

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060271.D
 Acq On : 28 Feb 2020 9:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 29 00:32:47 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	235746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	374857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	347531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	140975	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.56	113	91665	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.08	98	424934	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	161643	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	105054	48.604	ug/l	98
3) Chloromethane	2.04	50	170008	45.177	ug/l	99
4) Vinyl Chloride	2.16	62	146214	45.305	ug/l	100
5) Bromomethane	2.54	94	60982	46.789	ug/l	96
6) Chloroethane	2.68	64	81257	46.470	ug/l	97
7) Trichlorofluoromethane	3.00	101	195786	47.482	ug/l	100
8) Diethyl Ether	3.38	74	74247	47.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	113177	48.499	ug/l	100
10) Methyl Iodide	3.92	142	114328	53.681	ug/l	99
11) Tert butyl alcohol	4.72	59	106304	236.693	ug/l	99
12) 1,1-Dichloroethene	3.71	96	109216	48.220	ug/l	98
13) Acrolein	3.57	56	107119	255.660	ug/l	99
14) Allyl chloride	4.29	41	185925	44.523	ug/l	91
15) Acrylonitrile	4.94	53	290874	245.712	ug/l	99
16) Acetone	3.78	43	195832	200.493	ug/l	98
17) Carbon Disulfide	4.03	76	294711	49.020	ug/l	99
18) Methyl Acetate	4.28	43	147730	45.322	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	391862	47.654	ug/l	100
20) Methylene Chloride	4.52	84	125263	46.697	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	116561	47.883	ug/l	98
22) Diisopropyl ether	5.91	45	414222	48.970	ug/l	99
23) Vinyl Acetate	5.85	43	1675698	249.301	ug/l	100
24) 1,1-Dichloroethane	5.81	63	229205	47.869	ug/l	99
25) 2-Butanone	6.79	43	364212	230.852	ug/l	99
26) 2,2-Dichloropropane	6.79	77	213349	48.944	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	137490	44.202	ug/l	98
28) Bromochloromethane	7.17	49	90583	46.076	ug/l	100
29) Tetrahydrofuran	7.18	42	256034	233.376	ug/l	99
30) Chloroform	7.34	83	229242	48.094	ug/l	100
31) Cyclohexane	7.63	56	201961	49.411	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	204232	48.359	ug/l	99
36) 1,1-Dichloropropene	7.77	75	171947	48.130	ug/l	99
37) Ethyl Acetate	6.89	43	164783	48.712	ug/l	100
38) Carbon Tetrachloride	7.75	117	174134	50.063	ug/l	98

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 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	207286	49.210	ug/l	99
40) Benzene	8.02	78	508247	48.878	ug/l	100
41) Methacrylonitrile	7.17	41	238351	152.598	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	184339	49.127	ug/l	99
43) Isopropyl Acetate	8.14	43	291037	49.144	ug/l	99
44) Trichloroethene	8.81	130	139540	48.184	ug/l	99
45) 1,2-Dichloropropane	9.10	63	135927	49.998	ug/l	99
46) Dibromomethane	9.19	93	85373	48.396	ug/l	98
47) Bromodichloromethane	9.38	83	182038	50.739	ug/l	98
48) Methyl methacrylate	9.18	41	130084	48.169	ug/l	99
49) 1,4-Dioxane	9.17	88	38048	1001.861	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	832242	247.858	ug/l	100
52) Toluene	10.14	92	321025	49.148	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	213945	48.666	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	226219	49.660	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	125513	47.784	ug/l	99
56) Ethyl methacrylate	10.42	69	193808	51.358	ug/l	99
57) 1,3-Dichloropropane	10.70	76	213002	49.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	535830	271.492	ug/l	100
59) 2-Hexanone	10.74	43	604305	245.121	ug/l	99
60) Dibromochloromethane	10.89	129	136739	51.189	ug/l	99
61) 1,2-Dibromoethane	10.99	107	128730	50.274	ug/l	98
64) Tetrachloroethene	10.62	164	144782	52.996	ug/l	99
65) Chlorobenzene	11.42	112	336620	47.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	129920	50.071	ug/l	99
67) Ethyl Benzene	11.50	91	630253	49.317	ug/l	99
68) m/p-Xylenes	11.61	106	470836	97.651	ug/l	99
69) o-Xylene	11.94	106	226081	49.171	ug/l	99
70) Styrene	11.96	104	377498	49.938	ug/l	99
71) Bromoform	12.12	173	95947	51.308	ug/l #	99
73) Isopropylbenzene	12.24	105	619806	49.207	ug/l	100
74) N-amyl acetate	12.06	43	263639	47.898	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164603	48.075	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	242926	65.153	ug/l #	100
77) Bromobenzene	12.52	156	149771	48.507	ug/l	99
78) n-propylbenzene	12.59	91	724100	49.042	ug/l	100
79) 2-Chlorotoluene	12.67	91	419894	48.380	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	524727	49.478	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	67422	49.916	ug/l #	61
82) 4-Chlorotoluene	12.77	91	438894	47.998	ug/l	99
83) tert-Butylbenzene	12.99	119	445324	48.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	527540	49.283	ug/l	100
85) sec-Butylbenzene	13.17	105	606818	49.352	ug/l	99
86) p-Isopropyltoluene	13.28	119	557403	48.979	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	270361	50.963	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	270317	51.250	ug/l	99
89) n-Butylbenzene	13.61	91	505194	48.358	ug/l	100
90) Hexachloroethane	13.87	117	85600	51.964	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	258643	47.806	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35475	45.753	ug/l	99

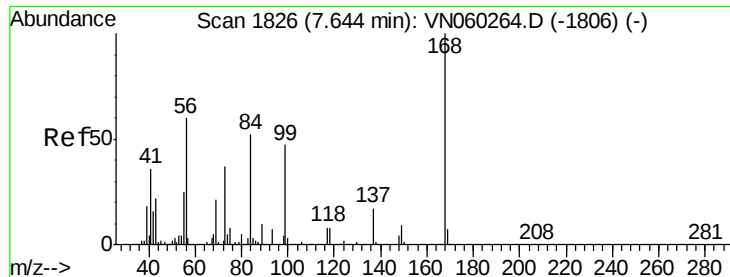
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QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	172502	50.178	ug/l	99
94) Hexachlorobutadiene	15.01	225	83022	52.565	ug/l	99
95) Naphthalene	15.13	128	484808	47.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159164	49.158	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

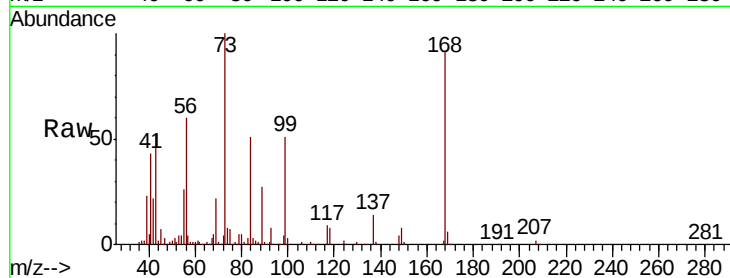
ClientSampleId :

Tot Ion:168 Resp: 235746

Ion Ratio Lower Upper

168 100

99 56.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

40000

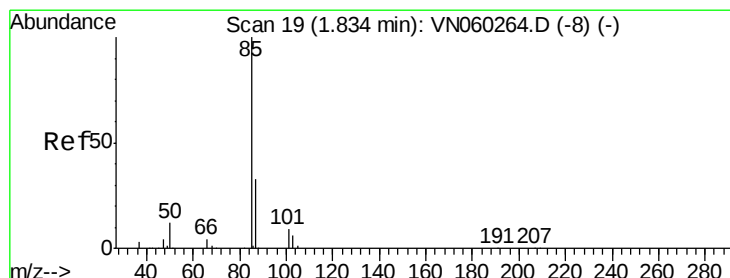
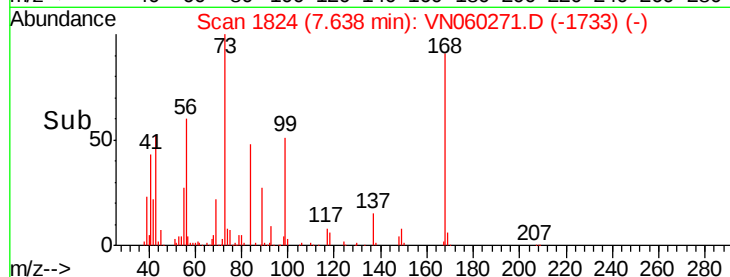
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.604 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060271.D

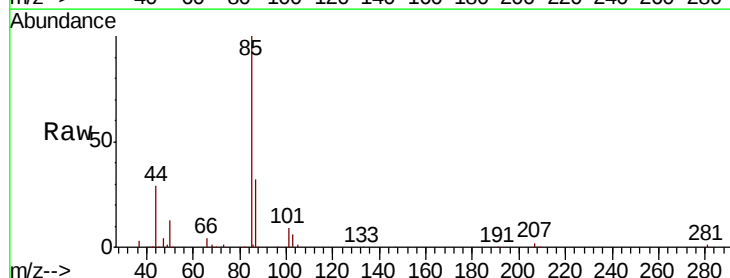
Acq: 28 Feb 2020 9:29

Tgt Ion: 85 Resp: 105054

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

0

1.75

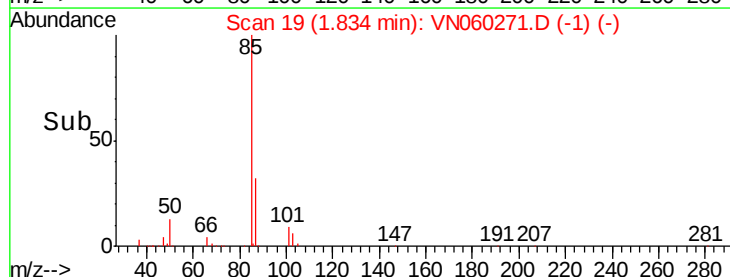
1.80

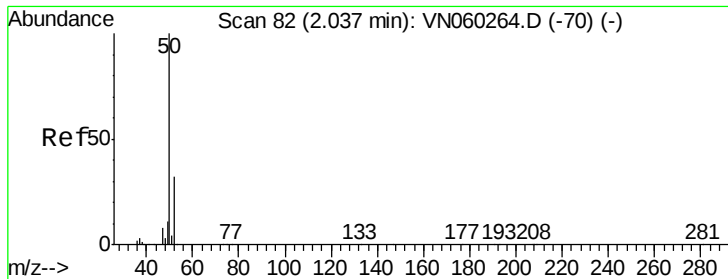
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 45.177 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

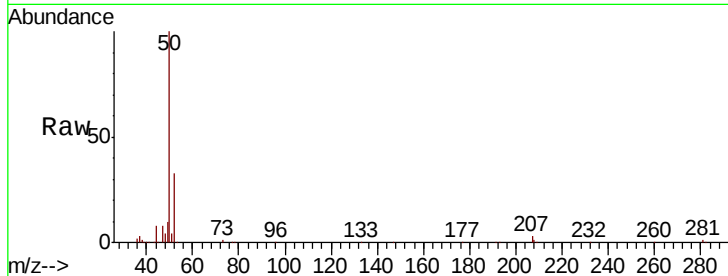
ClientSampled :

Tot Ion: 50 Resp: 170008

Ion Ratio Lower Upper

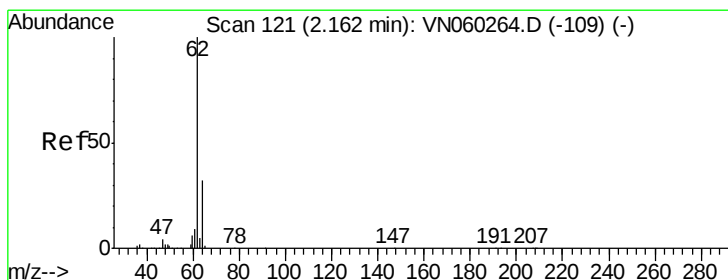
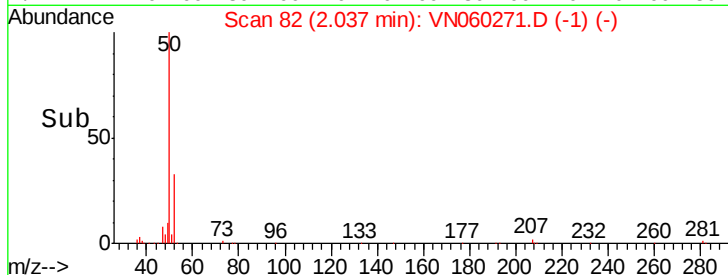
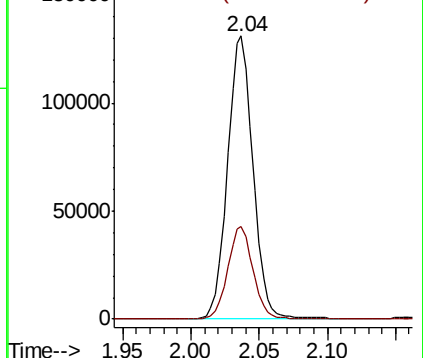
50 100

52 32.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060271.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060271.D (-1) (-)



#4

Vinyl Chloride

Concen: 45.305 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060271.D

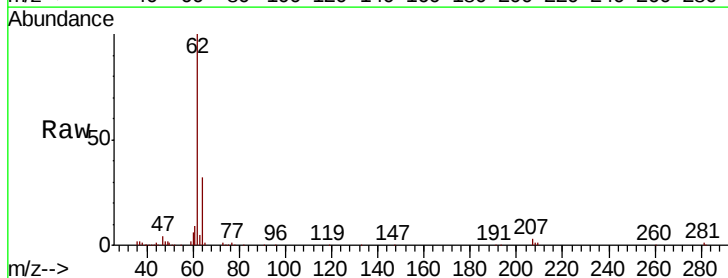
Acq: 28 Feb 2020 9:29

Tgt Ion: 62 Resp: 146214

Ion Ratio Lower Upper

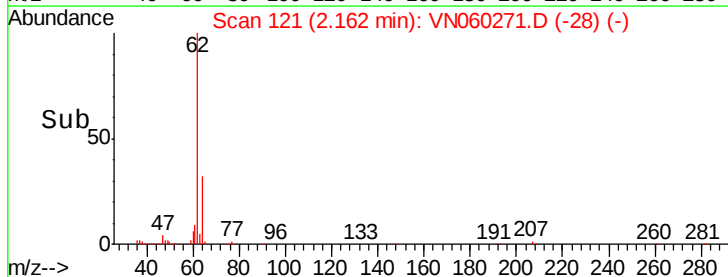
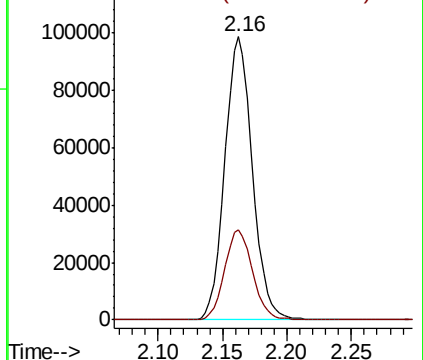
62 100

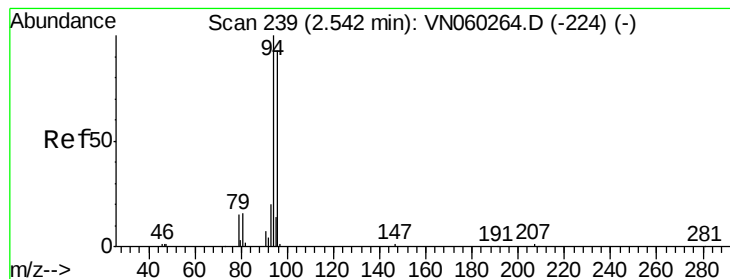
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060271.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN060271.D (-28) (-)





#5

Bromomethane

Concen: 46.789 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

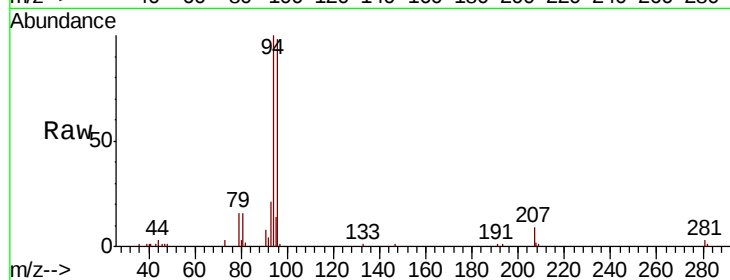
ClientSampleId :

Tot Ion: 94 Resp: 60982

Ion Ratio Lower Upper

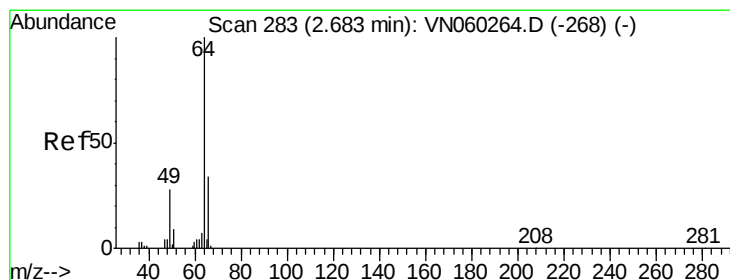
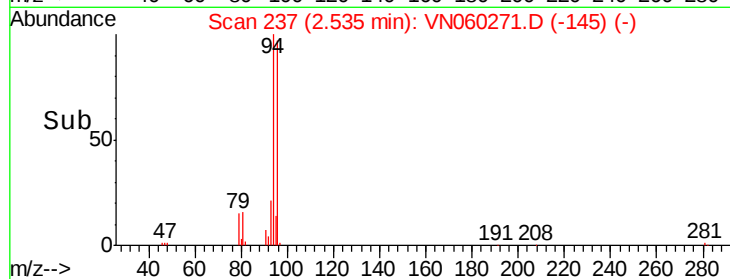
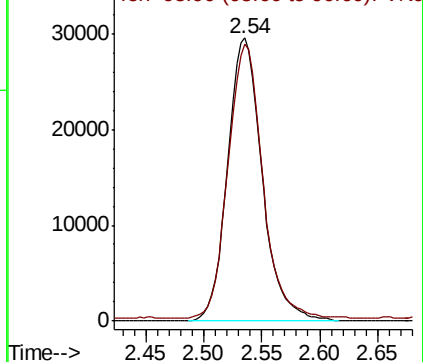
94 100

96 96.6 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.470 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060271.D

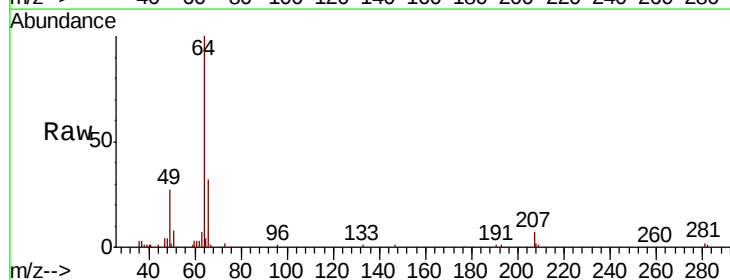
Acq: 28 Feb 2020 9:29

Tgt Ion: 64 Resp: 81257

Ion Ratio Lower Upper

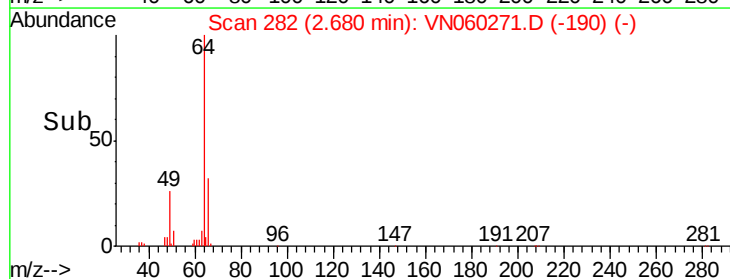
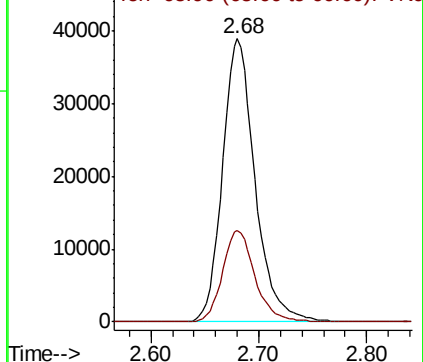
64 100

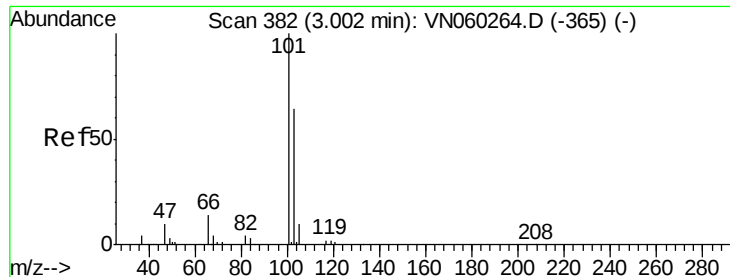
66 32.5 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



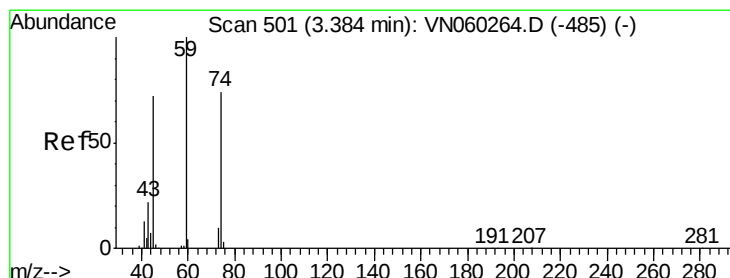
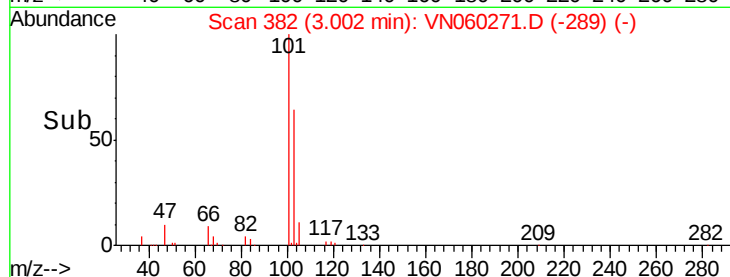
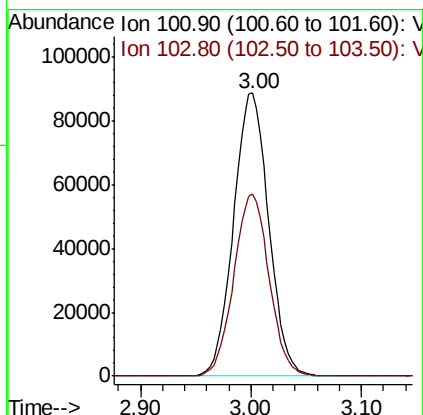
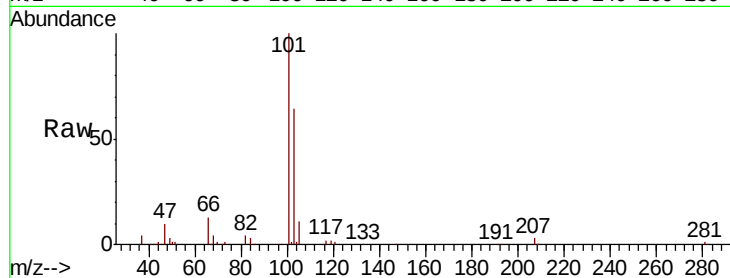


#7

Trichlorofluoromethane
Concen: 47.482 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :

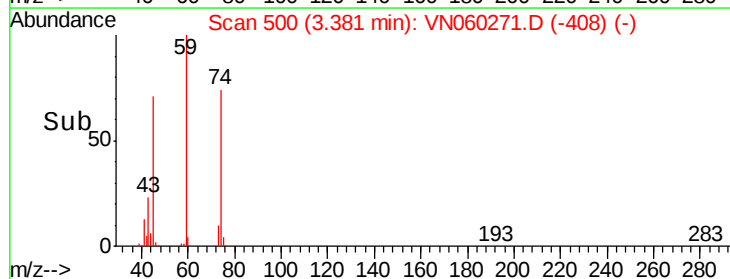
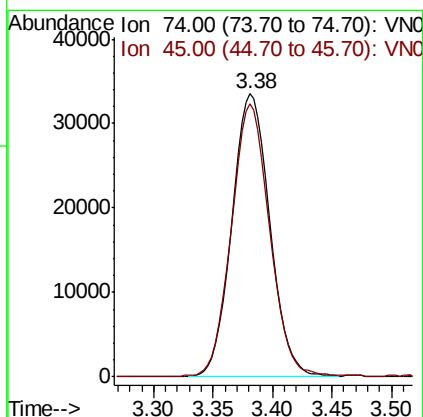
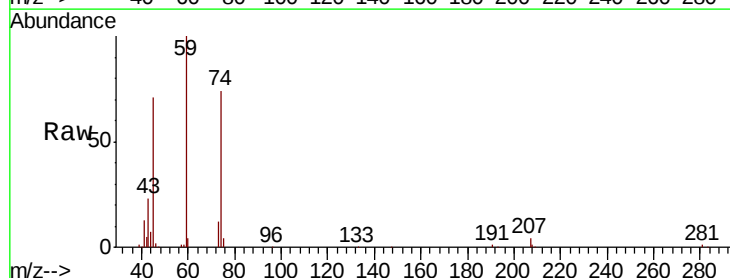
Tot Ion:101 Resp: 195786
Ion Ratio Lower Upper
101 100
103 64.2 51.3 76.9

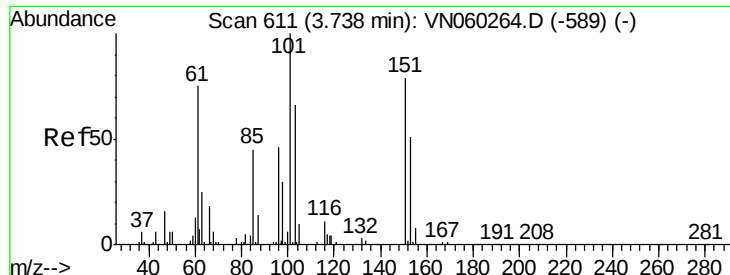


#8

Diethyl Ether
Concen: 47.691 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion: 74 Resp: 74247
Ion Ratio Lower Upper
74 100
45 97.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.499 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

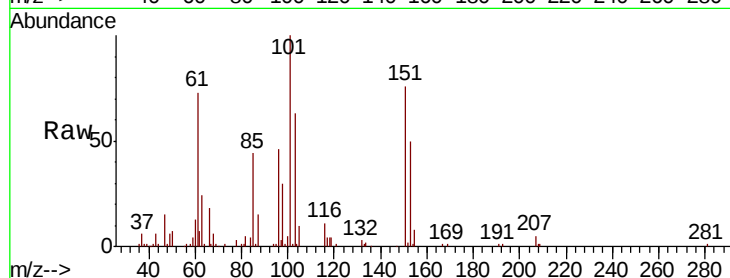
Tot Ion:101 Resp: 113177

Ion Ratio Lower Upper

101 100

85 44.0 35.4 53.2

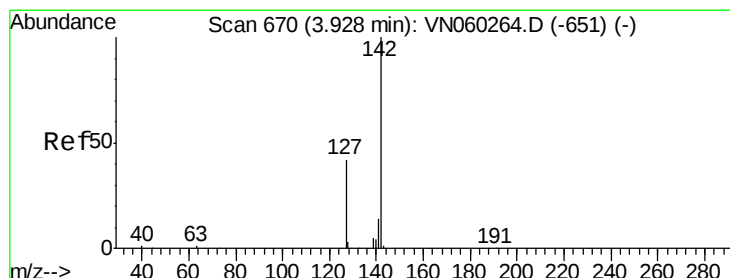
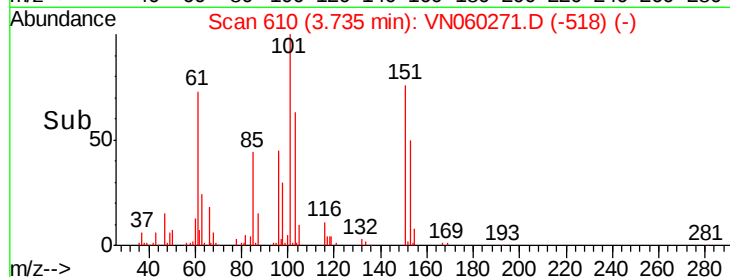
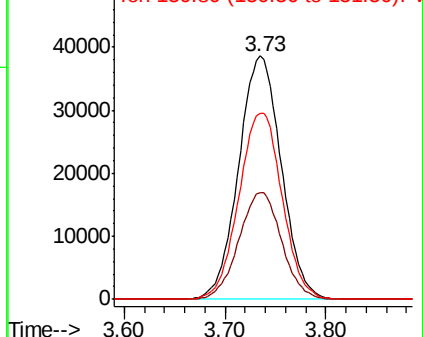
151 77.7 62.0 93.0



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: 53.681 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

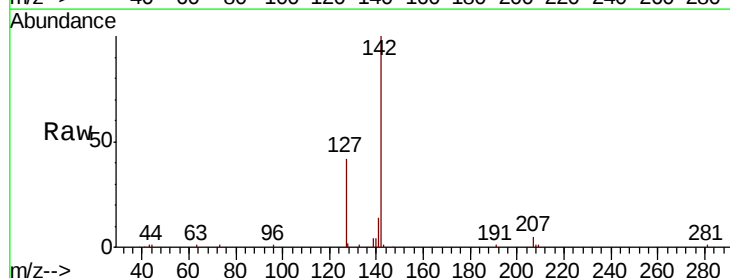
Tgt Ion:142 Resp: 114328

Ion Ratio Lower Upper

142 100

127 42.6 33.8 50.6

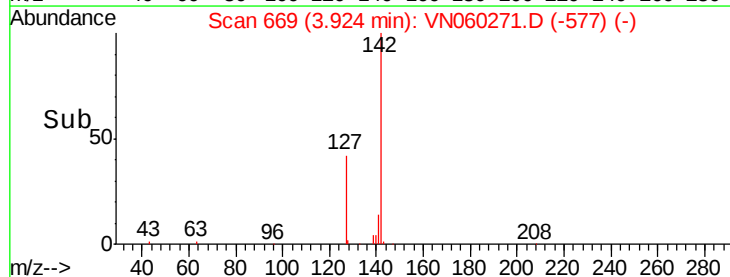
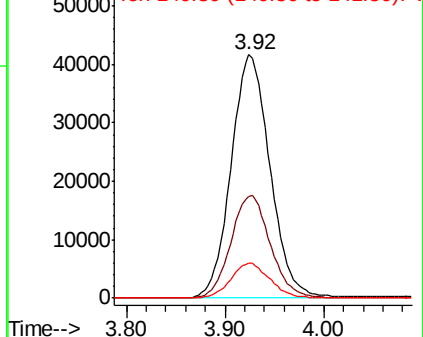
141 14.2 11.1 16.7

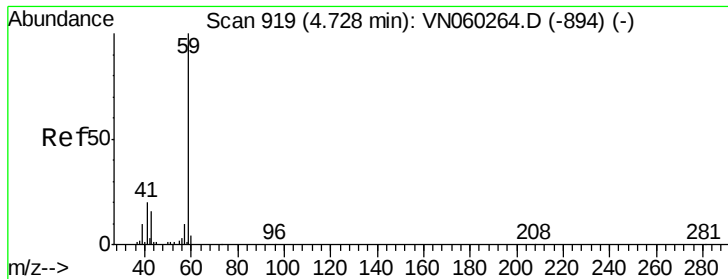


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



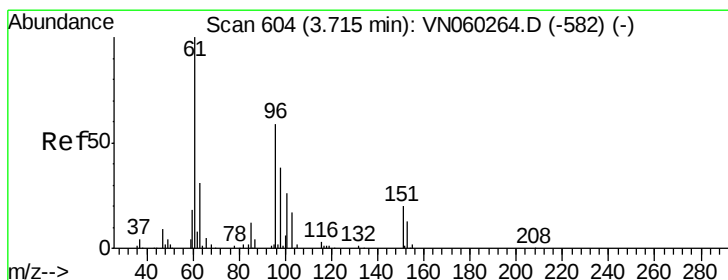
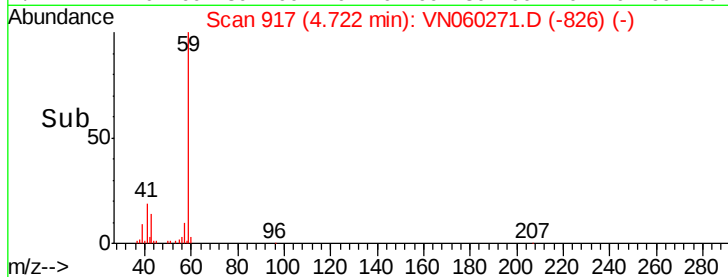
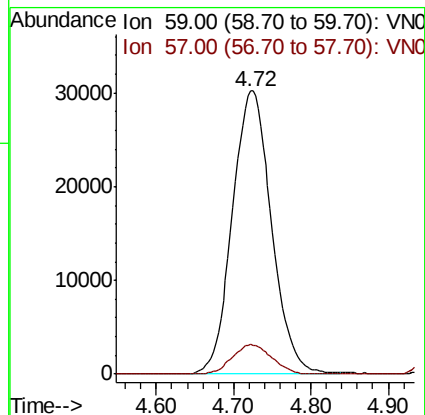
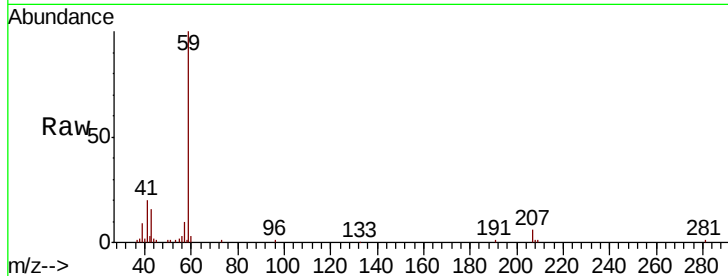


#11

Tert butyl alcohol
 Concen: 236.693 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :

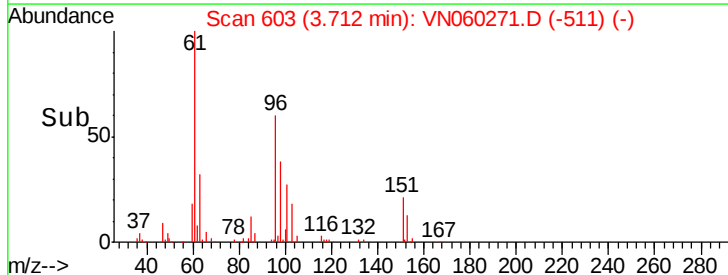
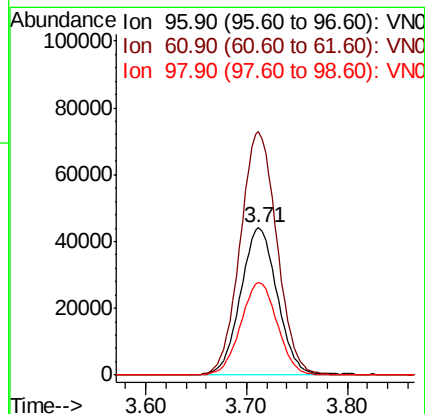
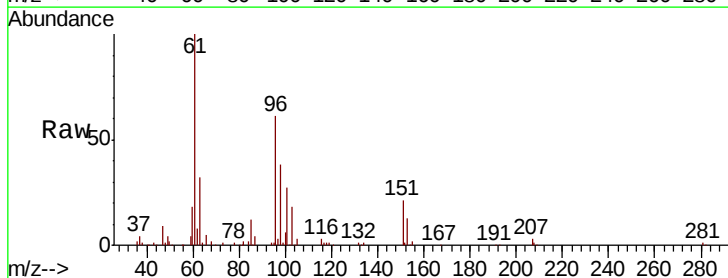
Tot Ion: 59 Resp: 106304
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 48.220 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion: 96 Resp: 109216
 Ion Ratio Lower Upper
 96 100
 61 166.0 135.4 203.0
 98 63.4 51.6 77.4





#13

Acrolein

Concen: 255.660 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

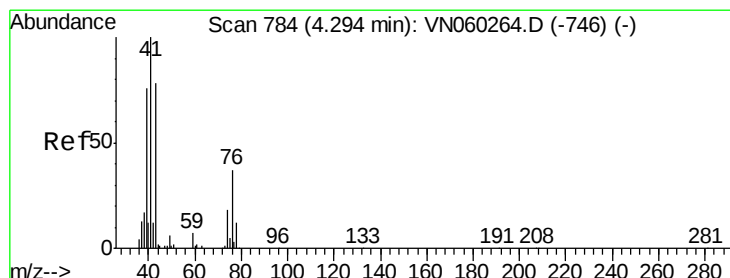
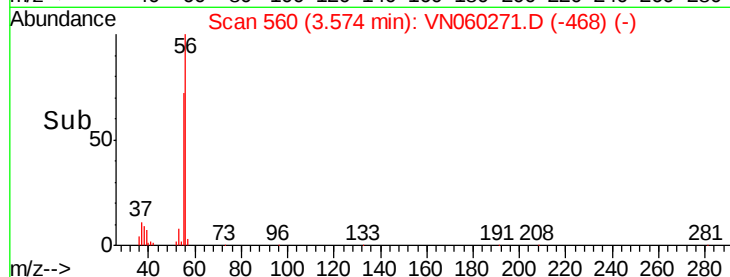
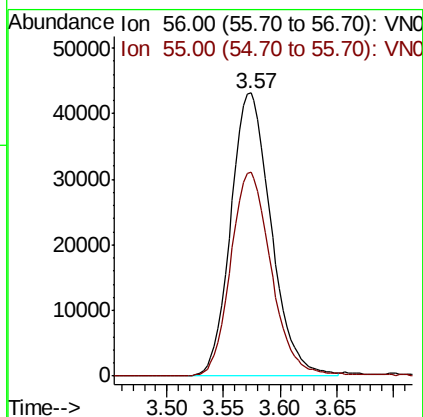
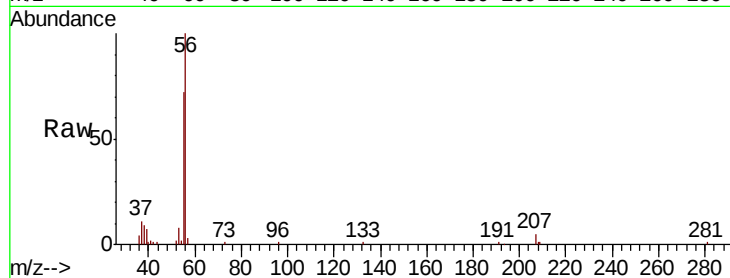
ClientSampleId :

Tot Ion: 56 Resp: 107119

Ion Ratio Lower Upper

56 100

55 72.4 57.4 86.0



#14

Allyl chloride

Concen: 44.523 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

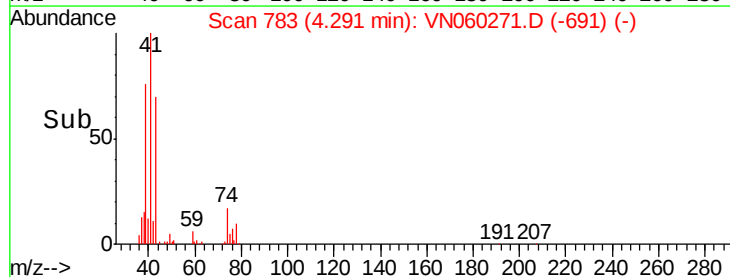
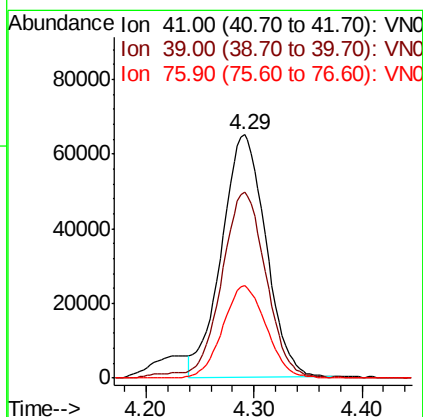
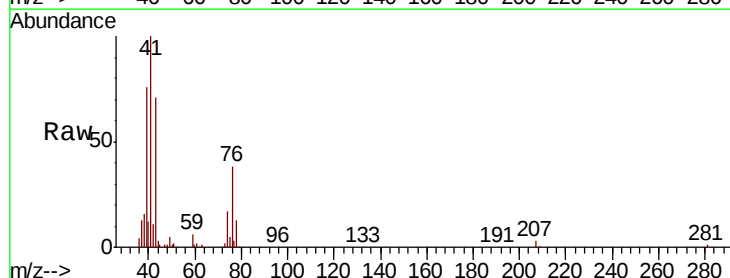
Tgt Ion: 41 Resp: 185925

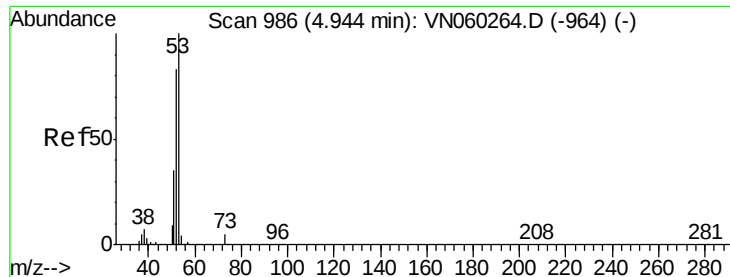
Ion Ratio Lower Upper

41 100

39 77.8 55.4 83.2

76 37.5 27.0 40.6





#15

Acrylonitrile

Concen: 245.712 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

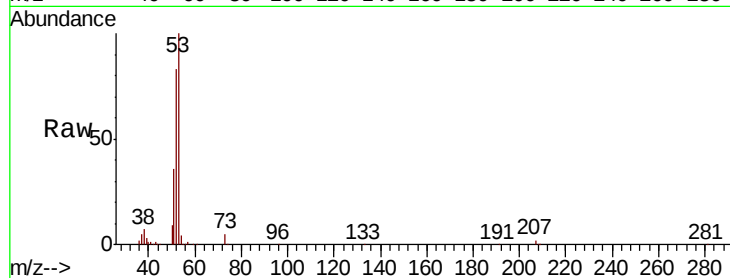
Tot Ion: 53 Resp: 290874

Ion Ratio Lower Upper

53 100

52 82.2 66.8 100.2

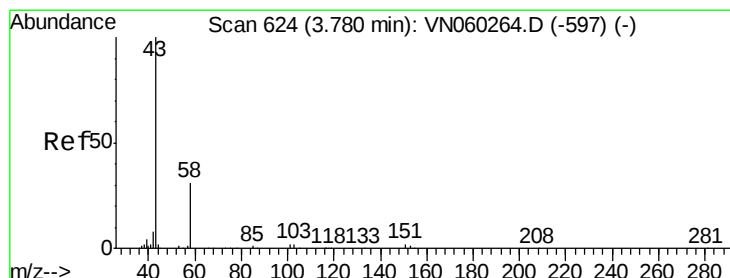
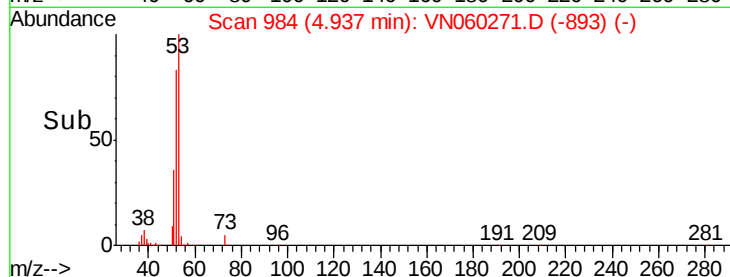
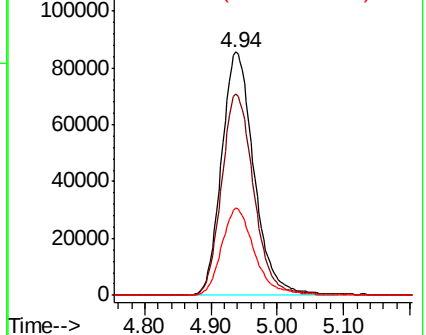
51 36.2 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060264.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060264.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060264.D (-964) (-)



#16

Acetone

Concen: 200.493 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060271.D

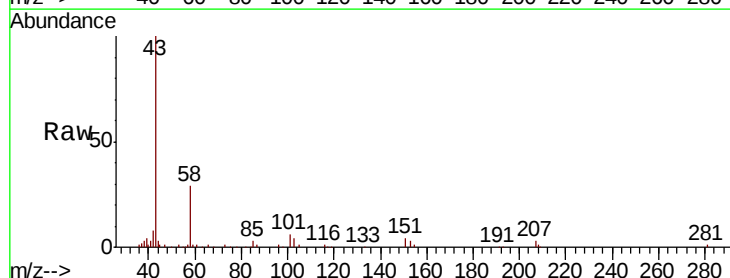
Acq: 28 Feb 2020 9:29

Tgt Ion: 43 Resp: 195832

Ion Ratio Lower Upper

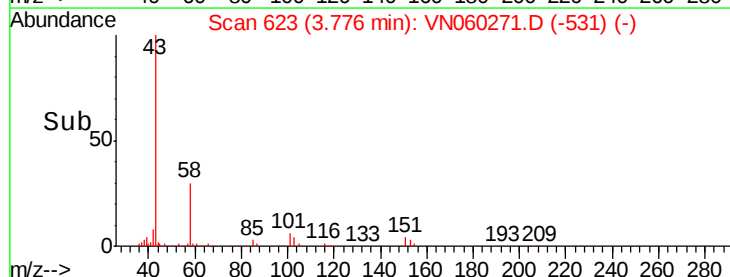
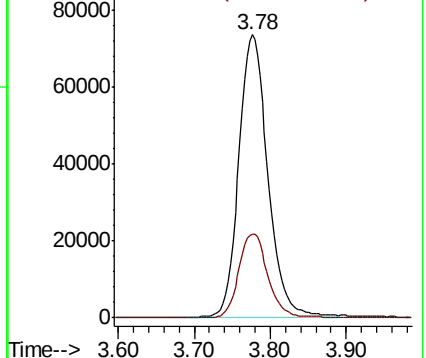
43 100

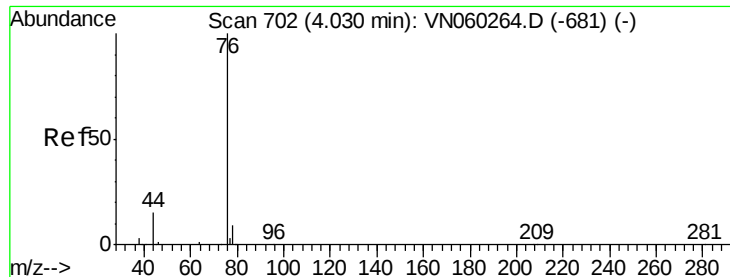
58 29.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-597) (-)

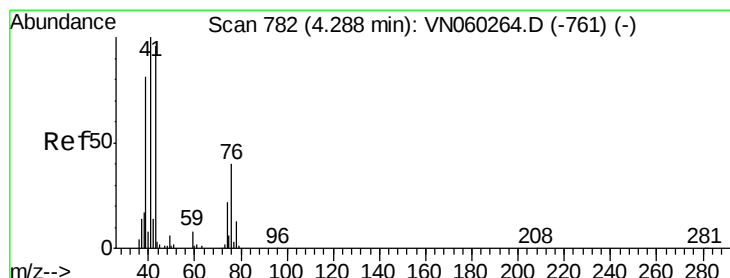
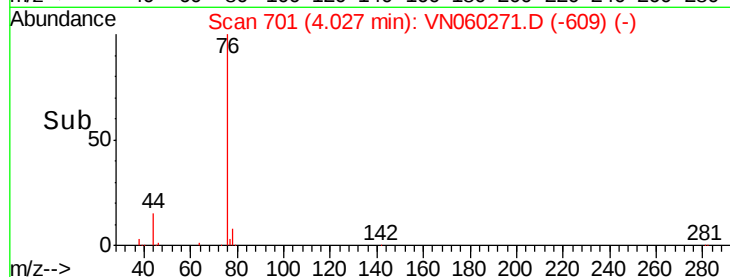
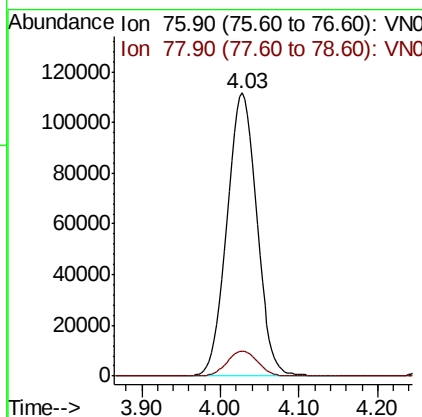
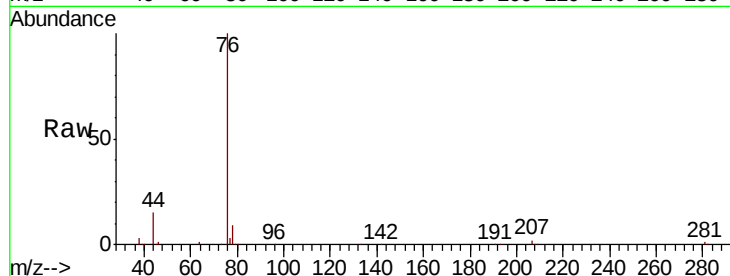




#17
Carbon Disulfide
Concen: 49.020 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

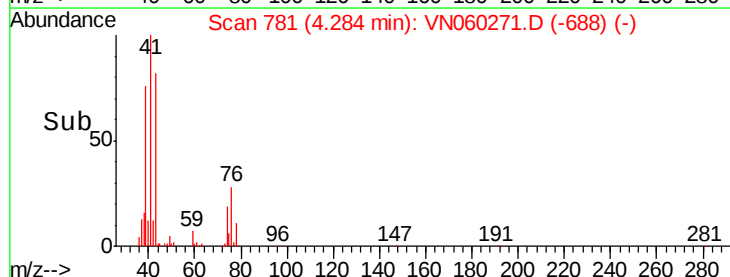
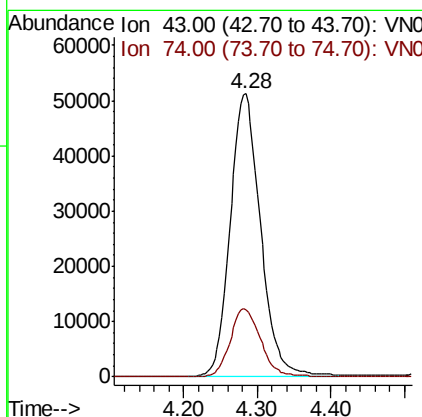
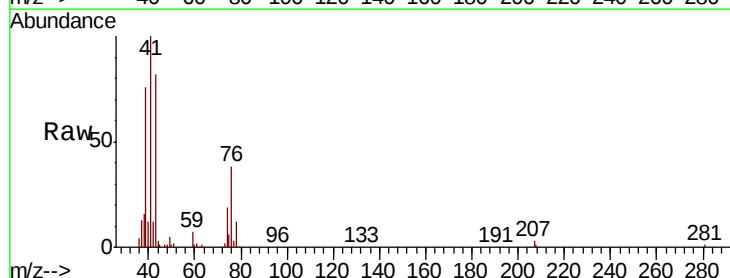
Instrument :
MSVOA_N
ClientSampleId :

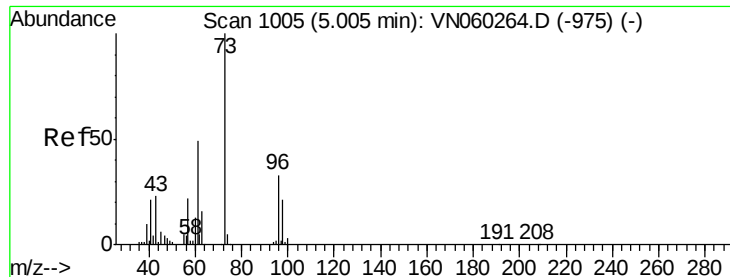
Tot Ion: 76 Resp: 294711
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 45.322 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion: 43 Resp: 147730
Ion Ratio Lower Upper
43 100
74 24.0 18.8 28.2

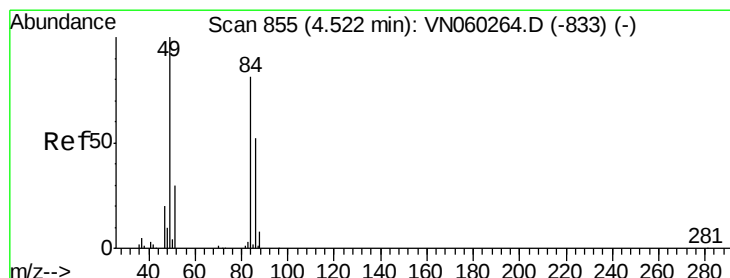
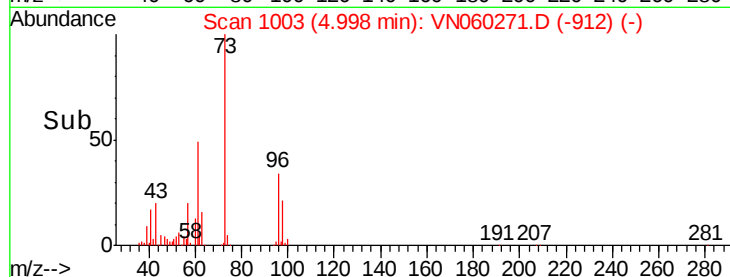
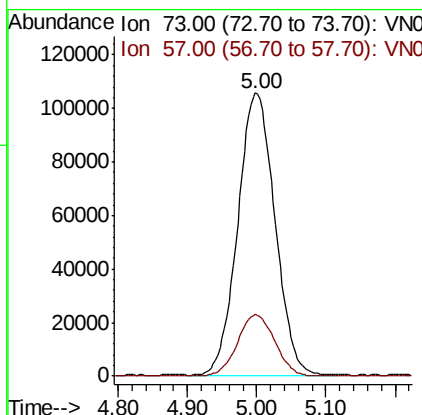
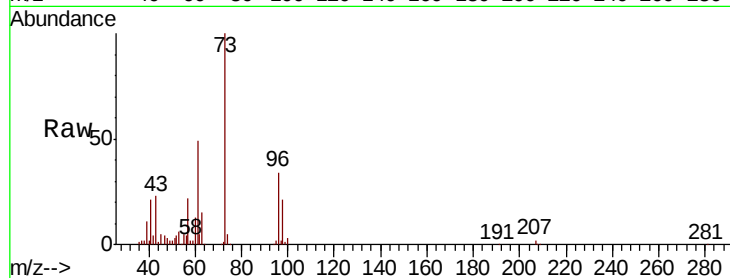




#19
Methvl tert-butvl Ether
Concen: 47.654 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

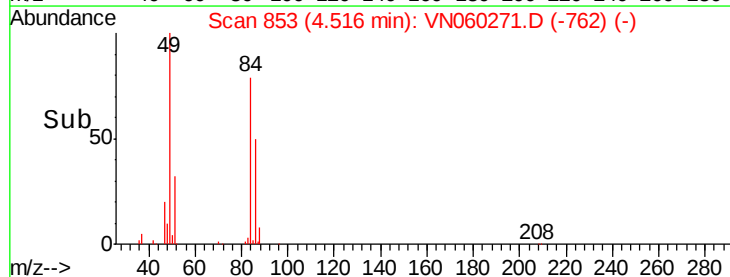
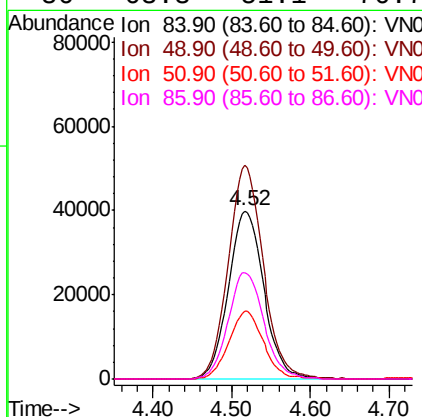
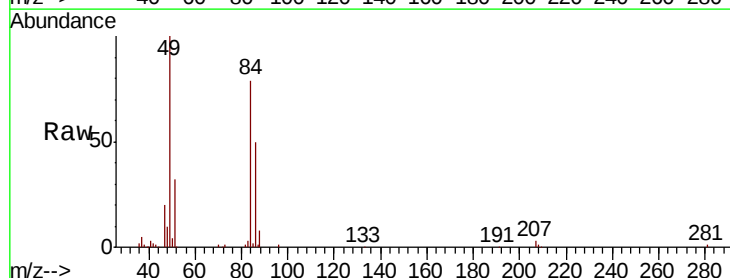
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 391862
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9



#20
Methylene Chloride
Concen: 46.697 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion: 84 Resp: 125263
Ion Ratio Lower Upper
84 100
49 127.4 99.3 148.9
51 40.6 30.1 45.1
86 63.3 51.1 76.7

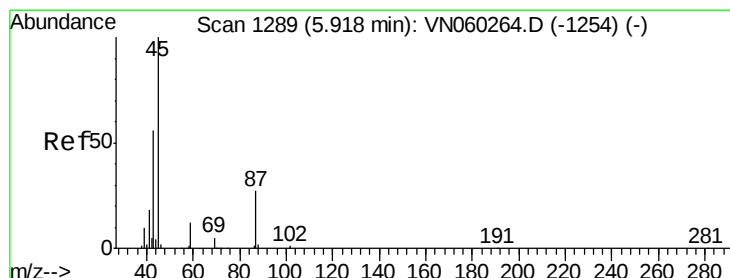
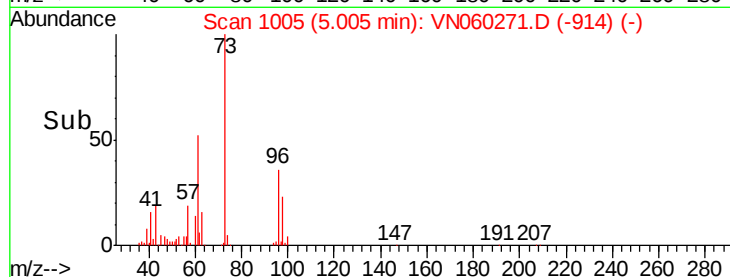
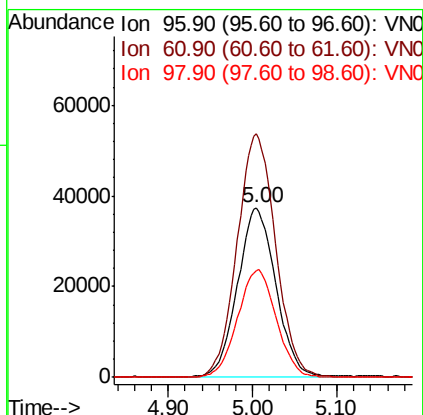
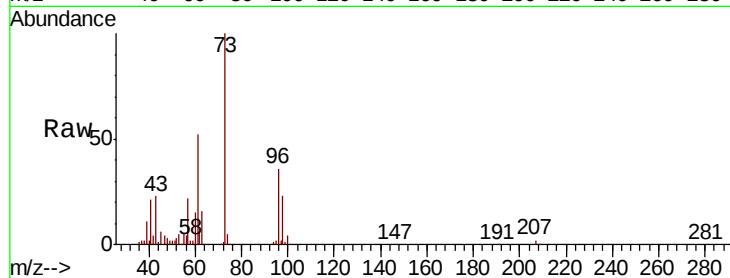




#21
trans-1,2-Dichloroethene
Concen: 47.883 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

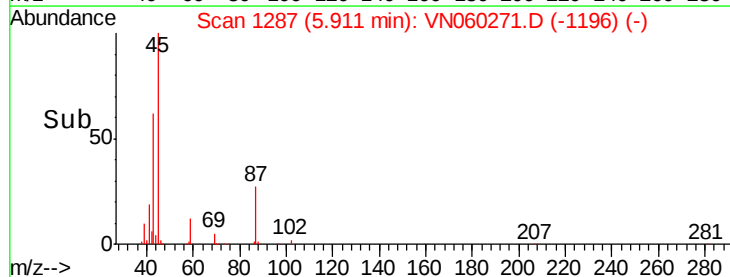
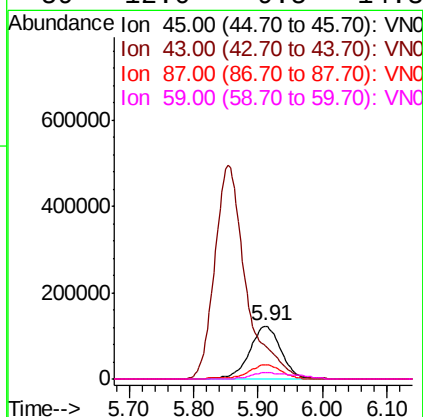
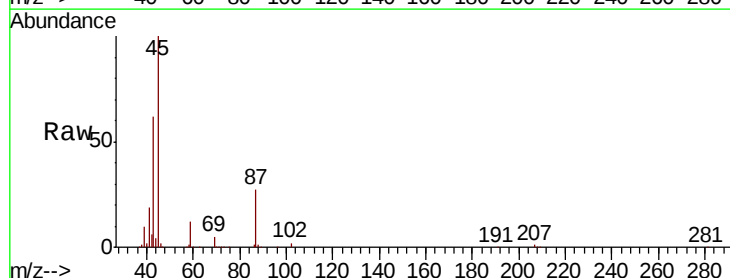
Instrument :
MSVOA_N
ClientSampleId :

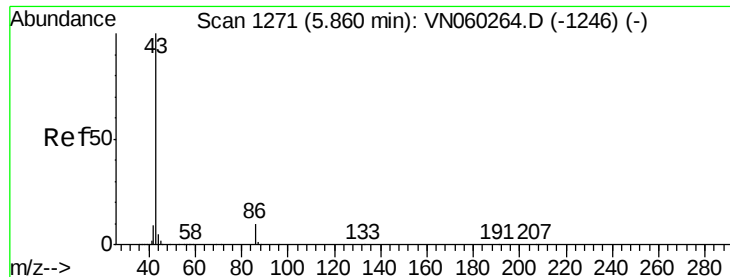
Tot Ion: 96 Resp: 116561
Ion Ratio Lower Upper
96 100
61 144.3 113.8 170.8
98 63.4 48.8 73.2



#22
Diisopropyl ether
Concen: 48.970 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion: 45 Resp: 414222
Ion Ratio Lower Upper
45 100
43 61.3 48.6 72.8
87 27.2 22.2 33.2
59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 249.301 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

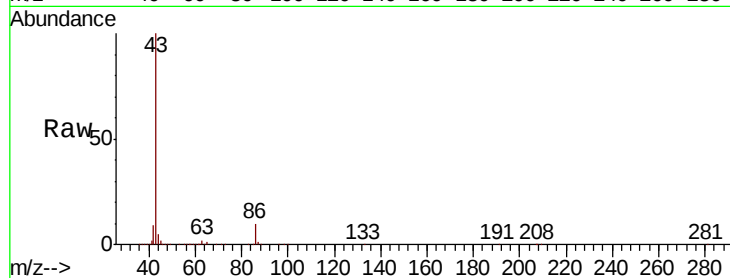
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1675698

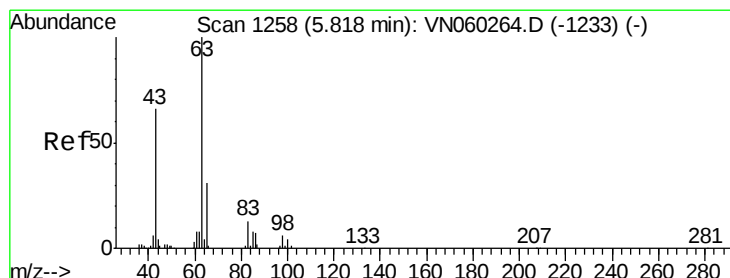
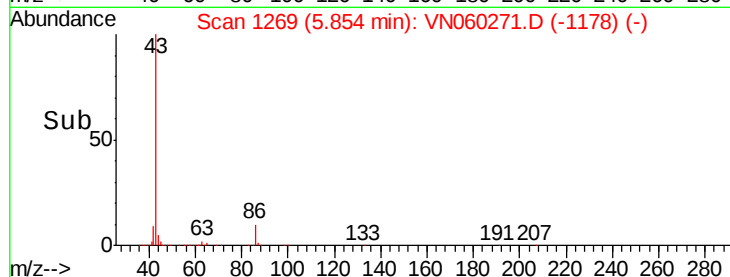
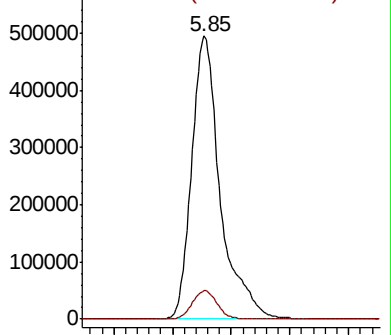
Ion Ratio Lower Upper

43 100

86 10.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060271.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 47.869 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

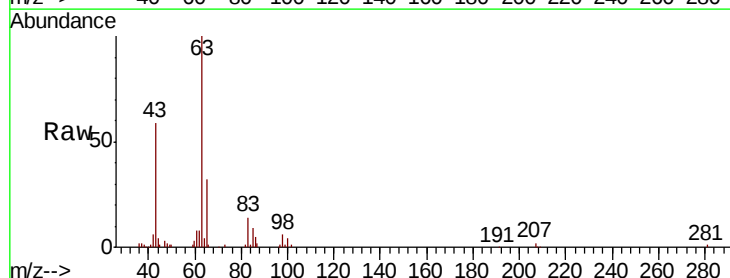
Tgt Ion: 63 Resp: 229205

Ion Ratio Lower Upper

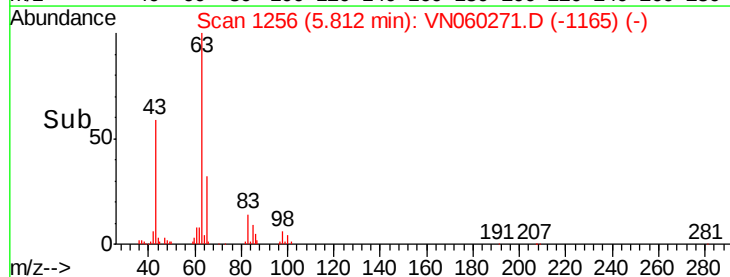
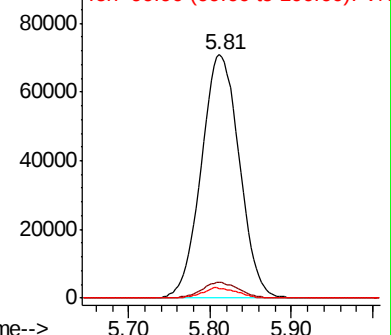
63 100

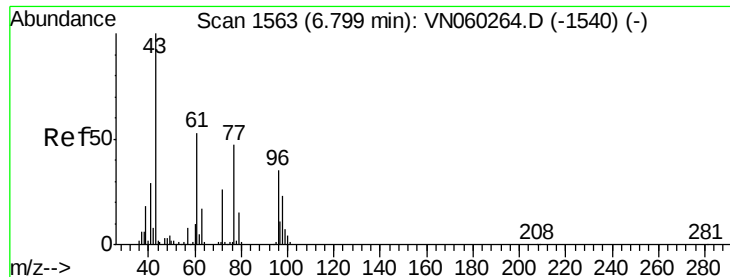
98 6.4 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060271.D (-1165) (-)





#25

2-Butanone

Concen: 230.852 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

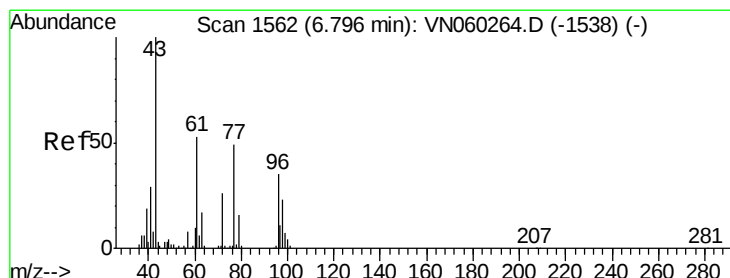
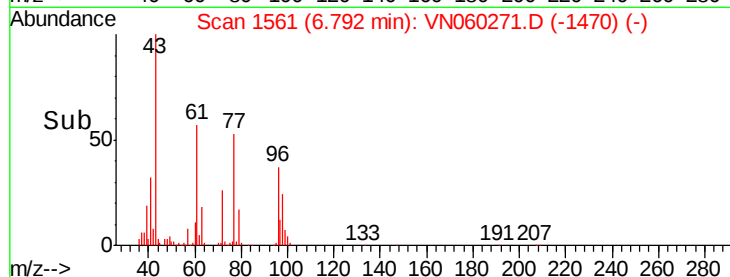
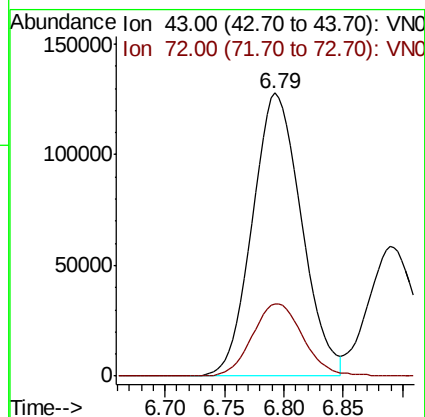
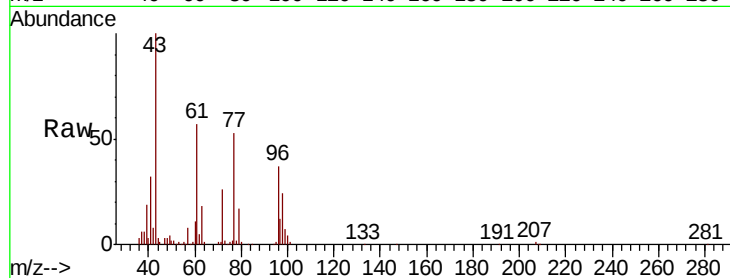
ClientSampled :

Tot Ion: 43 Resp: 364212

Ion Ratio Lower Upper

43 100

72 25.7 20.9 31.3



#26

2,2-Dichloropropane

Concen: 48.944 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060271.D

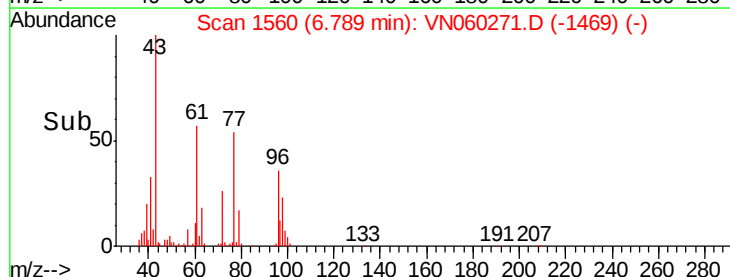
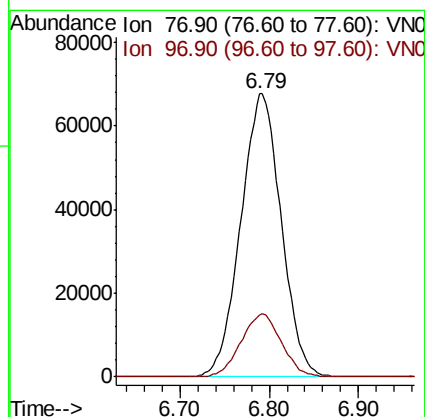
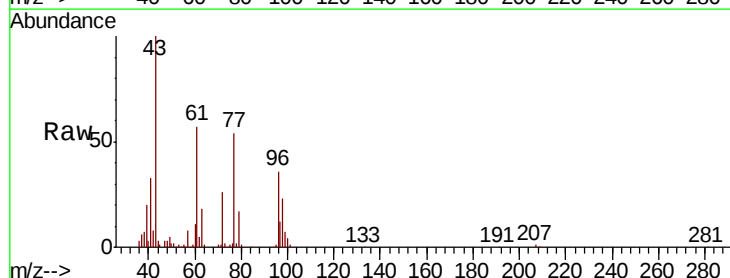
Acq: 28 Feb 2020 9:29

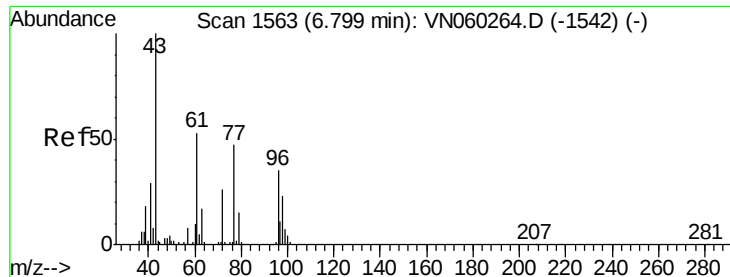
Tgt Ion: 77 Resp: 213349

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 44.202 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

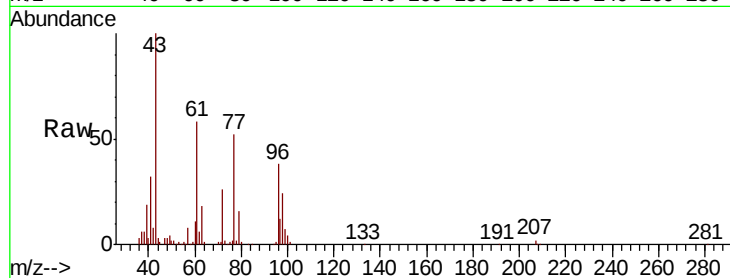
Tot Ion: 96 Resp: 137490

Ion Ratio Lower Upper

96 100

61 154.2 0.0 300.8

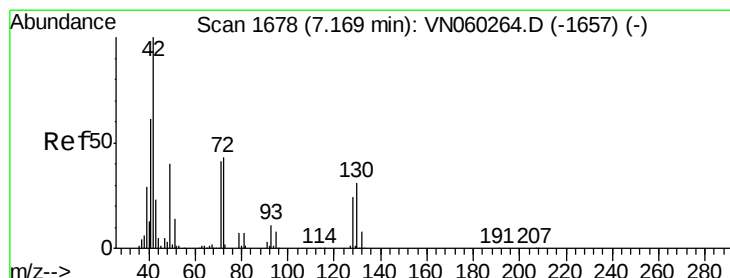
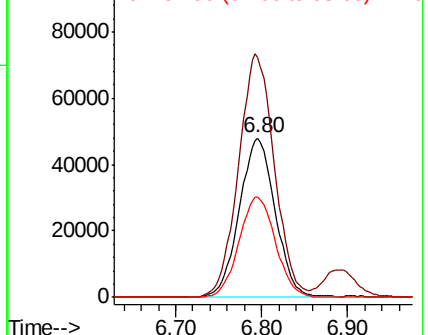
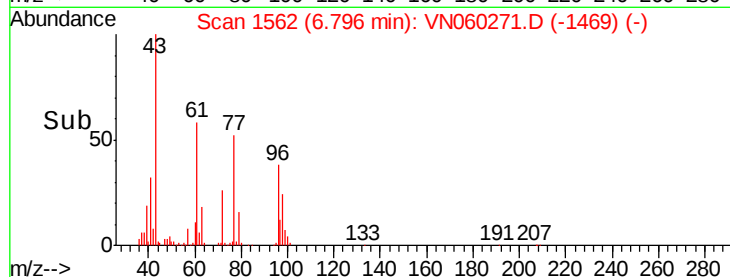
98 64.8 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060271.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060271.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060271.D (-1469) (-)



#28

Bromochloromethane

Concen: 46.076 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

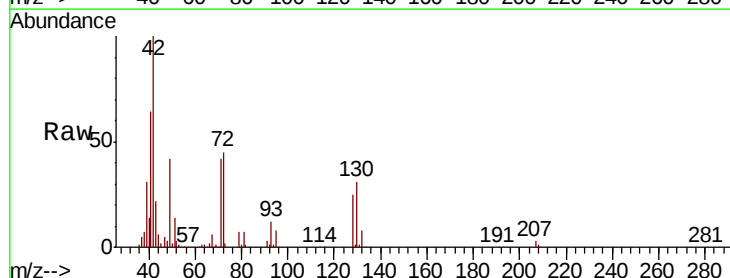
Tgt Ion: 49 Resp: 90583

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

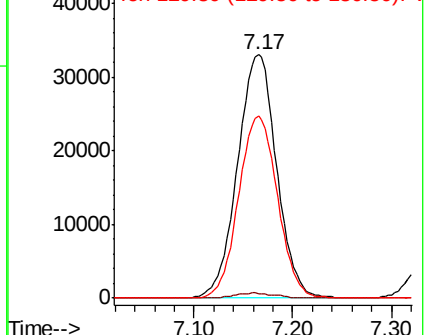
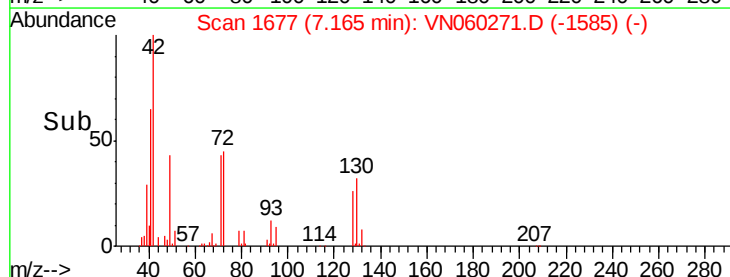
130 74.4 59.8 89.8

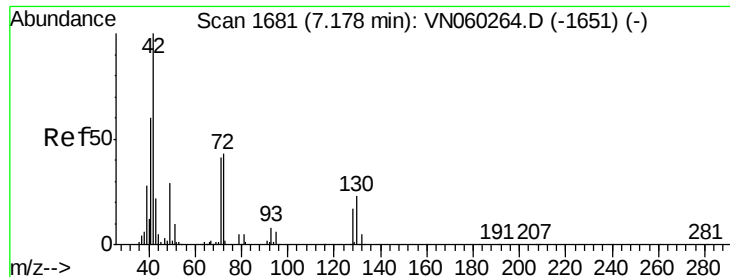


Abundance Ion 48.90 (48.60 to 49.60): VN060271.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060271.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060271.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 233.376 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

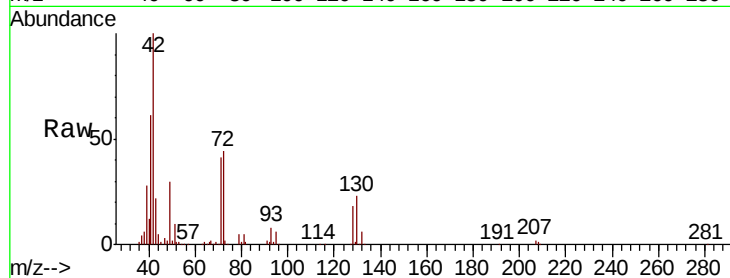
Tot Ion: 42 Resp: 256034

Ion Ratio Lower Upper

42 100

72 43.9 34.6 52.0

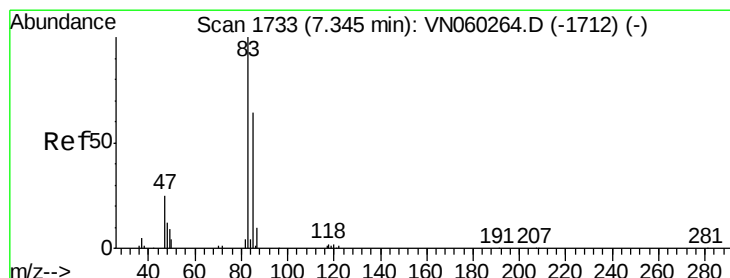
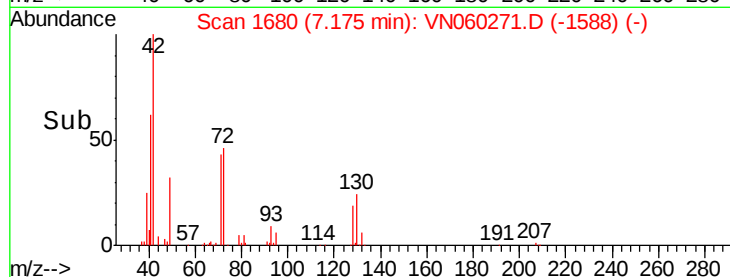
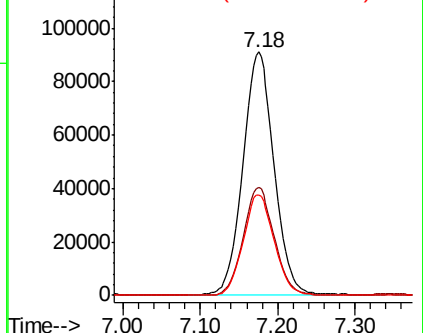
71 41.1 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060271.D (-1680) (-)

Ion 72.00 (71.70 to 72.70): VN060271.D (-1680) (-)

Ion 71.00 (70.70 to 71.70): VN060271.D (-1680) (-)



#30

Chloroform

Concen: 48.094 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060271.D

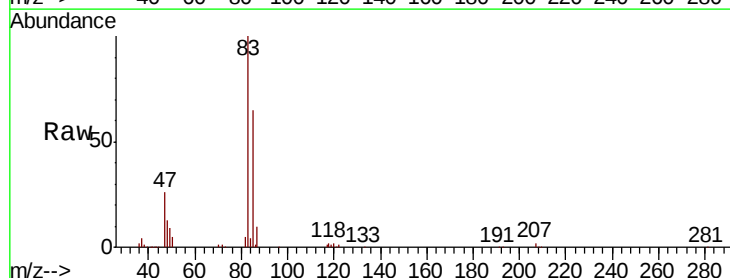
Acq: 28 Feb 2020 9:29

Tgt Ion: 83 Resp: 229242

Ion Ratio Lower Upper

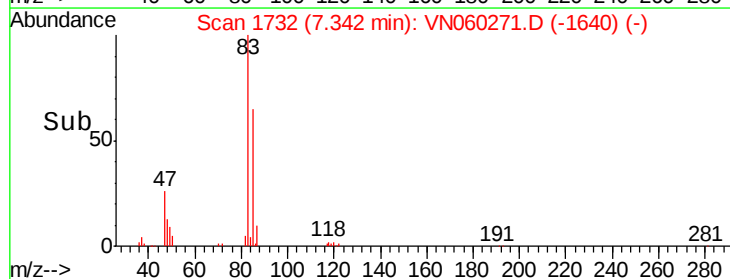
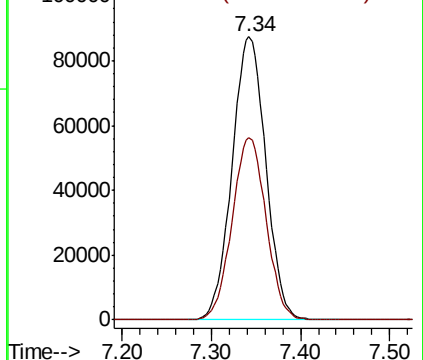
83 100

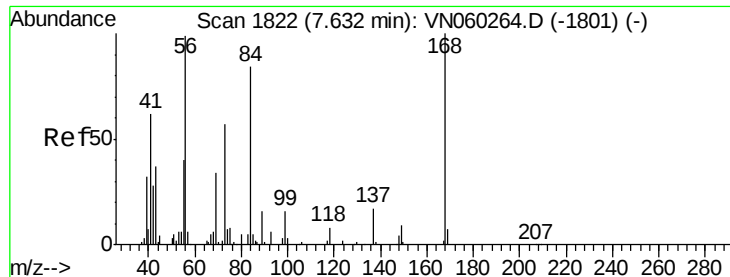
85 64.5 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060271.D (-1732) (-)

Ion 84.90 (84.60 to 85.60): VN060271.D (-1732) (-)





#31

Cyclohexane

Concen: 49.411 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

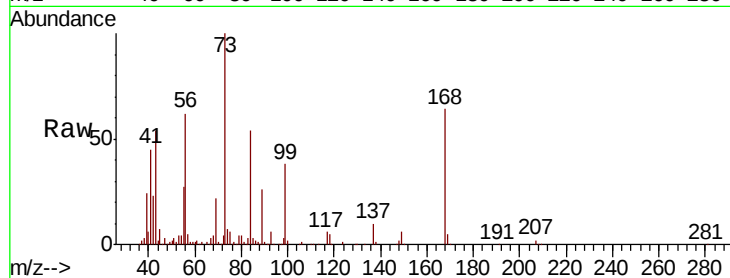
Tot Ion: 56 Resp: 201961

Ion Ratio Lower Upper

56 100

69 34.6 27.2 40.8

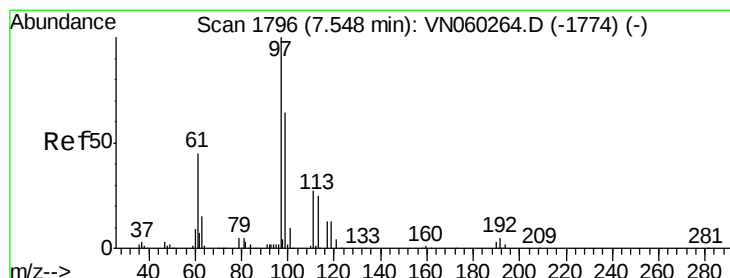
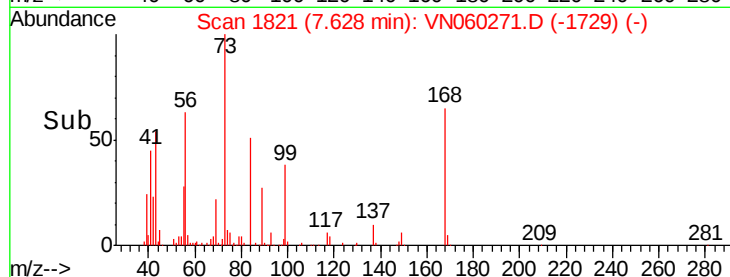
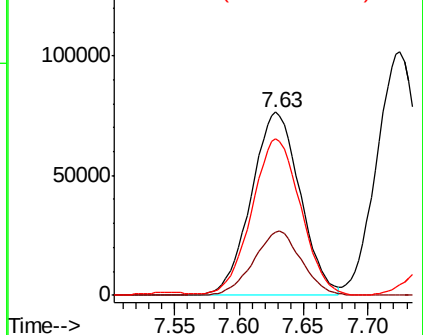
84 84.8 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060271.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060271.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060271.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 48.359 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

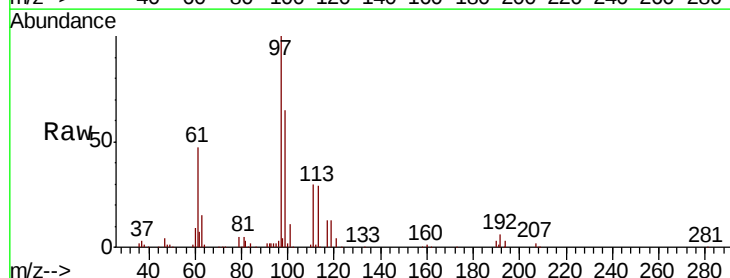
Tgt Ion: 97 Resp: 204232

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

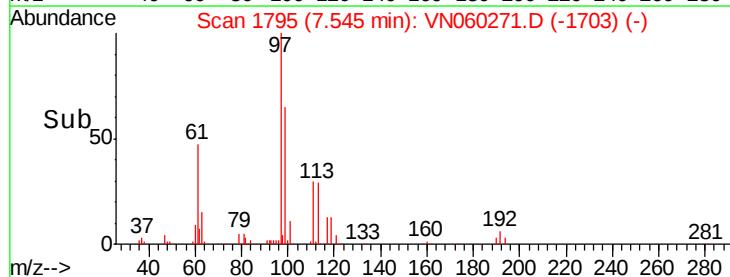
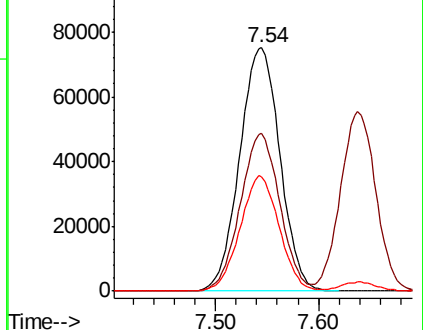
61 46.1 36.6 55.0

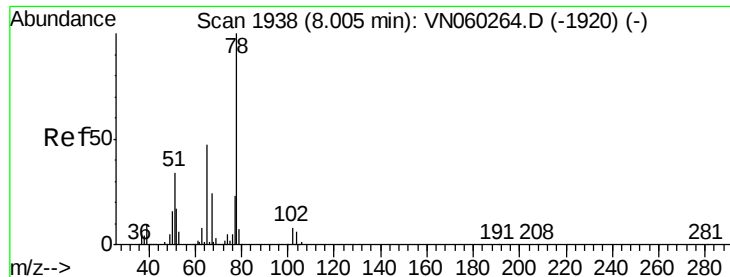


Abundance Ion 96.90 (96.60 to 97.60): VN060271.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060271.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060271.D (-1703) (-)

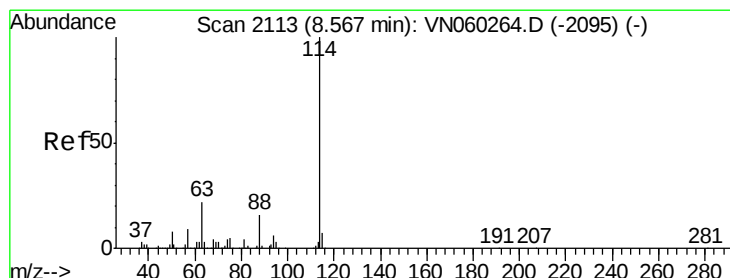
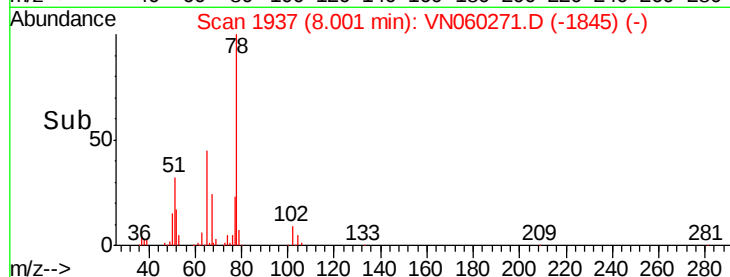
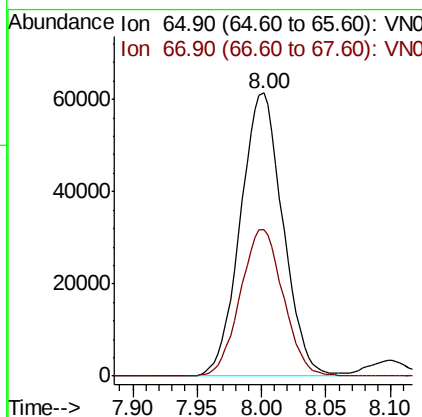
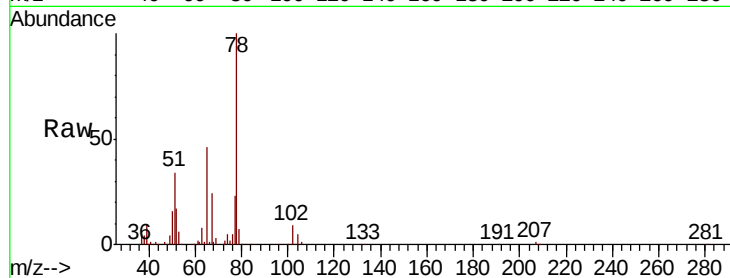




#33
 1,2-Dichloroethane-d4
 Concen: 46.609 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

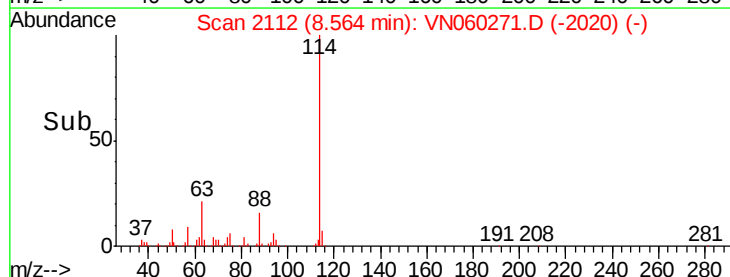
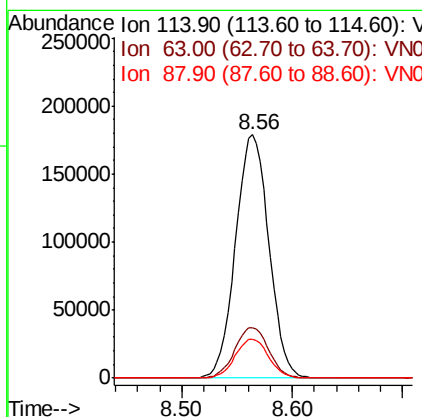
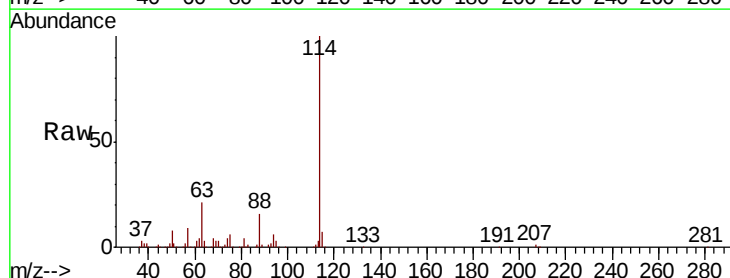
Instrument :
 MSVOA_N
 ClientSampleId :

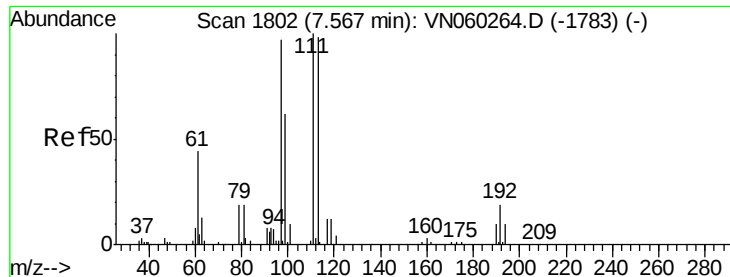
Tot Ion: 65 Resp: 140975
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion: 114 Resp: 374857
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 16.1 0.0 31.6

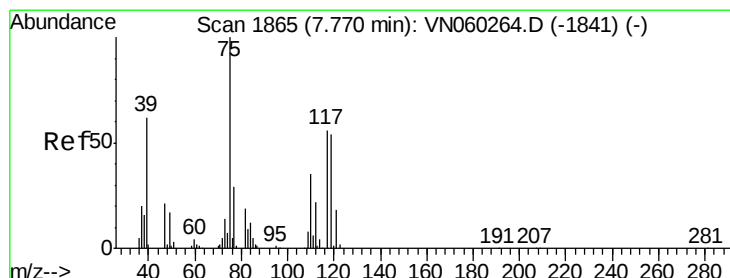
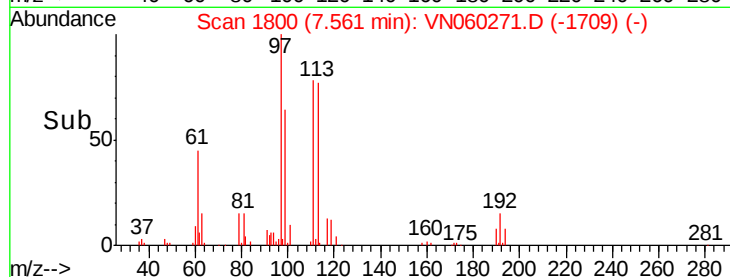
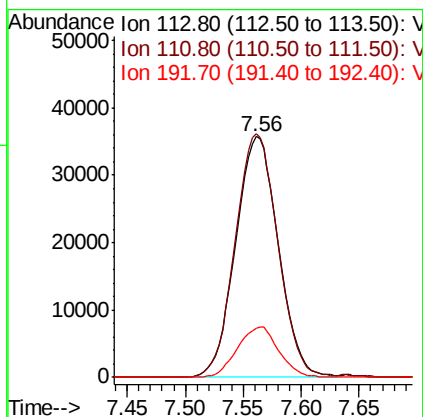
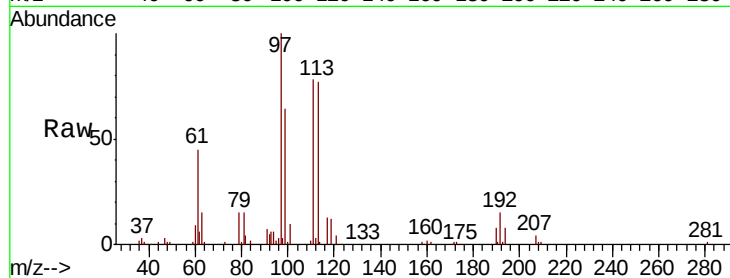




#35
 Dibromofluoromethane
 Concen: 52.682 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

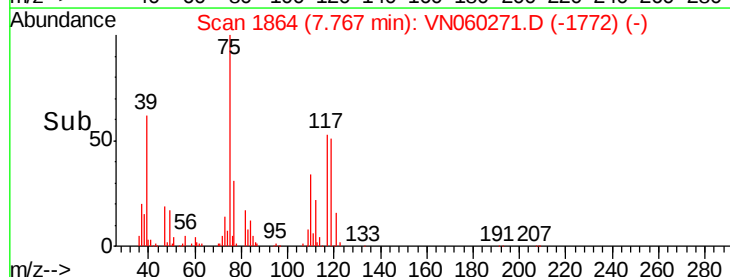
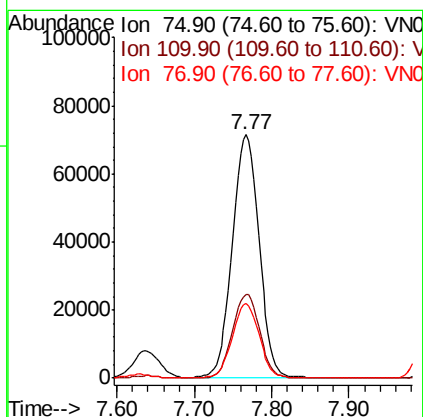
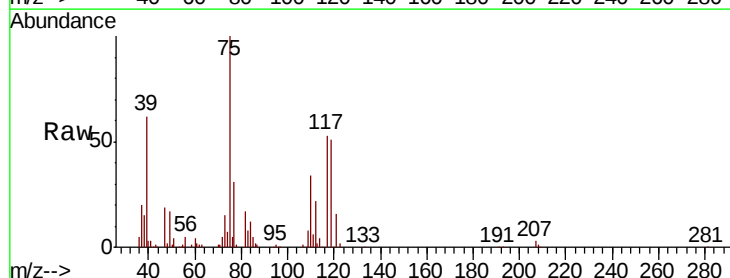
Instrument :
 MSVOA_N
 ClientSampled :

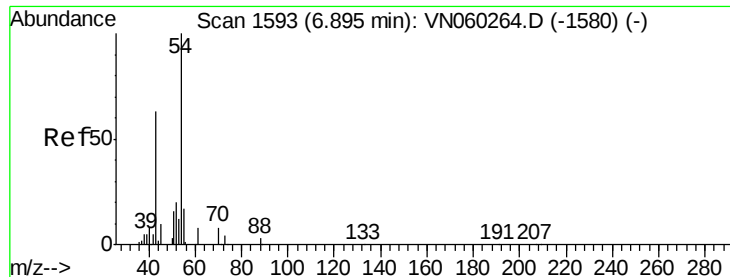
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.4	123.6
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 48.130 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.3	52.0
77	30.9	24.2	36.2

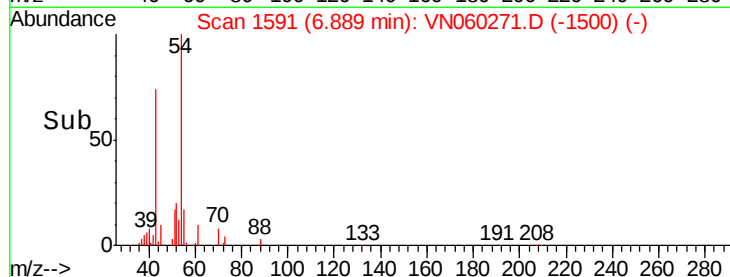
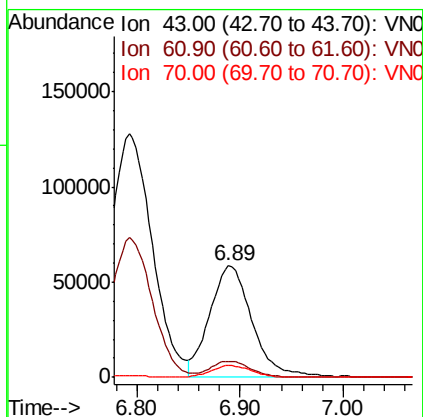
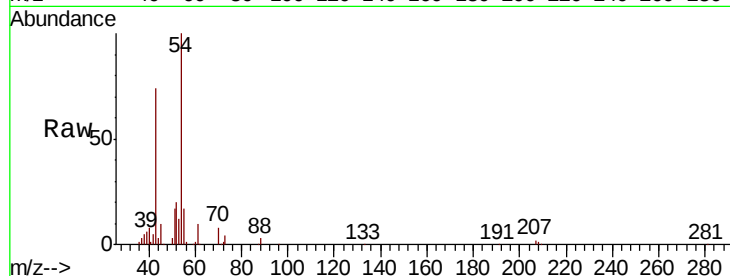




#37
Ethyl Acetate
Concen: 48.712 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

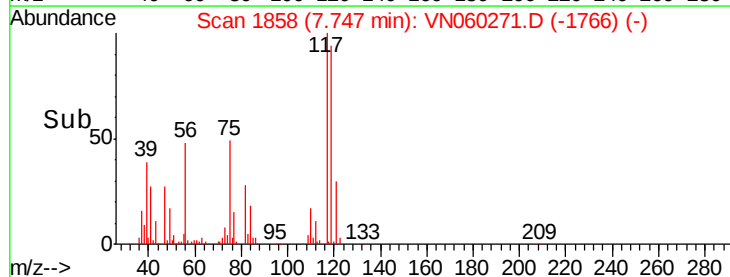
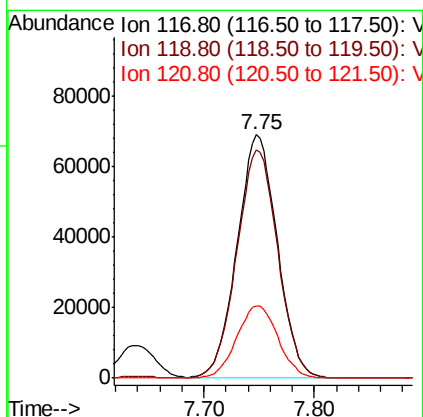
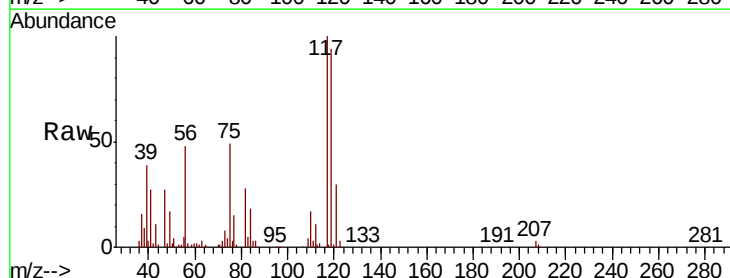
Instrument :
MSVOA_N
ClientSampled :

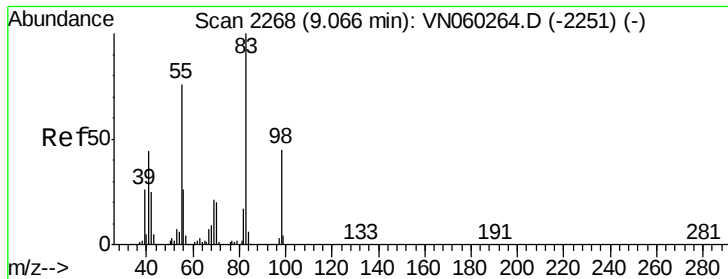
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	10.2	8.4	12.6



#38
Carbon Tetrachloride
Concen: 50.063 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	29.6	24.5	36.7

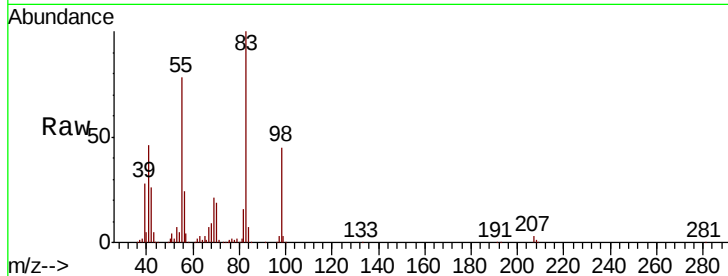




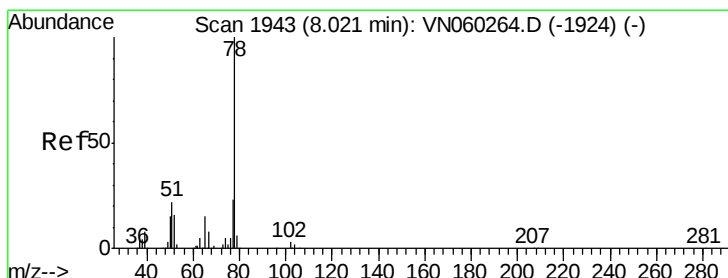
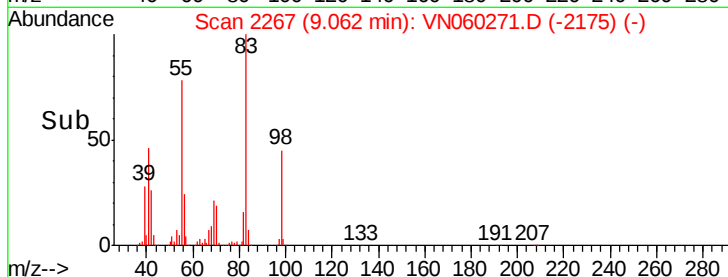
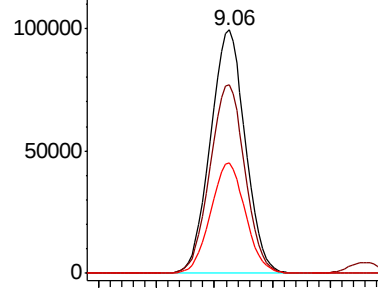
#39
Methvlcvclohexane
Concen: 49.210 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 207286
Ion Ratio Lower Upper
83 100
55 77.7 61.0 91.4
98 45.4 36.1 54.1

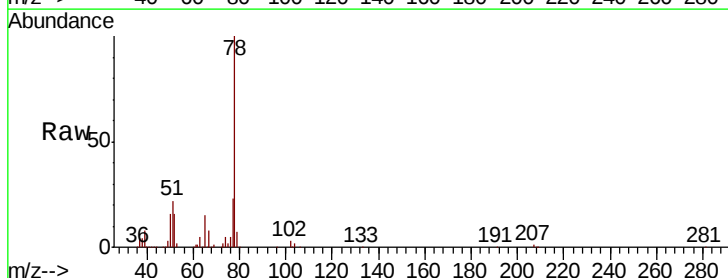


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

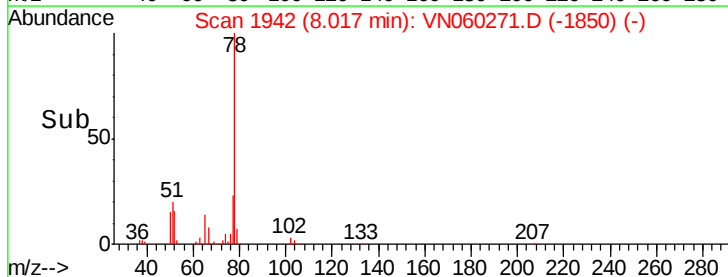
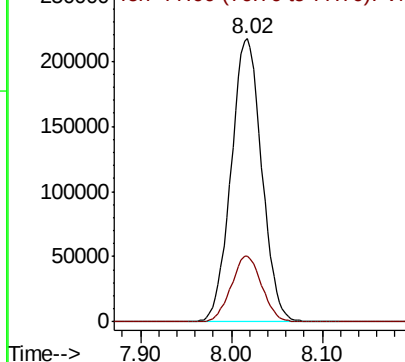


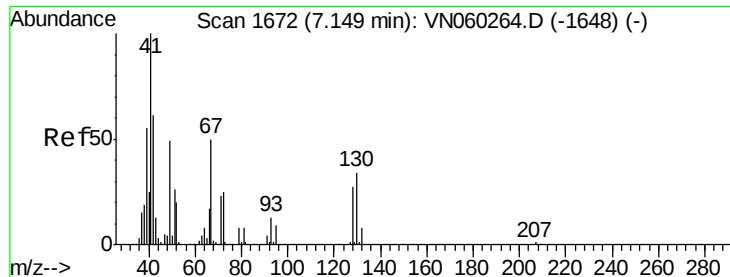
#40
Benzene
Concen: 48.878 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion: 78 Resp: 508247
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

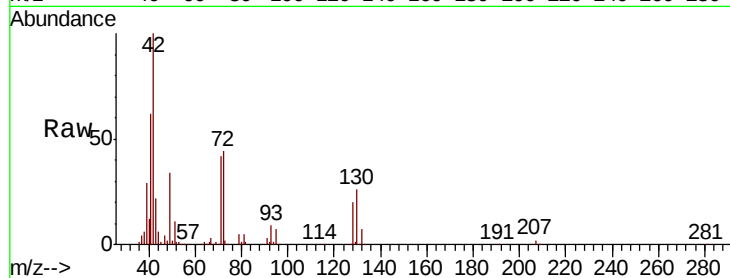




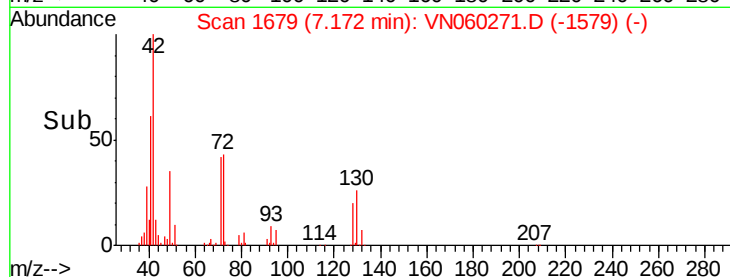
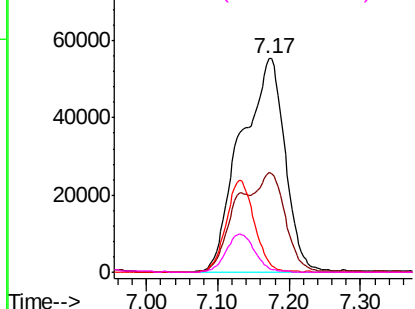
#41
Methacrylonitrile
Concen: 152.598 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	238351
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

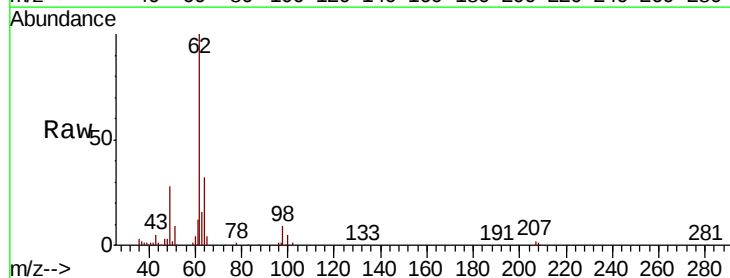


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

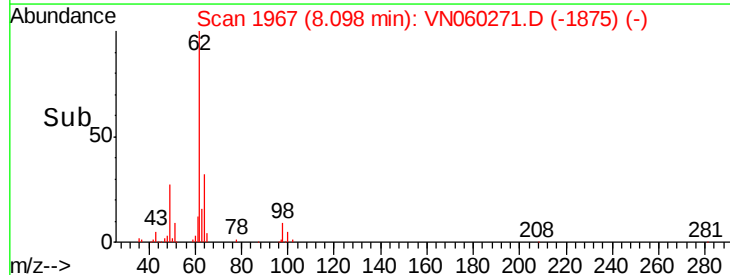
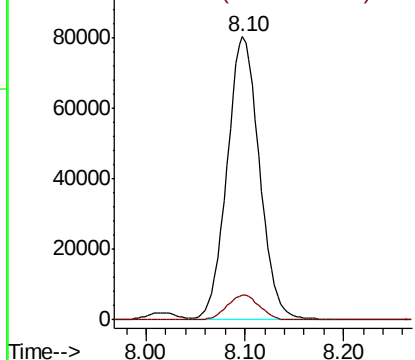


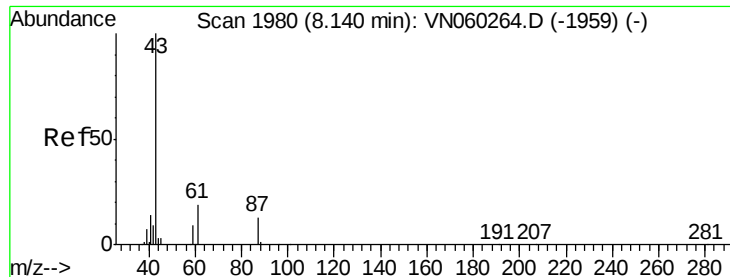
#42
1,2-Dichloroethane
Concen: 49.127 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion:	62	Resp:	184339
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.144 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

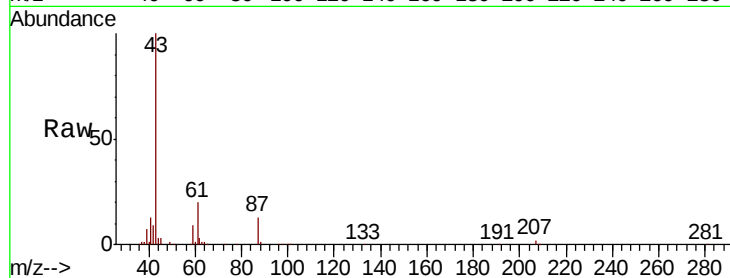
Tot Ion: 43 Resp: 291037

Ion Ratio Lower Upper

43 100

61 26.4 20.9 31.3

87 12.8 10.6 16.0

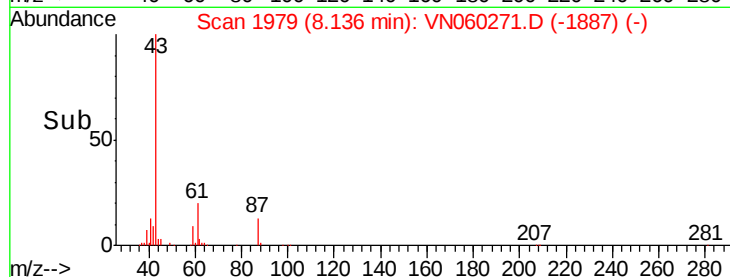


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

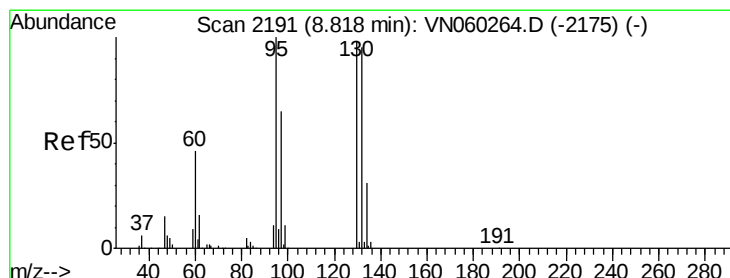
Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)

8.14



Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 48.184 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060271.D

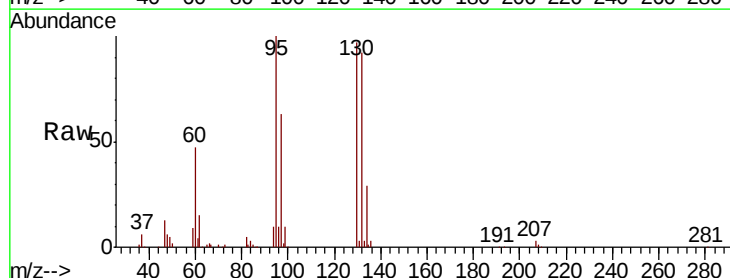
Acq: 28 Feb 2020 9:29

Tgt Ion: 130 Resp: 139540

Ion Ratio Lower Upper

130 100

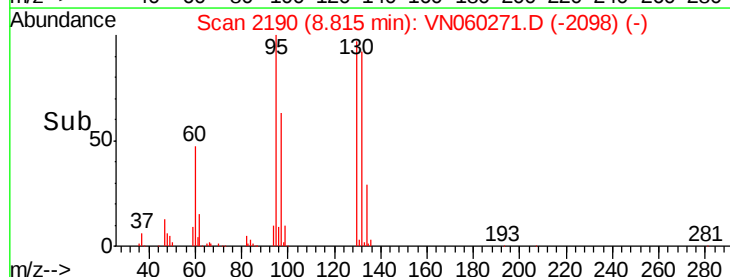
95 102.7 0.0 203.4



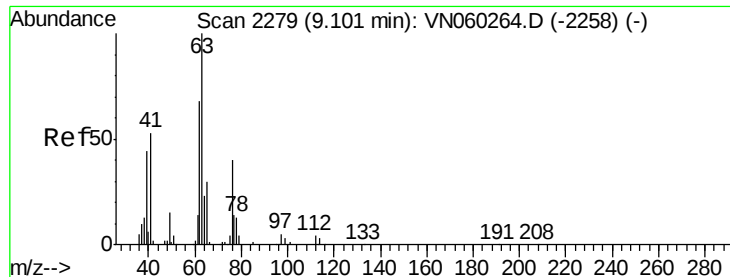
Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

8.81



Time--> 8.70 8.80 8.90



#45

1,2-Dichloropropane

Concen: 49.998 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

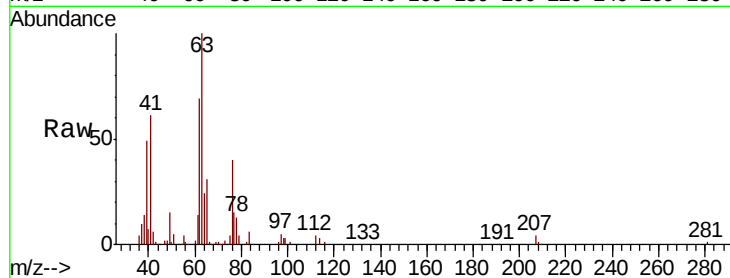
ClientSampleId :

Tot Ion: 63 Resp: 135927

Ion Ratio Lower Upper

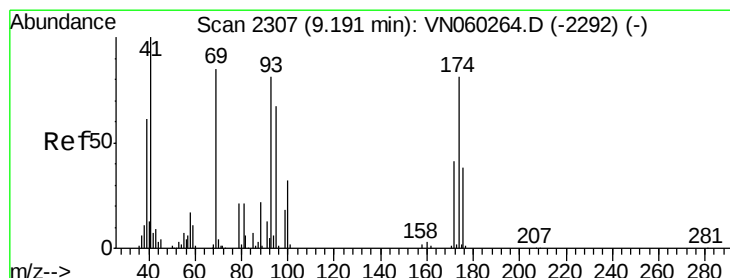
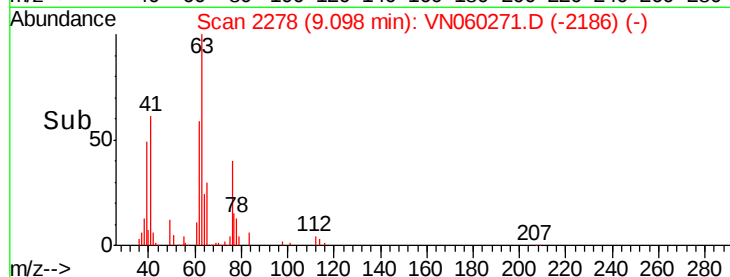
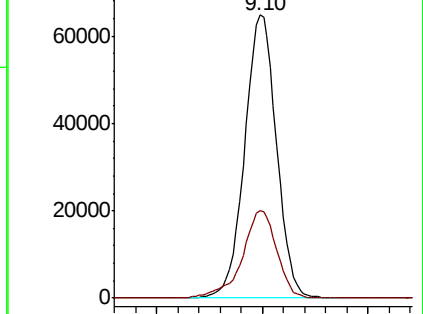
63 100

65 31.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)



#46

Dibromomethane

Concen: 48.396 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

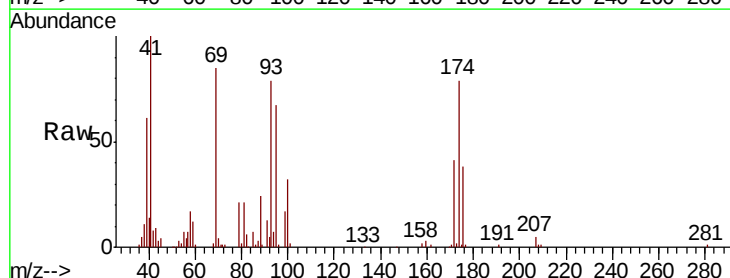
Tgt Ion: 93 Resp: 85373

Ion Ratio Lower Upper

93 100

95 84.1 65.9 98.9

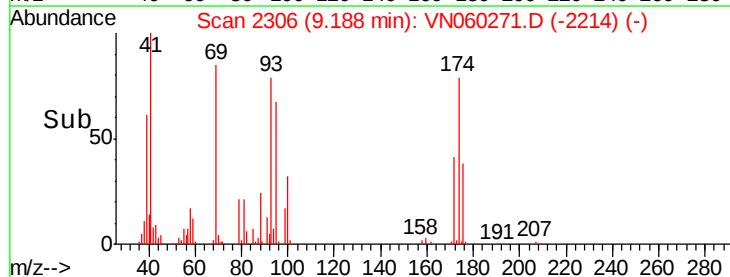
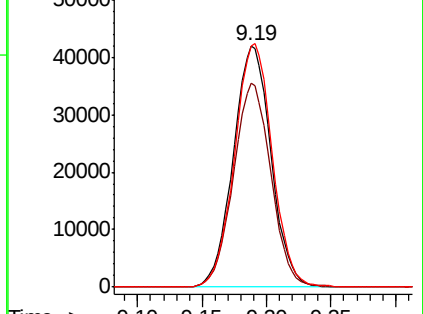
174 100.8 79.6 119.4

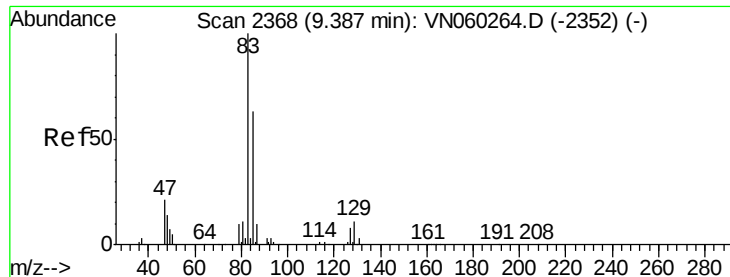


Abundance Ion 92.80 (92.50 to 93.50): VN060264.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN060264.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN060264.D (-2292) (-)





#47

Bromodichloromethane

Concen: 50.739 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

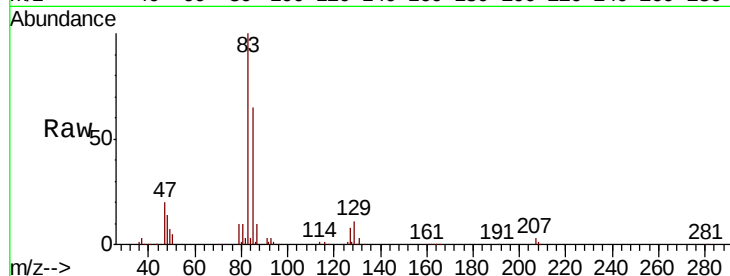
Tot Ion: 83 Resp: 182038

Ion Ratio Lower Upper

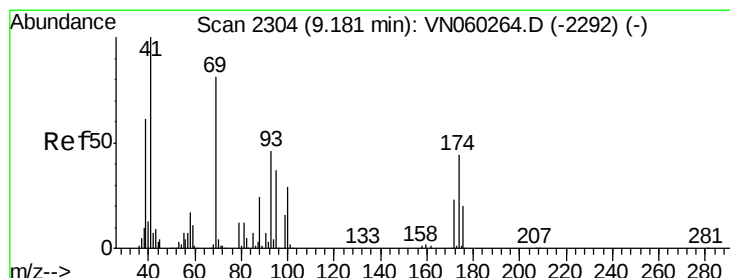
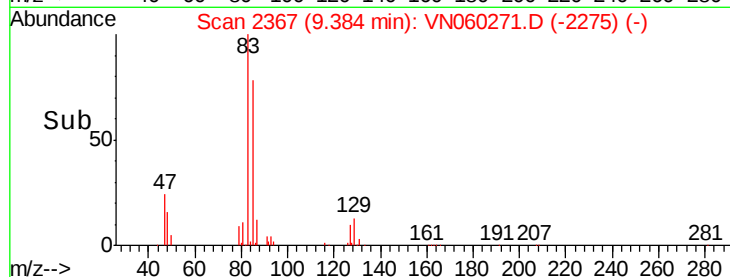
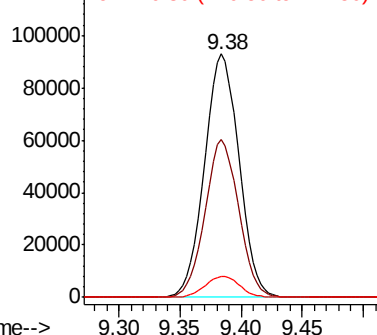
83 100

85 64.7 50.7 76.1

127 8.4 6.8 10.2



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



#48

Methyl methacrylate

Concen: 48.169 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

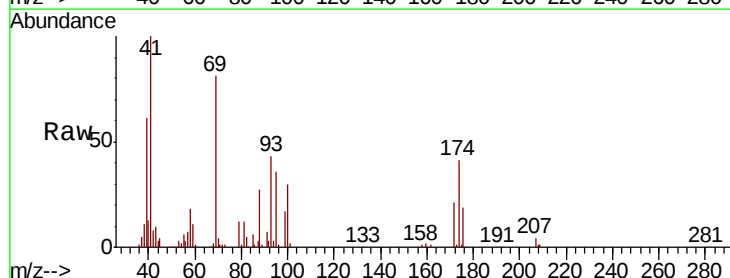
Tgt Ion: 41 Resp: 130084

Ion Ratio Lower Upper

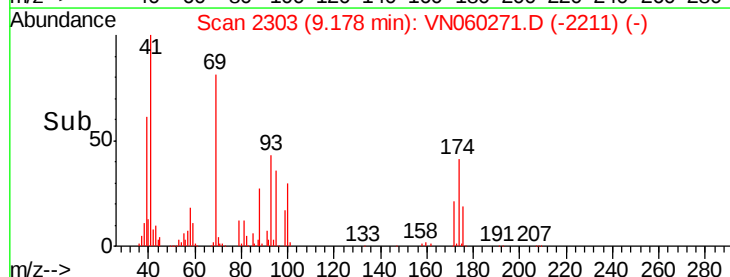
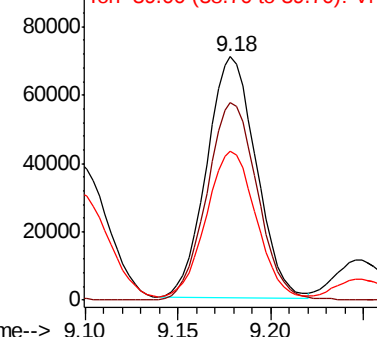
41 100

69 84.1 66.7 100.1

39 63.3 50.1 75.1



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

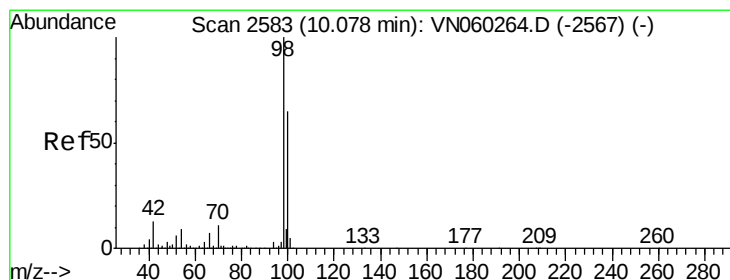
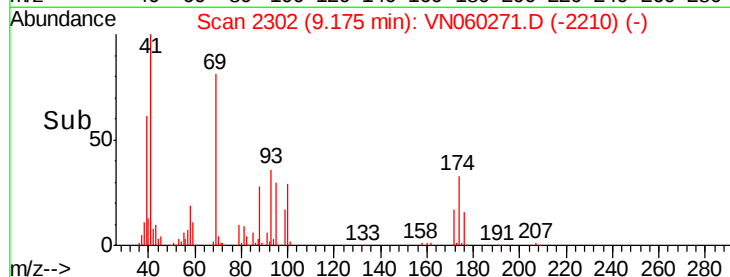
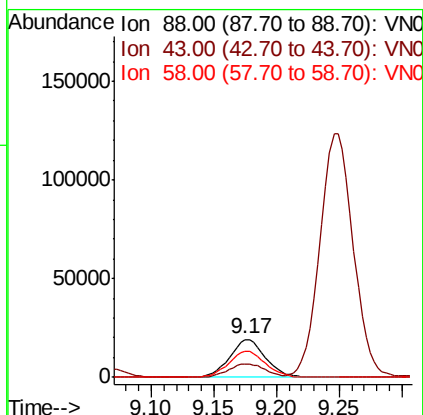
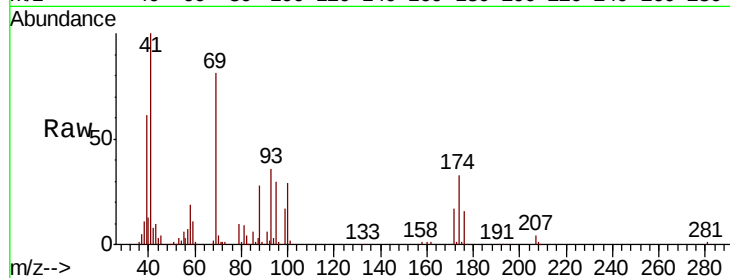




#49
 1,4-Dioxane
 Concen: 1001.861 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

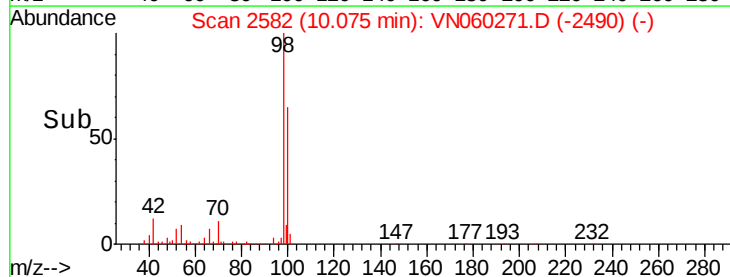
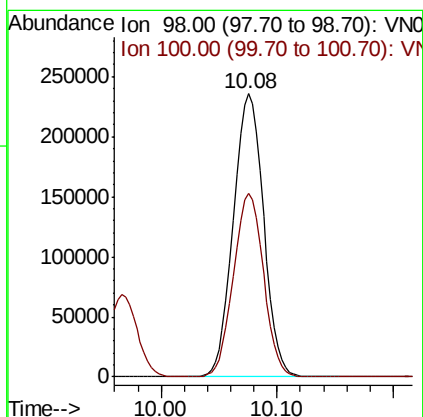
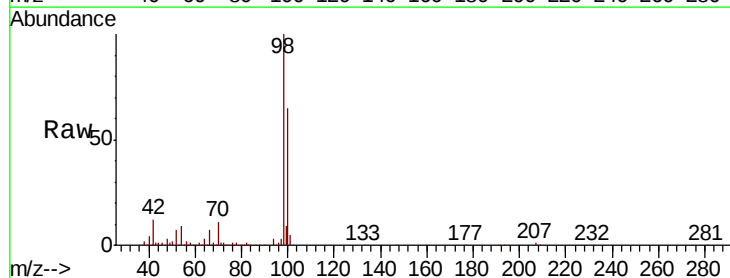
Instrument :
 MSVOA_N
 ClientSampleId :

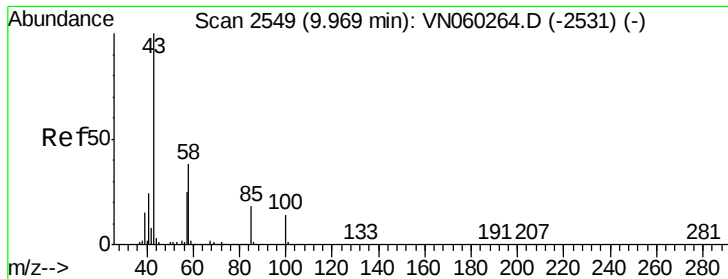
Tot Ion: 88 Resp: 38048
 Ion Ratio Lower Upper
 88 100
 43 37.2 30.4 45.6
 58 70.3 57.0 85.6



#50
 Toluene-d8
 Concen: 48.254 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion: 98 Resp: 424934
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 247.858 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

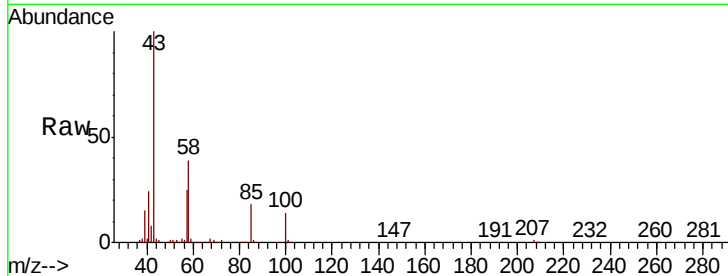
ClientSampleId :

Tot Ion: 43 Resp: 832242

Ion Ratio Lower Upper

43 100

58 38.7 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

500000

400000

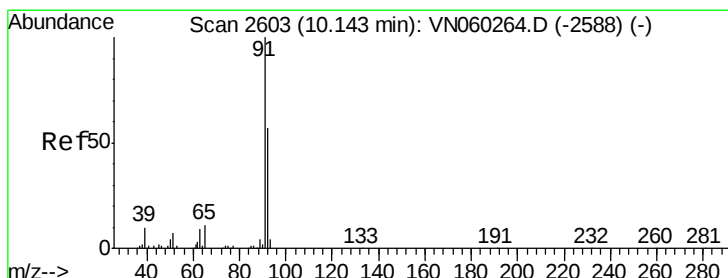
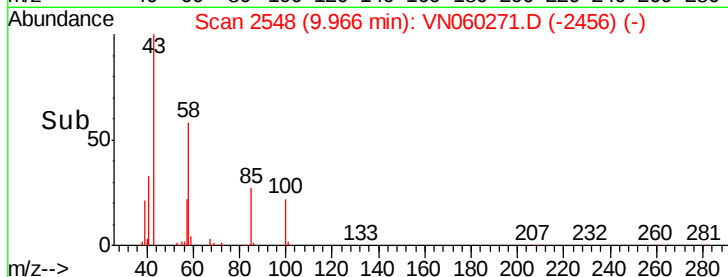
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.148 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060271.D

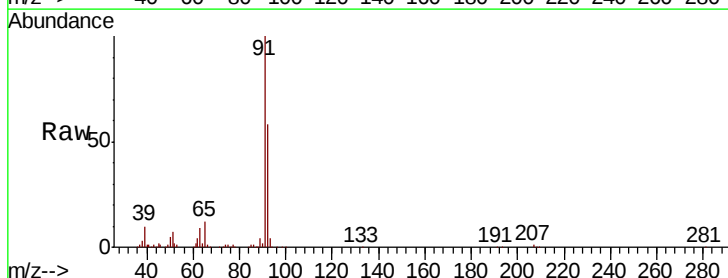
Acq: 28 Feb 2020 9:29

Tgt Ion: 92 Resp: 321025

Ion Ratio Lower Upper

92 100

91 172.9 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

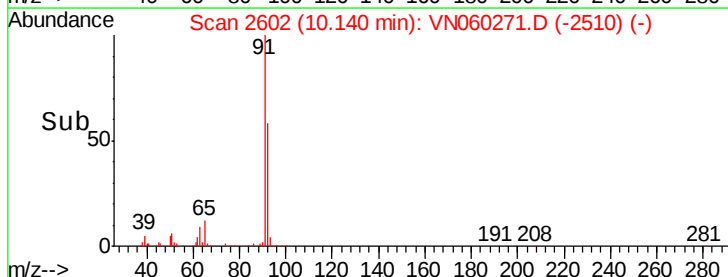
300000

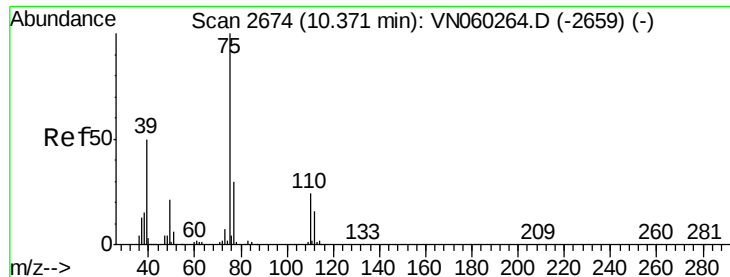
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.666 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

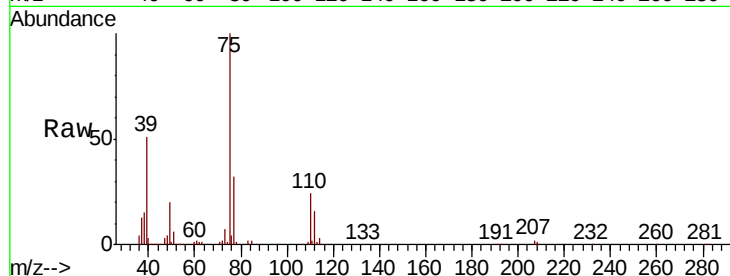
ClientSampled :

Tot Ion: 75 Resp: 213945

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

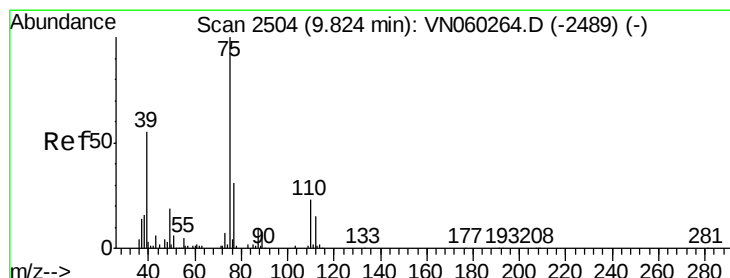
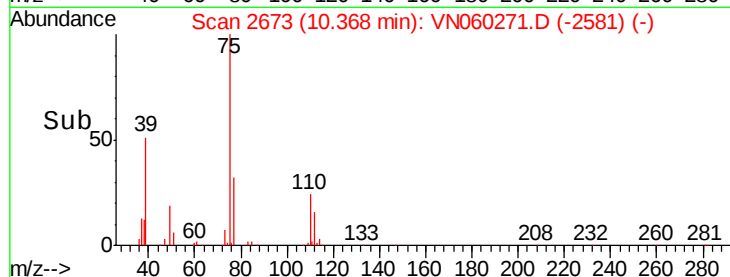
10.37

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.660 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

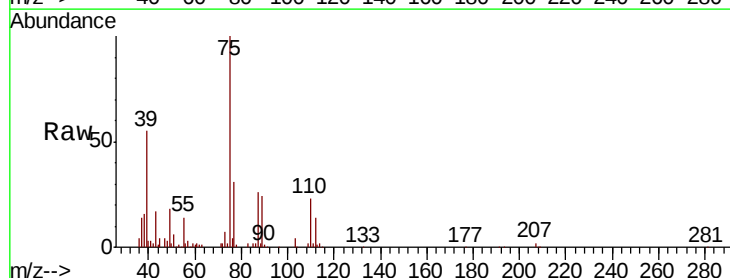
Tgt Ion: 75 Resp: 226219

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 55.1 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

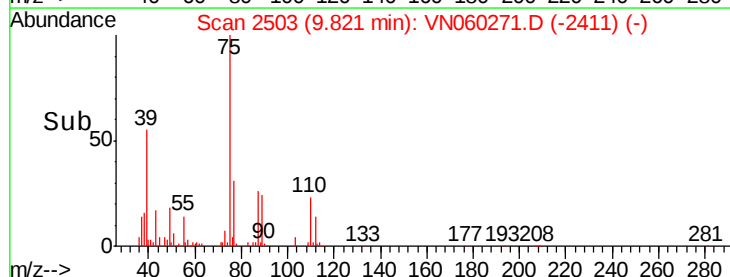
150000

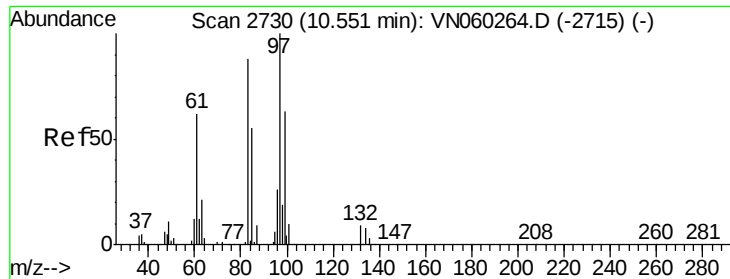
100000

50000

0

Time-->

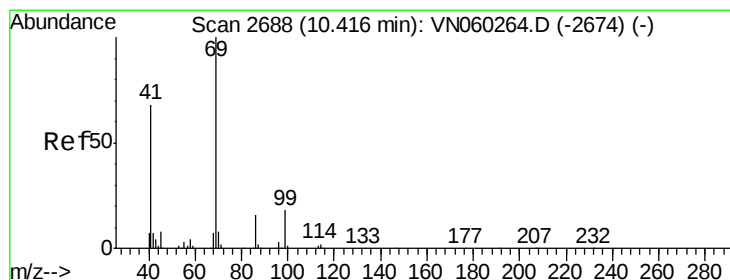
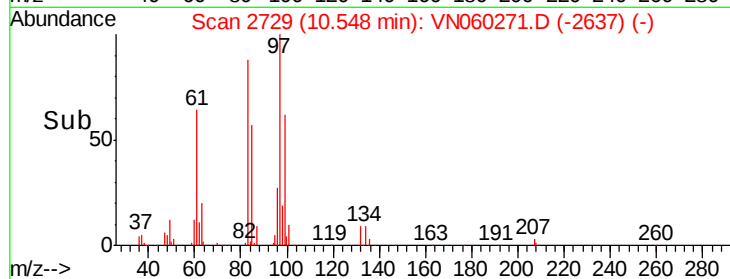
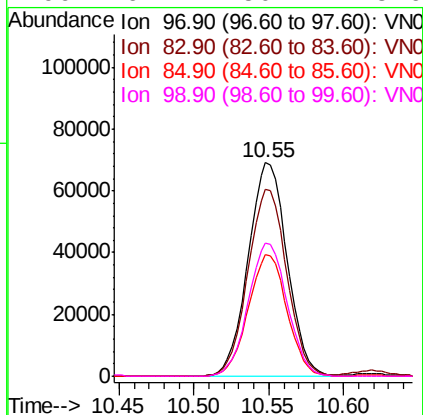
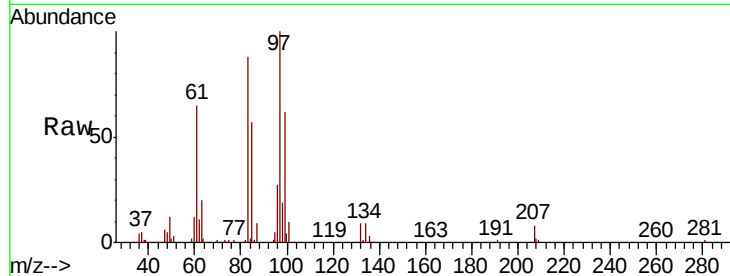




#55
 1,1,2-Trichloroethane
 Concen: 47.784 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

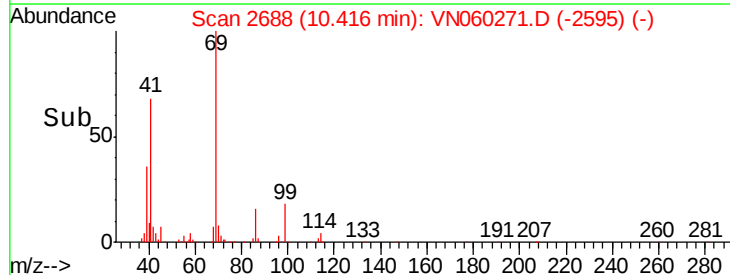
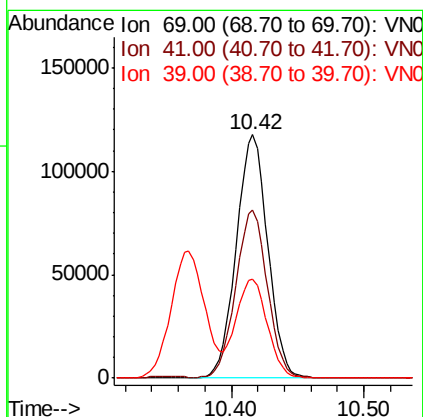
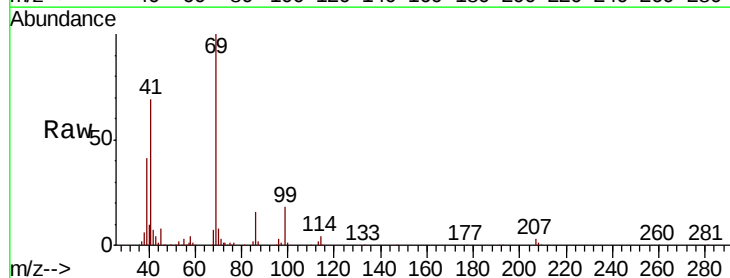
Instrument :
 MSVOA_N
 ClientSampleId :

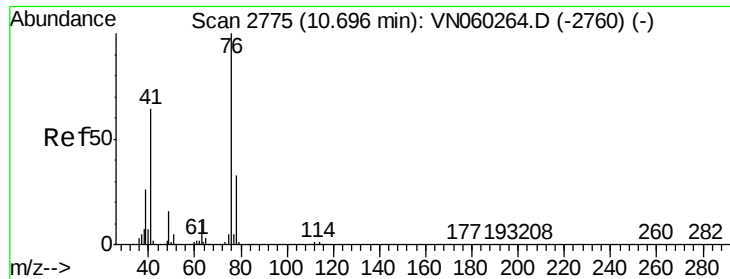
Tot Ion:	97	Resp:	125513
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.0	105.0
85	56.7	44.0	66.0
99	62.1	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 51.358 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion:	69	Resp:	193808
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	40.6	32.5	48.7





#57

1,3-Dichloropropane

Concen: 49.724 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

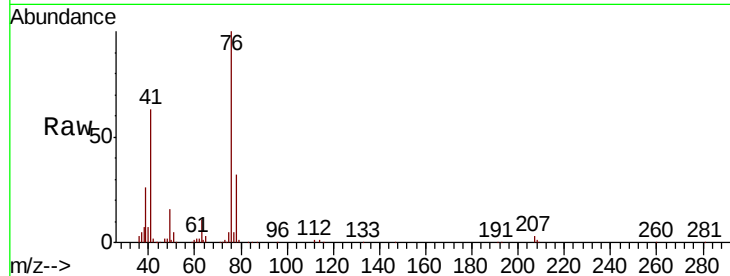
ClientSampleId :

Tot Ion: 76 Resp: 213002

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

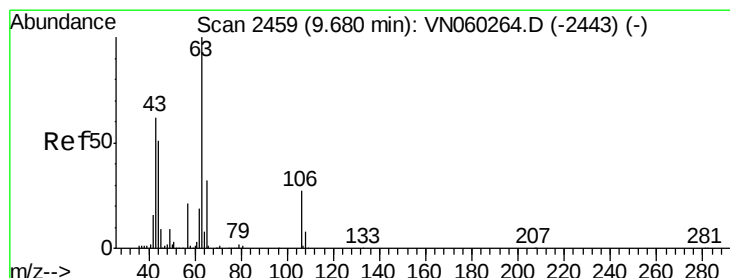
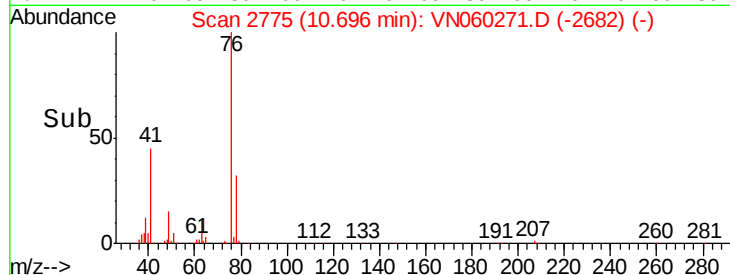
10.70

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 271.492 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060271.D

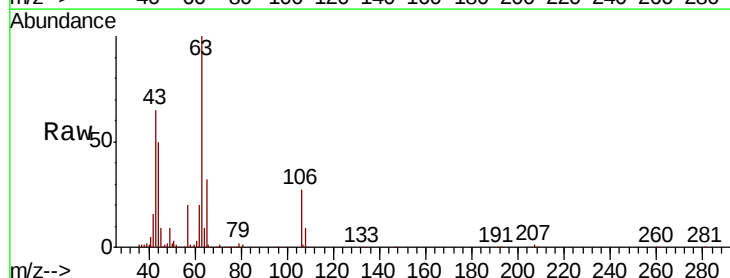
Acq: 28 Feb 2020 9:29

Tgt Ion: 63 Resp: 535830

Ion Ratio Lower Upper

63 100

106 26.6 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

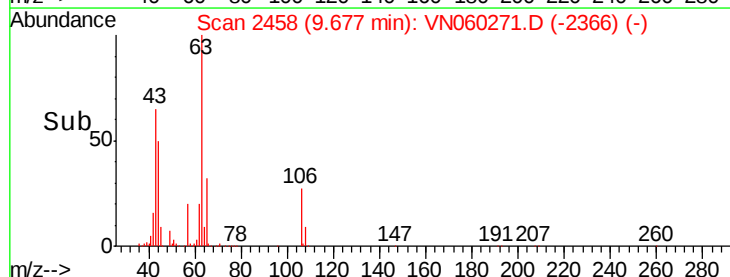
300000

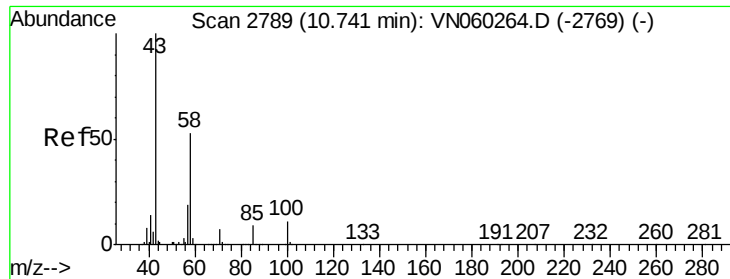
200000

100000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 245.121 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

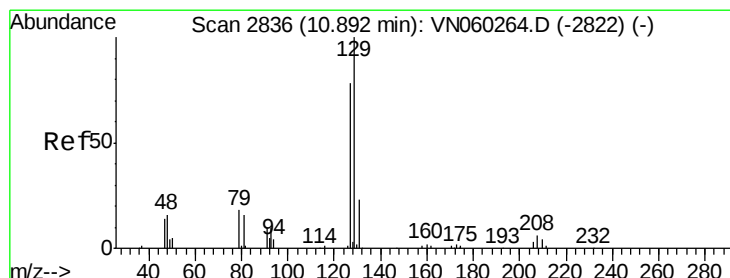
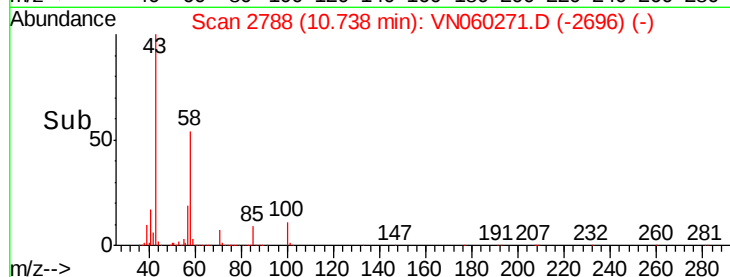
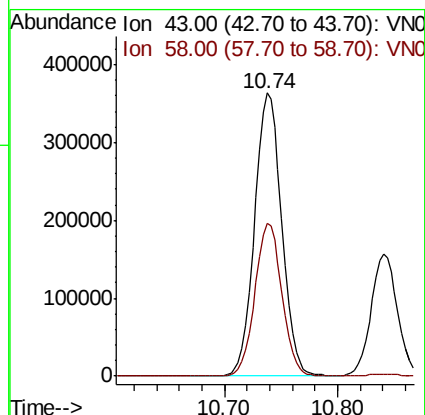
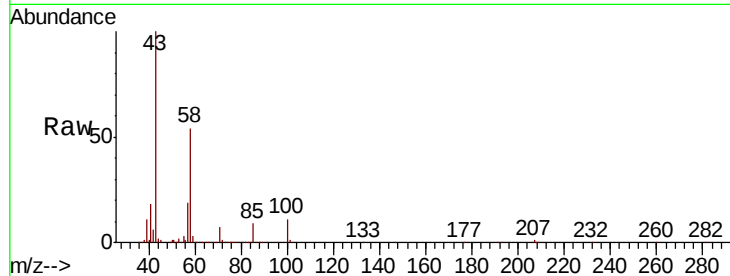
ClientSampled :

Tot Ion: 43 Resp: 604305

Ion Ratio Lower Upper

43 100

58 53.8 26.5 79.5



#60

Dibromochloromethane

Concen: 51.189 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN060271.D

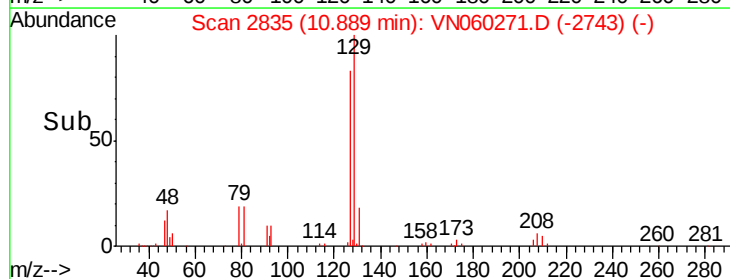
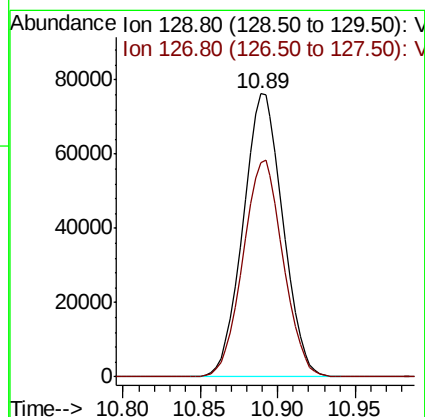
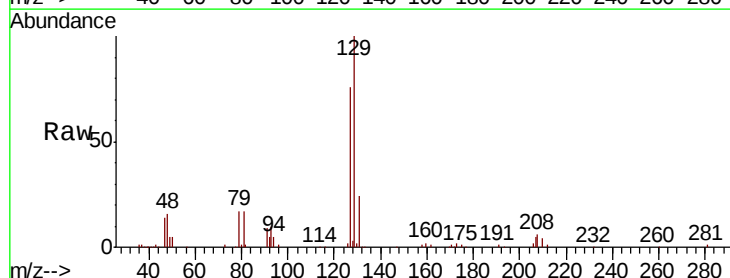
Acq: 28 Feb 2020 9:29

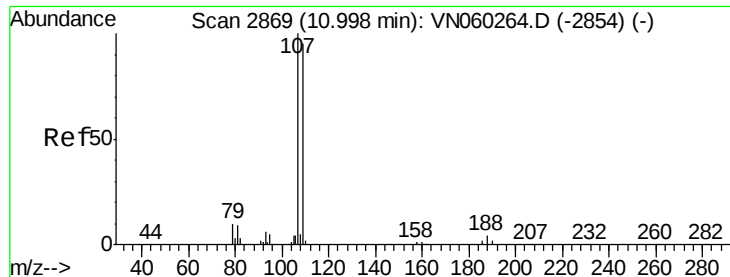
Tgt Ion: 129 Resp: 136739

Ion Ratio Lower Upper

129 100

127 76.9 38.9 116.7

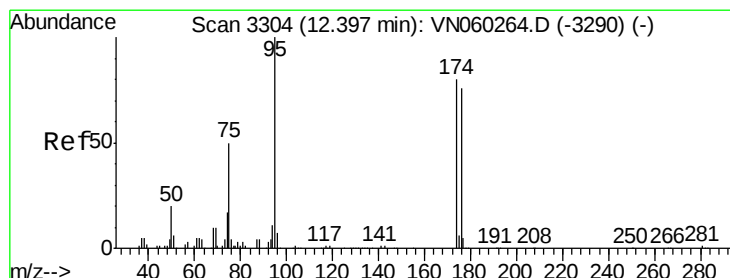
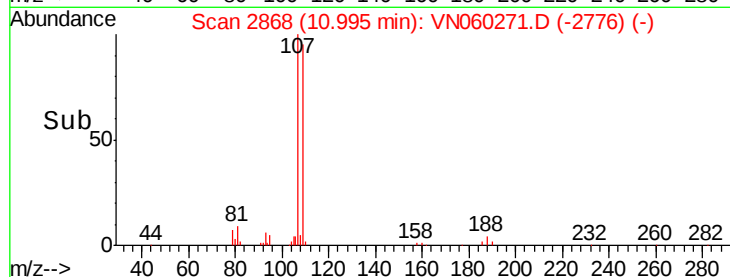
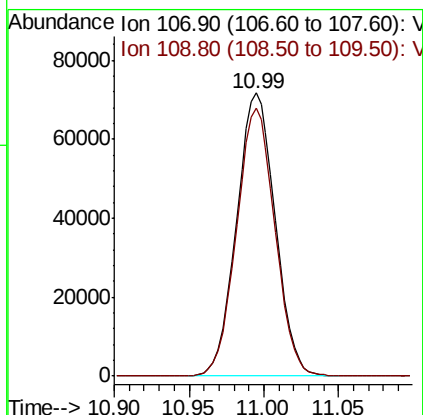
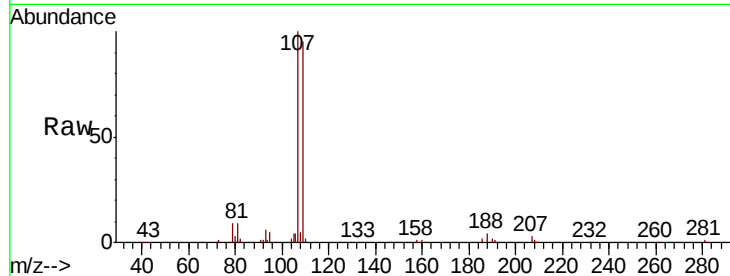




#61
 1,2-Dibromoethane
 Concen: 50.274 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

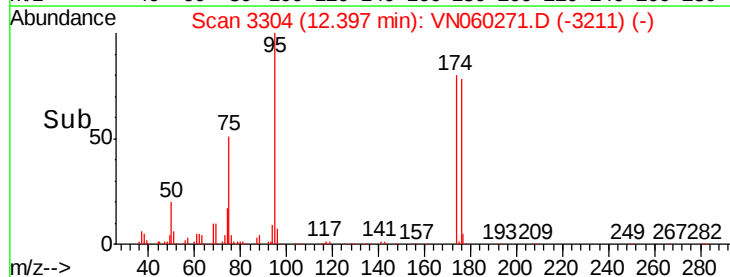
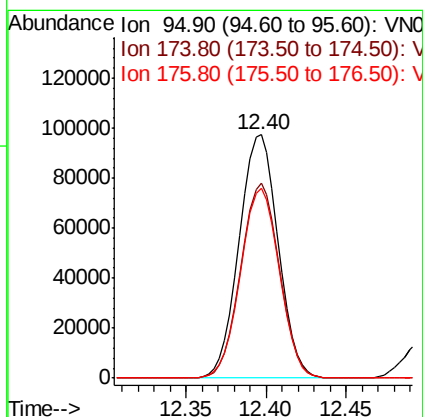
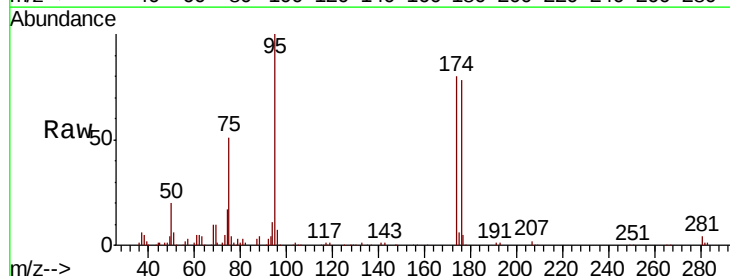
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 128730
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.422 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion: 95 Resp: 161643
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 159.2
 176 77.8 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

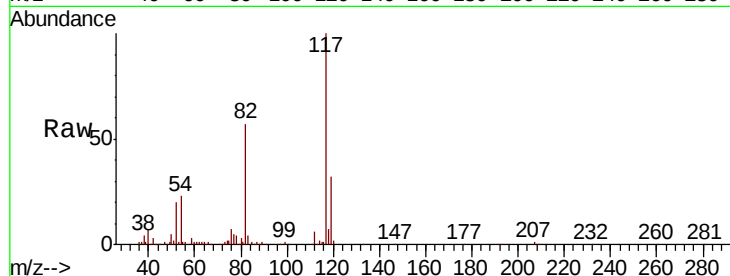
Tot Ion:117 Resp: 347531

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.6

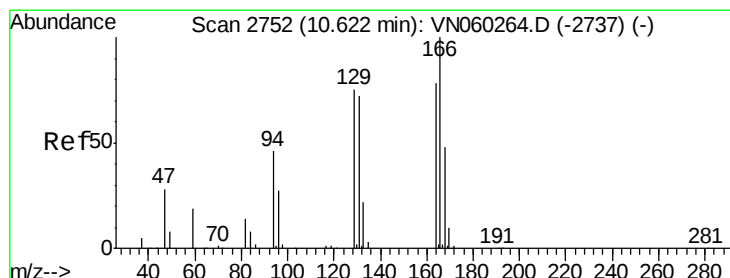
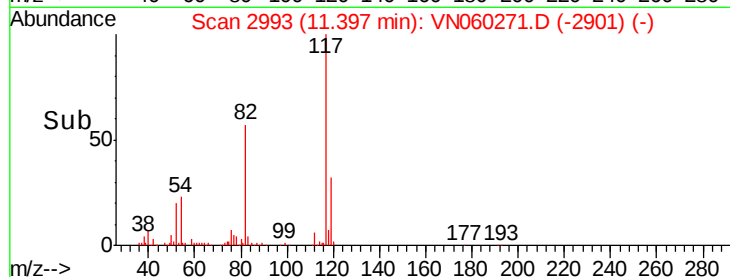
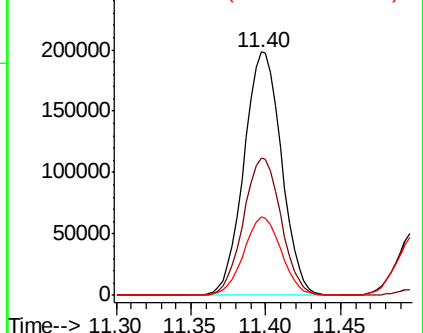
119 32.1 25.8 38.8



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: 52.996 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:164 Resp: 144782

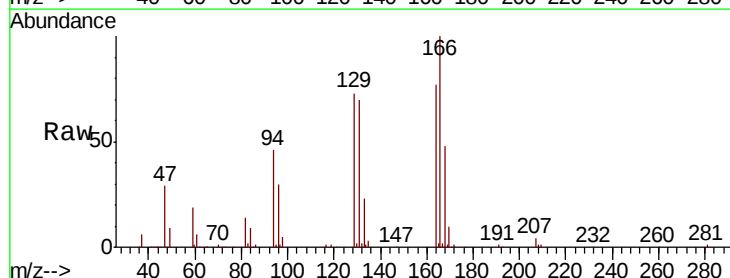
Ion Ratio Lower Upper

164 100

166 129.4 102.0 153.0

129 94.8 76.4 114.6

131 91.0 73.6 110.4

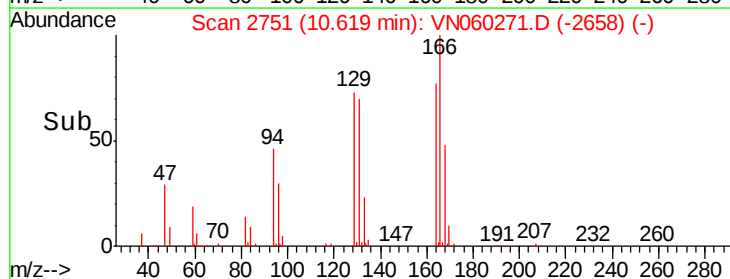
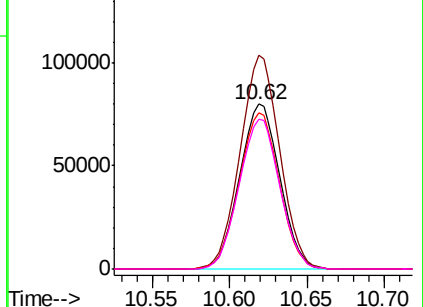


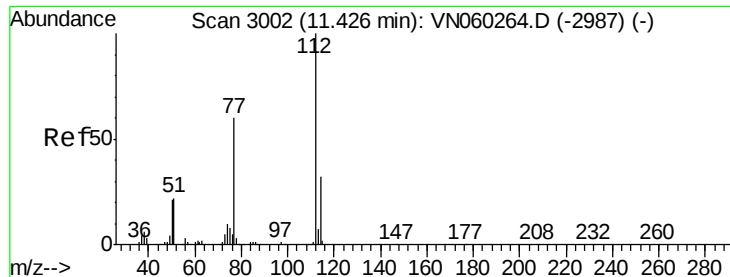
Abundance Ion 163.80 (163.50 to 164.50): V

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

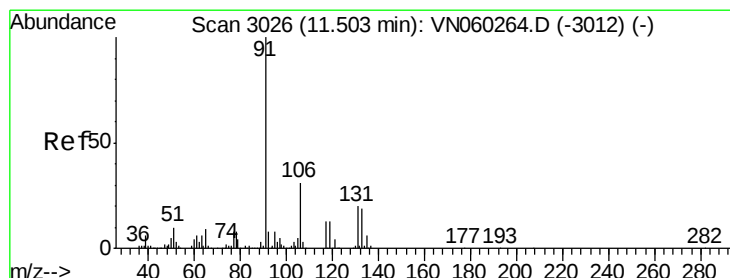
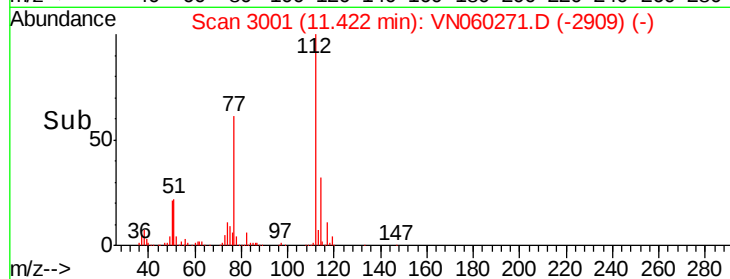
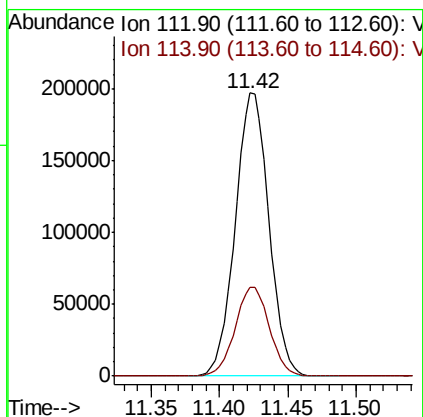
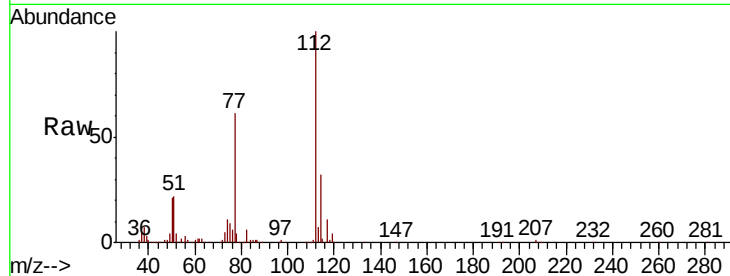




#65
Chlorobenzene
Concen: 47.968 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

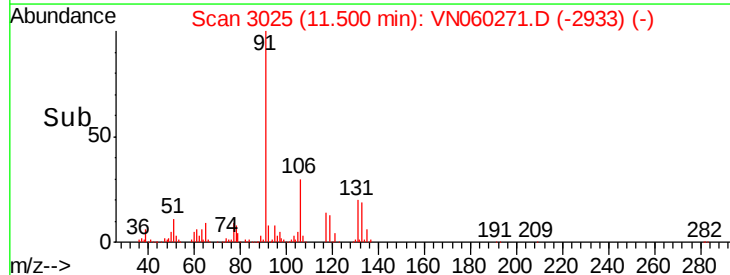
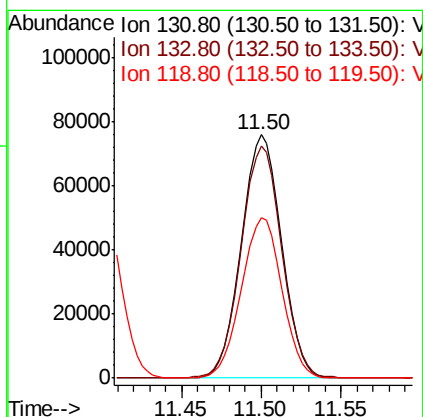
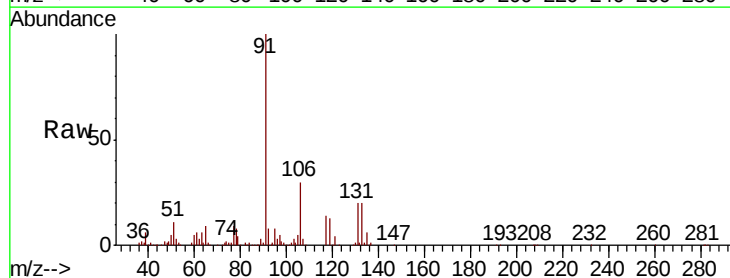
Instrument :
MSVOA_N
ClientSampled :

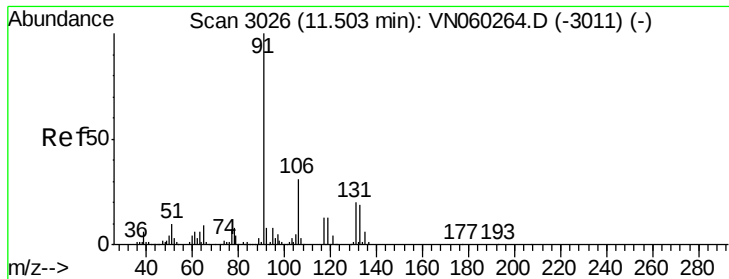
Tot Ion:112 Resp: 336620
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.071 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion:131 Resp: 129920
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 66.6 33.2 99.6





#67

Ethyl Benzene

Concen: 49.317 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

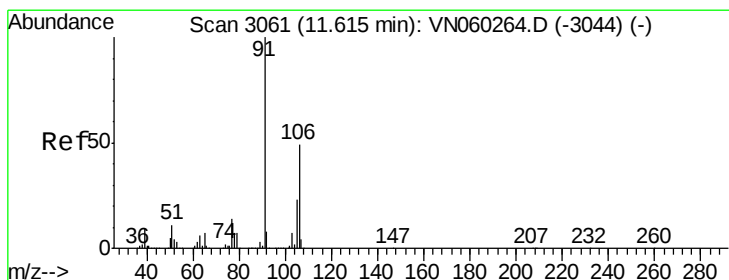
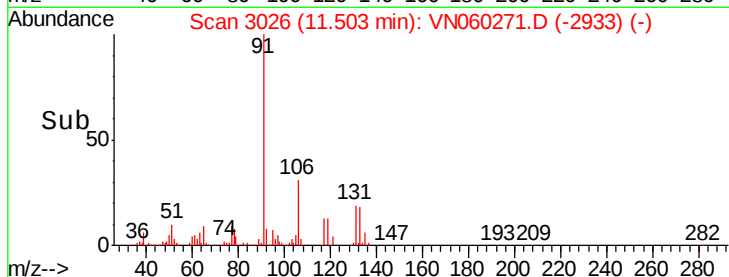
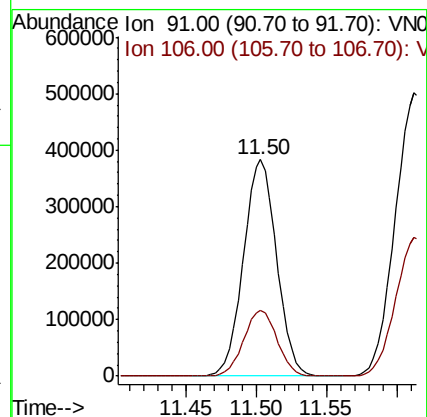
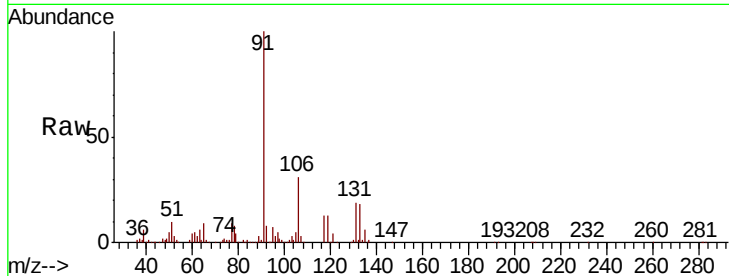
ClientSampled :

Tot Ion: 91 Resp: 630253

Ion Ratio Lower Upper

91 100

106 30.5 24.7 37.1



#68

m/p-Xylenes

Concen: 97.651 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060271.D

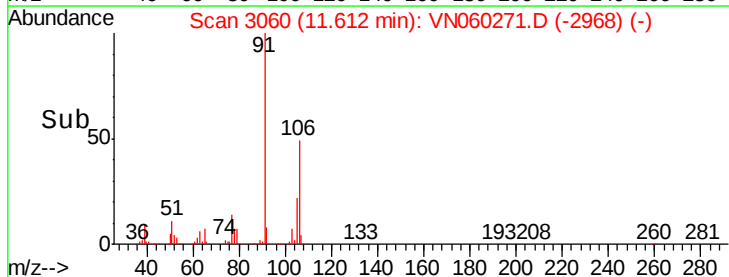
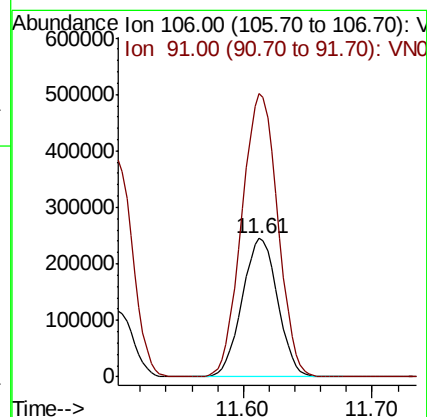
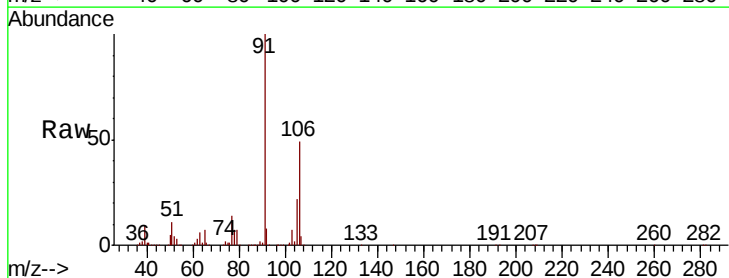
Acq: 28 Feb 2020 9:29

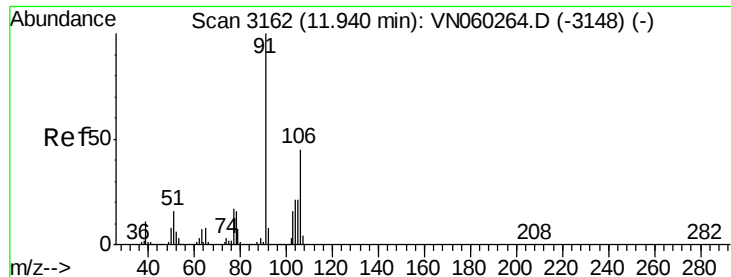
Tgt Ion: 106 Resp: 470836

Ion Ratio Lower Upper

106 100

91 206.6 164.5 246.7

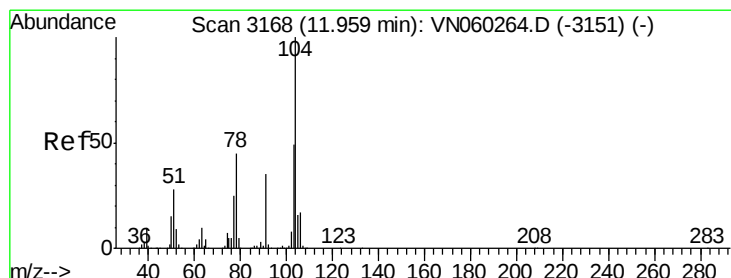
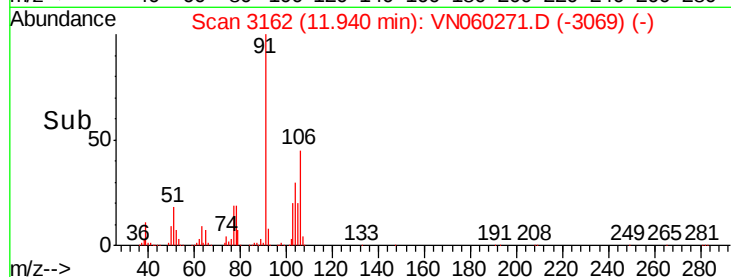
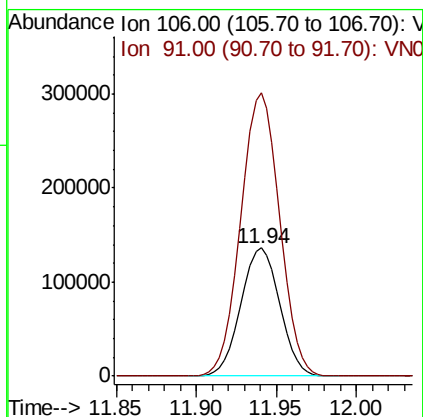
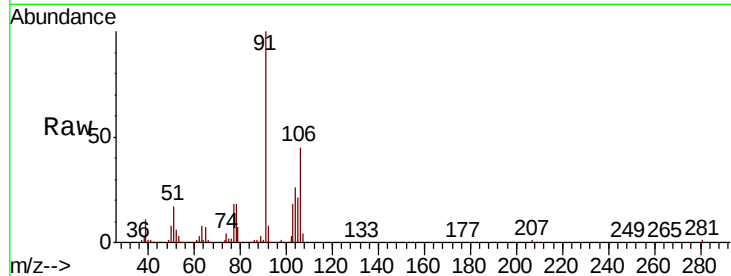




#69
o-Xylene
Concen: 49.171 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

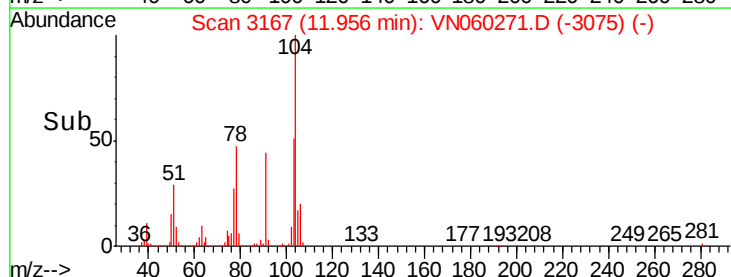
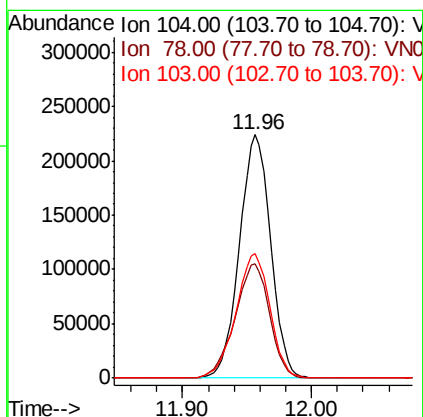
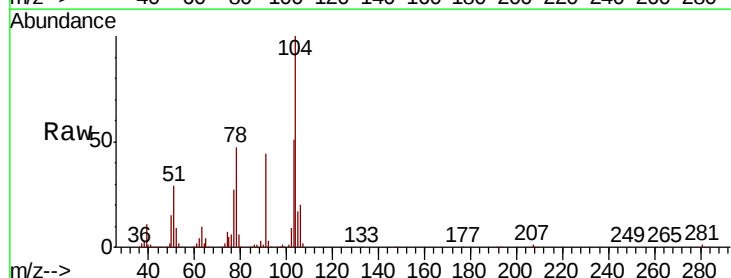
Instrument :
MSVOA_N
ClientSampleId :

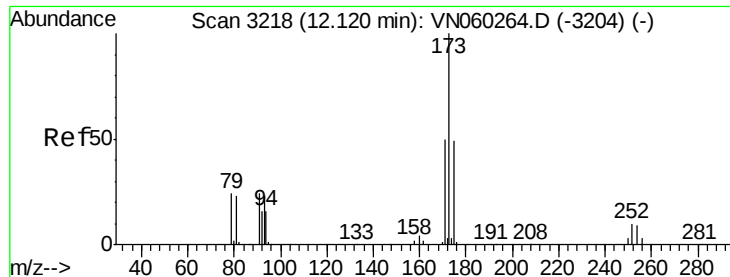
Tot Ion:106 Resp: 226081
Ion Ratio Lower Upper
106 100
91 220.3 109.5 328.4



#70
Styrene
Concen: 49.938 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion:104 Resp: 377498
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.7 43.9 65.9





#71

Bromoform

Concen: 51.308 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

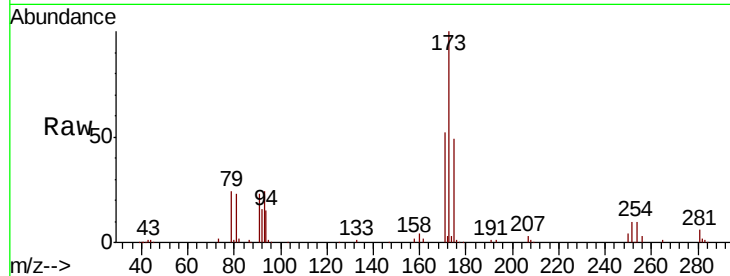
Tot Ion:173 Resp: 95947

Ion Ratio Lower Upper

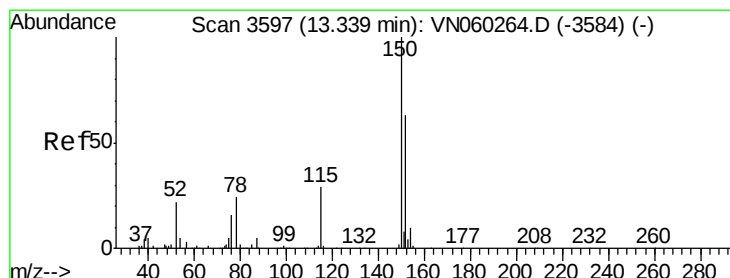
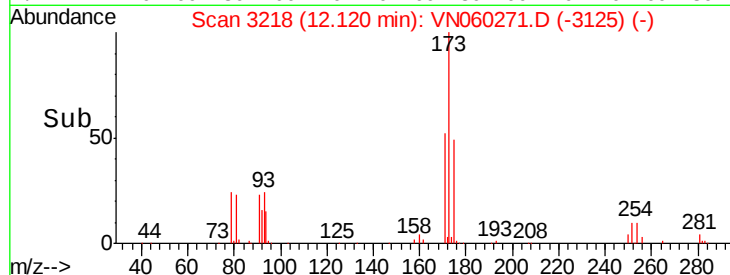
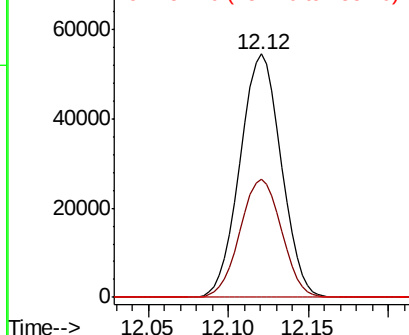
173 100

175 48.8 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: VN060271.D

Acq: 28 Feb 2020 9:29

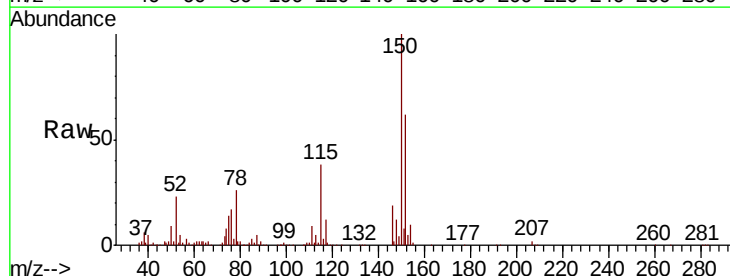
Tgt Ion:152 Resp: 169943

Ion Ratio Lower Upper

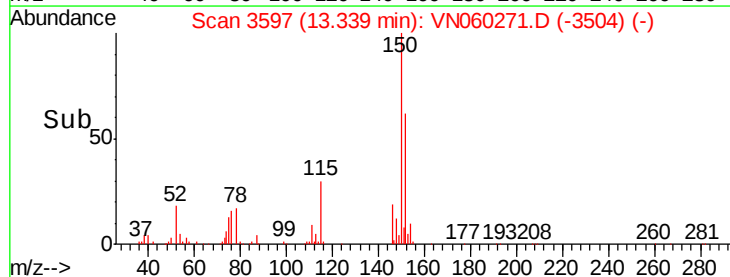
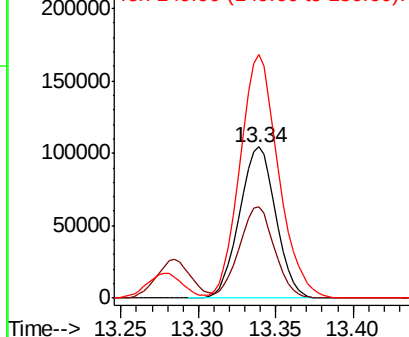
152 100

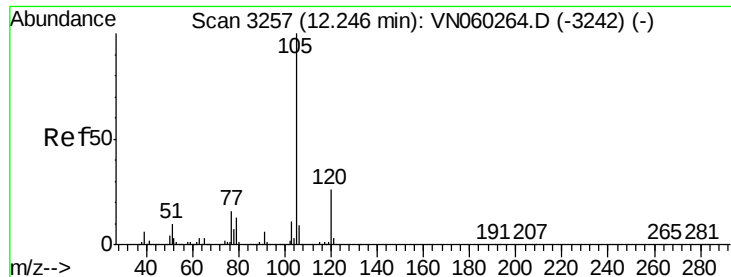
115 59.0 30.0 90.0

150 172.2 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: 49.207 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

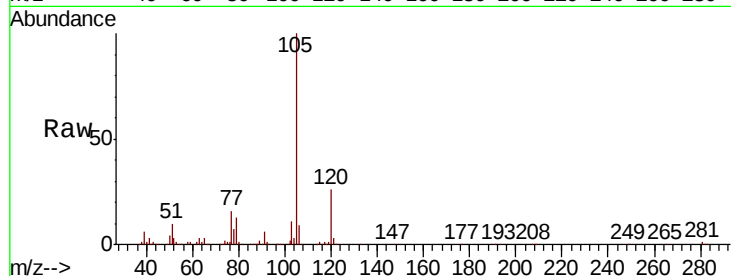
ClientSampled :

Tot Ion:105 Resp: 619806

Ion Ratio Lower Upper

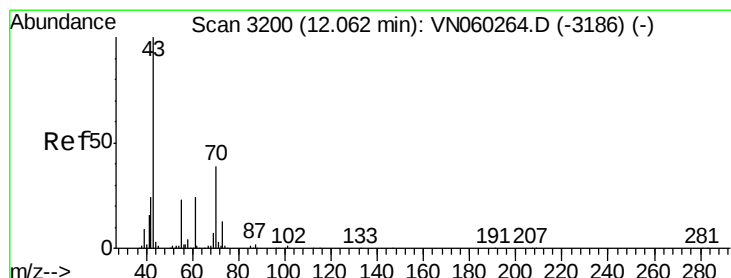
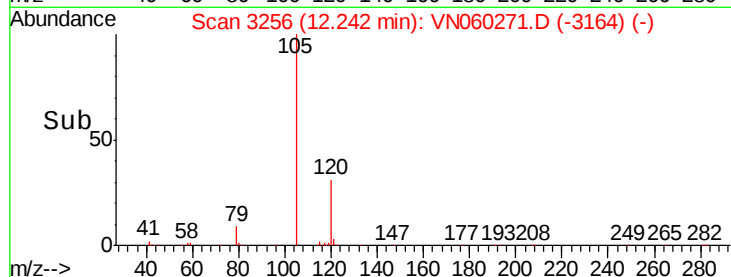
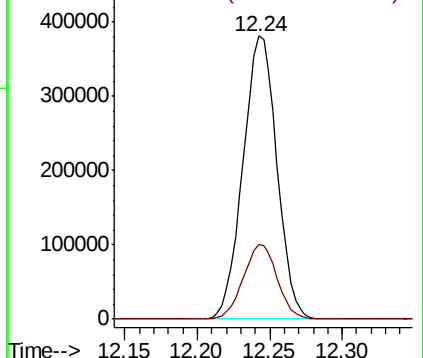
105 100

120 26.1 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.898 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion: 43 Resp: 263639

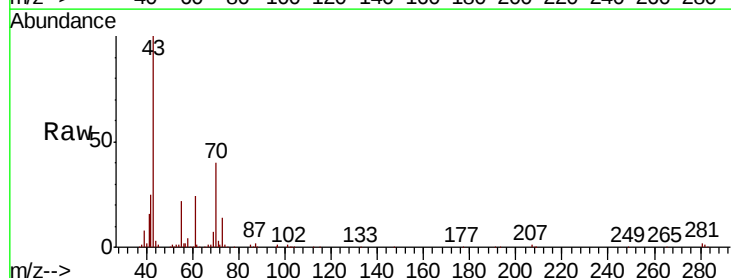
Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.2

55 22.8 18.2 27.4

61 23.9 19.2 28.8

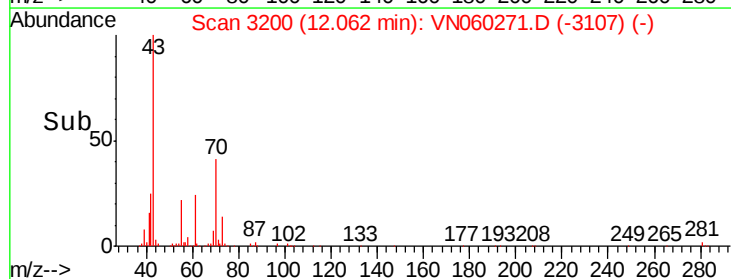
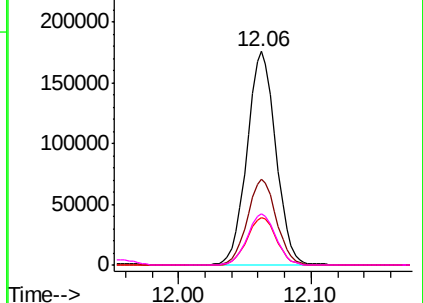


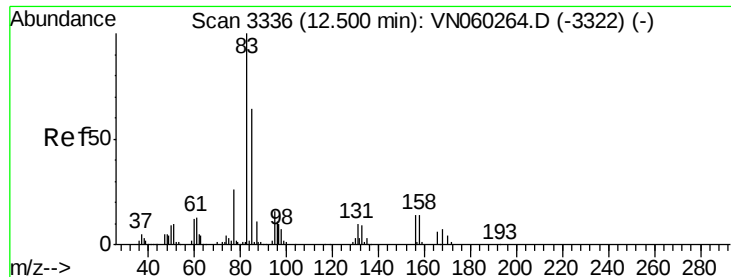
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.075 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060271.D

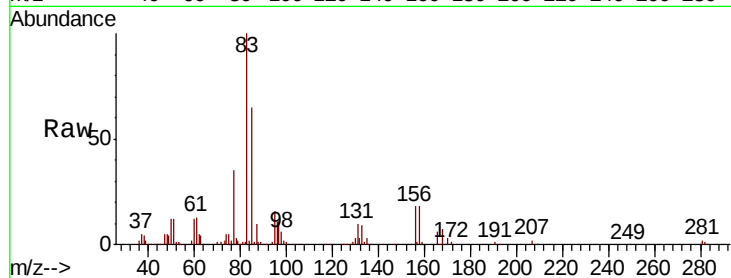
Acq: 28 Feb 2020 9:29

Instrument :

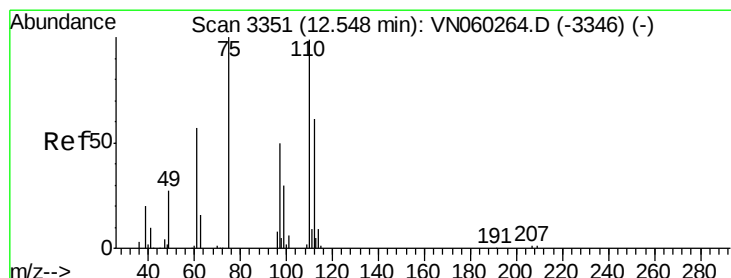
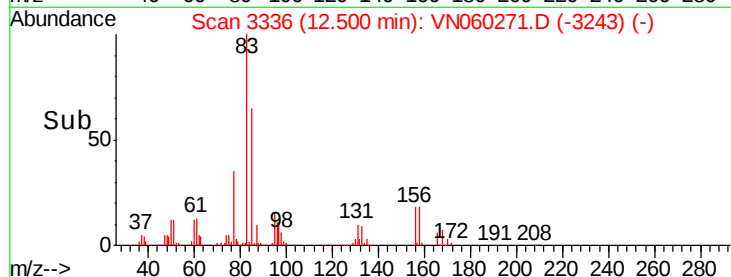
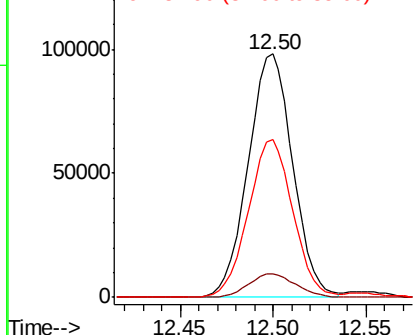
MSVOA_N

ClientSampled :

Tot Ion:	83	Resp:	164603
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	64.5	32.3	96.8



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



#76

1,2,3-Trichloropropane

Concen: 65.153 ug/l

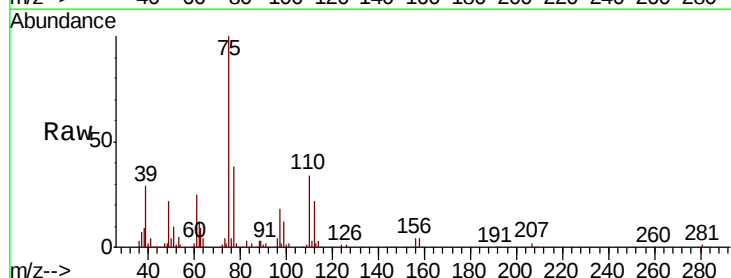
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

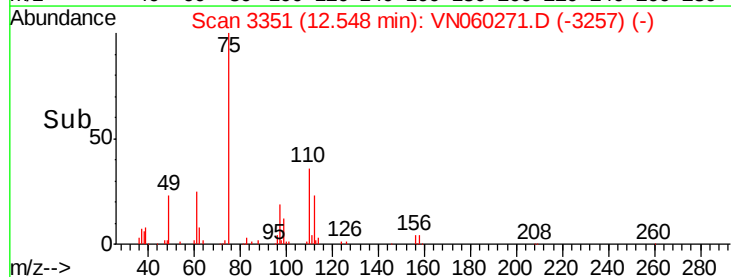
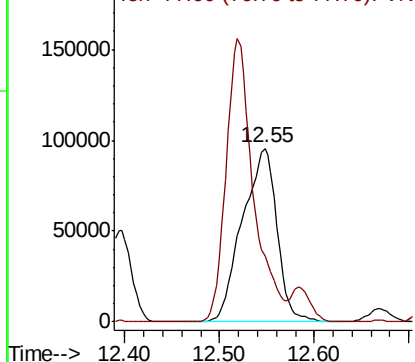
Lab File: VN060271.D

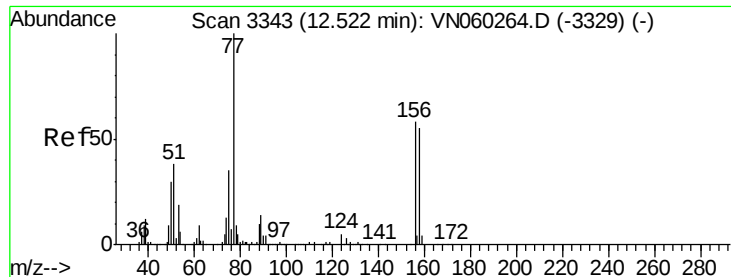
Acq: 28 Feb 2020 9:29

Tgt Ion:	75	Resp:	242926
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 48.507 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

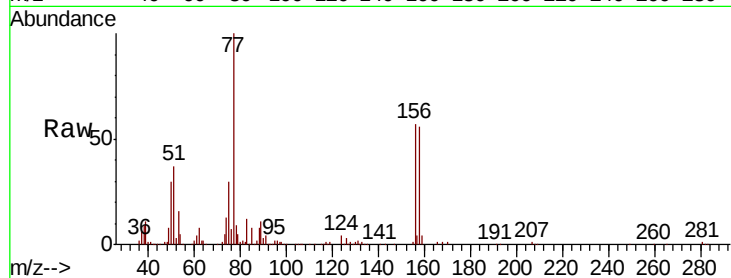
Tot Ion:156 Resp: 149771

Ion Ratio Lower Upper

156 100

77 210.5 106.1 318.3

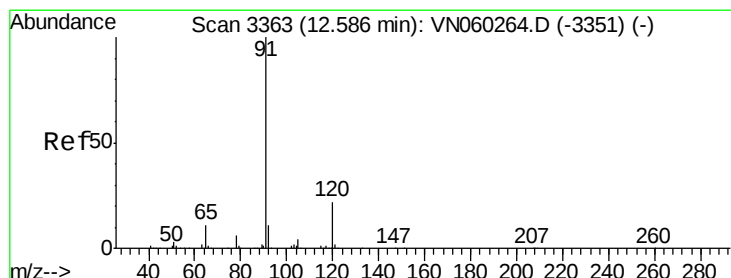
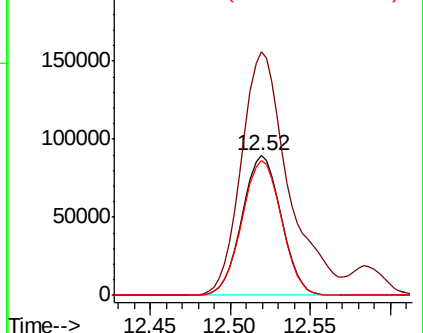
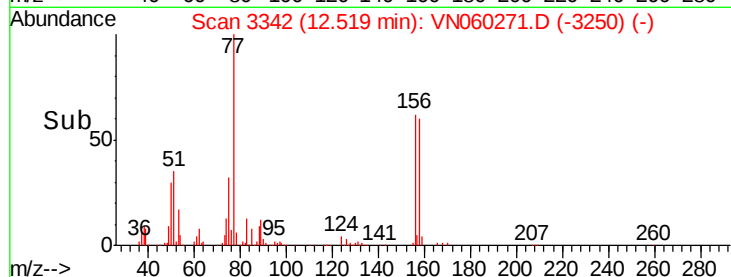
158 96.9 48.3 144.8



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: 49.042 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060271.D

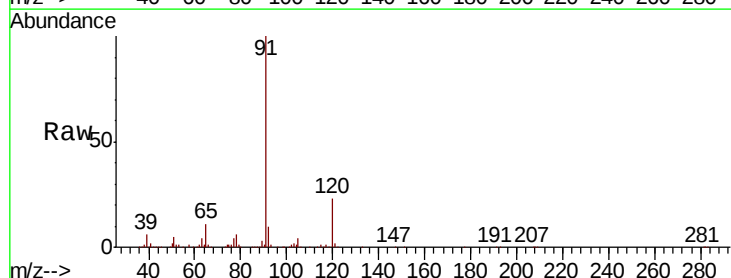
Acq: 28 Feb 2020 9:29

Tgt Ion: 91 Resp: 724100

Ion Ratio Lower Upper

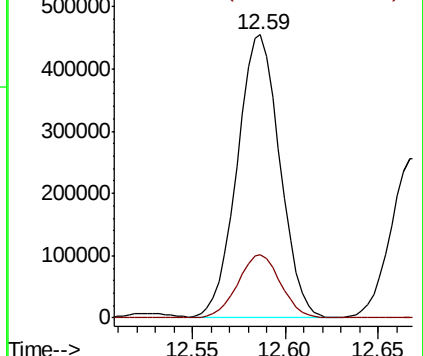
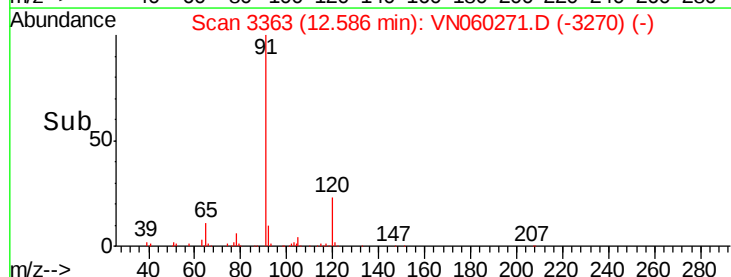
91 100

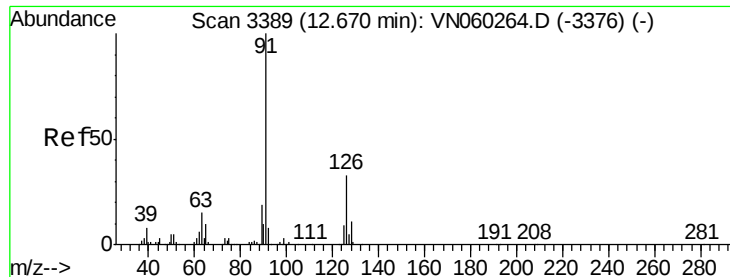
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

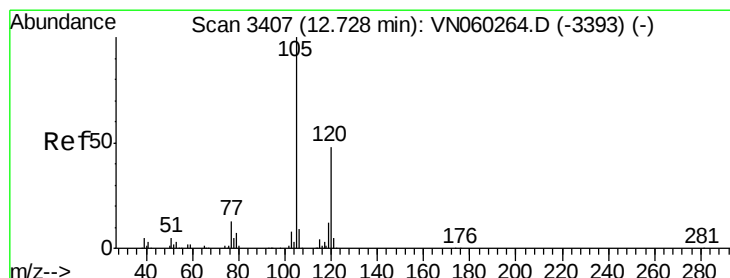
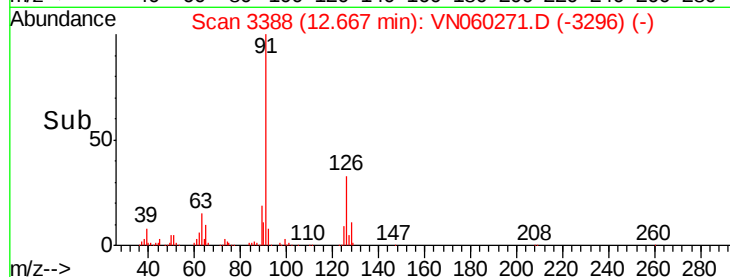
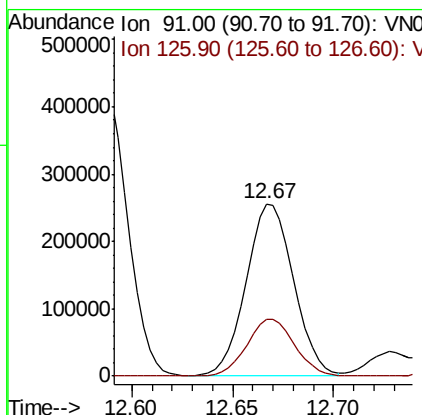
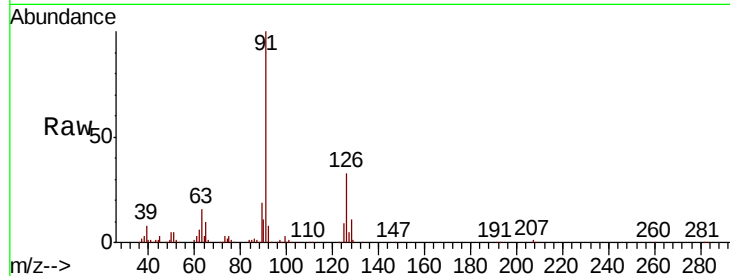




#79
 2-Chlorotoluene
 Concen: 48.380 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

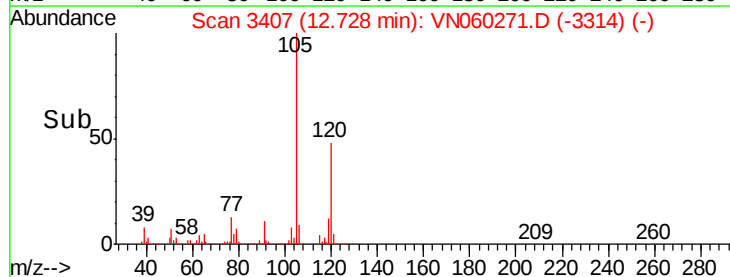
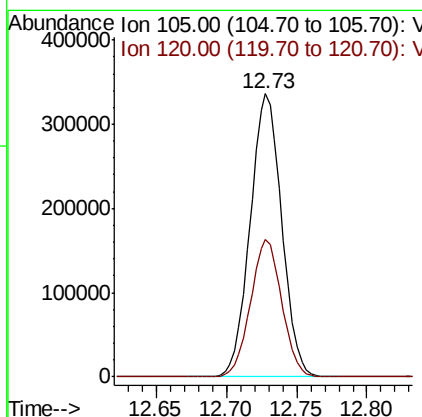
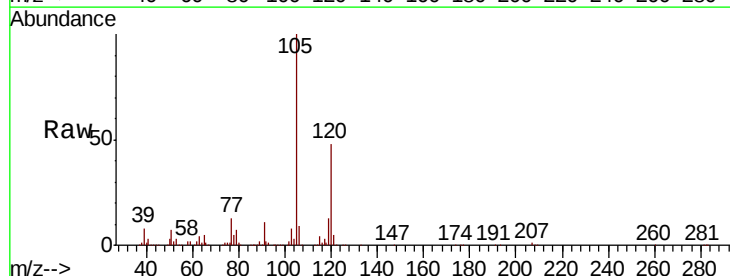
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 419894
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.478 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion: 105 Resp: 524727
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.916 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

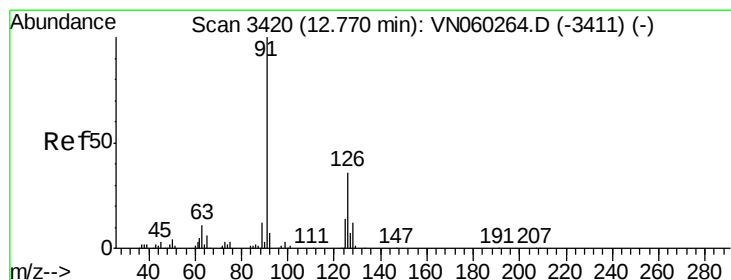
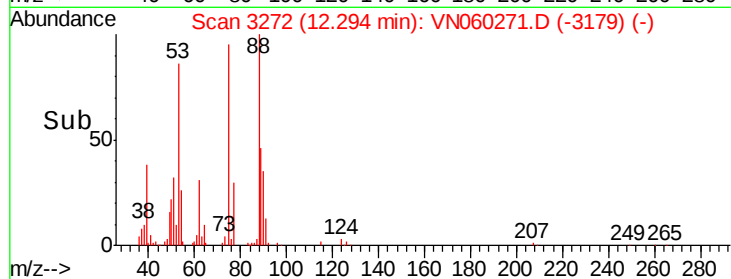
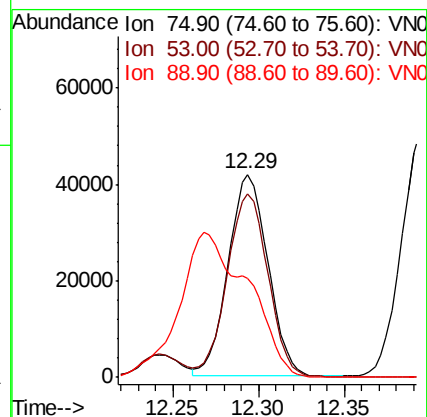
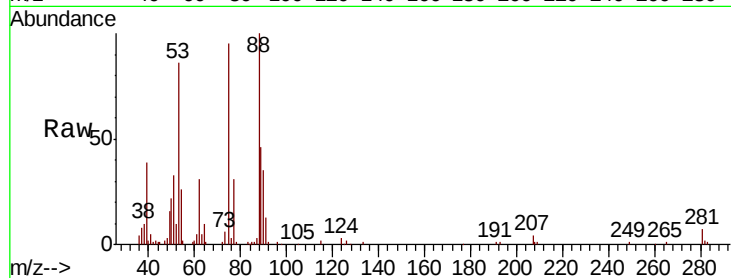
Tot Ion: 75 Resp: 67422

Ion Ratio Lower Upper

75 100

53 93.8 73.8 110.6

89 0.0 57.1 85.7#



#82

4-Chlorotoluene

Concen: 47.998 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060271.D

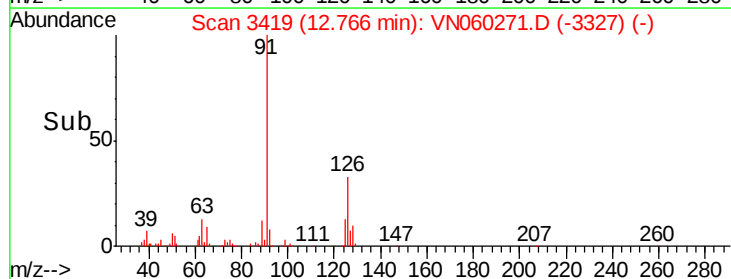
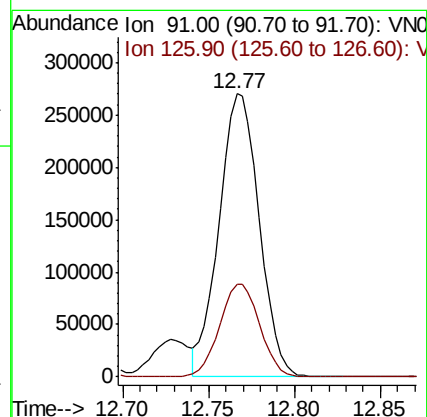
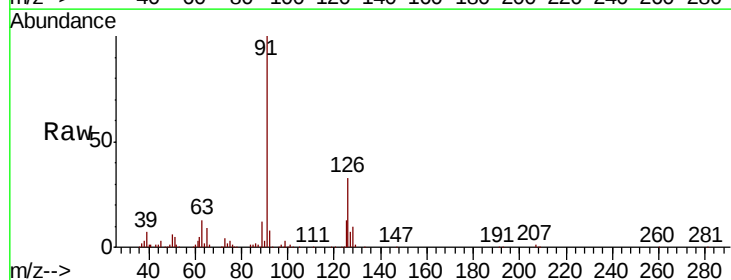
Acq: 28 Feb 2020 9:29

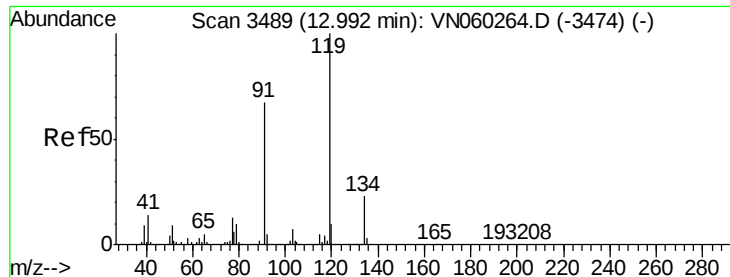
Tgt Ion: 91 Resp: 438894

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1

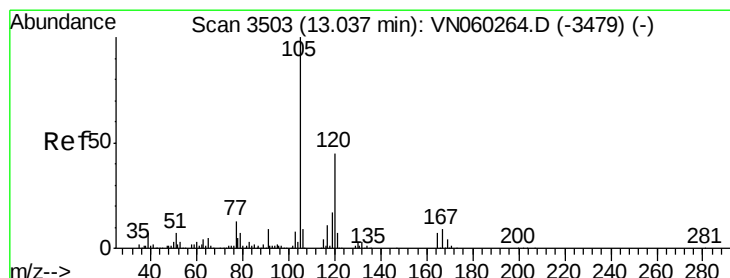
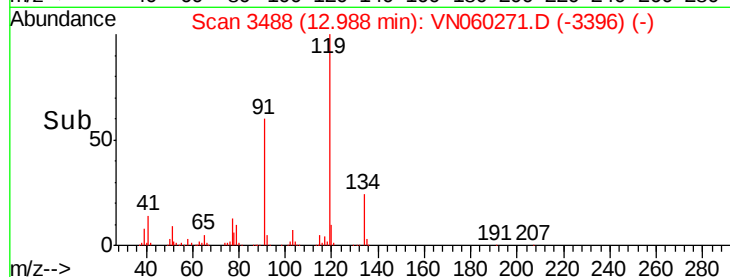
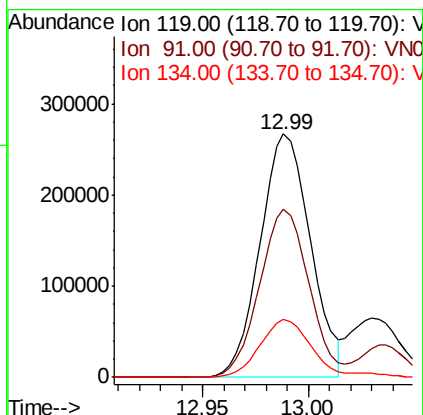
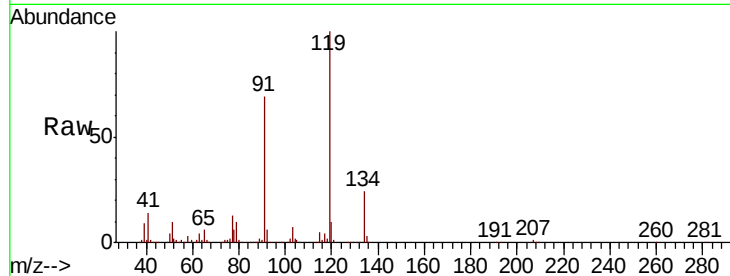




#83
tert-Butylbenzene
Concen: 48.500 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

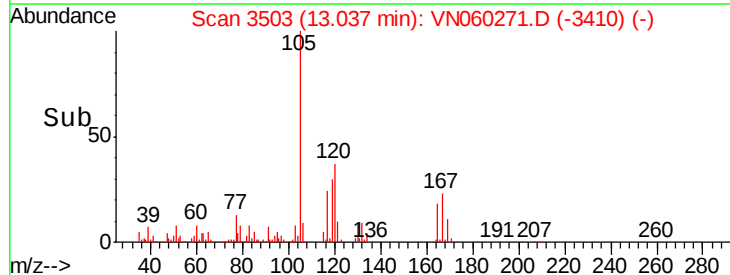
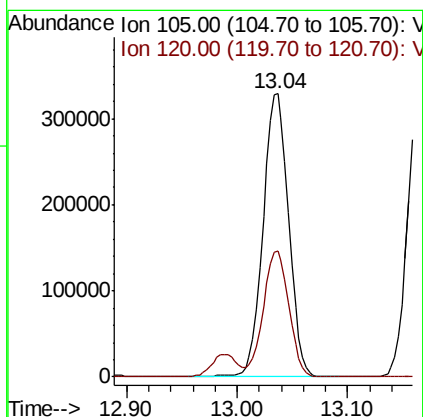
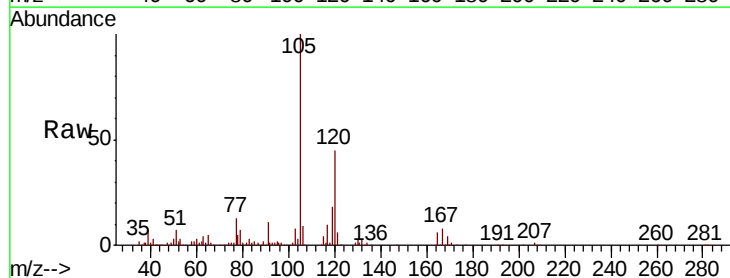
Instrument :
MSVOA_N
ClientSampleId :

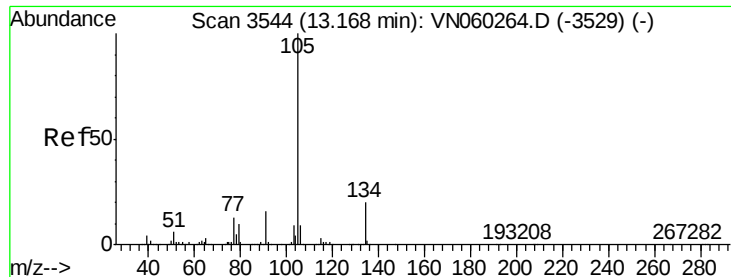
Tot Ion:119 Resp: 445324
Ion Ratio Lower Upper
119 100
91 67.8 33.1 99.2
134 24.9 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 49.283 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion:105 Resp: 527540
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.9

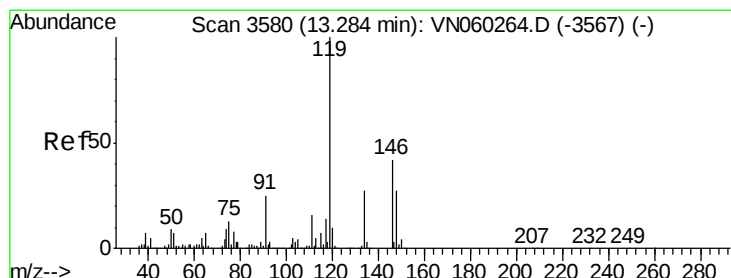
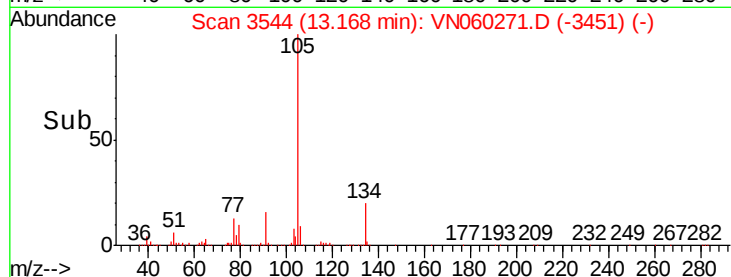
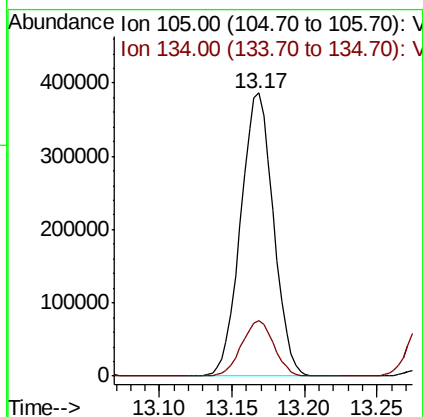
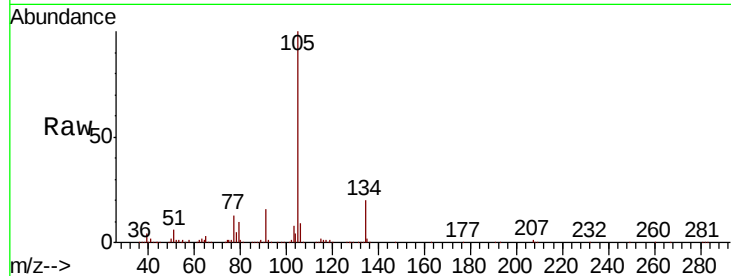




#85
 sec-Butylbenzene
 Concen: 49.352 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

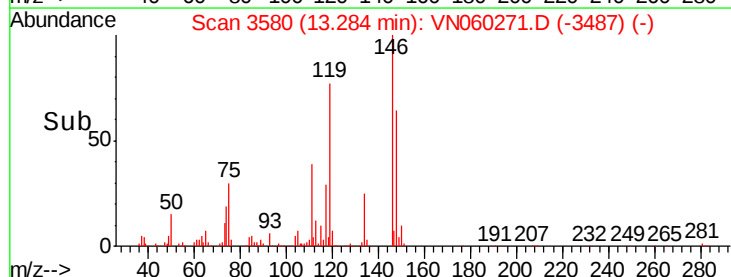
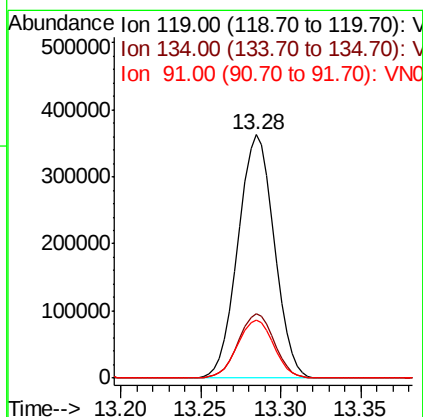
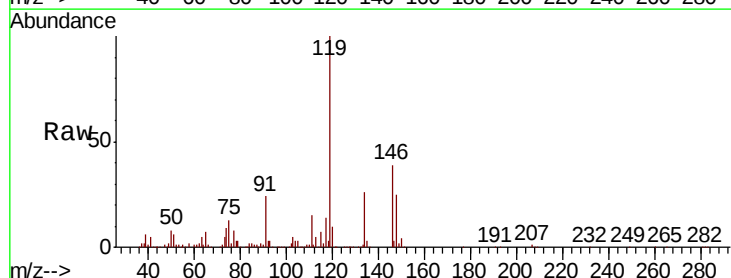
Instrument :
 MSVOA_N
 ClientSampled :

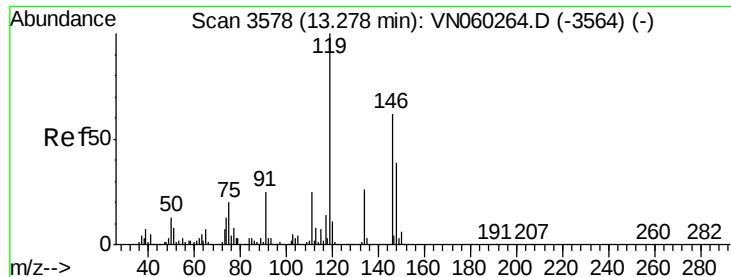
Tot Ion:105 Resp: 606818
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 48.979 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion:119 Resp: 557403
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.6
 91 24.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 50.963 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

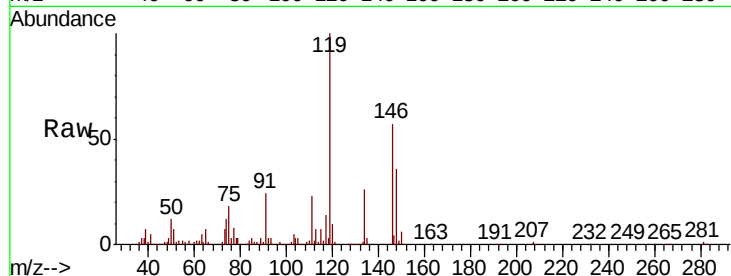
Tot Ion:146 Resp: 270361

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

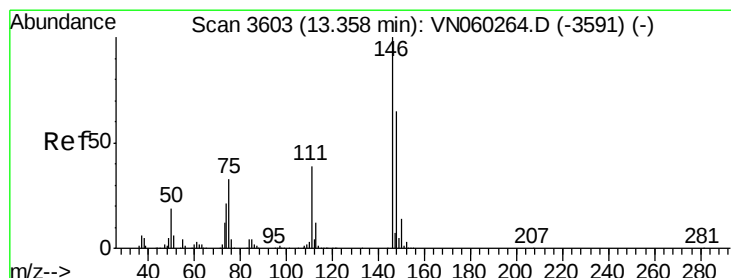
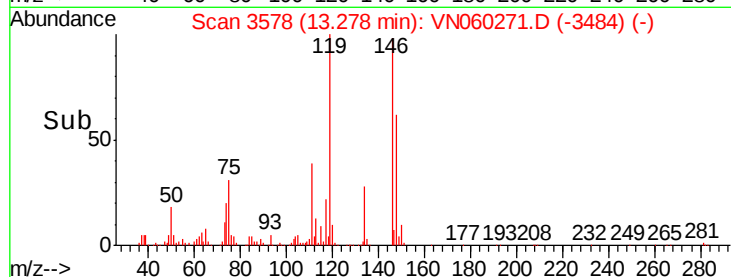
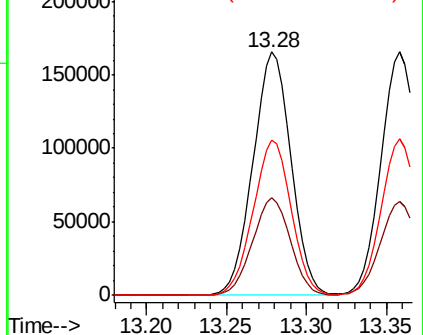
148 63.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.250 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

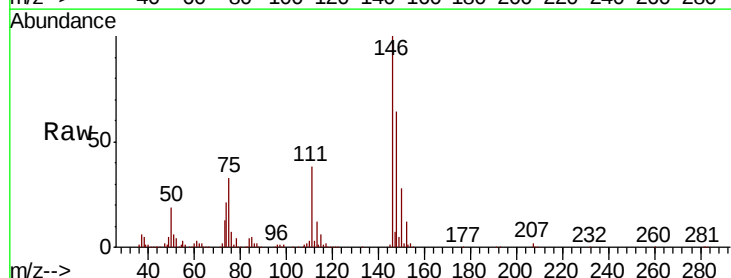
Tgt Ion:146 Resp: 270317

Ion Ratio Lower Upper

146 100

111 39.1 19.8 59.4

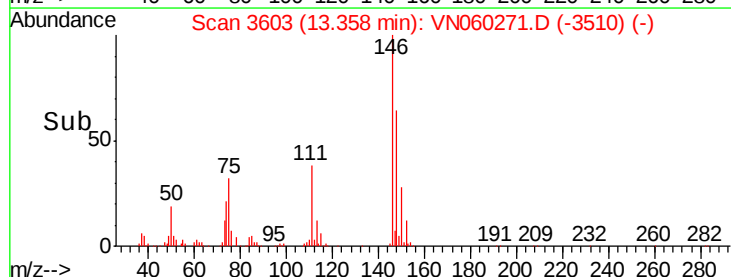
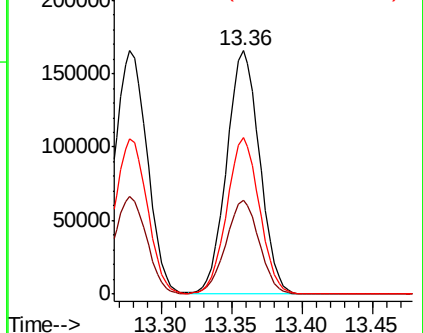
148 63.6 32.3 96.9

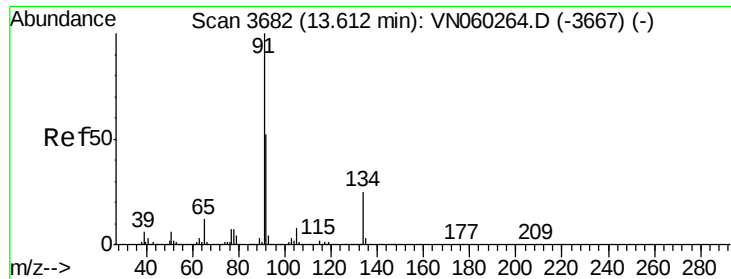


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

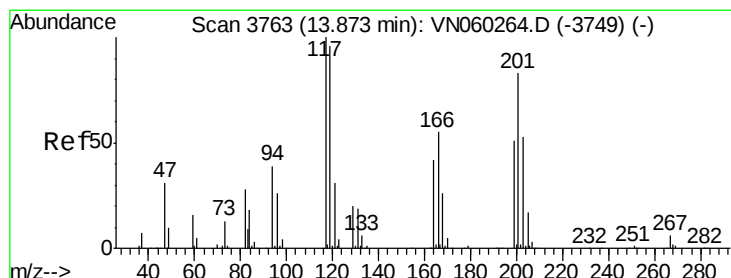
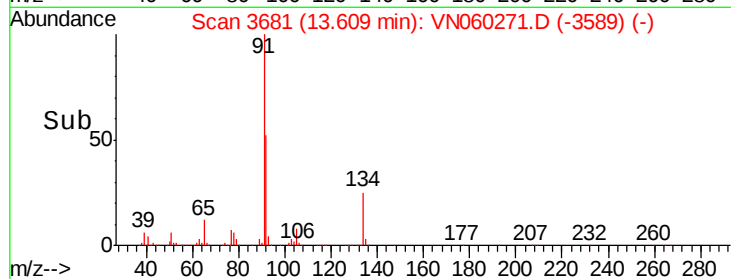
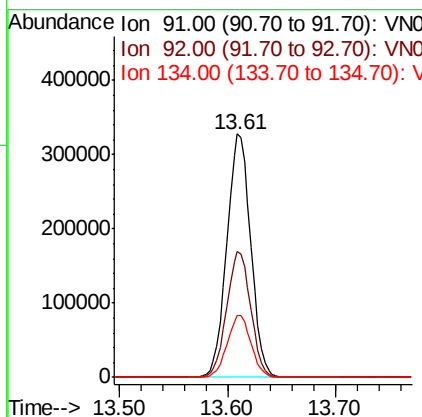
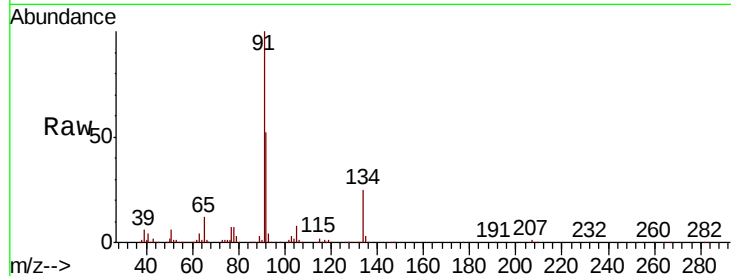




#89
n-Butylbenzene
Concen: 48.358 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

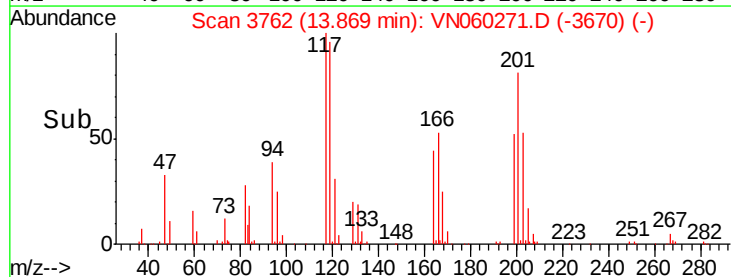
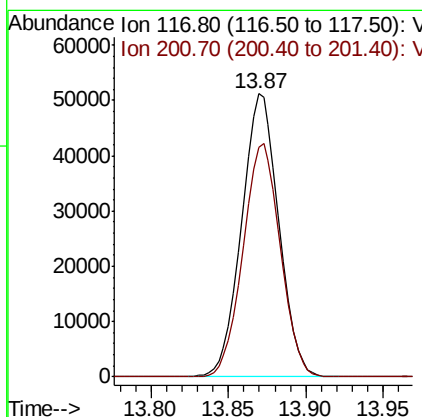
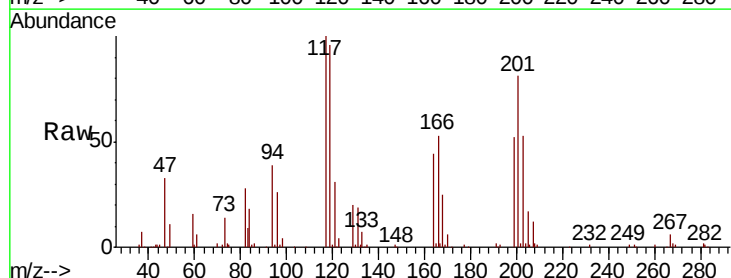
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 505194
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 25.4 12.7 38.1



#90
Hexachloroethane
Concen: 51.964 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion: 117 Resp: 85600
Ion Ratio Lower Upper
117 100
201 82.7 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 47.806 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060271.D

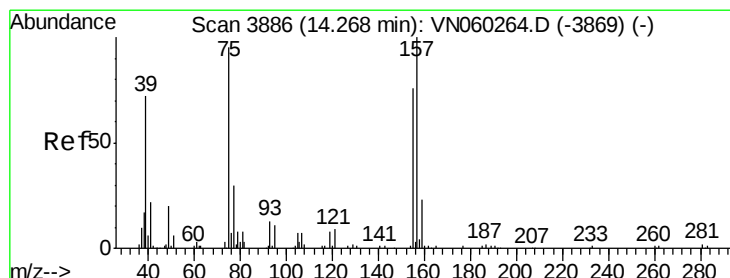
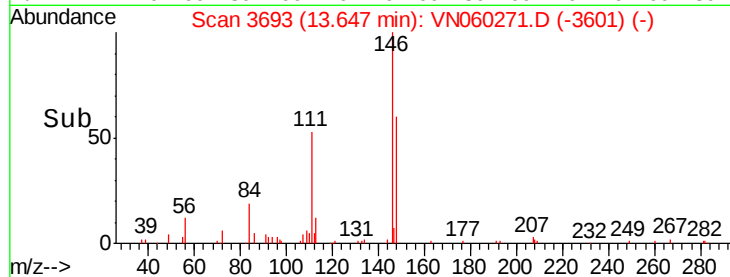
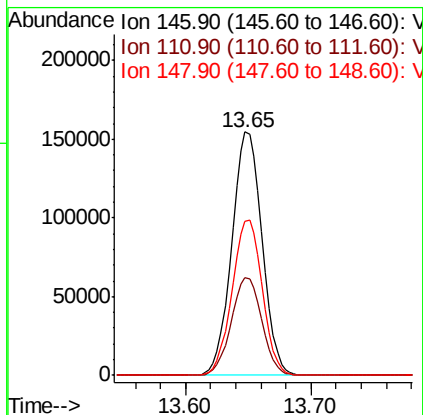
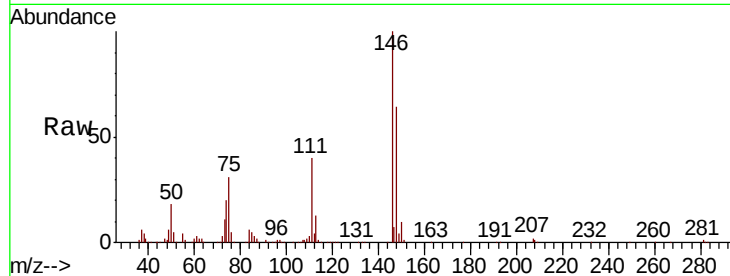
Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	258643
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	63.9	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.753 ug/l

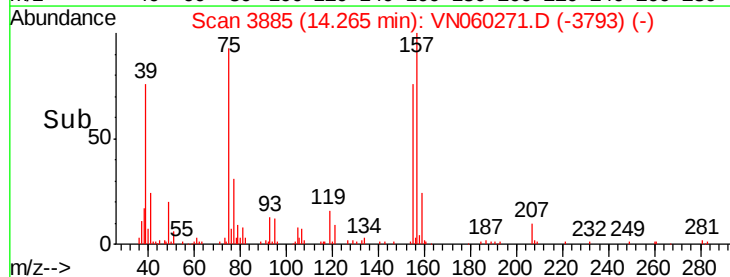
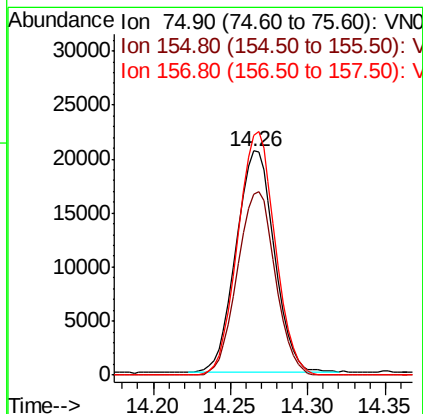
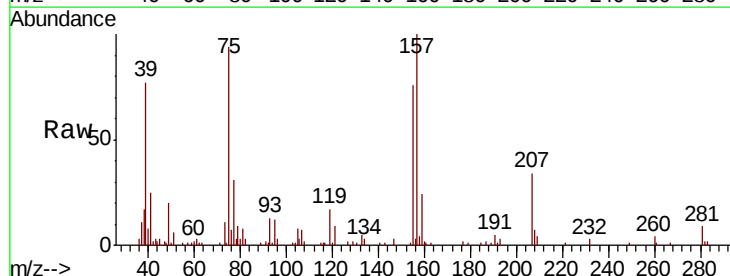
RT: 14.26 min Scan# 3885

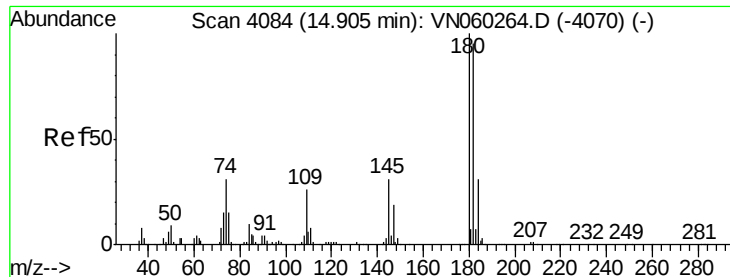
Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	75	Resp:	35475
Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.4	121.2
157	106.5	52.5	157.5

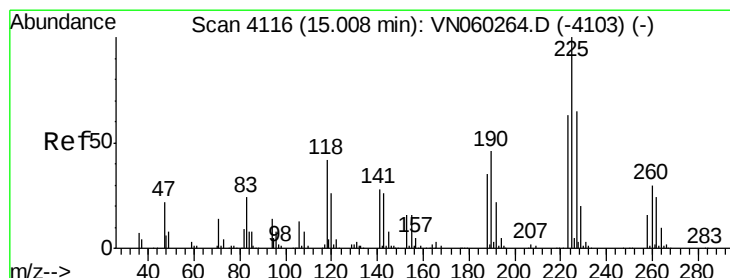
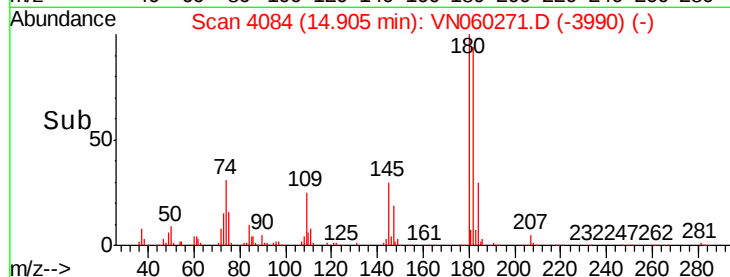
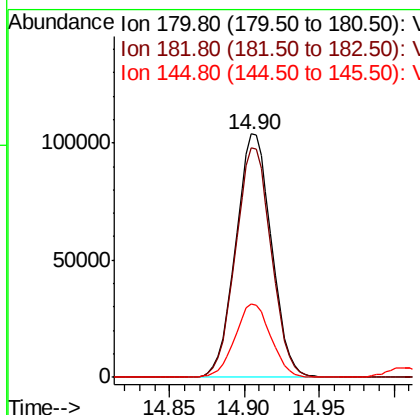
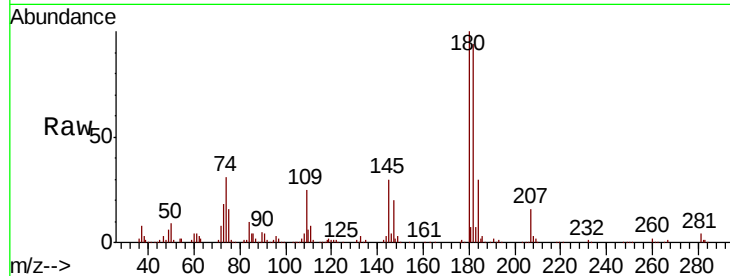




#93
 1,2,4-Trichlorobenzene
 Concen: 50.178 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

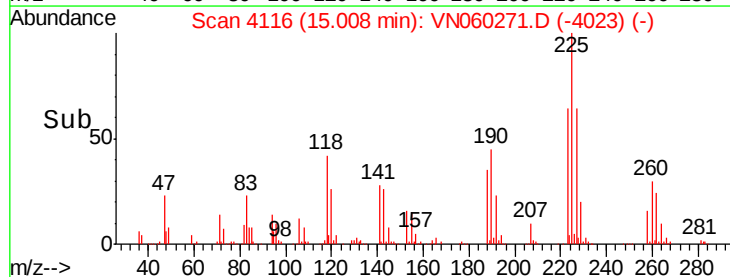
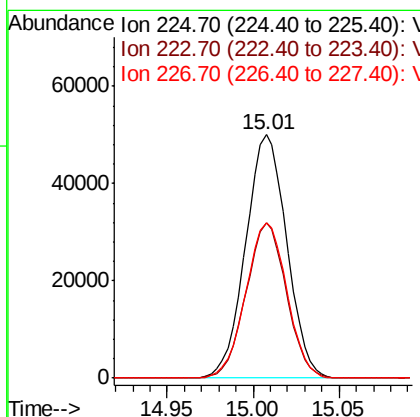
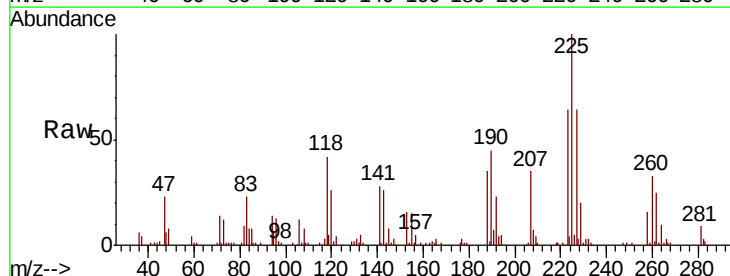
Instrument :
 MSVOA_N
 ClientSampleId :

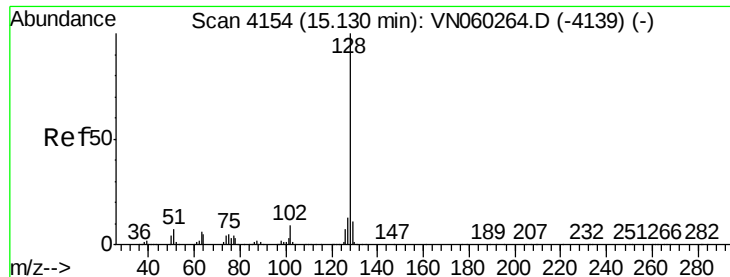
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.5	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 52.565 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.3	93.9
227	63.7	32.3	96.9

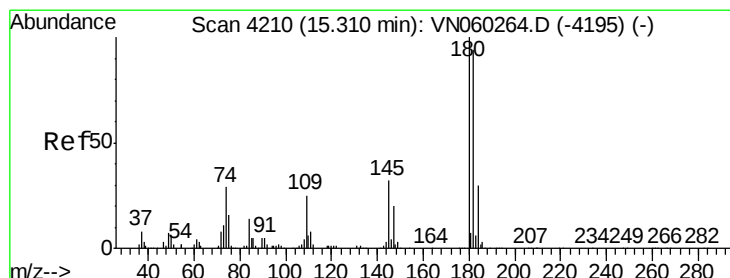
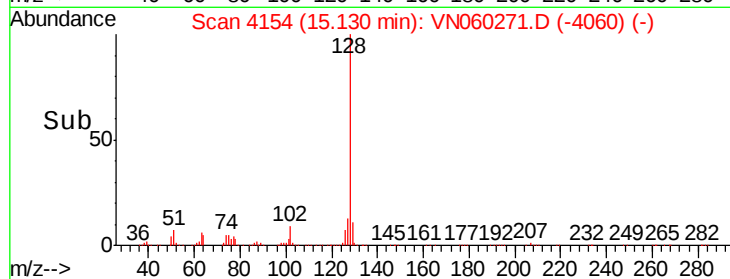
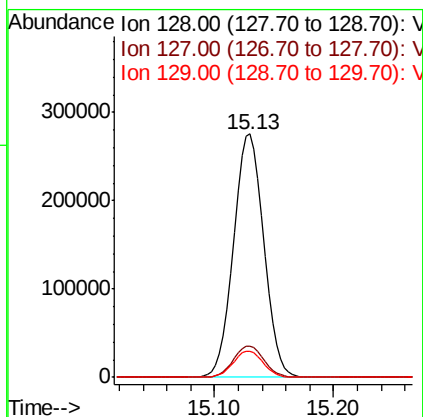
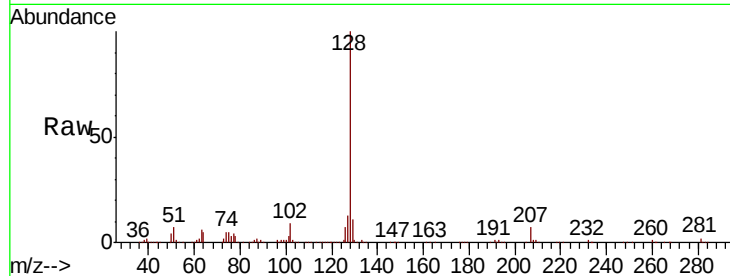




#95
Naphthalene
Concen: 47.867 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.158 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	32.3	16.2	48.5

