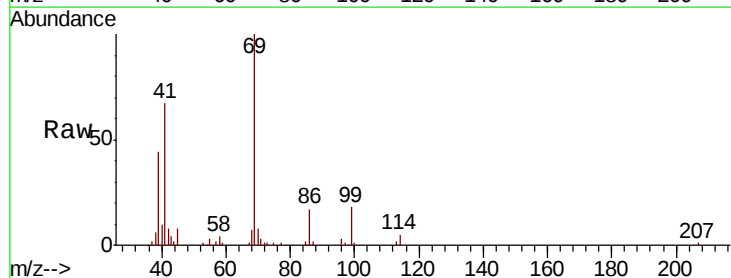
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 22.006 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	69	Resp	63873
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.1	76.7
39	42.9	33.8	50.8

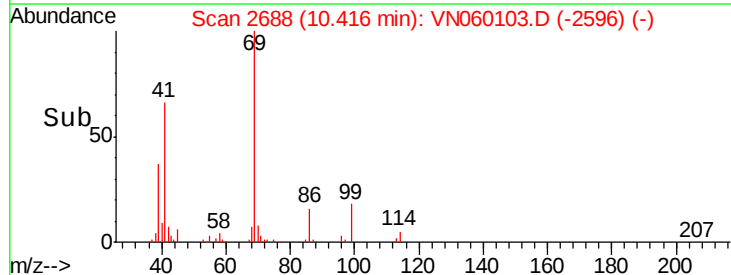
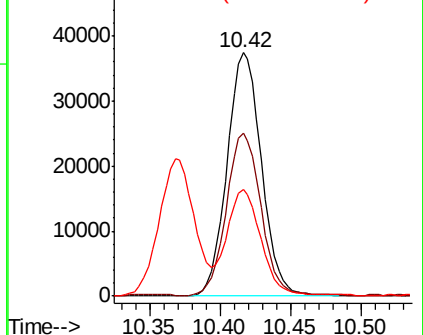


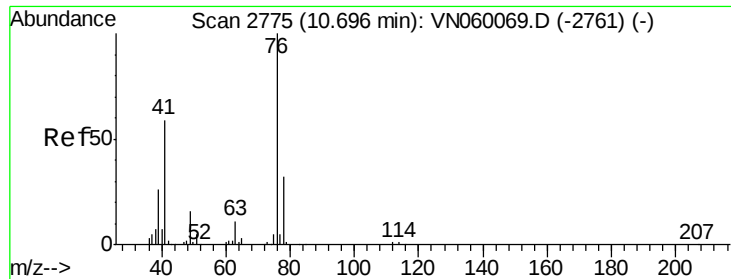
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.208 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

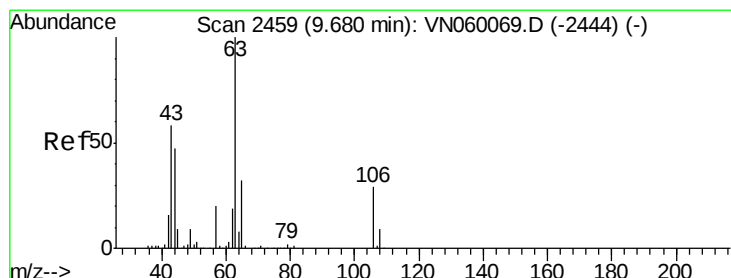
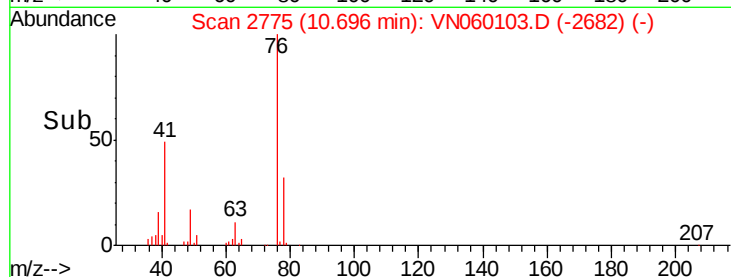
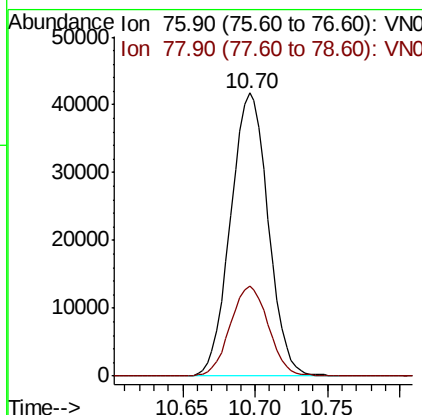
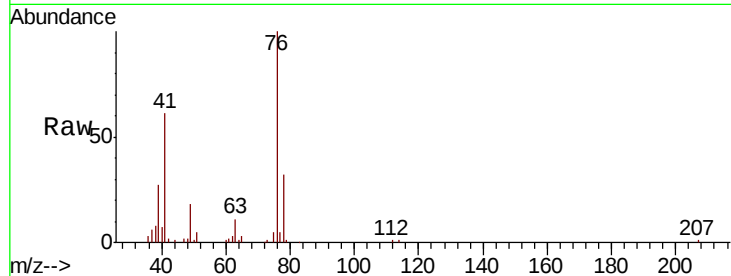
ClientSampled :

Tot Ion: 76 Resp: 75188

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 92.071 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060103.D

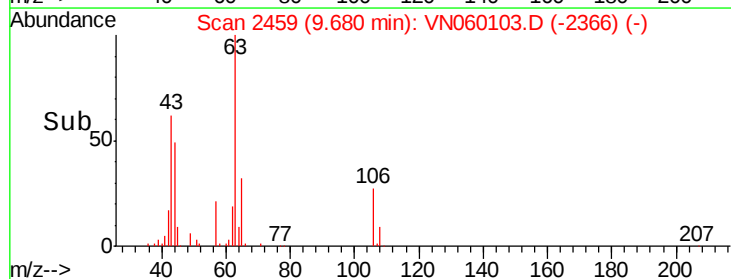
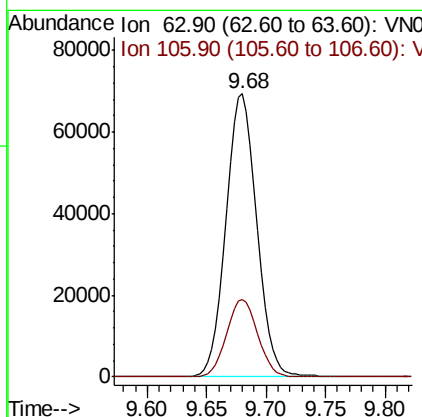
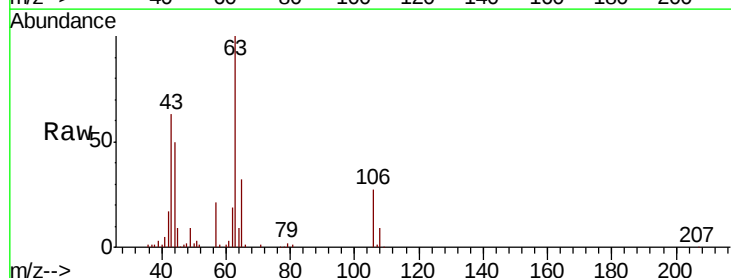
Acq: 14 Feb 2020 12:05

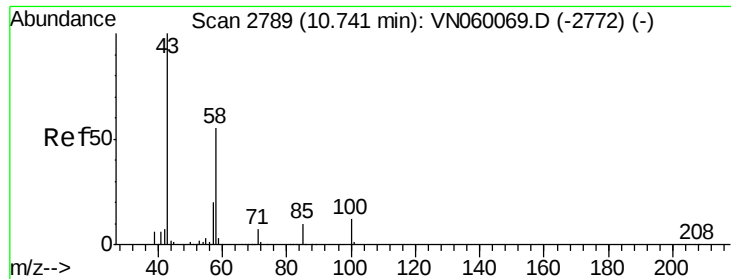
Tgt Ion: 63 Resp: 124501

Ion Ratio Lower Upper

63 100

106 27.6 22.9 34.3

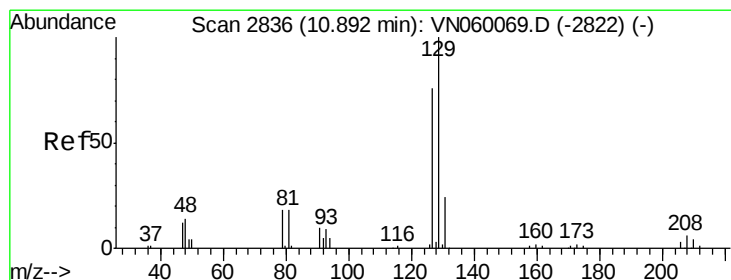
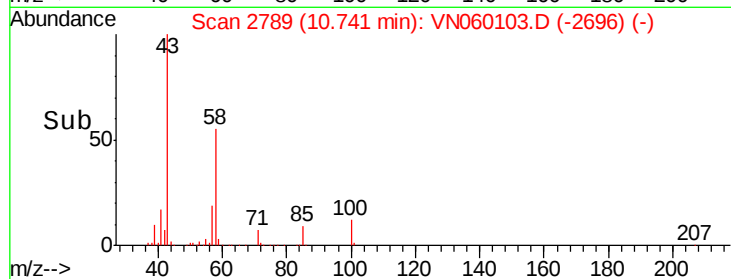
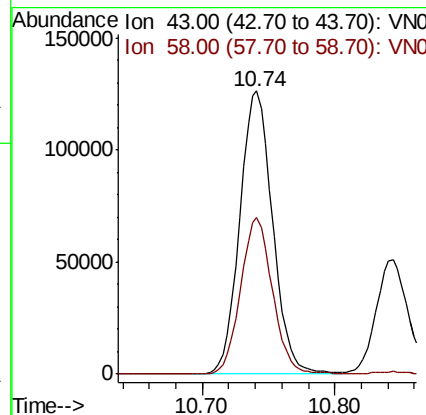
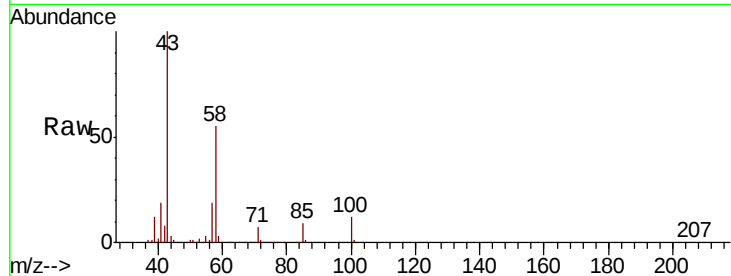




#59
2-Hexanone
Concen: 114.123 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

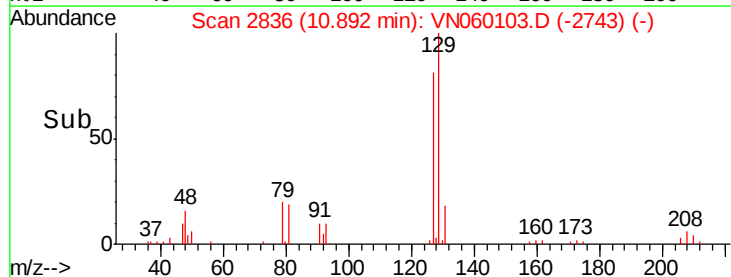
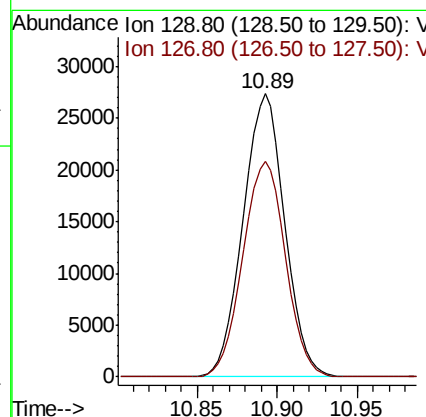
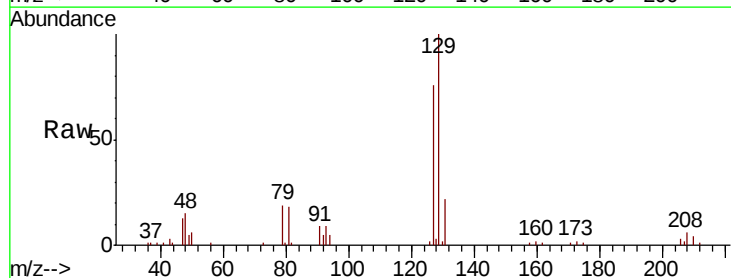
Instrument :
MSVOA_N
ClientSampleId :

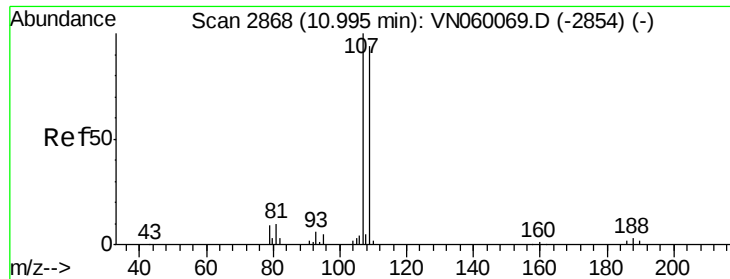
Tot Ion: 43 Resp: 217962
Ion Ratio Lower Upper
43 100
58 53.7 27.5 82.4



#60
Dibromochloromethane
Concen: 20.650 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 129 Resp: 48621
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.1

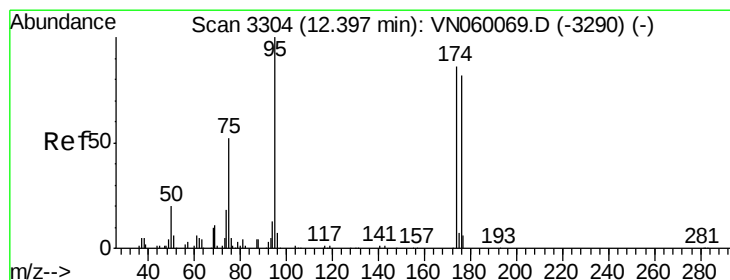
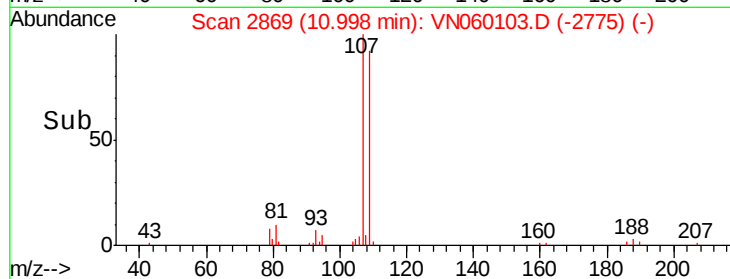
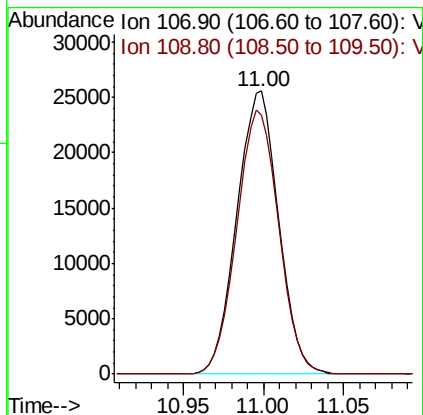
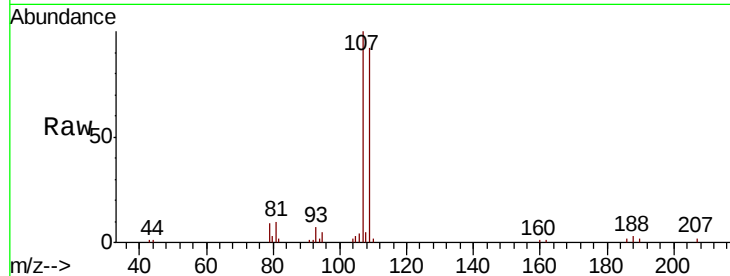




#61
 1,2-Dibromoethane
 Concen: 21.151 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

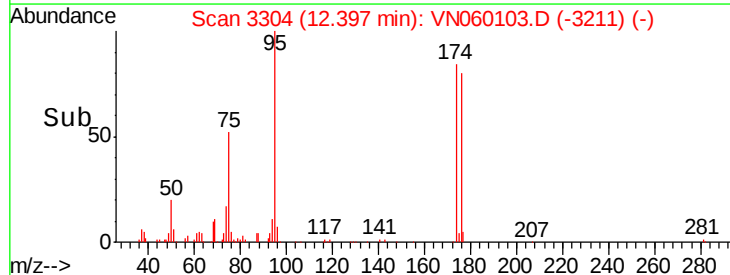
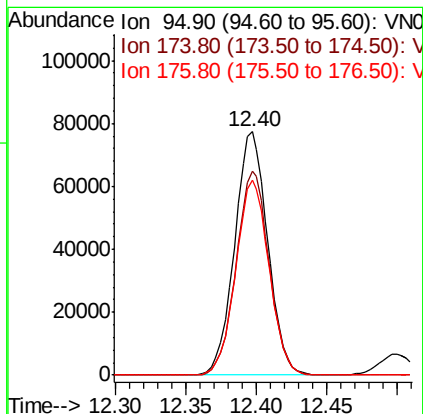
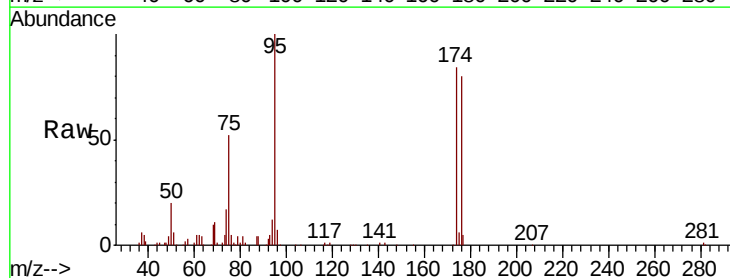
Instrument :
 MSVOA_N
 ClientSampleId :

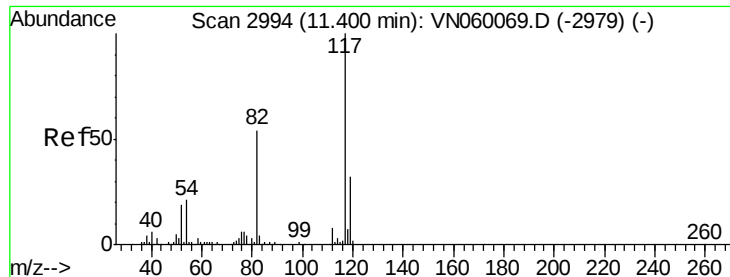
Tot Ion: 107 Resp: 45493
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.922 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion: 95 Resp: 127240
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 169.8
 176 80.5 0.0 164.8

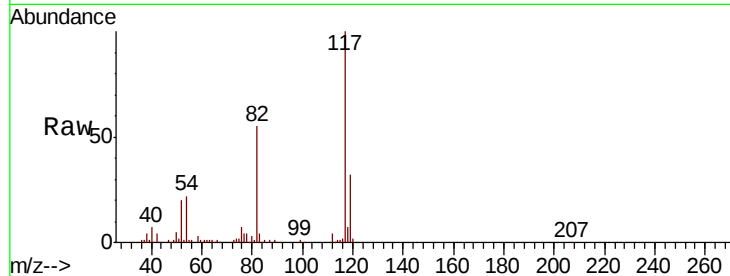




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.4	65.0
119	32.1	25.8	38.6

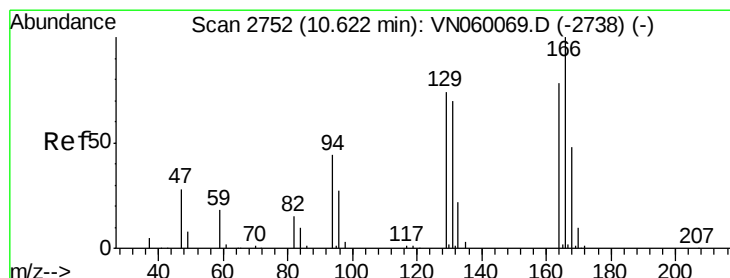
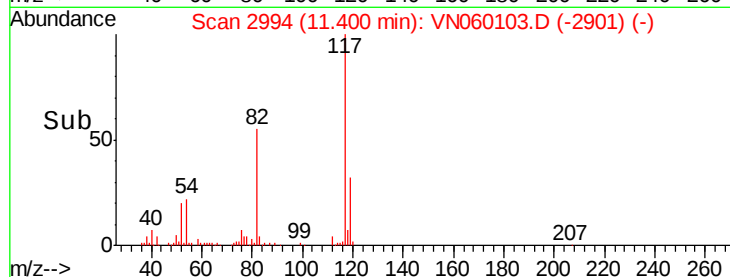
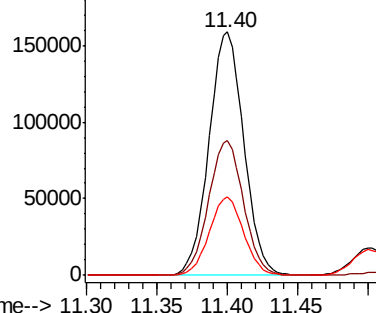


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.153 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.9	152.9
129	92.1	75.4	113.0
131	85.8	71.4	107.2

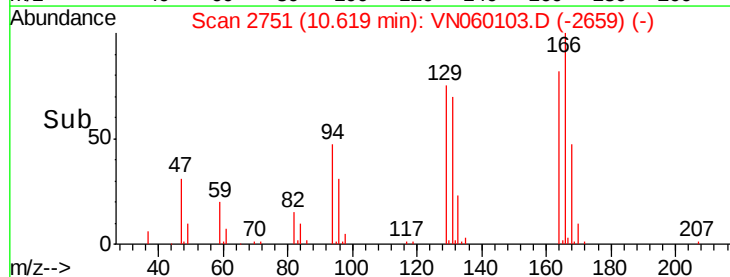
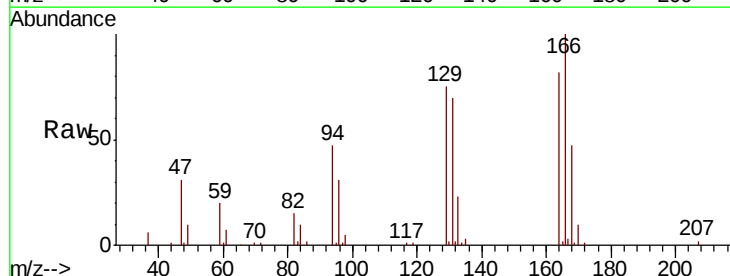
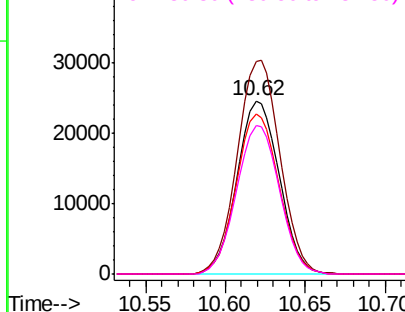
Abundance

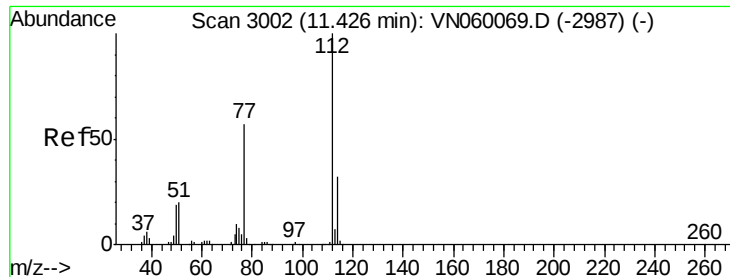
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

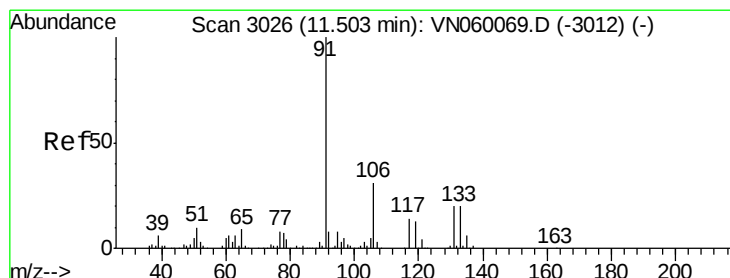
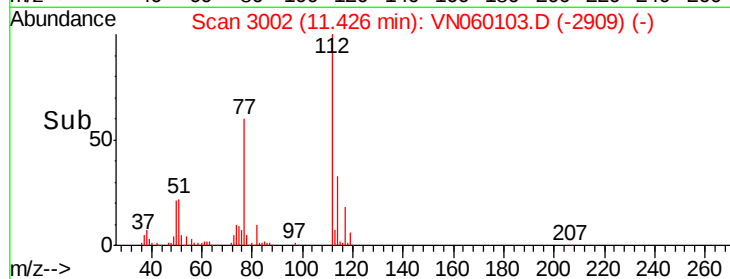
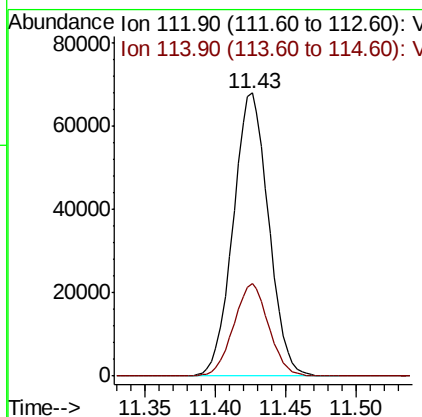
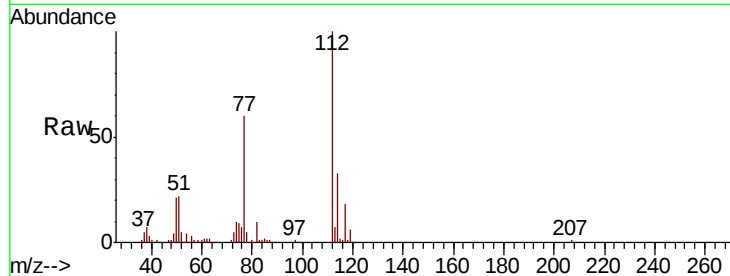




#65
Chlorobenzene
Concen: 21.292 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

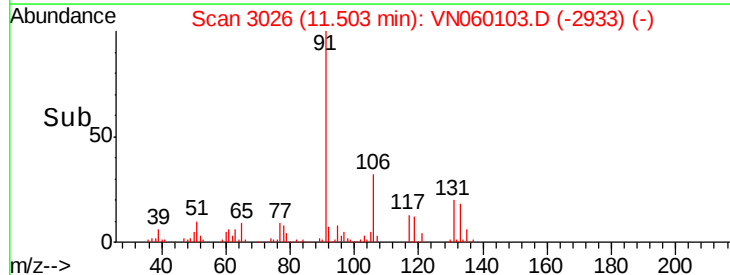
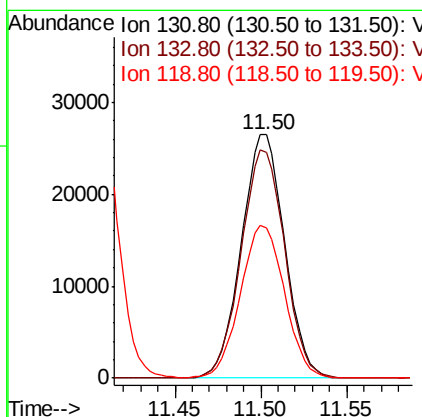
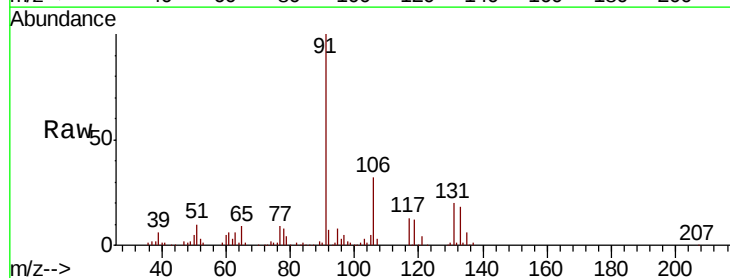
Instrument :
MSVOA_N
ClientSampleId :

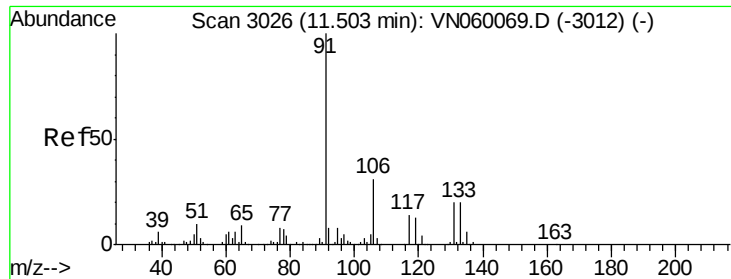
Tot Ion:112 Resp: 119396
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.776 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion:131 Resp: 46195
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.7
119 63.9 32.6 97.7

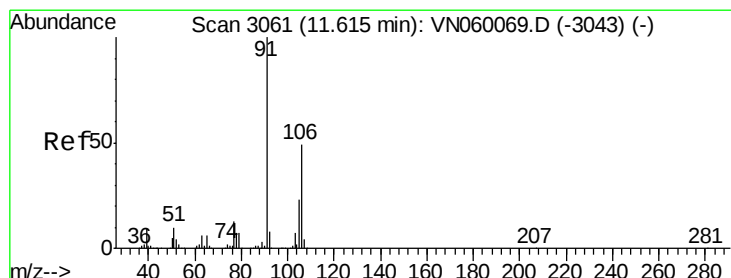
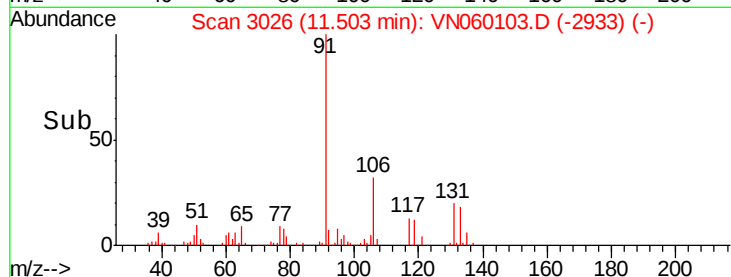
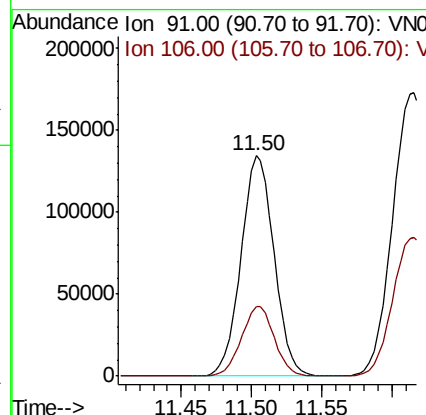
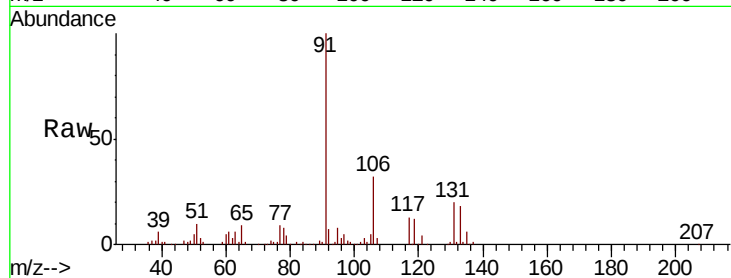




#67
Ethyl Benzene
Concen: 21.915 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

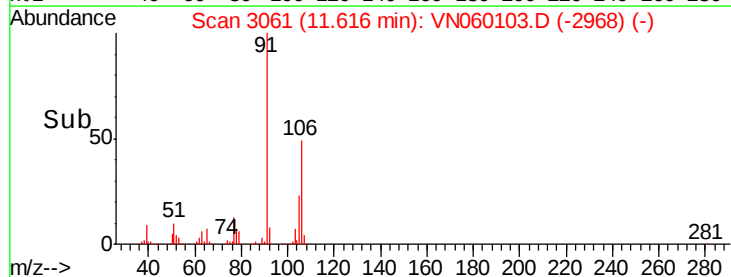
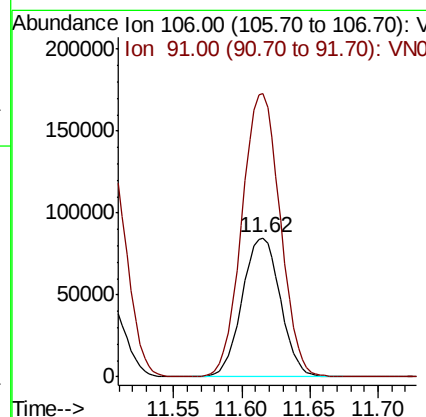
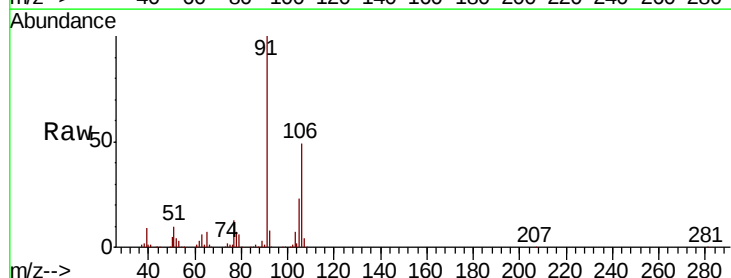
Instrument :
MSVOA_N
ClientSampled :

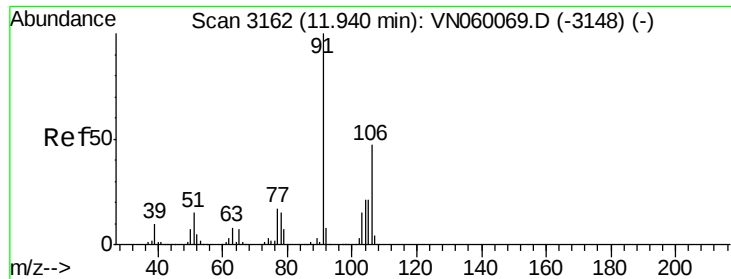
Tot Ion: 91 Resp: 221639
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 43.501 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 106 Resp: 165122
Ion Ratio Lower Upper
106 100
91 204.4 162.7 244.1

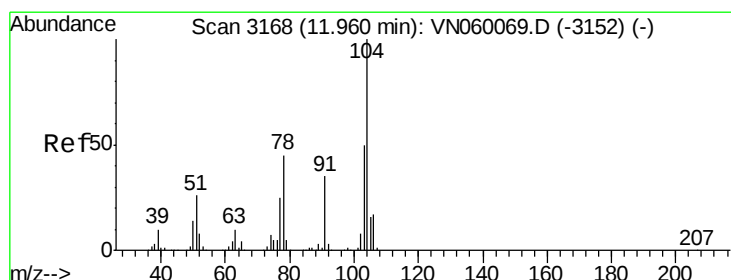
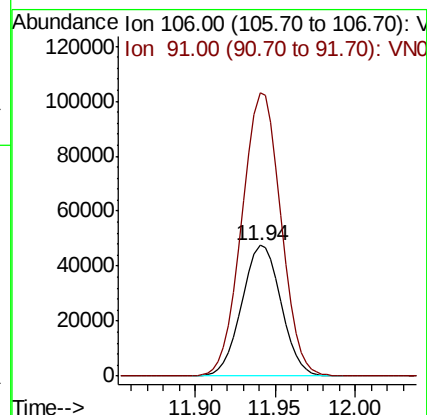
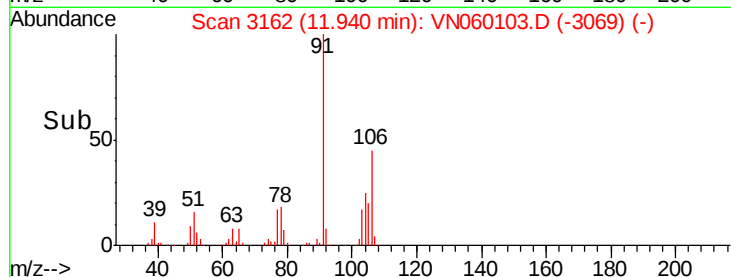
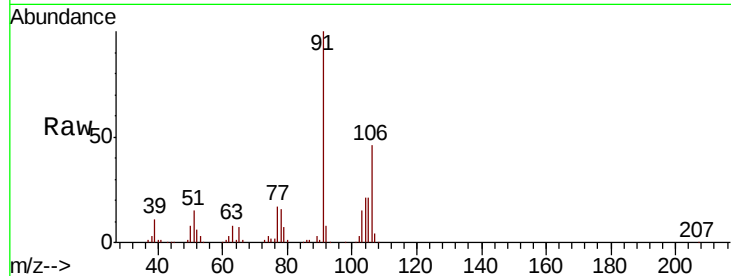




#69
o-Xylene
Concen: 21.741 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

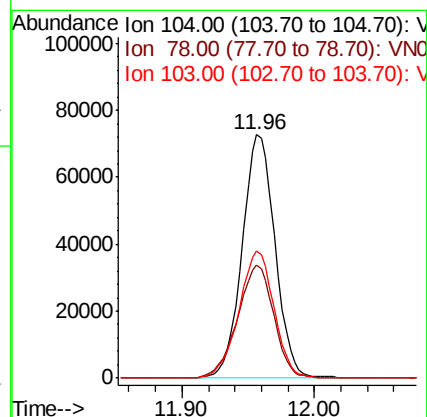
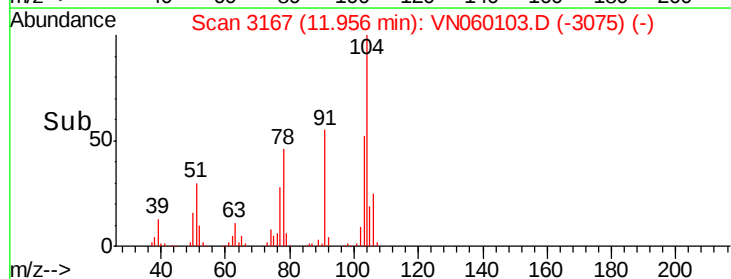
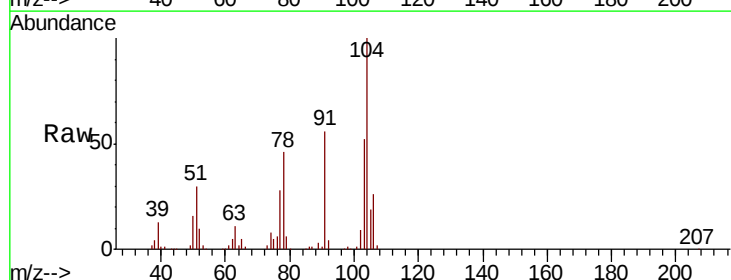
Instrument :
MSVOA_N
ClientSampled :

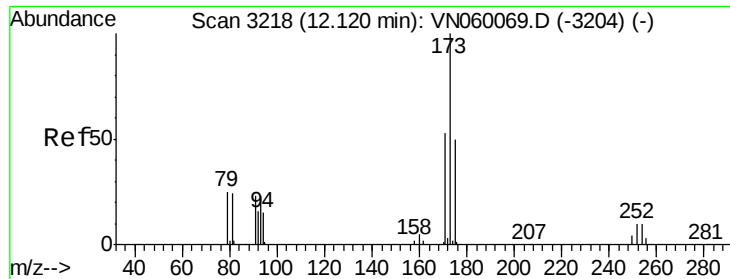
Tot Ion:106 Resp: 79457
Ion Ratio Lower Upper
106 100
91 215.4 107.2 321.6



#70
Styrene
Concen: 21.242 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion:104 Resp: 125189
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.2
103 55.8 44.3 66.5

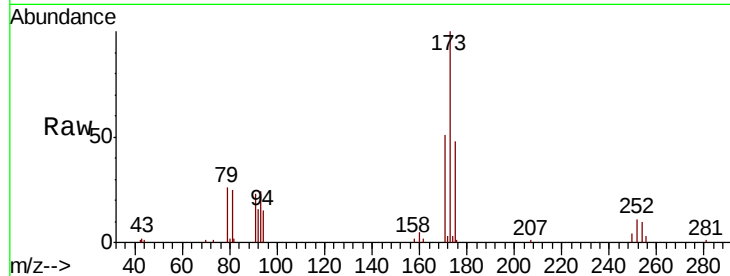




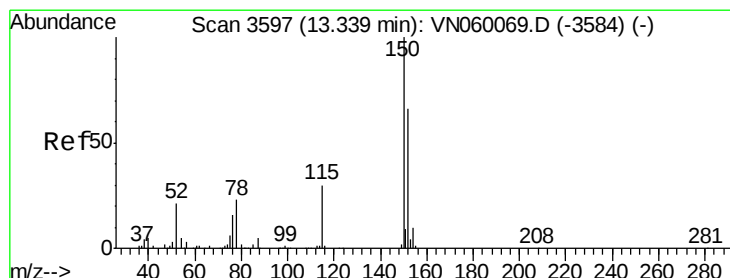
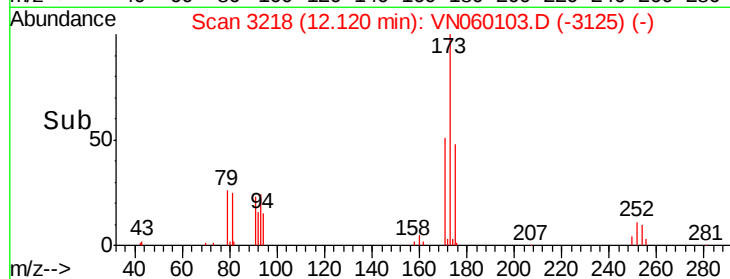
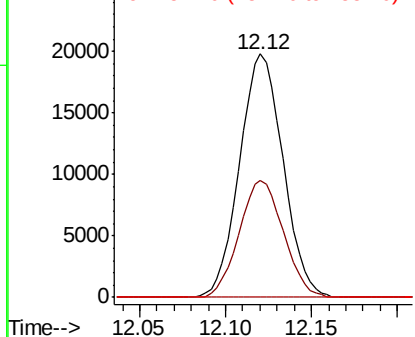
#71
Bromoform
Concen: 20.408 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 34821
Ion Ratio Lower Upper
173 100
175 48.7 24.9 74.6
254 0.0 0.0 0.0

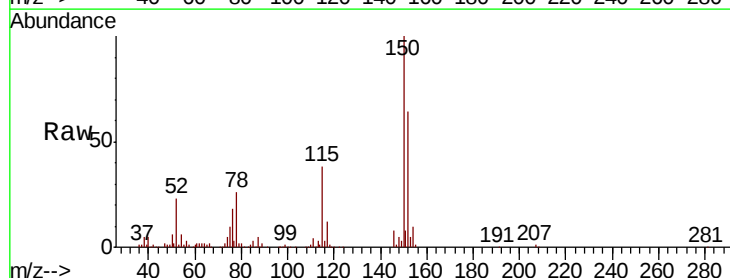


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

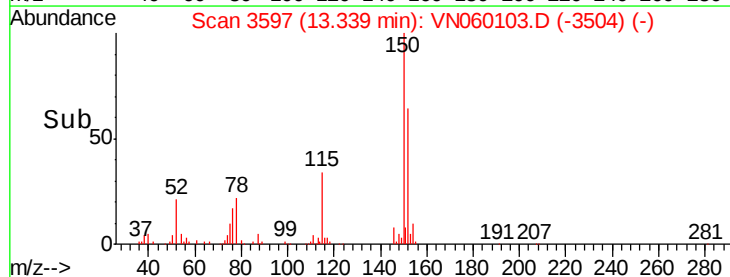
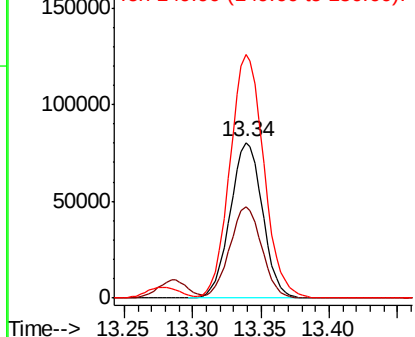


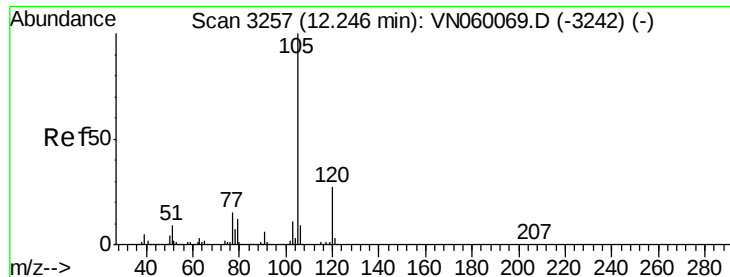
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion:152 Resp: 132143
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.8
150 164.4 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.747 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

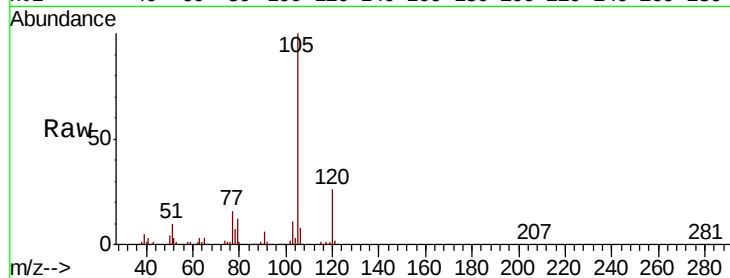
ClientSampled :

Tot Ion:105 Resp: 214599

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

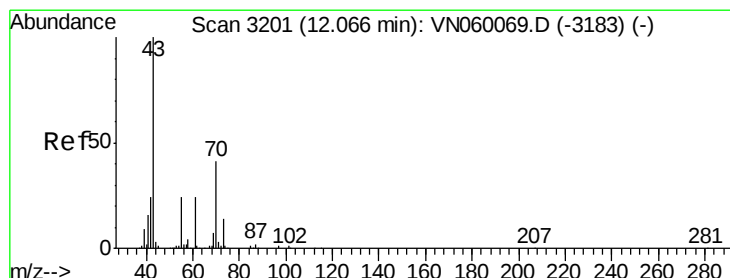
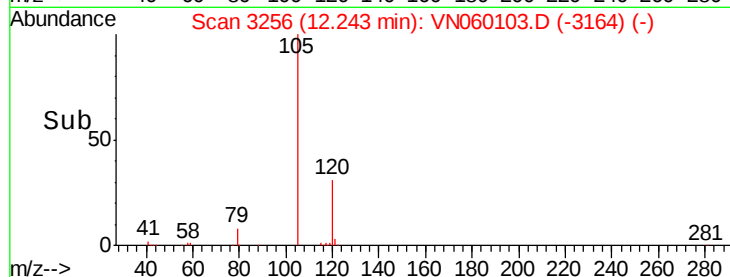
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 23.959 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Tgt Ion: 43 Resp: 85251

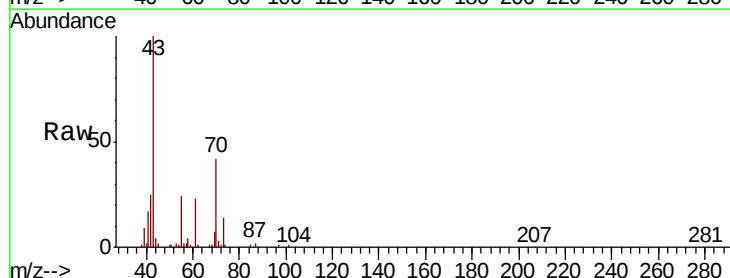
Ion Ratio Lower Upper

43 100

70 40.8 33.4 50.0

55 23.8 18.8 28.2

61 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

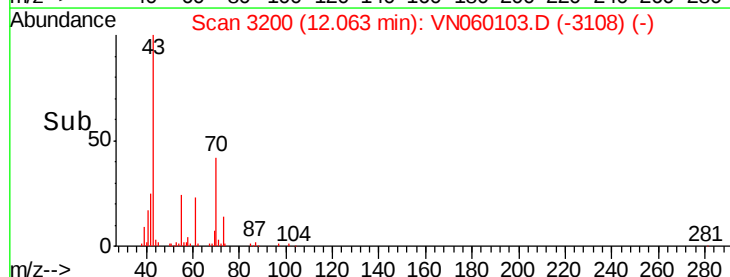
40000

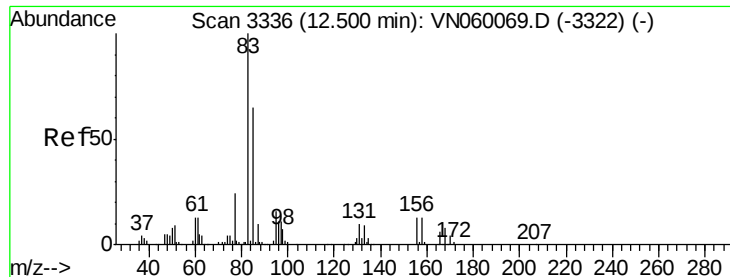
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.112 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

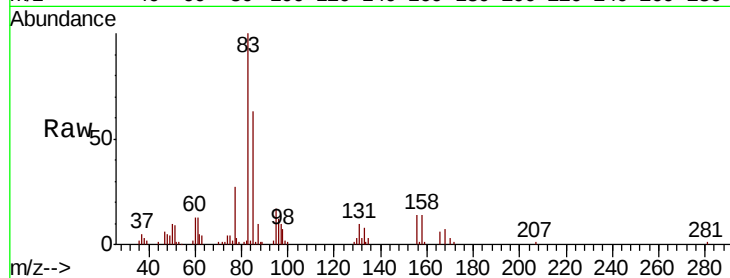
Tot Ion: 83 Resp: 65645

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

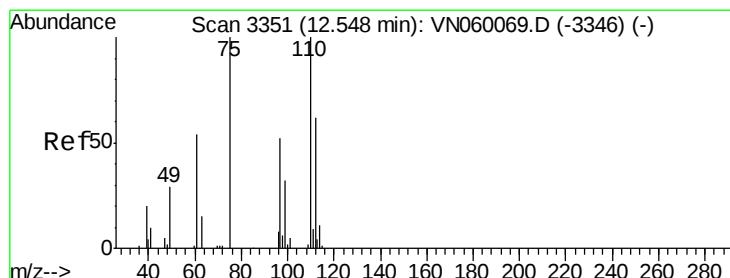
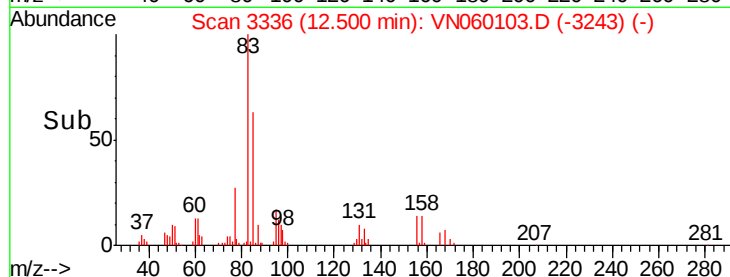
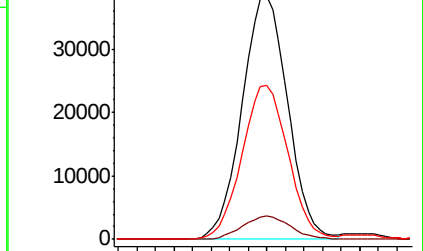
85 63.9 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060103.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060103.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060103.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 33.353 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060103.D

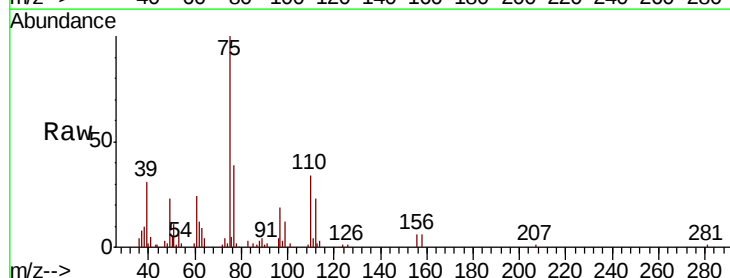
Acq: 14 Feb 2020 12:05

Tgt Ion: 75 Resp: 84322

Ion Ratio Lower Upper

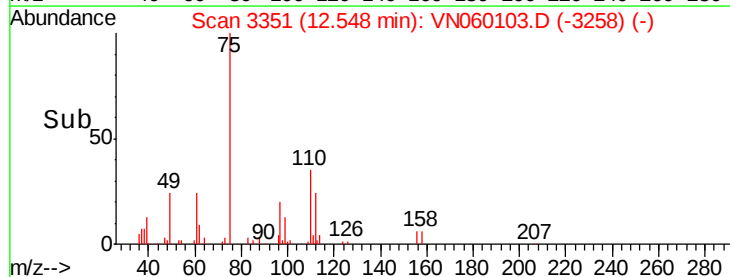
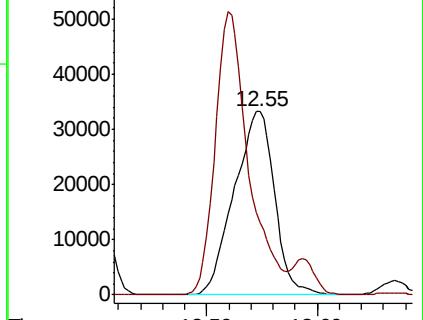
75 100

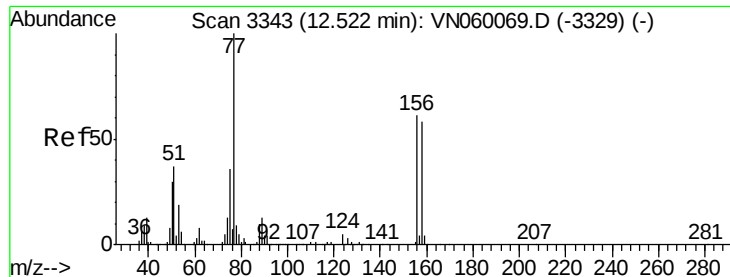
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060103.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060103.D (-3258) (-)





#77

Bromobenzene

Concen: 20.914 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

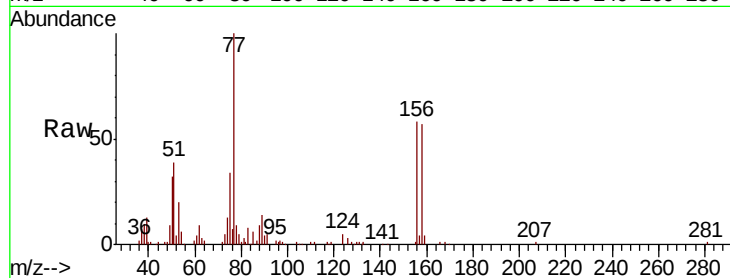
Tot Ion:156 Resp: 51215

Ion Ratio Lower Upper

156 100

77 208.7 98.7 296.1

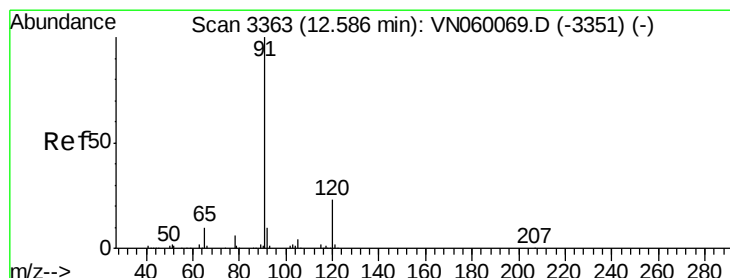
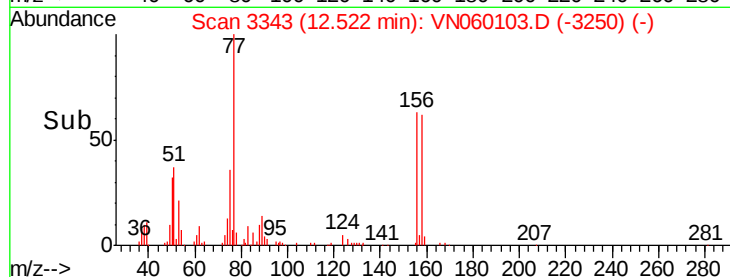
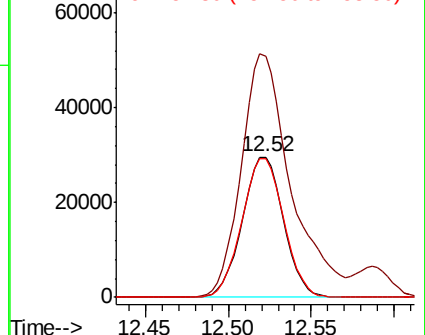
158 100.0 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.151 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060103.D

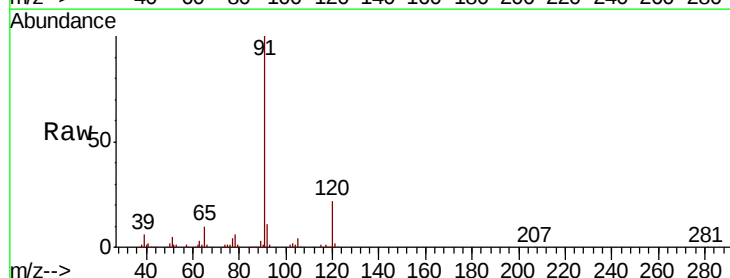
Acq: 14 Feb 2020 12:05

Tgt Ion: 91 Resp: 249031

Ion Ratio Lower Upper

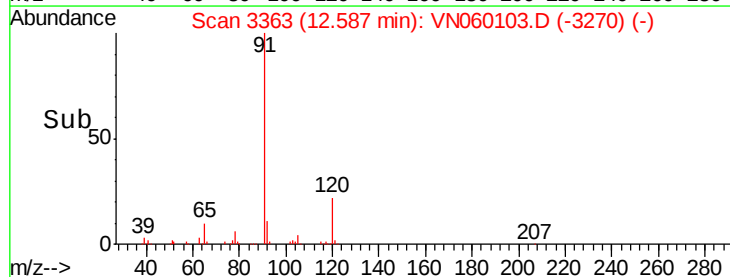
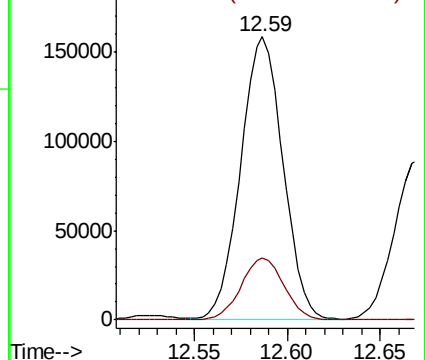
91 100

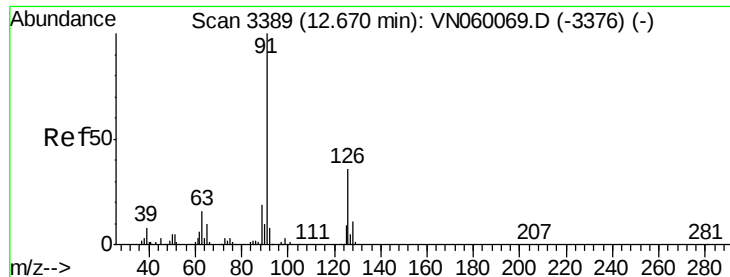
120 22.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.898 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

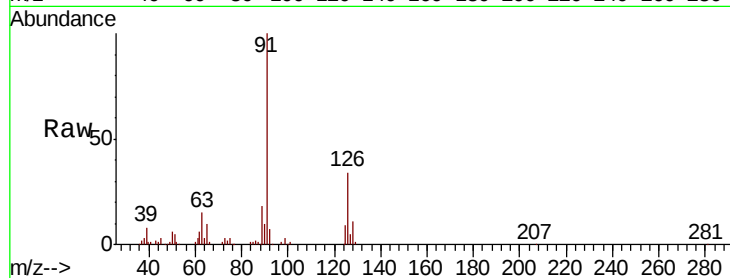
ClientSampled :

Tot Ion: 91 Resp: 144701

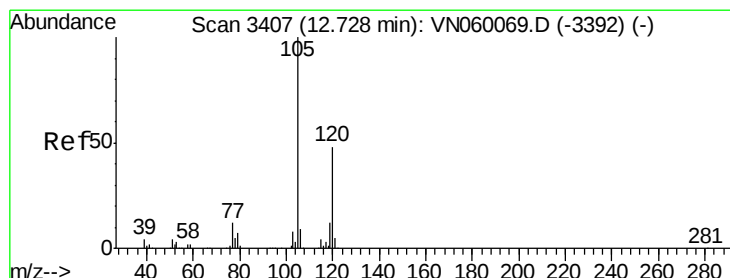
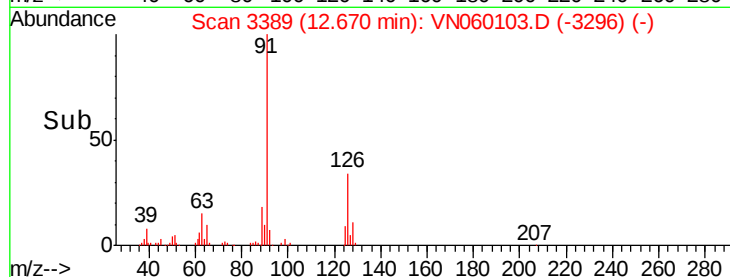
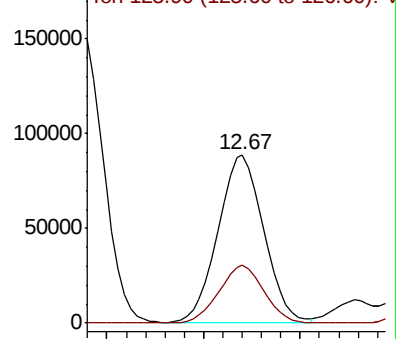
Ion Ratio Lower Upper

91 100

126 34.2 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060103.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.893 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060103.D

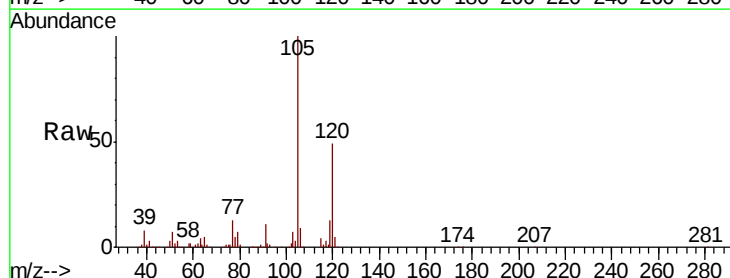
Acq: 14 Feb 2020 12:05

Tgt Ion:105 Resp: 179627

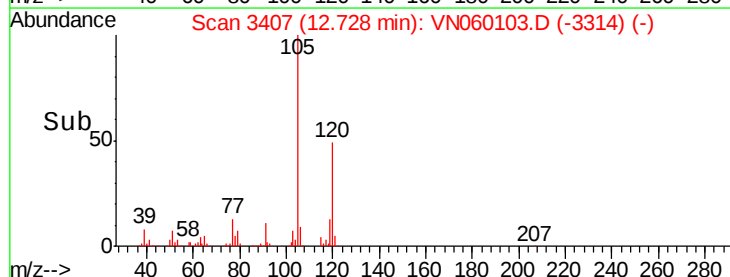
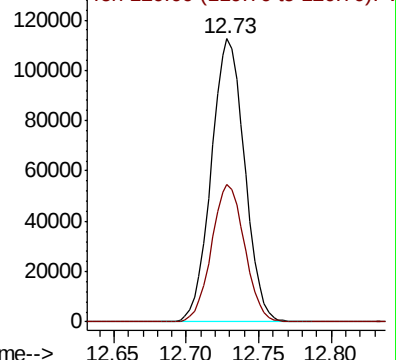
Ion Ratio Lower Upper

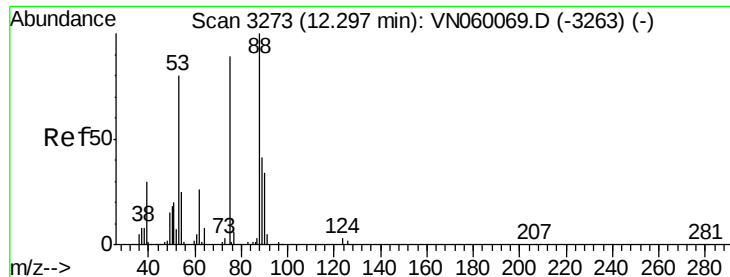
105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060103.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.983 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

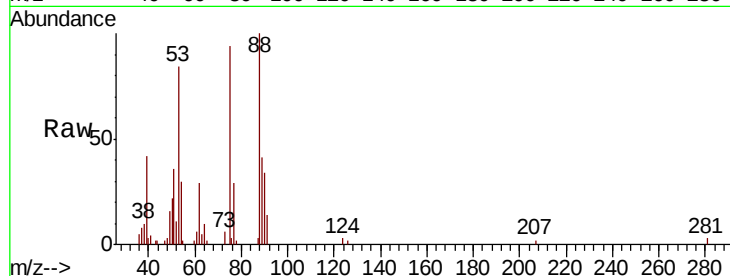
Tot Ion: 75 Resp: 22698

Ion Ratio Lower Upper

75 100

53 93.1 73.9 110.9

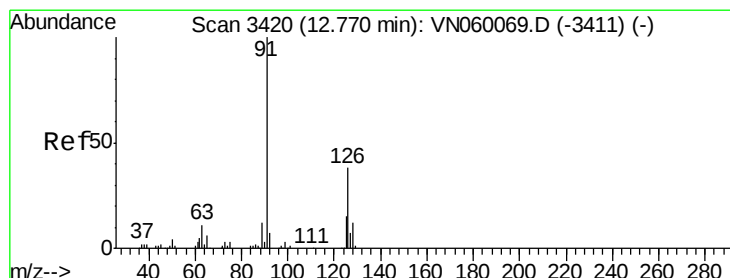
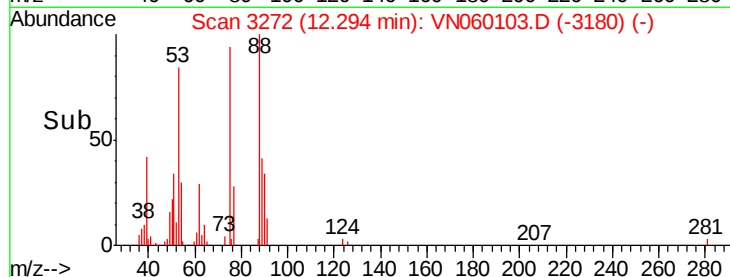
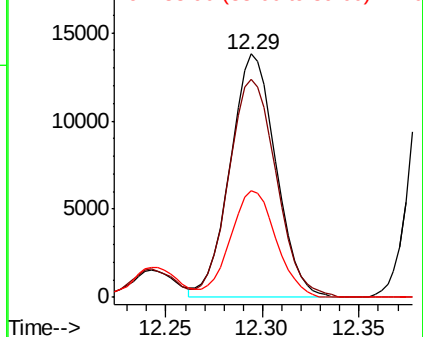
89 44.1 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060103.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060103.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060103.D (-3180) (-)



#82

4-Chlorotoluene

Concen: 21.803 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060103.D

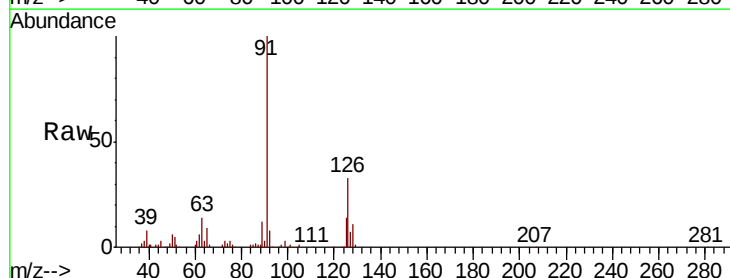
Acq: 14 Feb 2020 12:05

Tgt Ion: 91 Resp: 147816

Ion Ratio Lower Upper

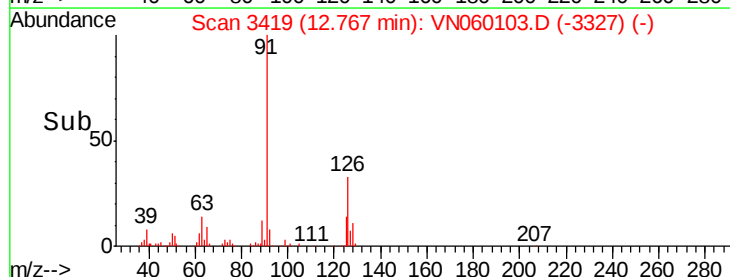
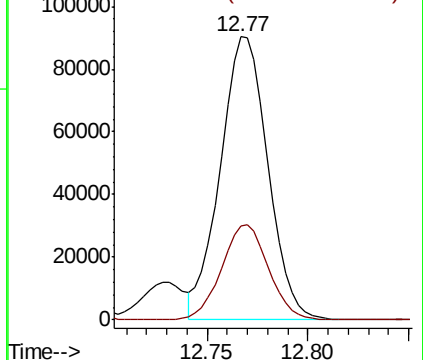
91 100

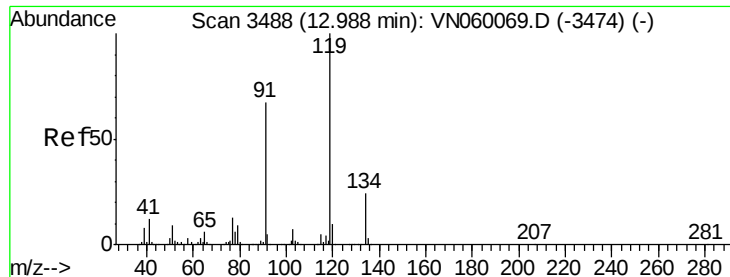
126 33.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060103.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060103.D (-3327) (-)





#83

tert-Butylbenzene

Concen: 21.277 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

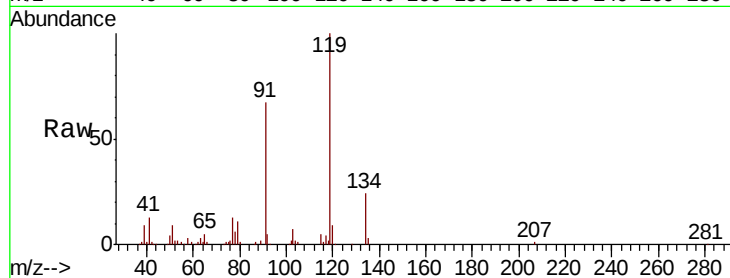
Tot Ion:119 Resp: 154429

Ion Ratio Lower Upper

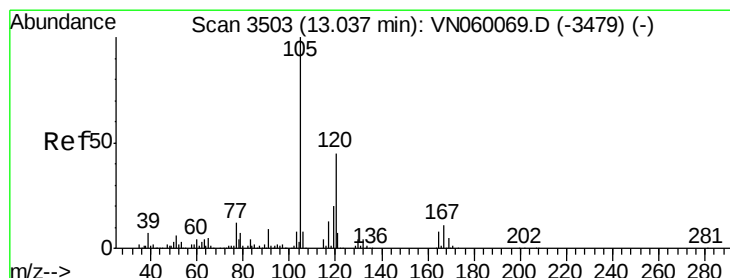
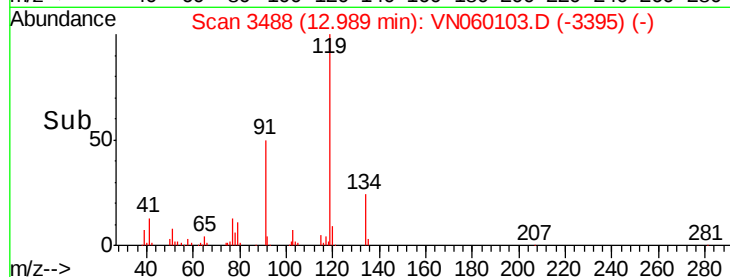
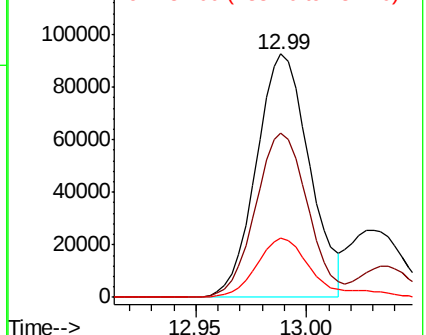
119 100

91 66.5 32.7 98.1

134 25.7 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.053 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060103.D

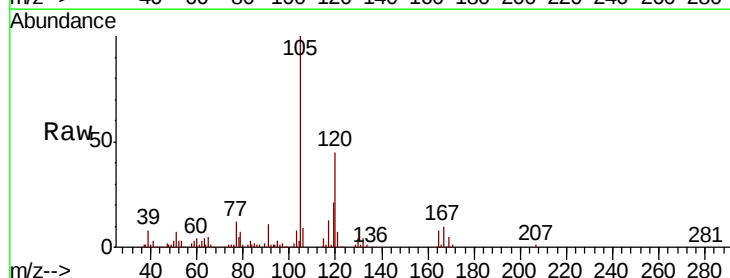
Acq: 14 Feb 2020 12:05

Tgt Ion:105 Resp: 178605

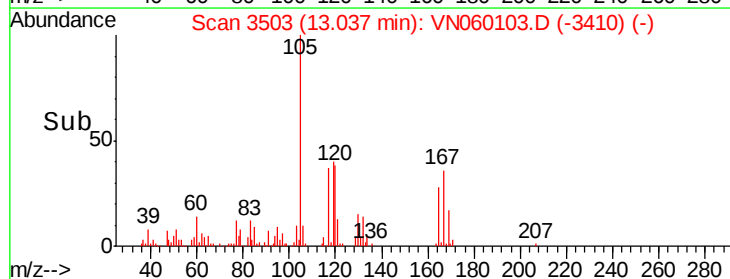
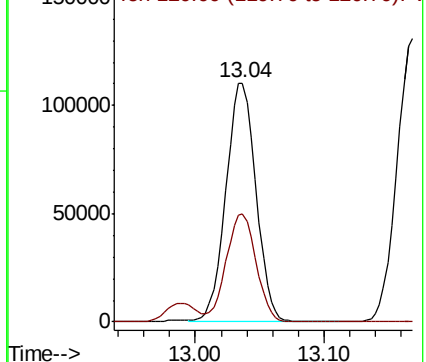
Ion Ratio Lower Upper

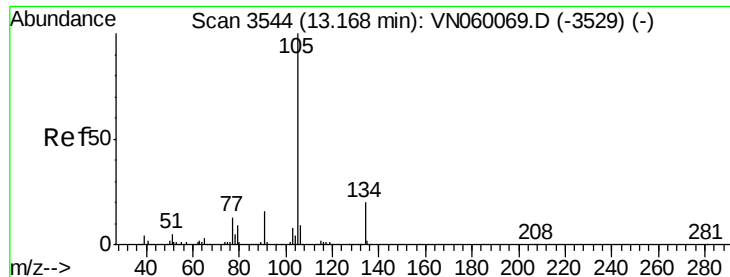
105 100

120 45.1 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

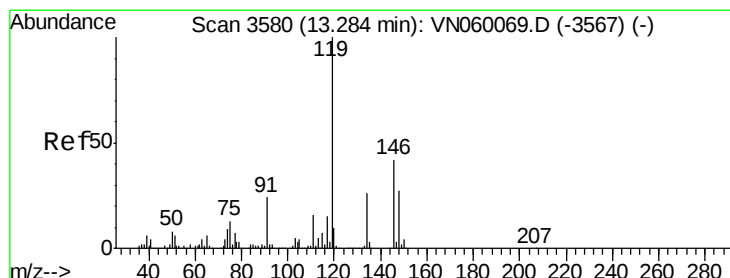
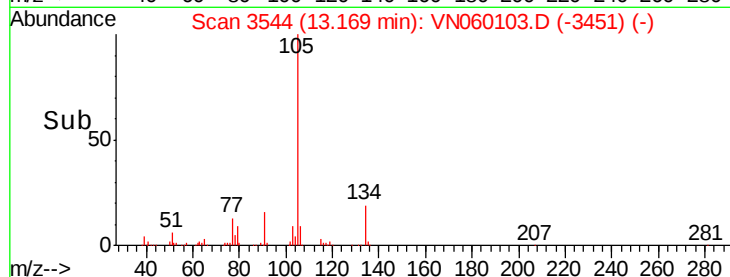
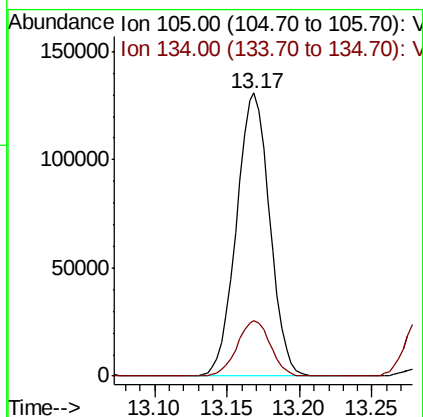
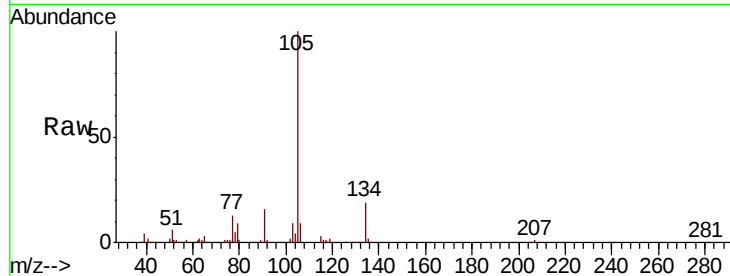




#85
 sec-Butylbenzene
 Concen: 21.658 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

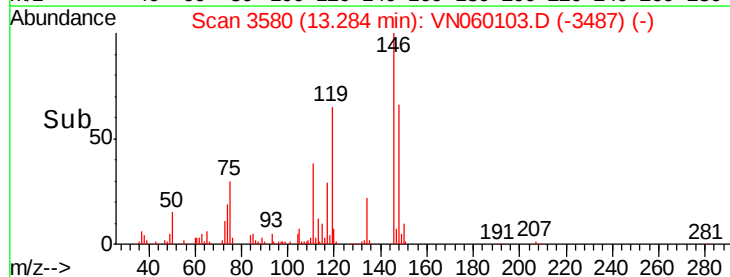
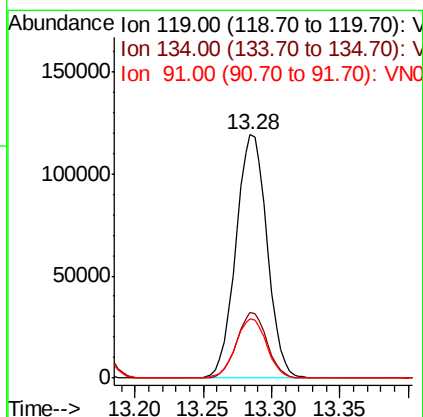
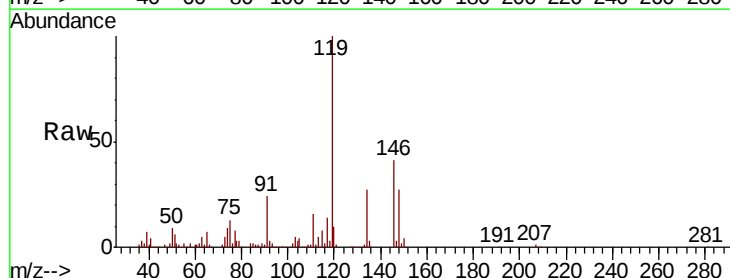
Instrument :
 MSVOA_N
 ClientSampled :

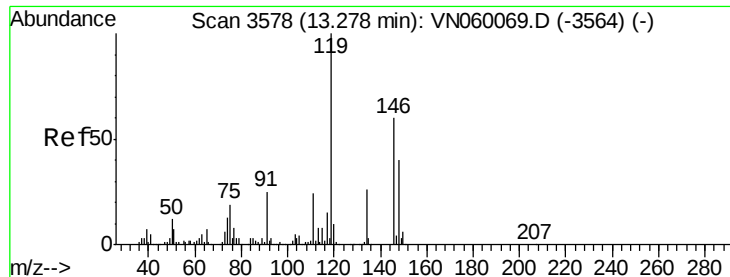
Tot Ion:105 Resp: 208176
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 21.724 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion:119 Resp: 189192
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 24.2 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 21.409 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

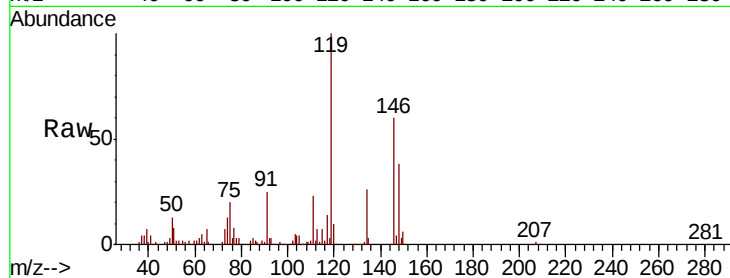
Tot Ion:146 Resp: 92804

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.3

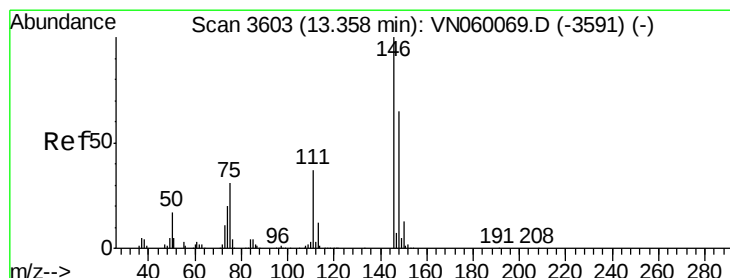
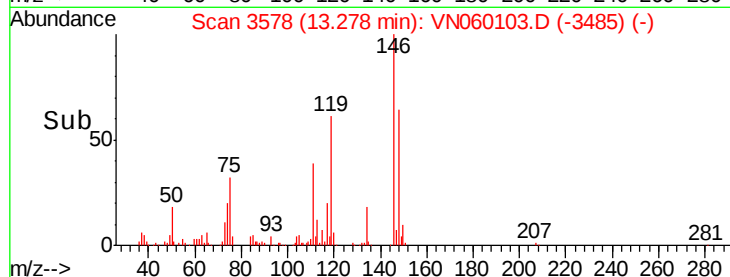
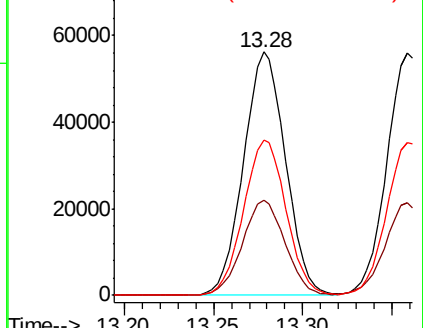
148 64.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.587 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060103.D

Acq: 14 Feb 2020 12:05

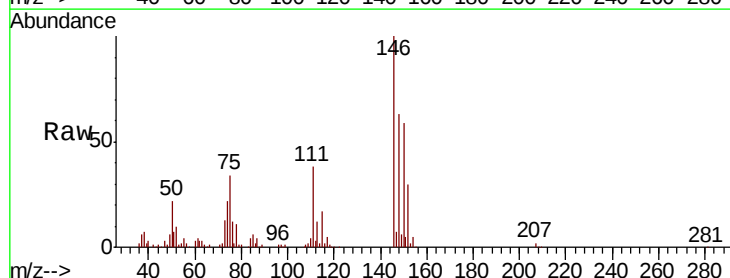
Tgt Ion:146 Resp: 93558

Ion Ratio Lower Upper

146 100

111 38.9 18.9 56.5

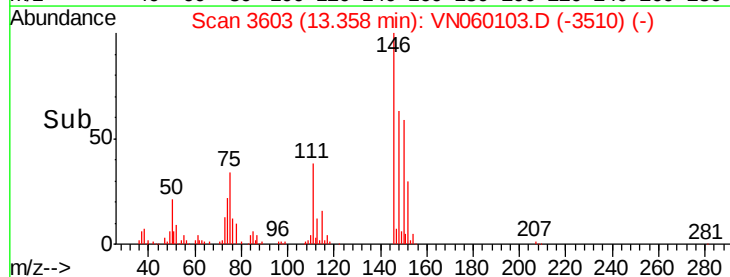
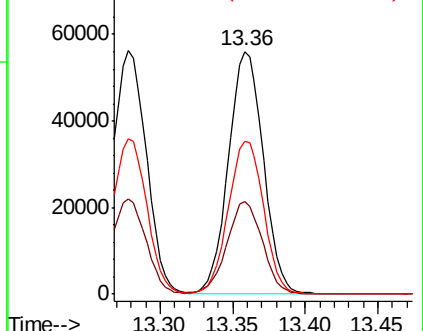
148 63.8 32.0 96.0

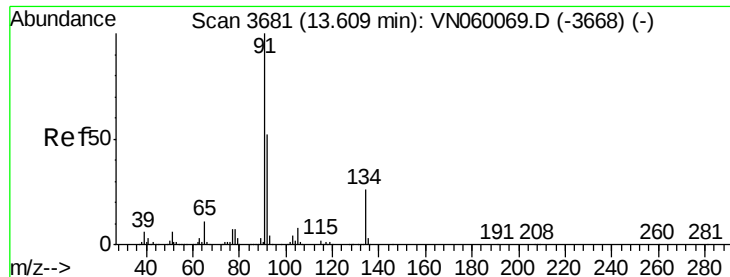


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

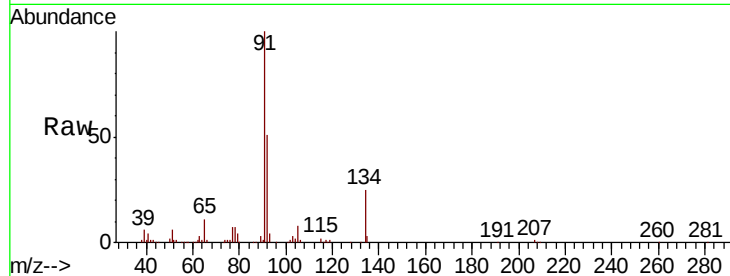




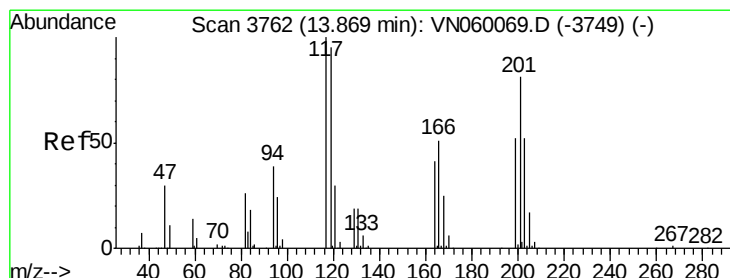
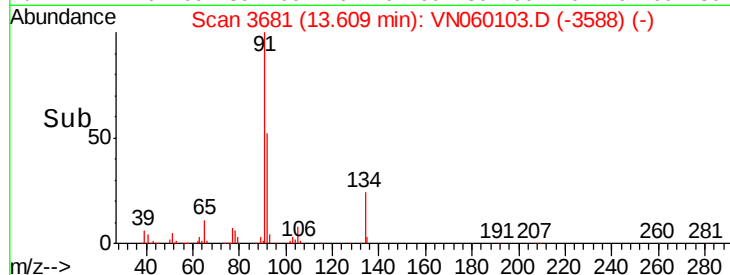
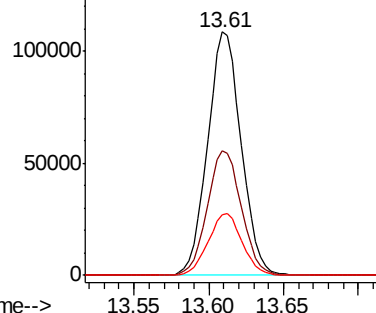
#89
n-Butylbenzene
Concen: 22.135 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 169552
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 25.5 13.1 39.3

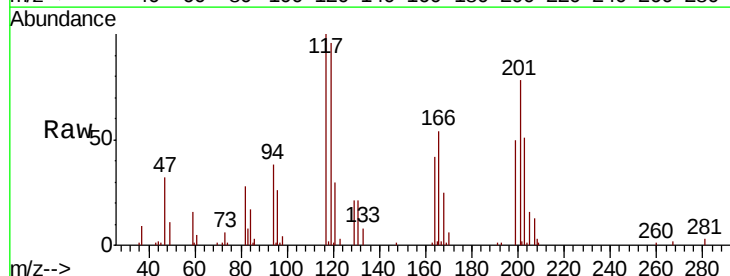


Abundance Ion 91.00 (90.70 to 91.70): VN060103.D (-3681) (-)
Ion 92.00 (91.70 to 92.70): VN060103.D (-3681) (-)
Ion 134.00 (133.70 to 134.70): VN060103.D (-3681) (-)

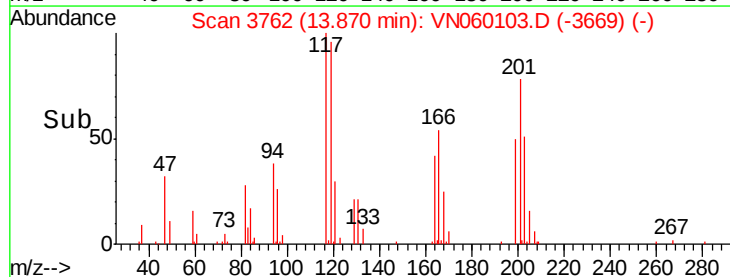
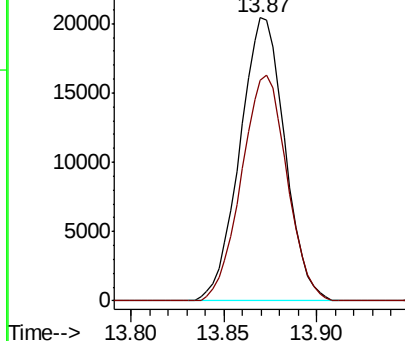


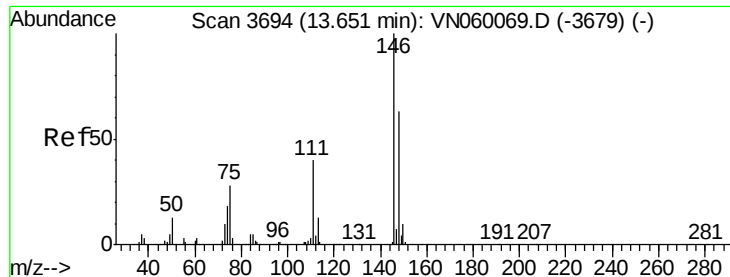
#90
Hexachloroethane
Concen: 21.188 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion: 117 Resp: 34473
Ion Ratio Lower Upper
117 100
201 80.9 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060103.D (-3762) (-)
Ion 200.70 (200.40 to 201.40): VN060103.D (-3762) (-)

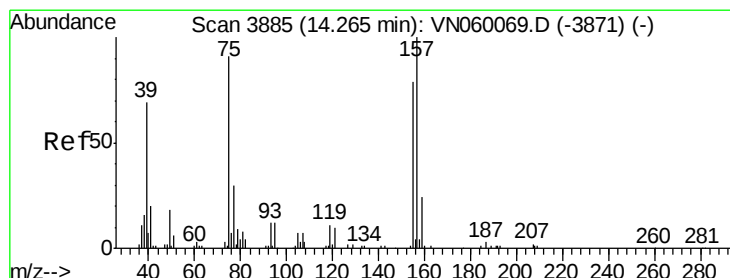
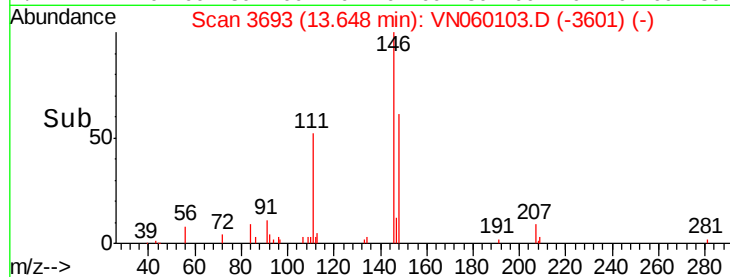
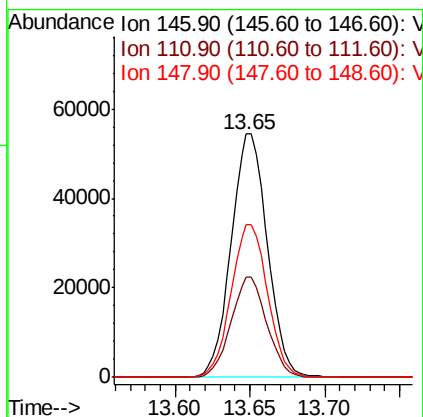
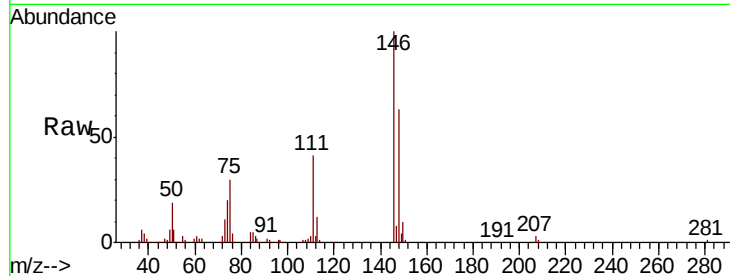




#91
 1,2-Dichlorobenzene
 Concen: 21.574 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

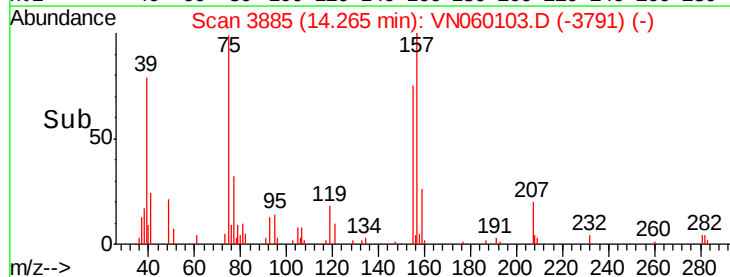
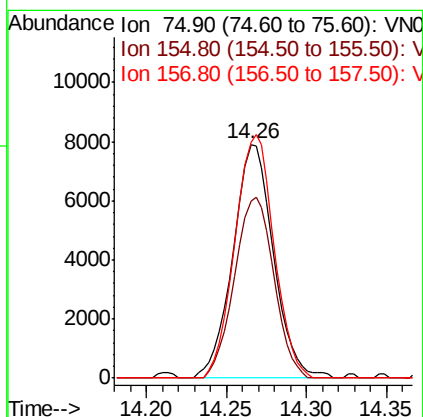
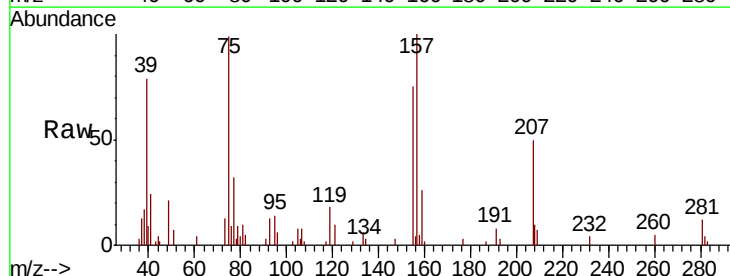
Instrument :
 MSVOA_N
 ClientSampleId :

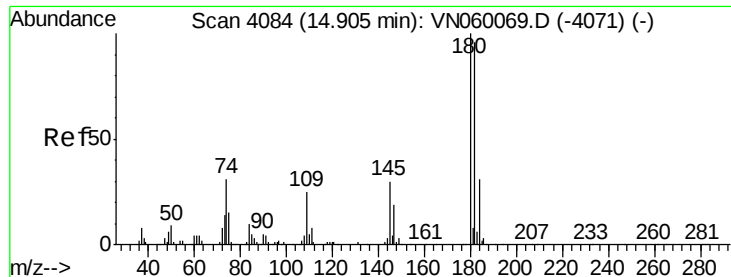
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.198 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.9	43.0	129.0
157	100.2	54.9	164.5

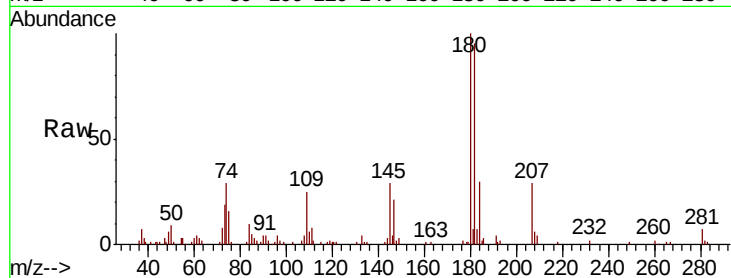




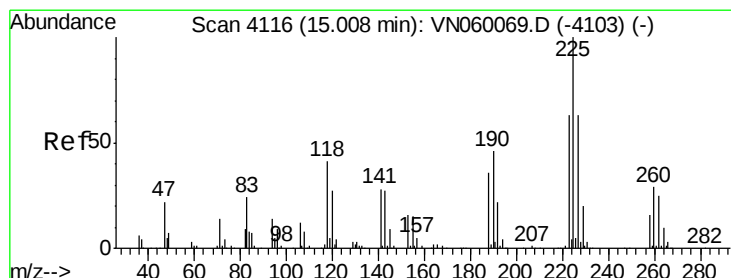
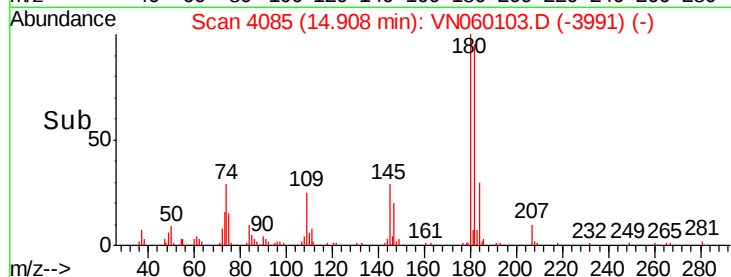
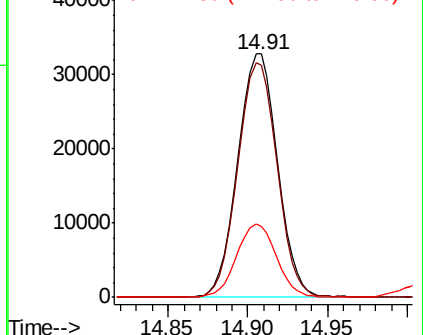
#93
 1,2,4-Trichlorobenzene
 Concen: 22.255 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 55473
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.9 143.8
 145 30.1 15.2 45.5

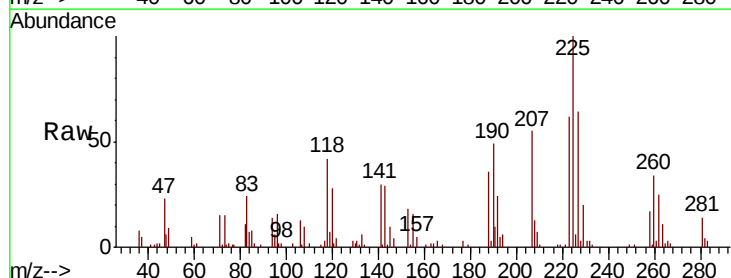


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

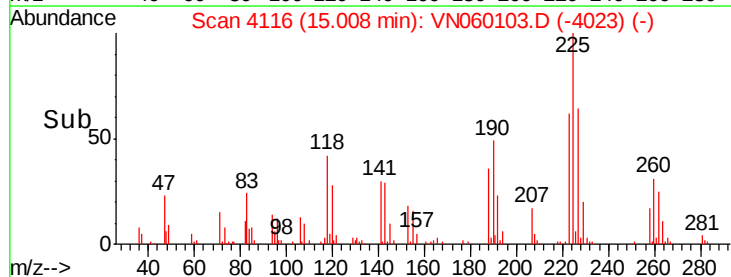
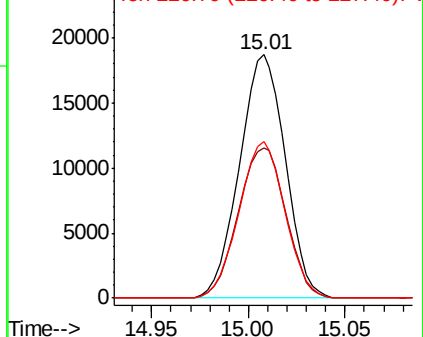


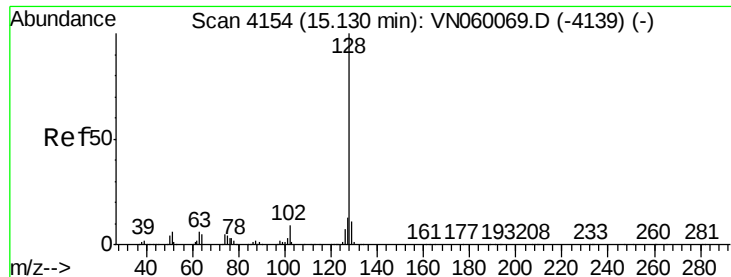
#94
 Hexachlorobutadiene
 Concen: 21.108 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060103.D
 Acq: 14 Feb 2020 12:05

Tgt Ion:225 Resp: 30801
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.5 94.5
 227 64.6 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

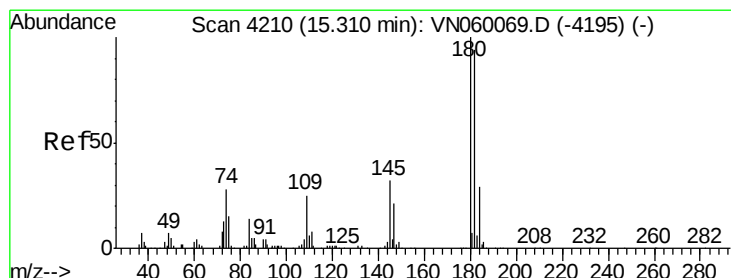
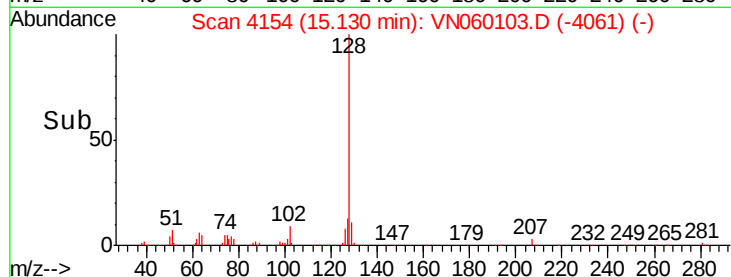
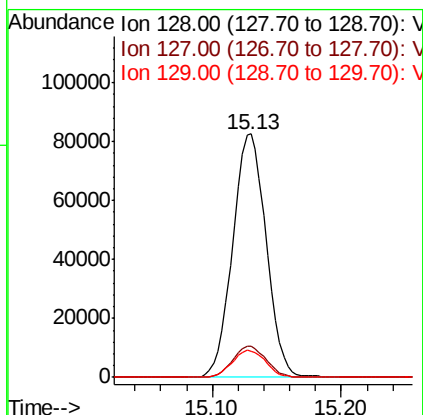
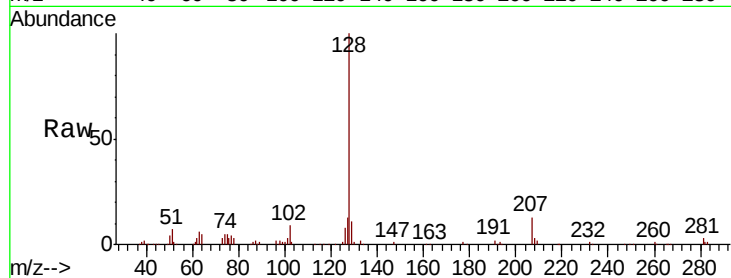




#95
Naphthalene
Concen: 22.152 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 149156
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.829 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060103.D
Acq: 14 Feb 2020 12:05

Tgt Ion:180 Resp: 54186
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 31.5 16.1 48.3

