

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060304.D
 Acq On : 2 Mar 2020 12:25
 Operator : JC/MD
 Sample : VN0302WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 05:44:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	320056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152913	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	135792	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
35) Dibromofluoromethane	7.56	113	91062	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	
50) Toluene-d8	10.08	98	398837	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	147333	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	35746	18.218	ug/l	97
3) Chloromethane	2.04	50	61395	17.972	ug/l	98
4) Vinyl Chloride	2.16	62	51305	17.512	ug/l	99
5) Bromomethane	2.55	94	19643	14.973	ug/l	95
6) Chloroethane	2.69	64	28201	17.766	ug/l	97
7) Trichlorofluoromethane	3.00	101	66561	17.782	ug/l	96
8) Diethyl Ether	3.38	74	25673	18.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37434	17.671	ug/l	96
10) Methyl Iodide	3.93	142	36050	18.646	ug/l	99
11) Tert butyl alcohol	4.73	59	39626	97.192	ug/l	99
12) 1,1-Dichloroethene	3.72	96	39086	18.963	ug/l	95
13) Acrolein	3.58	56	39081	102.749	ug/l	99
14) Allyl chloride	4.29	41	68493	18.068	ug/l	95
15) Acrylonitrile	4.95	53	105811	98.461	ug/l	99
16) Acetone	3.78	43	81541	91.961	ug/l	99
17) Carbon Disulfide	4.03	76	101398	18.135	ug/l	100
18) Methyl Acetate	4.29	43	54566	18.440	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	137443	18.412	ug/l	97
20) Methylene Chloride	4.52	84	43197	17.739	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	41179	18.372	ug/l	98
22) Diisopropyl ether	5.92	45	145108	18.897	ug/l	98
23) Vinyl Acetate	5.86	43	589134	96.551	ug/l	99
24) 1,1-Dichloroethane	5.82	63	81799	18.819	ug/l	99
25) 2-Butanone	6.80	43	139143	97.153	ug/l	100
26) 2,2-Dichloropropane	6.79	77	73863	18.666	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	48177	17.062	ug/l	98
28) Bromochloromethane	7.17	49	32508	18.215	ug/l	98
29) Tetrahydrofuran	7.18	42	95212	95.601	ug/l	99
30) Chloroform	7.35	83	79249	18.315	ug/l	97
31) Cyclohexane	7.63	56	73459	18.972	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	70314	18.341	ug/l	99
36) 1,1-Dichloropropene	7.77	75	58836	17.708	ug/l	100
37) Ethyl Acetate	6.90	43	62400	19.834	ug/l	98
38) Carbon Tetrachloride	7.75	117	58595	18.113	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68596	17.510	ug/l	98
40) Benzene	8.02	78	176311	18.231	ug/l	100
41) Methacrylonitrile	7.14	41	27942	19.235	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	64987	18.622	ug/l	100
43) Isopropyl Acetate	8.14	43	104451	18.964	ug/l	99
44) Trichloroethene	8.82	130	47443	17.615	ug/l	98
45) 1,2-Dichloropropane	9.10	63	47869	18.932	ug/l	97
46) Dibromomethane	9.19	93	29392	17.915	ug/l	99
47) Bromodichloromethane	9.39	83	61643	18.474	ug/l	98
48) Methyl methacrylate	9.18	41	45491	18.112	ug/l	100
49) 1,4-Dioxane	9.18	88	13083	370.410	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	304424	97.483	ug/l	99
52) Toluene	10.14	92	107874	17.758	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71991	17.608	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	76535	18.065	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43938	17.986	ug/l	99
56) Ethyl methacrylate	10.42	69	65209	18.580	ug/l	99
57) 1,3-Dichloropropane	10.70	76	75066	18.842	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	176081	95.927	ug/l	99
59) 2-Hexanone	10.74	43	220363	96.109	ug/l	100
60) Dibromochloromethane	10.89	129	45144	18.171	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43009	18.060	ug/l	100
64) Tetrachloroethene	10.62	164	50315	19.092	ug/l	99
65) Chlorobenzene	11.43	112	113959	17.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	44459	18.605	ug/l	98
67) Ethyl Benzene	11.50	91	212962	18.095	ug/l	100
68) m/p-Xylenes	11.62	106	156171	35.170	ug/l	99
69) o-Xylene	11.94	106	76947	18.172	ug/l	97
70) Styrene	11.96	104	120717	17.340	ug/l	99
71) Bromoform	12.12	173	31050	18.029	ug/l #	97
73) Isopropylbenzene	12.25	105	206081	18.183	ug/l	100
74) N-amyl acetate	12.07	43	90354	18.244	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	59009	19.154	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	83941	25.020	ug/l #	100
77) Bromobenzene	12.52	156	49686	17.884	ug/l	99
78) n-propylbenzene	12.59	91	240613	18.111	ug/l	100
79) 2-Chlorotoluene	12.67	91	140826	18.033	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	174219	18.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22454	18.475	ug/l #	87
82) 4-Chlorotoluene	12.77	91	146384	17.792	ug/l	98
83) tert-Butylbenzene	12.99	119	150395	18.203	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	173266	17.989	ug/l	99
85) sec-Butylbenzene	13.17	105	200289	18.103	ug/l	99
86) p-Isopropyltoluene	13.29	119	182792	17.851	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	89249	18.576	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87903	18.300	ug/l	99
89) n-Butylbenzene	13.61	91	165061	17.560	ug/l	99
90) Hexachloroethane	13.87	117	24402	16.463	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	86226	17.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13165	18.870	ug/l	92

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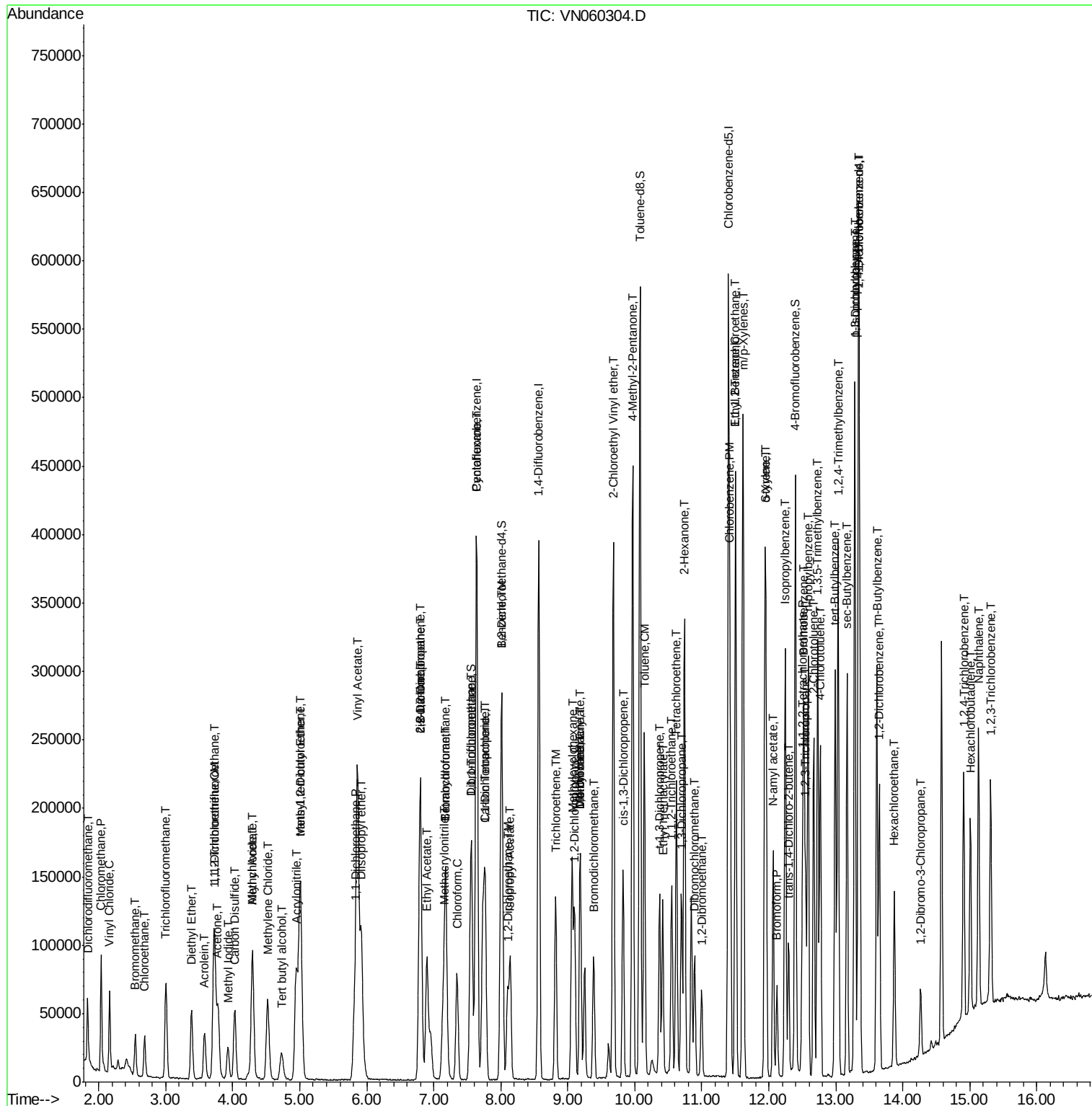
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56770	18.409	ug/l	99
94) Hexachlorobutadiene	15.01	225	27831	19.221	ug/l	98
95) Naphthalene	15.13	128	170826	18.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	55700	19.007	ug/l	99

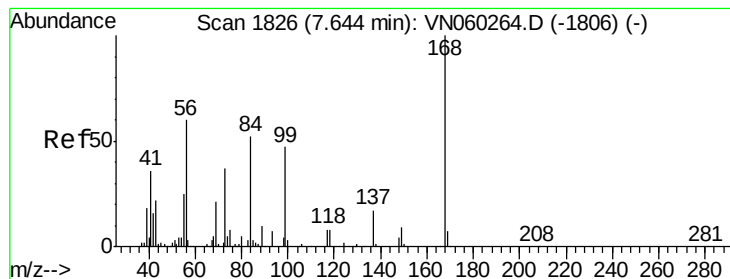
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

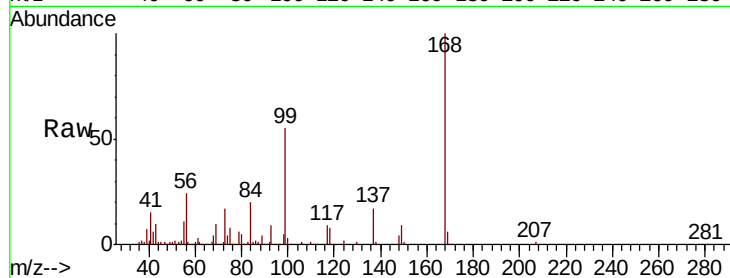
ClientSampled :

Tot Ion:168 Resp: 214008

Ion Ratio Lower Upper

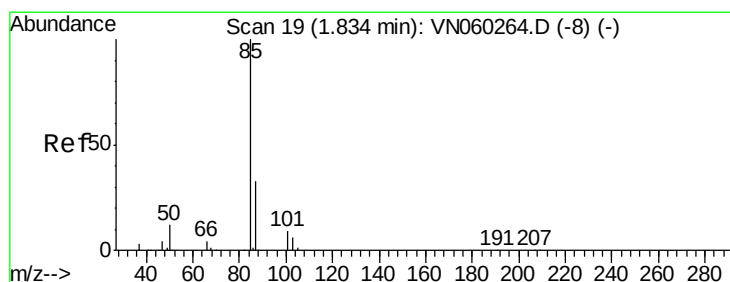
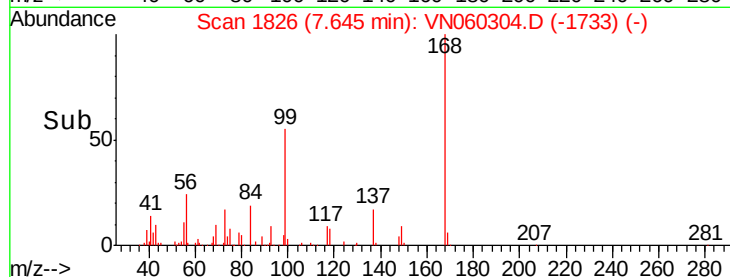
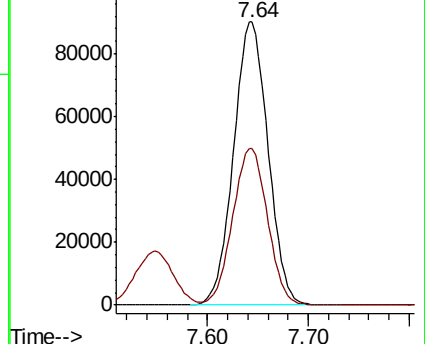
168 100

99 55.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.218 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060304.D

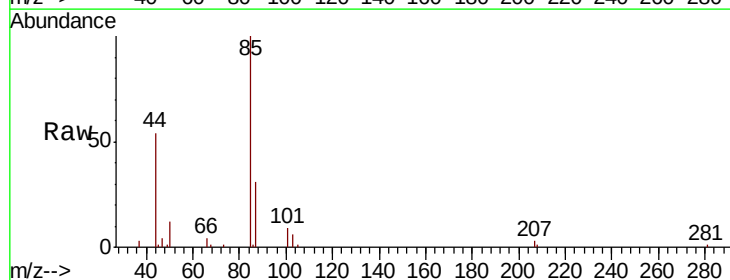
Acq: 2 Mar 2020 12:25

Tgt Ion: 85 Resp: 35746

Ion Ratio Lower Upper

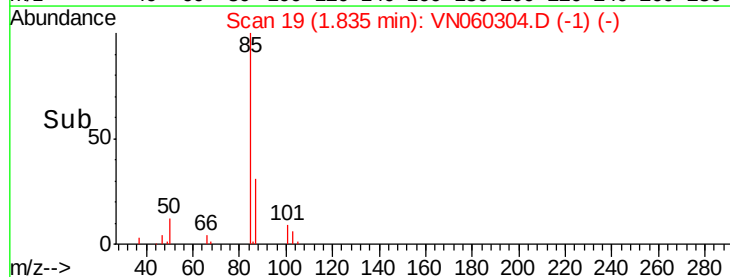
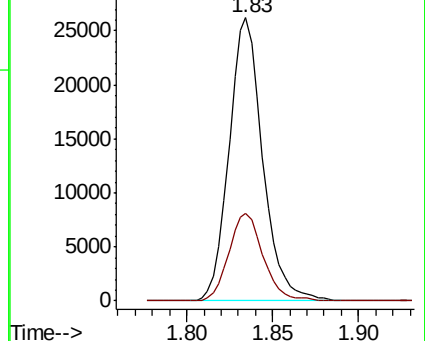
85 100

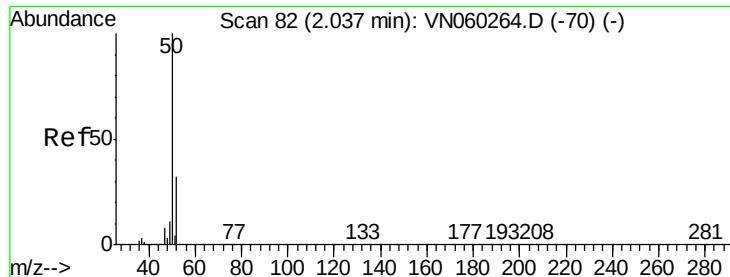
87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.972 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

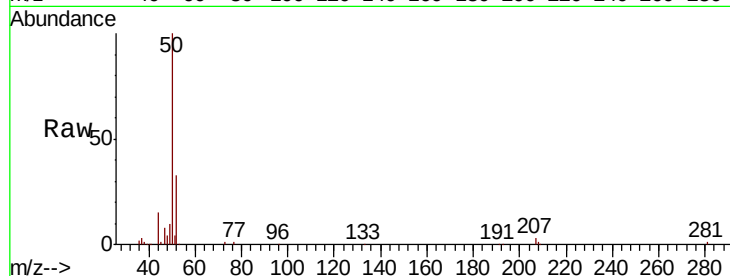
ClientSampled :

Tot Ion: 50 Resp: 61395

Ion Ratio Lower Upper

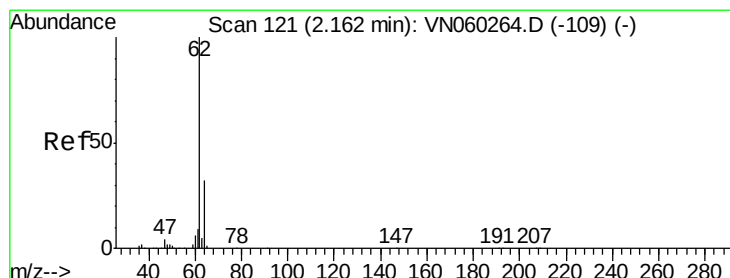
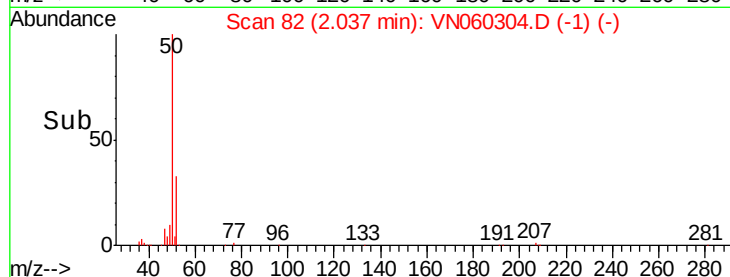
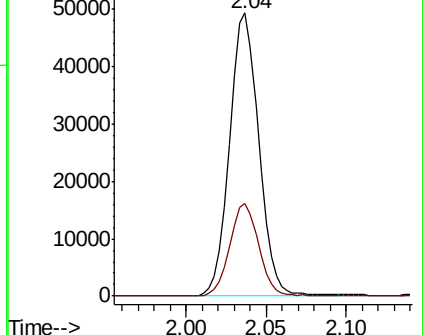
50 100

52 32.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060304.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060304.D (-1) (-)



#4

Vinyl Chloride

Concen: 17.512 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060304.D

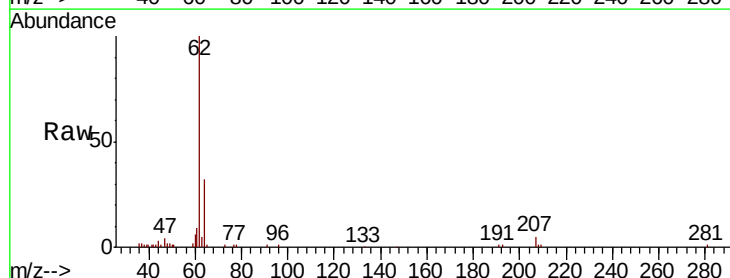
Acq: 2 Mar 2020 12:25

Tgt Ion: 62 Resp: 51305

Ion Ratio Lower Upper

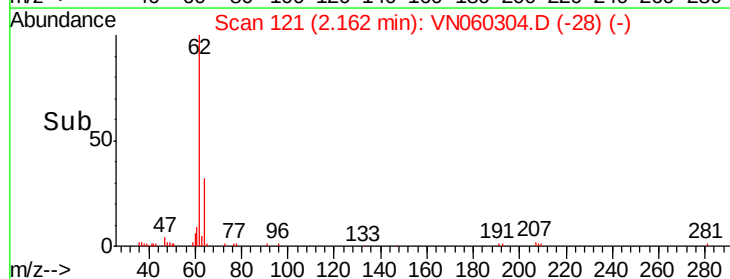
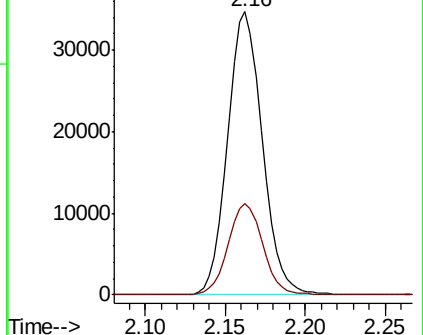
62 100

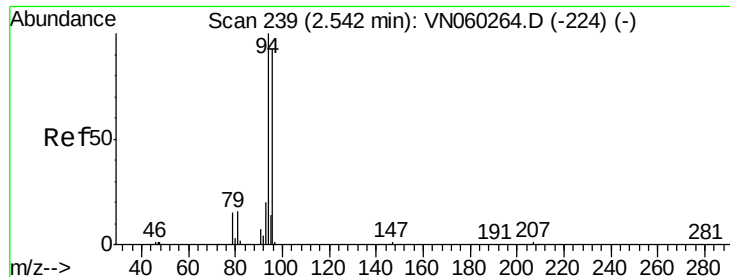
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060304.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN060304.D (-28) (-)





#5

Bromomethane

Concen: 14.973 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

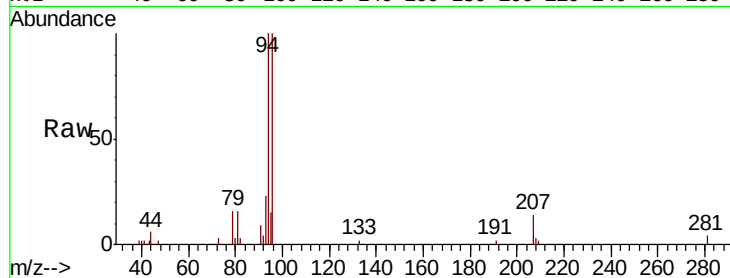
ClientSampled :

Tot Ion: 94 Resp: 19643

Ion Ratio Lower Upper

94 100

96 97.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

12000

10000

8000

6000

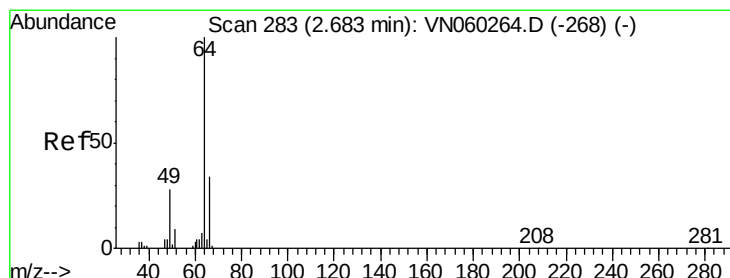
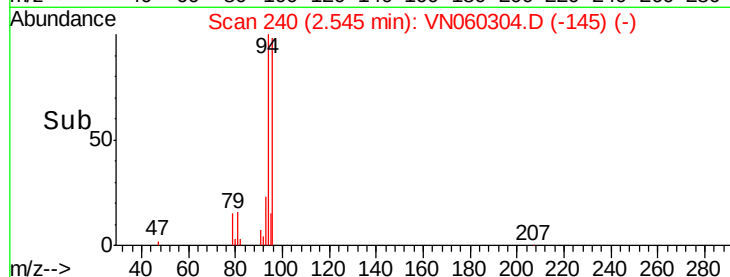
4000

2000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 17.766 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060304.D

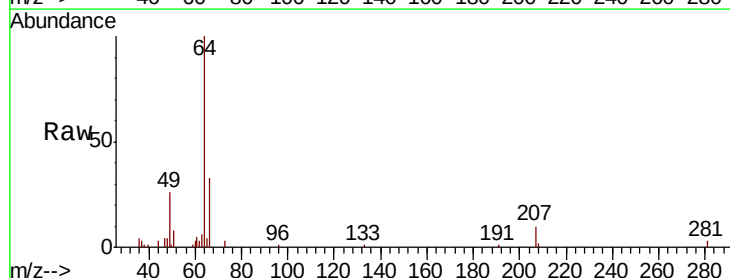
Acq: 2 Mar 2020 12:25

Tgt Ion: 64 Resp: 28201

Ion Ratio Lower Upper

64 100

66 32.7 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

15000

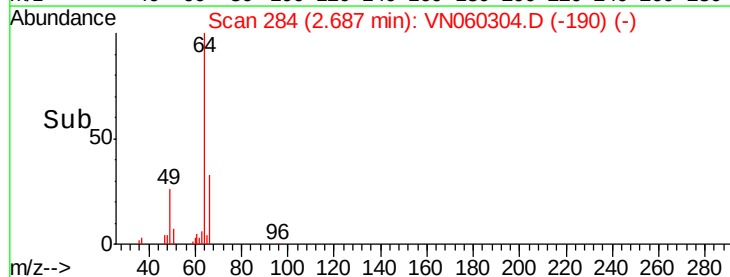
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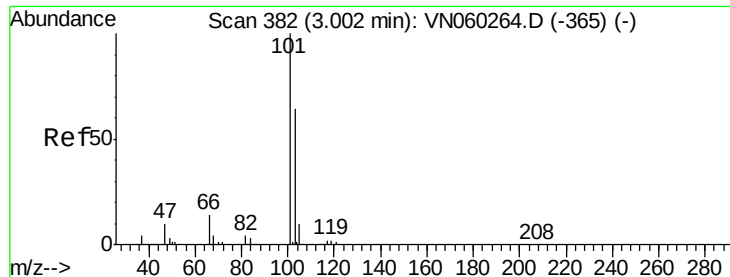
5000

0

Time-->

2.60 2.65 2.70 2.75



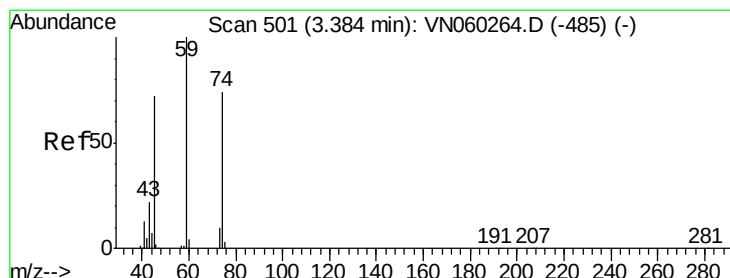
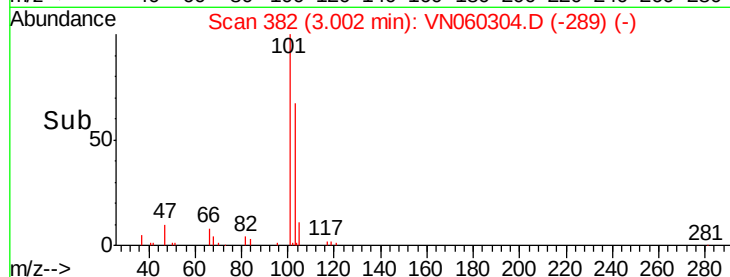
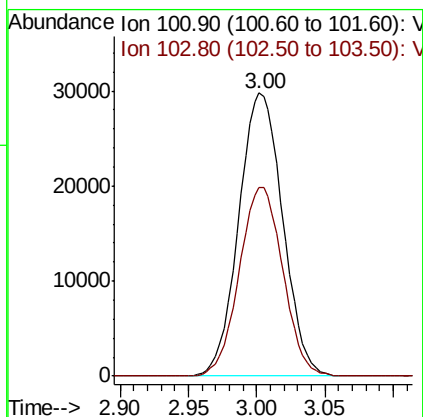
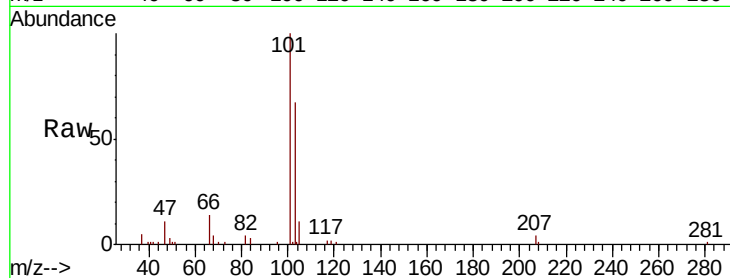


#7

Trichlorofluoromethane
 Concen: 17.782 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

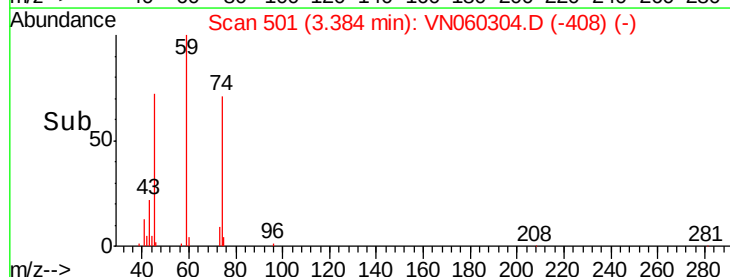
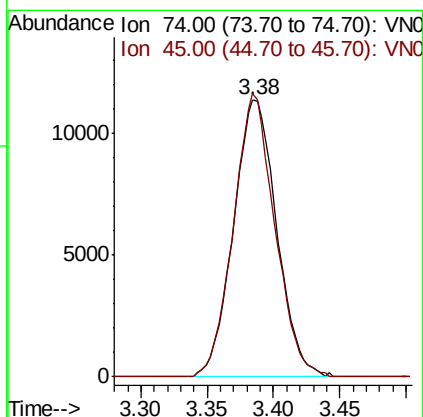
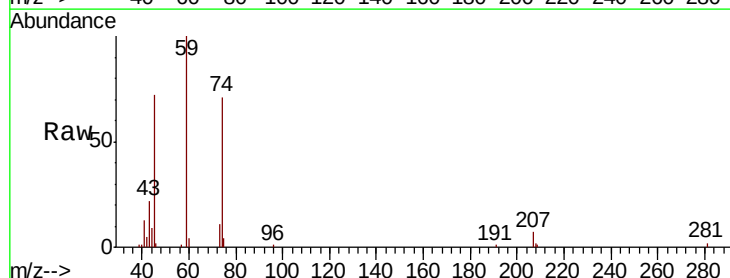
Tot Ion:101 Resp: 66561
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.3 76.9

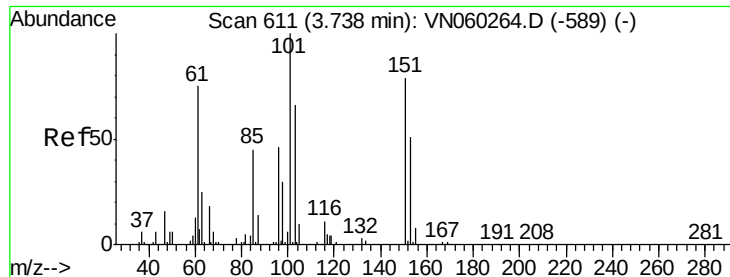


#8

Diethyl Ether
 Concen: 18.166 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 74 Resp: 25673
 Ion Ratio Lower Upper
 74 100
 45 98.0 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.671 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

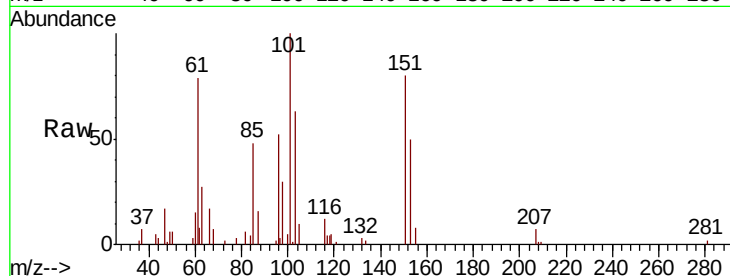
Tot Ion:101 Resp: 37434

Ion Ratio Lower Upper

101 100

85 46.7 35.4 53.2

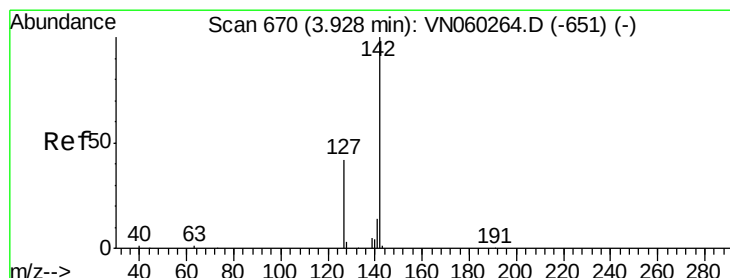
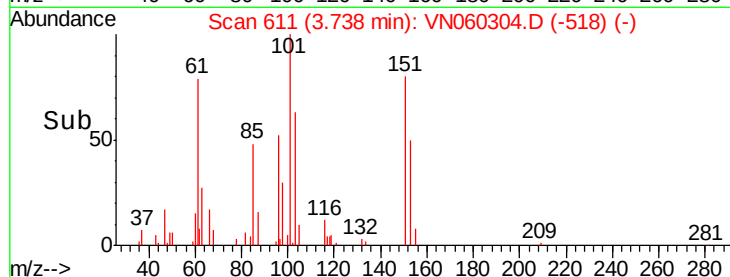
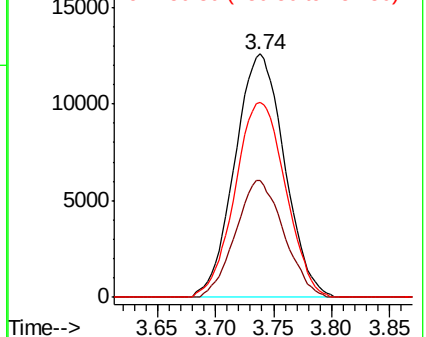
151 81.5 62.0 93.0



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: 18.646 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

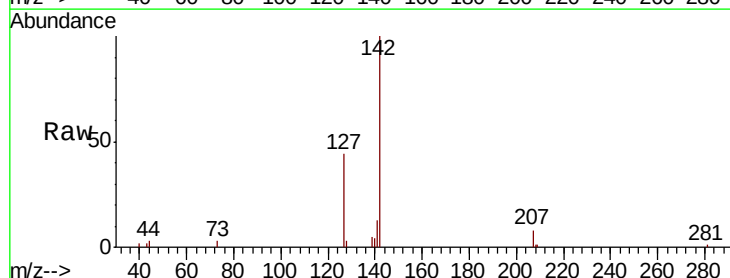
Tgt Ion:142 Resp: 36050

Ion Ratio Lower Upper

142 100

127 42.8 33.8 50.6

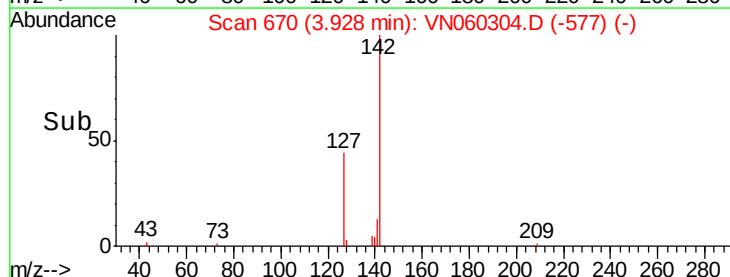
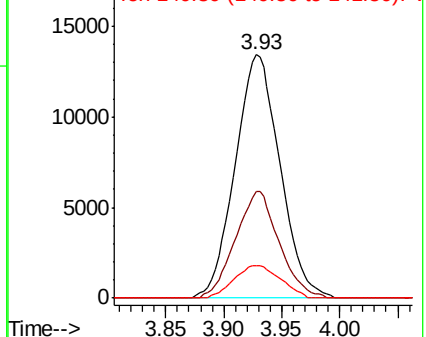
141 13.8 11.1 16.7

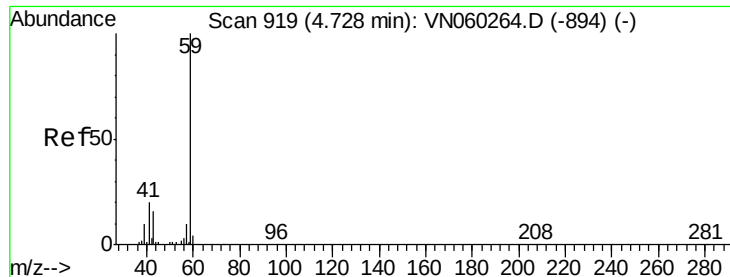


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



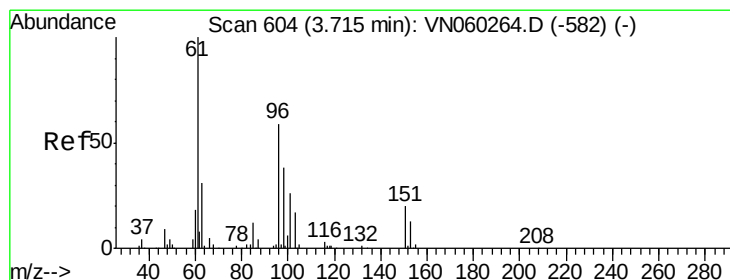
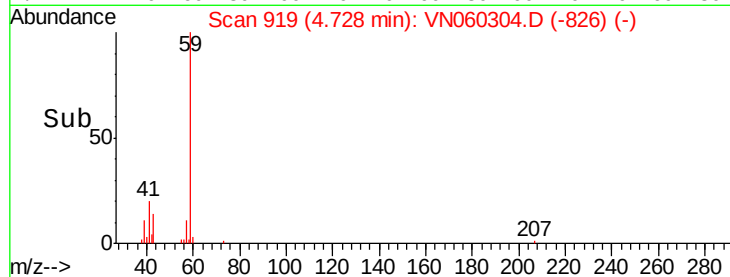
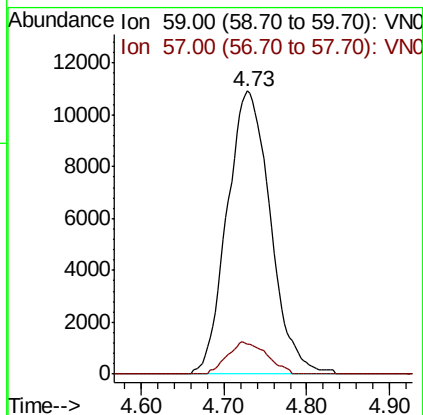
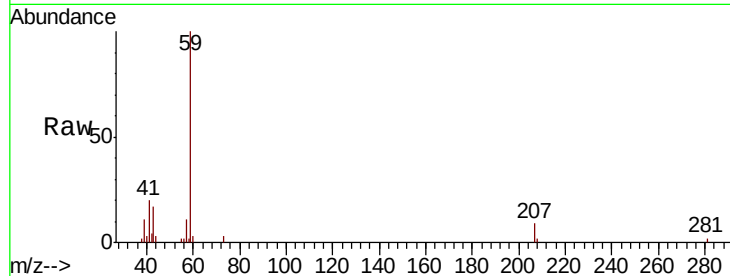


#11

Tert butyl alcohol
 Concen: 97.192 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

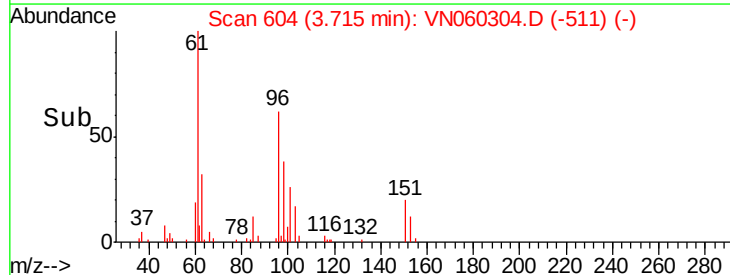
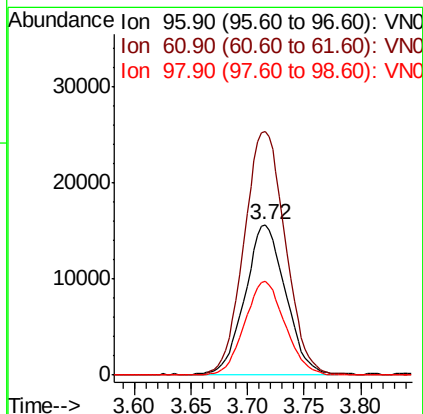
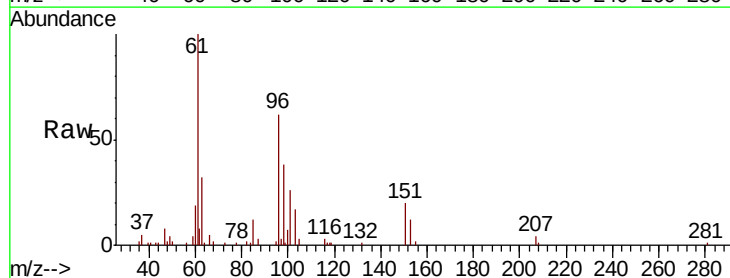
Tot Ion: 59 Resp: 39626
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

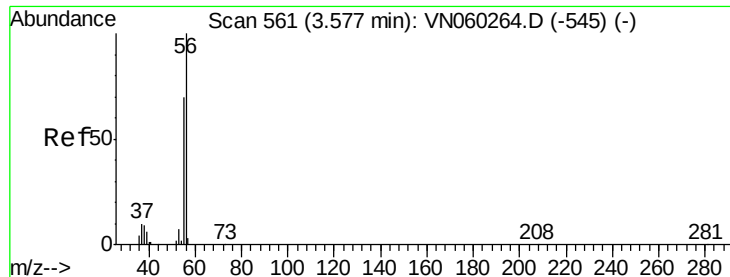


#12

1,1-Dichloroethene
 Concen: 18.963 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 96 Resp: 39086
 Ion Ratio Lower Upper
 96 100
 61 161.7 135.4 203.0
 98 61.9 51.6 77.4

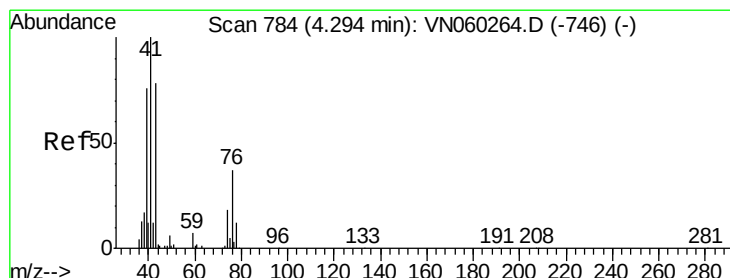
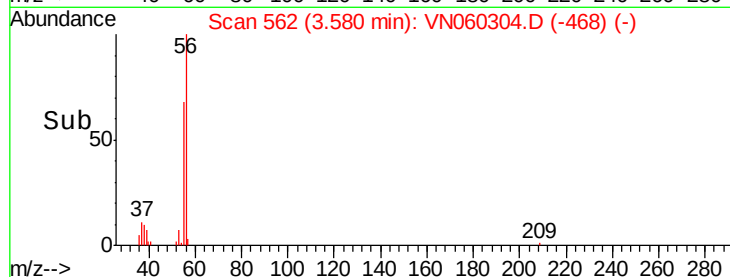
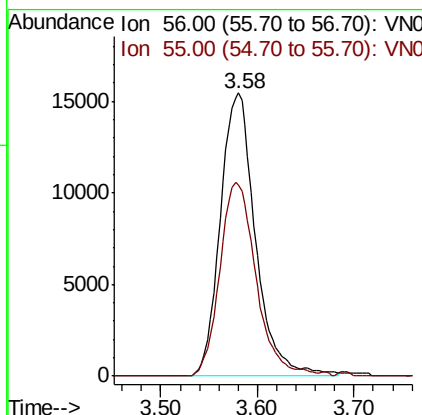
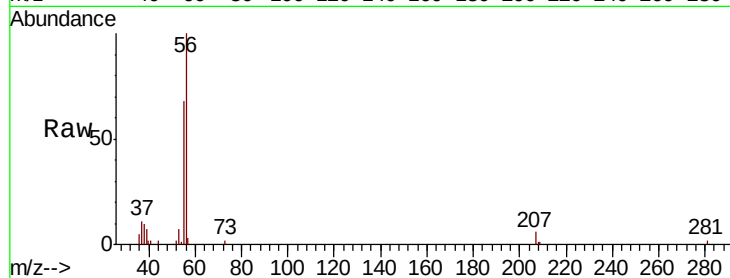




#13
Acrolein
Concen: 102.749 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

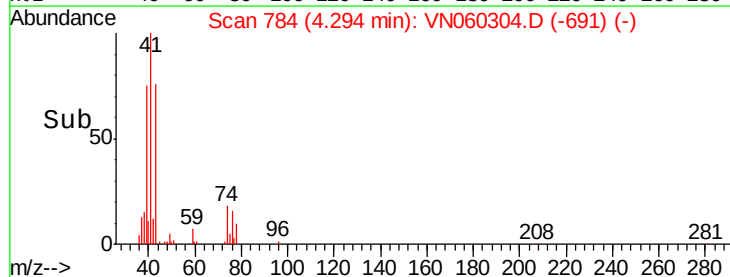
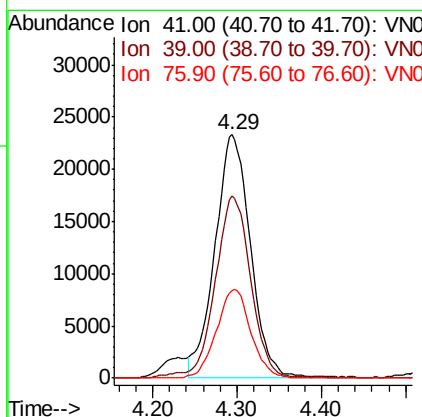
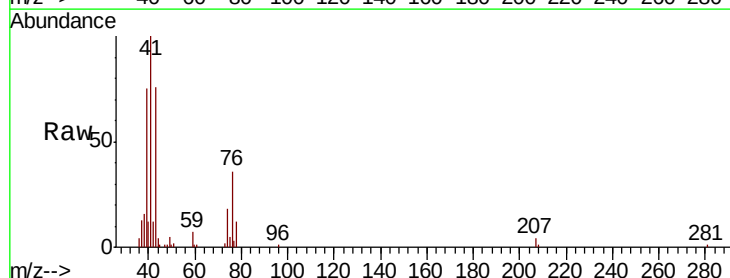
Instrument :
MSVOA_N
ClientSampleId :

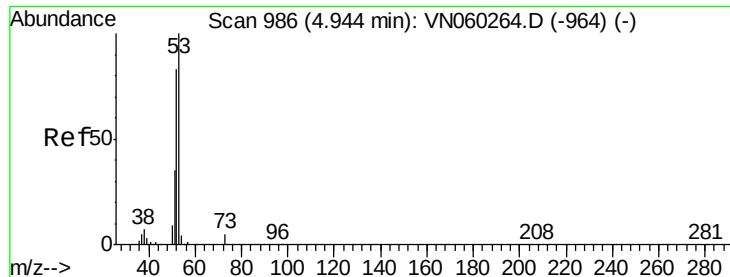
Tot Ion: 56 Resp: 39081
Ion Ratio Lower Upper
56 100
55 70.6 57.4 86.0



#14
Allyl chloride
Concen: 18.068 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 41 Resp: 68493
Ion Ratio Lower Upper
41 100
39 74.5 55.4 83.2
76 35.1 27.0 40.6





#15

Acrylonitrile

Concen: 98.461 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

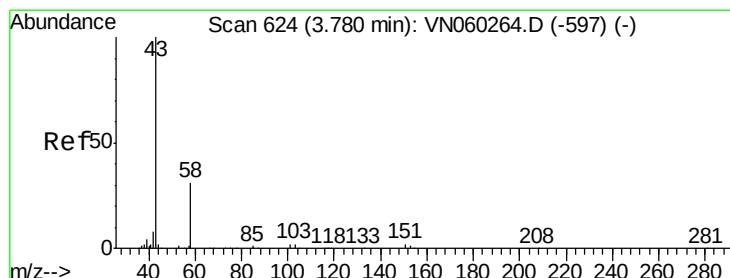
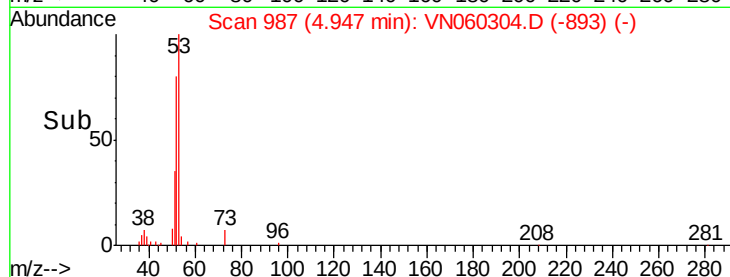
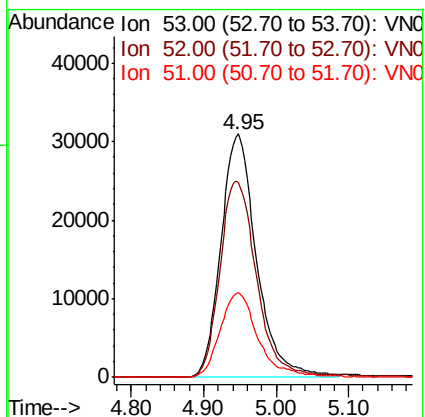
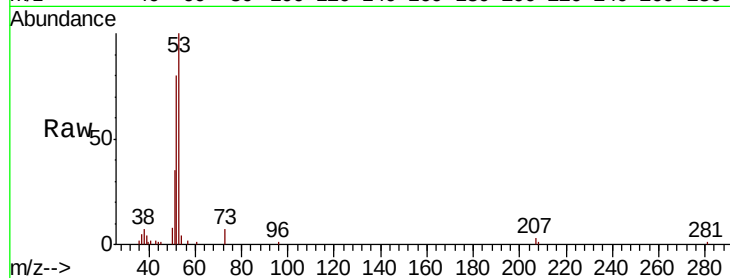
Tot Ion: 53 Resp: 105811

Ion Ratio Lower Upper

53 100

52 82.3 66.8 100.2

51 36.7 29.0 43.6



#16

Acetone

Concen: 91.961 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060304.D

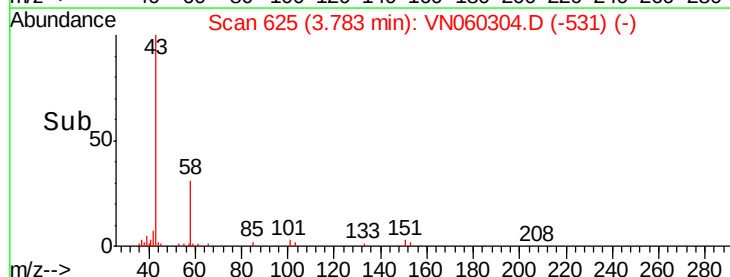
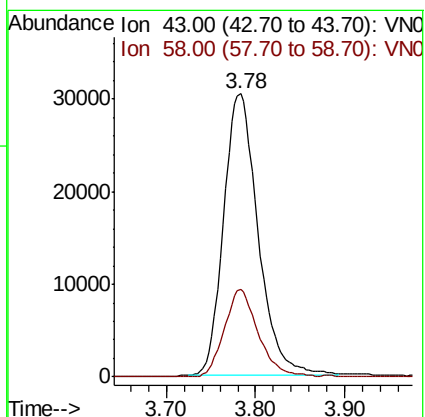
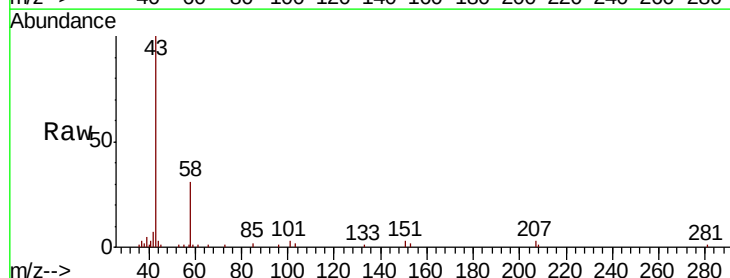
Acq: 2 Mar 2020 12:25

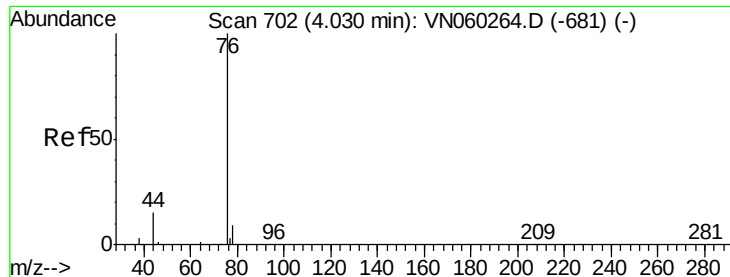
Tgt Ion: 43 Resp: 81541

Ion Ratio Lower Upper

43 100

58 31.3 24.6 36.8

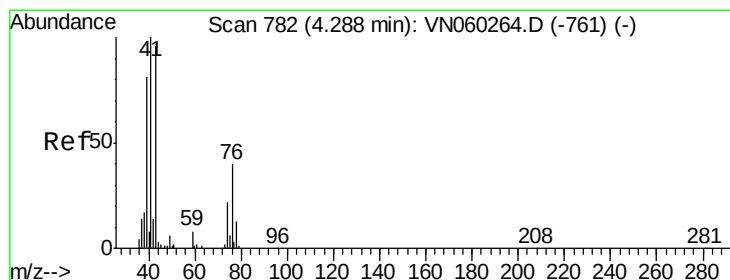
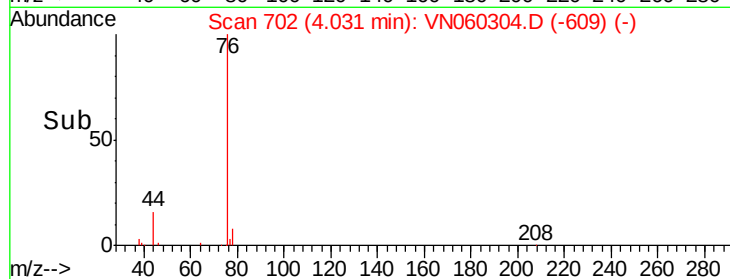
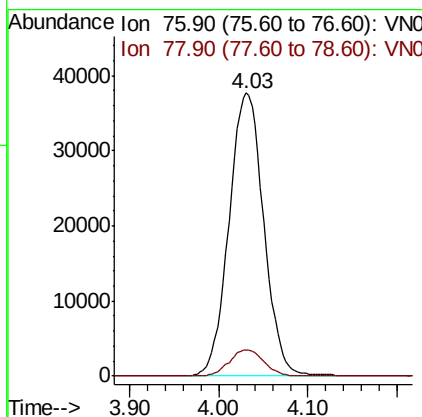
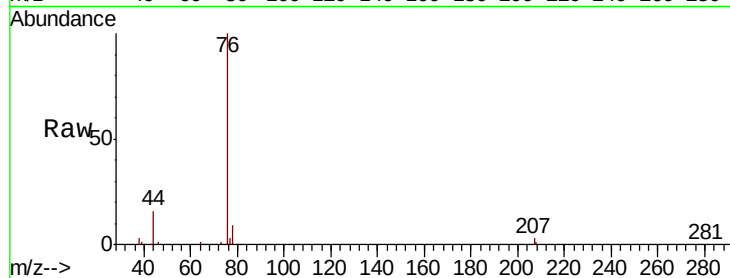




#17
Carbon Disulfide
Concen: 18.135 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

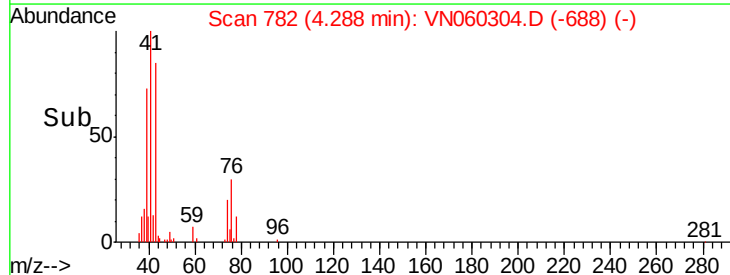
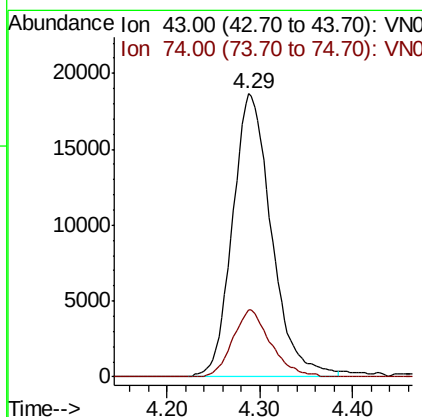
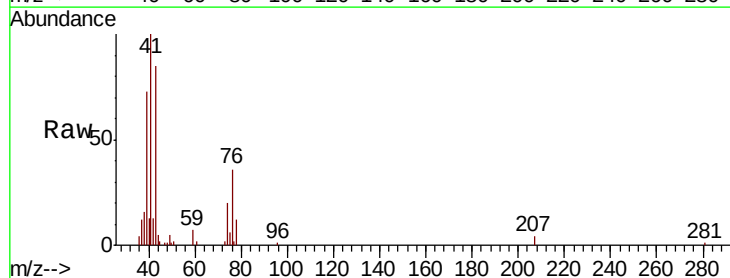
Instrument :
MSVOA_N
ClientSampleId :

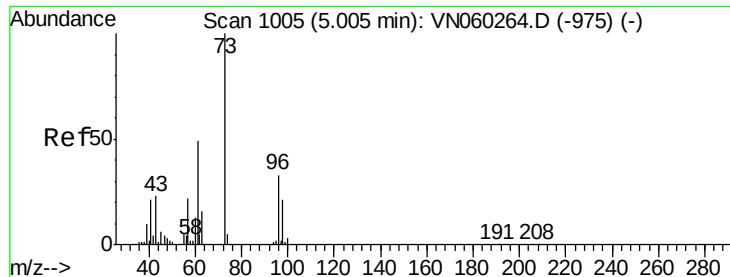
Tot Ion: 76 Resp: 101398
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 18.440 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 43 Resp: 54566
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2



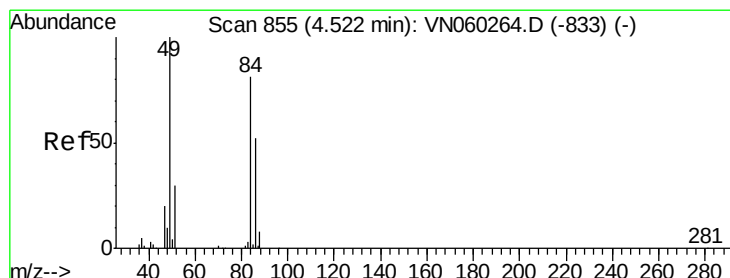
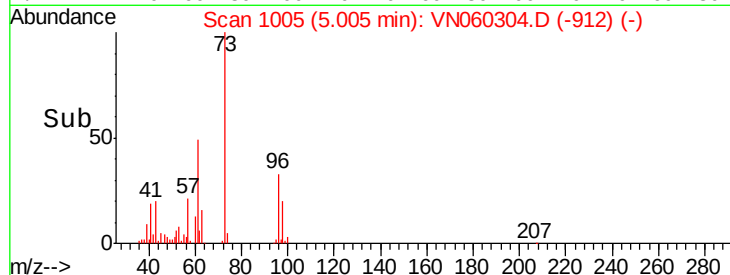
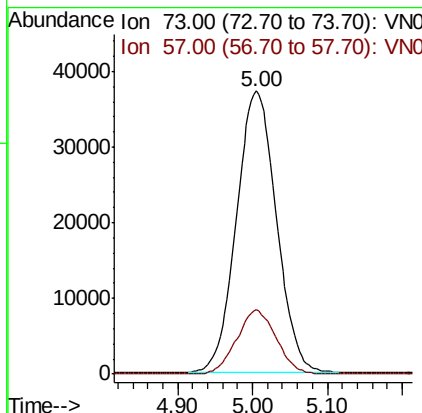
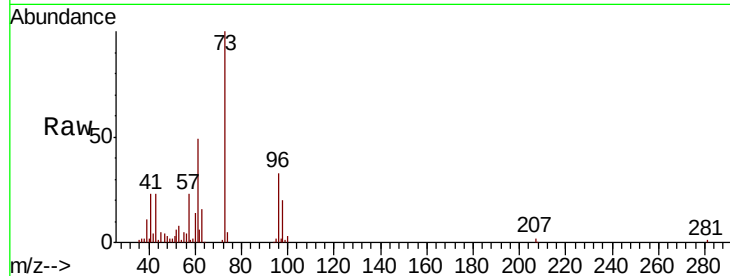


#19

Methyl tert-butyl Ether
 Concen: 18.412 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

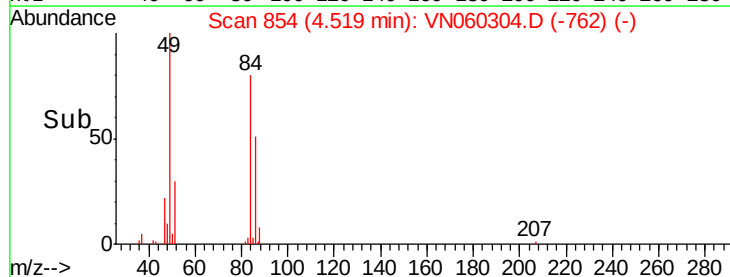
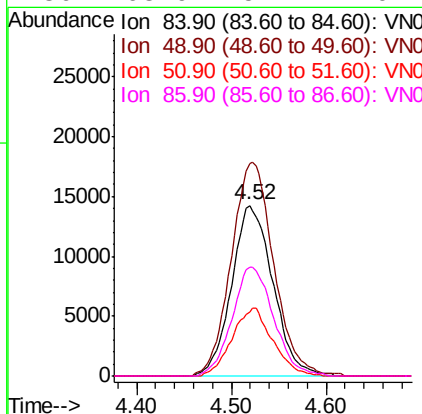
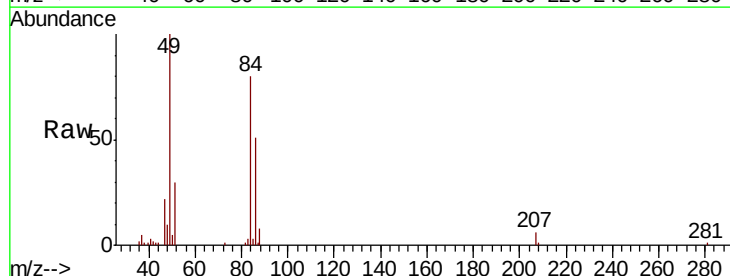
Tot Ion: 73 Resp: 137443
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.3 25.9

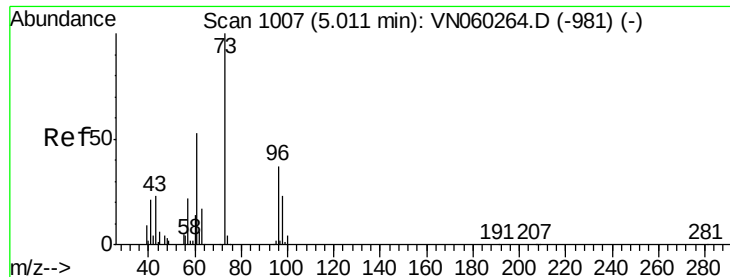


#20

Methylene Chloride
 Concen: 17.739 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 84 Resp: 43197
 Ion Ratio Lower Upper
 84 100
 49 124.4 99.3 148.9
 51 37.9 30.1 45.1
 86 63.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.372 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

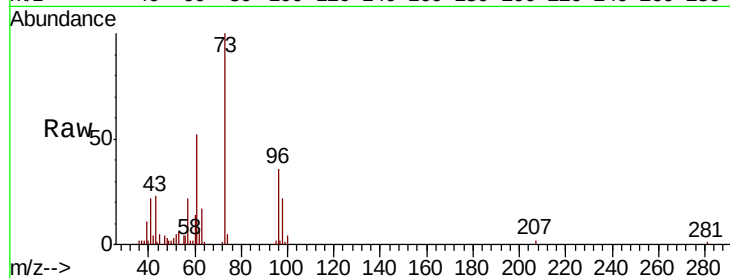
Tot Ion: 96 Resp: 41179

Ion Ratio Lower Upper

96 100

61 145.9 113.8 170.8

98 62.2 48.8 73.2

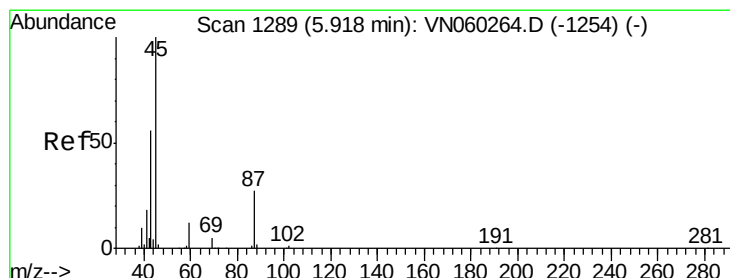
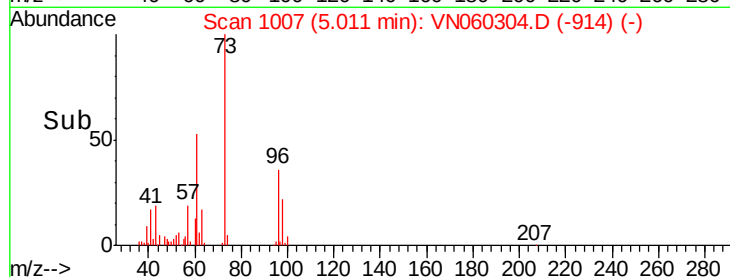
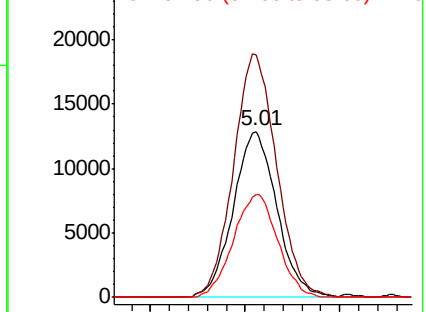


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 18.897 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion: 45 Resp: 145108

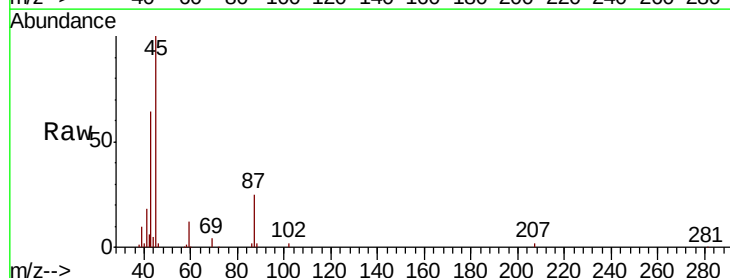
Ion Ratio Lower Upper

45 100

43 62.2 48.6 72.8

87 25.5 22.2 33.2

59 12.0 9.5 14.3



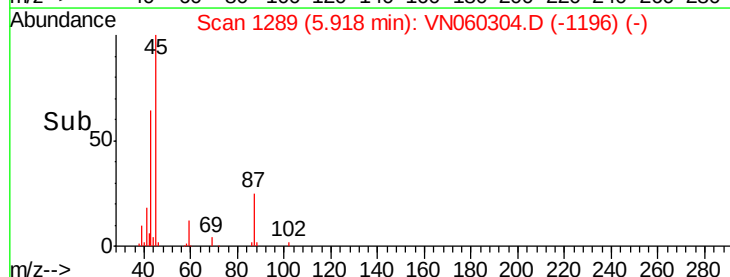
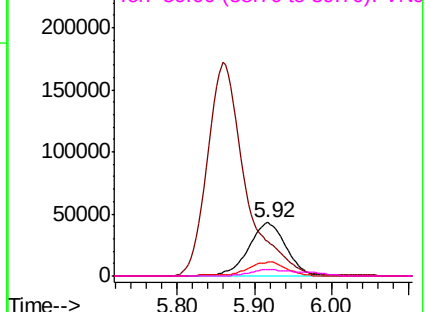
Abundance

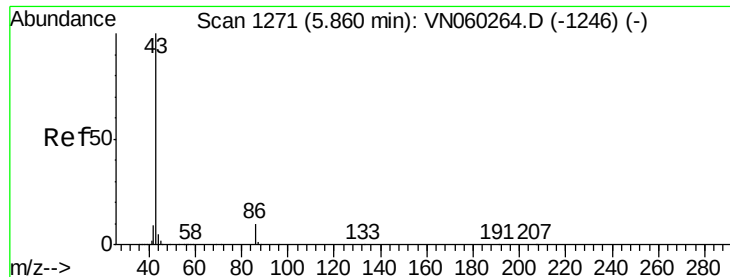
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 96.551 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

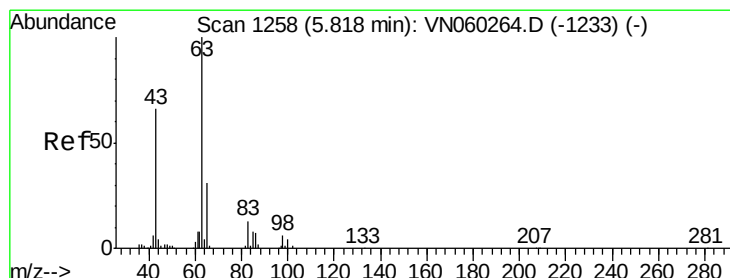
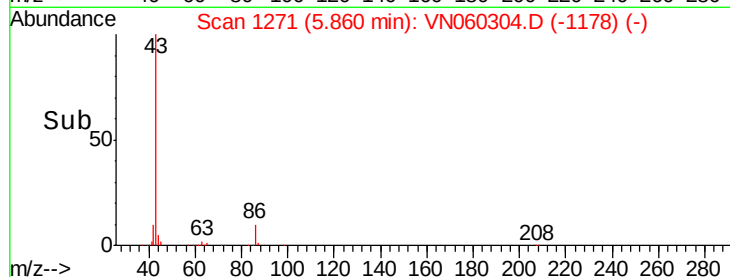
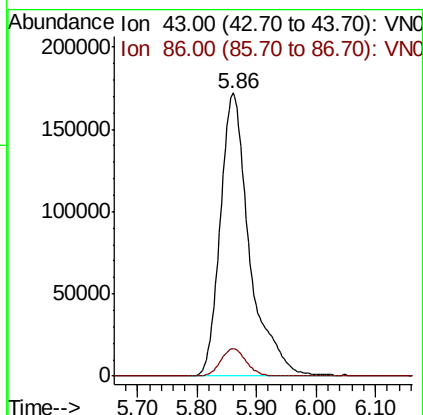
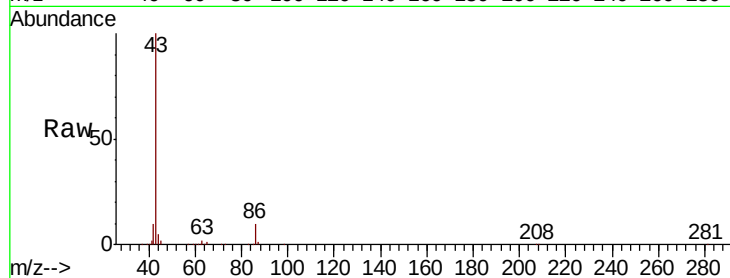
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 589134

Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0



#24

1,1-Dichloroethane

Concen: 18.819 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

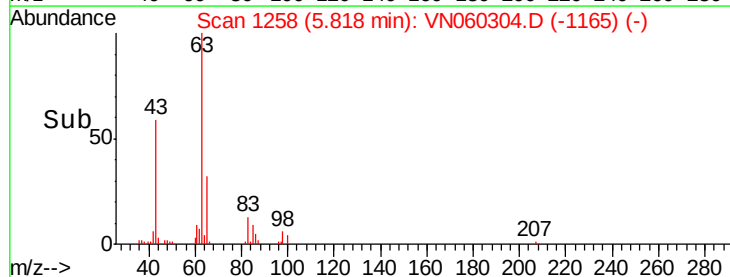
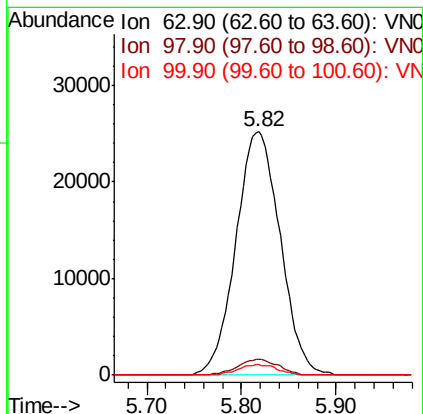
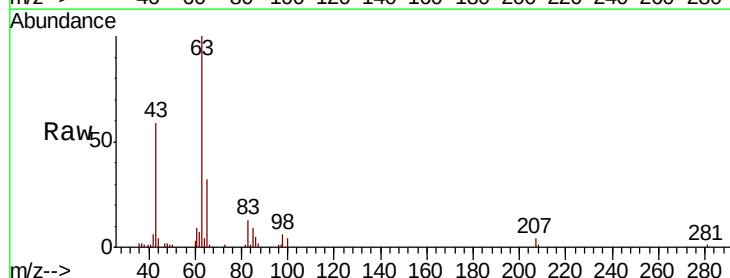
Tgt Ion: 63 Resp: 81799

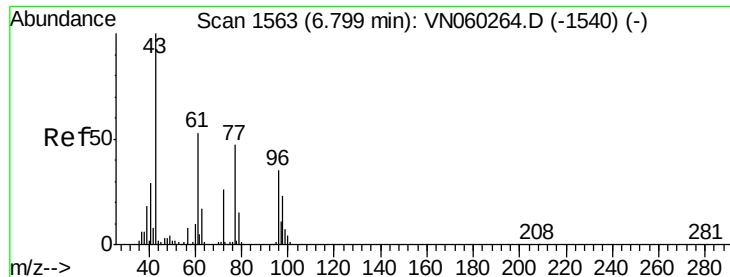
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

100 4.1 2.0 6.0

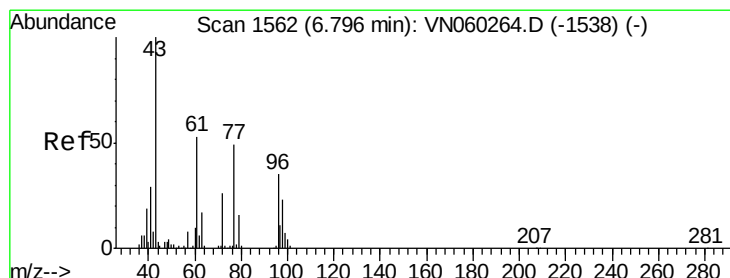
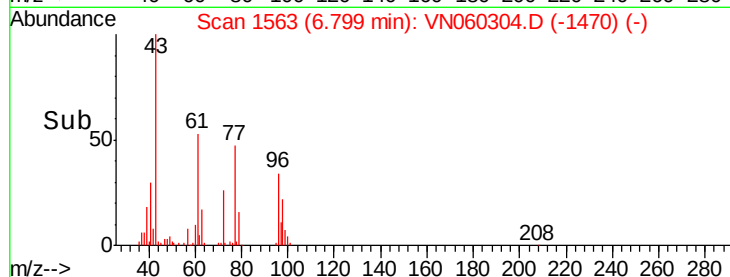
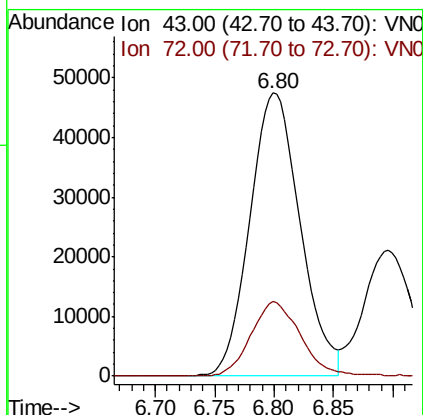
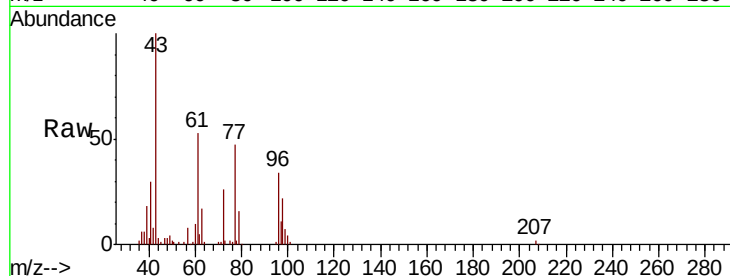




#25
2-Butanone
Concen: 97.153 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

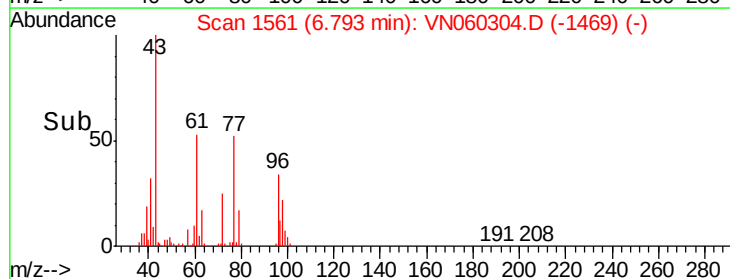
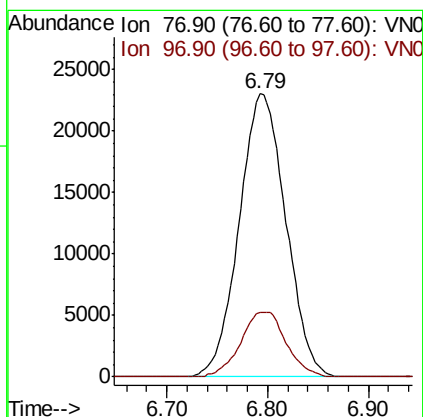
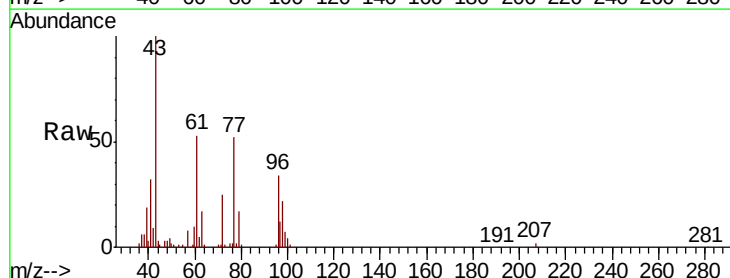
Instrument :
MSVOA_N
ClientSampleId :

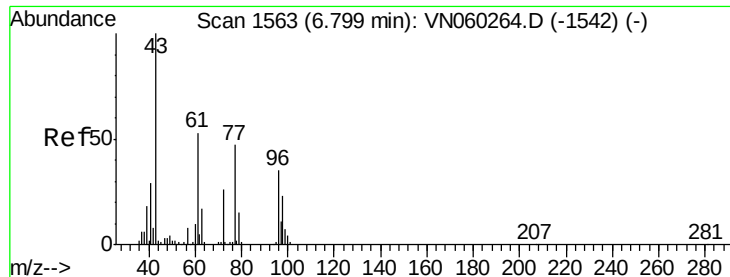
Tot Ion: 43 Resp: 139143
Ion Ratio Lower Upper
43 100
72 26.3 20.9 31.3



#26
2,2-Dichloropropane
Concen: 18.666 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 77 Resp: 73863
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.062 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :

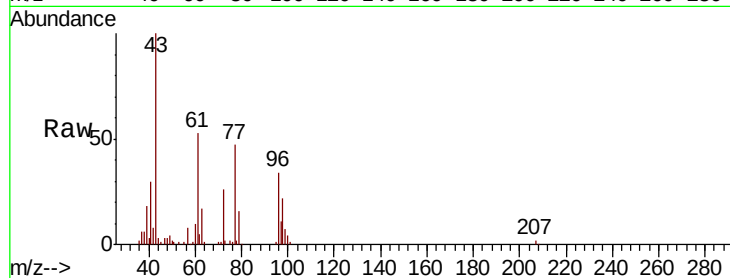
Tot Ion: 96 Resp: 48177

Ion Ratio Lower Upper

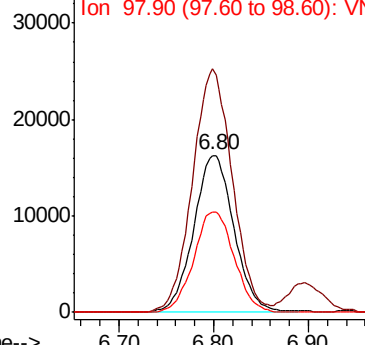
96 100

61 153.3 0.0 300.8

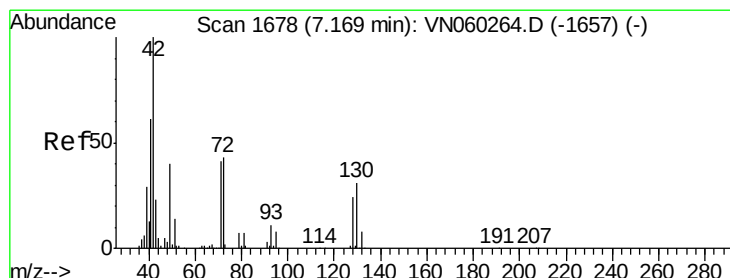
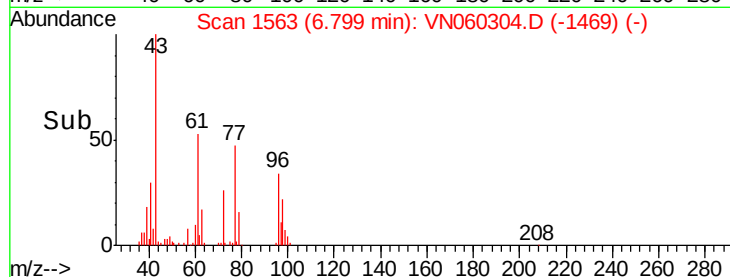
98 64.1 0.0 128.2



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



Time-->



#28

Bromochloromethane

Concen: 18.215 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

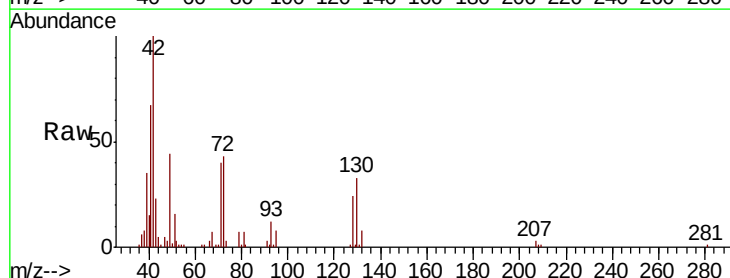
Tgt Ion: 49 Resp: 32508

Ion Ratio Lower Upper

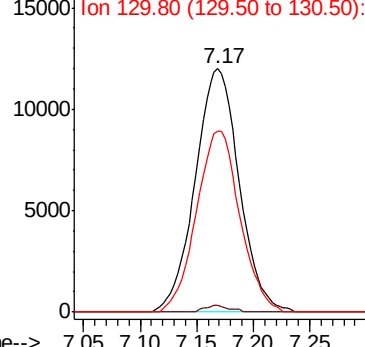
49 100

129 1.6 0.0 3.8

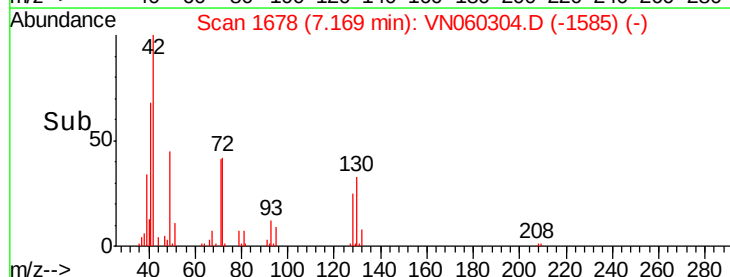
130 73.2 59.8 89.8

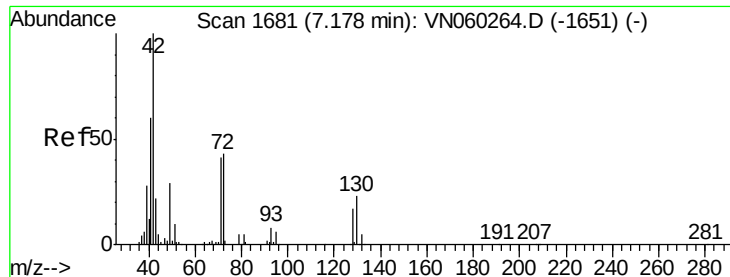


Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



Time-->

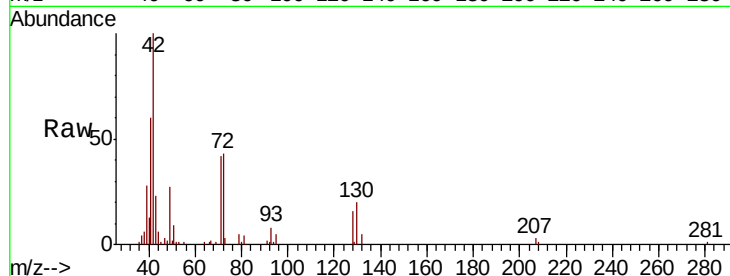




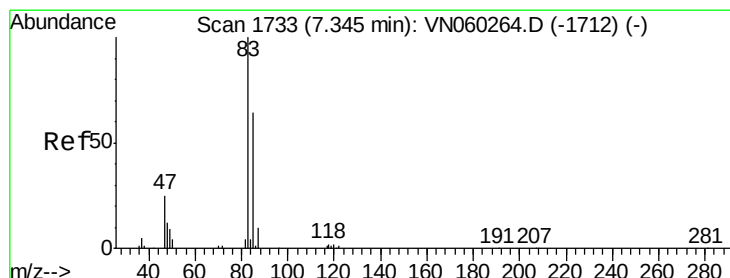
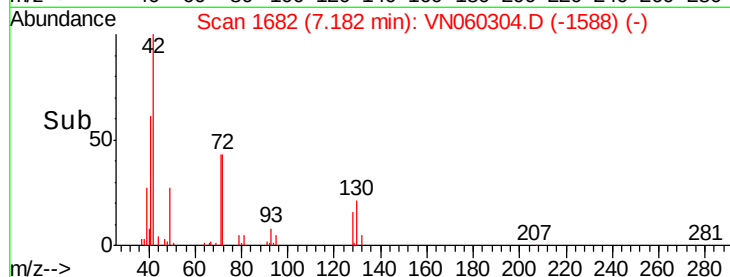
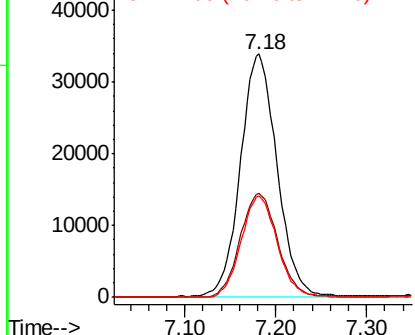
#29
Tetrahydrofuran
Concen: 95.601 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 95212
Ion Ratio Lower Upper
42 100
72 43.5 34.6 52.0
71 40.7 32.9 49.3

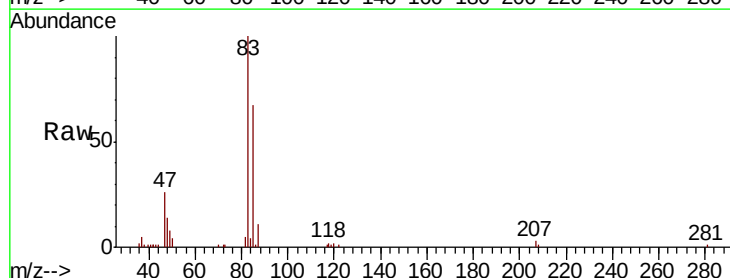


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

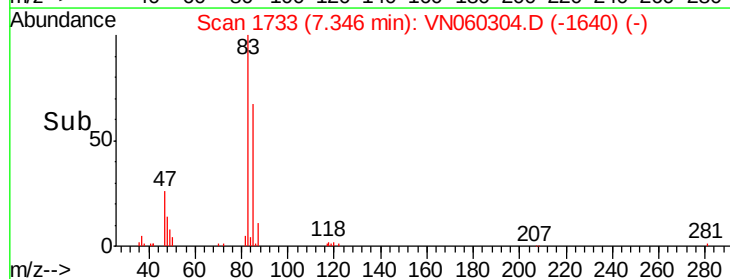
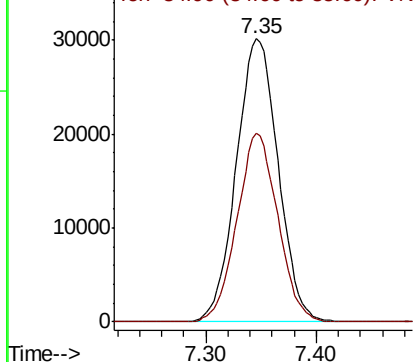


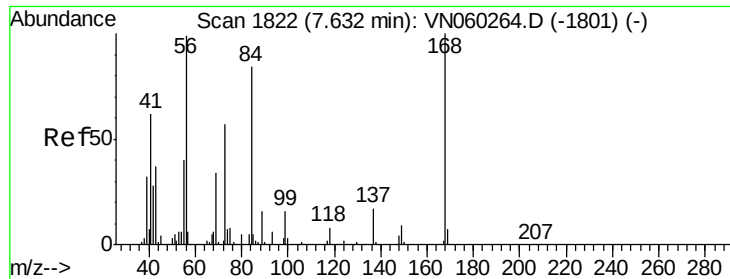
#30
Chloroform
Concen: 18.315 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 83 Resp: 79249
Ion Ratio Lower Upper
83 100
85 66.5 51.4 77.2



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

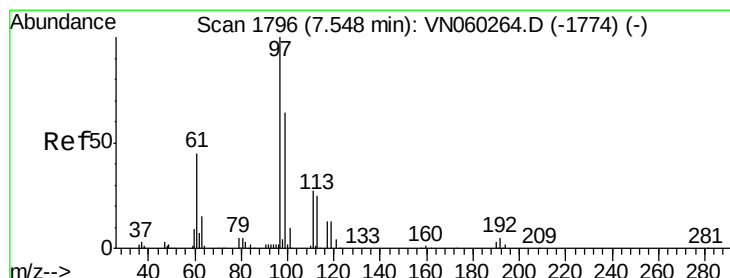
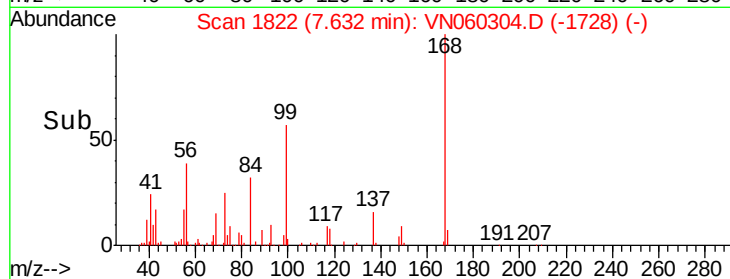
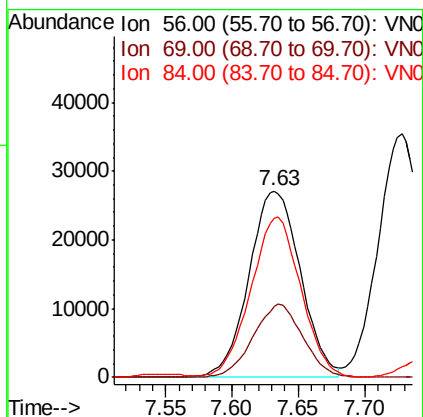
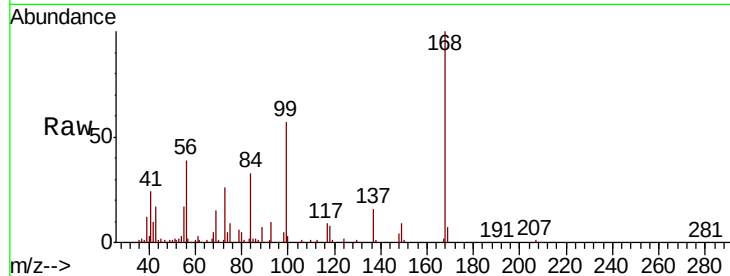




#31
Cyclohexane
Concen: 18.972 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

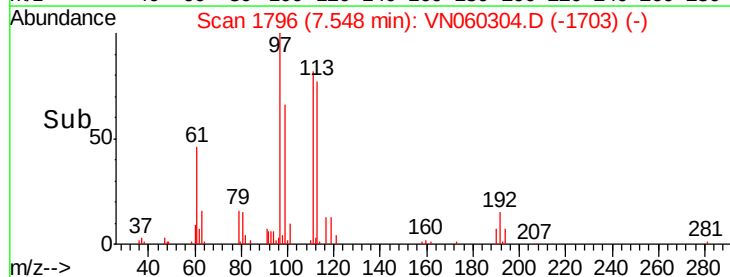
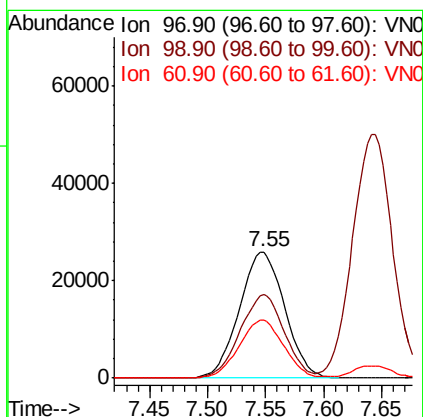
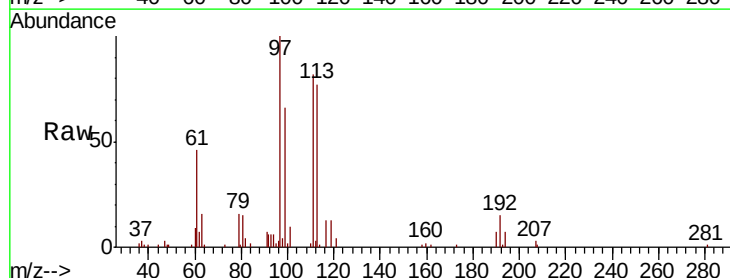
Instrument :
MSVOA_N
ClientSampleId :

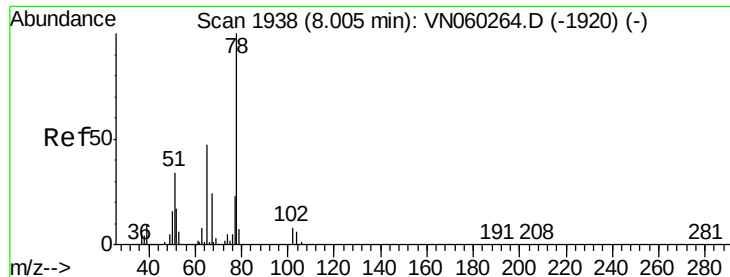
Tot Ion: 56 Resp: 73459
Ion Ratio Lower Upper
56 100
69 38.1 27.2 40.8
84 84.8 66.7 100.1



#32
1,1,1-Trichloroethane
Concen: 18.341 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 97 Resp: 70314
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 45.5 36.6 55.0

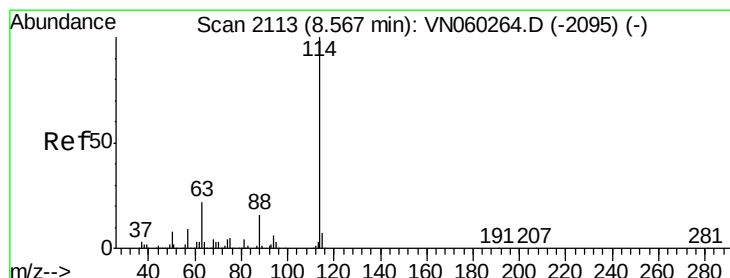
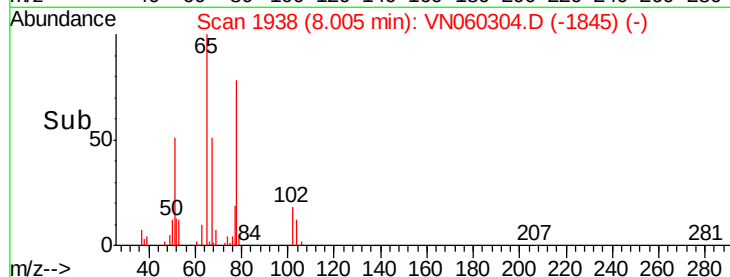
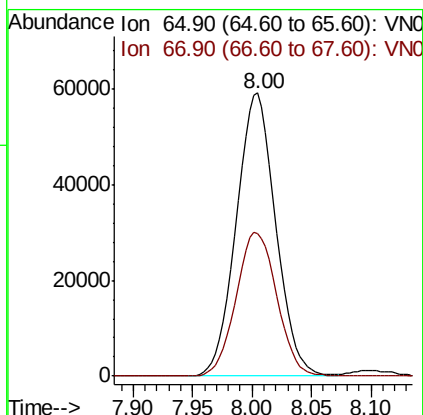
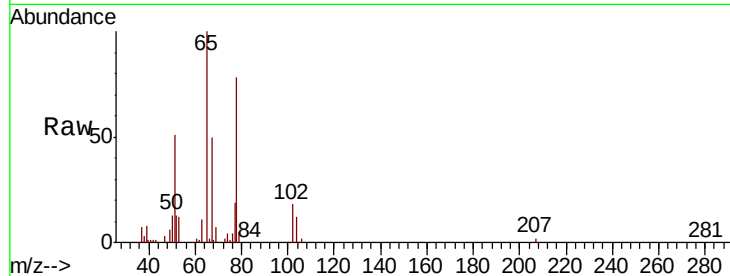




#33
 1,2-Dichloroethane-d4
 Concen: 49.455 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

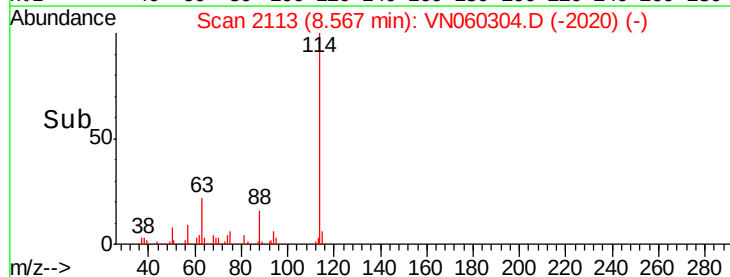
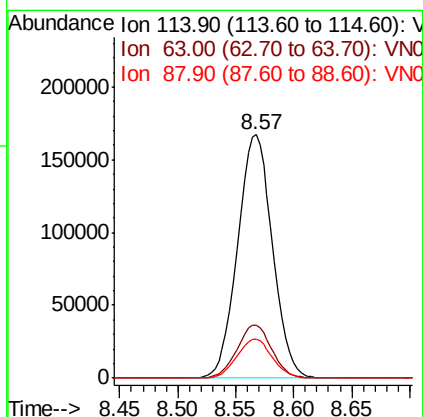
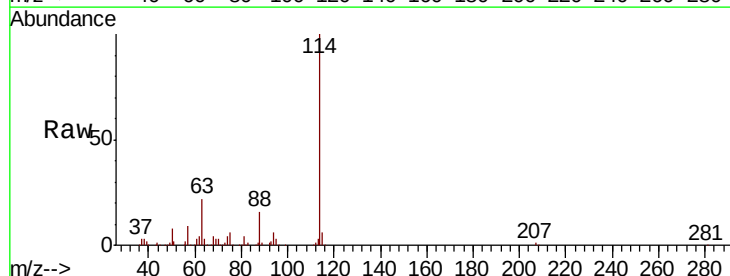
Instrument :
 MSVOA_N
 ClientSampleId :

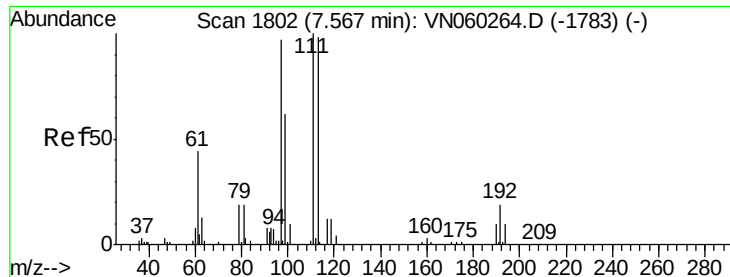
Tot Ion: 65 Resp: 135792
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 114 Resp: 348631
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.1 0.0 31.6

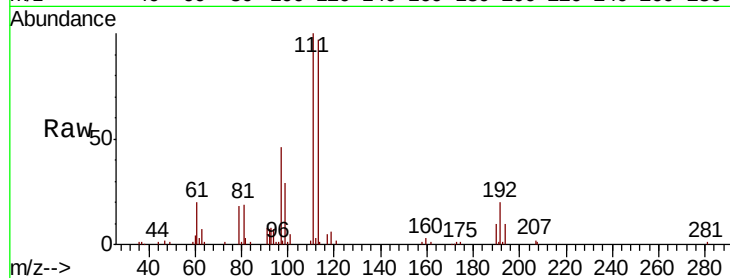




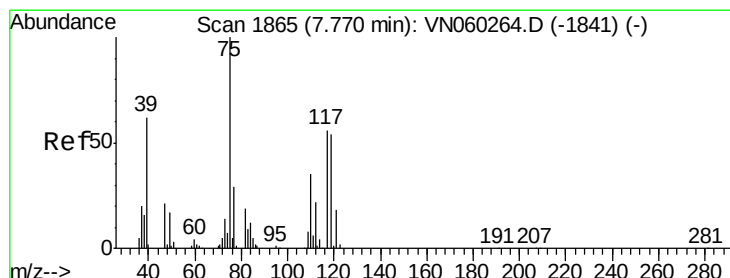
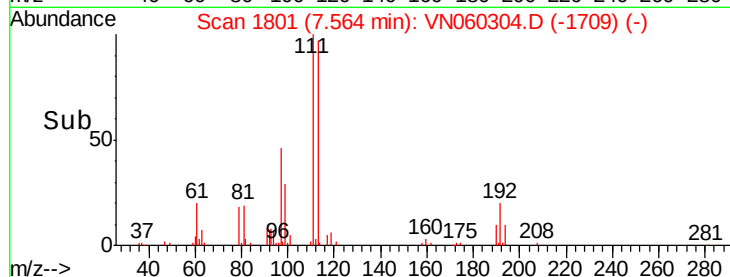
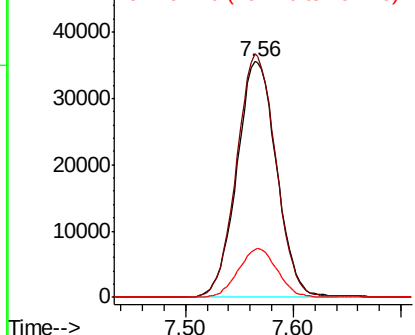
#35
 Dibromofluoromethane
 Concen: 56.273 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	20.1	16.2	24.2

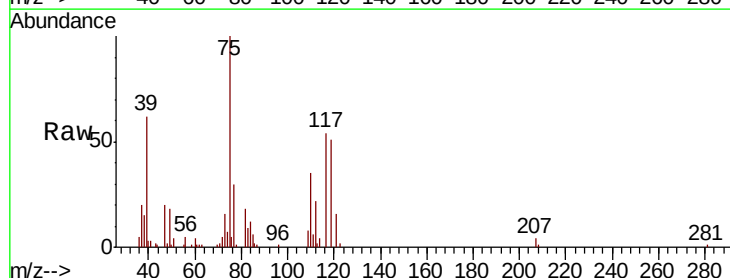


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

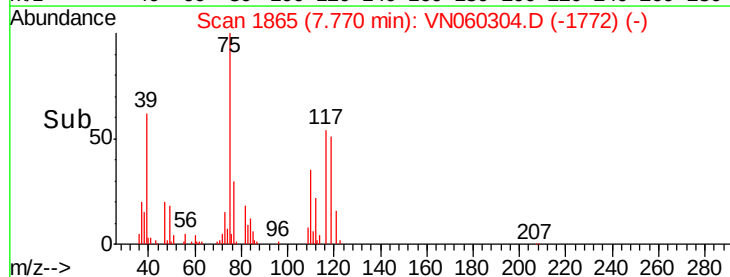
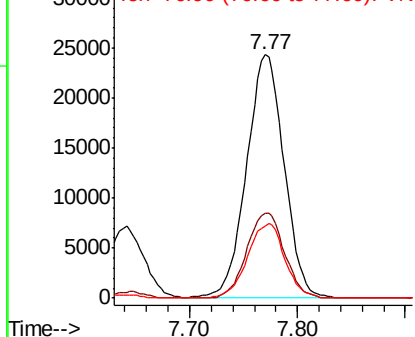


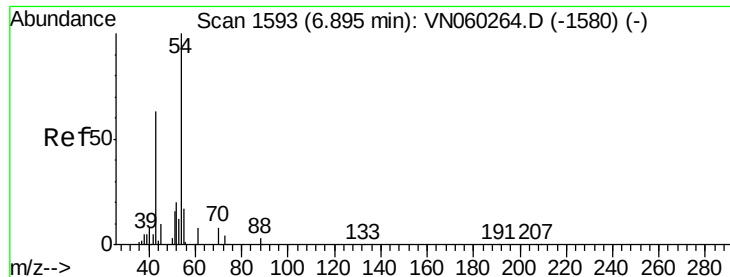
#36
 1,1-Dichloropropene
 Concen: 17.708 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	30.5	24.2	36.2



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

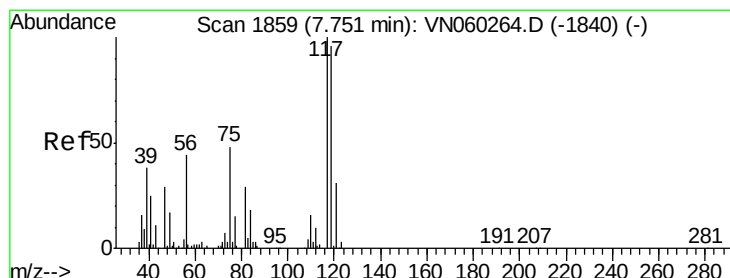
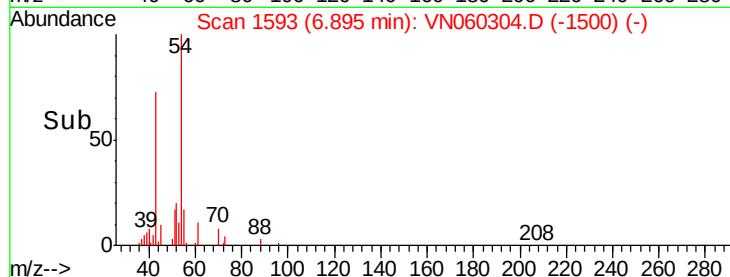
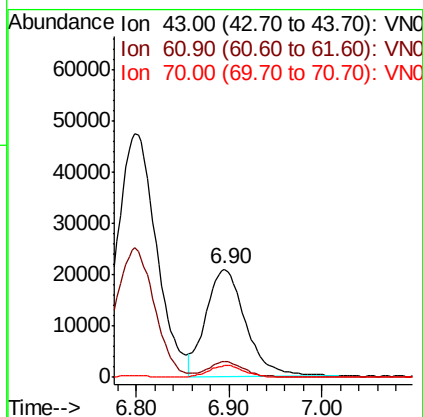
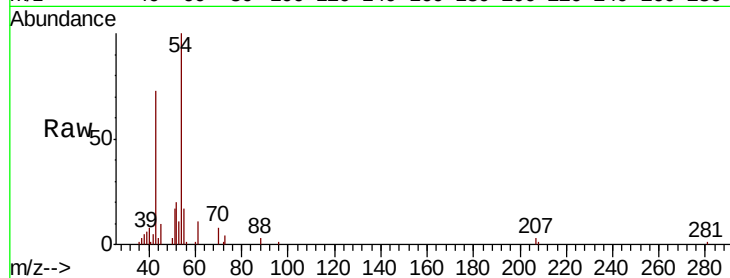




#37
Ethyl Acetate
Concen: 19.834 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

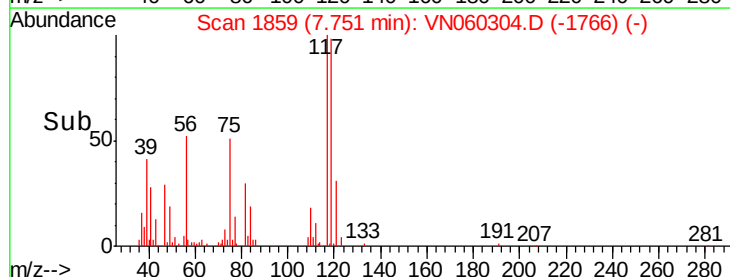
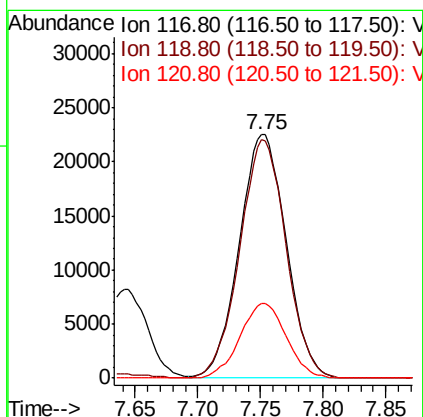
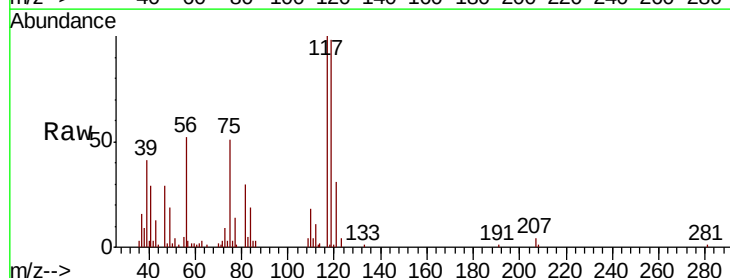
Instrument :
MSVOA_N
ClientSampled :

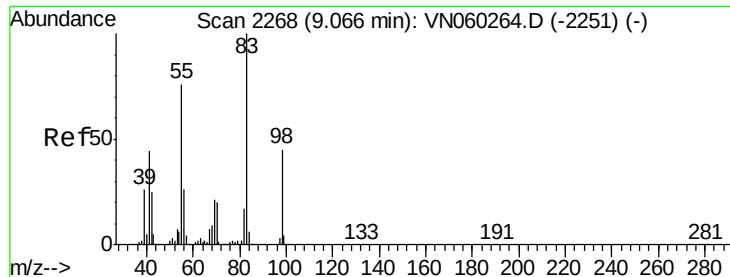
Tot Ion: 43 Resp: 62400
Ion Ratio Lower Upper
43 100
61 13.2 11.1 16.7
70 9.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.113 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 117 Resp: 58595
Ion Ratio Lower Upper
117 100
119 97.9 76.7 115.1
121 30.5 24.5 36.7

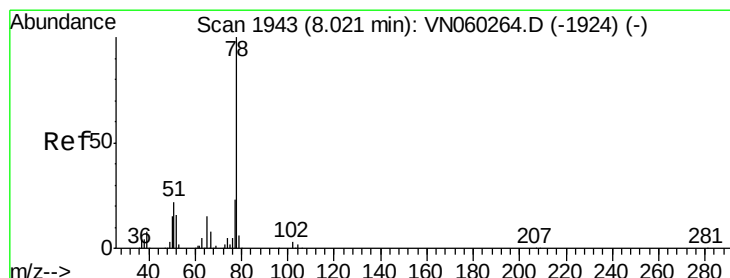
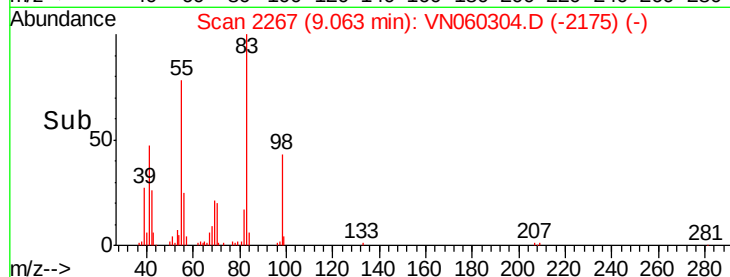
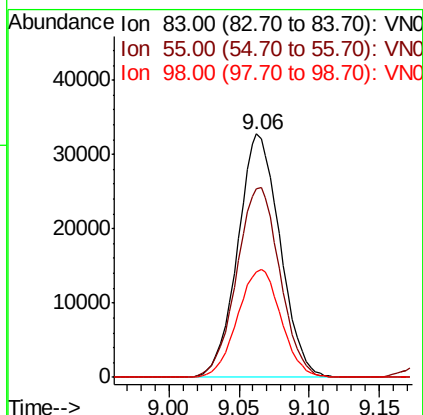
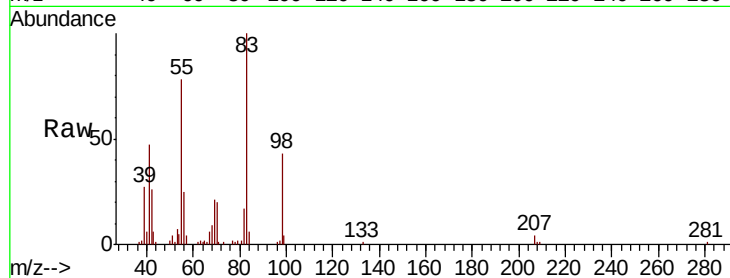




#39
Methylvlcyclohexane
Concen: 17.510 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

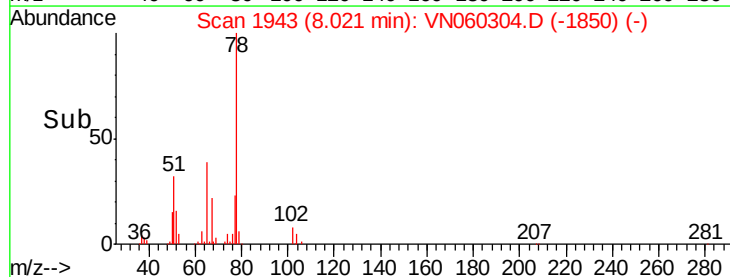
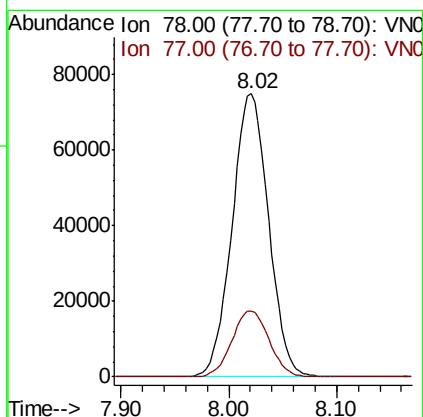
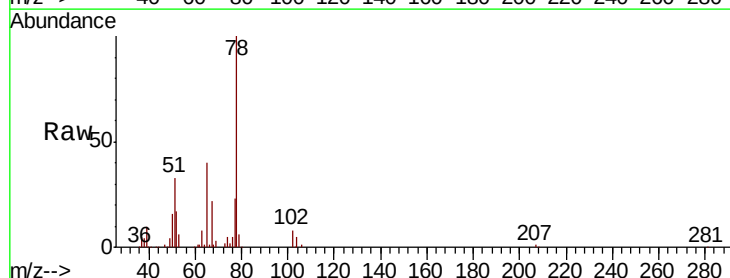
Instrument :
MSVOA_N
ClientSampleId :

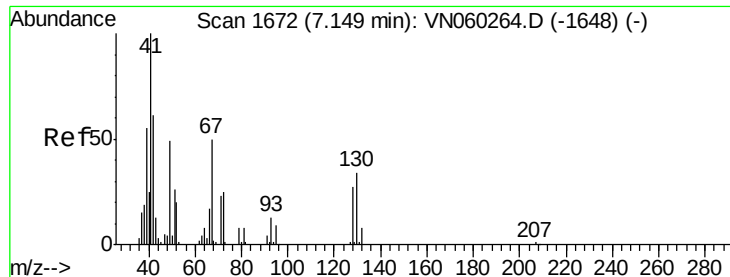
Tot Ion: 83 Resp: 68596
Ion Ratio Lower Upper
83 100
55 77.5 61.0 91.4
98 43.3 36.1 54.1



#40
Benzene
Concen: 18.231 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 78 Resp: 176311
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

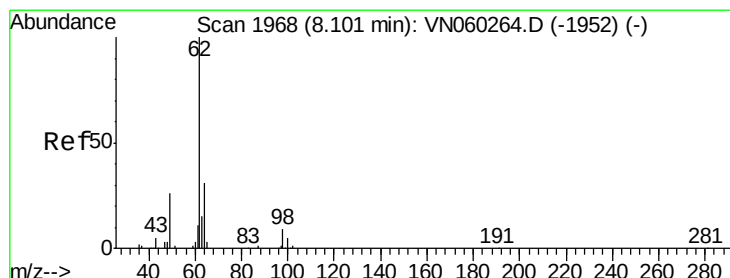
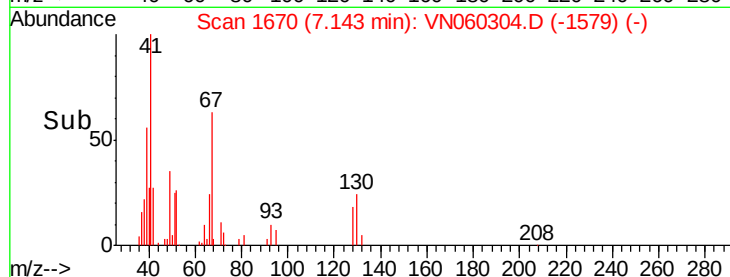
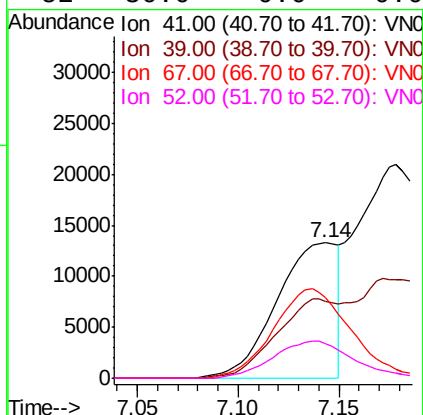
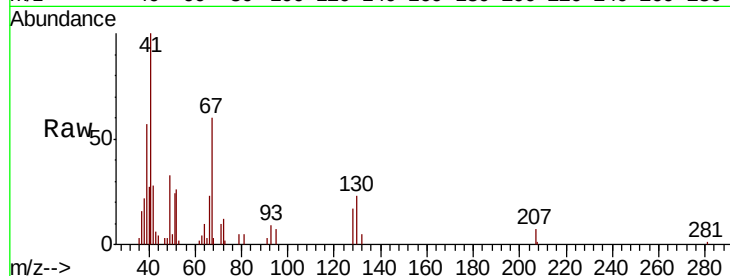




#41
Methacrylonitrile
Concen: 19.235 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

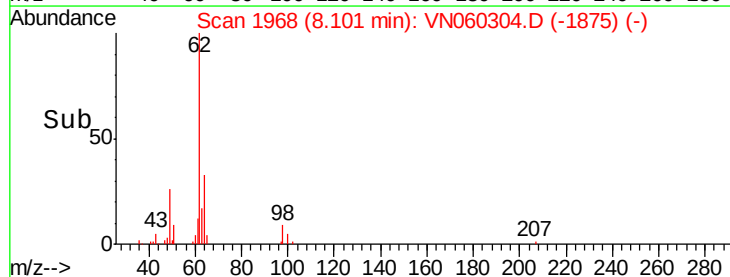
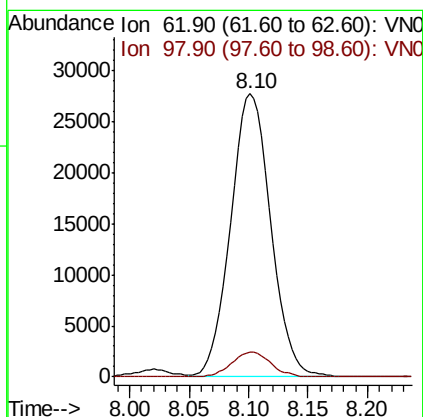
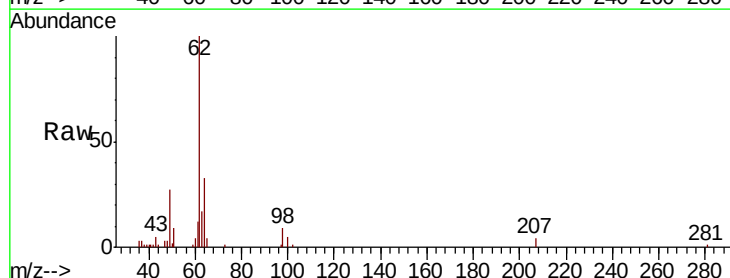
Instrument :
MSVOA_N
ClientSampled :

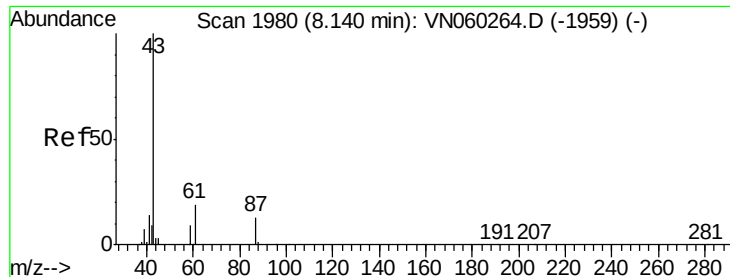
Tot Ion:	41	Resp:	27942
Ion	Ratio	Lower	Upper
41	100		
39	57.5	0.0	0.0#
67	84.4	0.0	0.0#
52	36.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.622 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion:	62	Resp:	64987
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.964 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

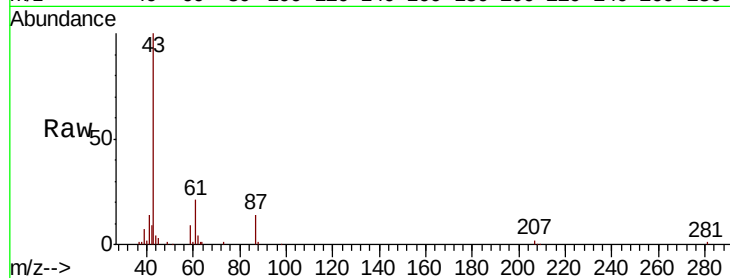
Tot Ion: 43 Resp: 104451

Ion Ratio Lower Upper

43 100

61 26.7 20.9 31.3

87 12.8 10.6 16.0

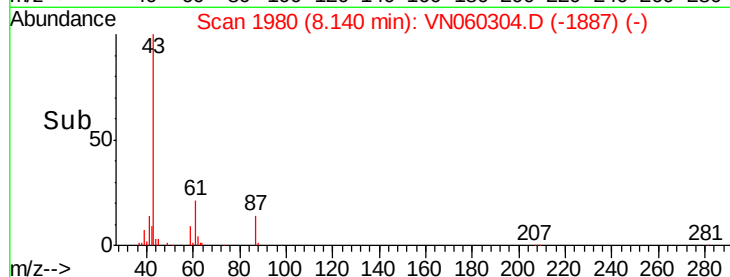


Abundance Ion 43.00 (42.70 to 43.70): VN060304.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060304.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060304.D (-1959) (-)

Time-->

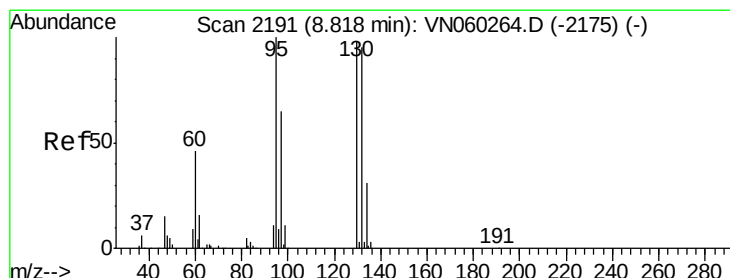


Abundance Ion 43.00 (42.70 to 43.70): VN060304.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060304.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060304.D (-1887) (-)

Time-->



#44

Trichloroethene

Concen: 17.615 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060304.D

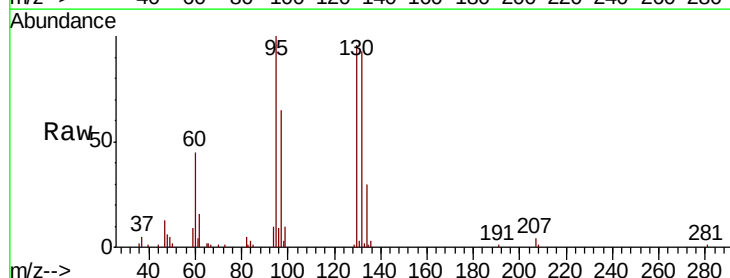
Acq: 2 Mar 2020 12:25

Tgt Ion:130 Resp: 47443

Ion Ratio Lower Upper

130 100

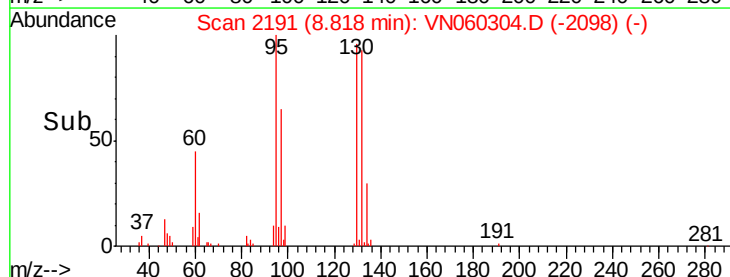
95 103.8 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060304.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060304.D (-2175) (-)

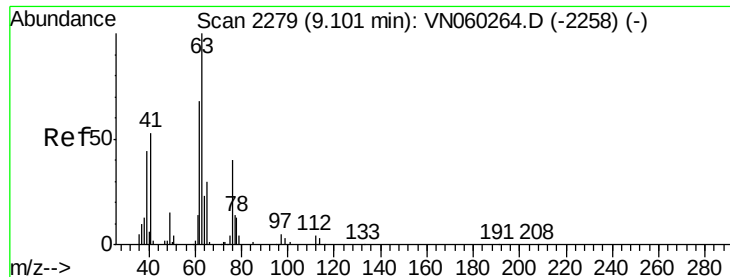
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN060304.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060304.D (-2098) (-)

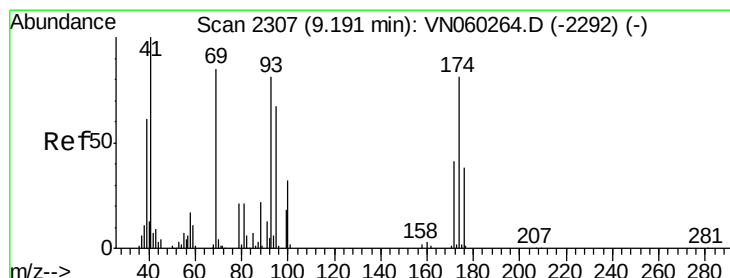
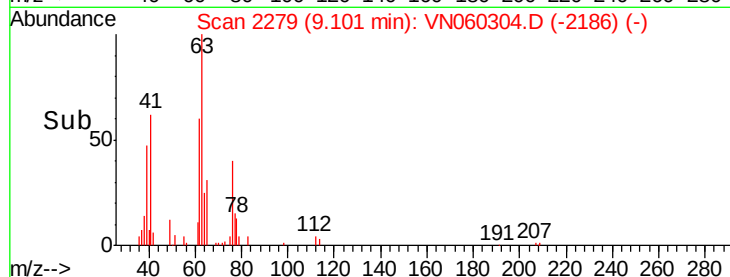
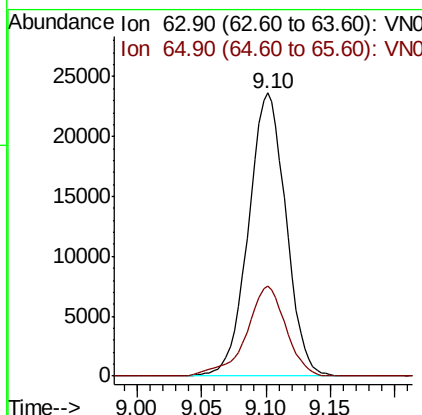
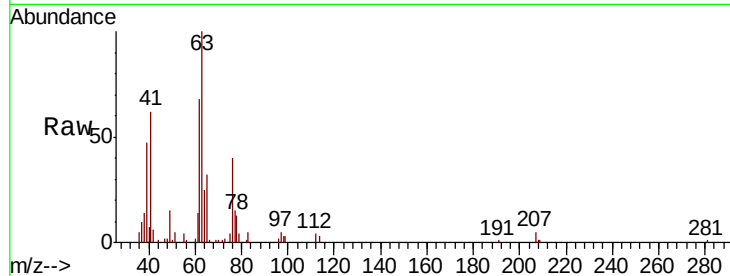
Time-->



#45
 1,2-Dichloropropane
 Concen: 18.932 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

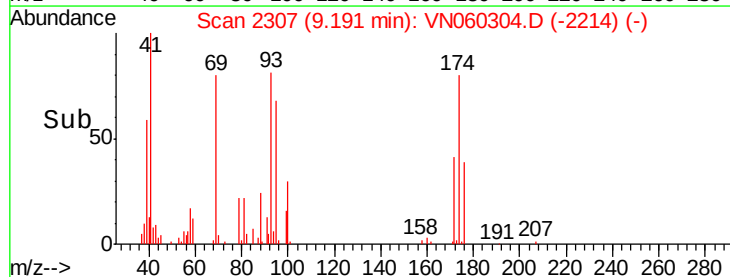
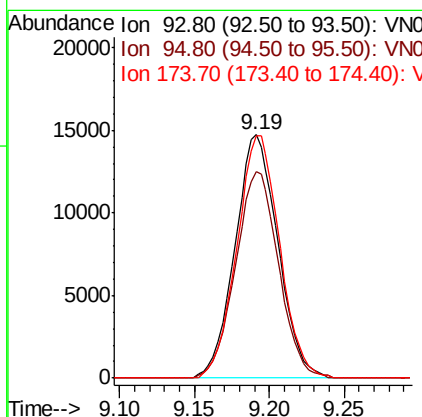
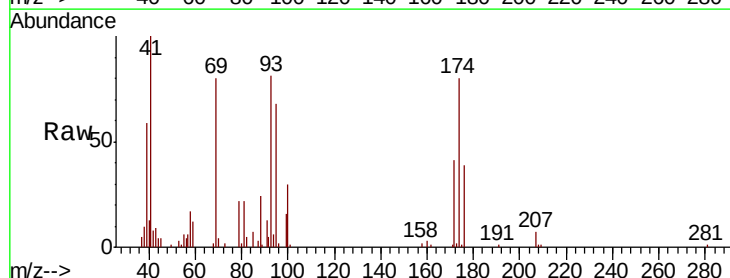
Instrument :
 MSVOA_N
 ClientSampled :

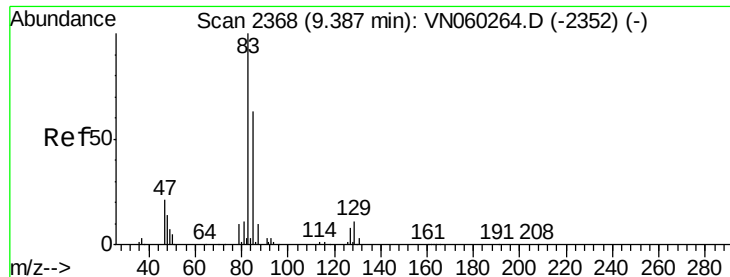
Tot Ion: 63 Resp: 47869
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.4 36.6



#46
 Dibromomethane
 Concen: 17.915 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 93 Resp: 29392
 Ion Ratio Lower Upper
 93 100
 95 85.0 65.9 98.9
 174 99.2 79.6 119.4





#47

Bromodichloromethane

Concen: 18.474 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

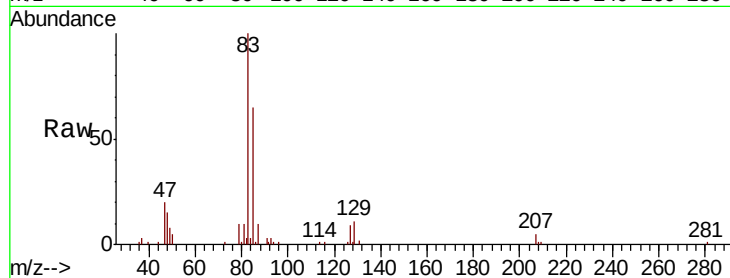
Tot Ion: 83 Resp: 61643

Ion Ratio Lower Upper

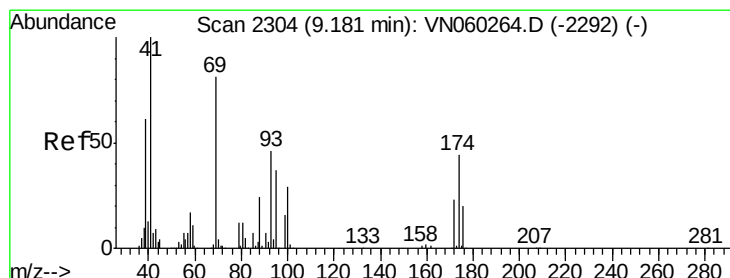
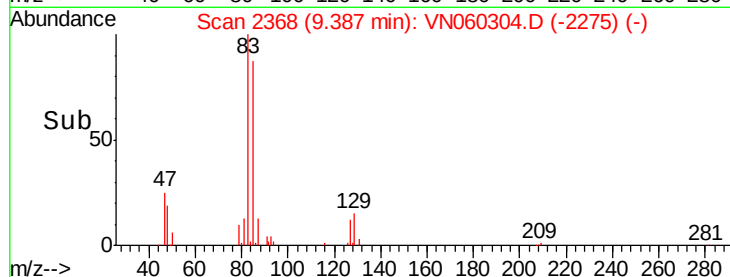
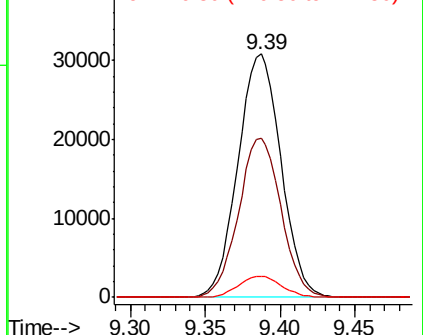
83 100

85 65.4 50.7 76.1

127 8.8 6.8 10.2



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): V



#48

Methyl methacrylate

Concen: 18.112 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

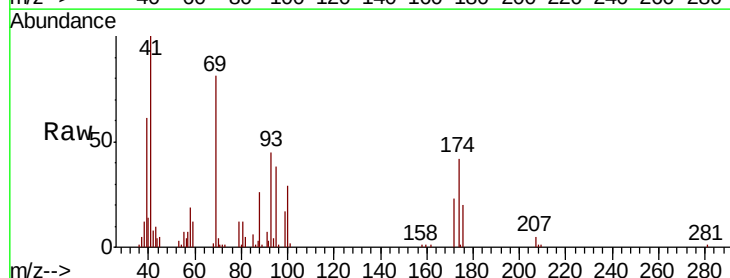
Tgt Ion: 41 Resp: 45491

Ion Ratio Lower Upper

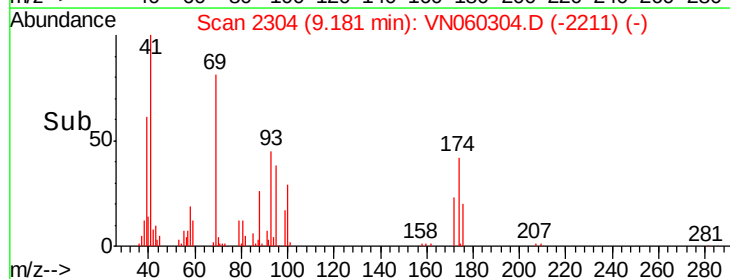
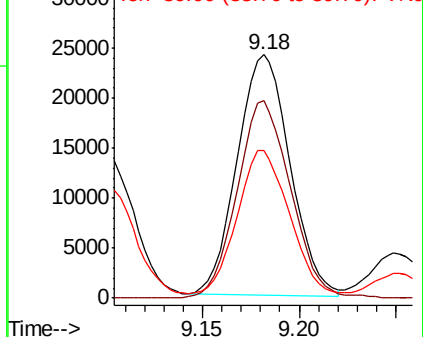
41 100

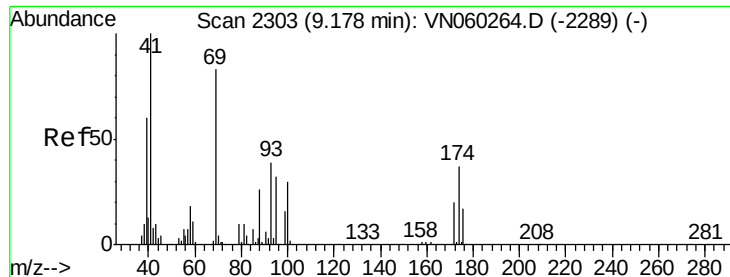
69 83.5 66.7 100.1

39 62.9 50.1 75.1



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

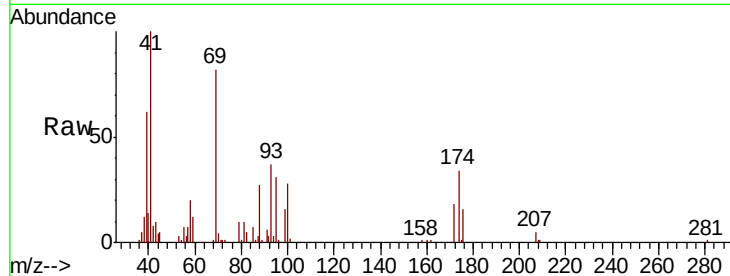




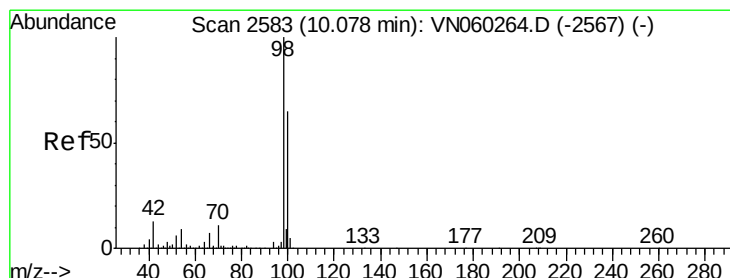
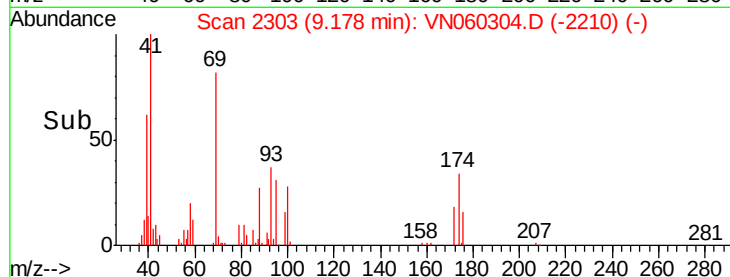
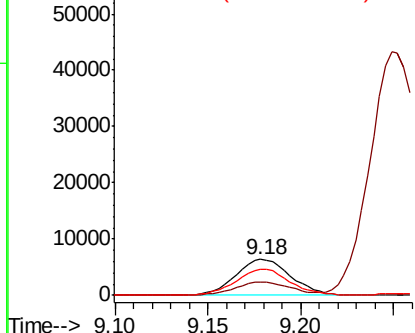
#49
1,4-Dioxane
Concen: 370.410 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13083
Ion Ratio Lower Upper
88 100
43 37.6 30.4 45.6
58 71.8 57.0 85.6

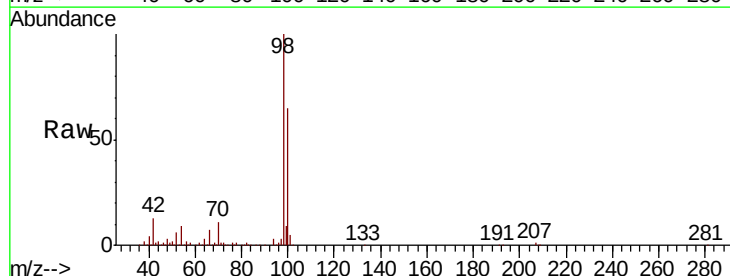


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

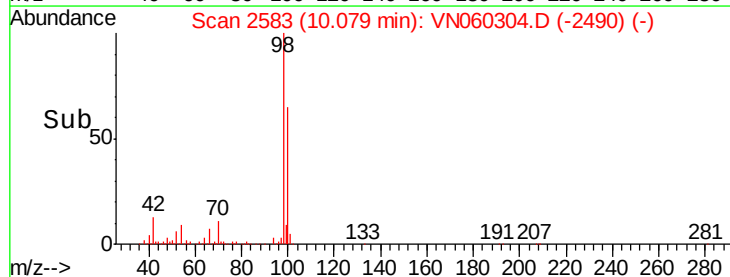
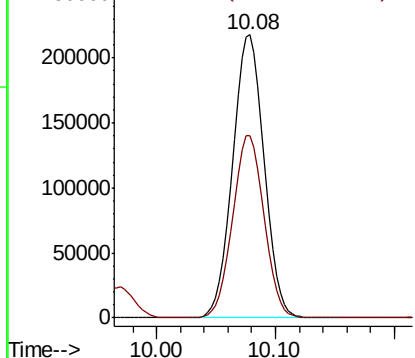


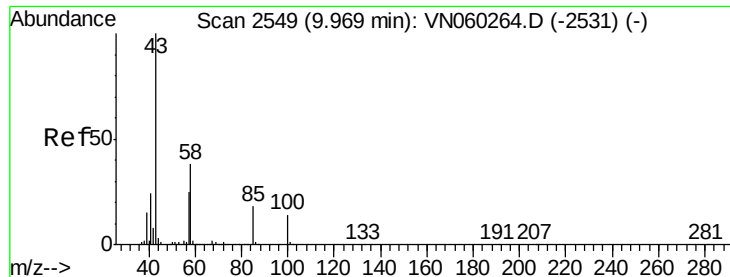
#50
Toluene-d8
Concen: 48.698 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 98 Resp: 398837
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



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

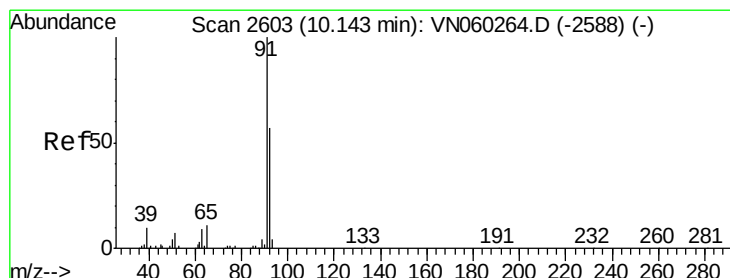
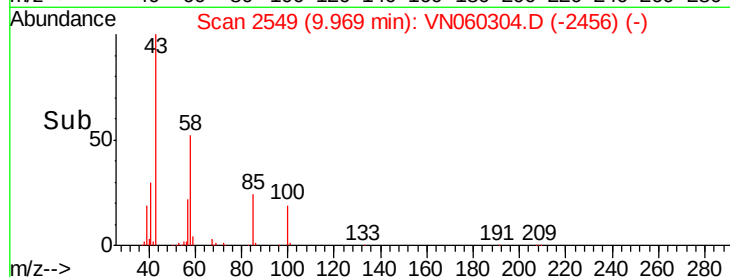
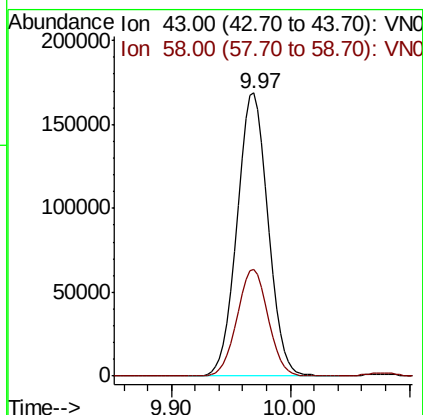
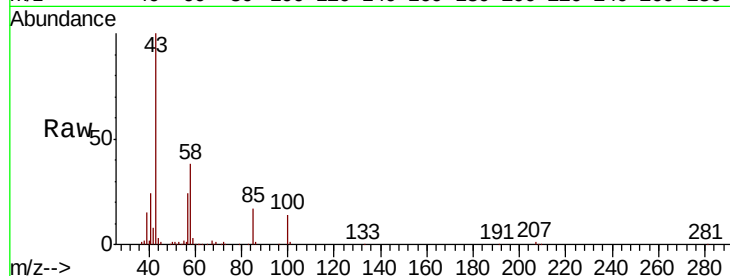




#51
 4-Methyl-2-Pentanone
 Concen: 97.483 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

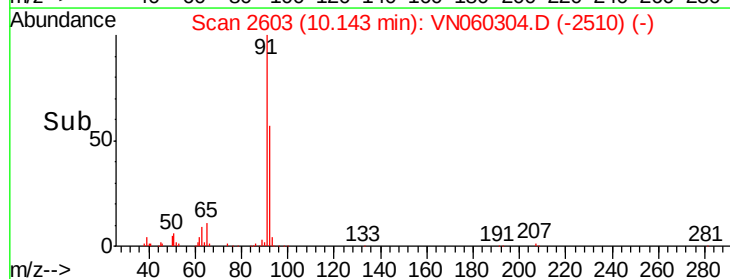
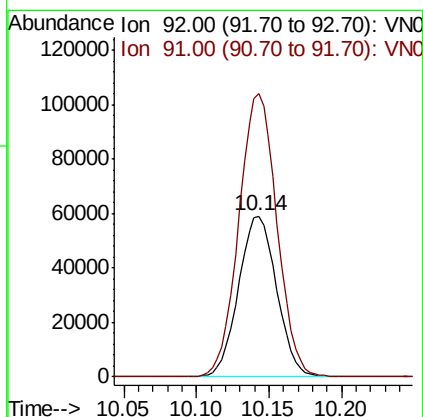
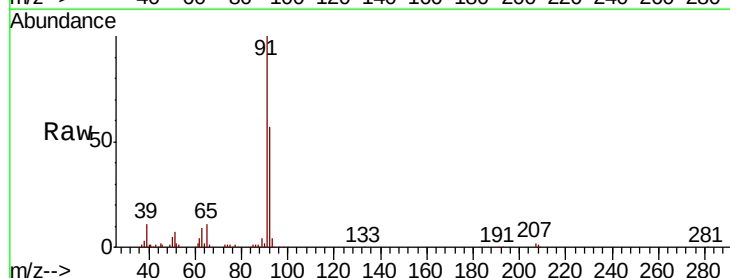
Instrument :
 MSVOA_N
 ClientSampleId :

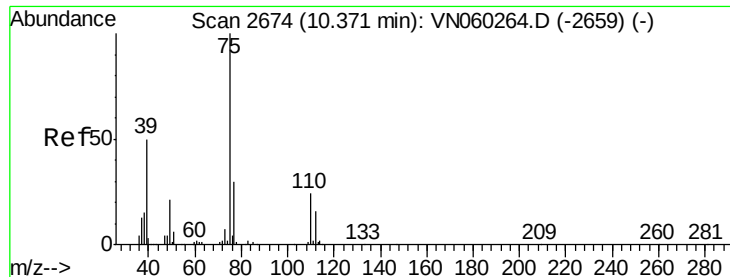
Tot Ion: 43 Resp: 304424
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.9 46.3



#52
 Toluene
 Concen: 17.758 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 92 Resp: 107874
 Ion Ratio Lower Upper
 92 100
 91 176.0 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.608 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

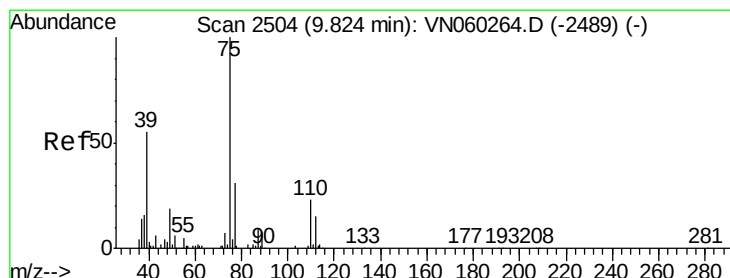
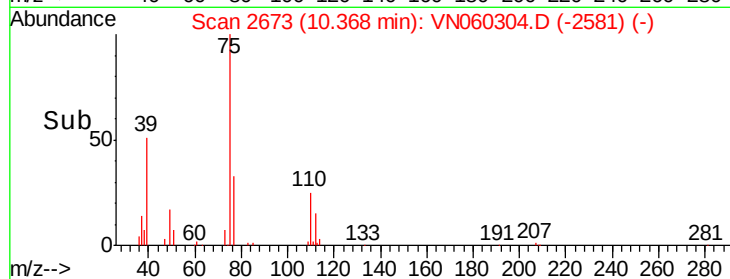
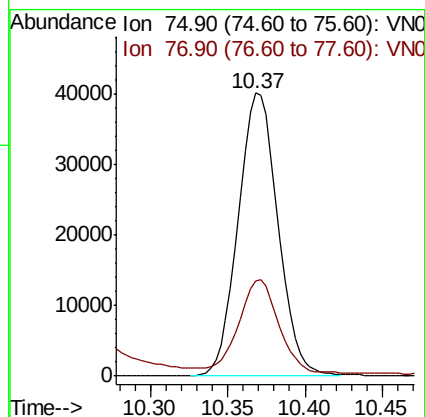
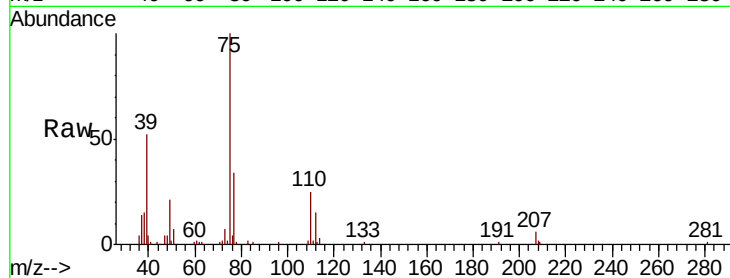
ClientSampleId :

Tot Ion: 75 Resp: 71991

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.065 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

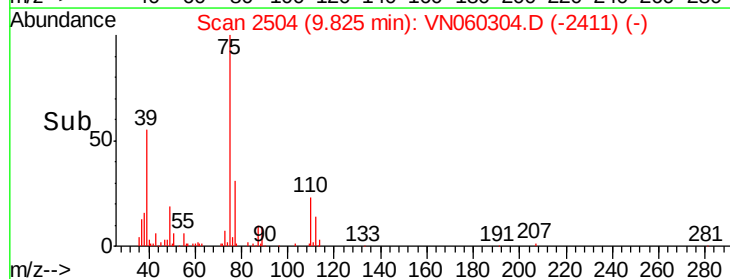
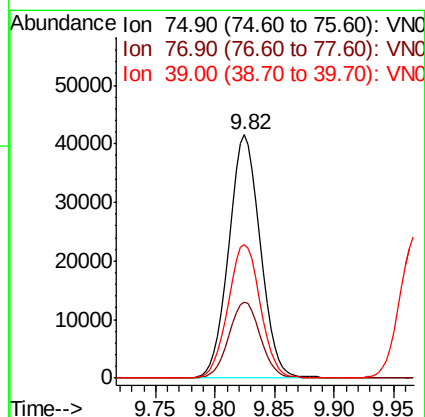
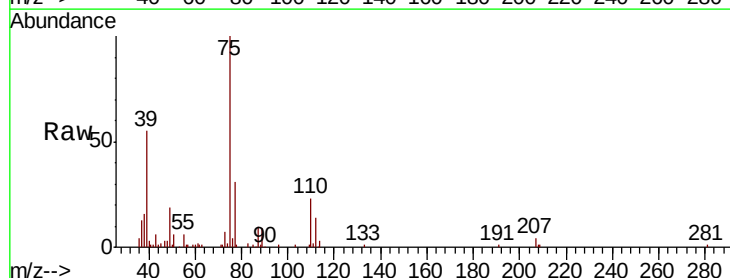
Tgt Ion: 75 Resp: 76535

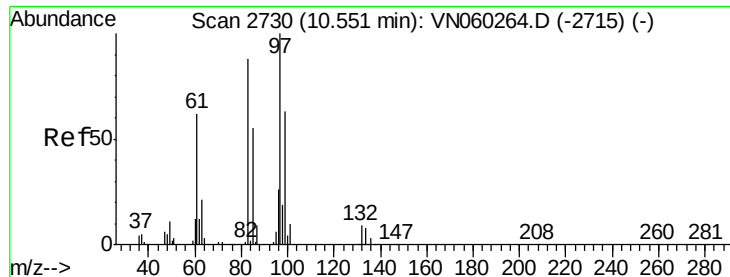
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 55.1 43.8 65.8

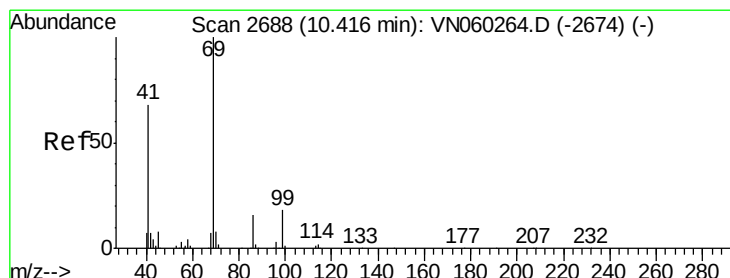
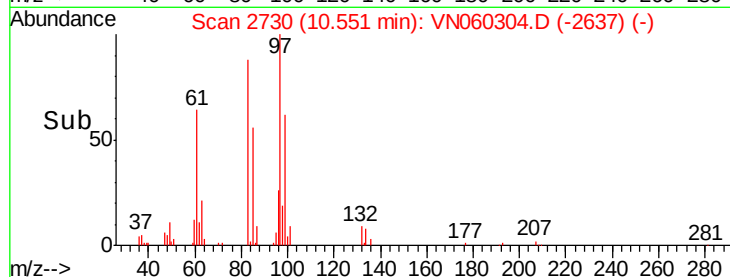
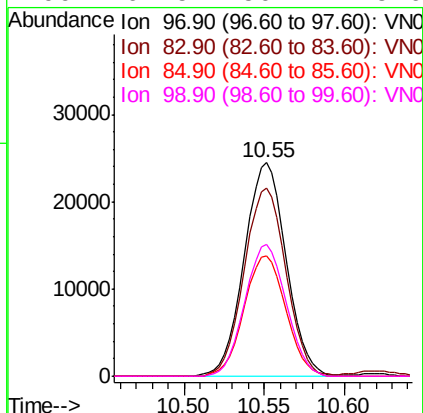
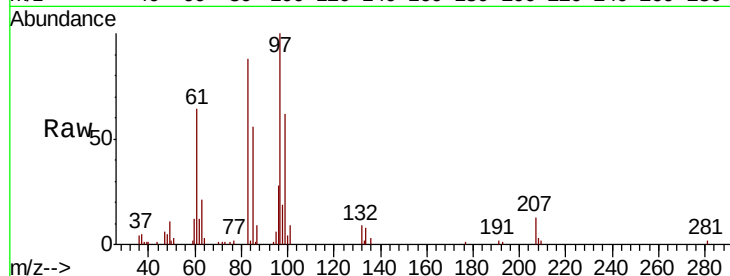




#55
 1,1,2-Trichloroethane
 Concen: 17.986 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

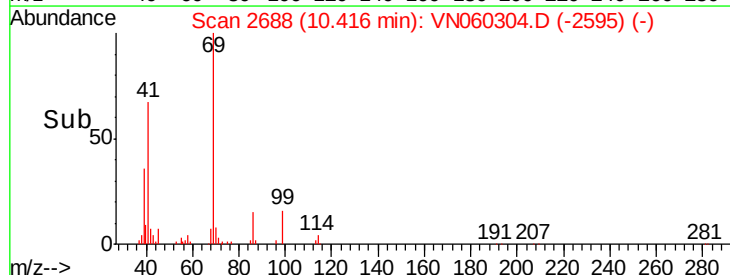
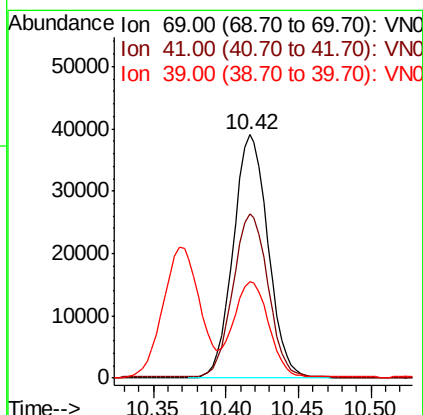
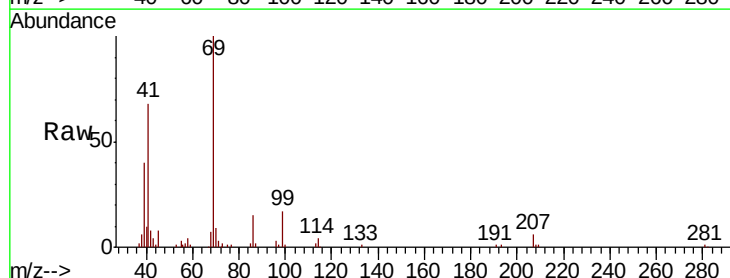
Instrument :
 MSVOA_N
 ClientSampleId :

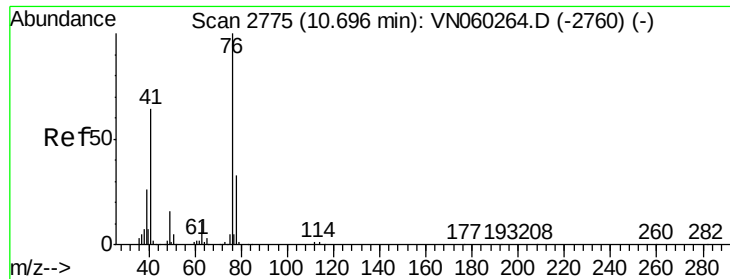
Tot Ion:	97	Resp:	43938
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.0	105.0
85	56.5	44.0	66.0
99	61.5	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 18.580 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion:	69	Resp:	65209
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	40.3	32.5	48.7





#57

1,3-Dichloropropane

Concen: 18.842 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

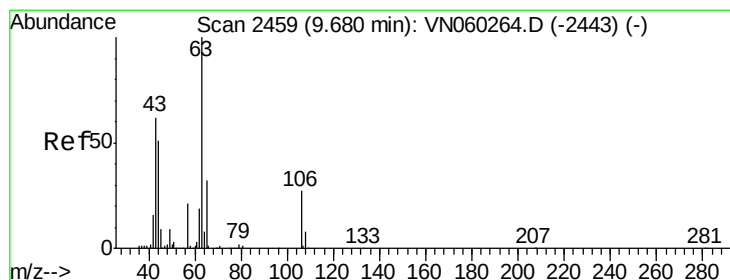
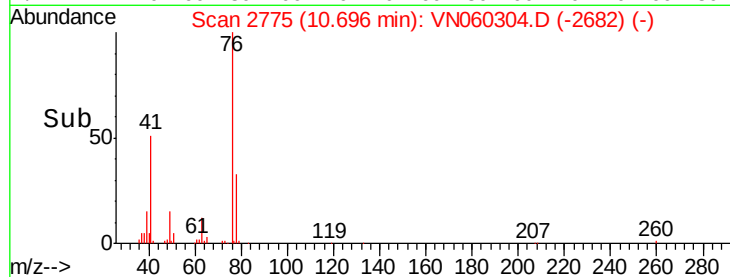
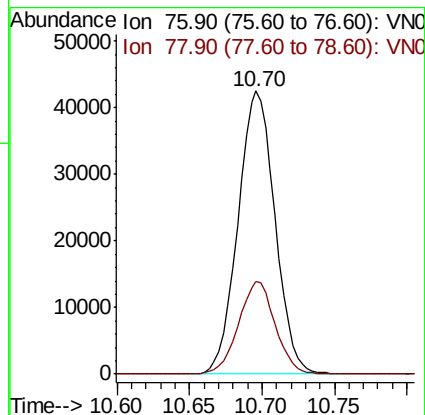
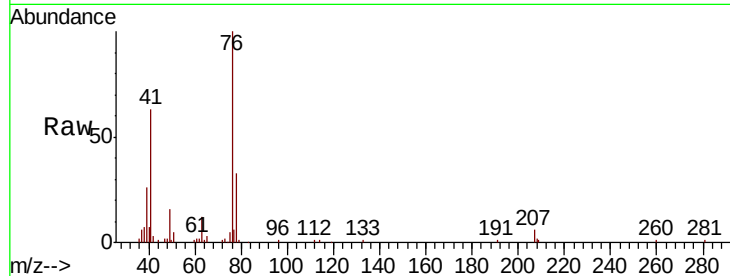
ClientSampleId :

Tot Ion: 76 Resp: 75066

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 95.927 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060304.D

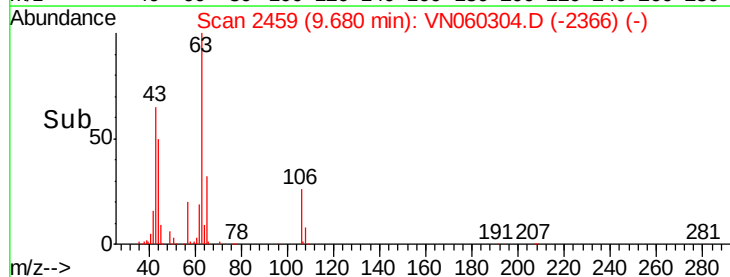
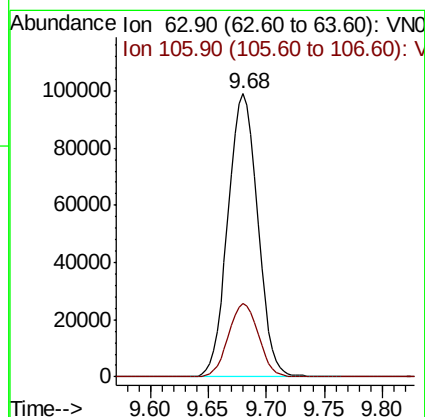
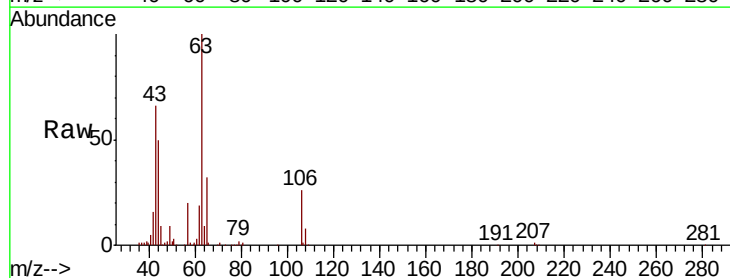
Acq: 2 Mar 2020 12:25

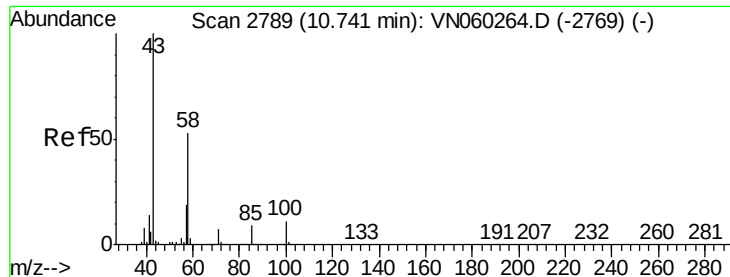
Tgt Ion: 63 Resp: 176081

Ion Ratio Lower Upper

63 100

106 26.1 21.1 31.7





#59

2-Hexanone

Concen: 96.109 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

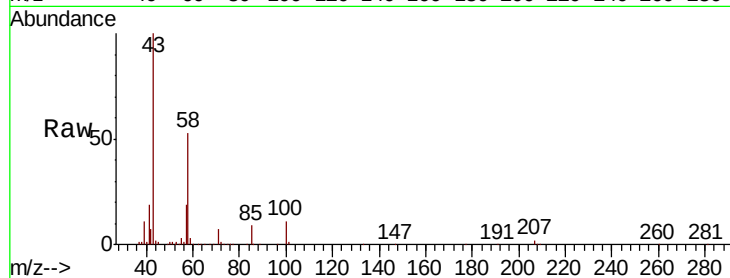
ClientSampled :

Tot Ion: 43 Resp: 220363

Ion Ratio Lower Upper

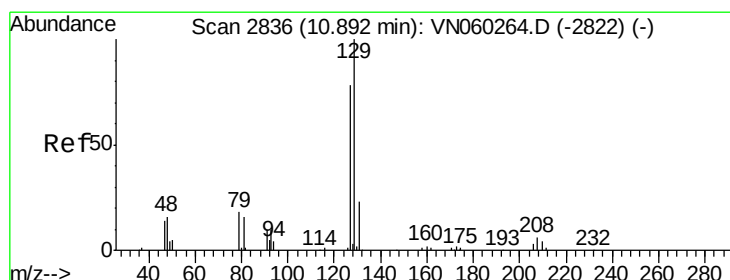
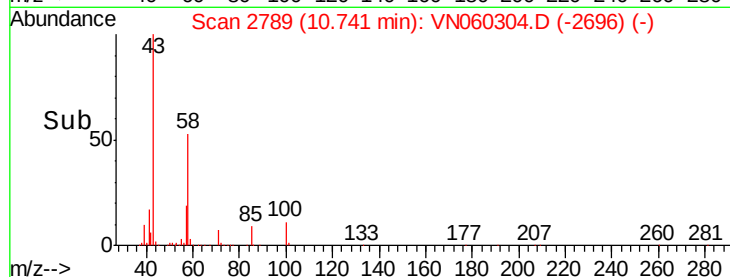
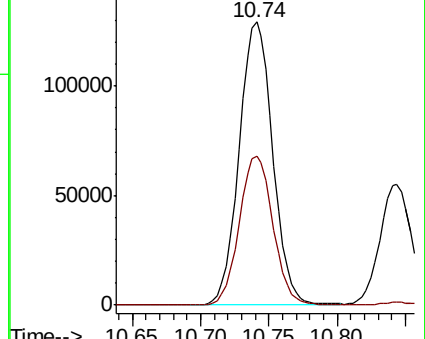
43 100

58 53.0 26.5 79.5



Abundance Ion 43.00 (42.70 to 43.70): VN060304.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN060304.D (-2696) (-)



#60

Dibromochloromethane

Concen: 18.171 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060304.D

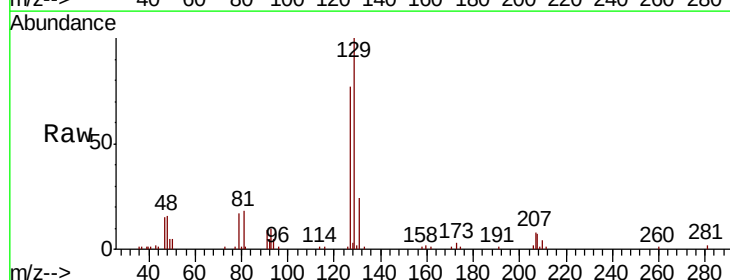
Acq: 2 Mar 2020 12:25

Tgt Ion: 129 Resp: 45144

Ion Ratio Lower Upper

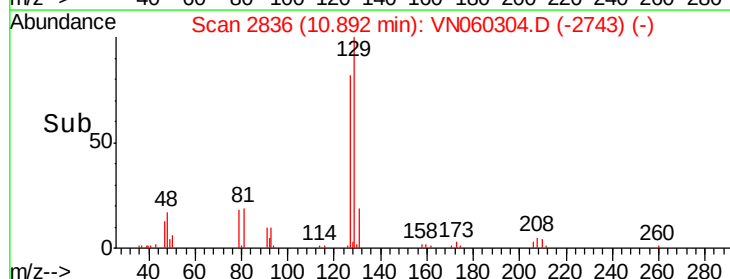
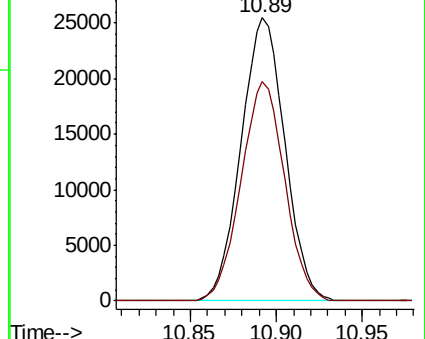
129 100

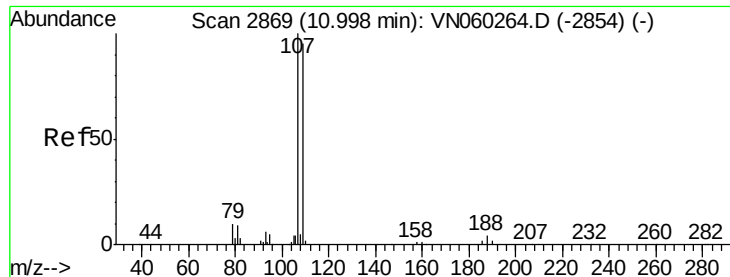
127 77.0 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): VN060304.D (-2743) (-)

Ion 126.80 (126.50 to 127.50): VN060304.D (-2743) (-)

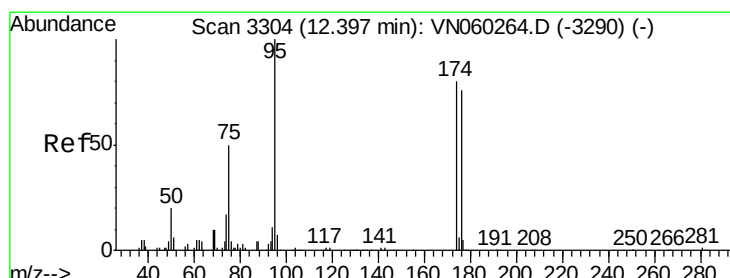
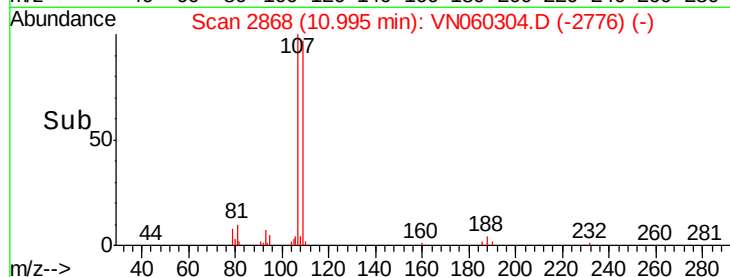
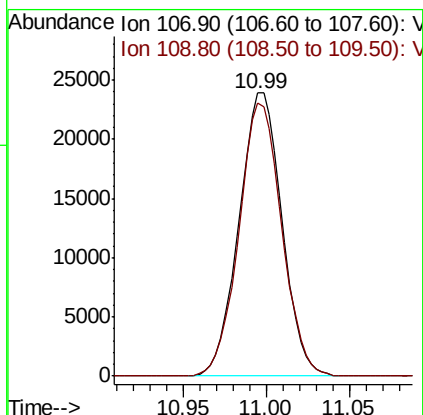
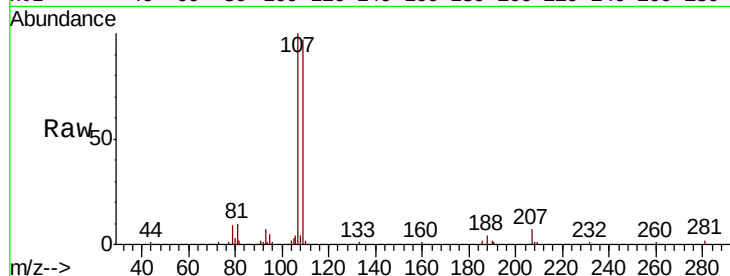




#61
1,2-Dibromoethane
Concen: 18.060 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

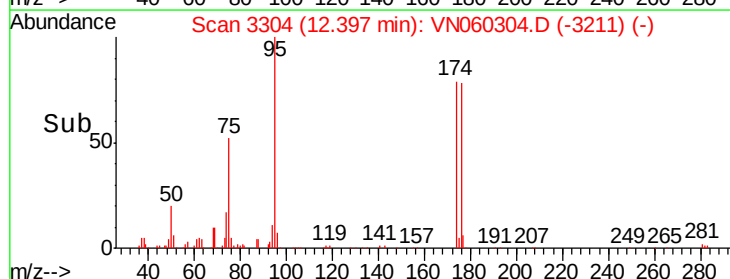
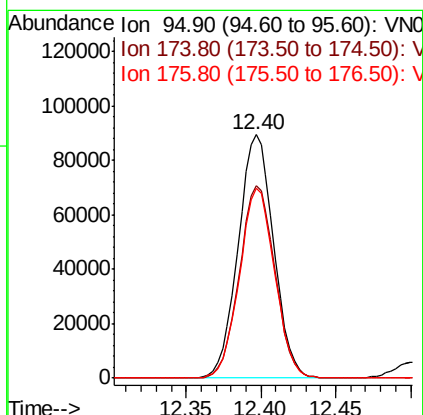
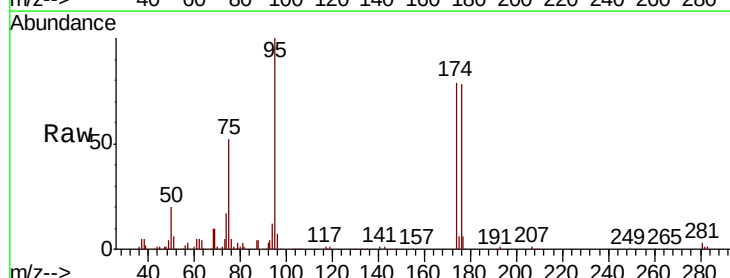
Instrument :
MSVOA_N
ClientSampled :

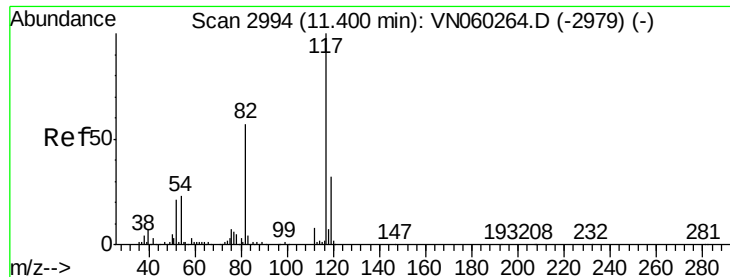
Tot Ion:107 Resp: 43009
Ion Ratio Lower Upper
107 100
109 96.0 76.8 115.2



#62
4-Bromofluorobenzene
Concen: 47.455 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 95 Resp: 147333
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 77.7 0.0 153.8

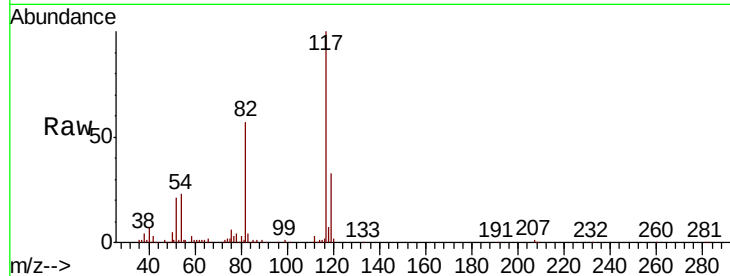




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.6
119	32.6	25.8	38.8

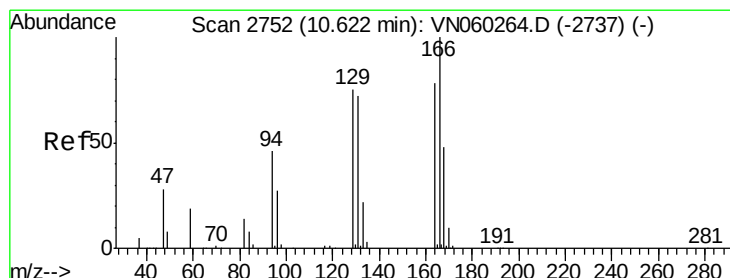
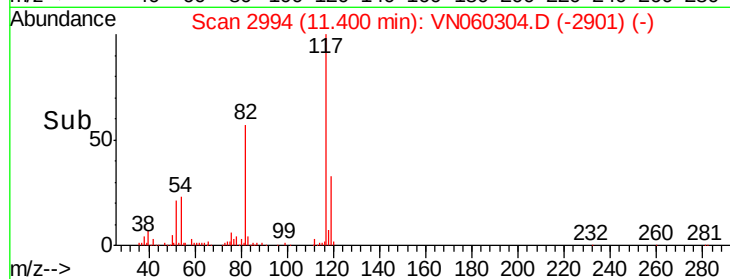
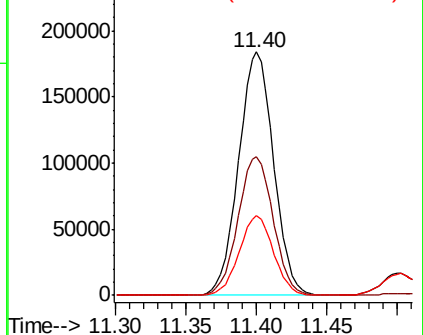


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.092 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.0	153.0
129	94.9	76.4	114.6
131	93.0	73.6	110.4

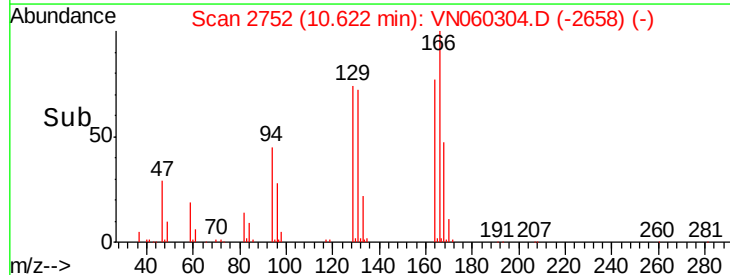
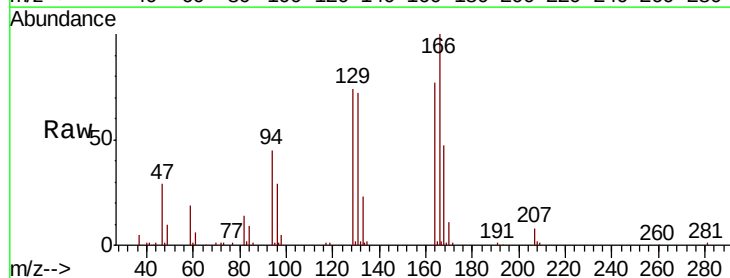
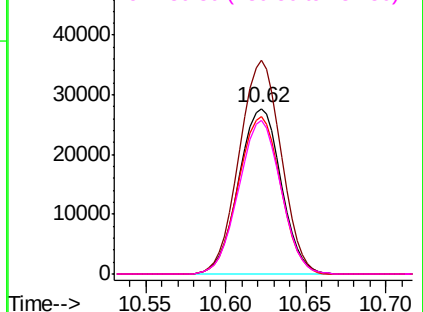
Abundance

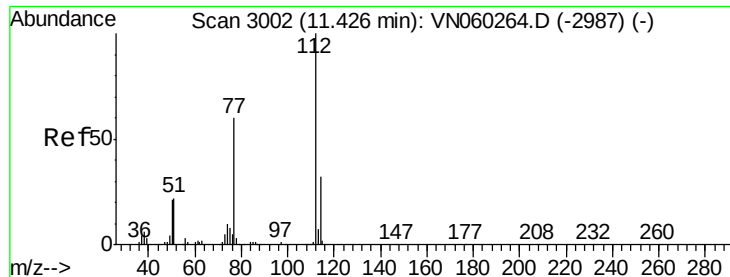
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

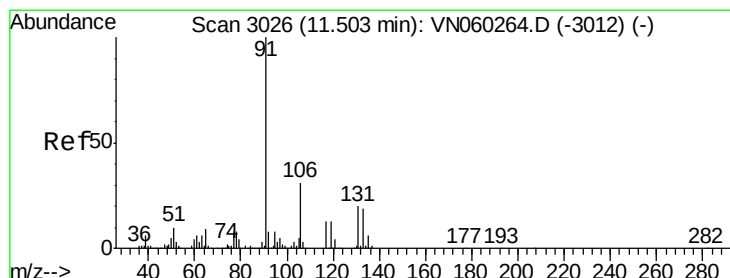
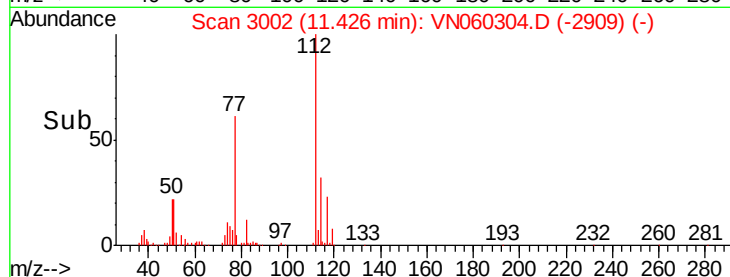
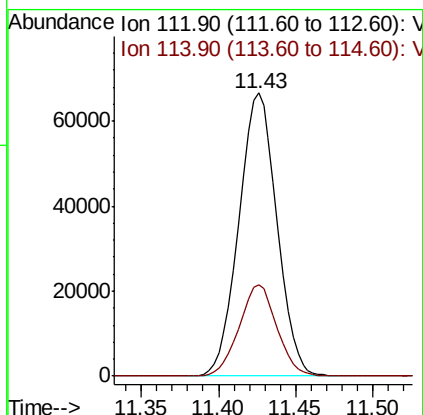
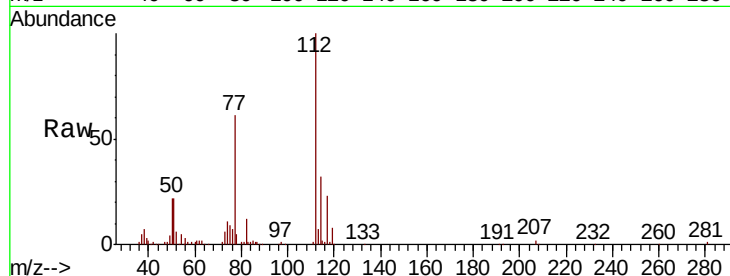




#65
Chlorobenzene
Concen: 17.633 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

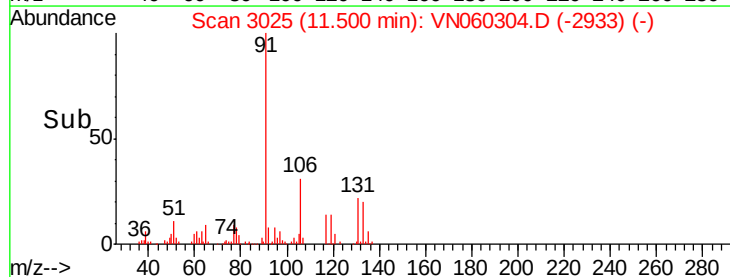
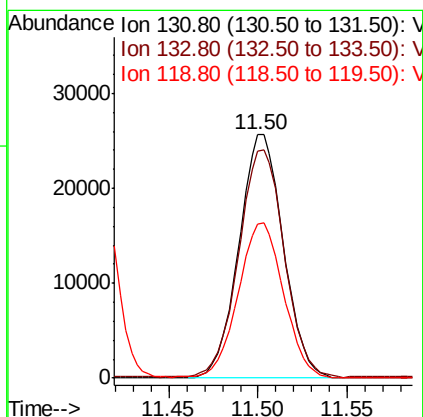
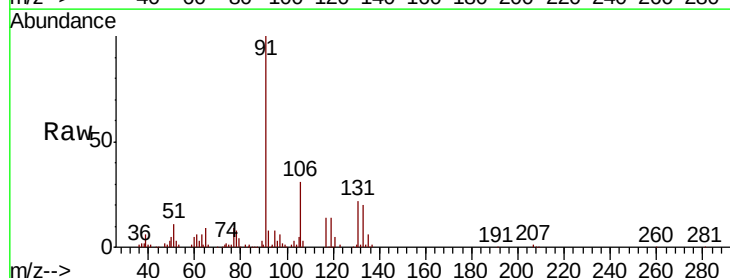
Instrument :
MSVOA_N
ClientSampled :

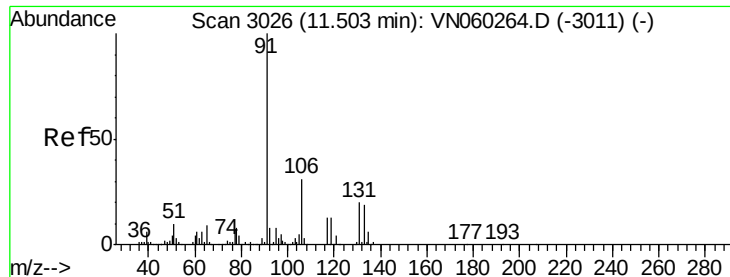
Tot Ion:112 Resp: 113959
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.605 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion:131 Resp: 44459
Ion Ratio Lower Upper
131 100
133 97.2 47.7 143.1
119 65.3 33.2 99.6

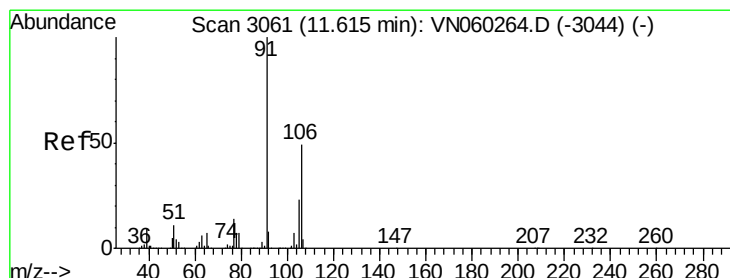
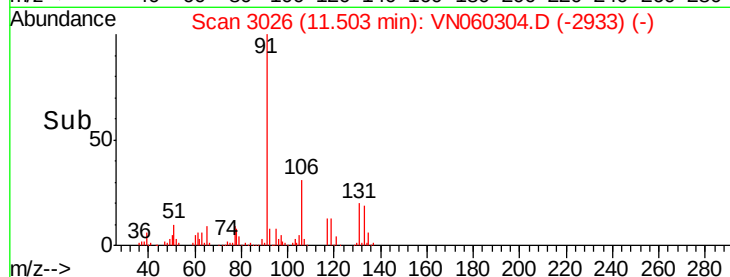
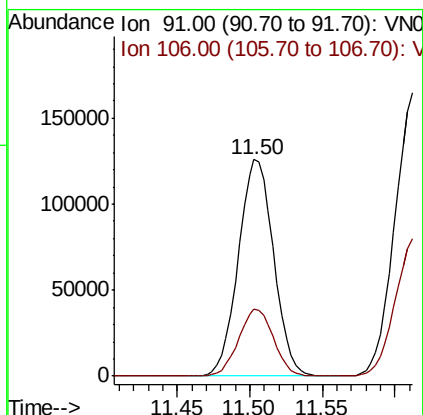
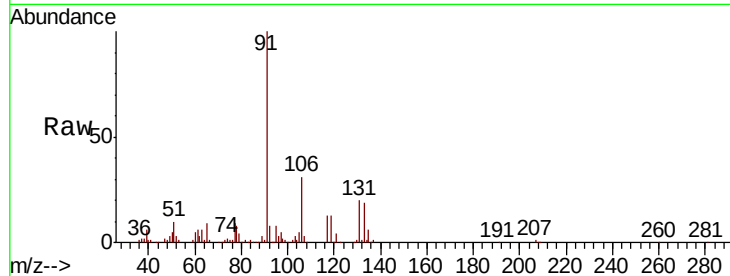




#67
Ethyl Benzene
Concen: 18.095 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

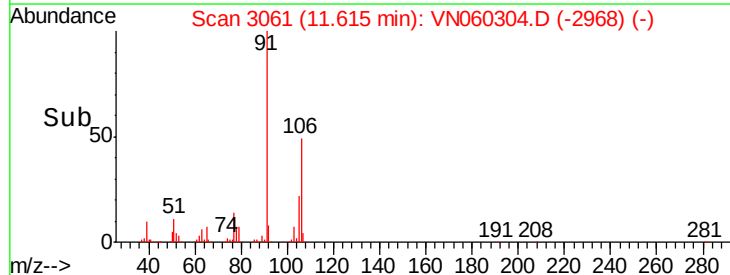
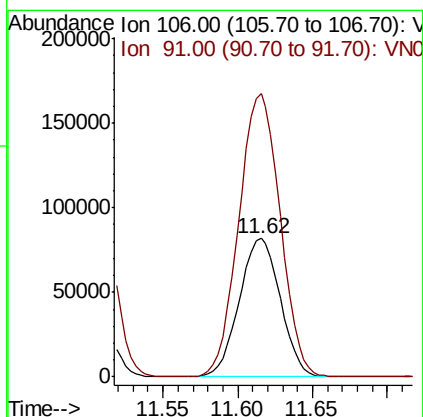
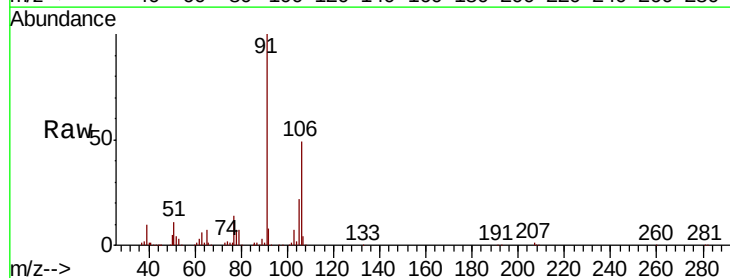
Instrument :
MSVOA_N
ClientSampled :

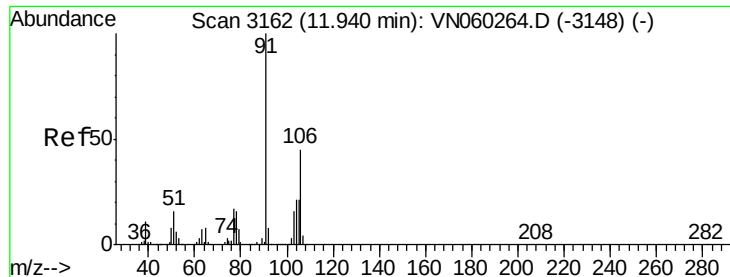
Tot Ion: 91 Resp: 212962
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 35.170 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 106 Resp: 156171
Ion Ratio Lower Upper
106 100
91 206.7 164.5 246.7

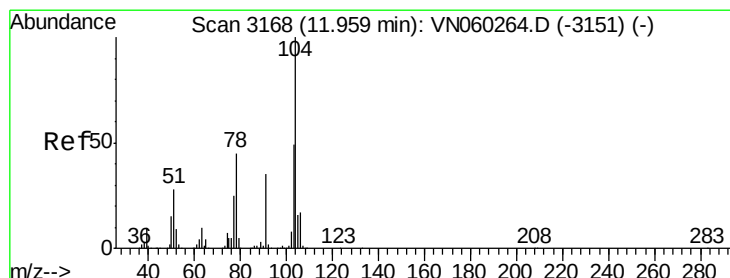
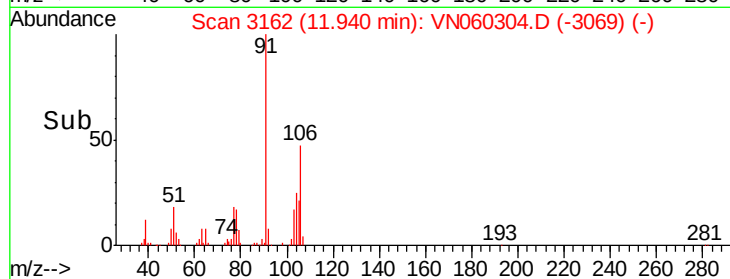
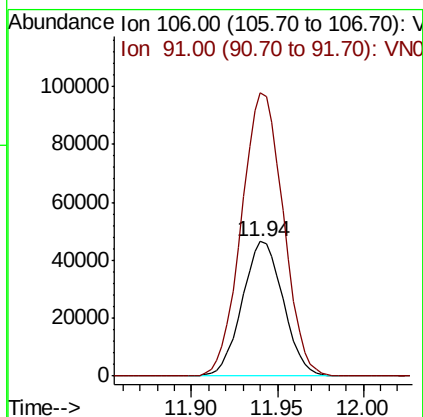
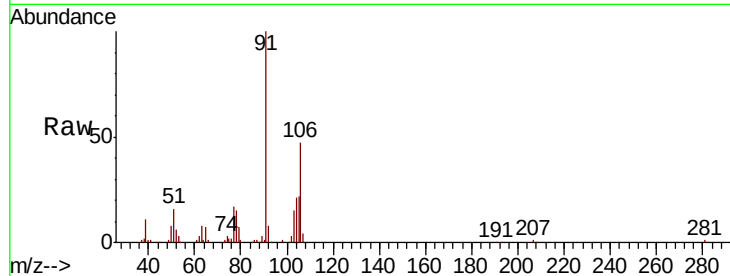




#69
o-Xylene
Concen: 18.172 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

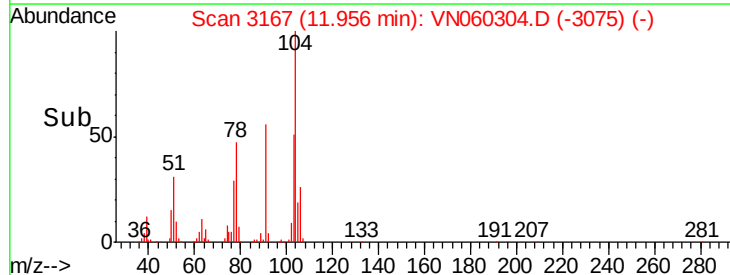
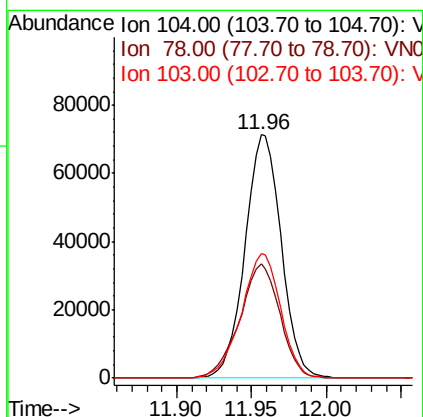
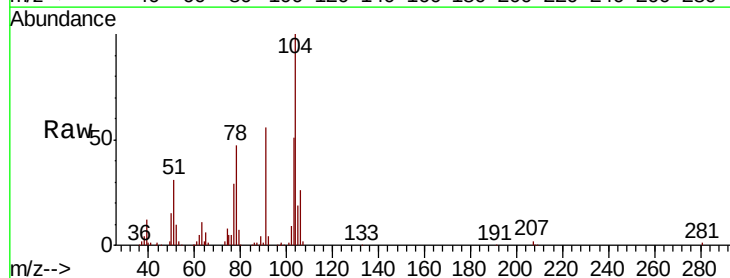
Instrument :
MSVOA_N
ClientSampled :

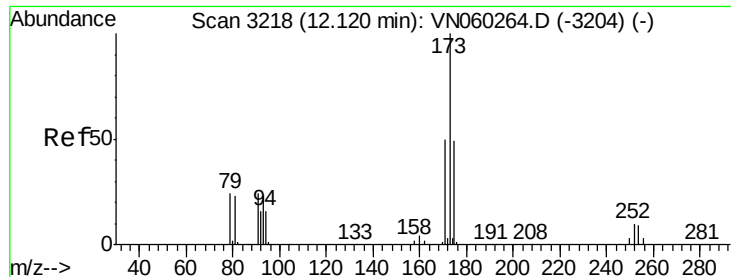
Tot Ion:106 Resp: 76947
Ion Ratio Lower Upper
106 100
91 214.1 109.5 328.4



#70
Styrene
Concen: 17.340 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion:104 Resp: 120717
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.6 43.9 65.9





#71

Bromoform

Concen: 18.029 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

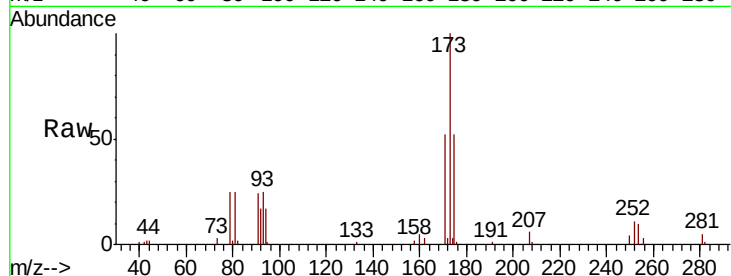
Tot Ion:173 Resp: 31050

Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.1	72.2
254	0.0	0.0	0.0

173 100

175 50.1 24.1 72.2

254 0.0 0.0 0.0

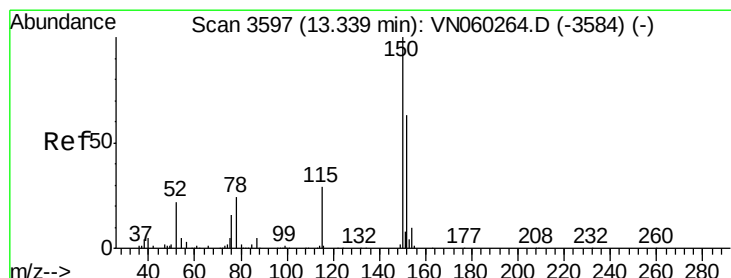
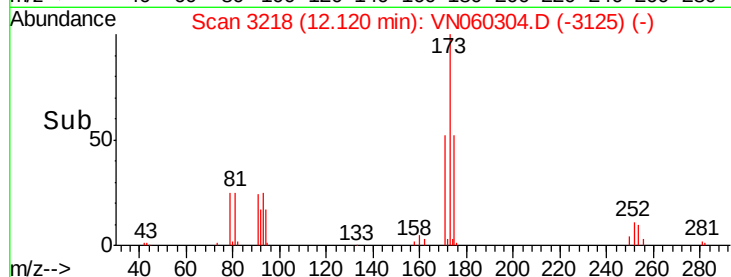
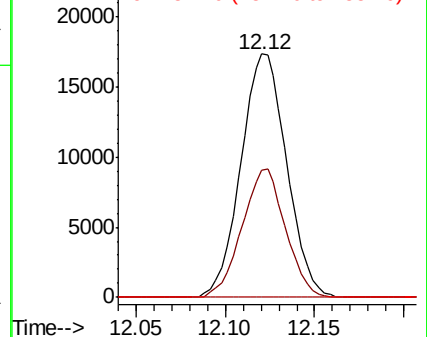


Abundance

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: VN060304.D

Acq: 2 Mar 2020 12:25

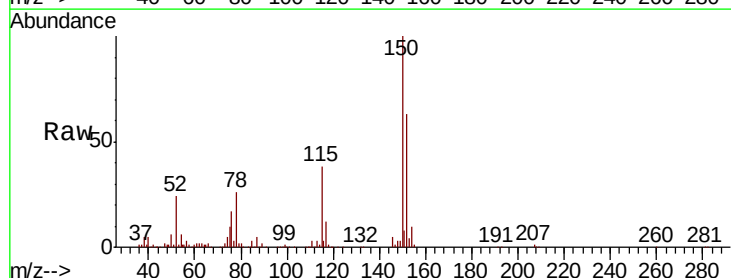
Tgt Ion:152 Resp: 152913

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.0	90.0
150	164.6	0.0	349.6

152 100

115 60.3 30.0 90.0

150 164.6 0.0 349.6

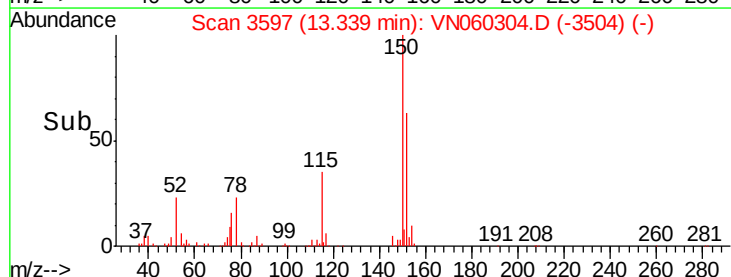
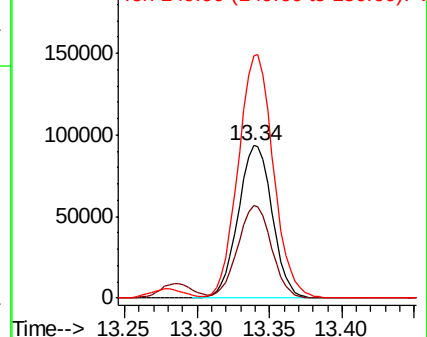


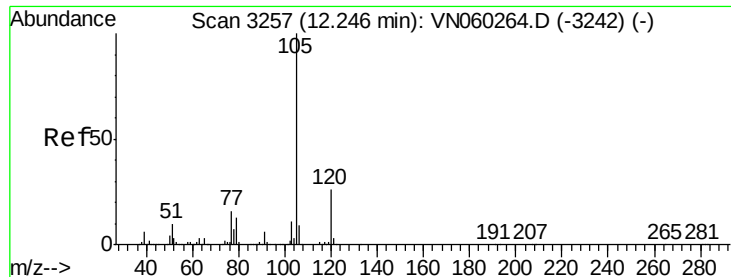
Abundance

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: 18.183 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

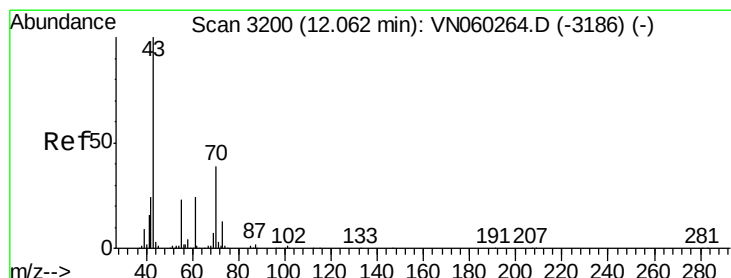
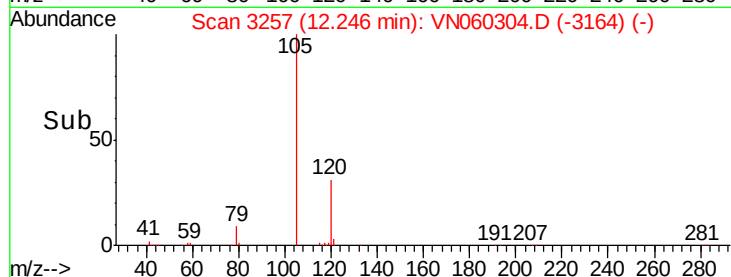
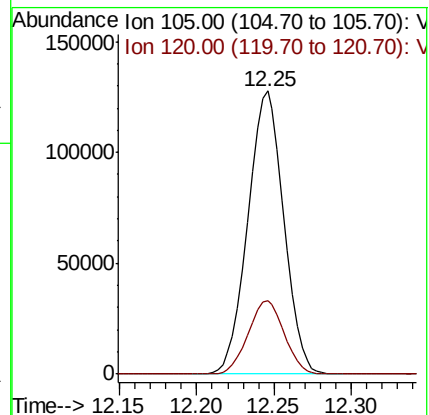
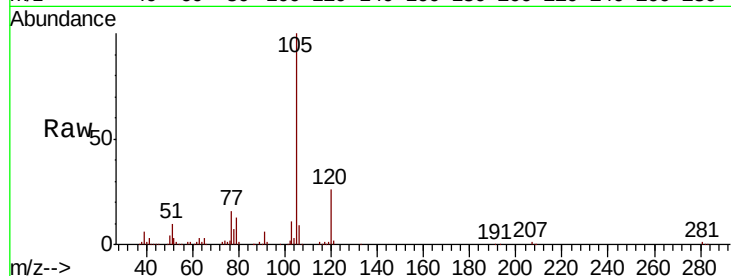
ClientSampled :

Tot Ion:105 Resp: 206081

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



#74

N-ethyl acetate

Concen: 18.244 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion: 43 Resp: 90354

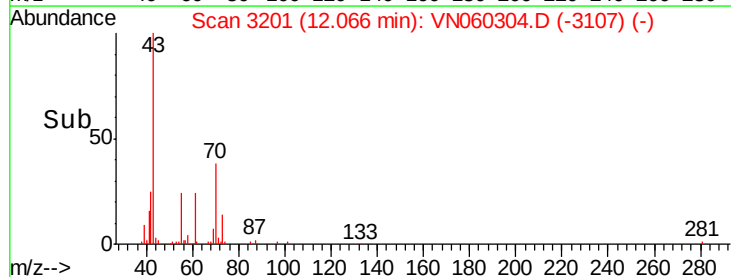
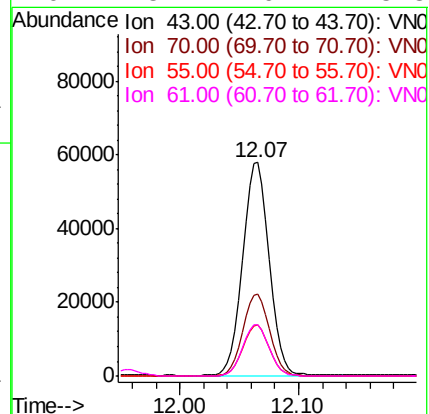
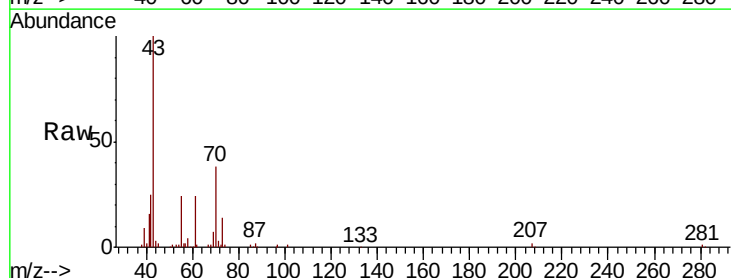
Ion Ratio Lower Upper

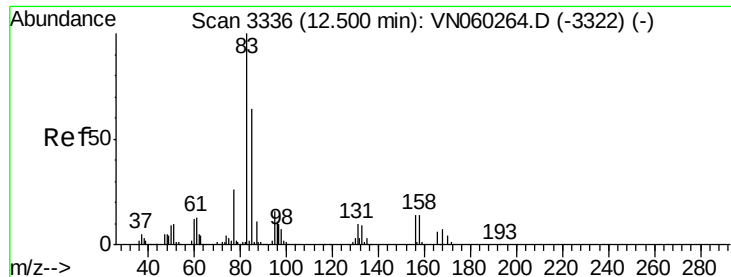
43 100

70 38.3 32.2 48.2

55 23.6 18.2 27.4

61 23.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.154 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

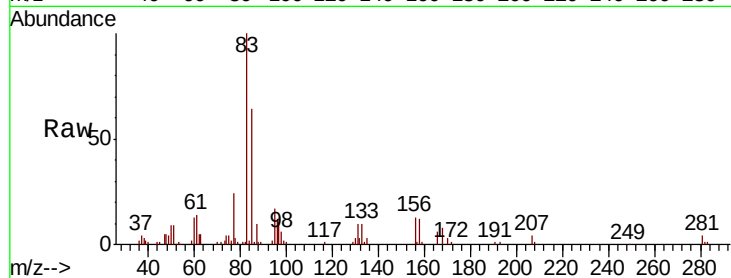
Tot Ion: 83 Resp: 59009

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

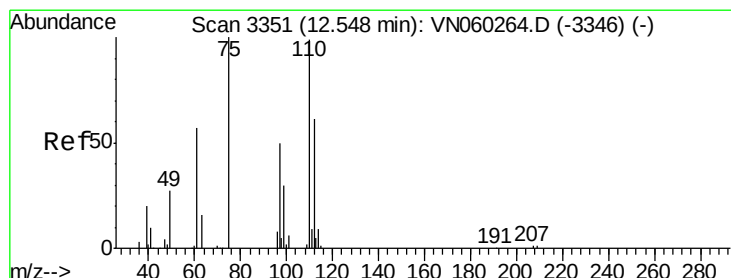
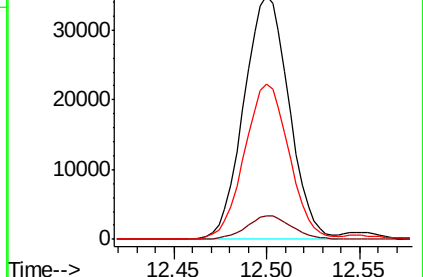
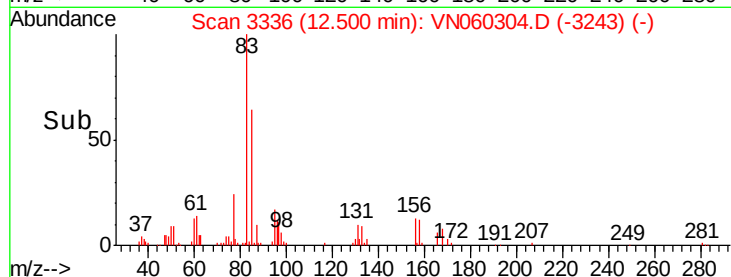
85 63.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060304.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060304.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060304.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 25.020 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060304.D

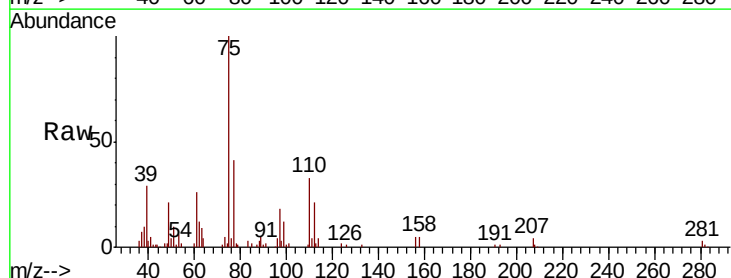
Acq: 2 Mar 2020 12:25

Tgt Ion: 75 Resp: 83941

Ion Ratio Lower Upper

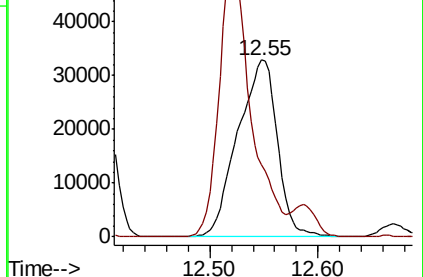
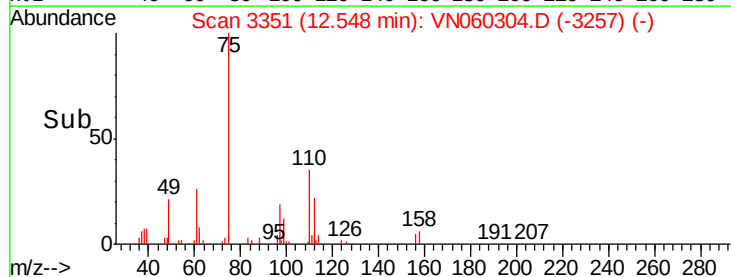
75 100

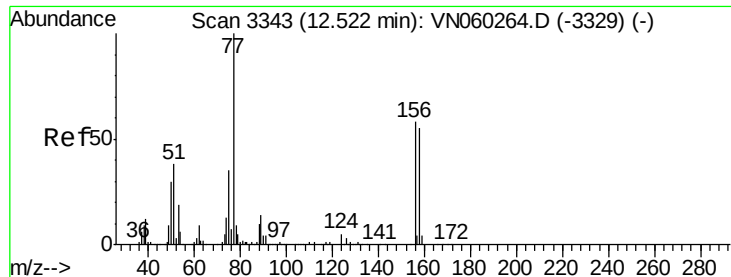
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060304.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060304.D (-3257) (-)





#77

Bromobenzene

Concen: 17.884 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

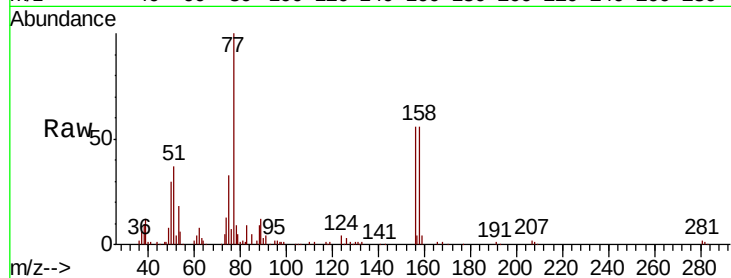
Tot Ion:156 Resp: 49686

Ion Ratio Lower Upper

156 100

77 212.4 106.1 318.3

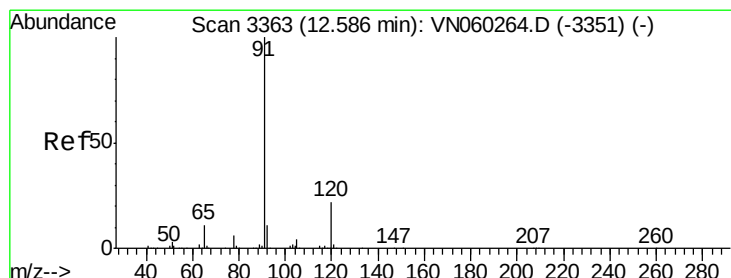
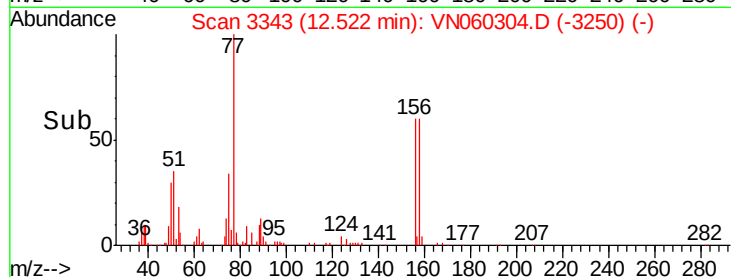
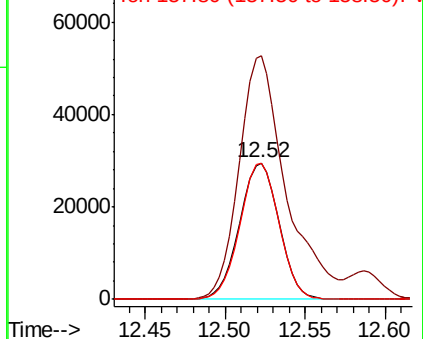
158 98.3 48.3 144.8



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: 18.111 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060304.D

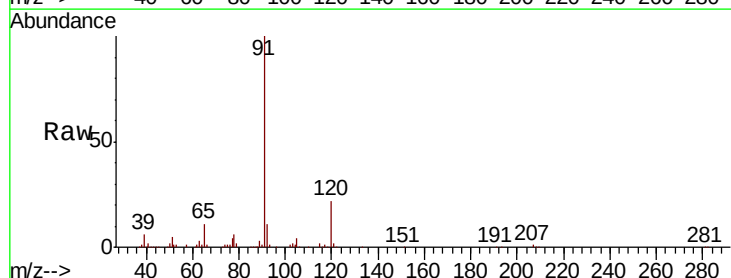
Acq: 2 Mar 2020 12:25

Tgt Ion: 91 Resp: 240613

Ion Ratio Lower Upper

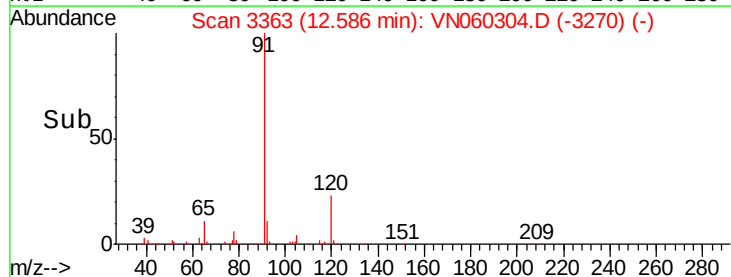
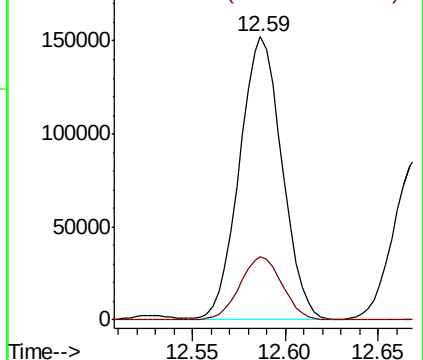
91 100

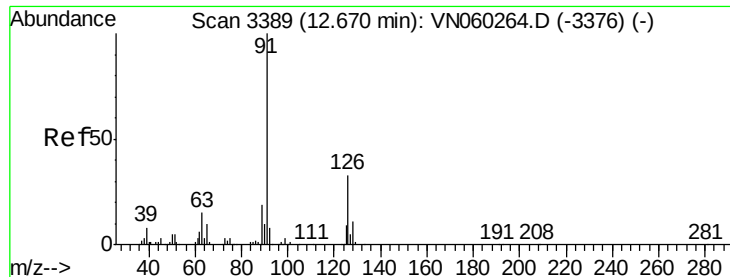
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

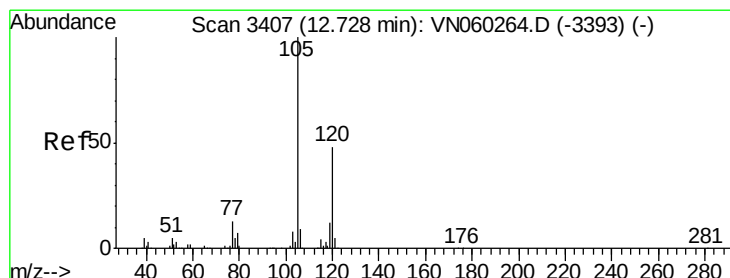
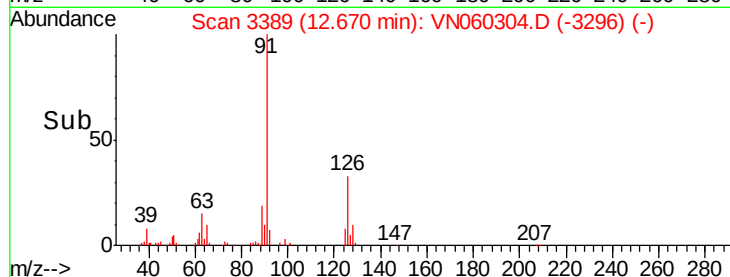
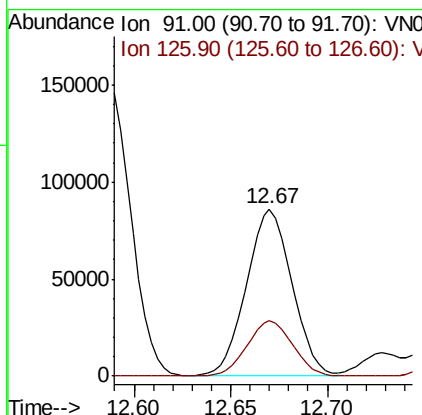
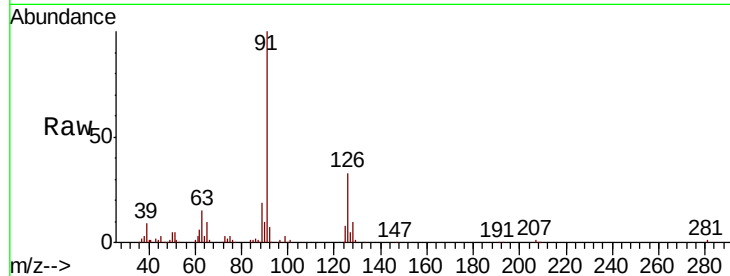




#79
 2-Chlorotoluene
 Concen: 18.033 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

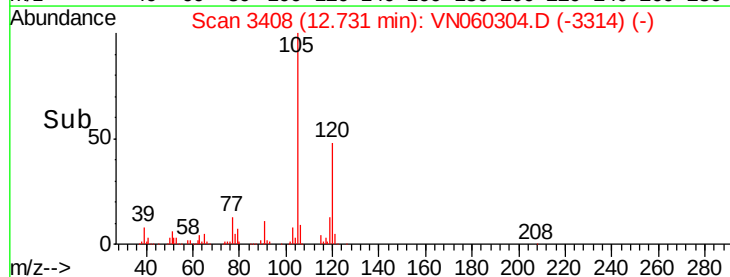
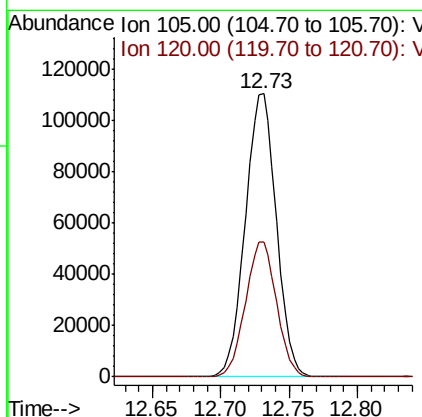
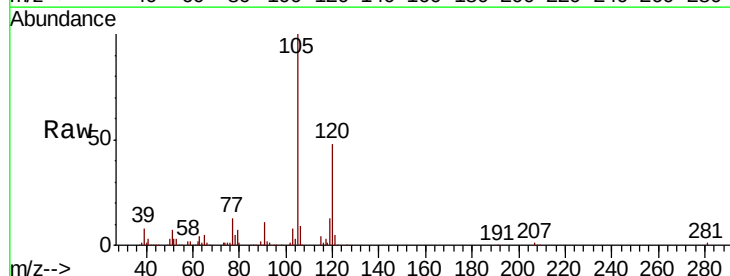
Instrument :
 MSVOA_N
 ClientSampled :

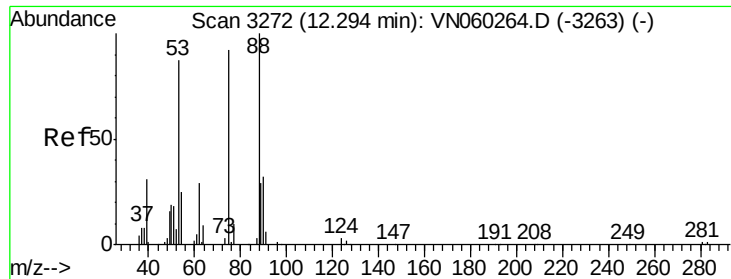
Tot Ion: 91 Resp: 140826
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.257 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 105 Resp: 174219
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.4

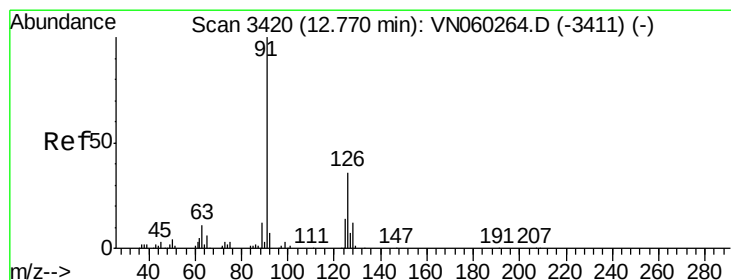
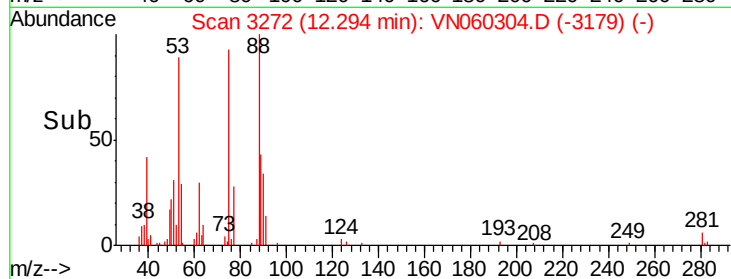
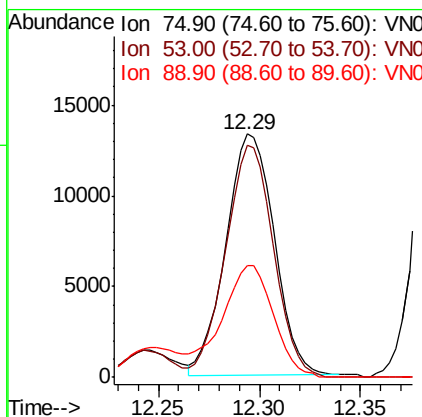
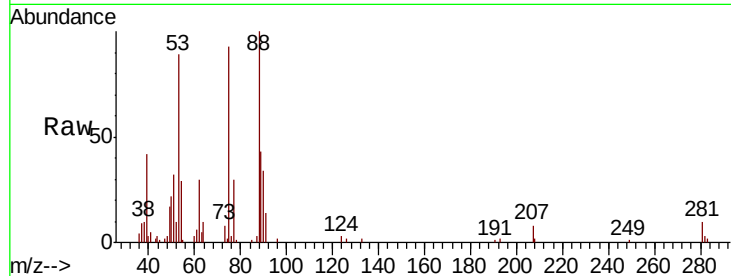




#81
trans-1,4-Dichloro-2-butene
Concen: 18.475 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

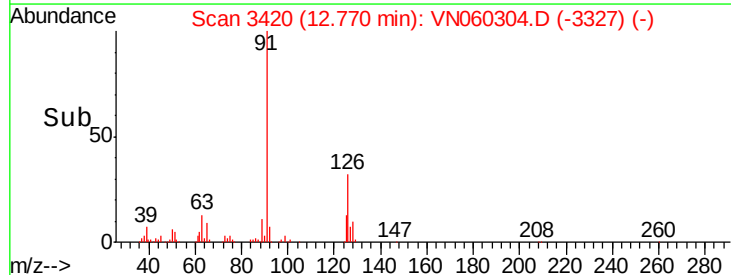
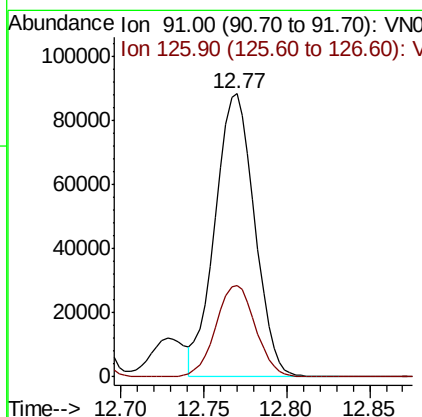
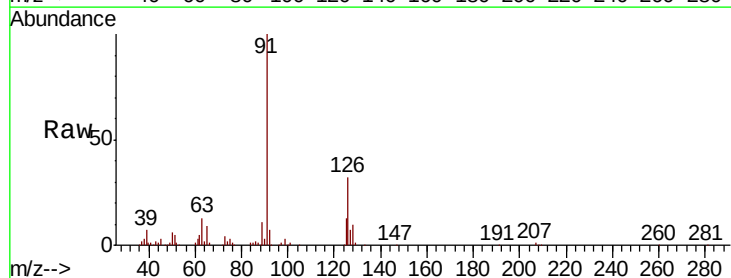
Instrument :
MSVOA_N
ClientSampleId :

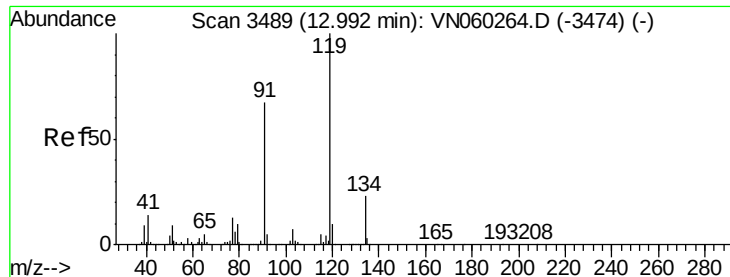
Tot Ion: 75 Resp: 22454
Ion Ratio Lower Upper
75 100
53 94.9 73.8 110.6
89 49.3 57.1 85.7#



#82
4-Chlorotoluene
Concen: 17.792 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 91 Resp: 146384
Ion Ratio Lower Upper
91 100
126 32.5 16.7 50.1

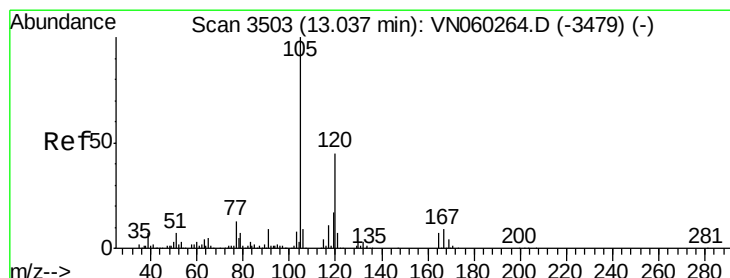
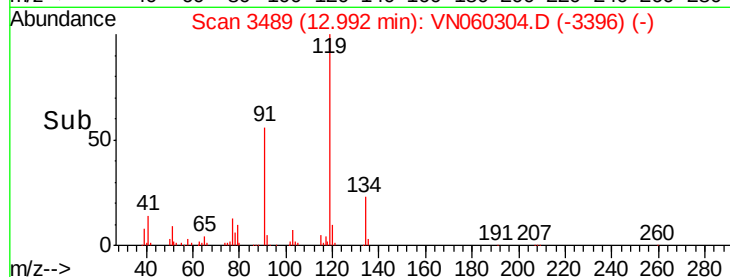
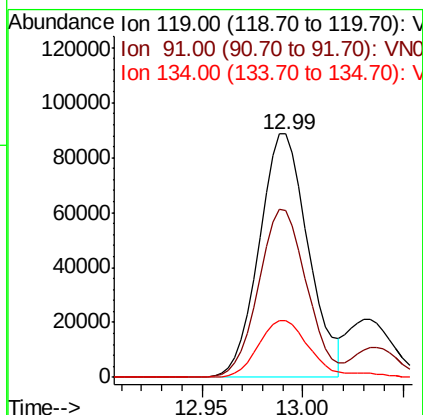
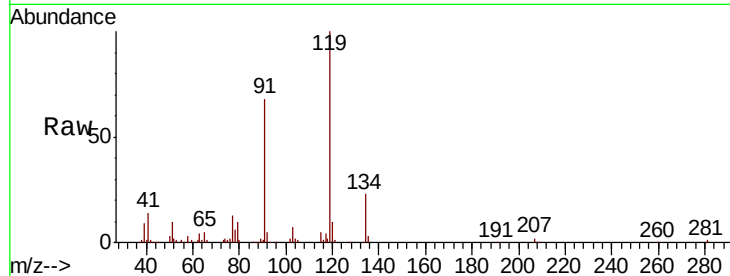




#83
 tert-Butylbenzene
 Concen: 18.203 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

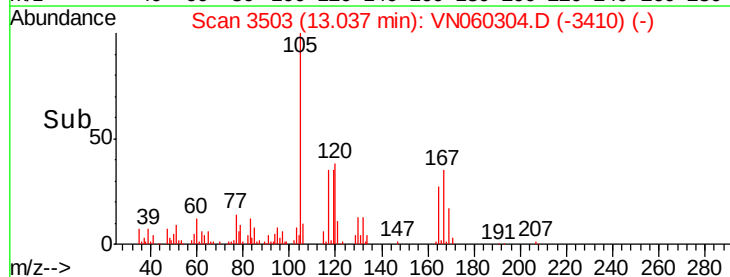
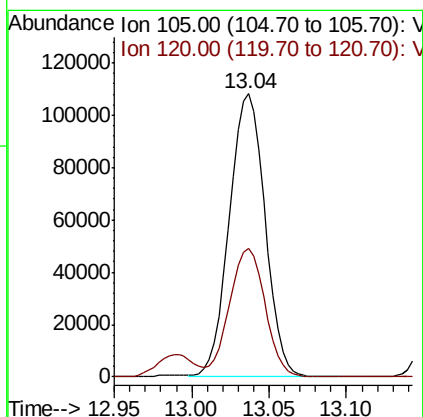
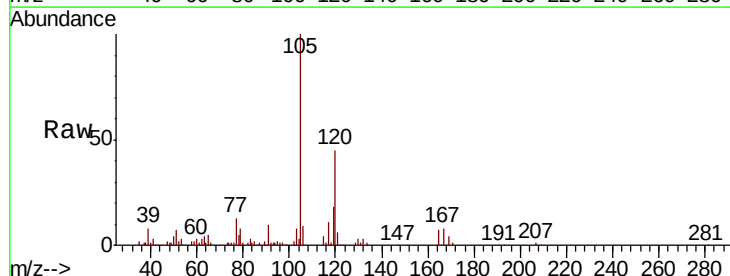
Instrument :
 MSVOA_N
 ClientSampled :

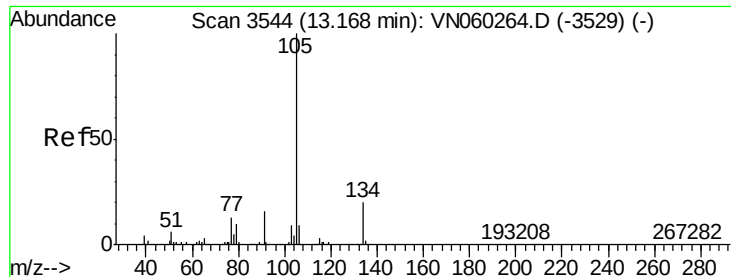
Tot Ion:119 Resp: 150395
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.1 99.2
 134 25.0 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 17.989 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion:105 Resp: 173266
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.9

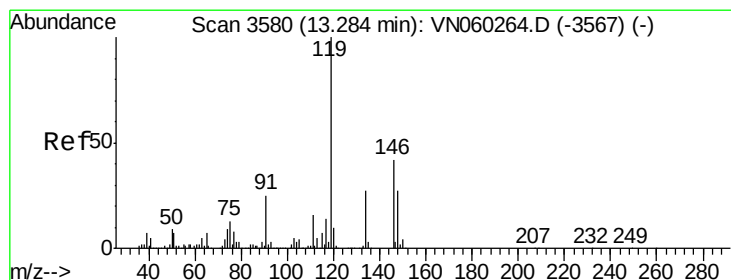
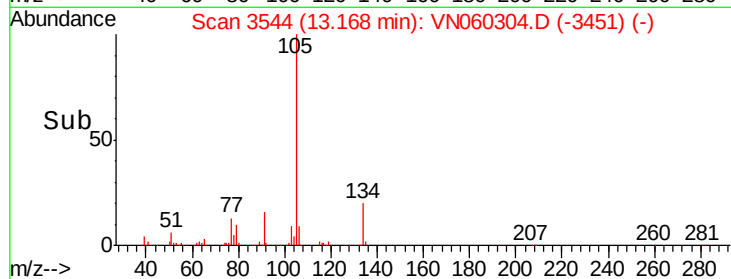
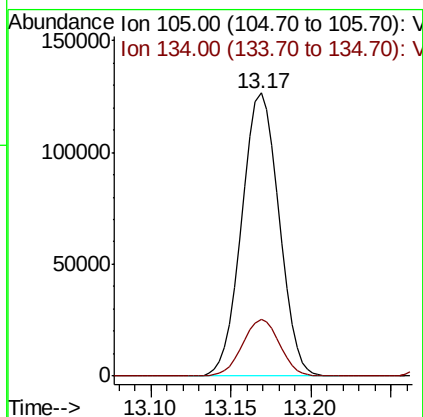
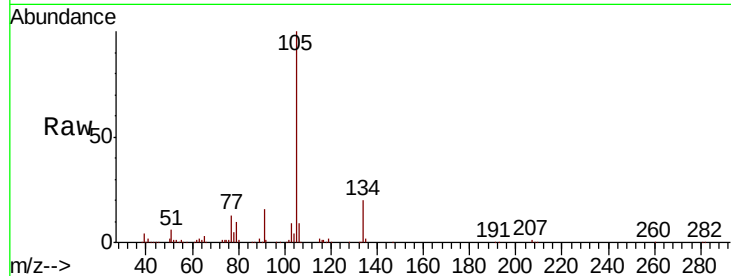




#85
 sec-Butylbenzene
 Concen: 18.103 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

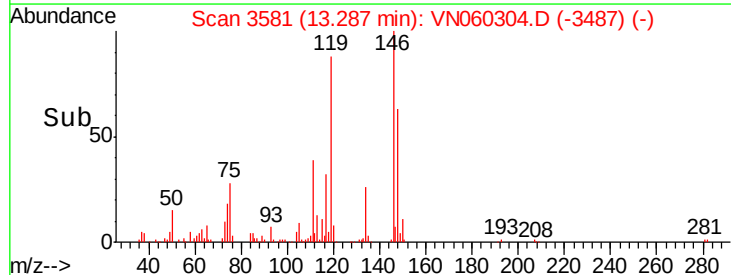
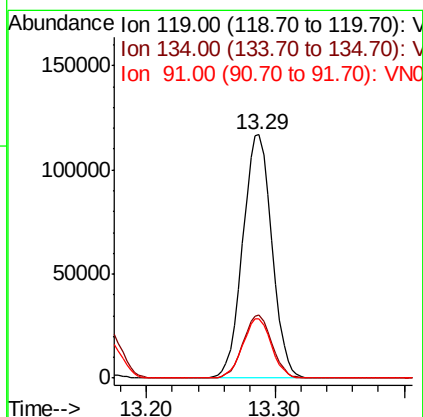
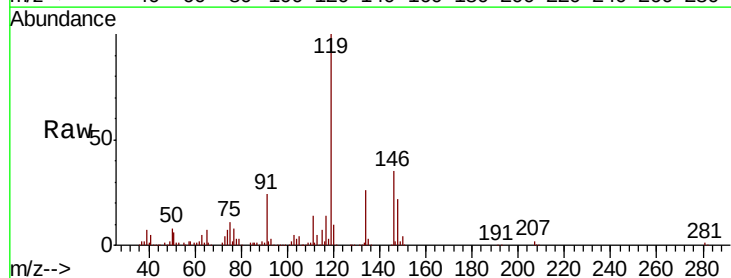
Instrument :
 MSVOA_N
 ClientSampled :

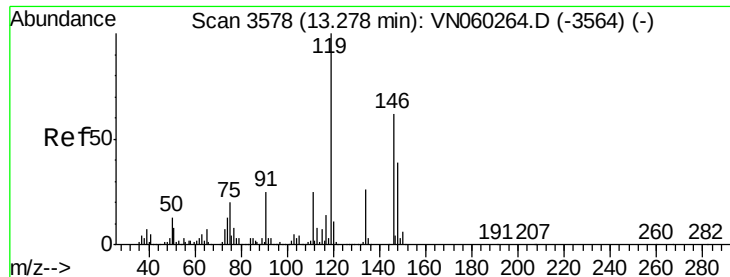
Tot Ion:105 Resp: 200289
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.851 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion:119 Resp: 182792
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.2 12.2 36.6

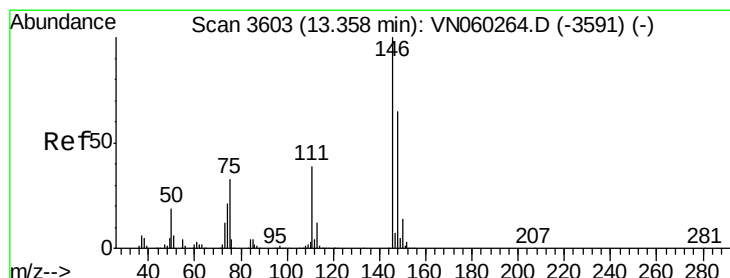
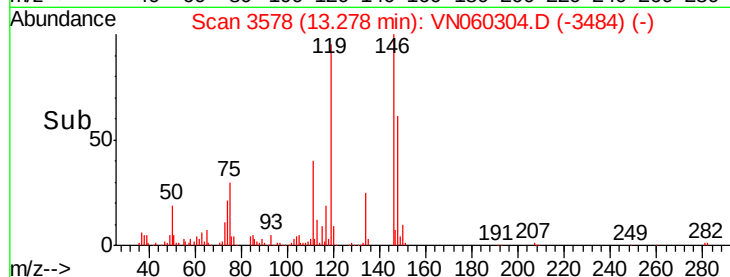
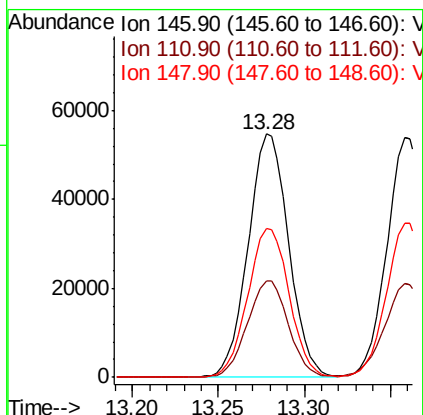
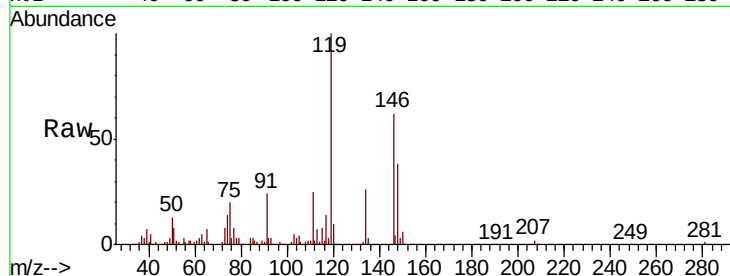




#87
 1,3-Dichlorobenzene
 Concen: 18.576 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

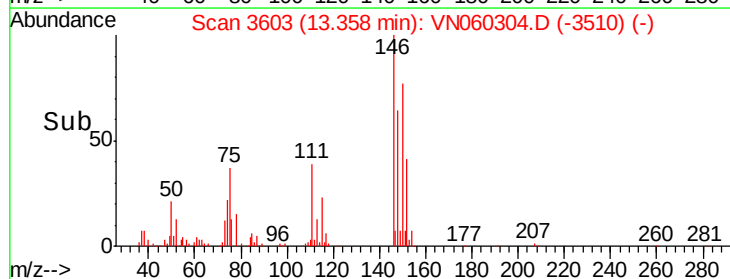
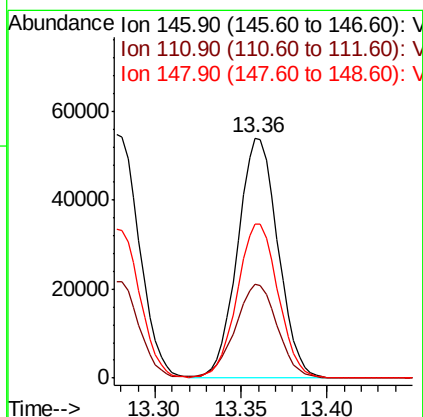
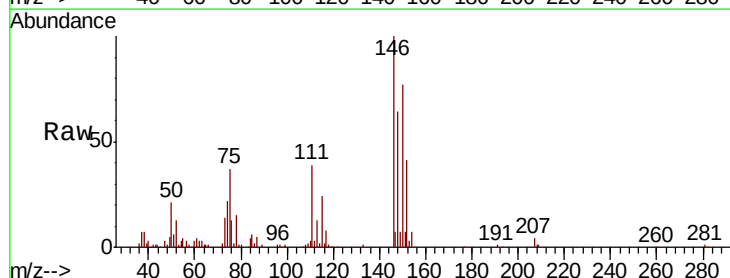
Instrument :
 MSVOA_N
 ClientSampled :

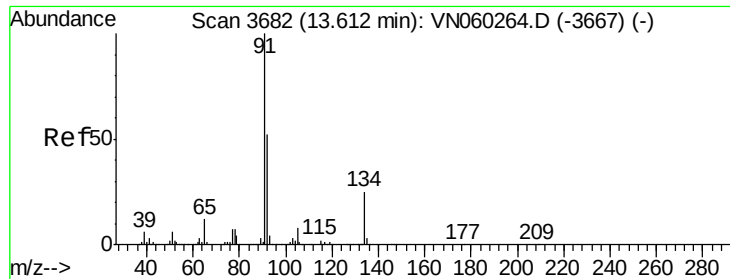
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	62.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.300 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	65.2	32.3	96.9

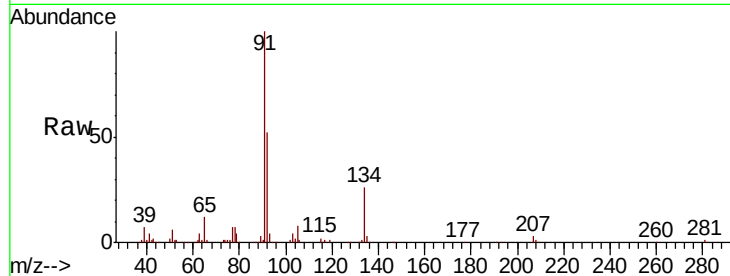




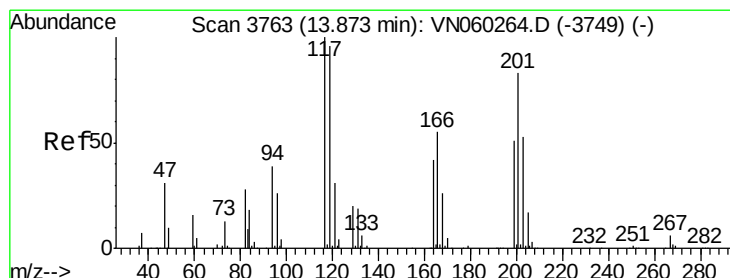
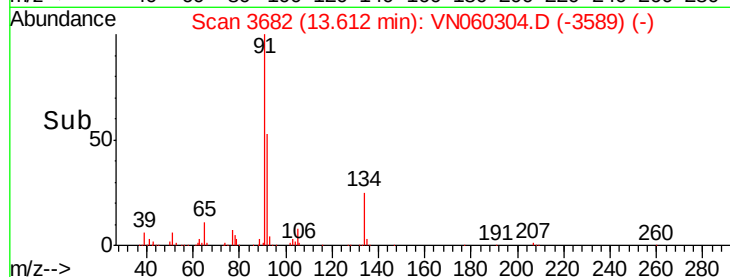
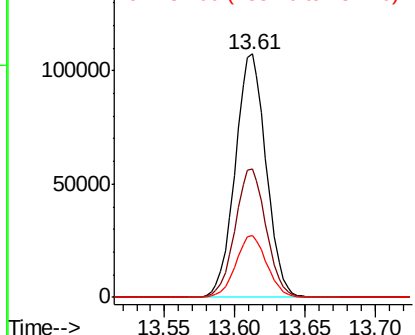
#89
n-Butylbenzene
Concen: 17.560 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 165061
Ion Ratio Lower Upper
91 100
92 52.8 26.0 78.0
134 25.4 12.7 38.1

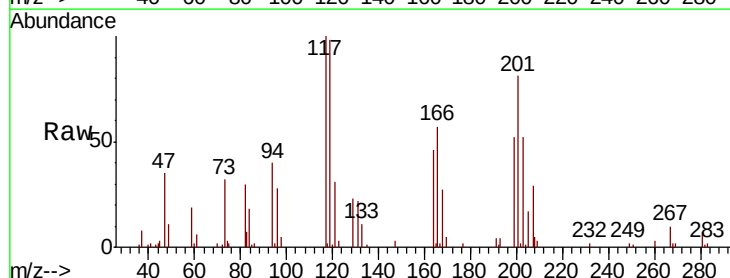


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

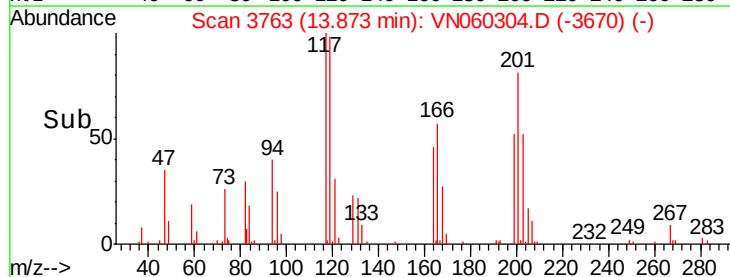
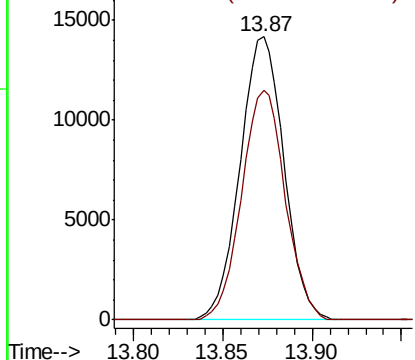


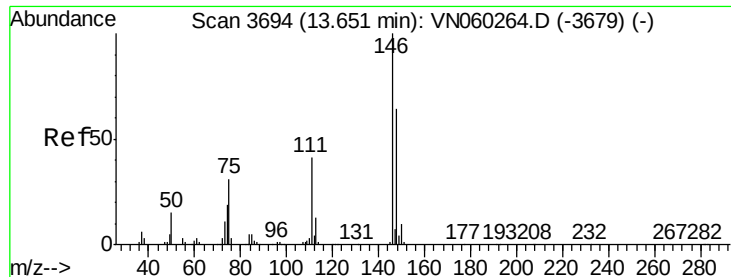
#90
Hexachloroethane
Concen: 16.463 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion: 117 Resp: 24402
Ion Ratio Lower Upper
117 100
201 80.5 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 17.712 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060304.D

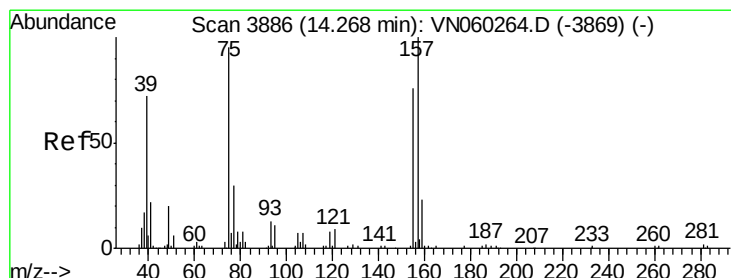
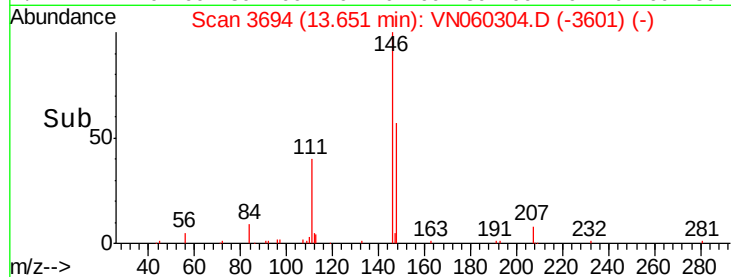
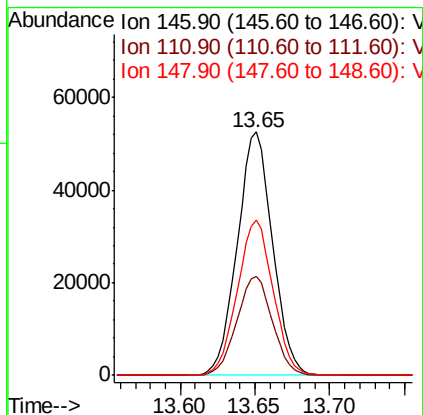
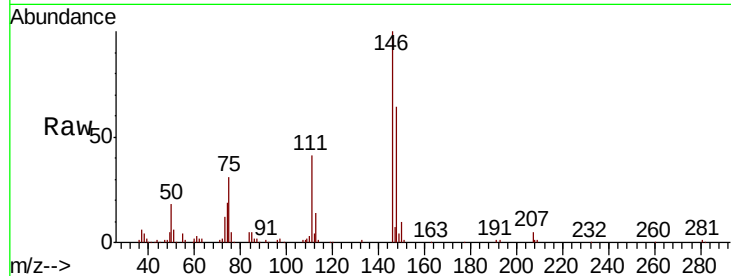
Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	86226
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	61.0
148	64.6	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.870 ug/l

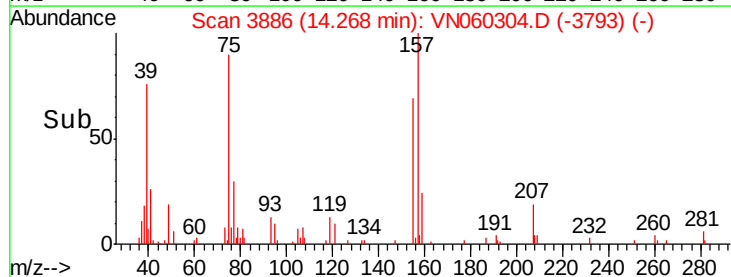
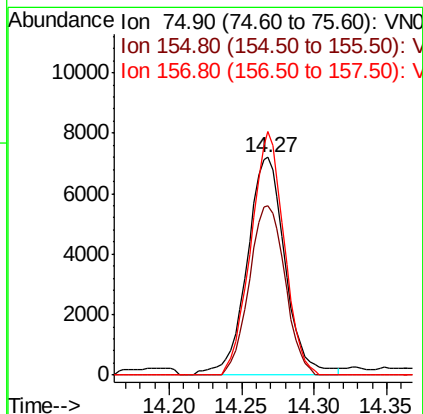
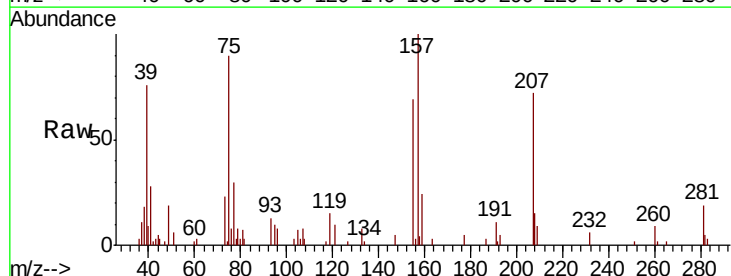
RT: 14.27 min Scan# 3886

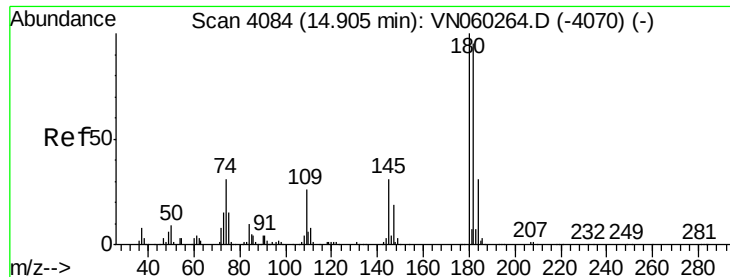
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	75	Resp:	13165
Ion	Ratio	Lower	Upper
75	100		
155	73.0	40.4	121.2
157	97.7	52.5	157.5

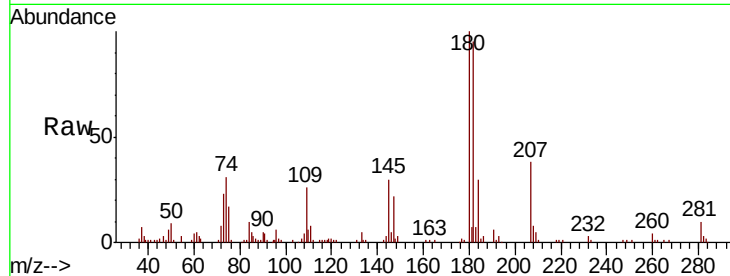




#93
 1,2,4-Trichlorobenzene
 Concen: 18.409 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	31.0	15.4	46.1

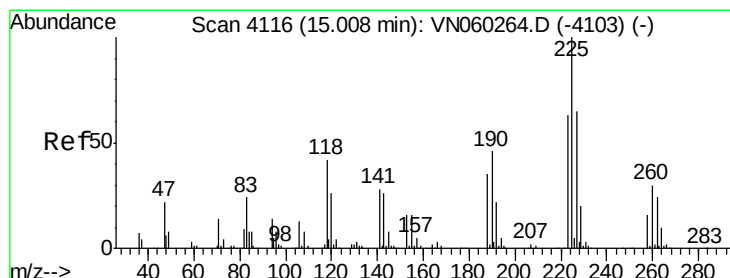
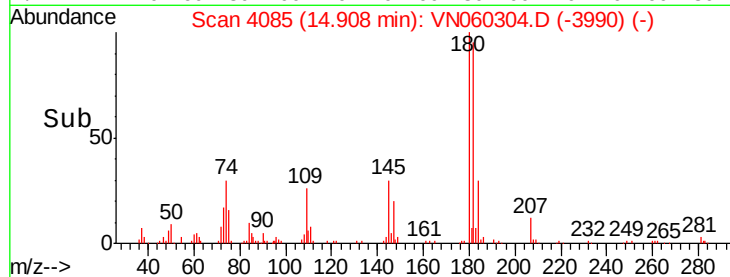
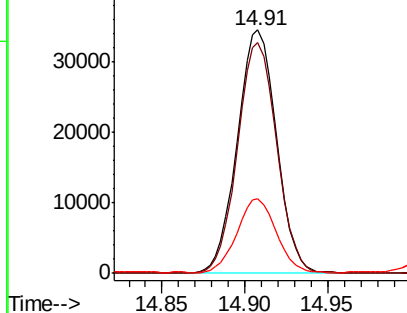


Abundance

Ion 179.80 (179.50 to 180.50): V

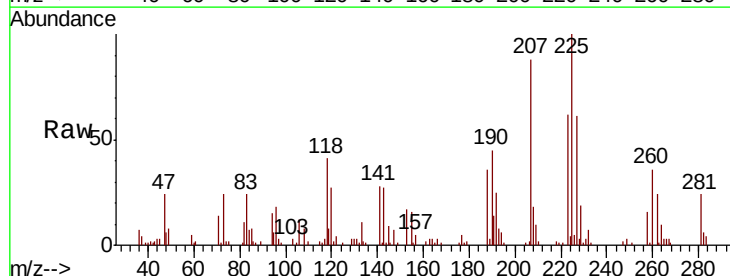
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.221 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.9
227	62.3	32.3	96.9

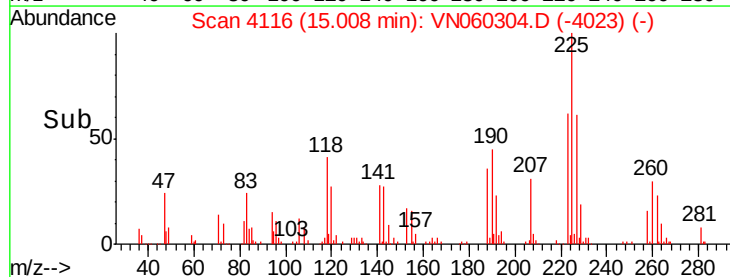
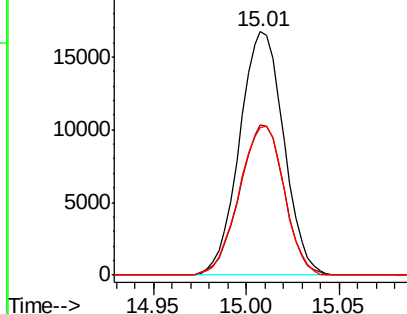


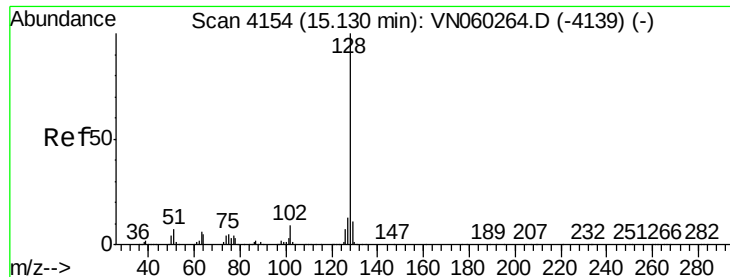
Abundance

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: 18.578 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

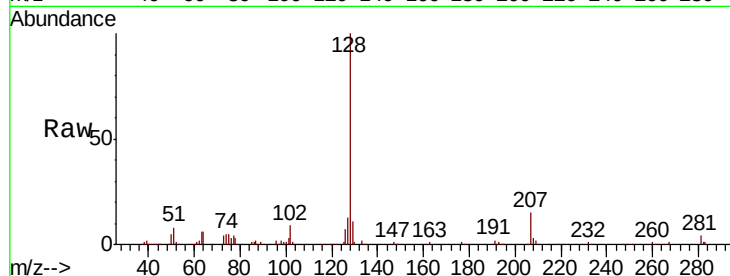
Tot Ion:128 Resp: 170826

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

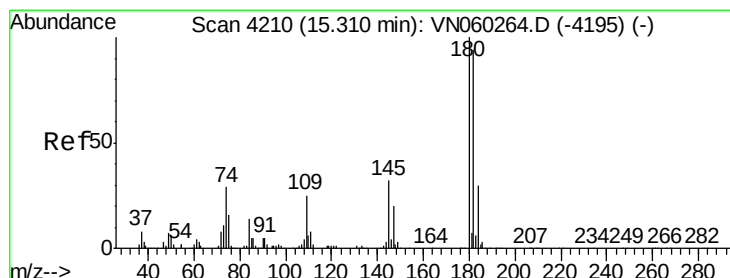
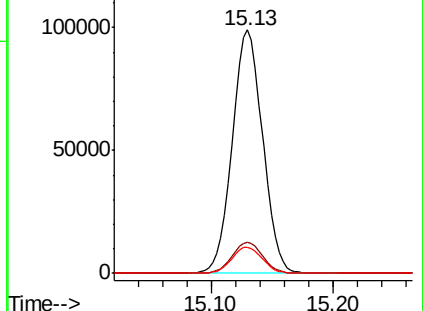
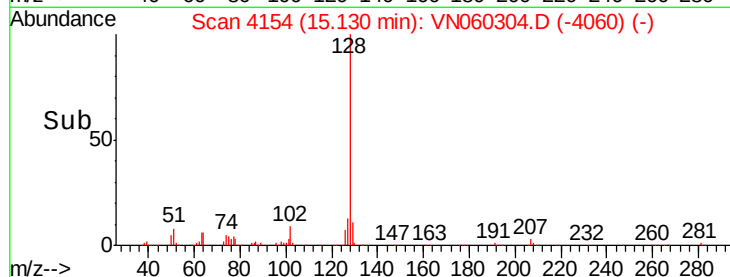
129 10.8 8.6 13.0



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: 19.007 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

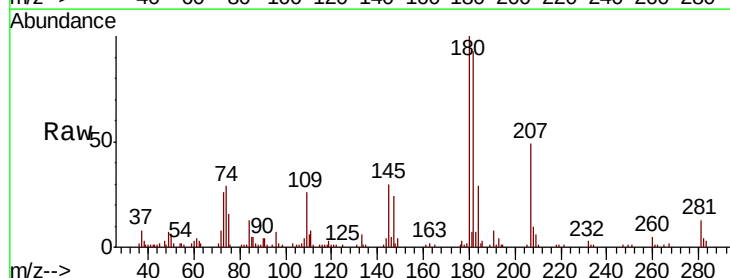
Tgt Ion:180 Resp: 55700

Ion Ratio Lower Upper

180 100

182 95.5 47.3 142.0

145 32.3 16.2 48.5



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

