

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060101.D
 Acq On : 14 Feb 2020 11:06
 Operator : JC/MD
 Sample : VN0214WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 02:42:14 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	194818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137859	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	122689	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	7.56	113	97562	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.08	98	379493	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	139373	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	41184	21.149	ug/l	97
3) Chloromethane	2.04	50	49876	21.522	ug/l	99
4) Vinyl Chloride	2.17	62	54287	20.552	ug/l	99
5) Bromomethane	2.55	94	32289	19.936	ug/l	96
6) Chloroethane	2.69	64	27526	20.603	ug/l	97
7) Trichlorofluoromethane	3.00	101	65773	19.313	ug/l	100
8) Diethyl Ether	3.38	74	23868	21.054	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37520	19.844	ug/l	99
10) Methyl Iodide	3.93	142	47960	20.424	ug/l	99
11) Tert butyl alcohol	4.73	59	36435	102.707	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	36590	19.865	ug/l	98
13) Acrolein	3.58	56	24131	68.818	ug/l	98
14) Allyl chloride	4.29	41	55131	20.336	ug/l	97
15) Acrylonitrile	4.94	53	92413	106.670	ug/l	99
16) Acetone	3.78	43	97295	94.092	ug/l	100
17) Carbon Disulfide	4.03	76	109769	19.771	ug/l	98
18) Methyl Acetate	4.29	43	43029	22.152	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	124585	20.113	ug/l	98
20) Methylene Chloride	4.52	84	41074	19.910	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	40027	19.935	ug/l	98
22) Diisopropyl ether	5.91	45	125709	21.158	ug/l	98
23) Vinyl Acetate	5.86	43	524084	105.038	ug/l	99
24) 1,1-Dichloroethane	5.82	63	74172	20.607	ug/l	99
25) 2-Butanone	6.80	43	132873	102.171	ug/l	97
26) 2,2-Dichloropropane	6.79	77	67600	19.774	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46620	19.840	ug/l	99
28) Bromochloromethane	7.17	49	30224	21.360	ug/l	94
29) Tetrahydrofuran	7.18	42	84022	105.313	ug/l	96
30) Chloroform	7.35	83	73989	19.624	ug/l	97
31) Cyclohexane	7.63	56	70383	20.992	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	67330	19.542	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57040	19.703	ug/l	99
37) Ethyl Acetate	6.90	43	53065	20.282	ug/l	99
38) Carbon Tetrachloride	7.75	117	59267	18.851	ug/l	99

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Quant Time: Feb 15 02:42:14 2020
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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	70225	19.542	ug/l	97
40) Benzene	8.02	78	167562	19.512	ug/l	99
41) Methacrylonitrile	7.18	41	77082	70.251	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60418	20.074	ug/l	99
43) Isopropyl Acetate	8.14	43	91201	20.392	ug/l	98
44) Trichloroethene	8.82	130	45517	19.142	ug/l	98
45) 1,2-Dichloropropane	9.10	63	44720	21.034	ug/l	98
46) Dibromomethane	9.19	93	28777	19.154	ug/l	99
47) Bromodichloromethane	9.39	83	59940	19.623	ug/l	100
48) Methyl methacrylate	9.18	41	39980	19.924	ug/l	96
49) 1,4-Dioxane	9.18	88	14417	420.497	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	264592	102.208	ug/l	99
52) Toluene	10.14	92	105993	19.247	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	67363	19.538	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72871	20.071	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	41335	19.240	ug/l	98
56) Ethyl methacrylate	10.42	69	59095	19.445	ug/l	95
57) 1,3-Dichloropropane	10.70	76	69431	19.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	140930	99.538	ug/l	97
59) 2-Hexanone	10.74	43	199575	99.800	ug/l	98
60) Dibromochloromethane	10.89	129	45256	18.357	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43822	19.458	ug/l	100
64) Tetrachloroethene	10.62	164	40997	18.669	ug/l	98
65) Chlorobenzene	11.43	112	113416	19.271	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41943	18.839	ug/l	97
67) Ethyl Benzene	11.50	91	206139	19.420	ug/l	98
68) m/p-Xylenes	11.62	106	153707	38.582	ug/l	100
69) o-Xylene	11.94	106	73190	19.081	ug/l	99
70) Styrene	11.96	104	116778	18.879	ug/l	99
71) Bromoform	12.12	173	32978	18.416	ug/l #	98
73) Isopropylbenzene	12.25	105	202195	19.641	ug/l	99
74) N-amyl acetate	12.06	43	77222	20.802	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	60729	20.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78565	29.787	ug/l #	100
77) Bromobenzene	12.52	156	49042	19.196	ug/l	96
78) n-propylbenzene	12.59	91	231064	19.700	ug/l	100
79) 2-Chlorotoluene	12.67	91	136543	19.806	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	168288	19.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20708	19.224	ug/l	97
82) 4-Chlorotoluene	12.77	91	136443	19.291	ug/l	99
83) tert-Butylbenzene	12.99	119	143170	18.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	169317	20.039	ug/l	100
85) sec-Butylbenzene	13.17	105	194633	19.409	ug/l	99
86) p-Isopropyltoluene	13.28	119	175302	19.295	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	87128	19.266	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	86102	19.043	ug/l	98
89) n-Butylbenzene	13.61	91	156605	19.597	ug/l	99
90) Hexachloroethane	13.87	117	32597	19.205	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	84752	19.150	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12274	19.003	ug/l	92

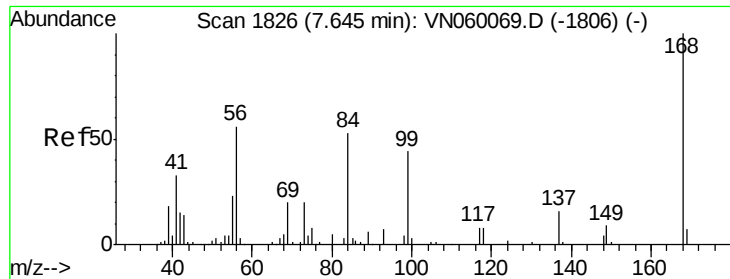
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49311	18.963	ug/l	99
94) Hexachlorobutadiene	15.01	225	28142	18.486	ug/l	98
95) Naphthalene	15.13	128	133261	18.971	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49270	19.026	ug/l	97

(#) = 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: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

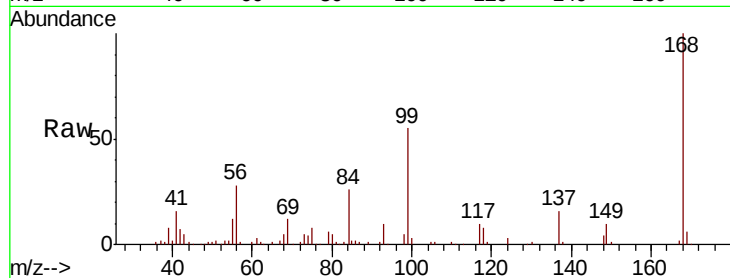
ClientSampleId :

Tot Ion:168 Resp: 194818

Ion Ratio Lower Upper

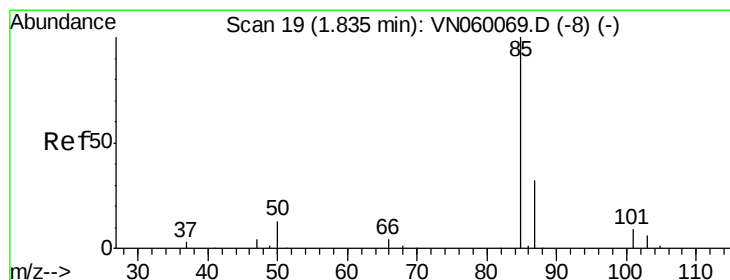
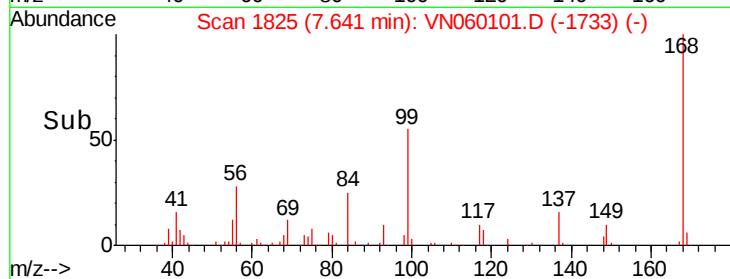
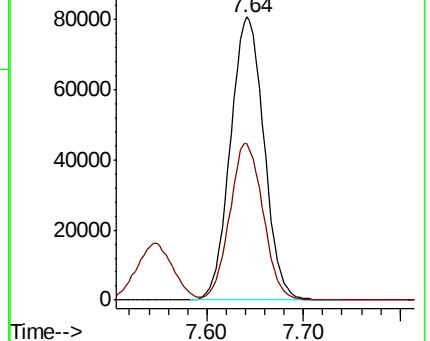
168 100

99 55.4 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.149 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060101.D

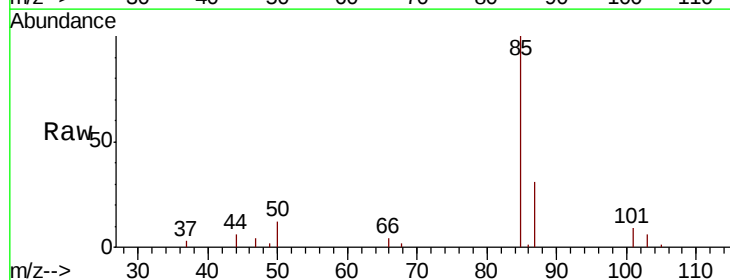
Acq: 14 Feb 2020 11:06

Tgt Ion: 85 Resp: 41184

Ion Ratio Lower Upper

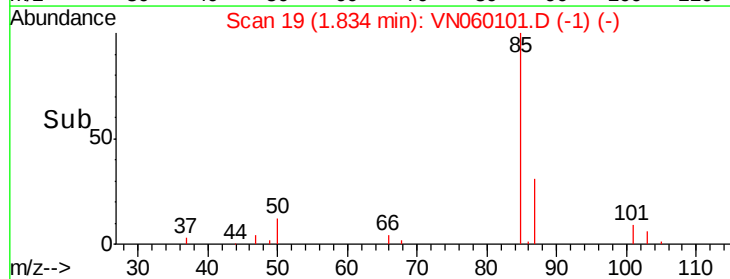
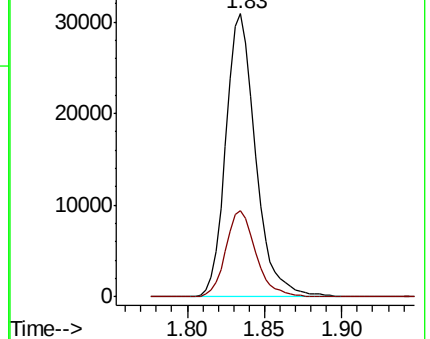
85 100

87 30.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.522 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

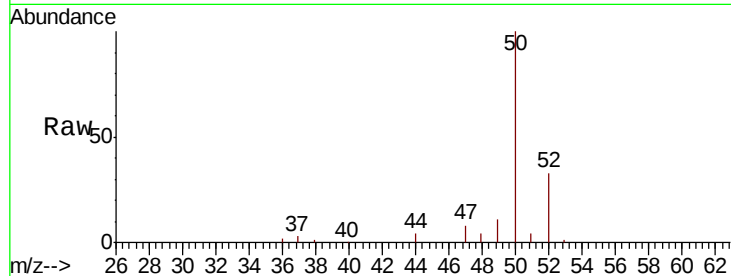
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 49876

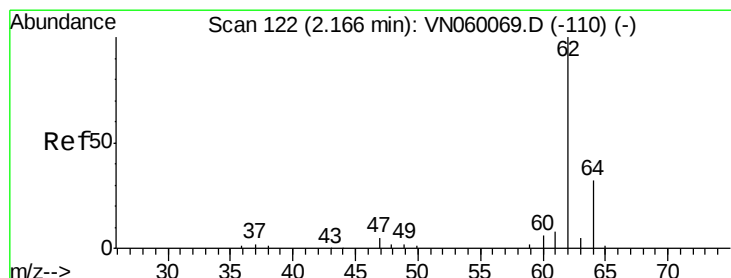
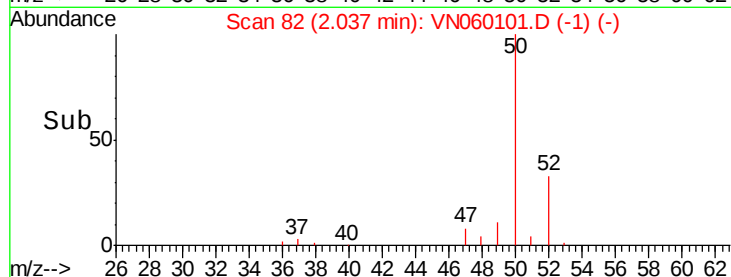
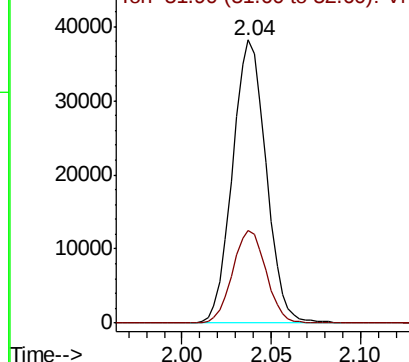
Ion Ratio Lower Upper

50 100

52 32.7 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: 20.552 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060101.D

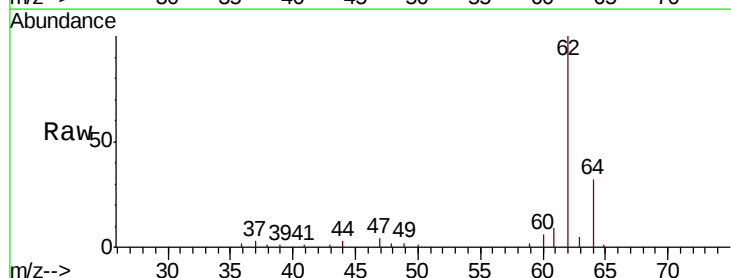
Acq: 14 Feb 2020 11:06

Tgt Ion: 62 Resp: 54287

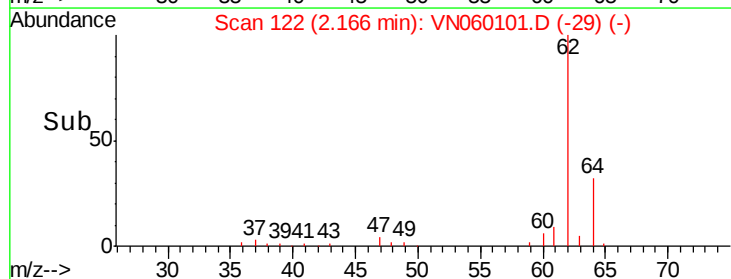
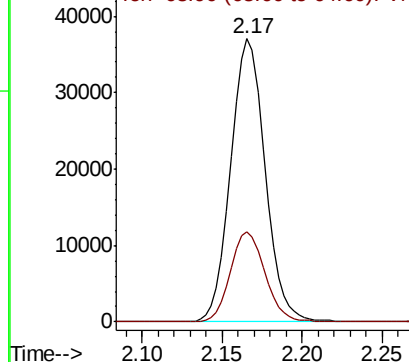
Ion Ratio Lower Upper

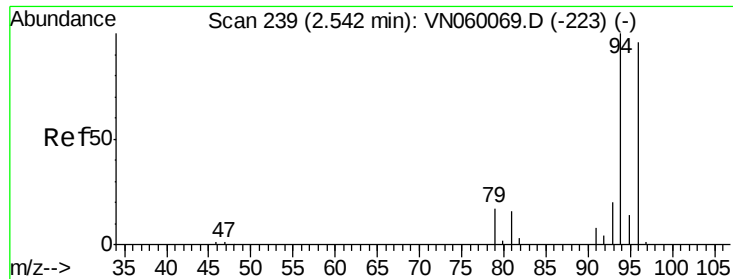
62 100

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

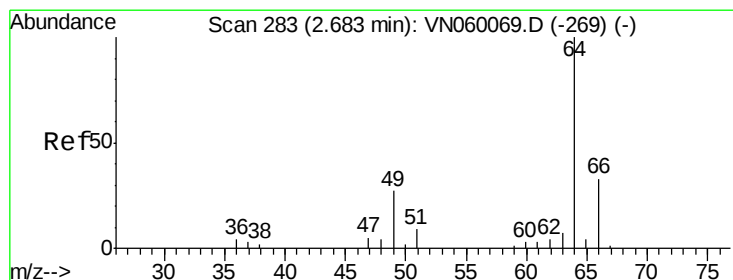
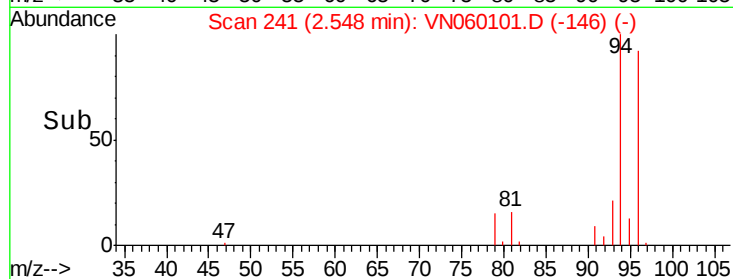
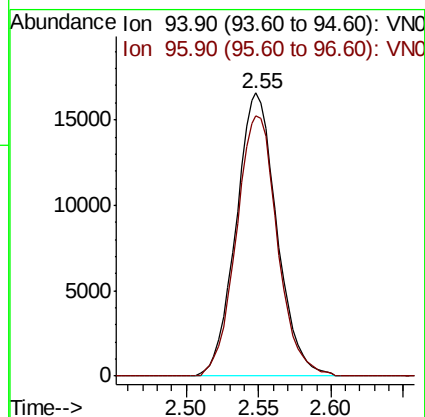
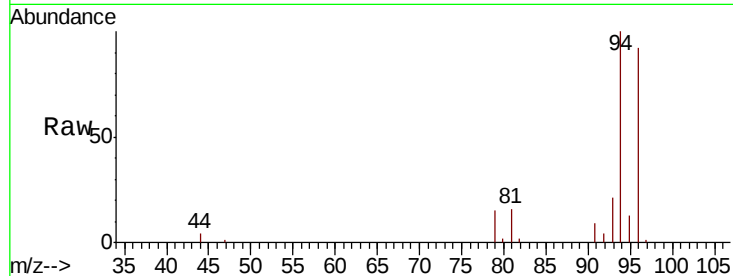




#5
Bromomethane
Concen: 19.936 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

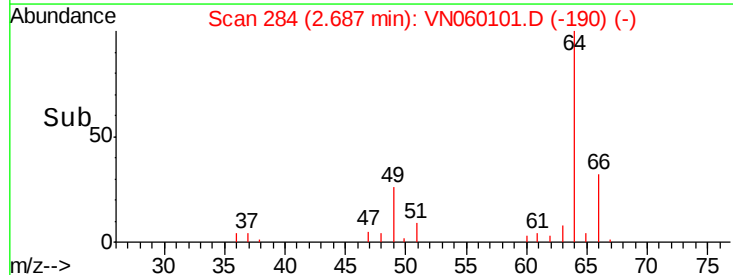
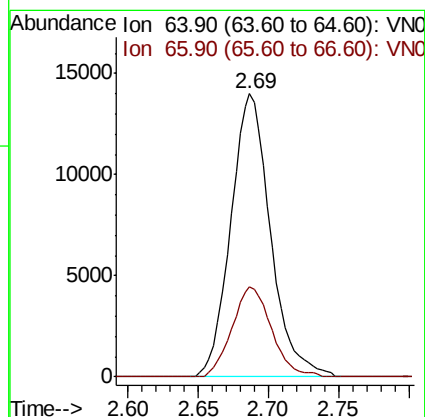
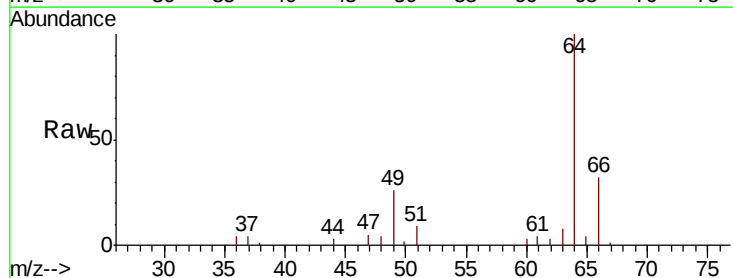
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 32289
Ion Ratio Lower Upper
94 100
96 92.1 76.7 115.1



#6
Chloroethane
Concen: 20.603 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 64 Resp: 27526
Ion Ratio Lower Upper
64 100
66 31.7 26.6 40.0



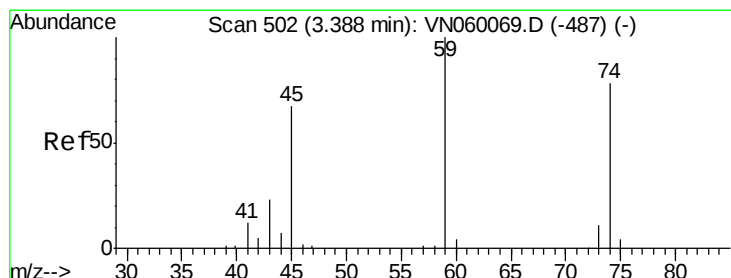
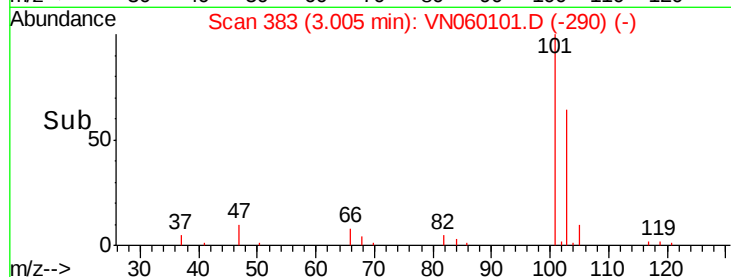
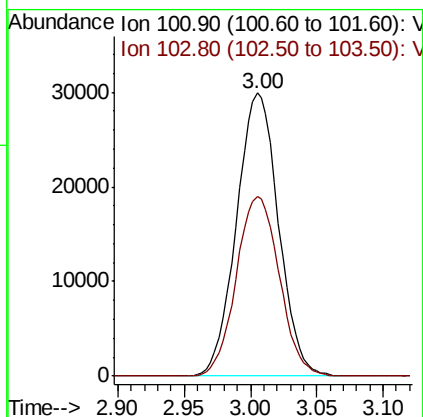
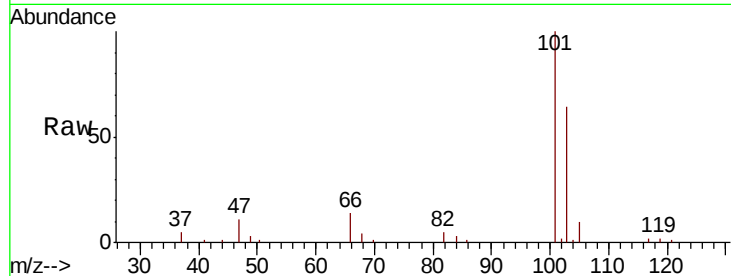


#7

Trichlorofluoromethane
 Concen: 19.313 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampled :

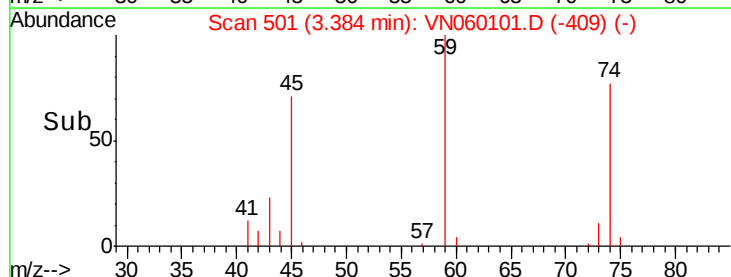
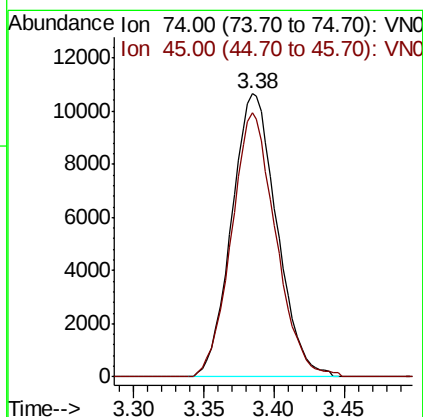
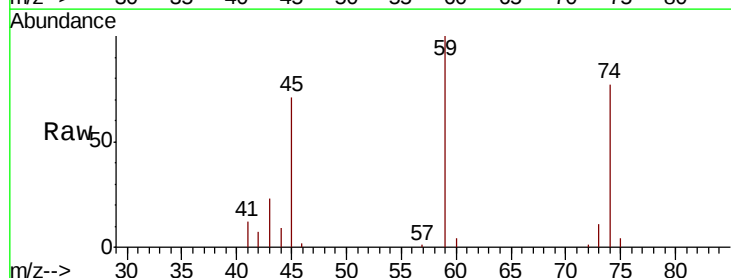
Tot Ion: 101 Resp: 65773
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.0 76.6



#8

Diethyl Ether
 Concen: 21.054 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion: 74 Resp: 23868
 Ion Ratio Lower Upper
 74 100
 45 91.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.844 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

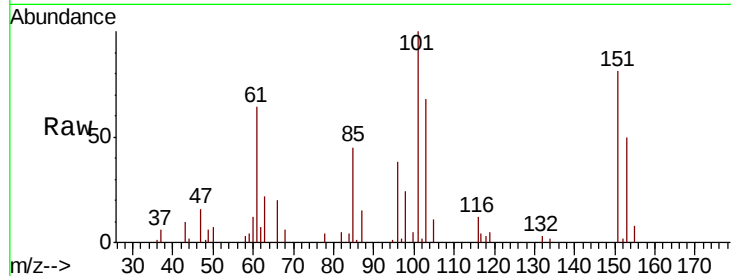
Tot Ion:101 Resp: 37520

Ion Ratio Lower Upper

101 100

85 45.0 35.1 52.7

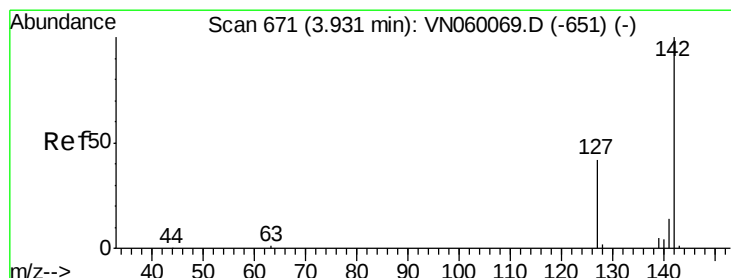
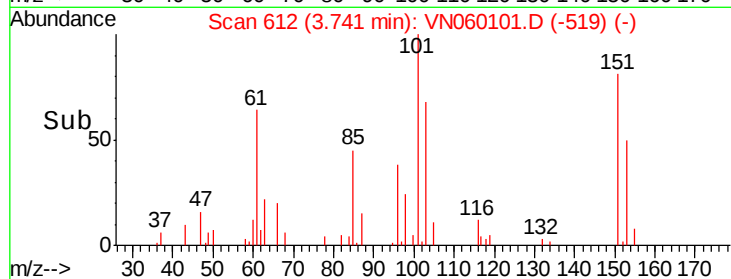
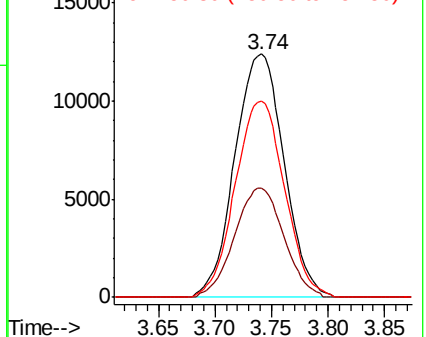
151 81.0 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.424 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

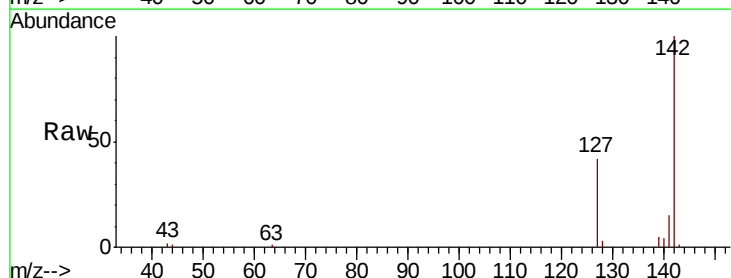
Tgt Ion:142 Resp: 47960

Ion Ratio Lower Upper

142 100

127 42.9 33.6 50.4

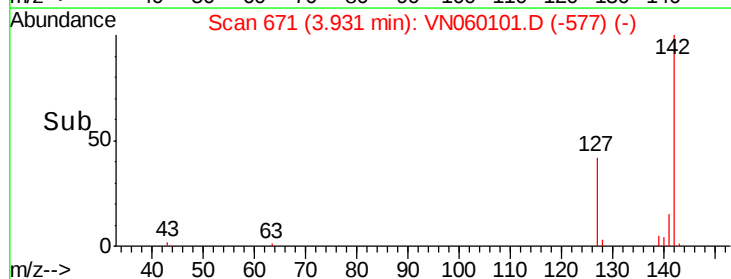
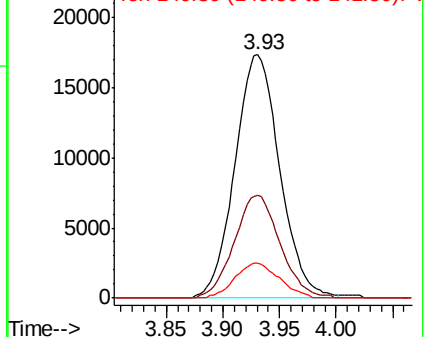
141 14.1 11.4 17.2

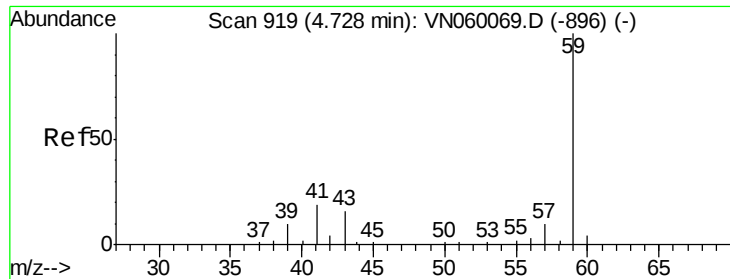


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

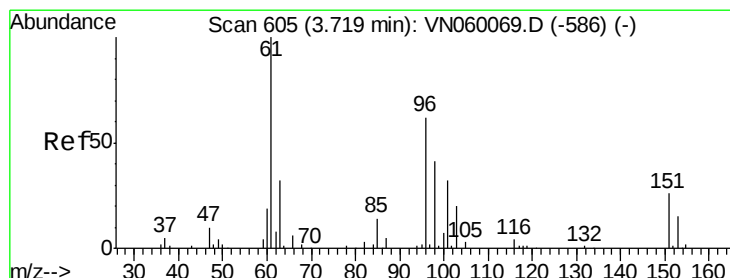
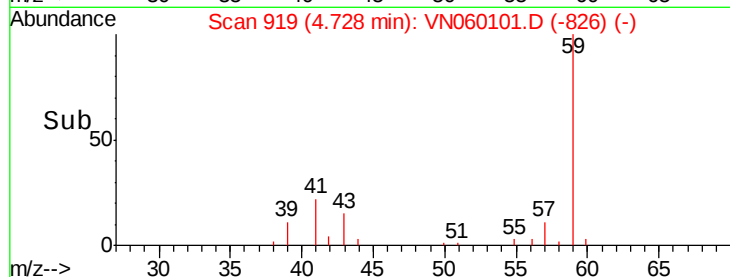
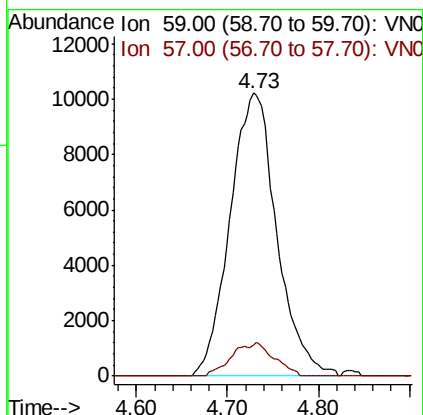
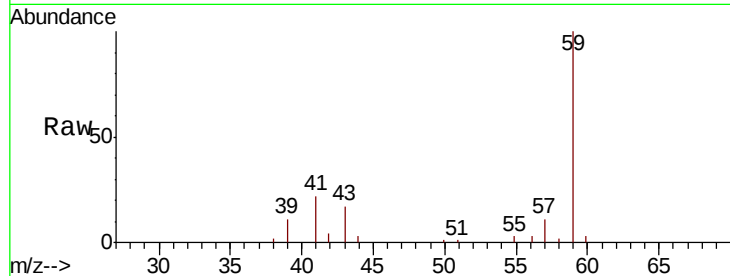




#11
Tert butyl alcohol
Concen: 102.707 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

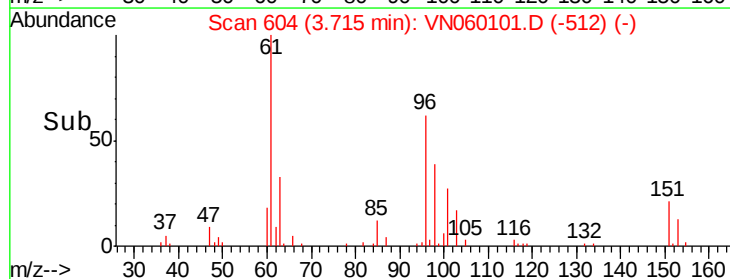
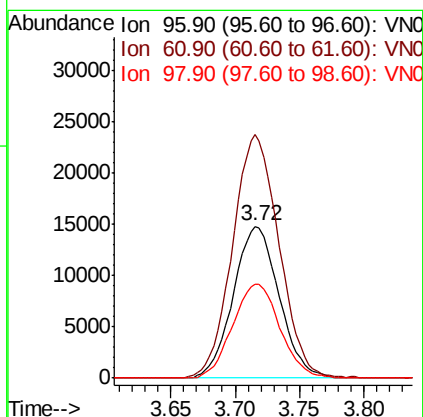
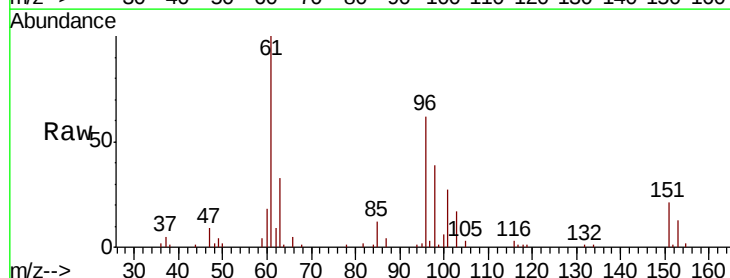
Instrument :
MSVOA_N
ClientSampled :

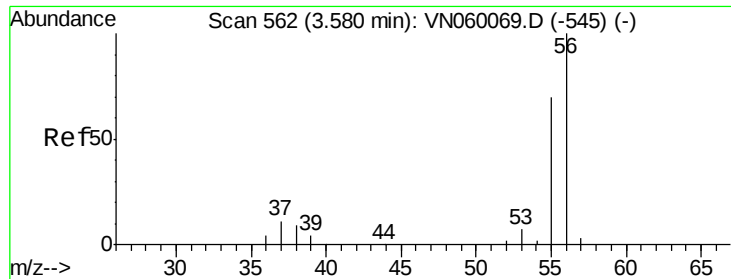
Tot Ion: 59 Resp: 36435
Ion Ratio Lower Upper
59 100
57 4.5 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 19.865 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 96 Resp: 36590
Ion Ratio Lower Upper
96 100
61 159.1 128.3 192.5
98 61.7 52.2 78.4





#13

Acrolein

Concen: 68.818 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

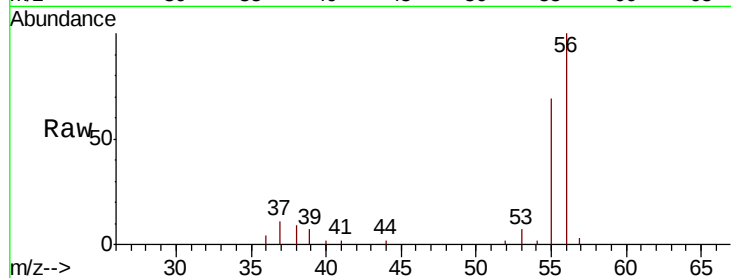
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 24131

Ion Ratio Lower Upper

56 100

55 70.3 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060101.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060101.D (-545) (-)

3.58

10000

8000

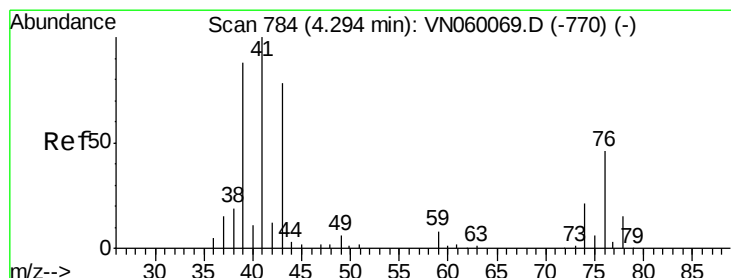
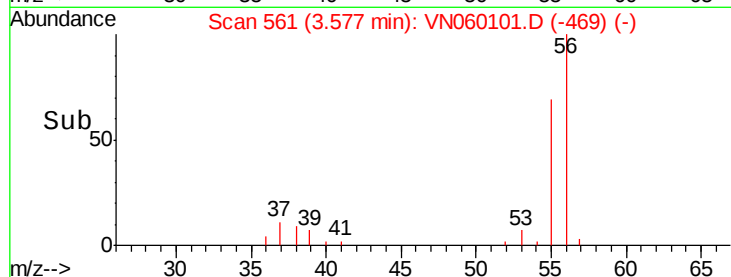
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.336 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

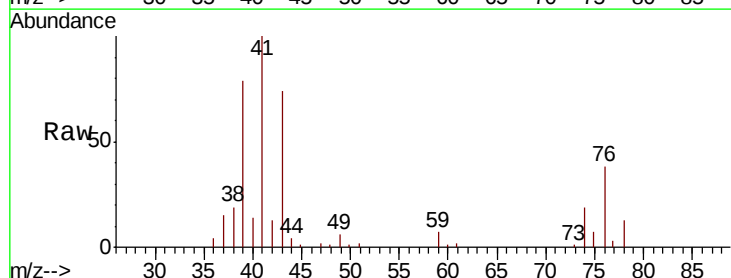
Tgt Ion: 41 Resp: 55131

Ion Ratio Lower Upper

41 100

39 83.2 67.8 101.8

76 39.7 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060101.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060101.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060101.D (-691) (-)

4.29

25000

20000

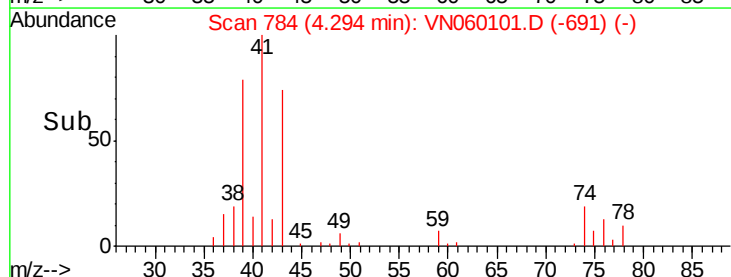
15000

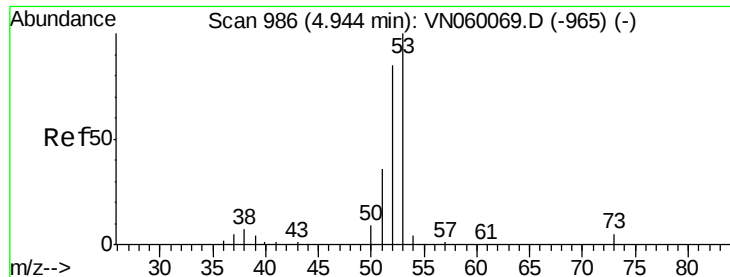
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 106.670 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :

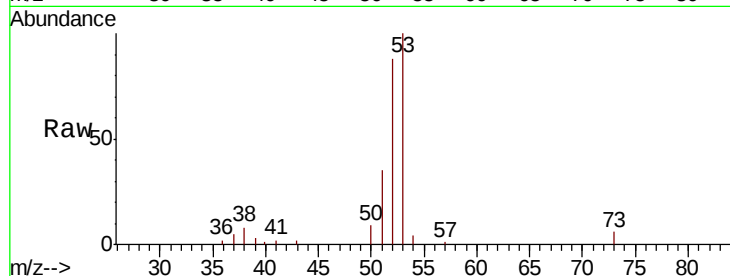
Tot Ion: 53 Resp: 92413

Ion Ratio Lower Upper

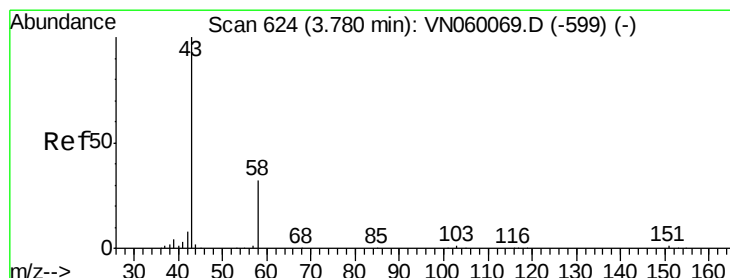
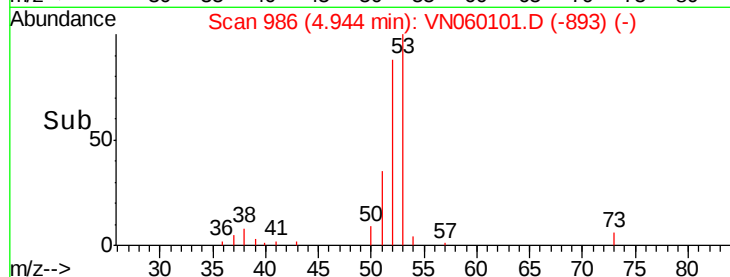
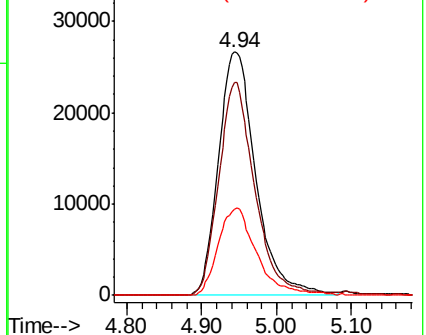
53 100

52 84.3 66.8 100.2

51 37.1 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: 94.092 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060101.D

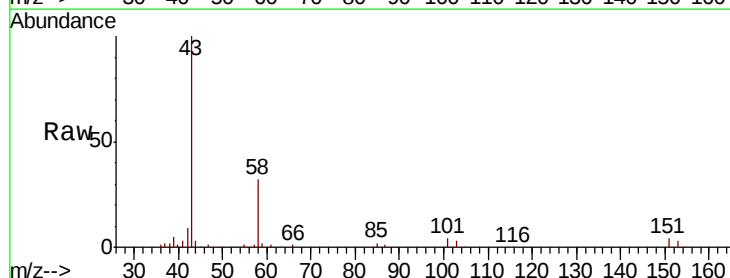
Acq: 14 Feb 2020 11:06

Tgt Ion: 43 Resp: 97295

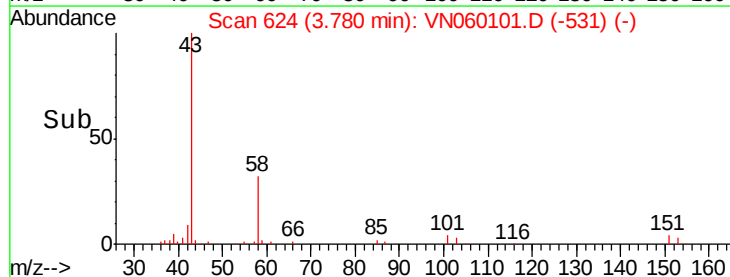
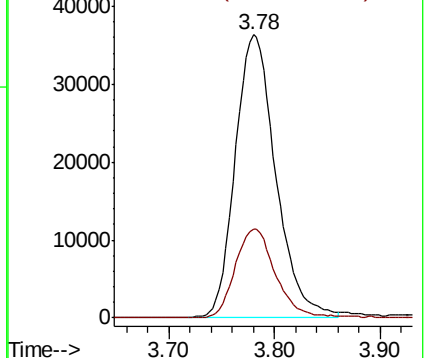
Ion Ratio Lower Upper

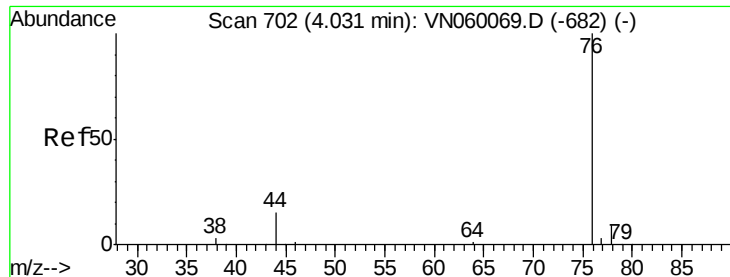
43 100

58 31.5 25.2 37.8



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

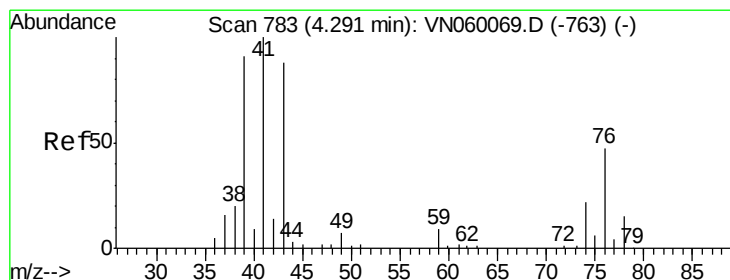
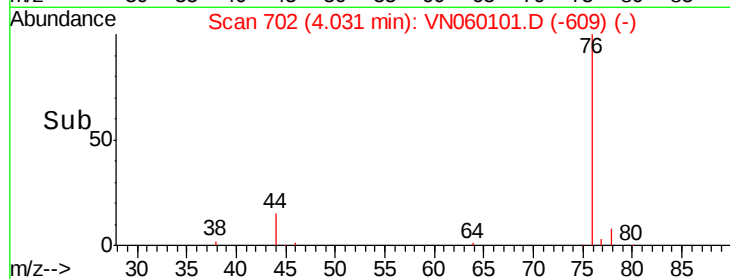
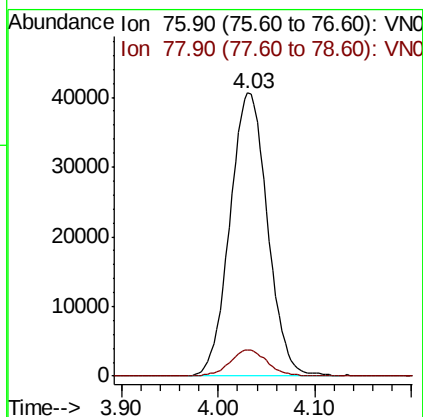
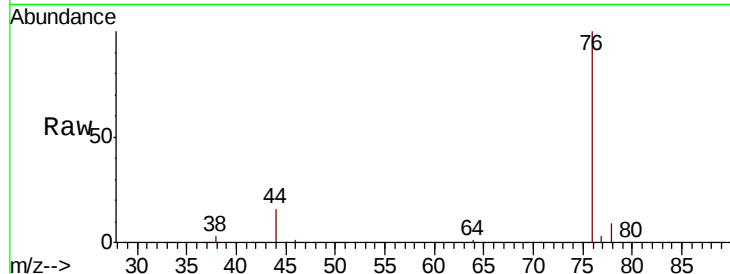




#17
Carbon Disulfide
Concen: 19.771 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

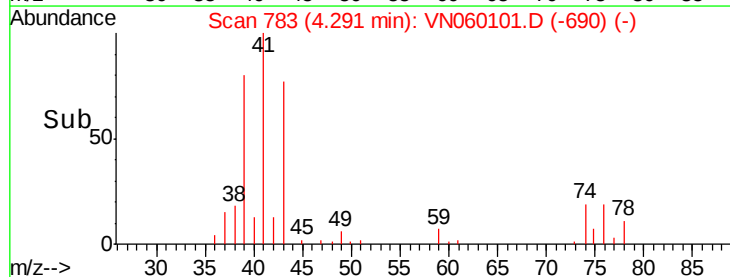
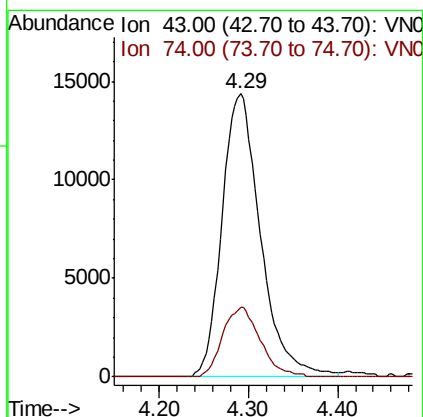
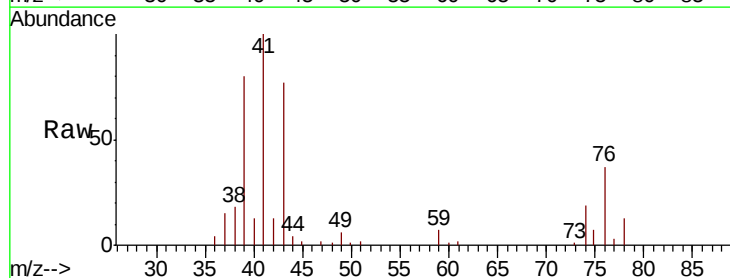
Instrument :
MSVOA_N
ClientSampleId :

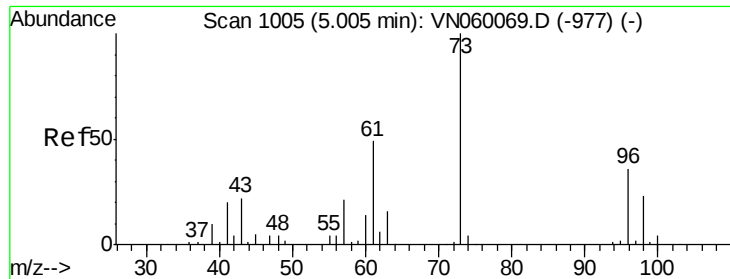
Tot Ion: 76 Resp: 109769
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 22.152 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 43 Resp: 43029
Ion Ratio Lower Upper
43 100
74 23.9 20.3 30.5

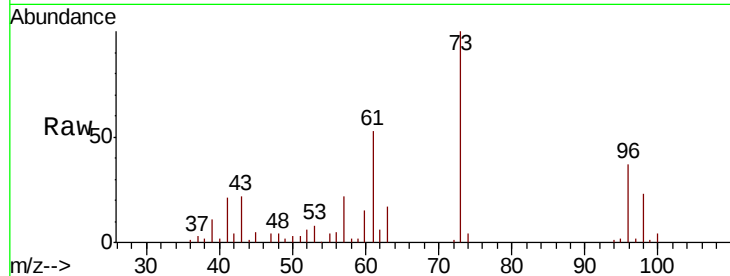




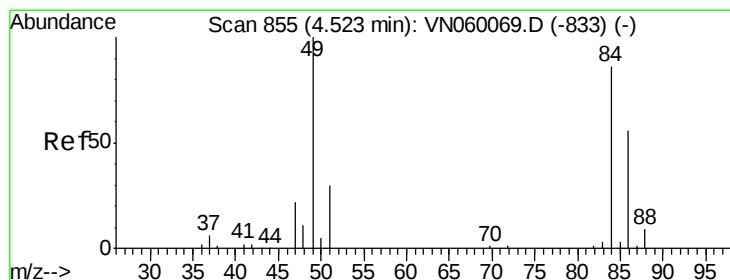
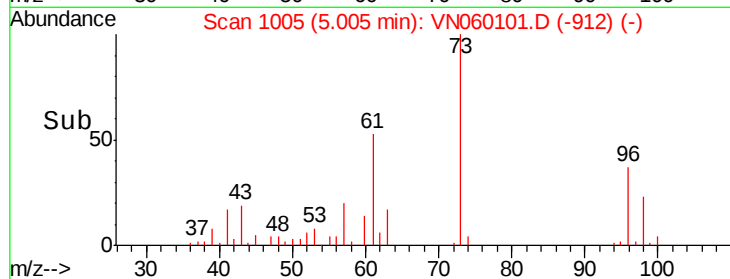
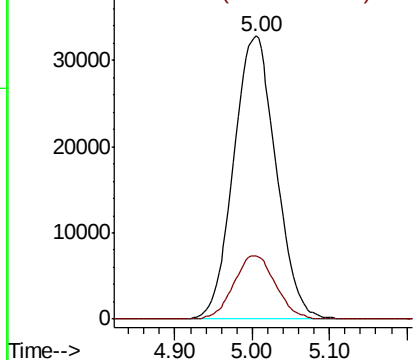
#19
Methvl tert-butvl Ether
Concen: 20.113 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 124585
Ion Ratio Lower Upper
73 100
57 22.3 17.2 25.8

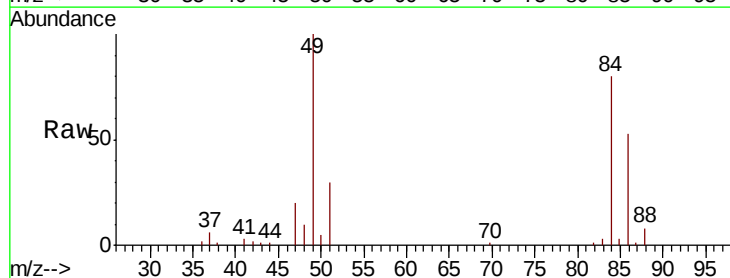


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

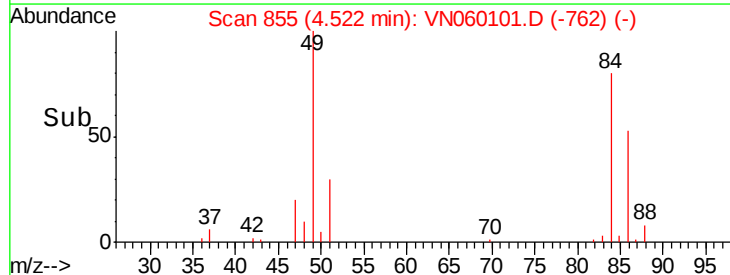
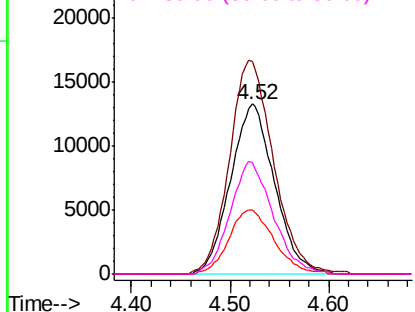


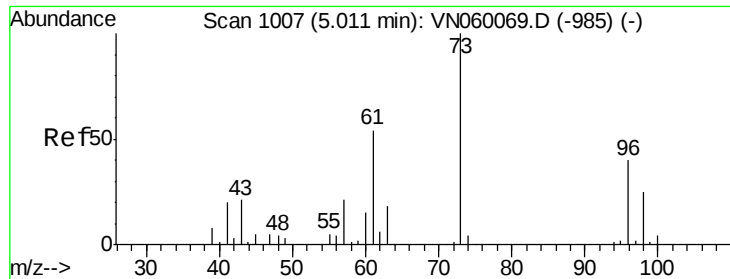
#20
Methylene Chloride
Concen: 19.910 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 84 Resp: 41074
Ion Ratio Lower Upper
84 100
49 124.7 93.4 140.0
51 37.4 28.4 42.6
86 65.6 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

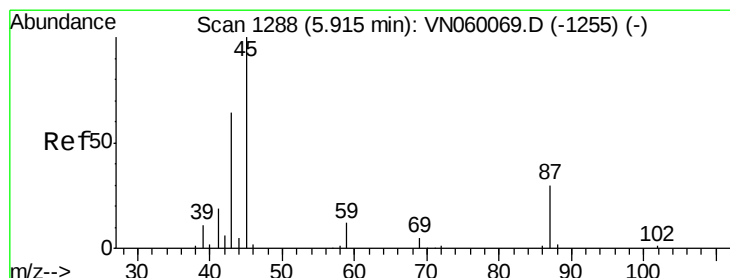
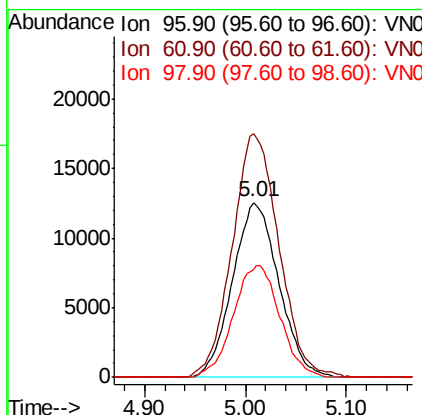
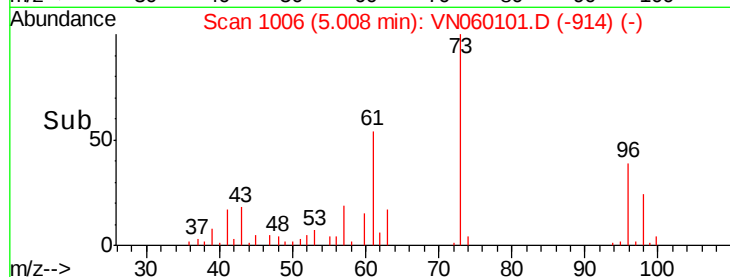
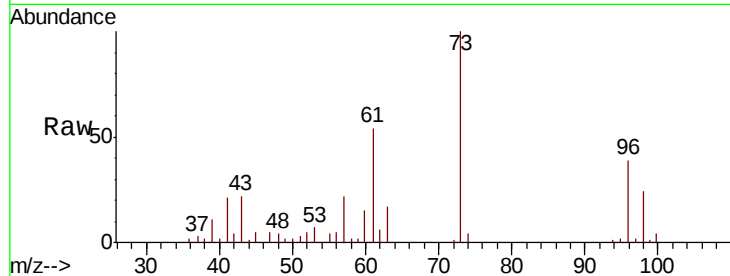




#21
trans-1,2-Dichloroethene
Concen: 19.935 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

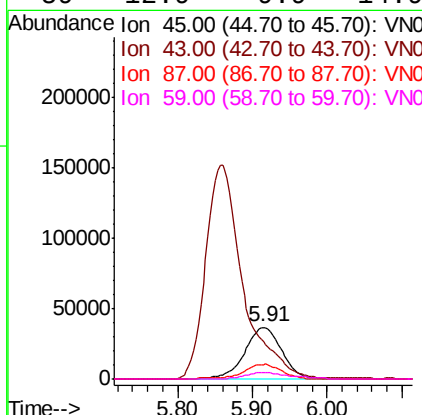
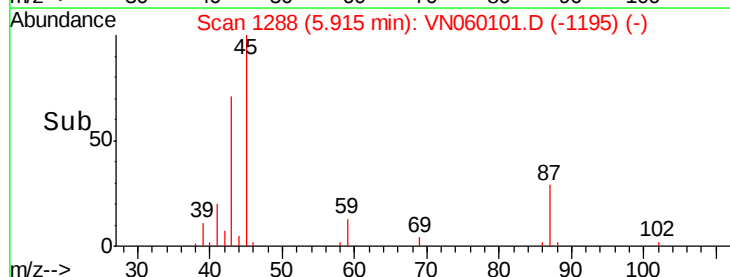
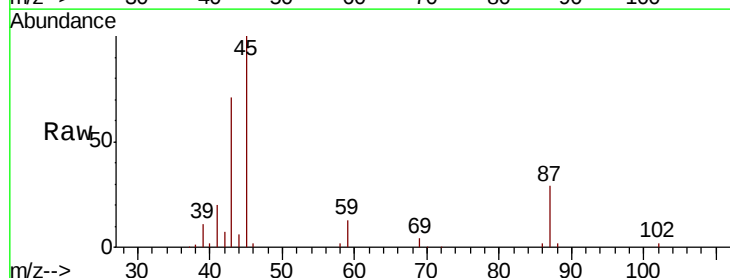
Instrument :
MSVOA_N
ClientSampled :

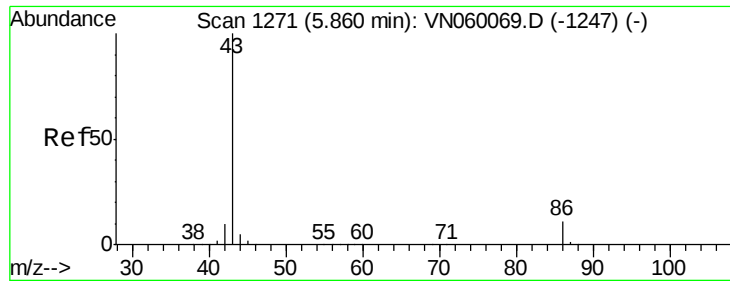
Tot Ion: 96 Resp: 40027
Ion Ratio Lower Upper
96 100
61 139.5 109.3 163.9
98 62.1 51.0 76.6



#22
Diisopropyl ether
Concen: 21.158 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 45 Resp: 125709
Ion Ratio Lower Upper
45 100
43 69.4 55.9 83.9
87 28.6 24.5 36.7
59 12.9 9.9 14.9

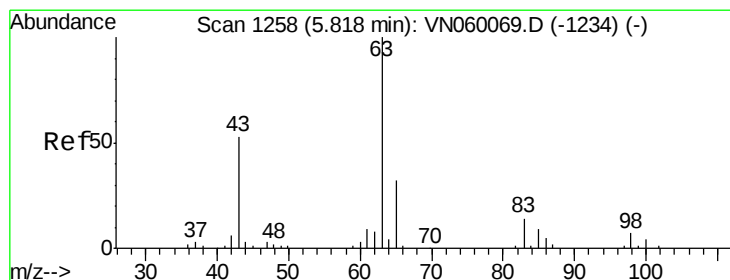
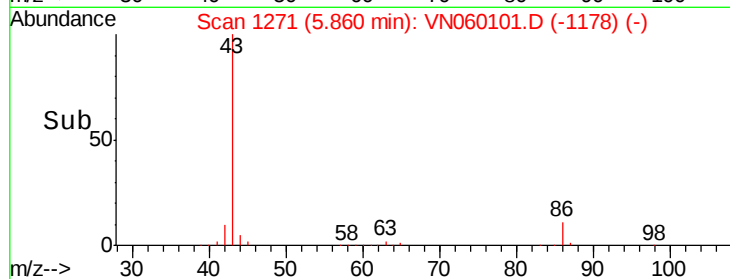
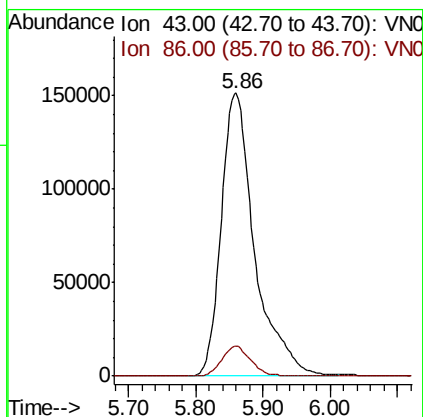
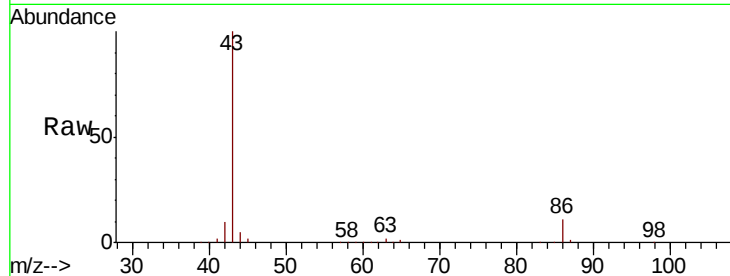




#23
 Vinyl Acetate
 Concen: 105.038 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

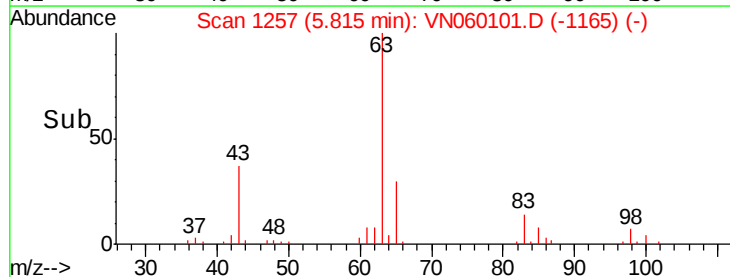
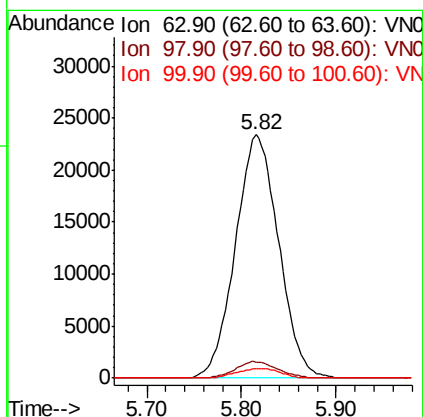
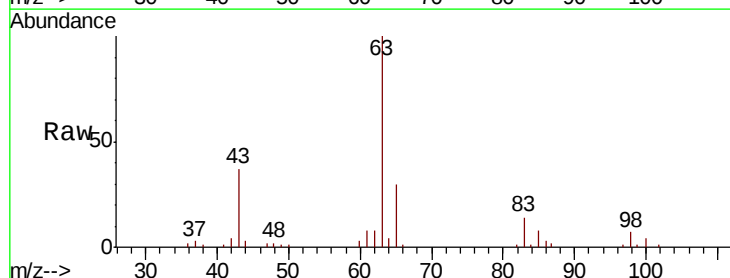
Instrument :
 MSVOA_N
 ClientSampleId :

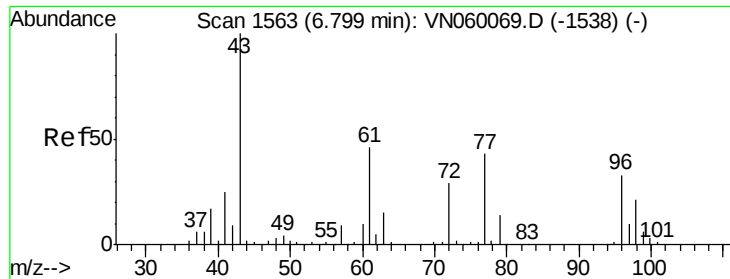
Tot Ion: 43 Resp: 524084
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 20.607 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion: 63 Resp: 74172
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.5
 100 3.7 2.2 6.6





#25

2-Butanone

Concen: 102.171 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

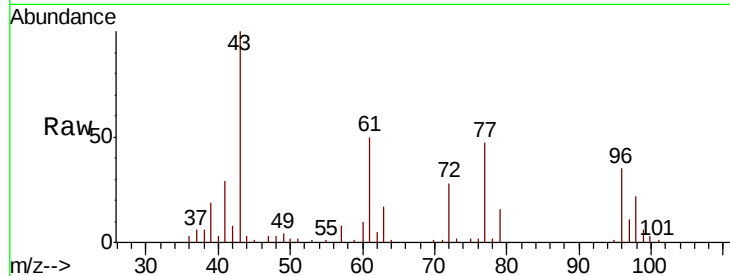
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 132873

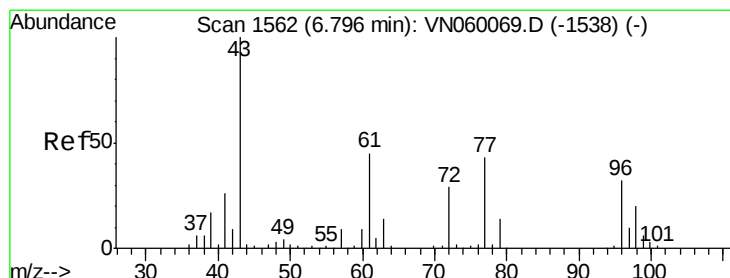
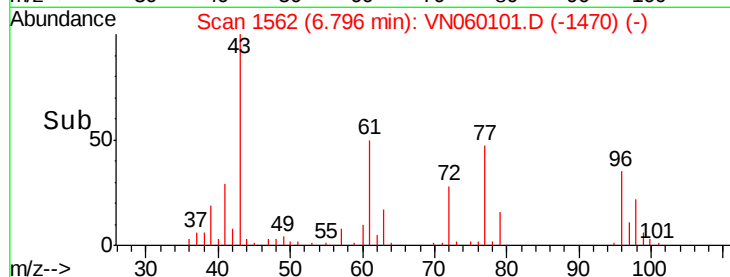
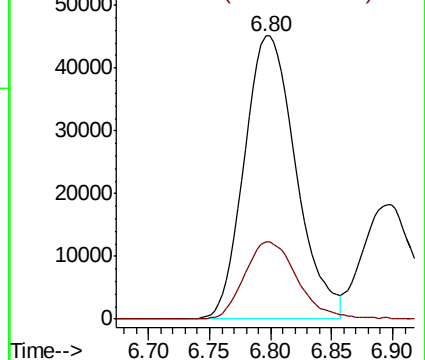
Ion Ratio Lower Upper

43 100

72 27.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060101.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 19.774 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060101.D

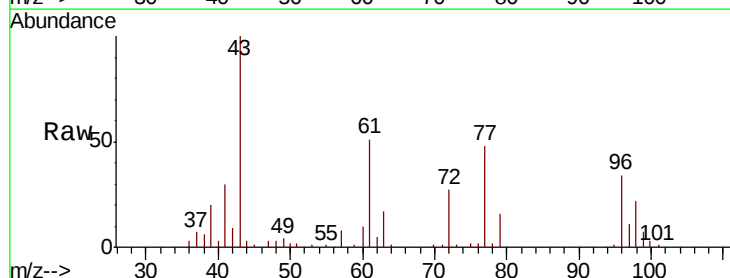
Acq: 14 Feb 2020 11:06

Tgt Ion: 77 Resp: 67600

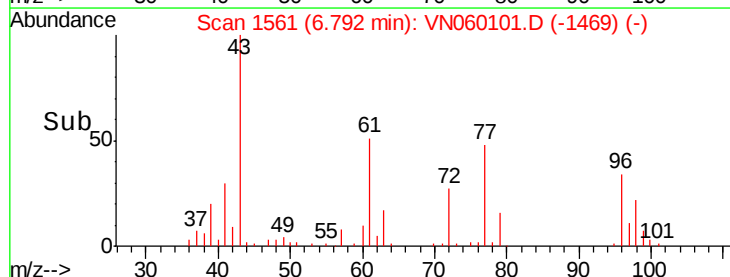
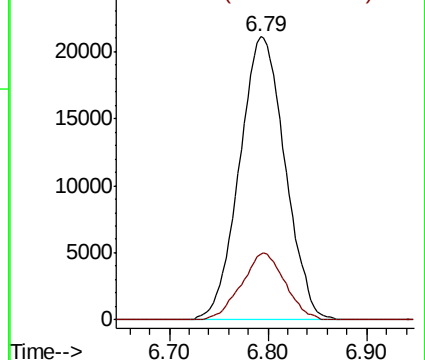
Ion Ratio Lower Upper

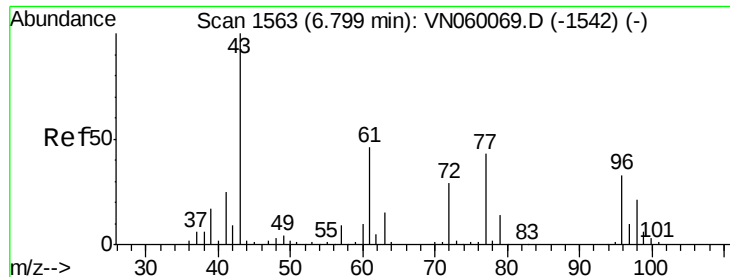
77 100

97 22.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060101.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.840 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :

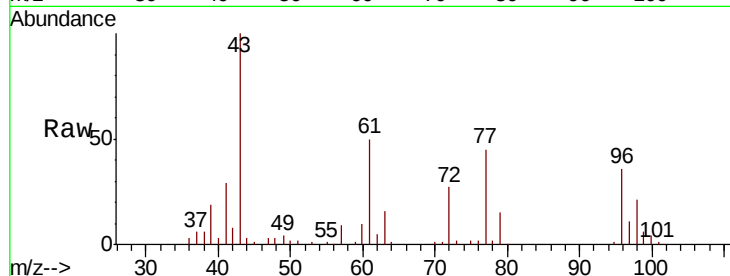
Tot Ion: 96 Resp: 46620

Ion Ratio Lower Upper

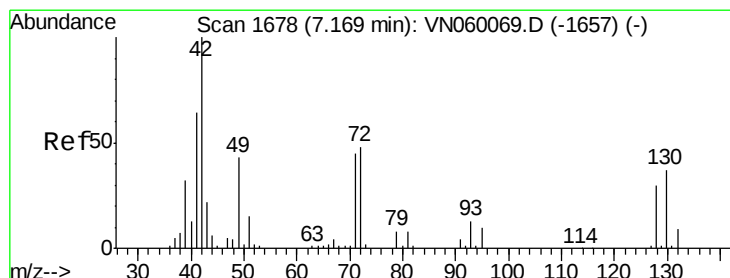
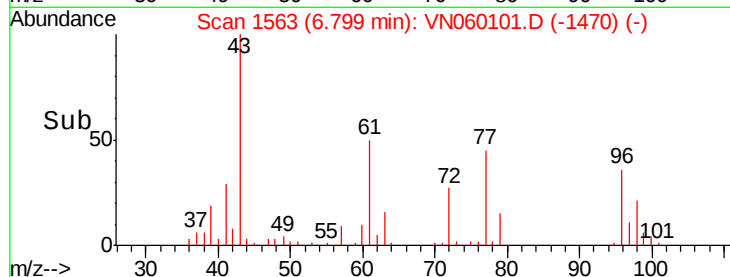
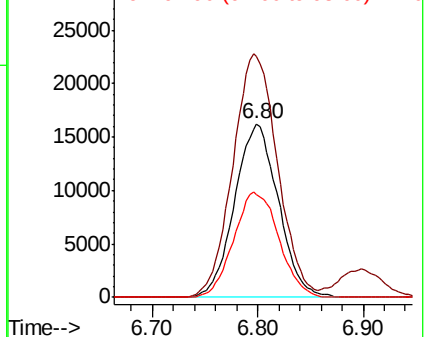
96 100

61 144.0 0.0 285.8

98 62.7 0.0 129.6



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



#28

Bromochloromethane

Concen: 21.360 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

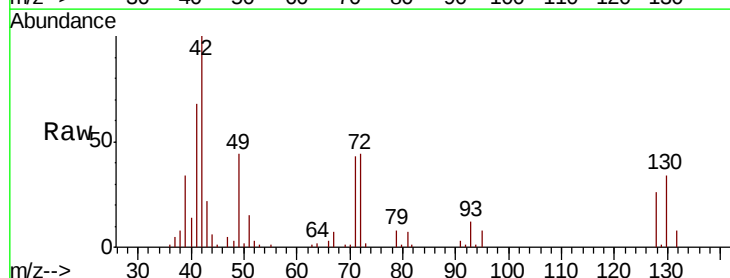
Tgt Ion: 49 Resp: 30224

Ion Ratio Lower Upper

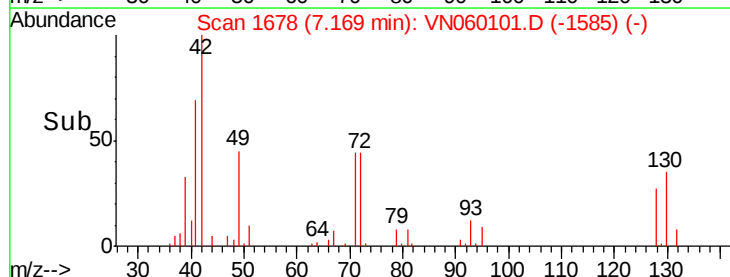
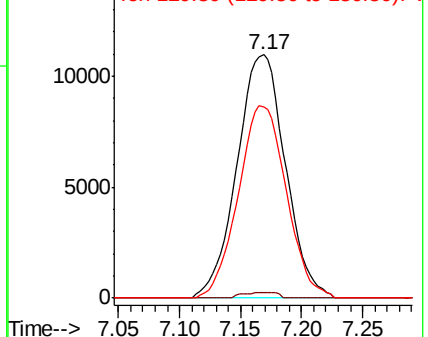
49 100

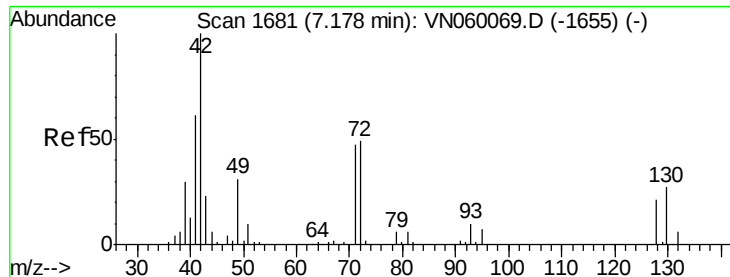
129 1.7 0.0 2.2

130 78.2 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

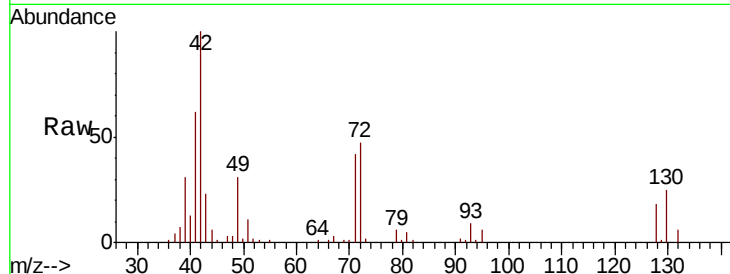




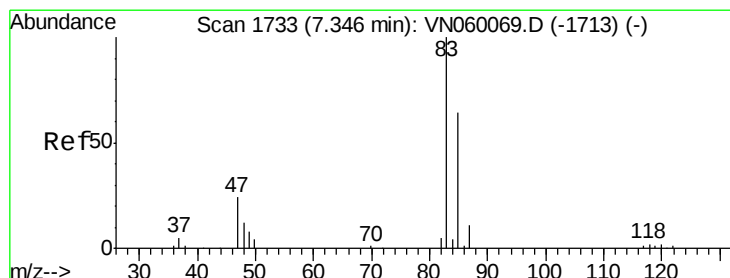
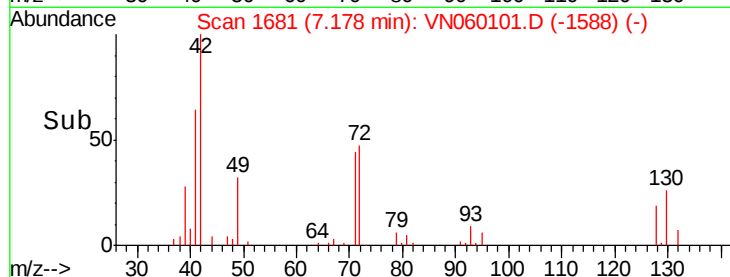
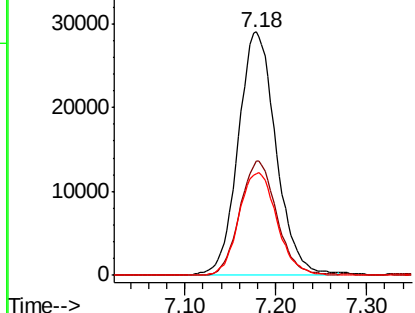
#29
Tetrahydrofuran
Concen: 105.313 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 84022
Ion Ratio Lower Upper
42 100
72 45.6 38.2 57.4
71 42.4 36.6 54.8

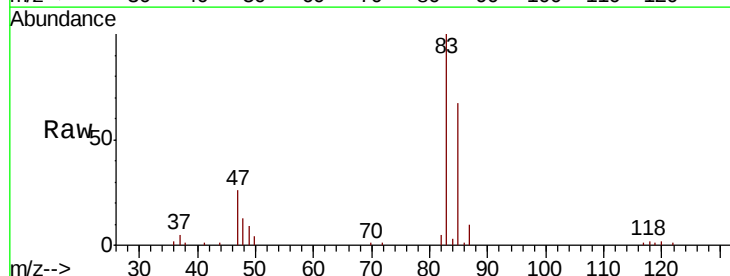


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

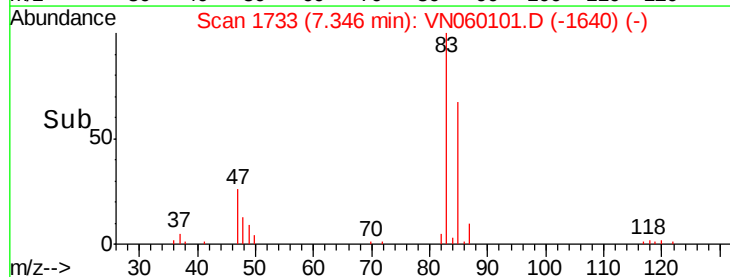
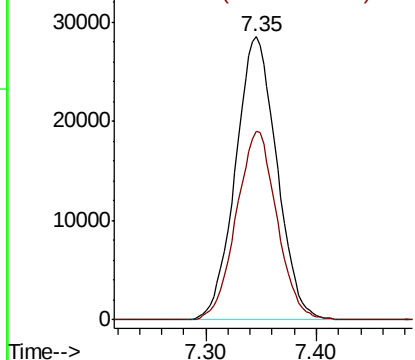


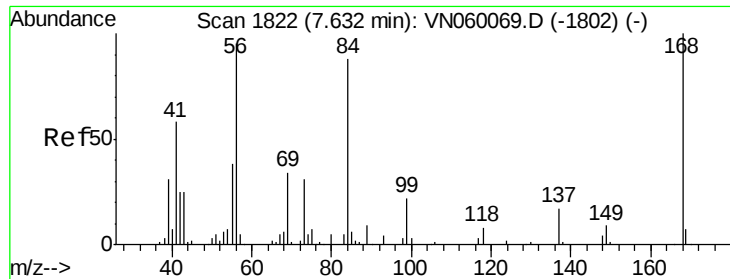
#30
Chloroform
Concen: 19.624 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 83 Resp: 73989
Ion Ratio Lower Upper
83 100
85 66.8 51.4 77.0



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

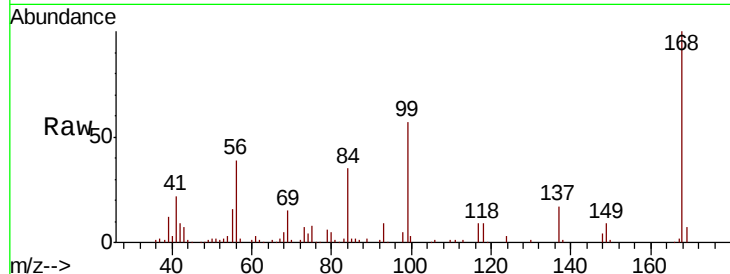




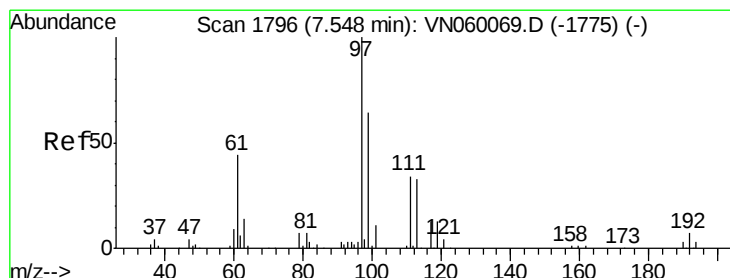
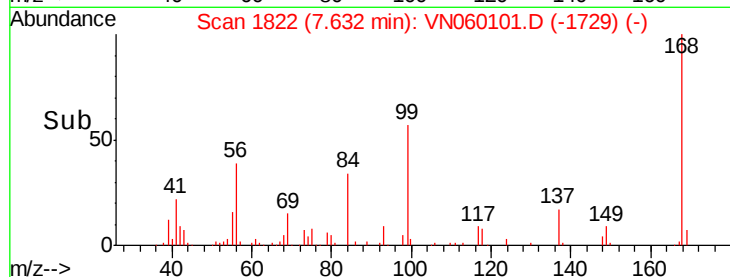
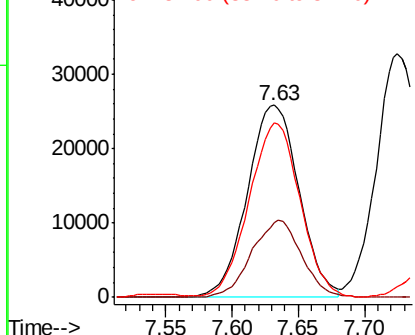
#31
Cyclohexane
Concen: 20.992 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 70383
Ion Ratio Lower Upper
56 100
69 38.7 28.3 42.5
84 90.0 72.6 108.8

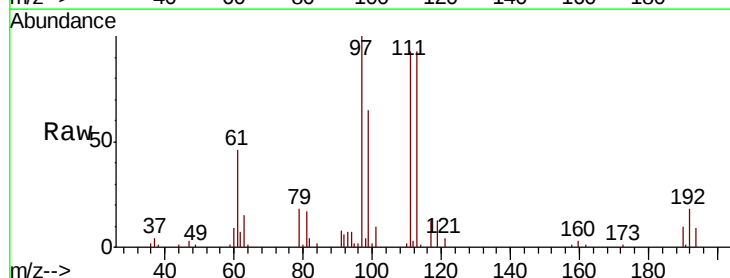


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

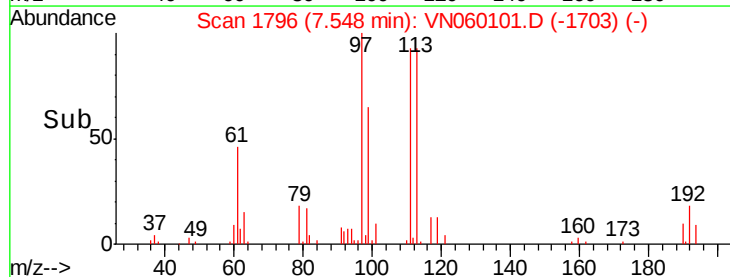
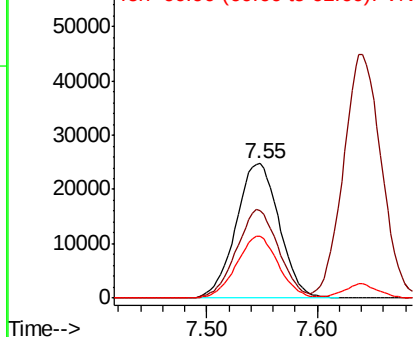


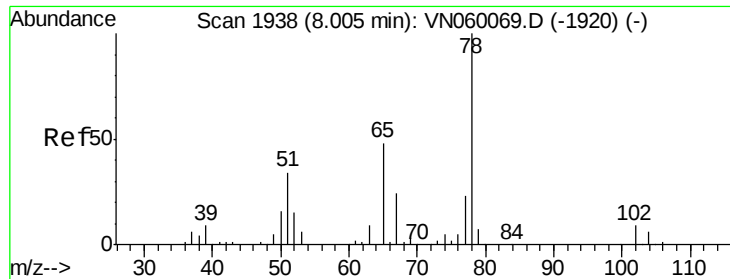
#32
1,1,1-Trichloroethane
Concen: 19.542 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 97 Resp: 67330
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 44.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

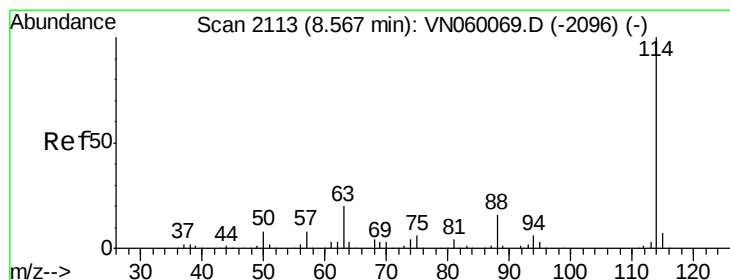
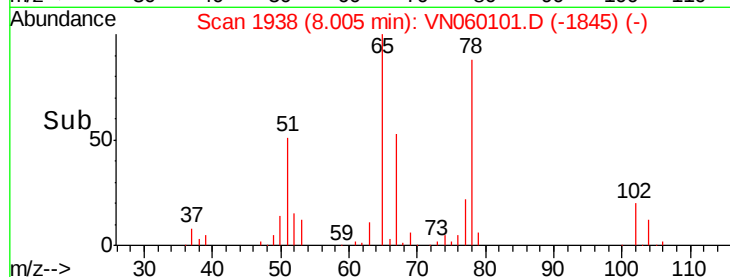
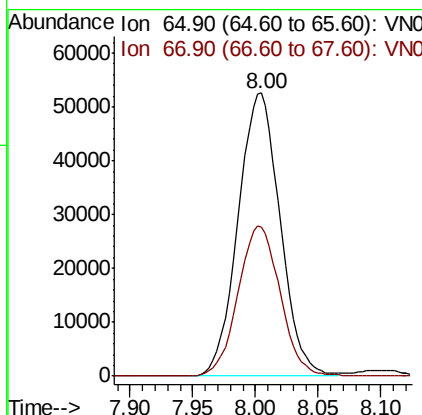
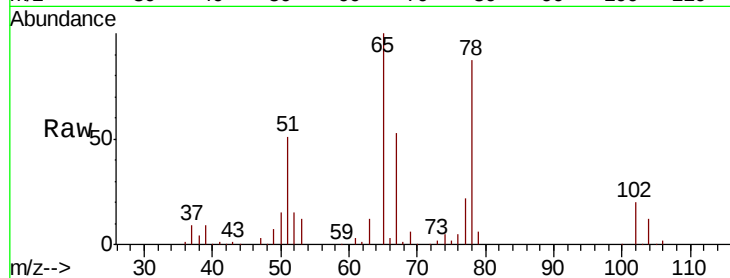




#33
 1,2-Dichloroethane-d4
 Concen: 51.754 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

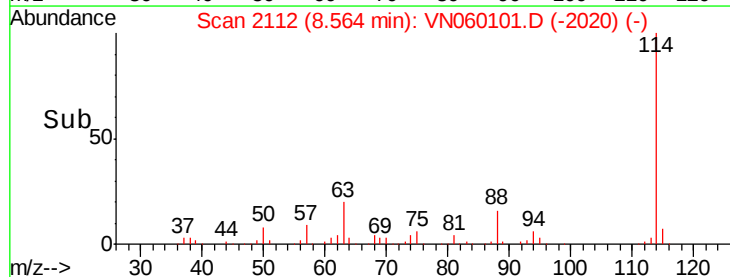
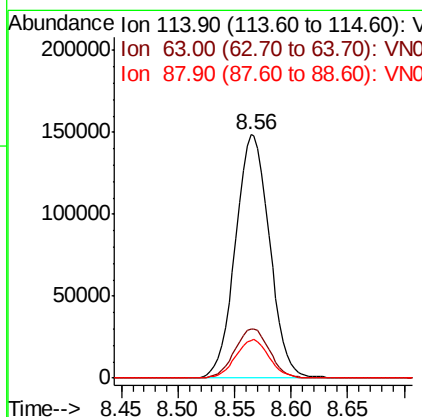
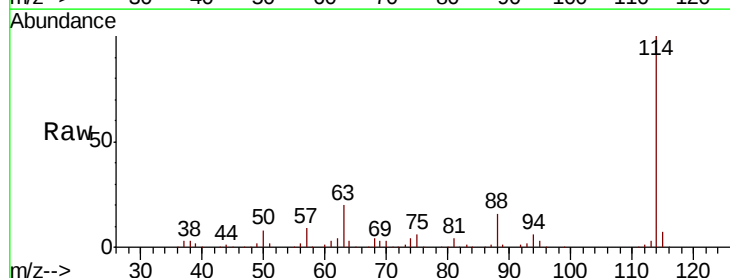
Instrument :
 MSVOA_N
 ClientSampleId :

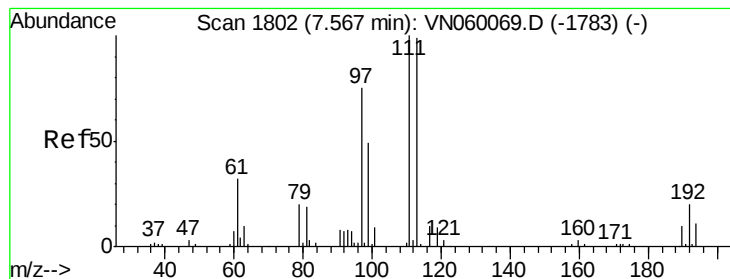
Tot Ion: 65 Resp: 122689
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion: 114 Resp: 312549
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.781 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :

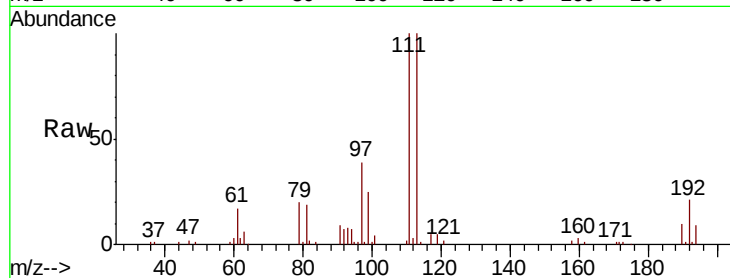
Tot Ion:113 Resp: 97562

Ion Ratio Lower Upper

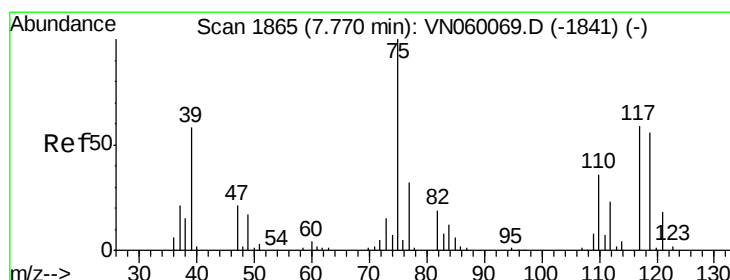
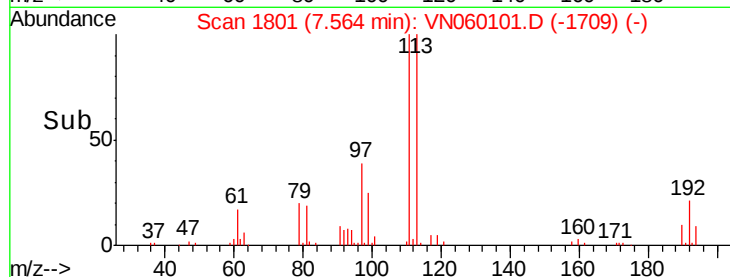
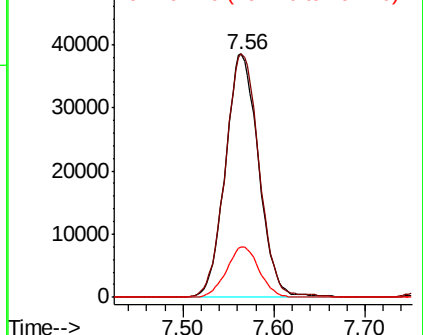
113 100

111 101.6 81.4 122.2

192 20.4 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: 19.703 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

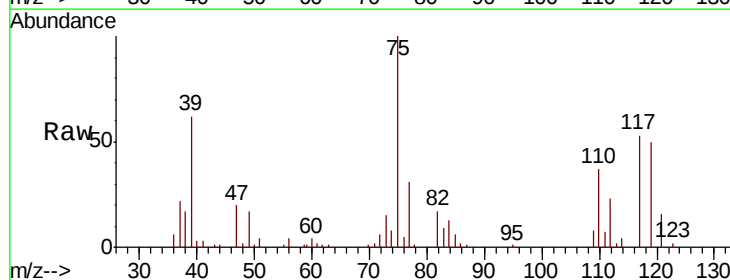
Tgt Ion: 75 Resp: 57040

Ion Ratio Lower Upper

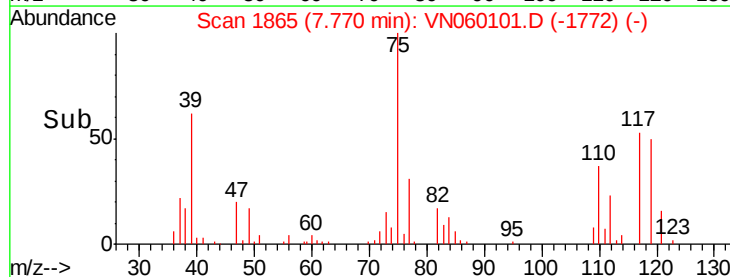
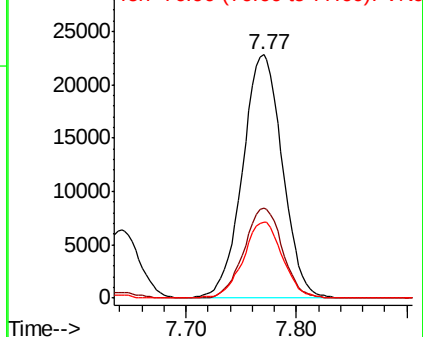
75 100

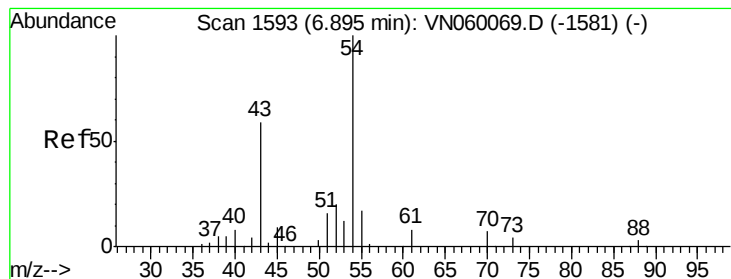
110 35.6 18.1 54.3

77 30.7 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: 20.282 ug/l

RT: 6.90 min Scan# 1593

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

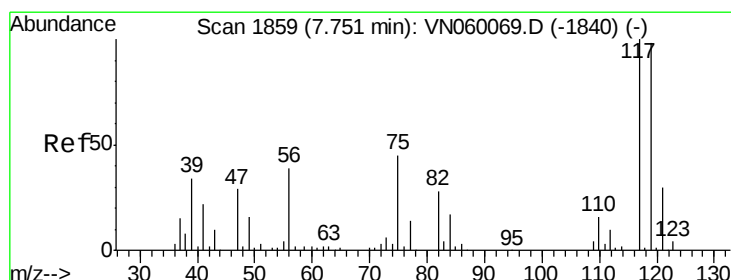
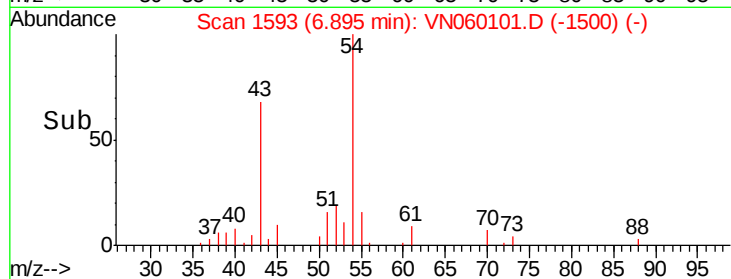
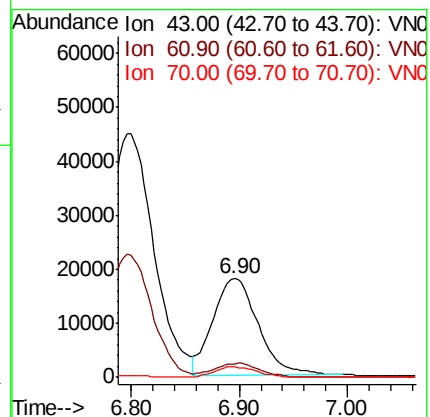
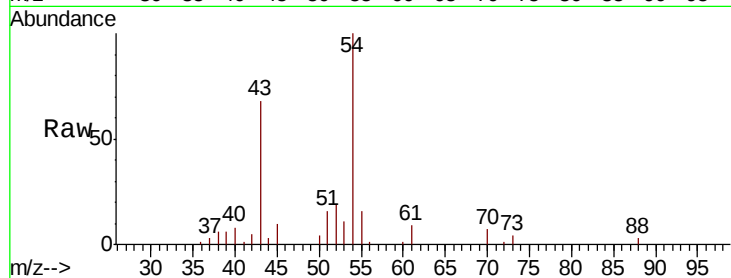
Tot Ion: 43 Resp: 53065

Ion Ratio Lower Upper

43 100

61 14.5 11.4 17.2

70 10.1 8.7 13.1



#38

Carbon Tetrachloride

Concen: 18.851 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

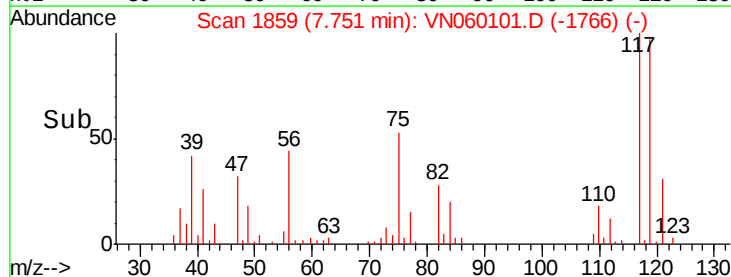
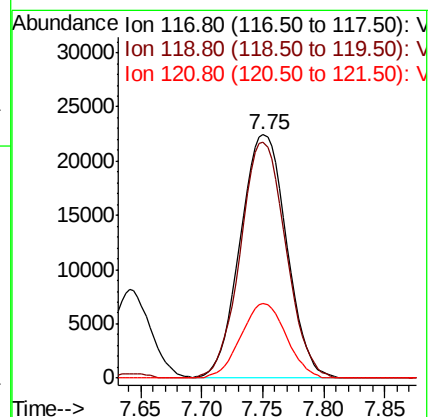
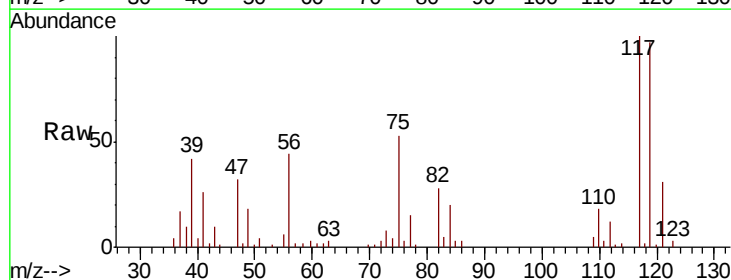
Tgt Ion: 117 Resp: 59267

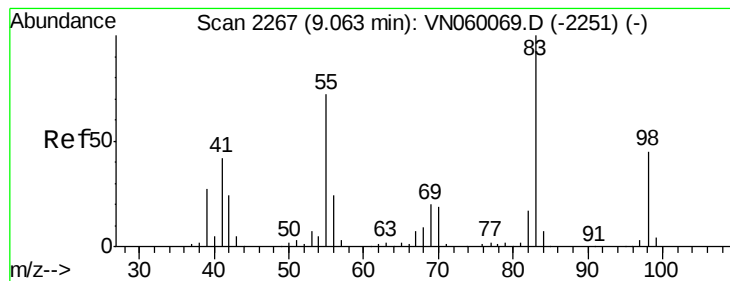
Ion Ratio Lower Upper

117 100

119 96.8 78.2 117.4

121 30.6 24.2 36.2





#39

Methvlcvclohexane

Concen: 19.542 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

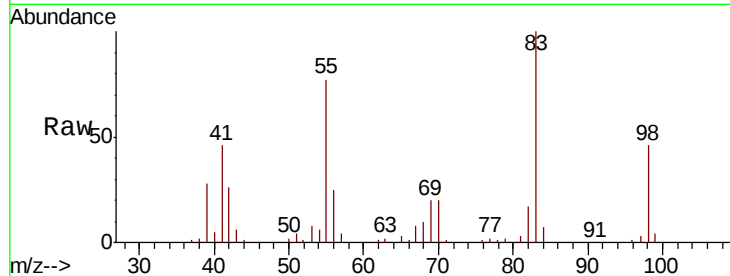
Tot Ion: 83 Resp: 70225

Ion Ratio Lower Upper

83 100

55 76.7 57.8 86.8

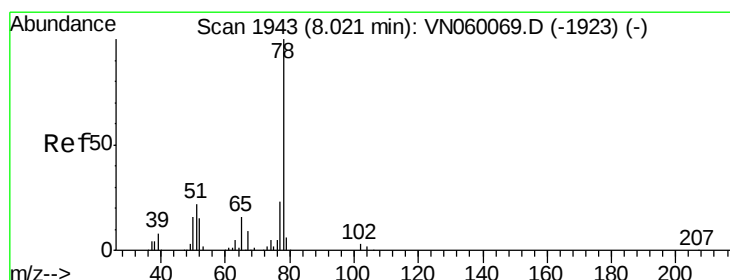
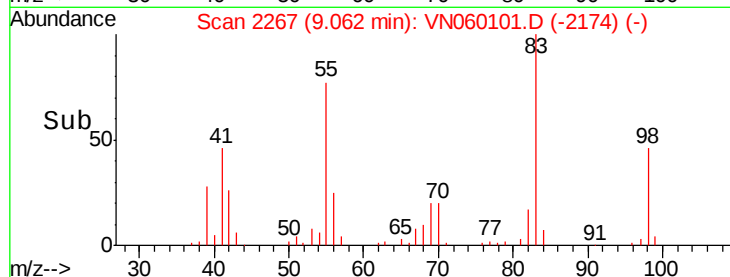
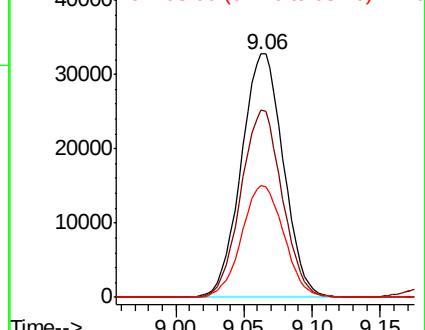
98 45.8 36.4 54.6



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: 19.512 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060101.D

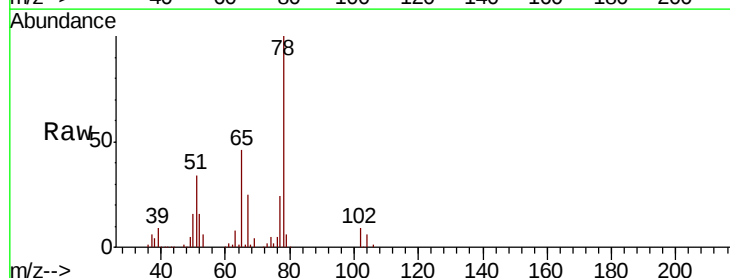
Acq: 14 Feb 2020 11:06

Tgt Ion: 78 Resp: 167562

Ion Ratio Lower Upper

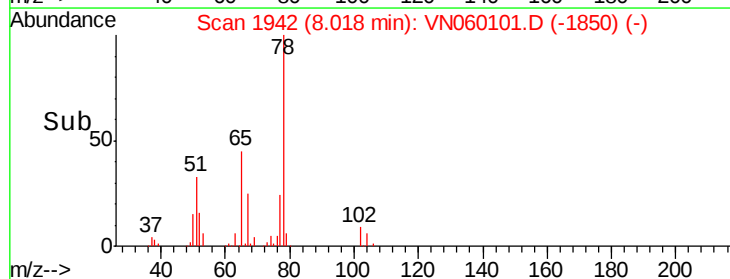
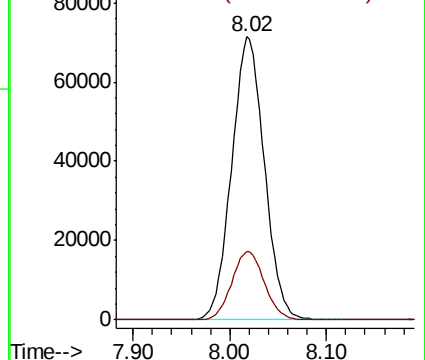
78 100

77 24.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

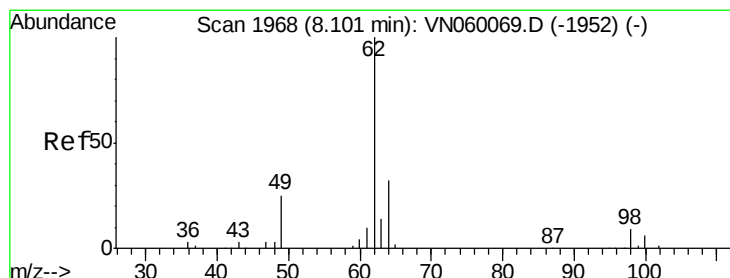
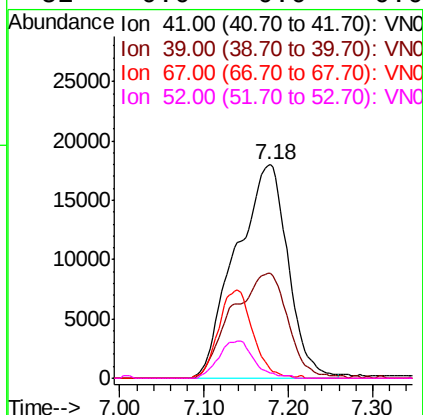
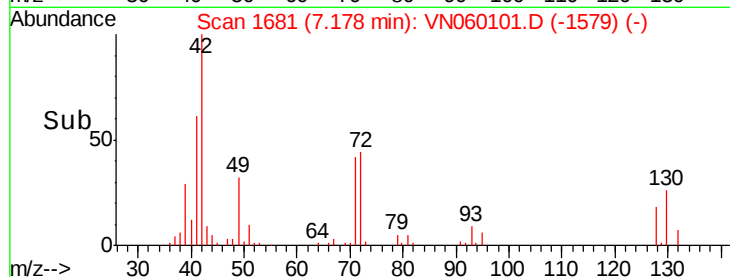
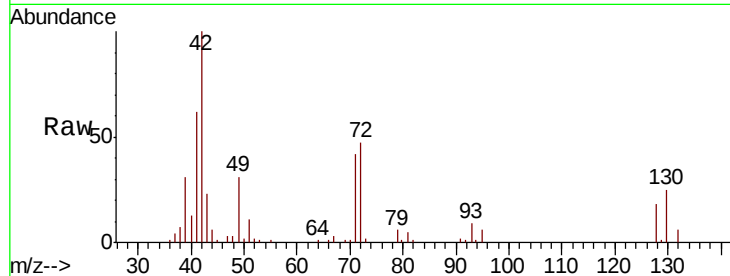




#41
Methacrylonitrile
Concen: 70.251 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

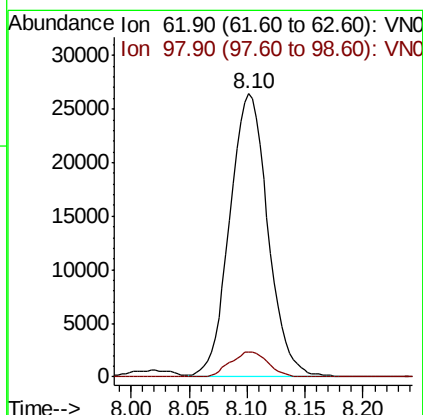
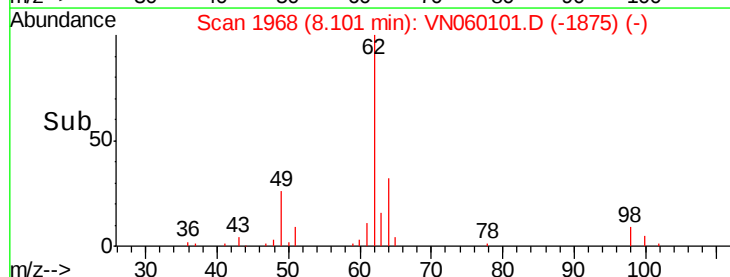
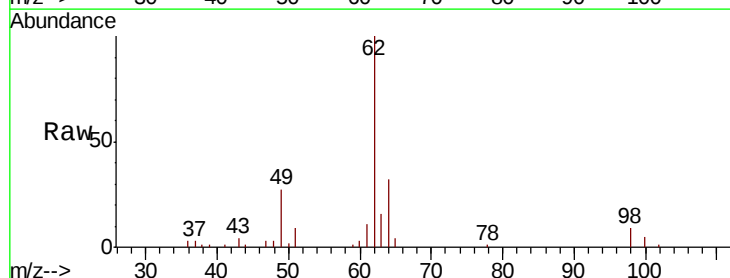
Instrument :
MSVOA_N
ClientSampled :

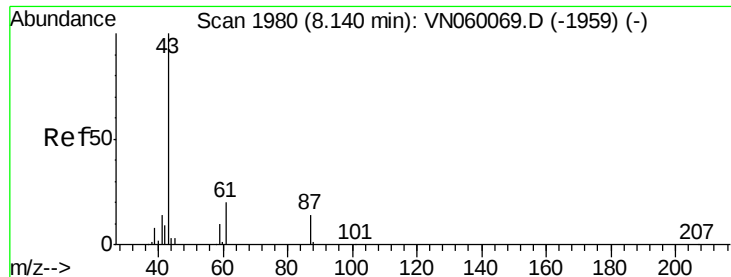
Tot Ion: 41 Resp: 77082
Ion Ratio Lower Upper
41 100
39 52.5 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.074 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 62 Resp: 60418
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.2

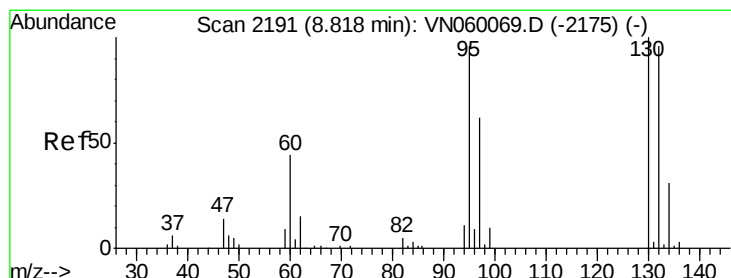
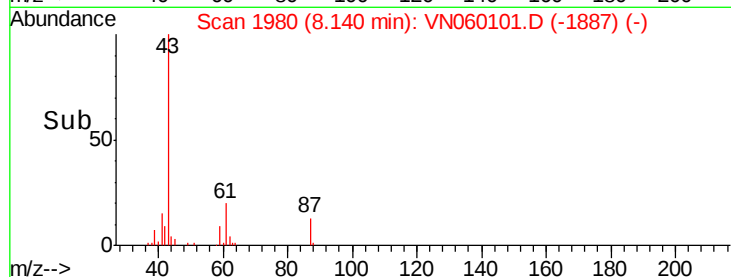
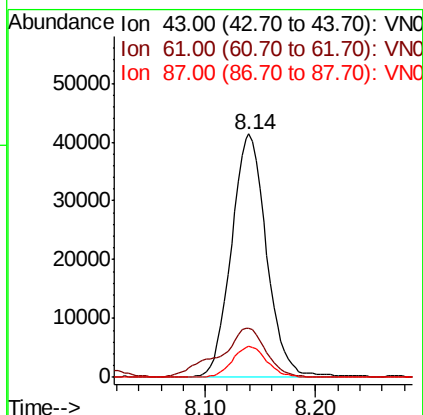
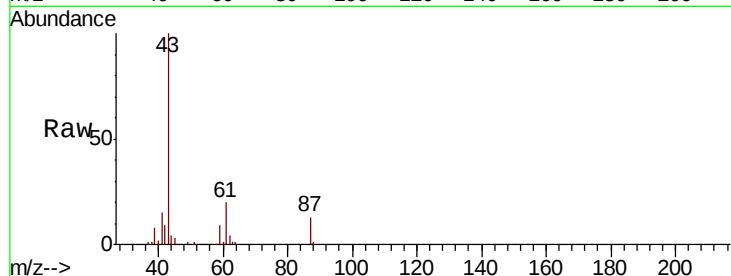




#43
Isopropyl Acetate
Concen: 20.392 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

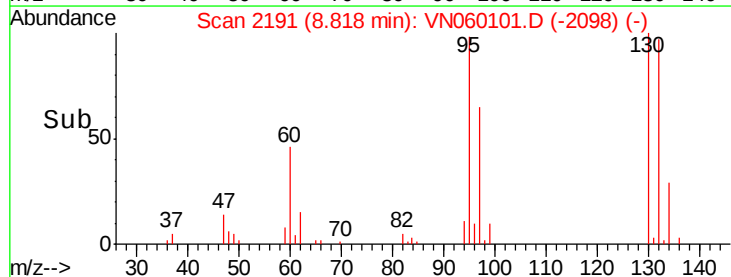
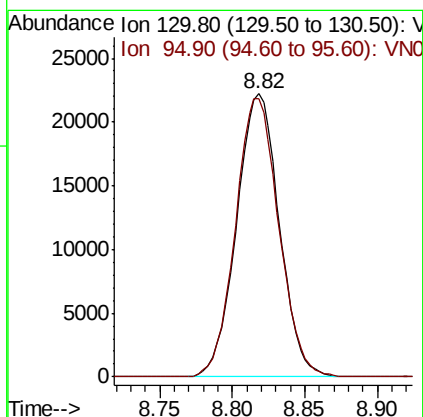
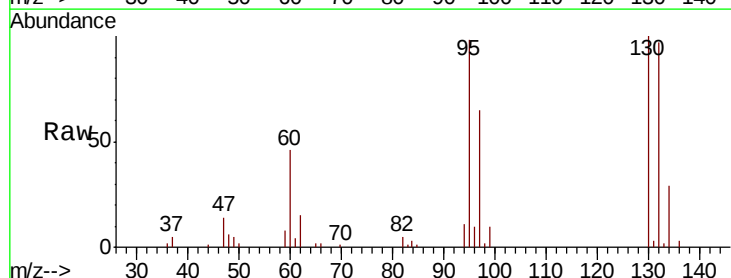
Instrument :
MSVOA_N
ClientSampled :

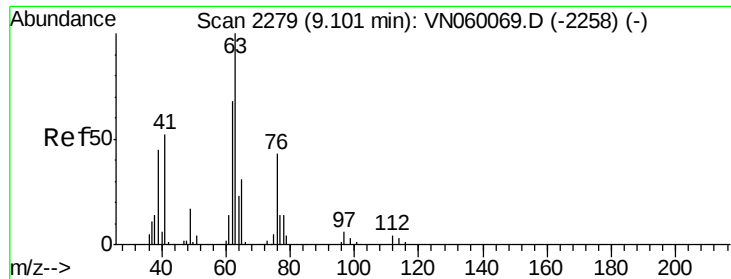
Tot Ion: 43 Resp: 91201
Ion Ratio Lower Upper
43 100
61 26.8 21.8 32.6
87 12.5 11.4 17.2



#44
Trichloroethene
Concen: 19.142 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion:130 Resp: 45517
Ion Ratio Lower Upper
130 100
95 98.4 0.0 192.4

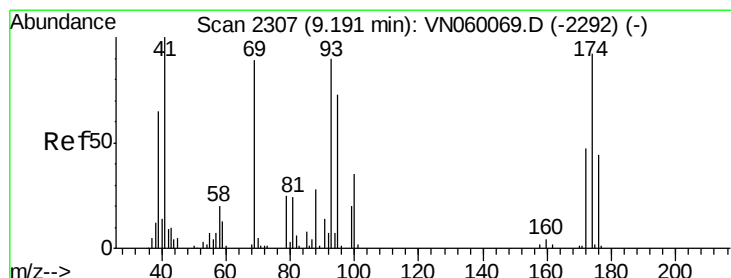
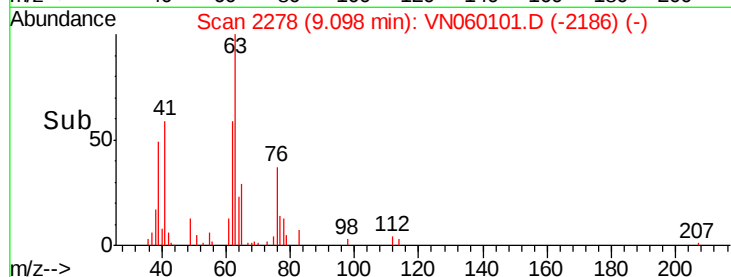
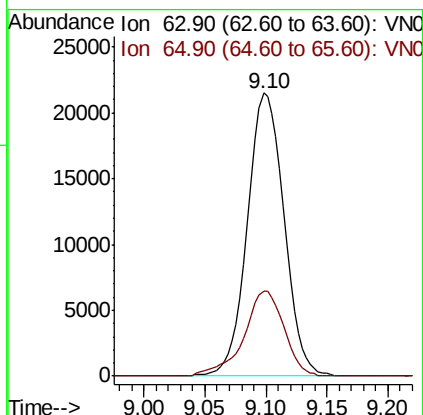
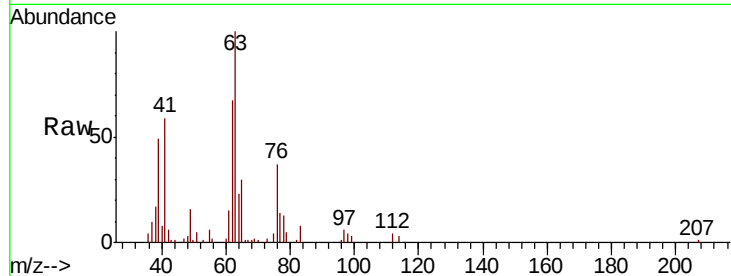




#45
 1,2-Dichloropropane
 Concen: 21.034 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

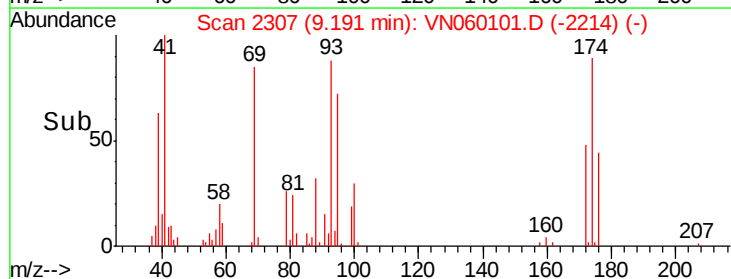
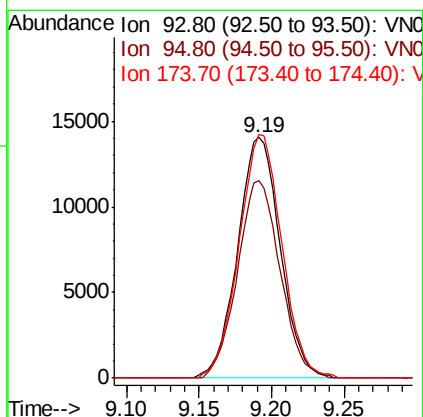
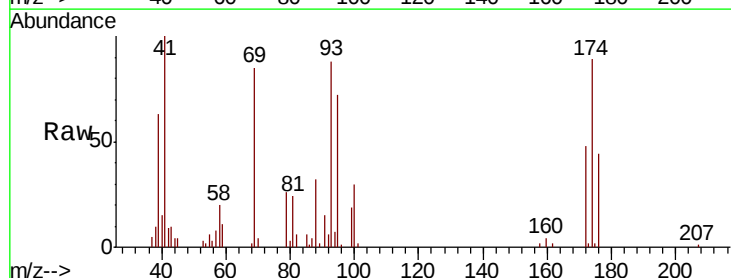
Instrument :
 MSVOA_N
 ClientSampleId :

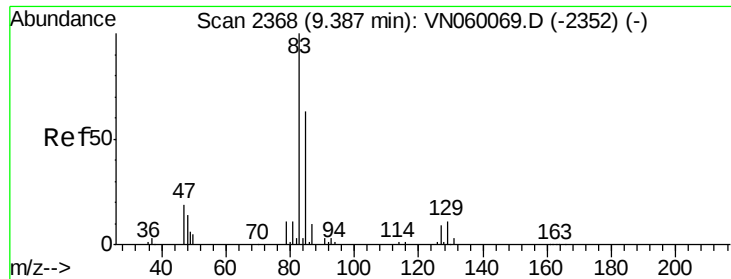
Tot Ion: 63 Resp: 44720
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4



#46
 Dibromomethane
 Concen: 19.154 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion: 93 Resp: 28777
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 101.3 82.3 123.5

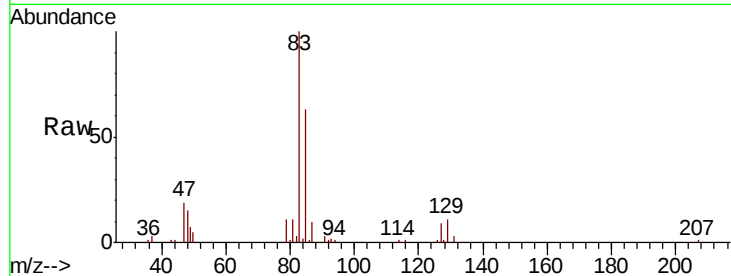




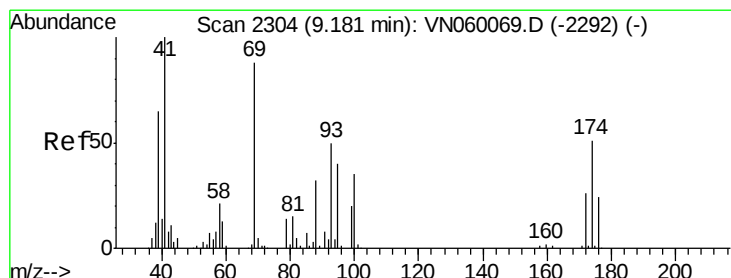
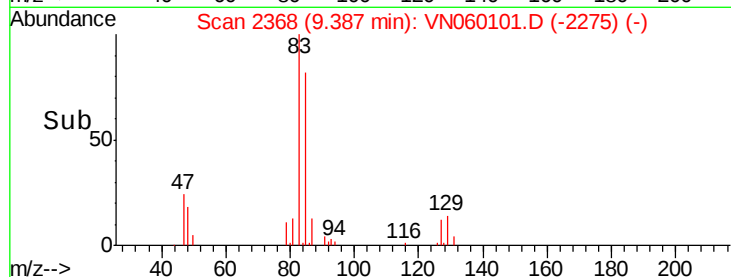
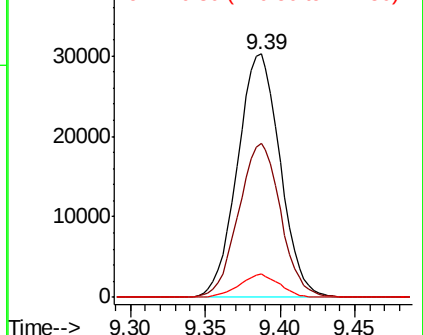
#47
 Bromodichloromethane
 Concen: 19.623 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 59940
 Ion Ratio Lower Upper
 83 100
 85 63.1 50.6 75.8
 127 9.4 7.0 10.6

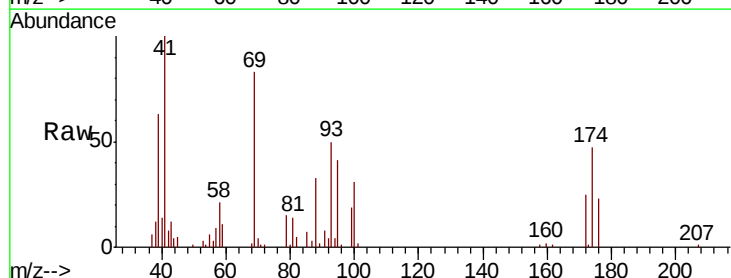


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

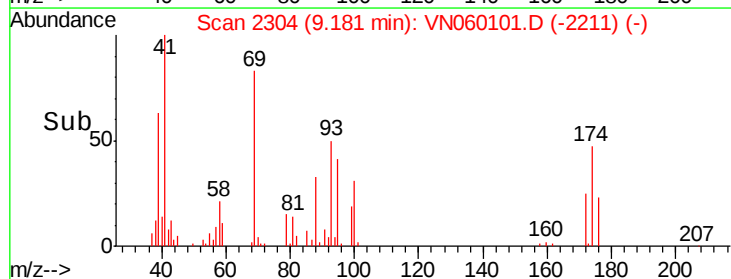
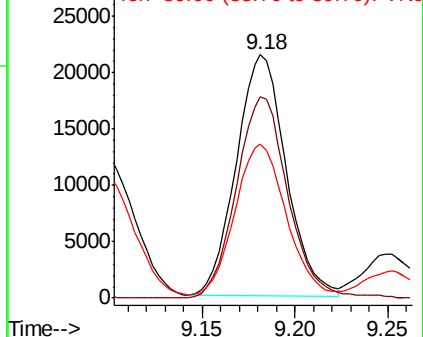


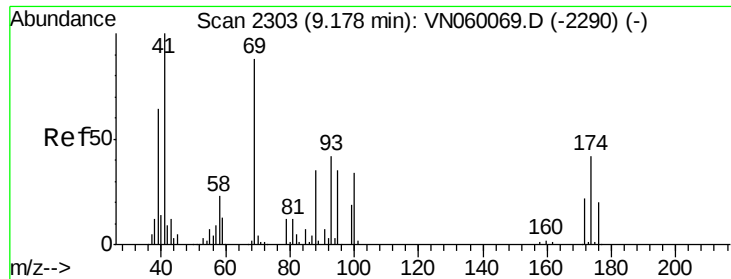
#48
 Methyl methacrylate
 Concen: 19.924 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion: 41 Resp: 39980
 Ion Ratio Lower Upper
 41 100
 69 86.7 72.0 108.0
 39 64.3 54.1 81.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

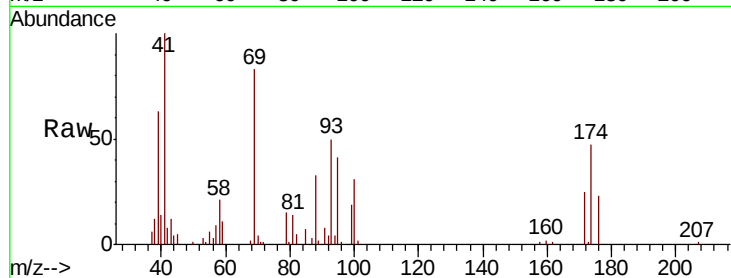




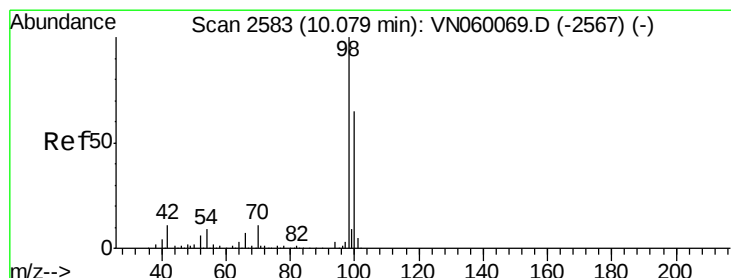
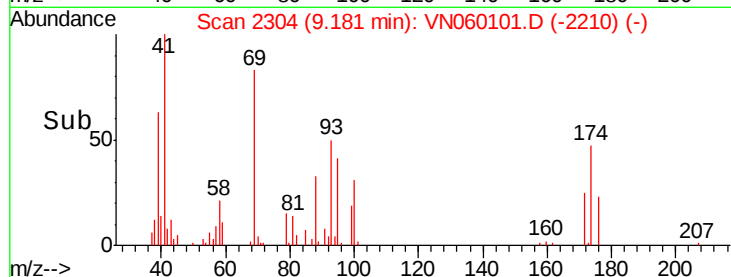
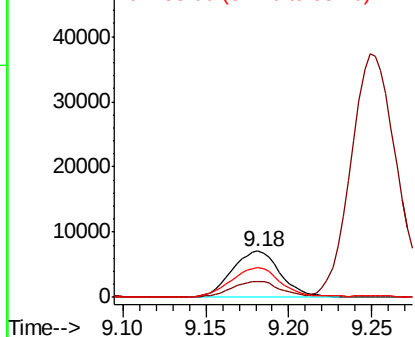
#49
1,4-Dioxane
Concen: 420.497 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 14417
Ion Ratio Lower Upper
88 100
43 34.3 26.2 39.2
58 66.5 53.2 79.8

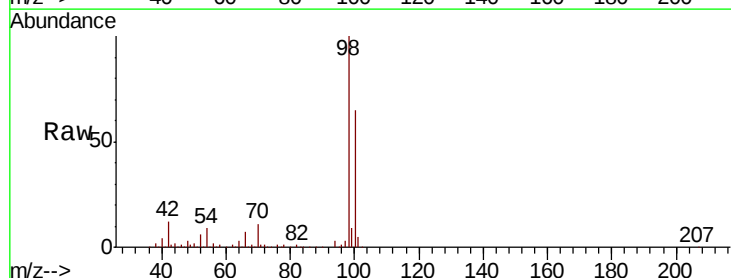


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

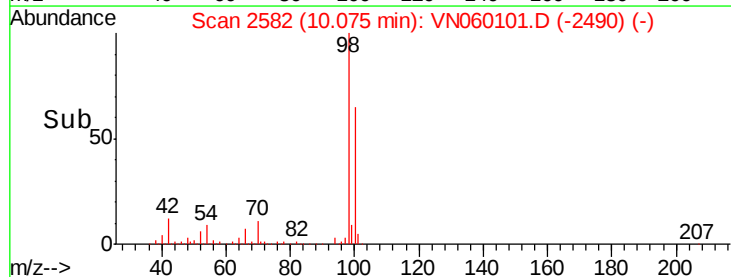
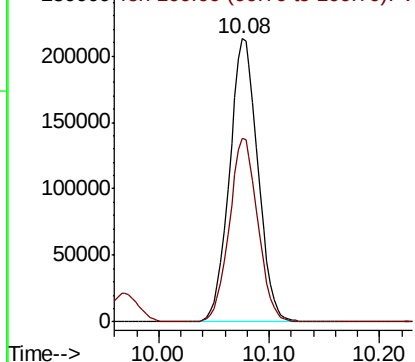


#50
Toluene-d8
Concen: 50.159 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion: 98 Resp: 379493
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: 102.208 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

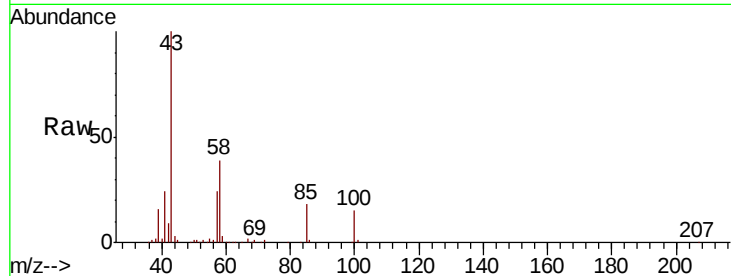
ClientSampleId :

Tot Ion: 43 Resp: 264592

Ion Ratio Lower Upper

43 100

58 38.9 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

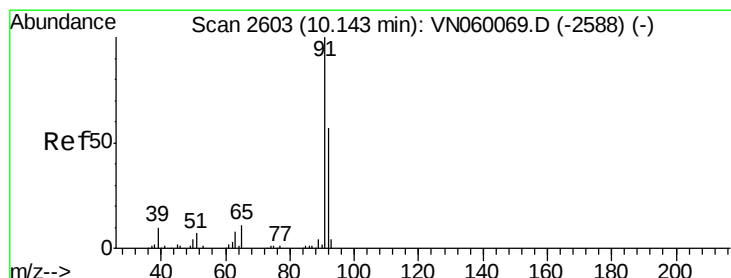
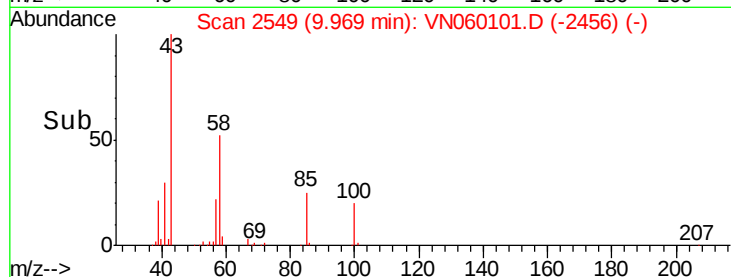
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.247 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060101.D

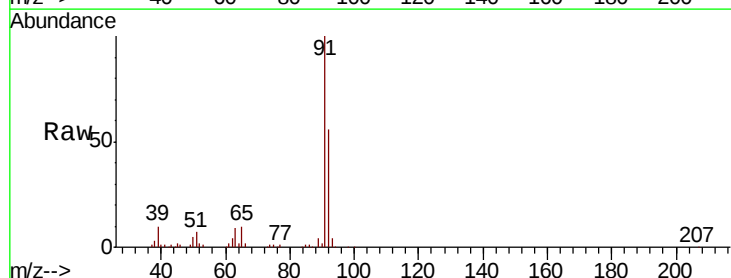
Acq: 14 Feb 2020 11:06

Tgt Ion: 92 Resp: 105993

Ion Ratio Lower Upper

92 100

91 177.1 140.9 211.3



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

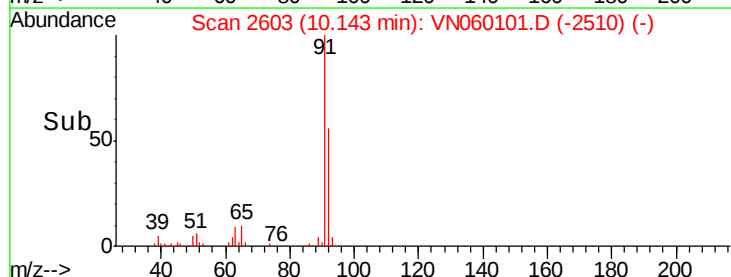
60000

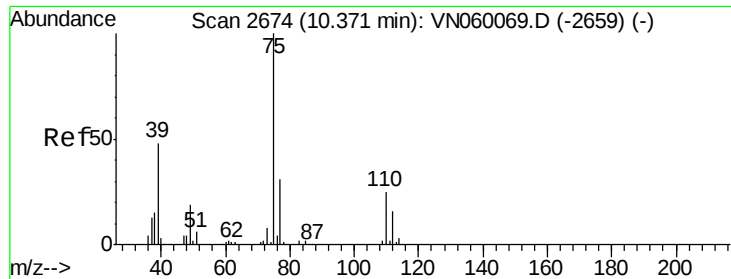
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.538 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

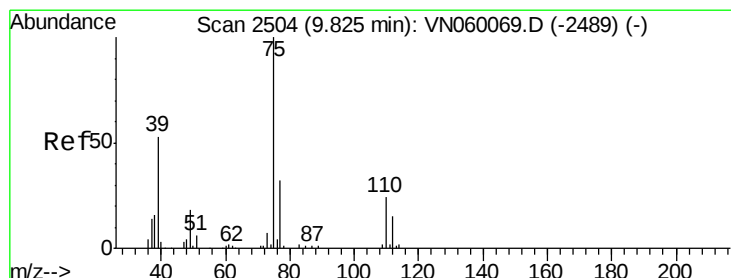
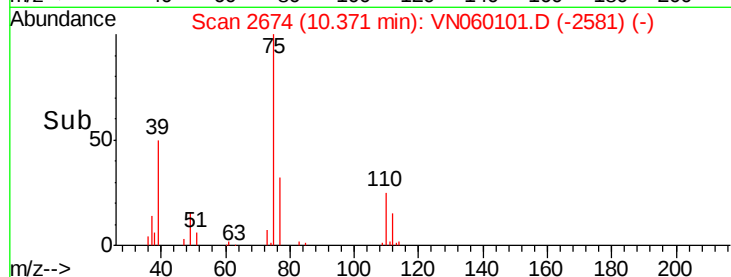
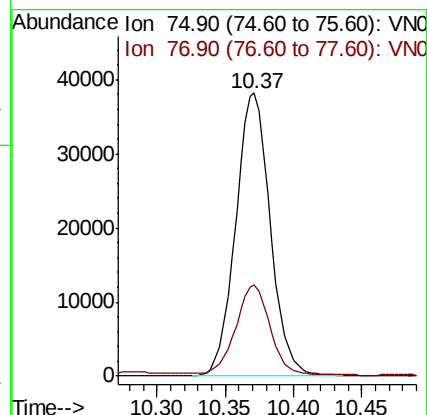
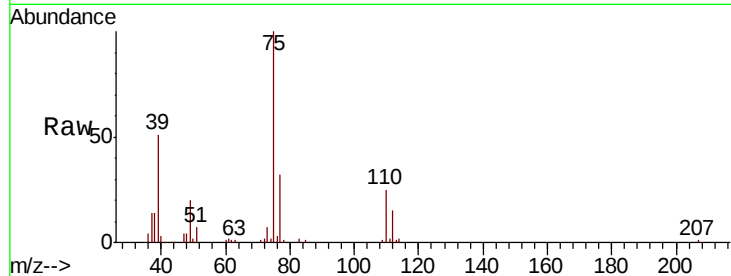
ClientSampleId :

Tot Ion: 75 Resp: 67363

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.071 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

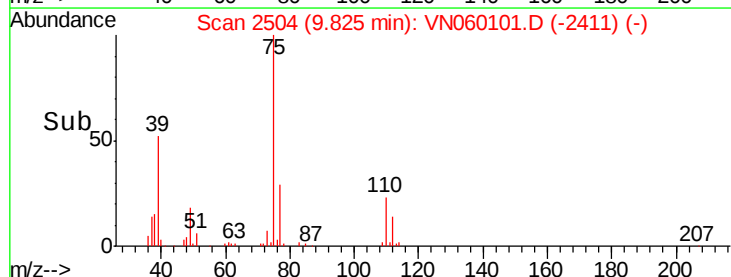
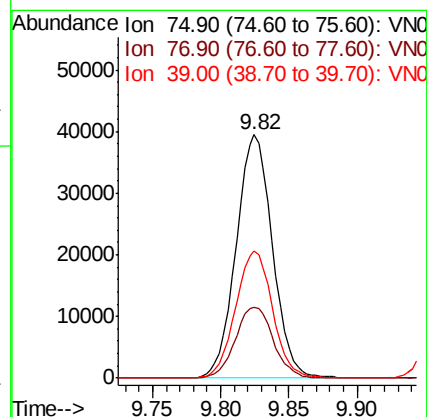
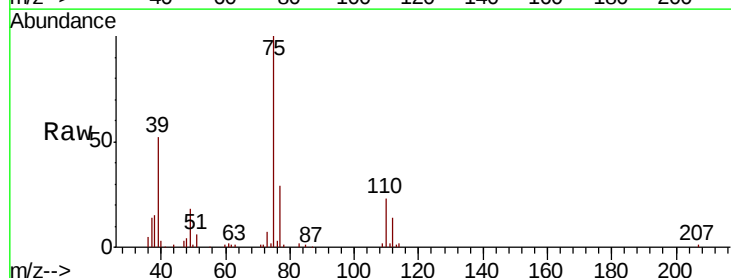
Tgt Ion: 75 Resp: 72871

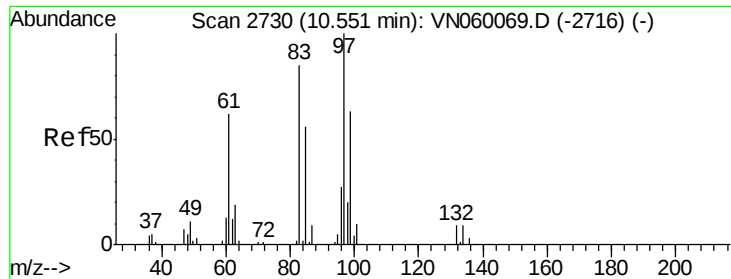
Ion Ratio Lower Upper

75 100

77 29.3 25.6 38.4

39 52.0 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 19.240 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 41335

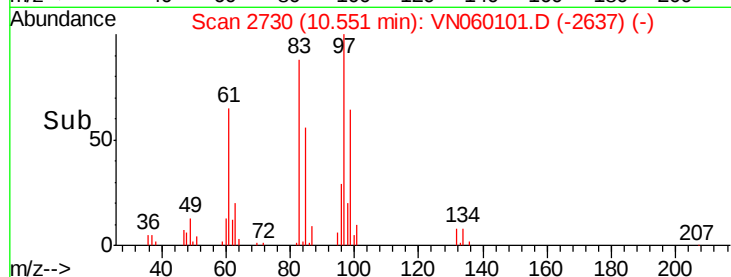
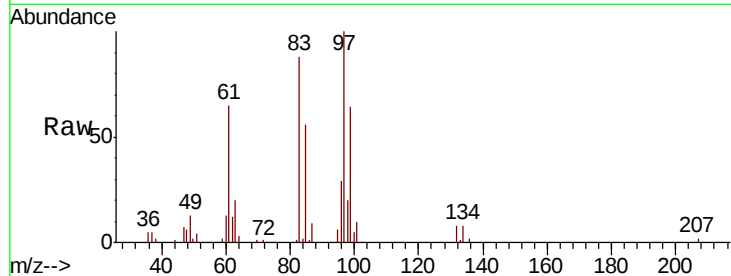
Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.9	101.9
85	56.0	44.6	67.0
99	64.1	50.1	75.1

97 100

83 87.6 67.9 101.9

85 56.0 44.6 67.0

99 64.1 50.1 75.1

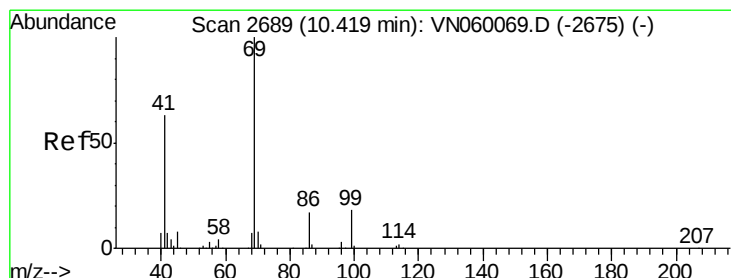
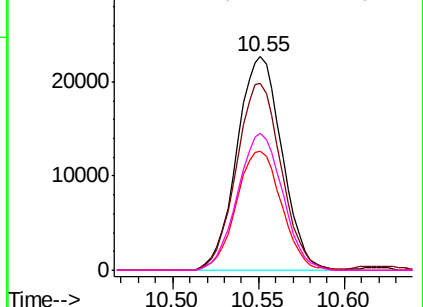


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.445 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

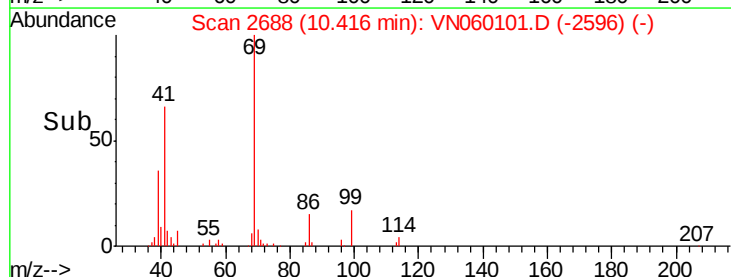
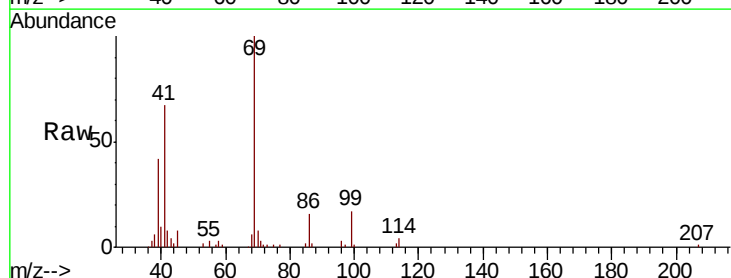
Tgt Ion: 69 Resp: 59095

Ion	Ratio	Lower	Upper
69	100		
41	69.5	51.1	76.7
39	44.1	33.8	50.8

69 100

41 69.5 51.1 76.7

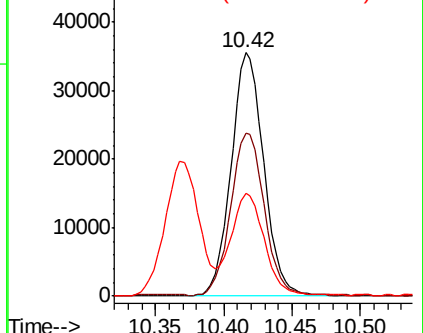
39 44.1 33.8 50.8

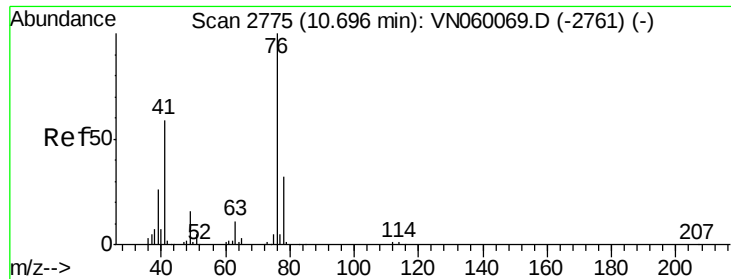


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.586 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

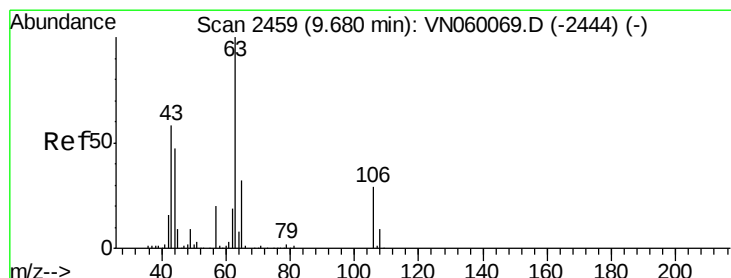
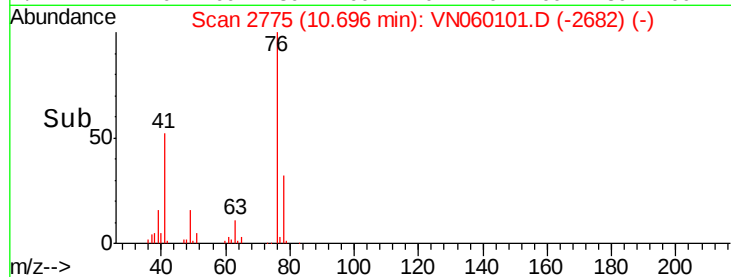
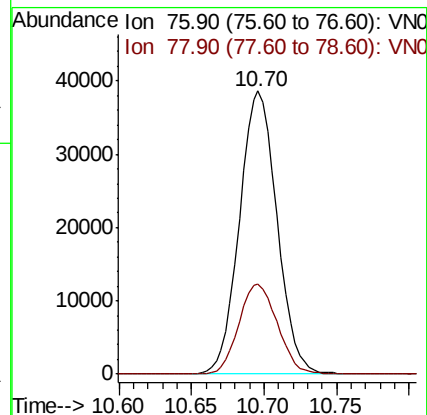
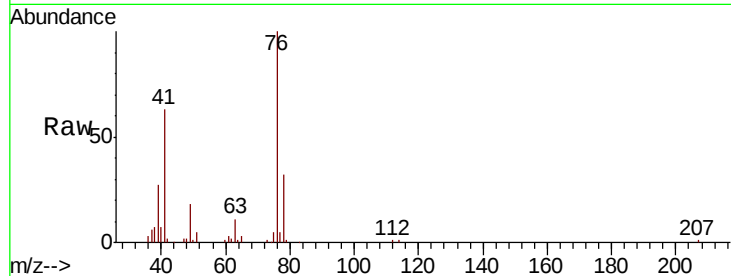
ClientSampled :

Tot Ion: 76 Resp: 69431

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 99.538 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060101.D

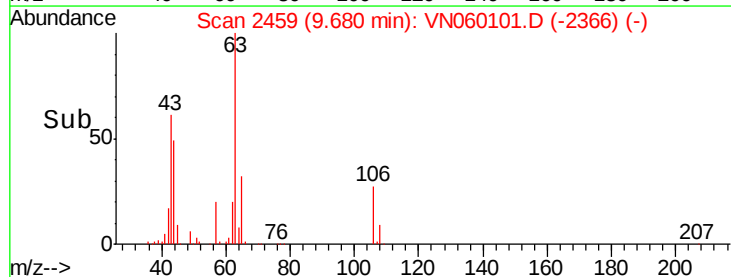
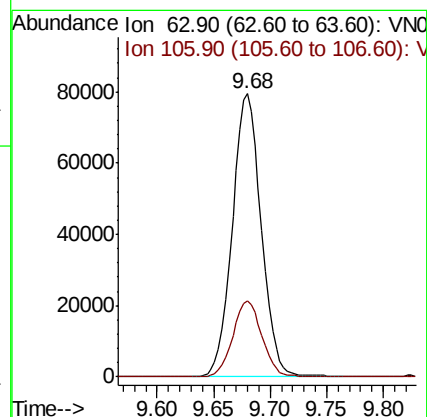
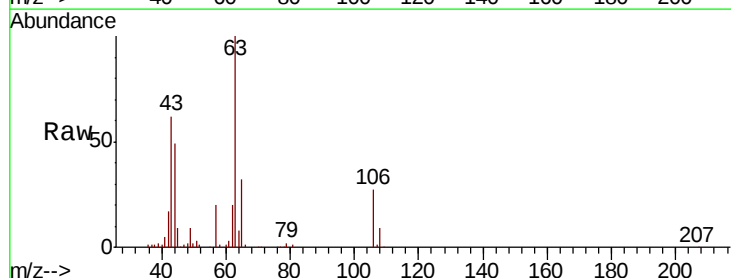
Acq: 14 Feb 2020 11:06

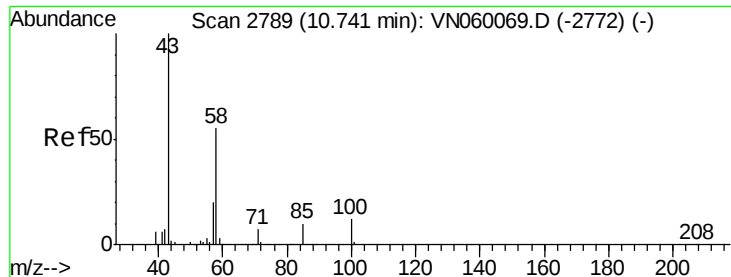
Tgt Ion: 63 Resp: 140930

Ion Ratio Lower Upper

63 100

106 27.2 22.9 34.3

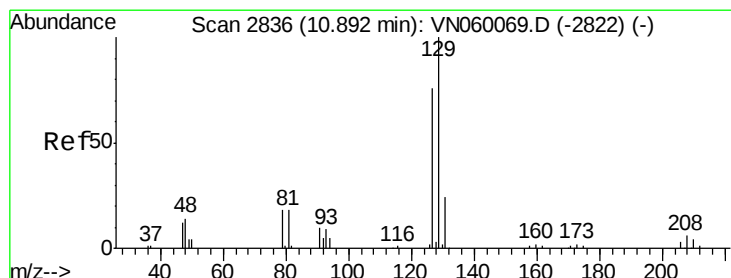
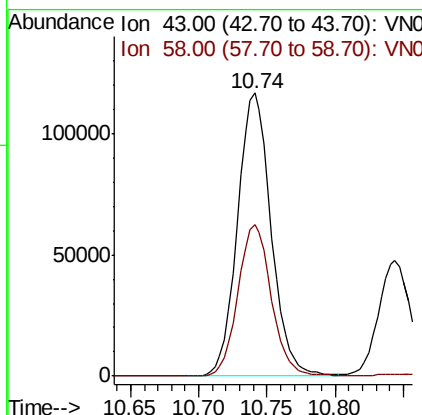
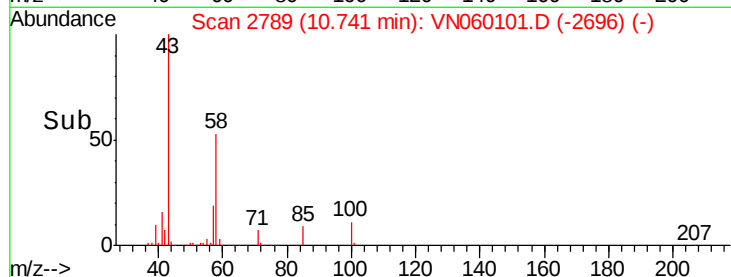
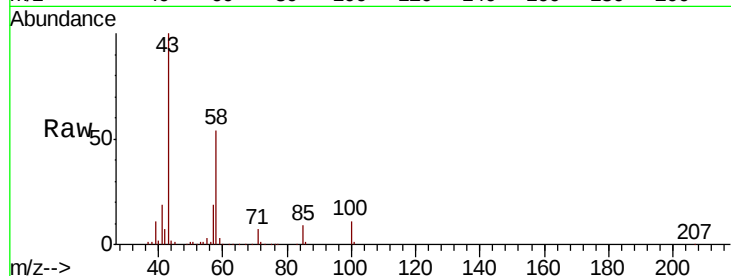




#59
2-Hexanone
Concen: 99.800 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

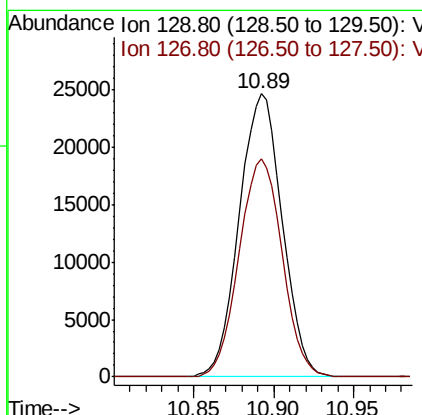
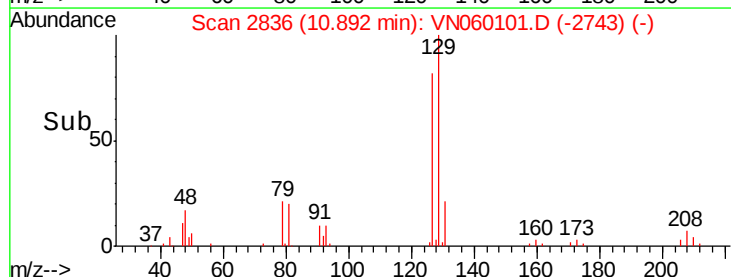
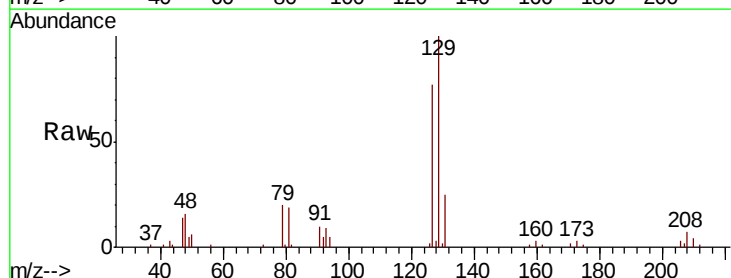
Instrument :
MSVOA_N
ClientSampleId :

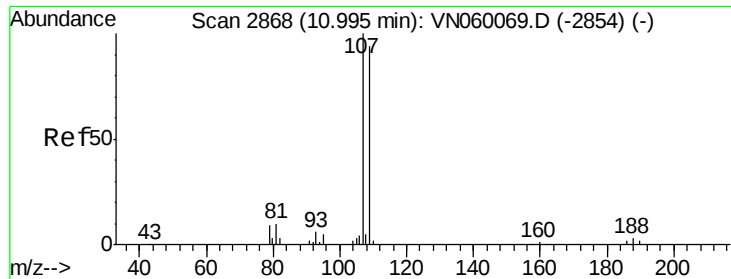
Tot Ion: 43 Resp: 199575
Ion Ratio Lower Upper
43 100
58 53.3 27.5 82.4



#60
Dibromochloromethane
Concen: 18.357 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion:129 Resp: 45256
Ion Ratio Lower Upper
129 100
127 77.1 38.0 114.1

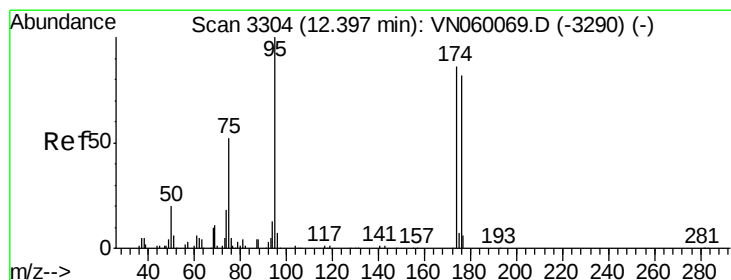
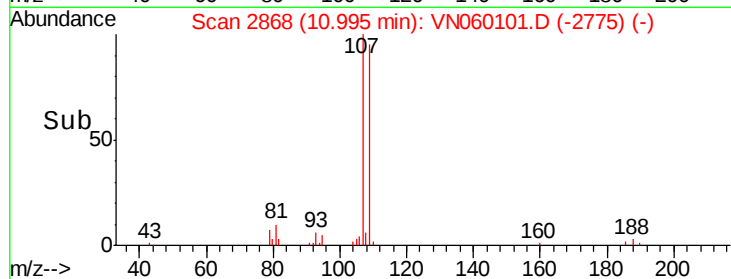
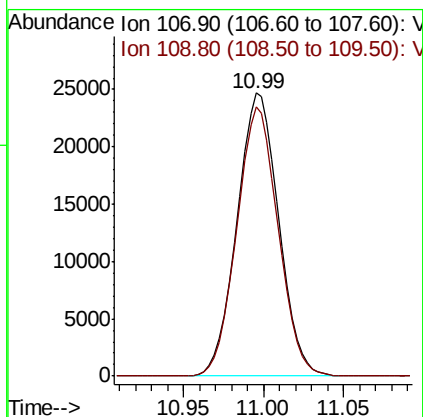
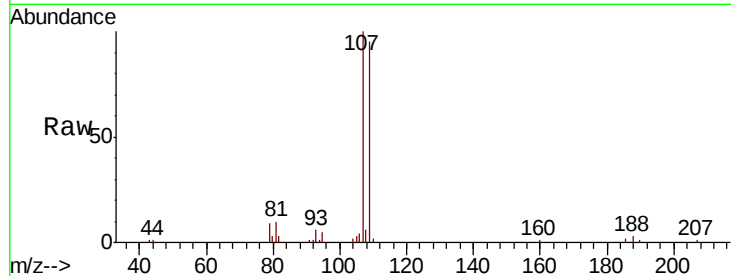




#61
 1,2-Dibromoethane
 Concen: 19.458 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

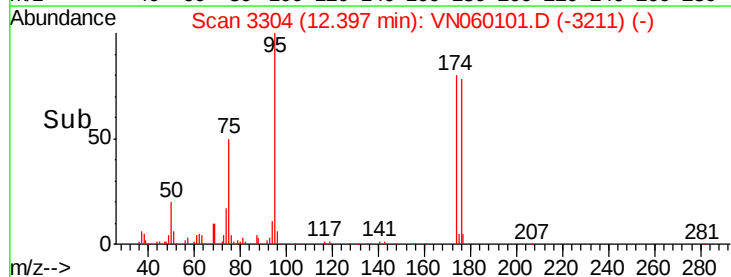
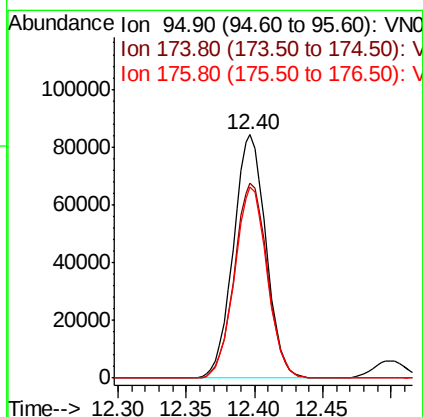
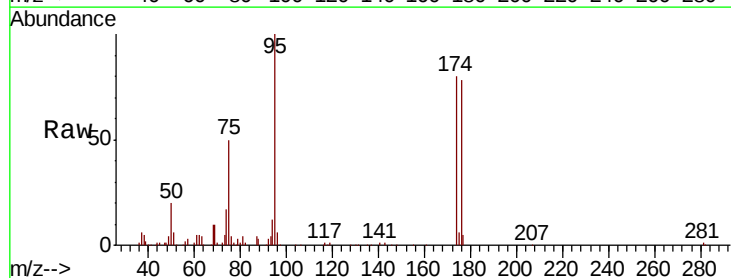
Instrument :
 MSVOA_N
 ClientSampled :

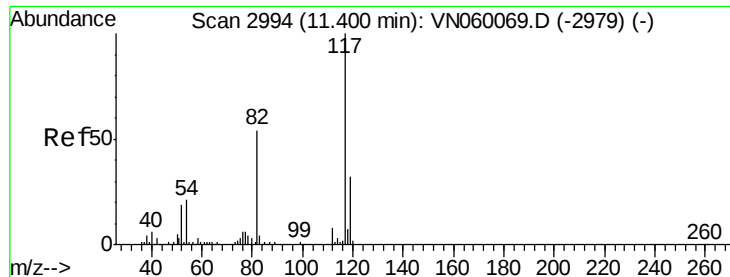
Tot Ion:107 Resp: 43822
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.133 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion: 95 Resp: 139373
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 169.8
 176 78.7 0.0 164.8

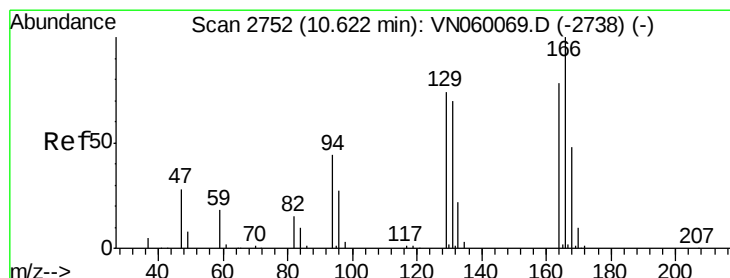
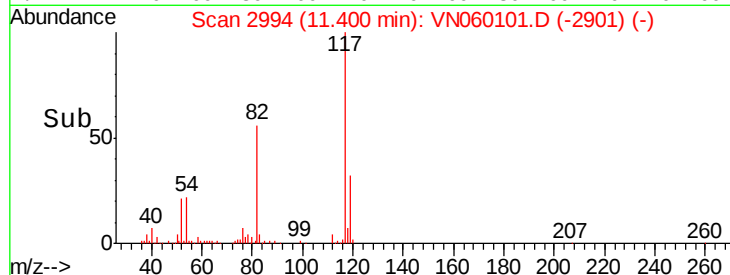
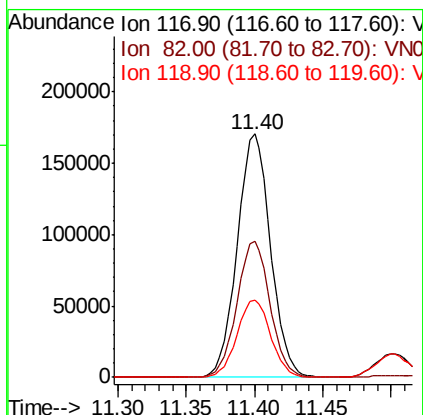
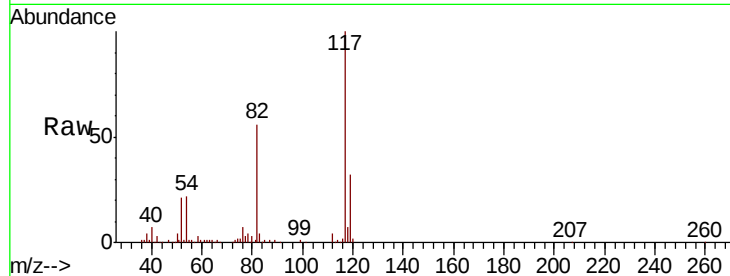




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

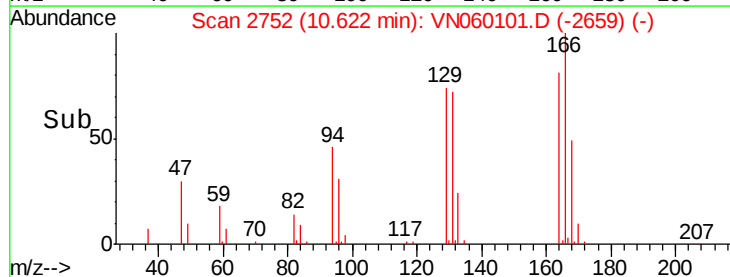
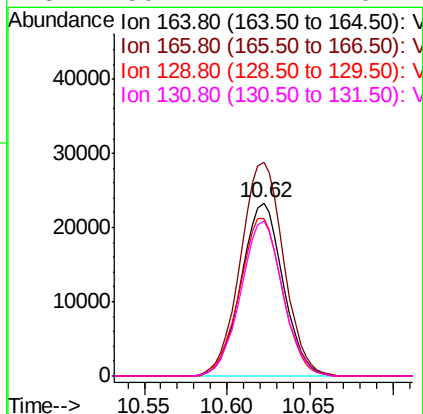
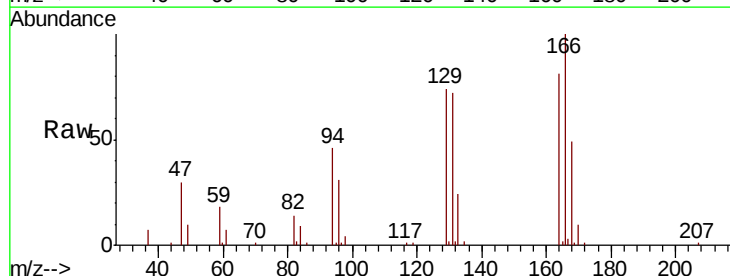
Instrument :
MSVOA_N
ClientSampled :

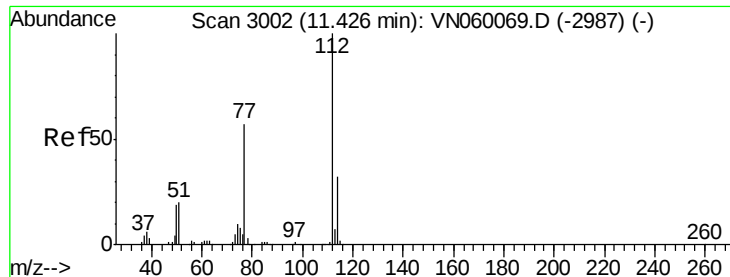
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.4	65.0
119	31.9	25.8	38.6



#64
Tetrachloroethene
Concen: 18.669 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.9	152.9
129	91.3	75.4	113.0
131	89.2	71.4	107.2

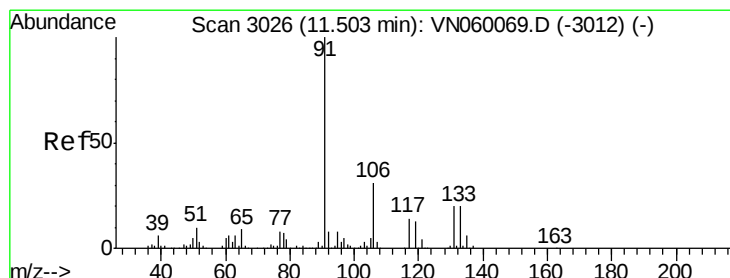
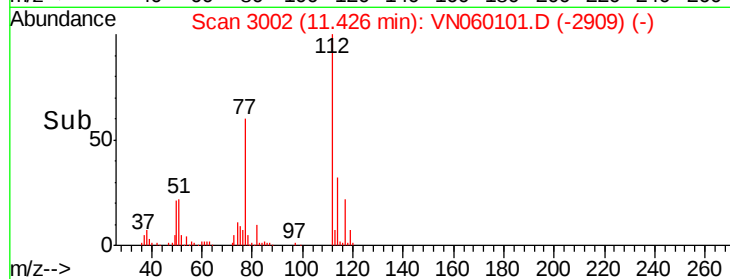
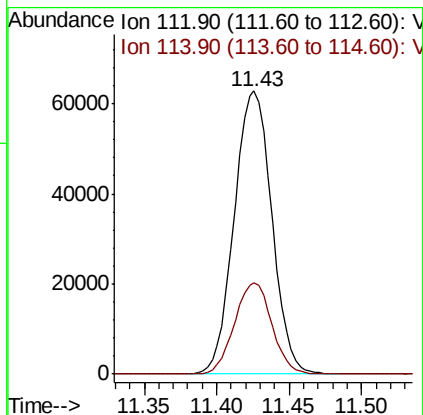
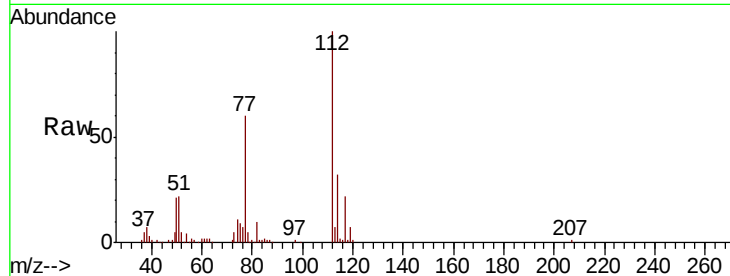




#65
Chlorobenzene
Concen: 19.271 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

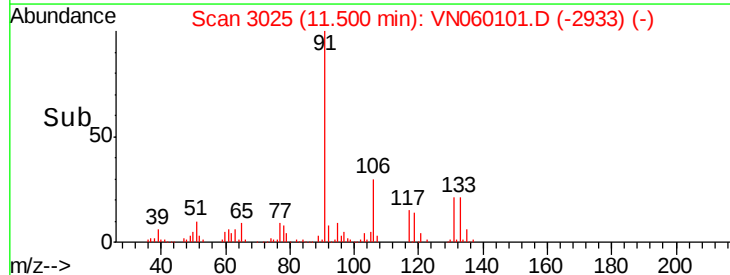
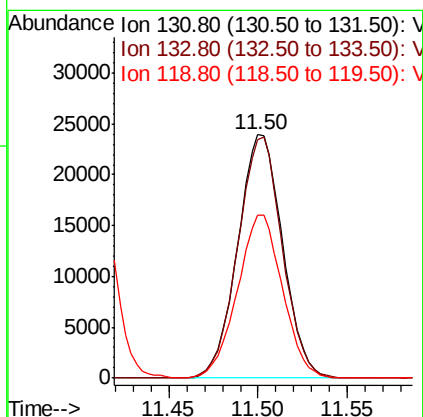
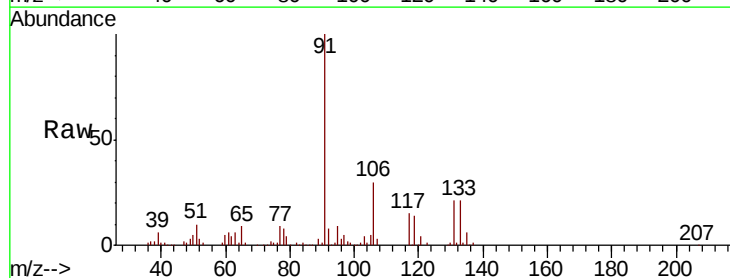
Instrument :
MSVOA_N
ClientSampleId :

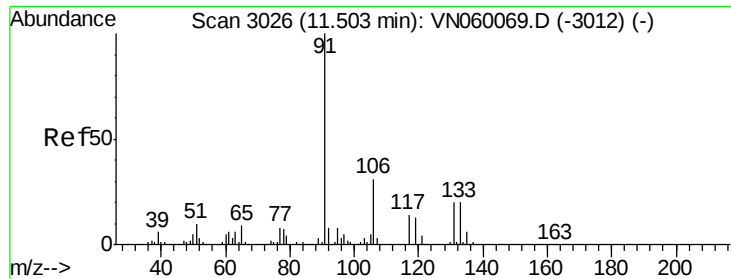
Tot Ion:112 Resp: 113416
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.839 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion:131 Resp: 41943
Ion Ratio Lower Upper
131 100
133 98.5 47.9 143.7
119 67.6 32.6 97.7





#67

Ethyl Benzene

Concen: 19.420 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

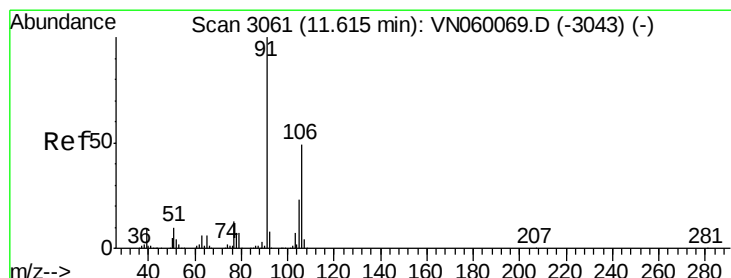
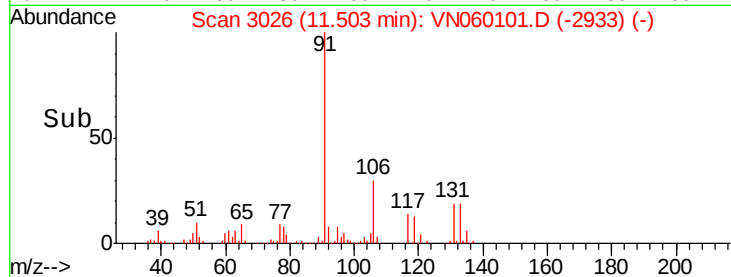
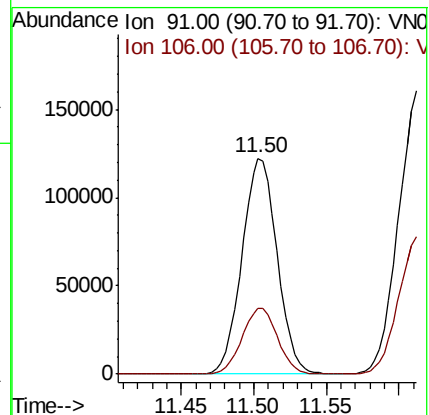
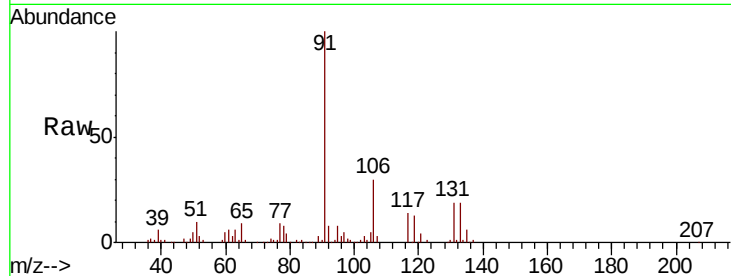
ClientSampled :

Tot Ion: 91 Resp: 206139

Ion Ratio Lower Upper

91 100

106 30.5 25.1 37.7



#68

m/p-Xylenes

Concen: 38.582 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060101.D

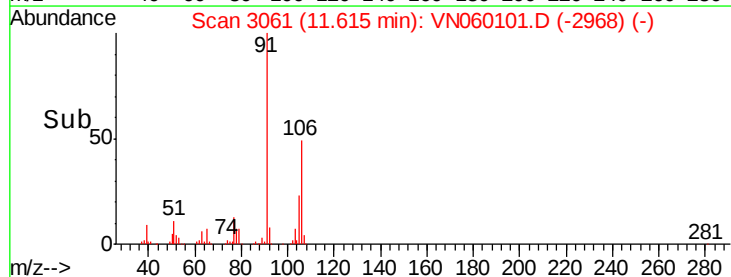
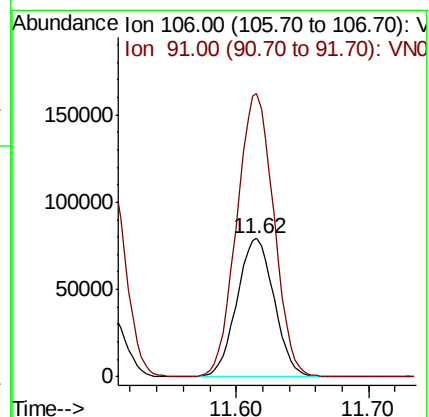
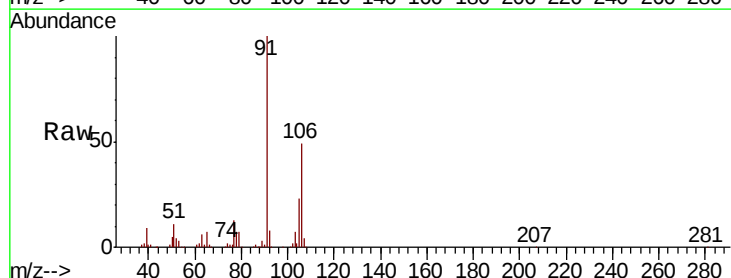
Acq: 14 Feb 2020 11:06

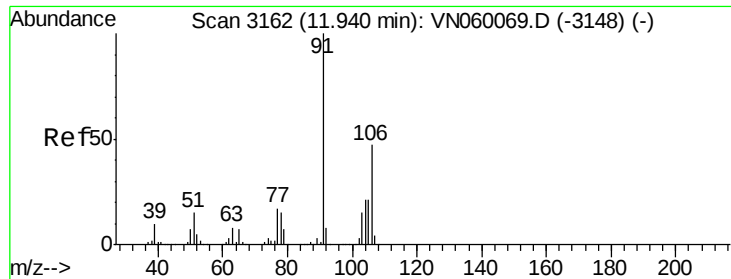
Tgt Ion: 106 Resp: 153707

Ion Ratio Lower Upper

106 100

91 204.0 162.7 244.1

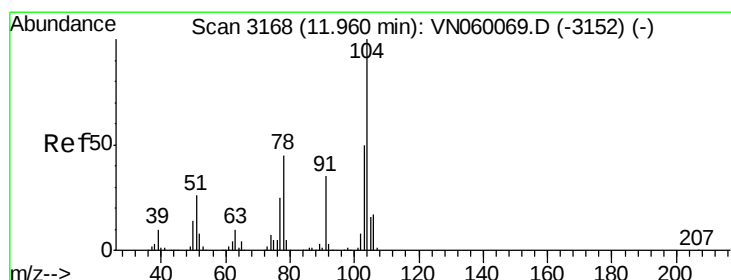
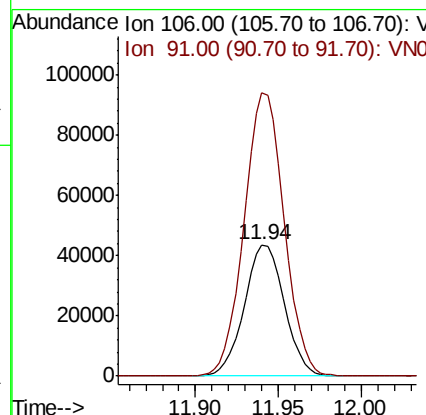
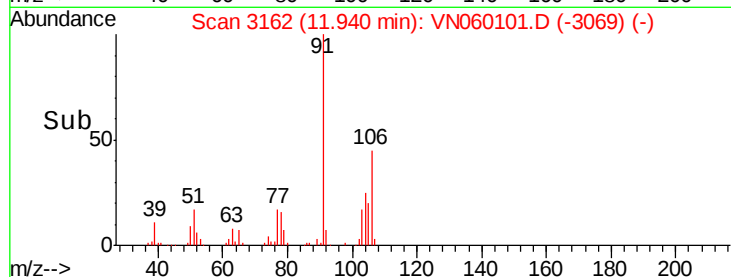
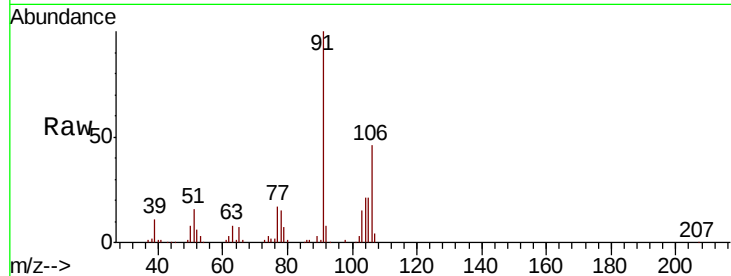




#69
o-Xylene
Concen: 19.081 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

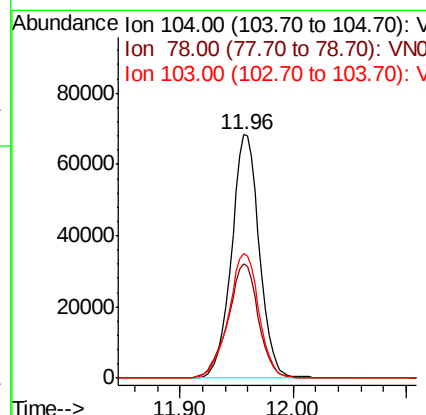
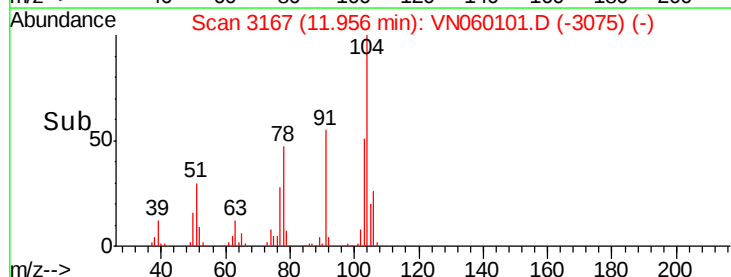
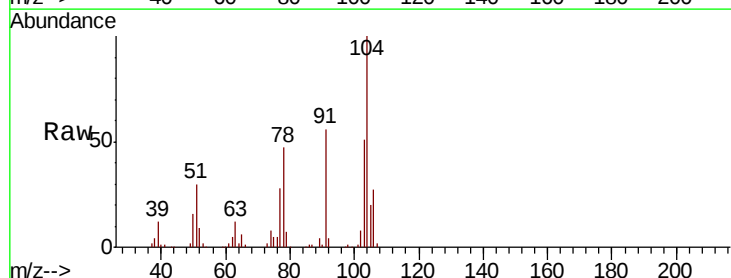
Instrument :
MSVOA_N
ClientSampled :

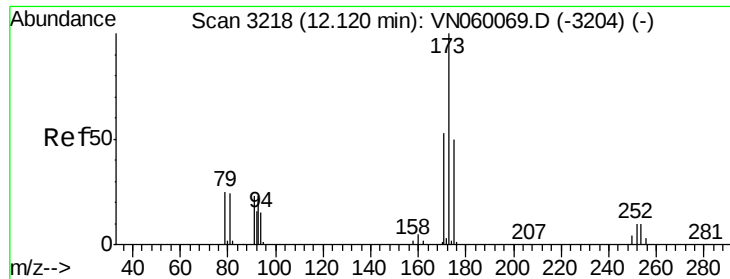
Tot Ion:106 Resp: 73190
Ion Ratio Lower Upper
106 100
91 216.0 107.2 321.6



#70
Styrene
Concen: 18.879 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion:104 Resp: 116778
Ion Ratio Lower Upper
104 100
78 51.6 40.2 60.2
103 55.8 44.3 66.5

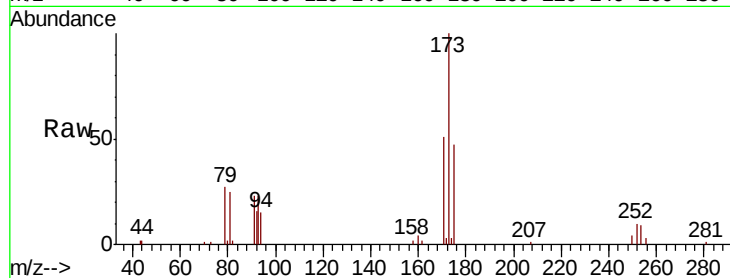




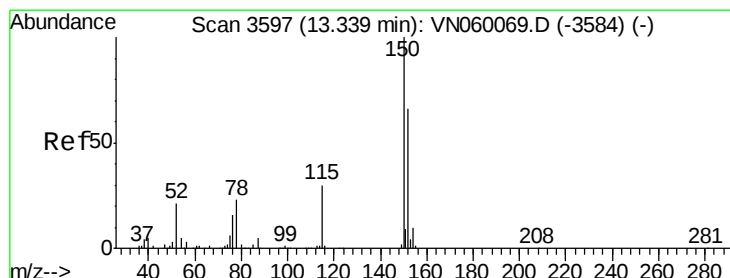
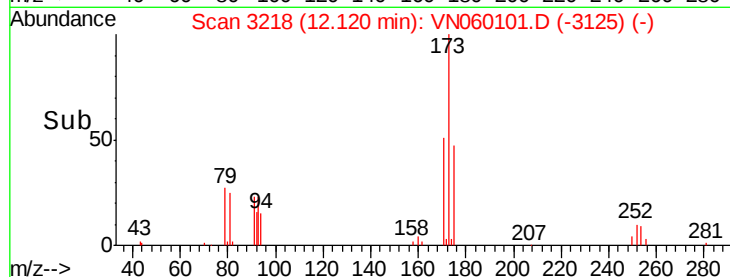
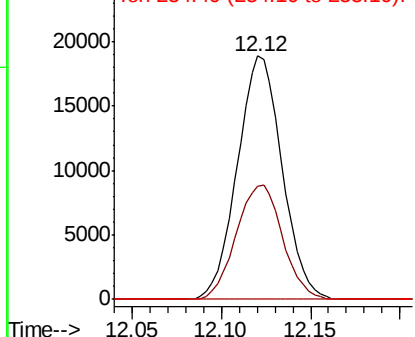
#71
Bromoform
Concen: 18.416 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 32978
Ion Ratio Lower Upper
173 100
175 48.4 24.9 74.6
254 0.0 0.0 0.0

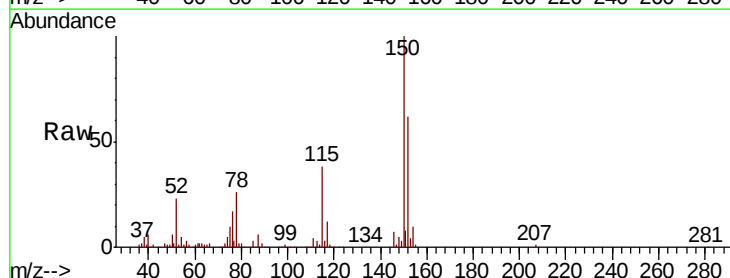


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

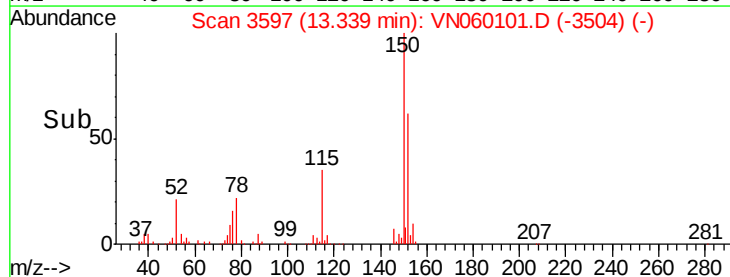
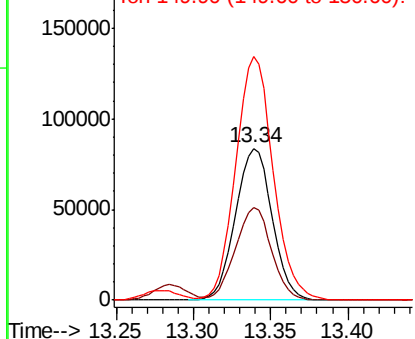


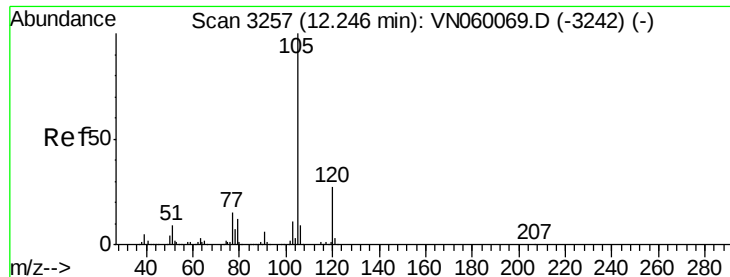
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion:152 Resp: 137859
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.8
150 164.6 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: 19.641 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

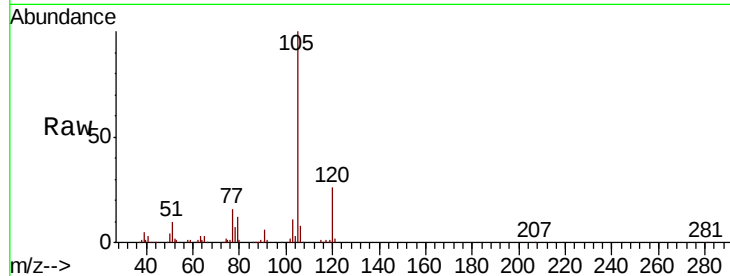
ClientSampleId :

Tot Ion: 105 Resp: 202195

Ion Ratio Lower Upper

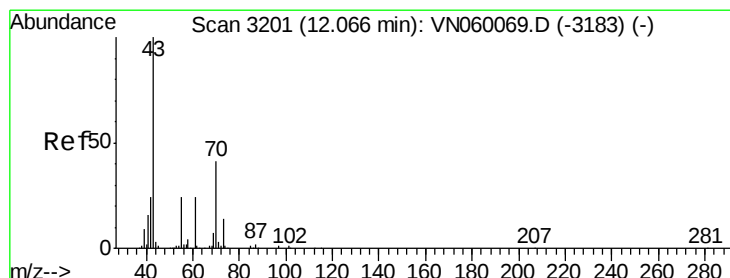
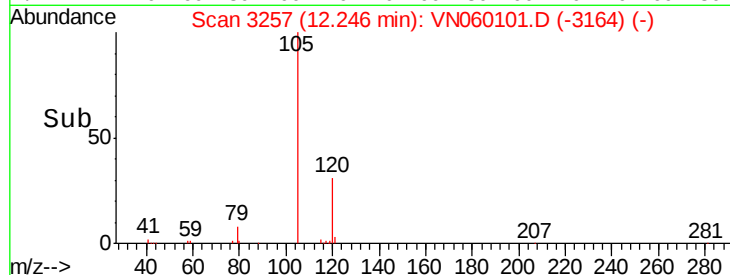
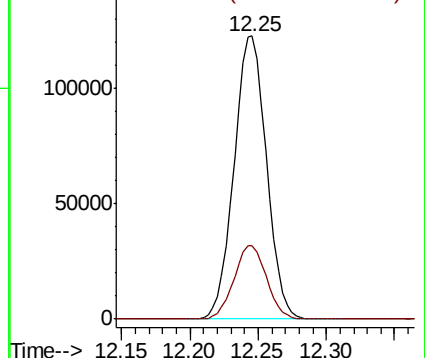
105 100

120 26.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.802 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Tgt Ion: 43 Resp: 77222

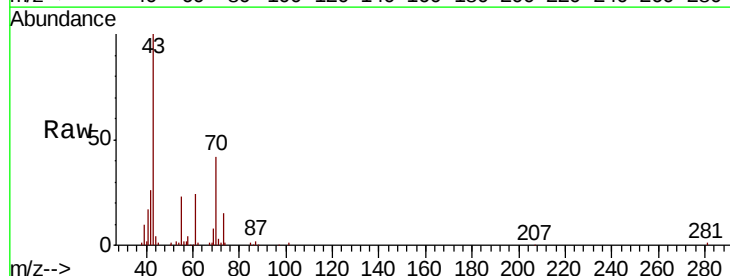
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 23.2 18.8 28.2

61 23.6 19.2 28.8

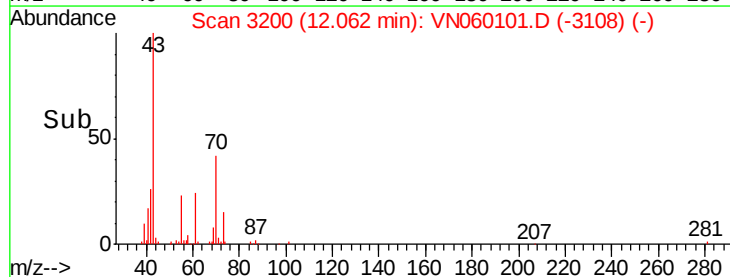
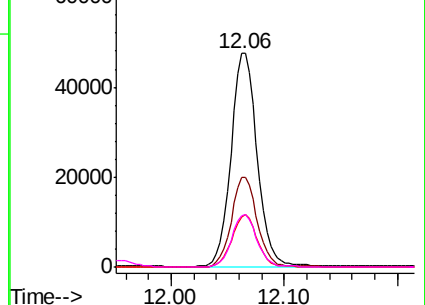


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.495 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

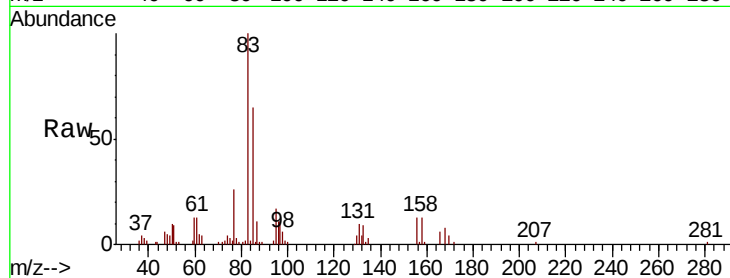
Tot Ion: 83 Resp: 60729

Ion Ratio Lower Upper

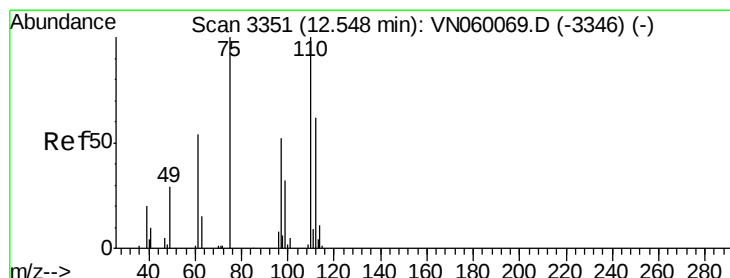
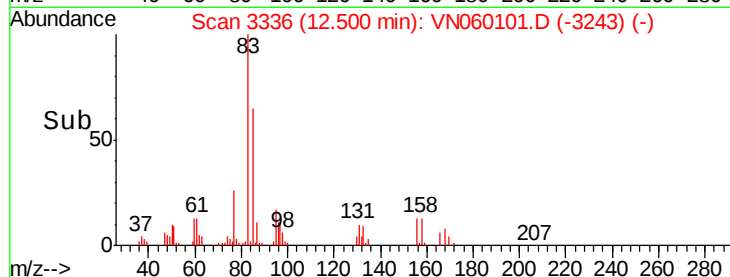
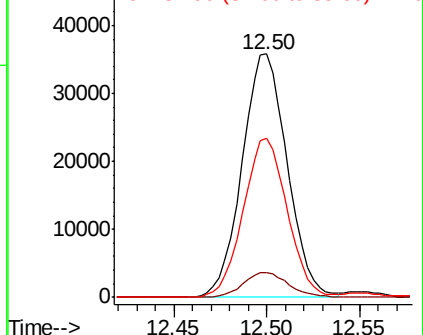
83 100

131 10.1 5.2 15.6

85 63.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.787 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060101.D

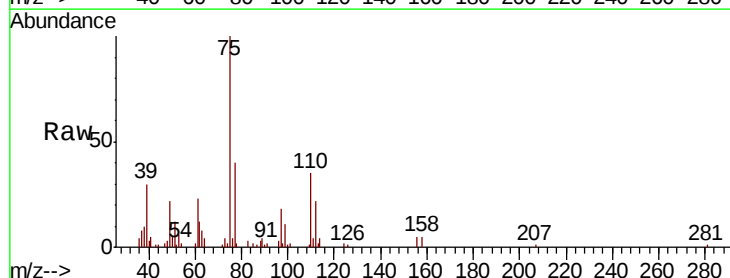
Acq: 14 Feb 2020 11:06

Tgt Ion: 75 Resp: 78565

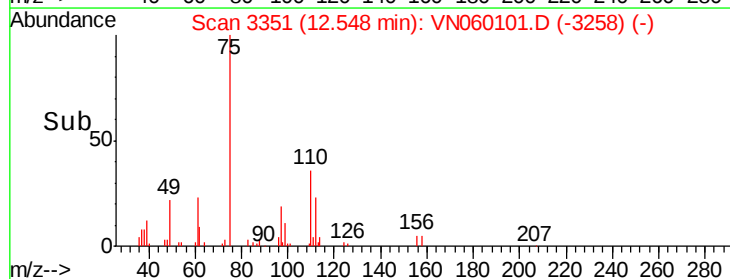
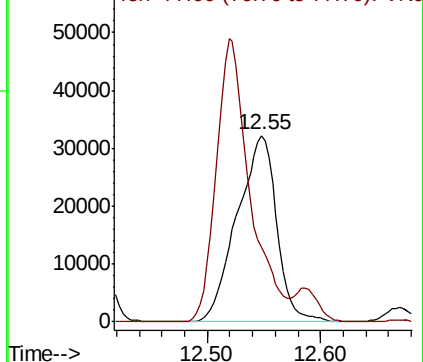
Ion Ratio Lower Upper

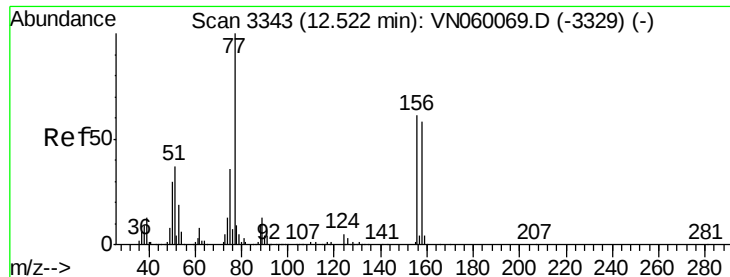
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.196 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

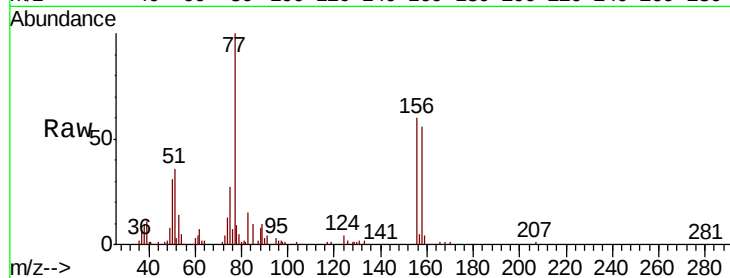
Tot Ion:156 Resp: 49042

Ion Ratio Lower Upper

156 100

77 205.1 98.7 296.1

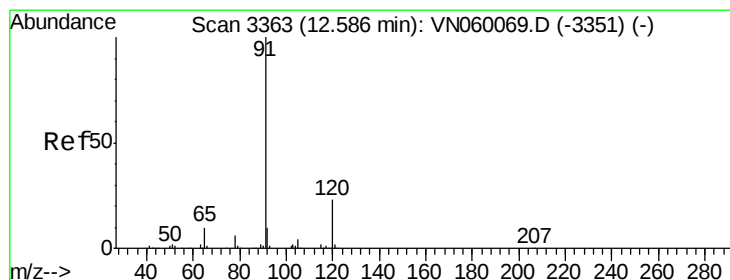
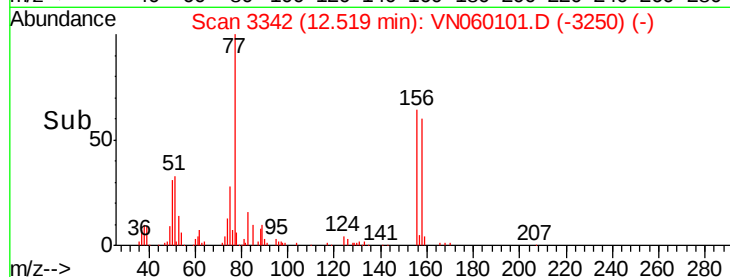
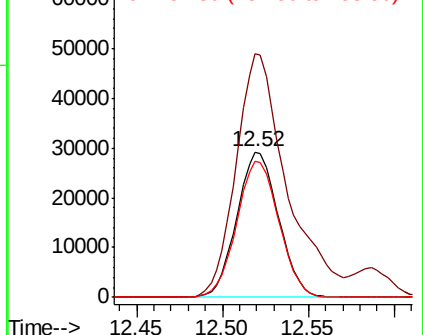
158 95.0 48.1 144.4



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: 19.700 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060101.D

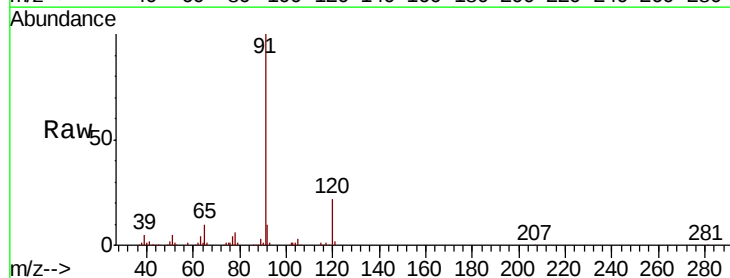
Acq: 14 Feb 2020 11:06

Tgt Ion: 91 Resp: 231064

Ion Ratio Lower Upper

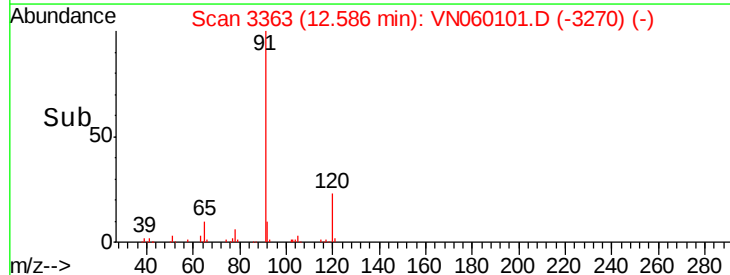
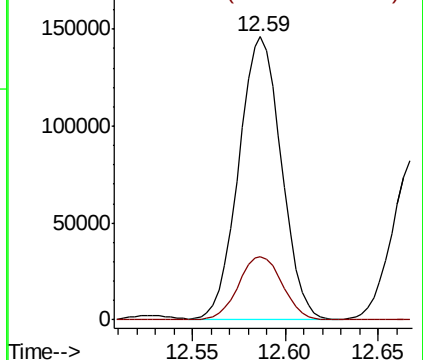
91 100

120 23.1 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: 19.806 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

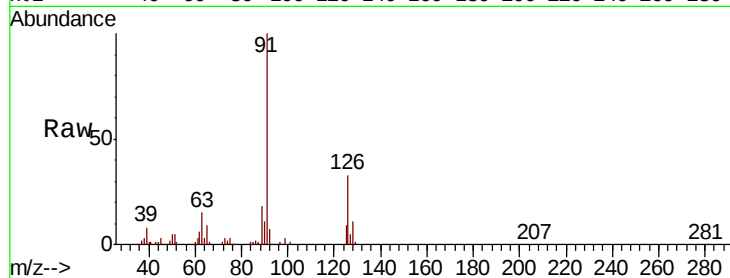
ClientSampled :

Tot Ion: 91 Resp: 136543

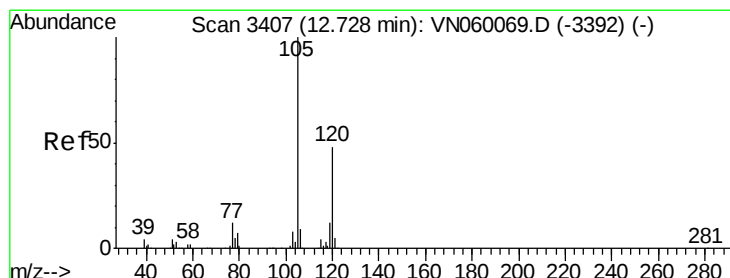
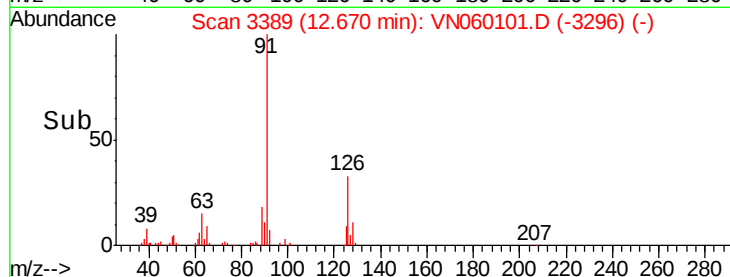
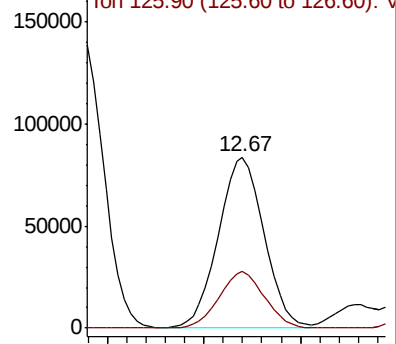
Ion Ratio Lower Upper

91 100

126 33.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060101.D (-3396) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.661 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060101.D

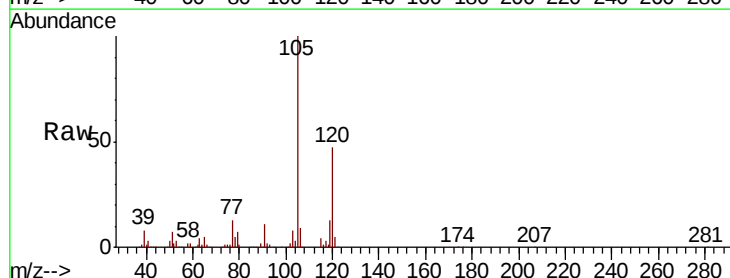
Acq: 14 Feb 2020 11:06

Tgt Ion:105 Resp: 168288

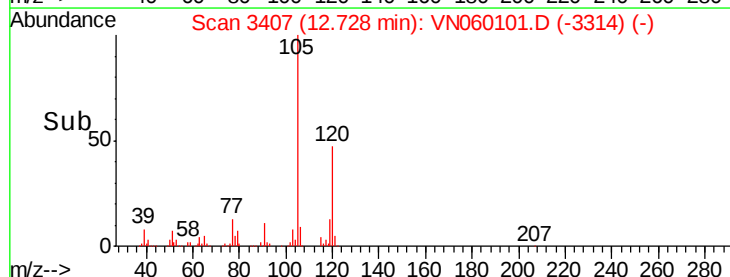
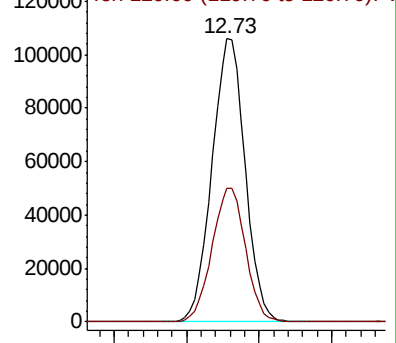
Ion Ratio Lower Upper

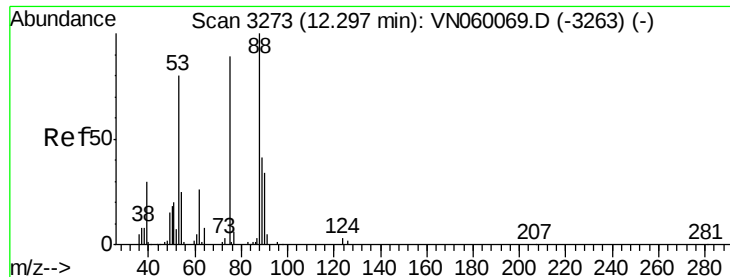
105 100

120 47.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060101.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.224 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

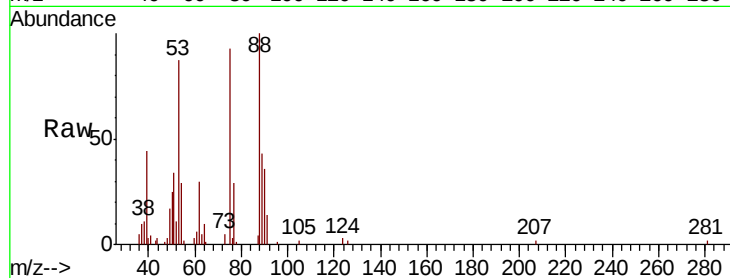
Tot Ion: 75 Resp: 20708

Ion Ratio Lower Upper

75 100

53 96.9 73.9 110.9

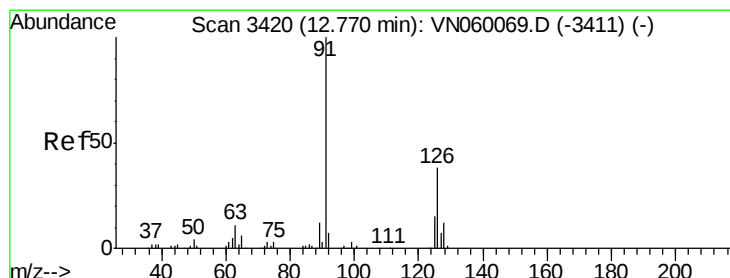
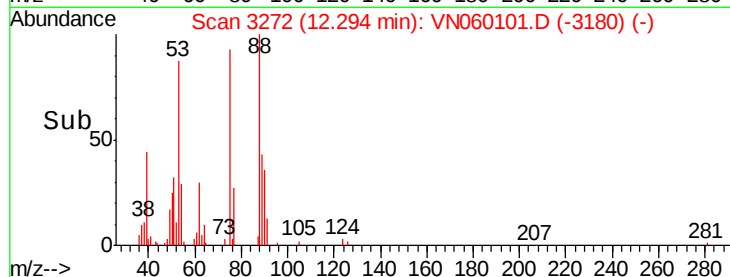
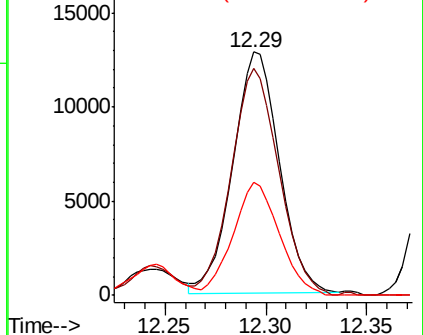
89 46.4 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.291 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060101.D

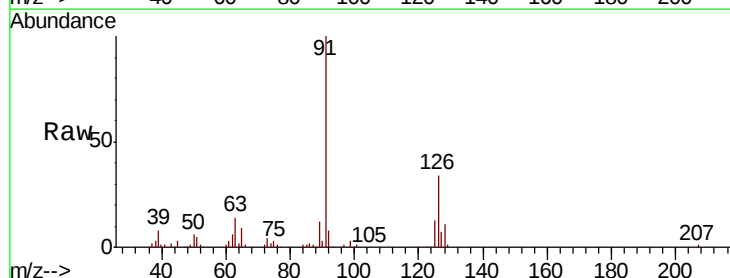
Acq: 14 Feb 2020 11:06

Tgt Ion: 91 Resp: 136443

Ion Ratio Lower Upper

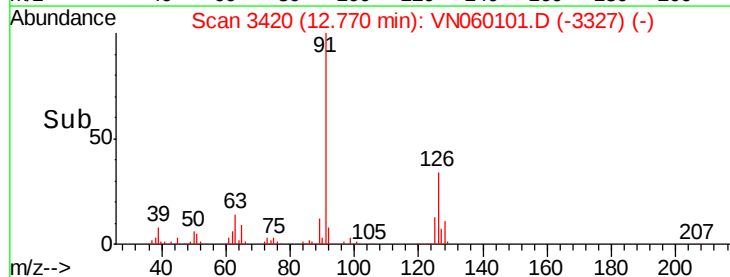
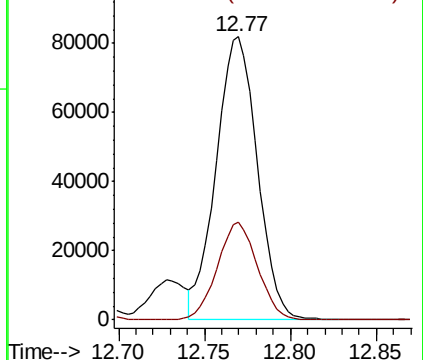
91 100

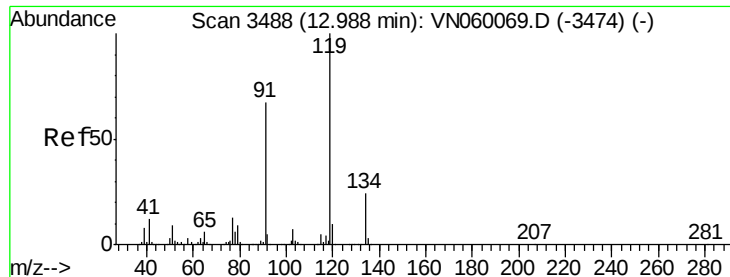
126 33.8 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

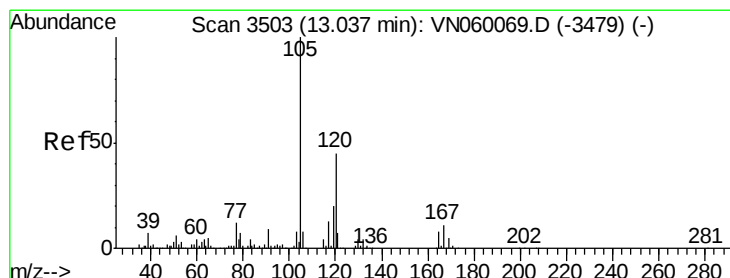
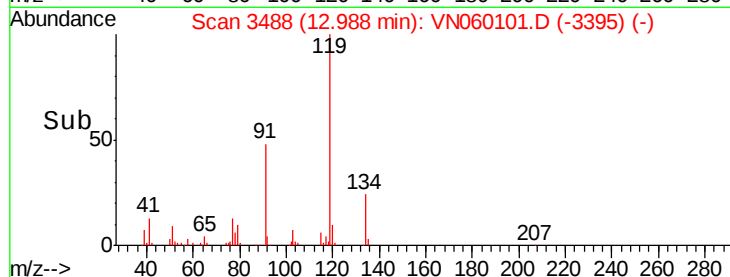
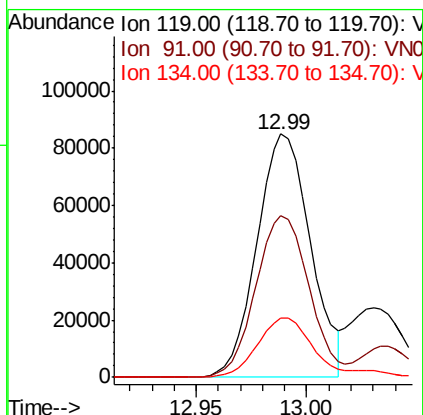
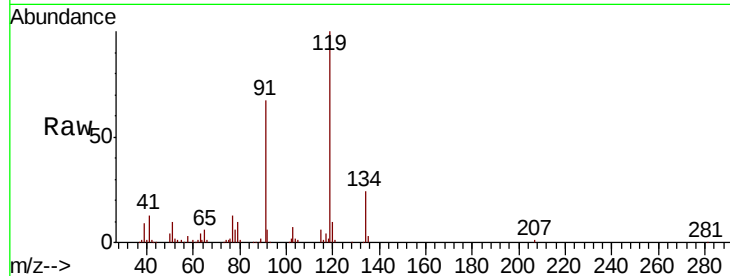




#83
tert-Butylbenzene
Concen: 18.908 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

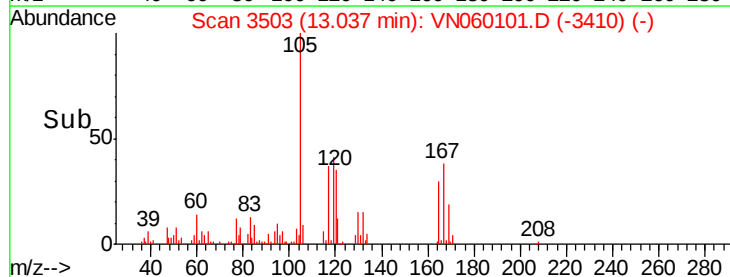
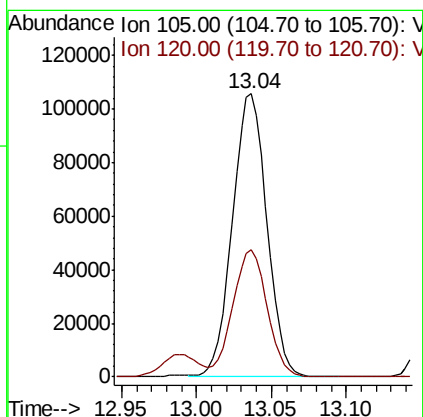
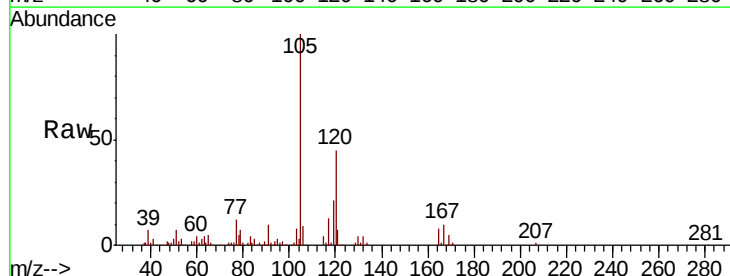
Instrument :
MSVOA_N
ClientSampled :

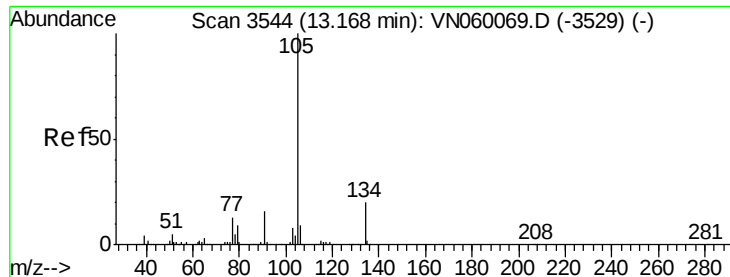
Tot Ion:119 Resp: 143170
Ion Ratio Lower Upper
119 100
91 66.1 32.7 98.1
134 26.6 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 20.039 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion:105 Resp: 169317
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.409 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

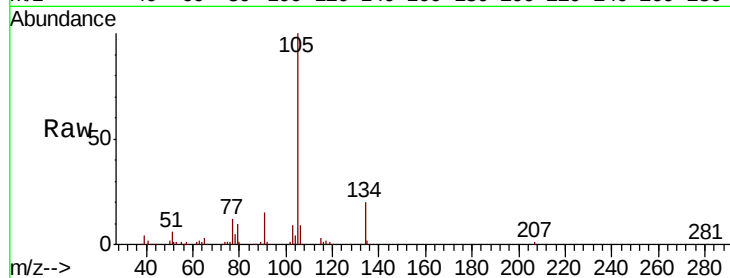
ClientSampled :

Tot Ion:105 Resp: 194633

Ion Ratio Lower Upper

105 100

134 19.4 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

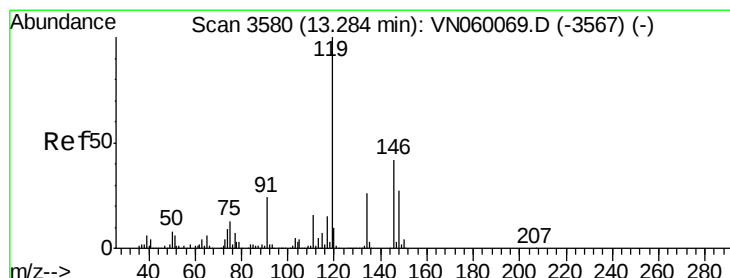
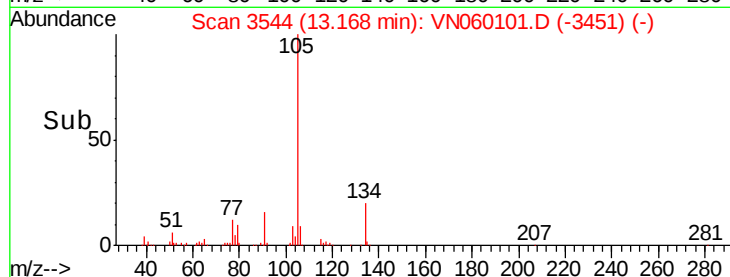
13.17

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.295 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

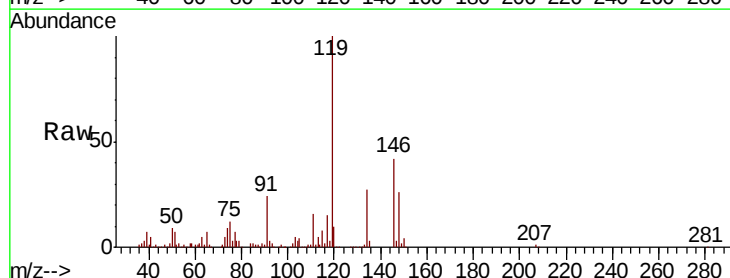
Tgt Ion:119 Resp: 175302

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.8 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

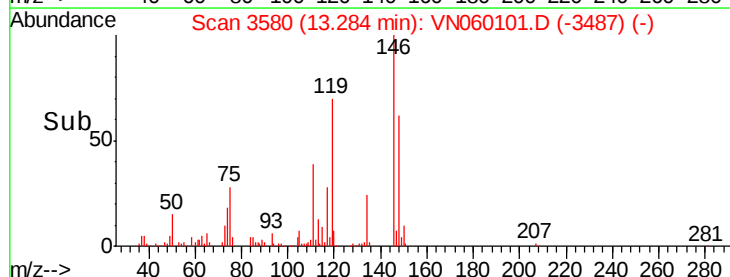
150000

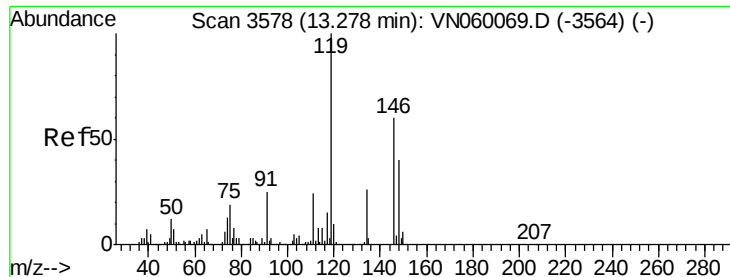
100000

50000

0

Time-->

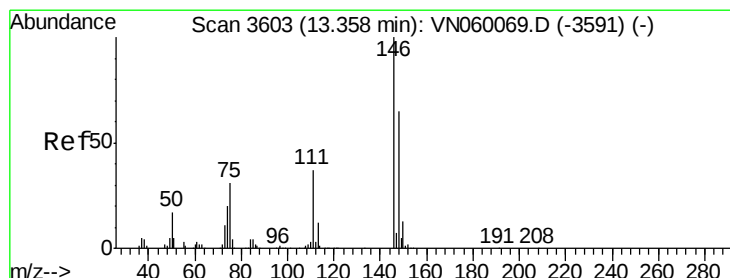
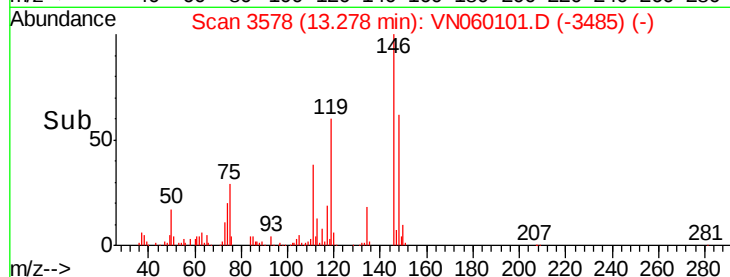
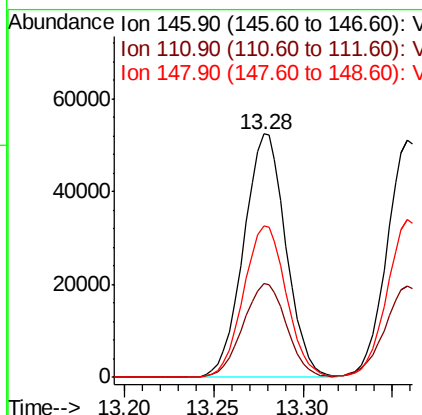
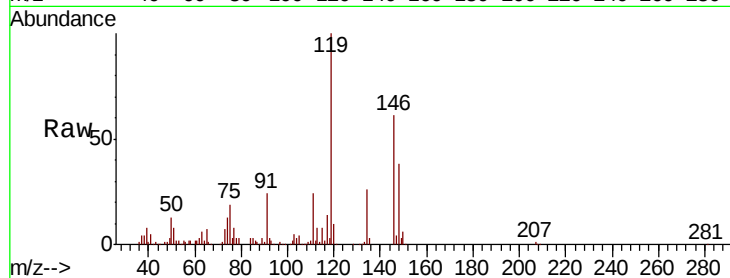




#87
 1,3-Dichlorobenzene
 Concen: 19.266 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

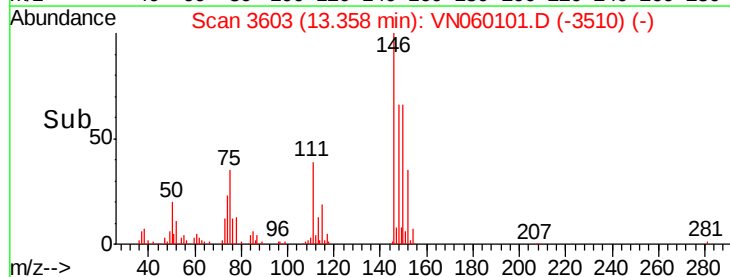
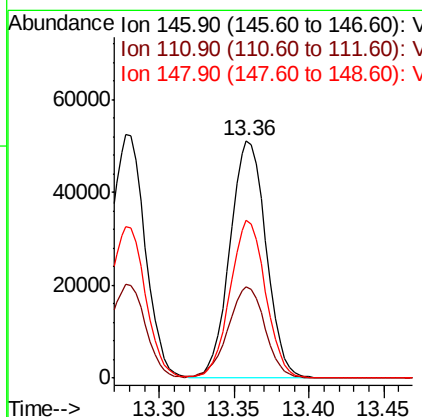
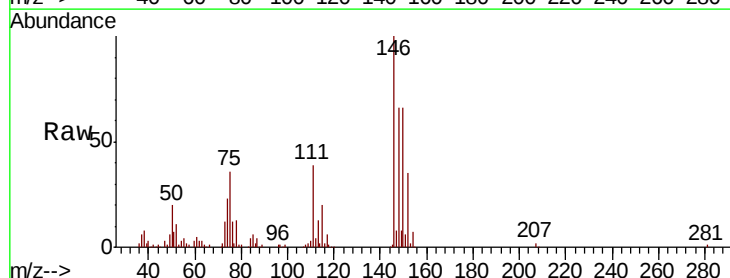
Instrument :
 MSVOA_N
 ClientSampled :

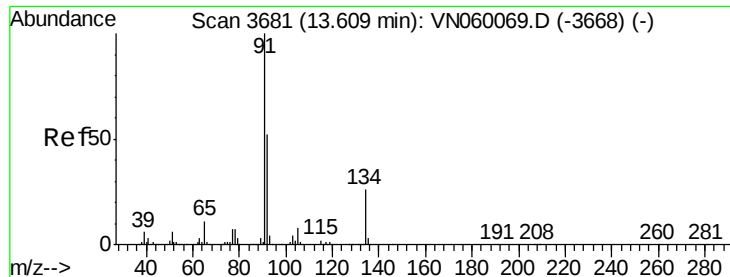
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	63.0	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.043 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.5
148	65.3	32.0	96.0





#89

n-Butylbenzene

Concen: 19.597 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060101.D

Acq: 14 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

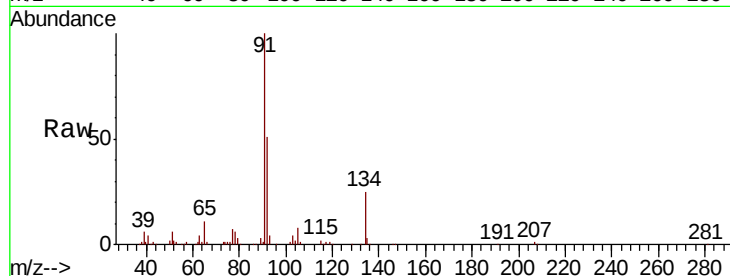
Tot Ion: 91 Resp: 156605

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

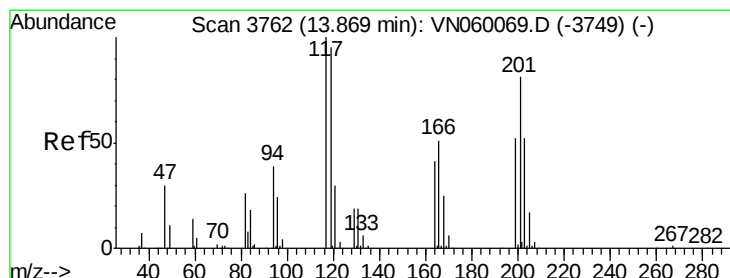
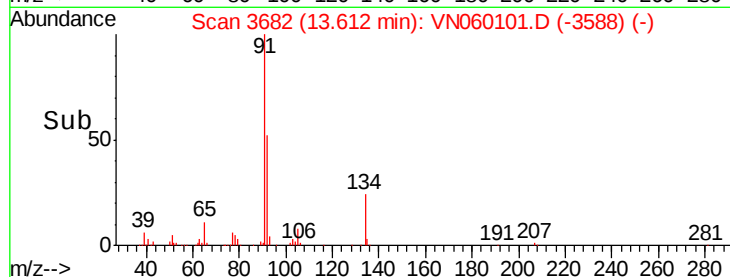
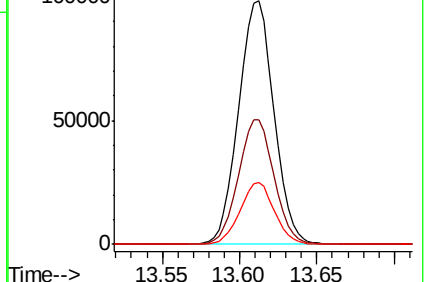
134 24.9 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.205 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060101.D

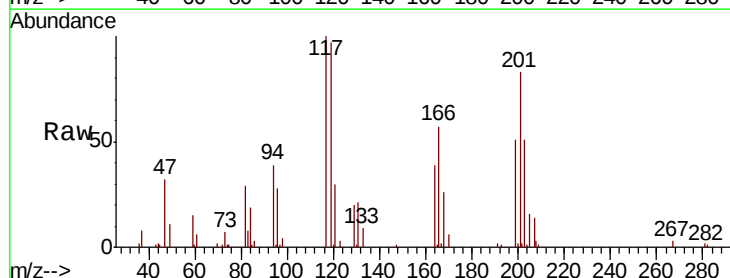
Acq: 14 Feb 2020 11:06

Tgt Ion: 117 Resp: 32597

Ion Ratio Lower Upper

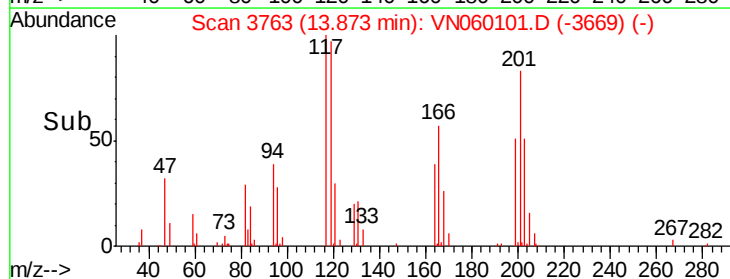
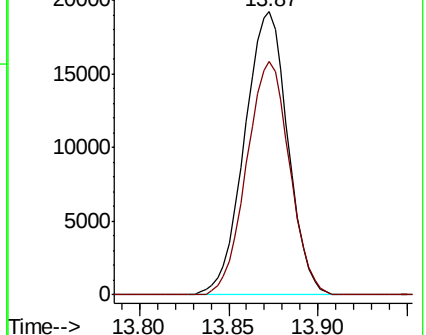
117 100

201 81.9 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)

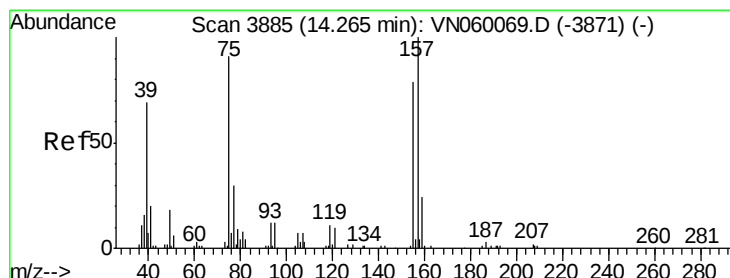
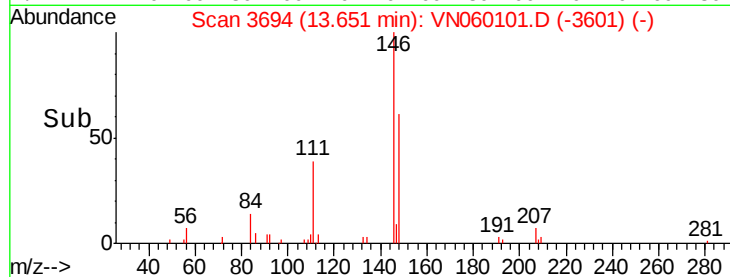
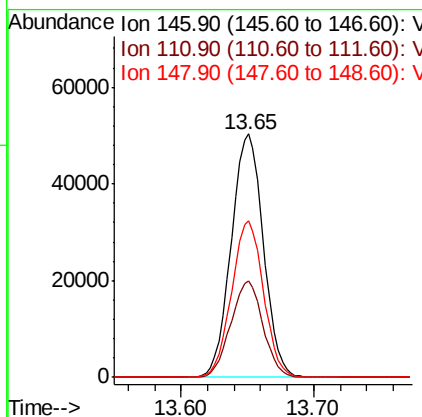
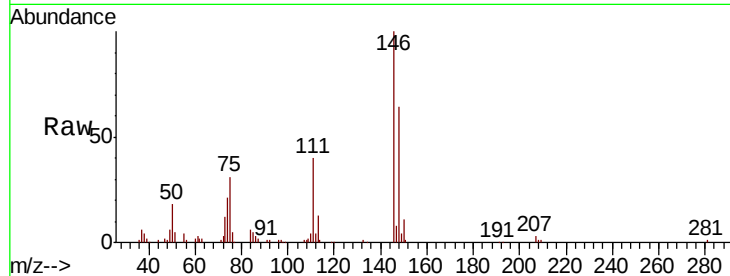




#91
 1,2-Dichlorobenzene
 Concen: 19.150 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

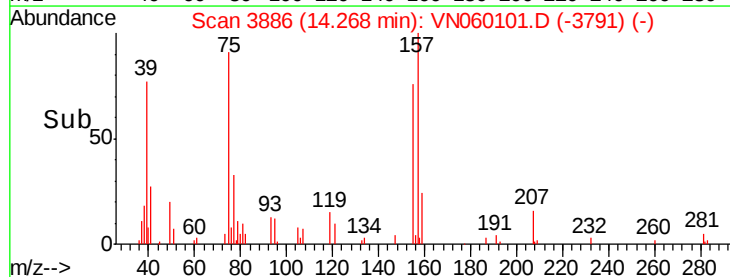
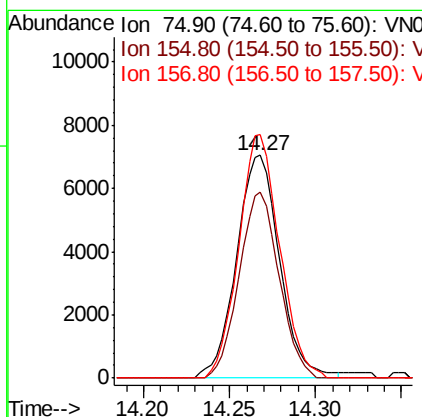
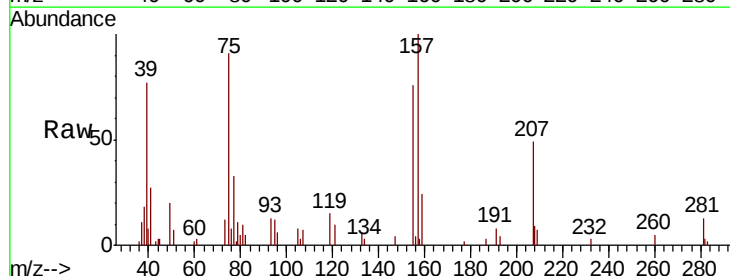
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.2
148	63.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.003 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	43.0	129.0
157	103.5	54.9	164.5

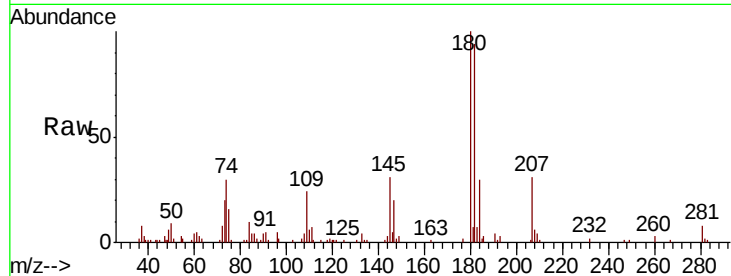




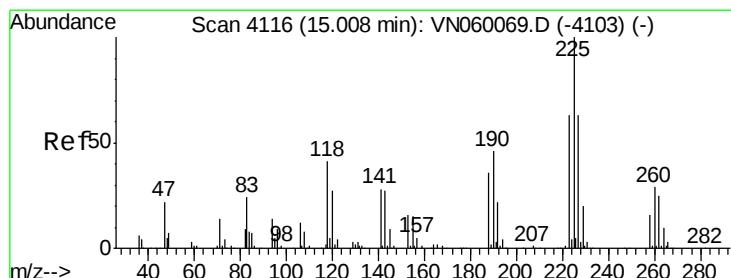
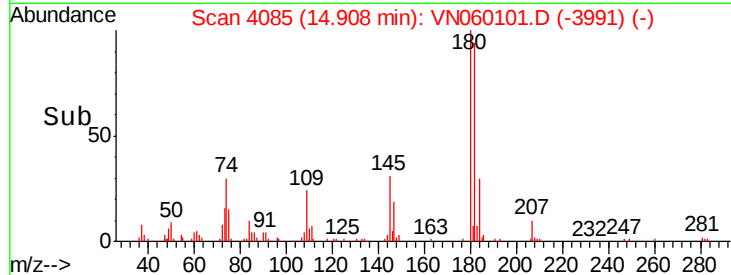
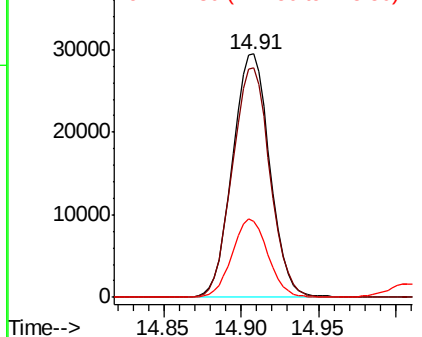
#93
 1,2,4-Trichlorobenzene
 Concen: 18.963 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 49311
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.8
 145 30.8 15.2 45.5

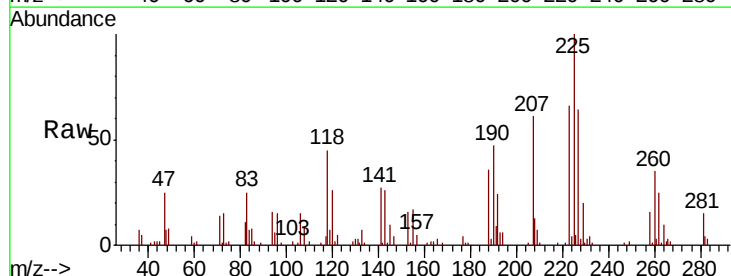


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

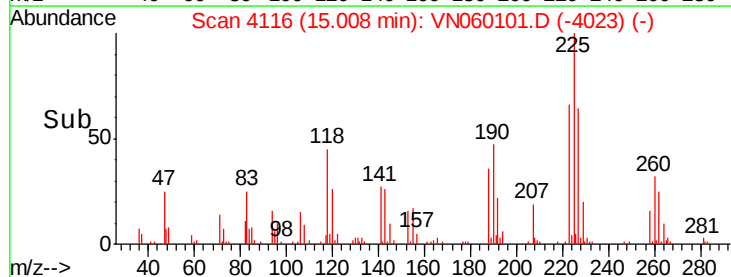
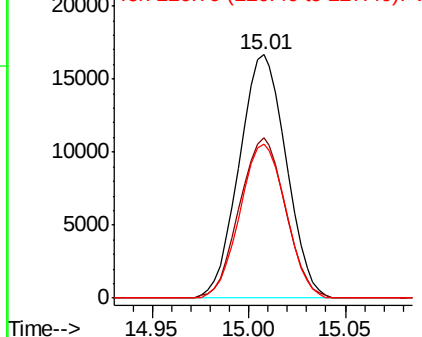


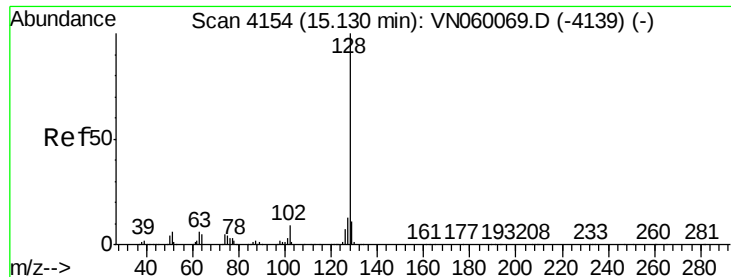
#94
 Hexachlorobutadiene
 Concen: 18.486 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060101.D
 Acq: 14 Feb 2020 11:06

Tgt Ion:225 Resp: 28142
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.5 94.5
 227 62.0 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

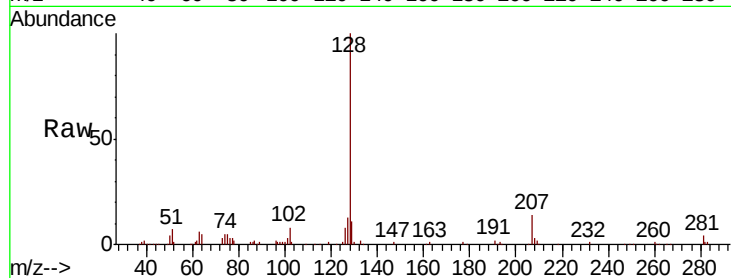




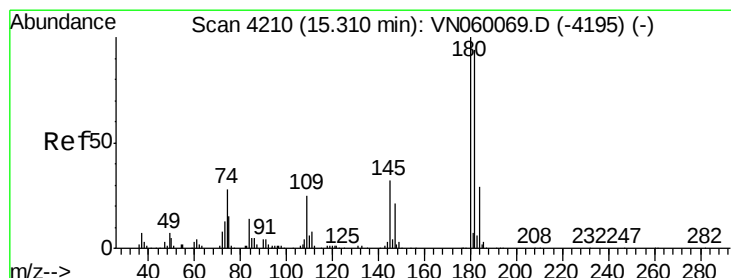
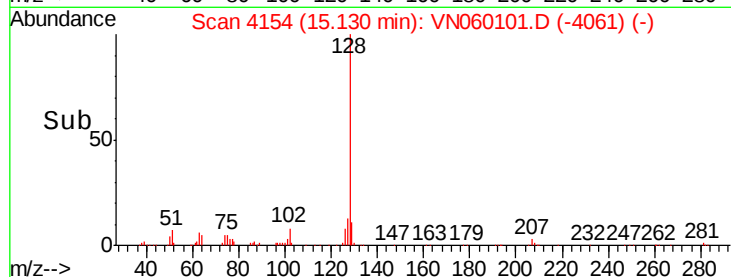
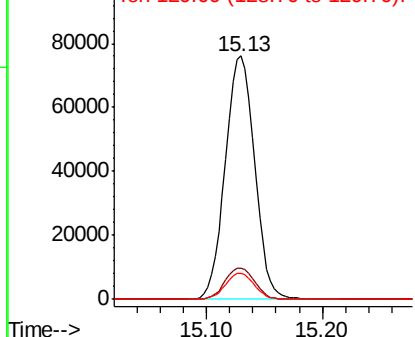
#95
Naphthalene
Concen: 18.971 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 133261
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.5 8.6 13.0

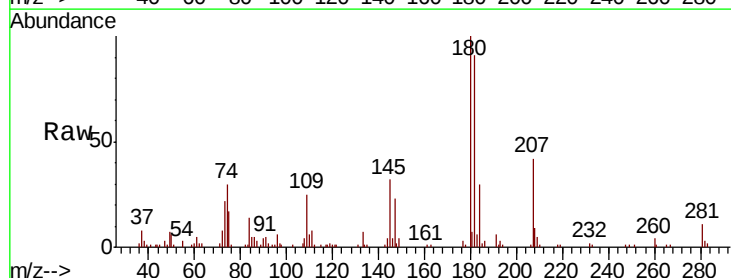


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.026 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060101.D
Acq: 14 Feb 2020 11:06

Tgt Ion:180 Resp: 49270
Ion Ratio Lower Upper
180 100
182 92.1 47.5 142.5
145 31.4 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

