

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059471.D
 Acq On : 3 Dec 2019 15:09
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 15:29:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	353458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	561155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	508433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	678516	161.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.02%	
35) Dibromofluoromethane	7.57	113	540020	157.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.40%	
50) Toluene-d8	10.08	98	2108265	153.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.68%	
62) 4-Bromofluorobenzene	12.40	95	774142	161.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	541607	133.293	ug/l	100
3) Chloromethane	2.04	50	728362	143.336	ug/l	100
4) Vinyl Chloride	2.17	62	465548	102.558	ug/l	98
5) Bromomethane	2.52	94	307808	113.342	ug/l	99
6) Chloroethane	2.67	64	276534	107.506	ug/l	100
7) Trichlorofluoromethane	2.99	101	565800	103.414	ug/l	97
8) Diethyl Ether	3.39	74	365381	153.479	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	528388	147.123	ug/l	100
10) Methyl Iodide	3.92	142	731067	155.504	ug/l	99
11) Tert butyl alcohol	4.76	59	624655	850.230	ug/l	100
12) 1,1-Dichloroethene	3.71	96	537653	152.787	ug/l	99
13) Acrolein	3.58	56	561343	805.141	ug/l	99
14) Allyl chloride	4.29	41	1048174	159.182	ug/l	99
15) Acrylonitrile	4.95	53	1686682	823.419	ug/l	100
16) Acetone	3.79	43	1804277	890.123	ug/l	98
17) Carbon Disulfide	4.02	76	1705202	140.942	ug/l	99
18) Methyl Acetate	4.29	43	857907	155.904	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1879089	163.825	ug/l	99
20) Methylene Chloride	4.52	84	607953	149.768	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	593998	154.508	ug/l	99
22) Diisopropyl ether	5.92	45	2029143	165.131	ug/l	96
23) Vinyl Acetate	5.87	43	7760938	778.934	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	1117899	158.504	ug/l	100
25) 2-Butanone	6.81	43	2449320	876.362	ug/l	97
26) 2,2-Dichloropropane	6.80	77	951526	158.316	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	669672	158.761	ug/l	99
28) Bromochloromethane	7.17	49	442764	184.125	ug/l	99
29) Tetrahydrofuran	7.19	42	1546471	832.026	ug/l	100
30) Chloroform	7.35	83	1076225	151.829	ug/l	99
31) Cyclohexane	7.63	56	1060409	150.032	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	928881	160.100	ug/l	99
36) 1,1-Dichloropropene	7.77	75	859033	157.417	ug/l	99
37) Ethyl Acetate	6.90	43	941453	160.004	ug/l	99
38) Carbon Tetrachloride	7.75	117	826552	159.676	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1070635	163.874	ug/l	100
40) Benzene	8.02	78	2482887	153.011	ug/l	98
41) Methacrylonitrile	7.15	41	398899	146.037	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	846779	163.330	ug/l	100
43) Isopropyl Acetate	8.15	43	1519623	170.802	ug/l	100
44) Trichloroethene	8.82	130	640527	155.100	ug/l	100
45) 1,2-Dichloropropane	9.10	63	675208	159.027	ug/l	100
46) Dibromomethane	9.19	93	421784	160.713	ug/l	100
47) Bromodichloromethane	9.39	83	863361	162.603	ug/l	99
48) Methyl methacrylate	9.18	41	690494	174.493	ug/l	99
49) 1,4-Dioxane	9.19	88	194335	3461.824	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3986972	766.804	ug/l	92
52) Toluene	10.15	92	1531611	157.808	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	1027924	168.303	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	1097222	167.054	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	601437	157.670	ug/l	99
56) Ethyl methacrylate	10.42	69	1008767	181.100	ug/l	100
57) 1,3-Dichloropropane	10.70	76	1051700	160.107	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1783321	1110.397	ug/l	99
59) 2-Hexanone	10.75	43	3149710	814.834	ug/l	94
60) Dibromochloromethane	10.90	129	676782	170.629	ug/l	100
61) 1,2-Dibromoethane	11.00	107	643067	164.526	ug/l	100
64) Tetrachloroethene	10.63	164	606451	159.135	ug/l	99
65) Chlorobenzene	11.43	112	1603789	154.110	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	601362	159.156	ug/l	99
67) Ethyl Benzene	11.51	91	2814848	153.584	ug/l	95
68) m/p-Xylenes	11.62	106	2182157	318.149	ug/l	90
69) o-Xylene	11.95	106	1052682	160.696	ug/l	96
70) Styrene	11.96	104	1766600	171.967	ug/l	99
71) Bromoform	12.13	173	496823	171.828	ug/l #	100
73) Isopropylbenzene	12.25	105	2710166	148.798	ug/l	98
74) N-amyl acetate	12.07	43	1242709	178.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	877904	146.860	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1223102	216.739	ug/l #	100
77) Bromobenzene	12.53	156	674093	151.227	ug/l	99
78) n-propylbenzene	12.59	91	3122341	148.394	ug/l	96
79) 2-Chlorotoluene	12.67	91	1914272	152.318	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2318004	151.390	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	357546	163.552	ug/l	97
82) 4-Chlorotoluene	12.77	91	1989037	153.641	ug/l	99
83) tert-Butylbenzene	12.99	119	1995673	151.348	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2307612	153.781	ug/l	98
85) sec-Butylbenzene	13.17	105	2653672	151.749	ug/l	98
86) p-Isopropyltoluene	13.29	119	2429002	153.781	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1207539	152.947	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1200125	151.201	ug/l	100
89) n-Butylbenzene	13.62	91	2228338	161.141	ug/l	97
90) Hexachloroethane	13.88	117	464856	153.646	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1153262	149.065	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	192804	142.004	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Dec 03 14:48:54 2019
Response via : Initial Calibration

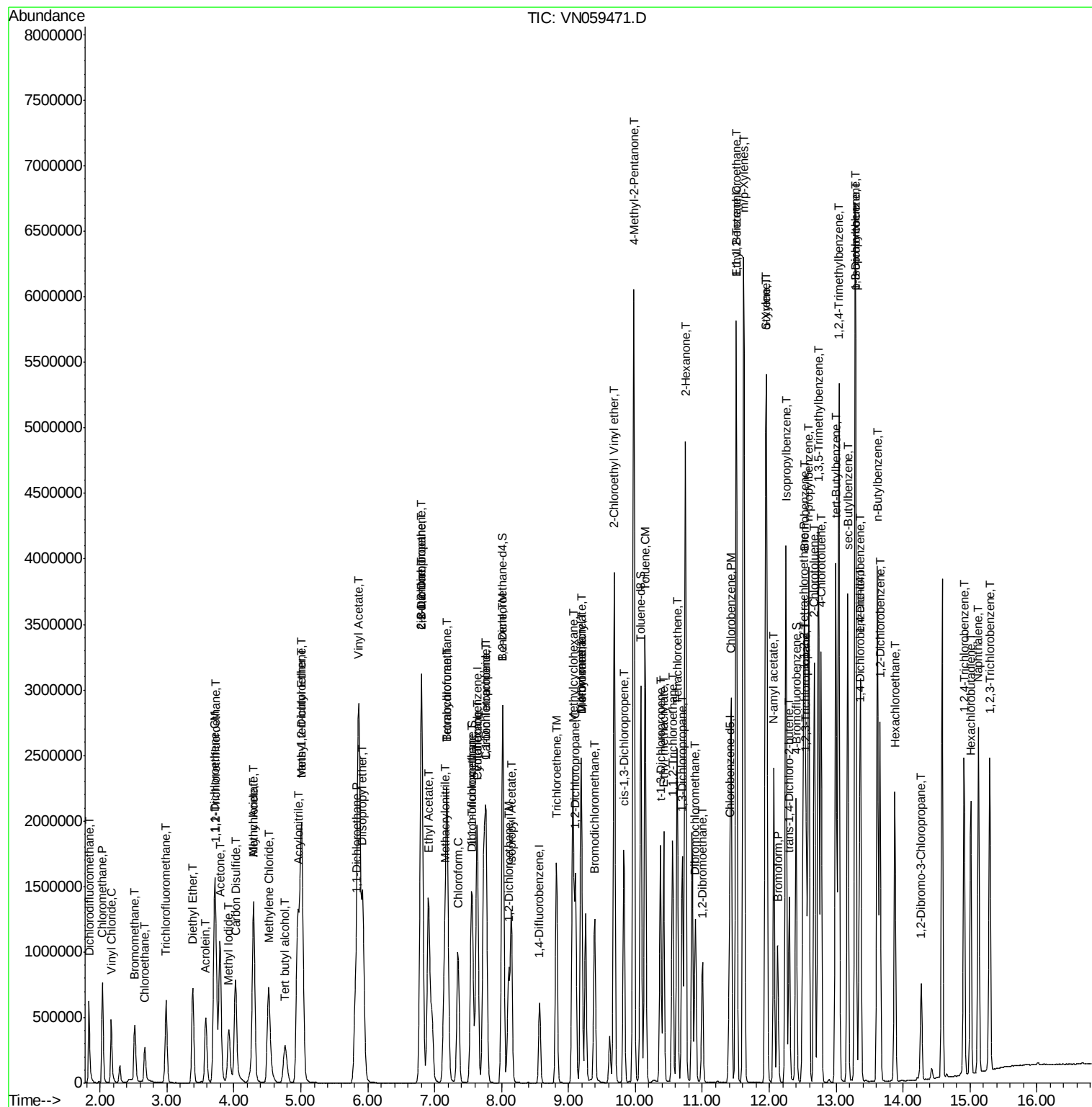
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	780918	163.953	ug/l	99
94) Hexachlorobutadiene	15.01	225	414600	140.646	ug/l	98
95) Naphthalene	15.13	128	2136345	157.416	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	778161	153.538	ug/l	99

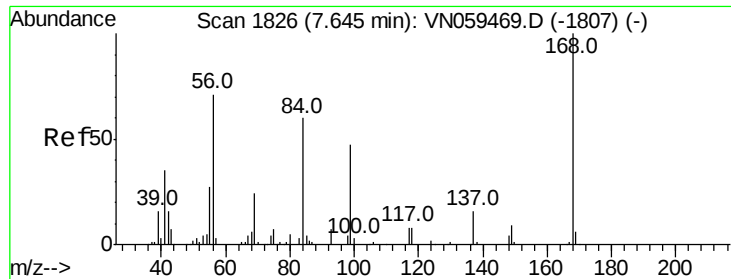
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120319\
Data File : VN059471.D
Acq On : 3 Dec 2019 15:09
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Quant Title : SW846 8260
QLast Update : Tue Dec 03 14:48:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

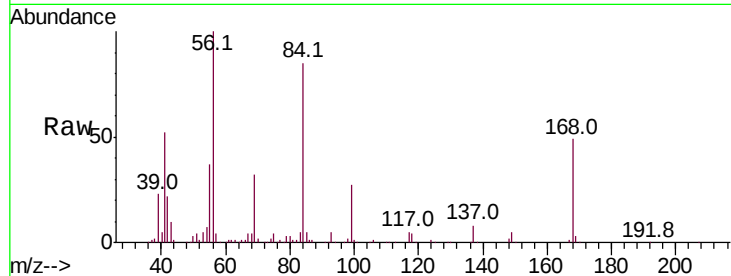
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 353458

Ion Ratio Lower Upper

168 100

99 54.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

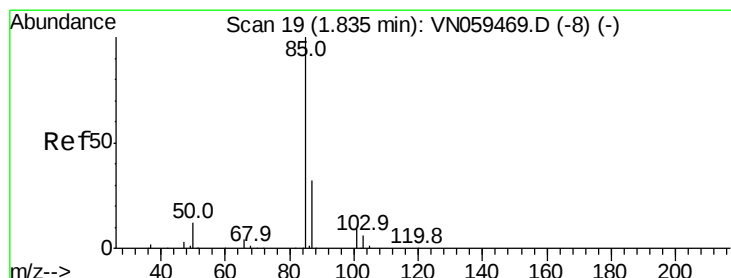
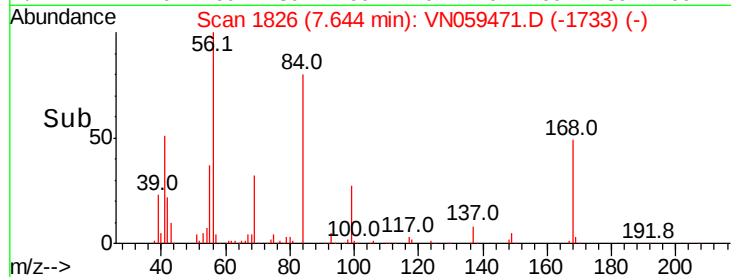
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 133.293 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059471.D

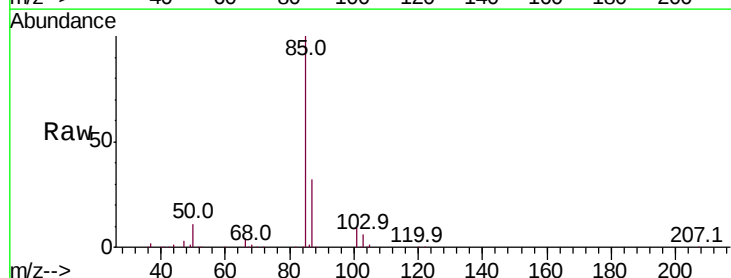
Acq: 3 Dec 2019 15:09

Tgt Ion: 85 Resp: 541607

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

200000

100000

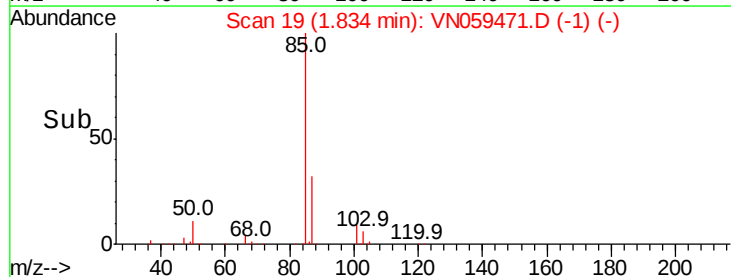
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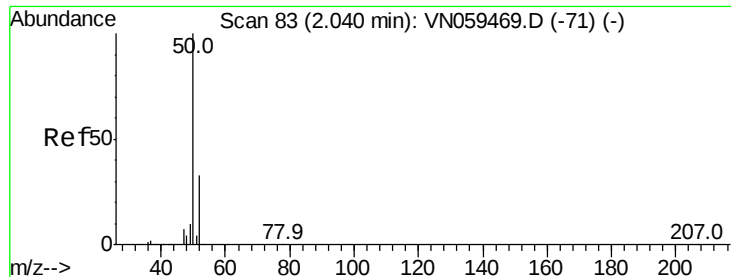
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 143.336 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

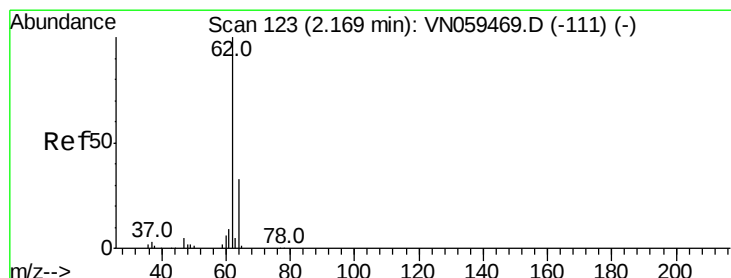
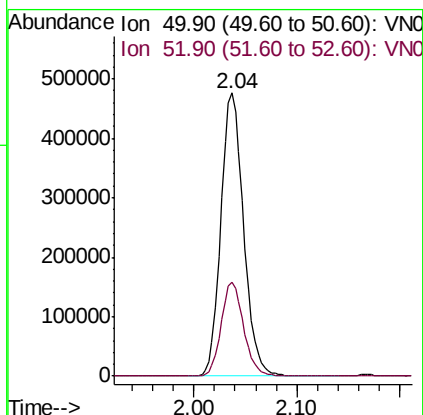
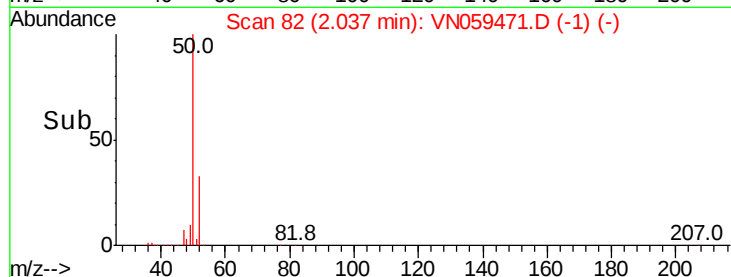
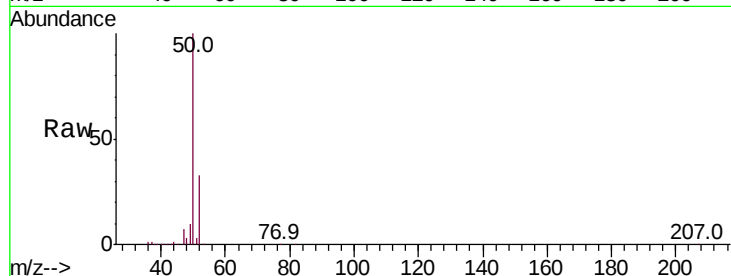
ClientSampleId :

Tot Ion: 50 Resp: 728362

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 102.558 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059471.D

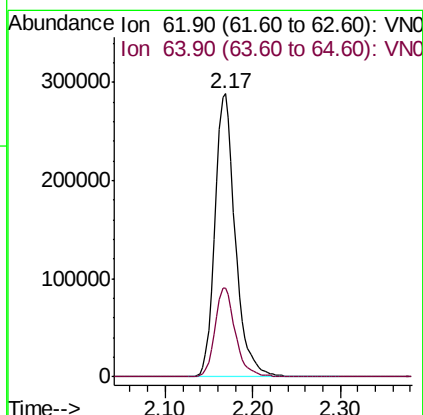
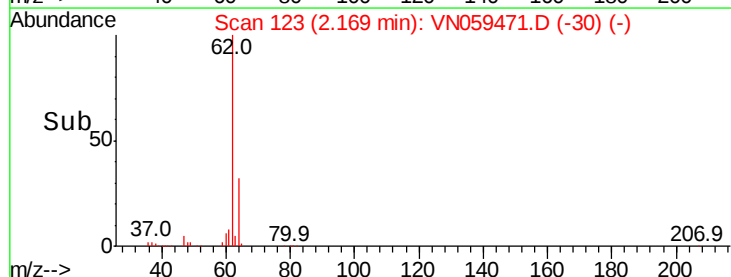
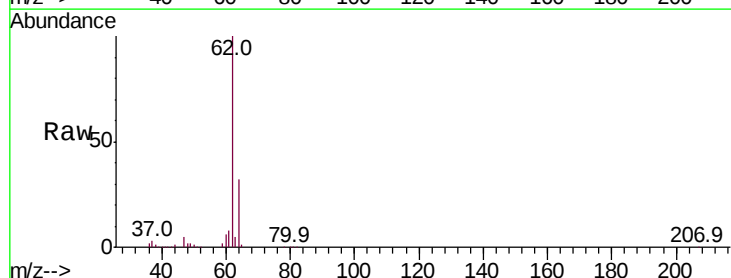
Acq: 3 Dec 2019 15:09

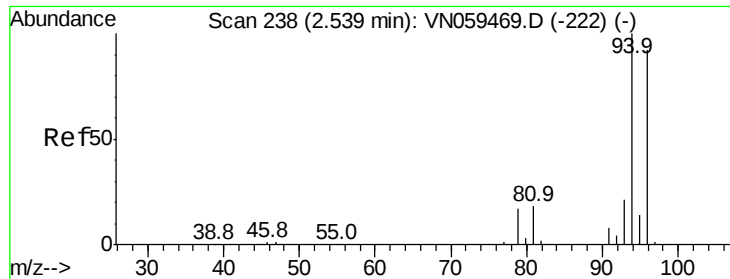
Tgt Ion: 62 Resp: 465548

Ion Ratio Lower Upper

62 100

64 31.6 26.0 39.0





#5

Bromomethane

Concen: 113.342 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

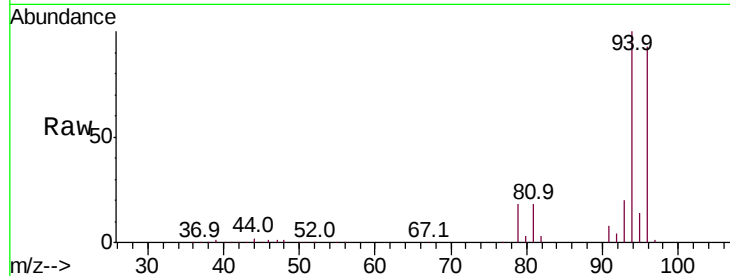
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 307808

Ion Ratio Lower Upper

94 100

96 93.2 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN059469.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059469.D (-222) (-)

2.52

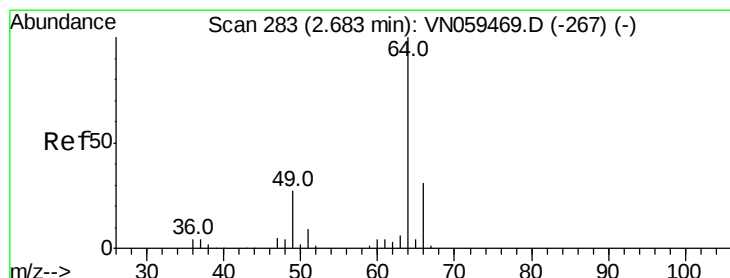
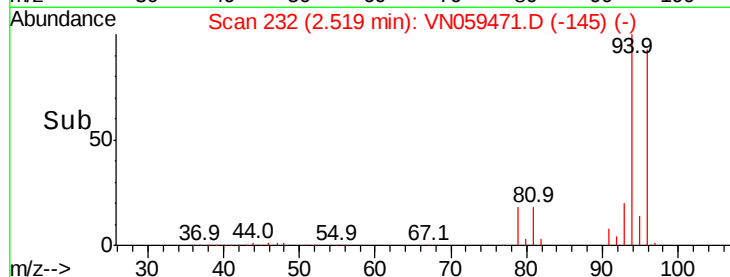
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 107.506 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN059471.D

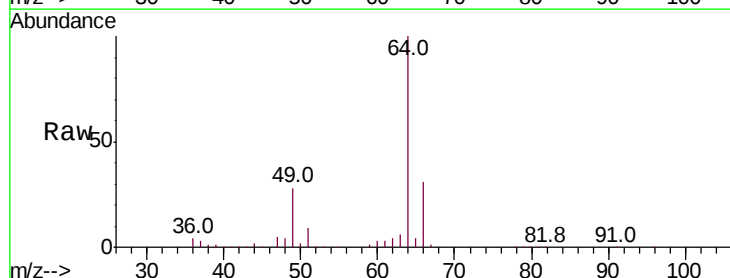
Acq: 3 Dec 2019 15:09

Tgt Ion: 64 Resp: 276534

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059469.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN059469.D (-267) (-)

2.67

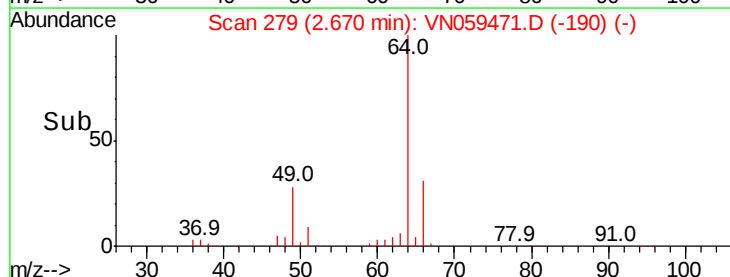
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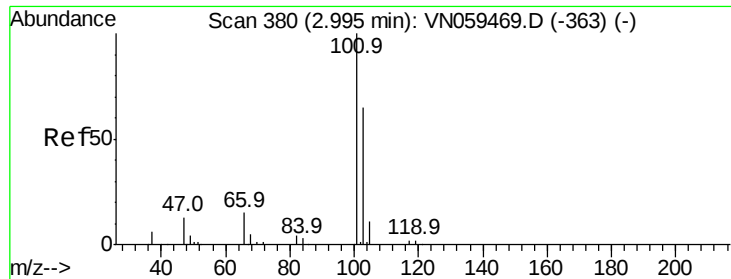
100000

50000

0

Time-->



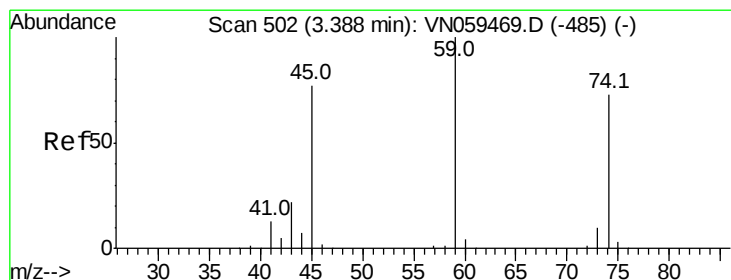
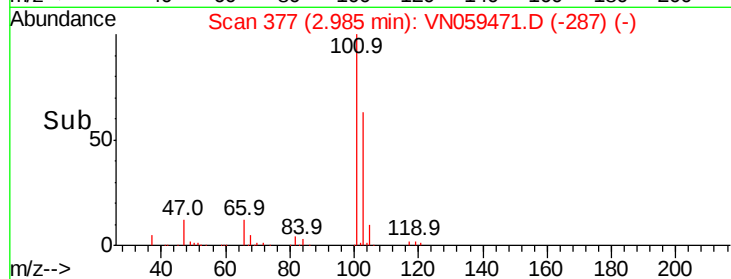
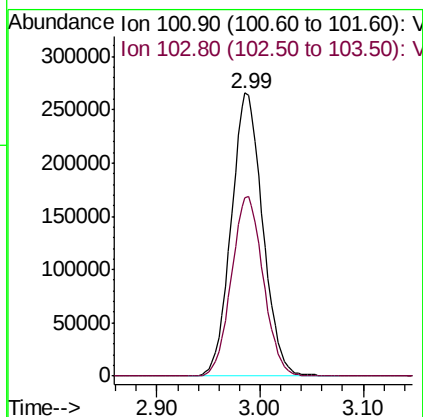
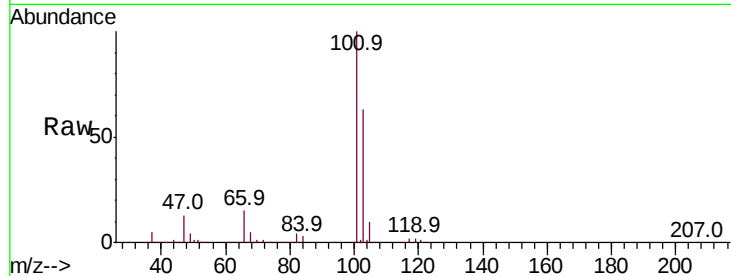


#7

Trichlorofluoromethane
 Concen: 103.414 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

Instrument :
 MSVOA_N
 ClientSampled :

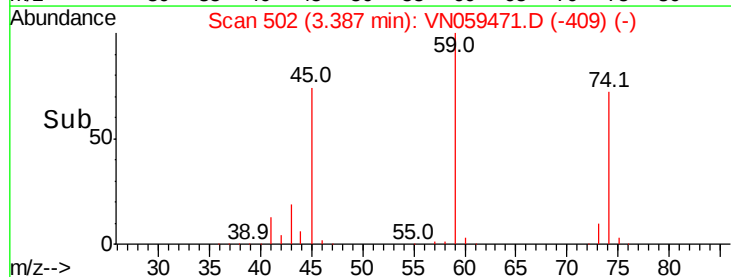
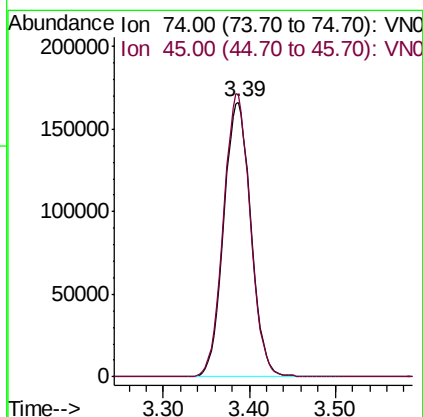
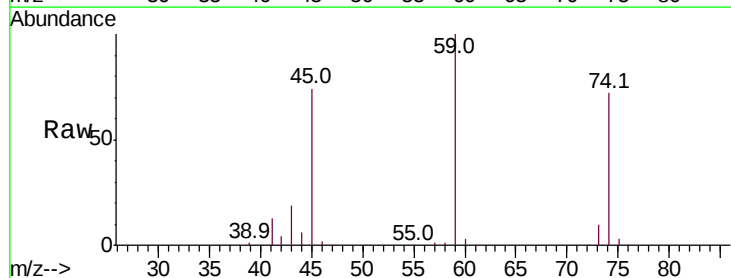
Tot Ion:101 Resp: 565800
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.4 78.6

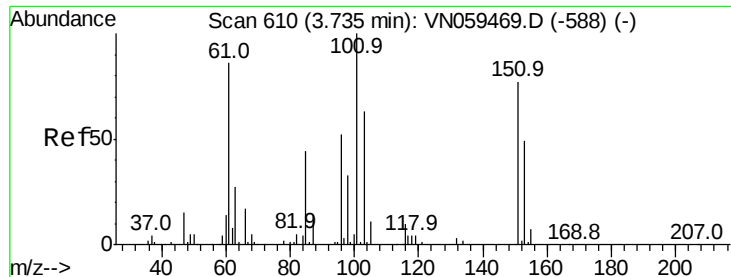


#8

Diethyl Ether
 Concen: 153.479 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

Tgt Ion: 74 Resp: 365381
 Ion Ratio Lower Upper
 74 100
 45 101.7 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.123 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

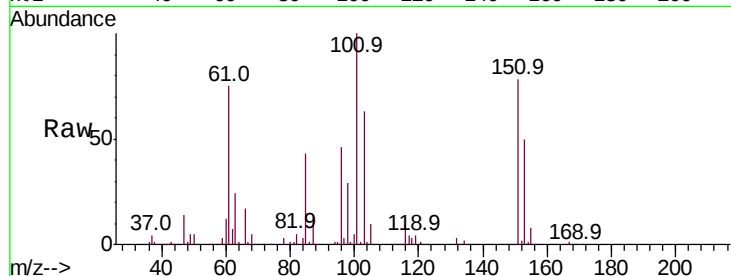
Tot Ion:101 Resp: 528388

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

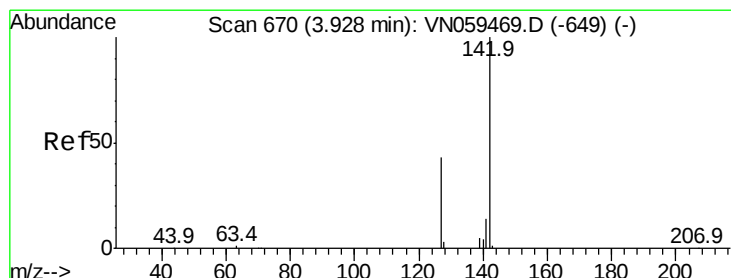
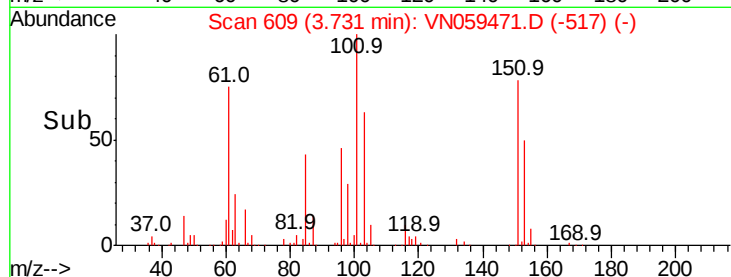
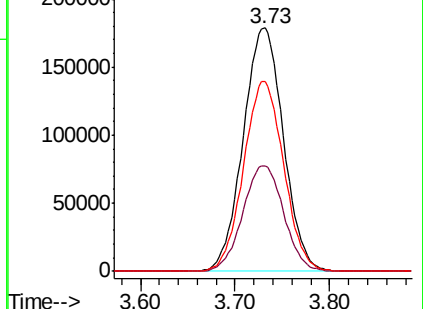
151 77.8 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 155.504 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

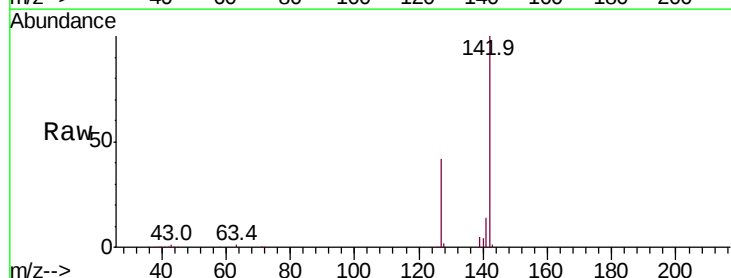
Tgt Ion:142 Resp: 731067

Ion Ratio Lower Upper

142 100

127 42.2 34.6 52.0

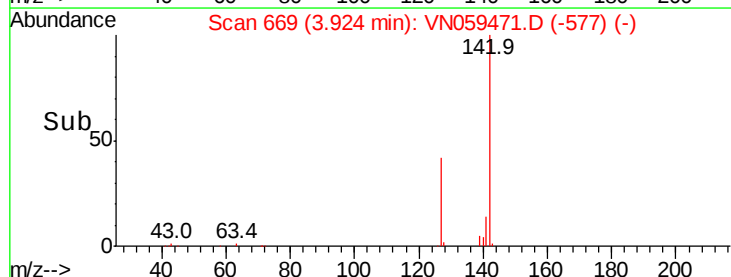
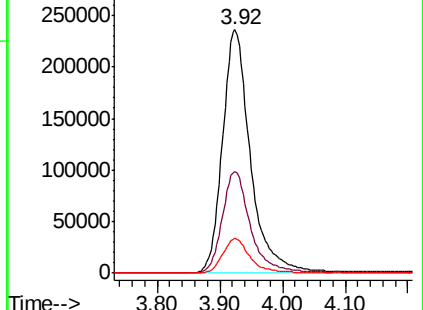
141 14.1 11.4 17.0

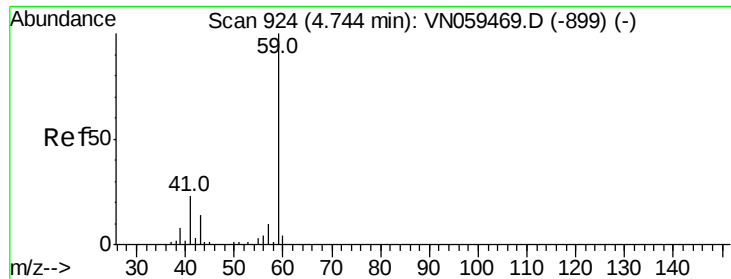


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

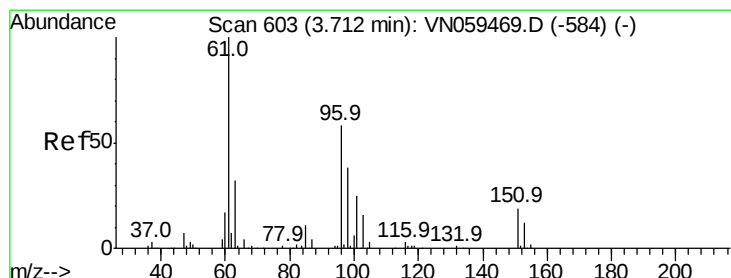
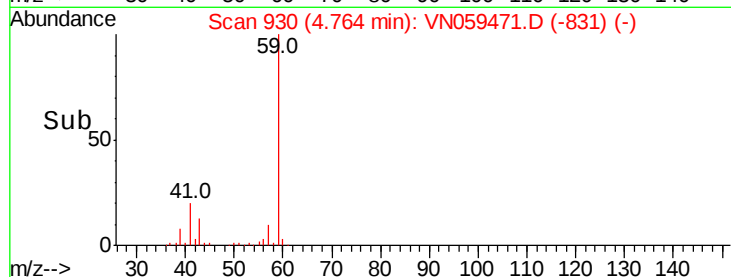
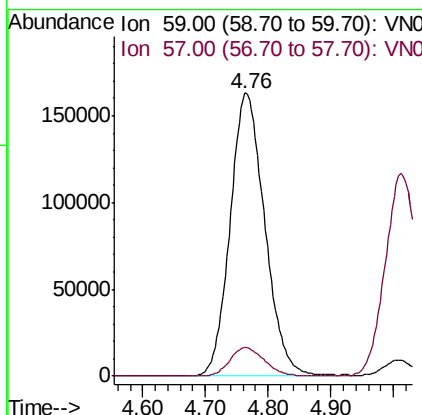
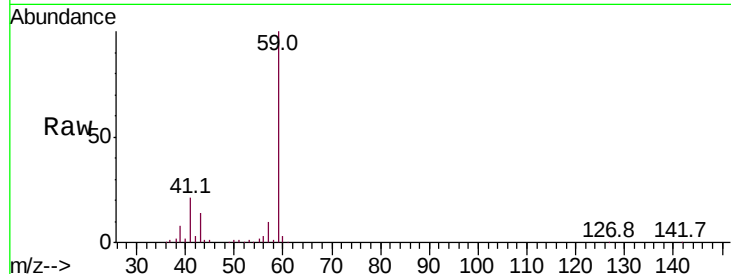




#11
Tert butyl alcohol
Concen: 850.230 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.02 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

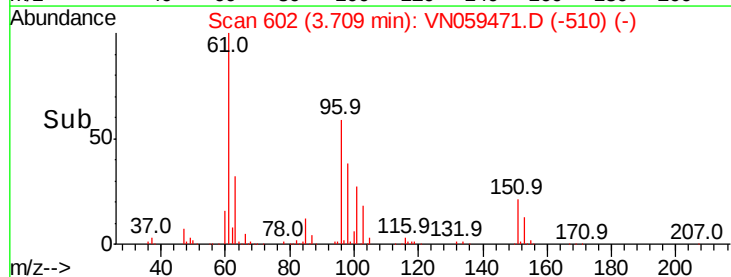
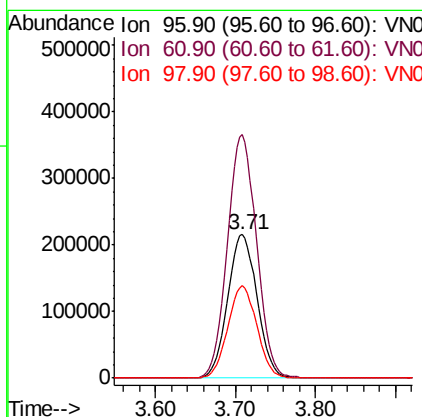
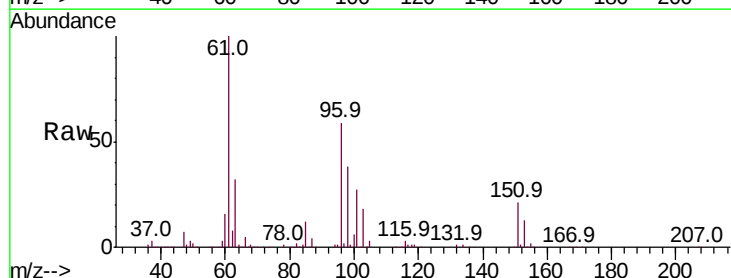
Instrument :
MSVOA_N
ClientSampled :

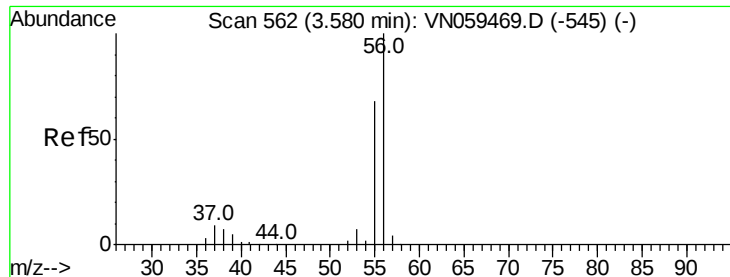
Tot Ion: 59 Resp: 624655
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#12
1,1-Dichloroethene
Concen: 152.787 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 96 Resp: 537653
Ion Ratio Lower Upper
96 100
61 169.9 137.1 205.7
98 64.3 52.4 78.6

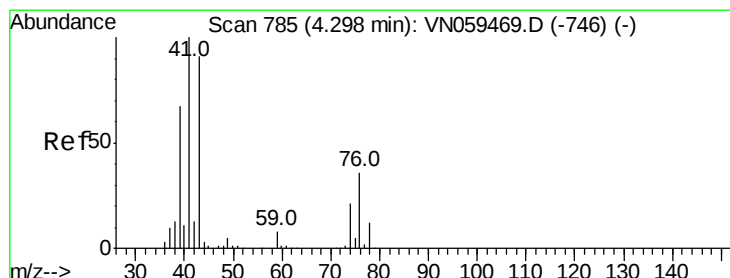
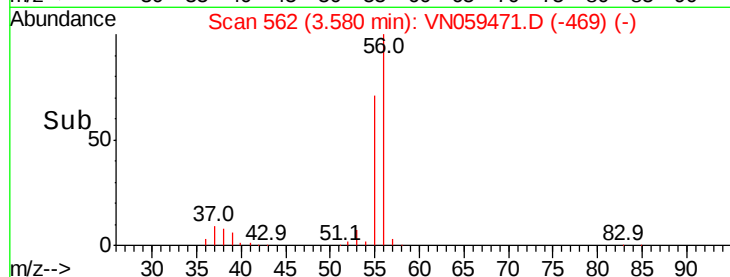
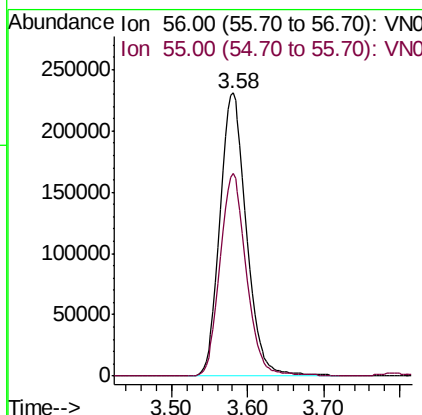
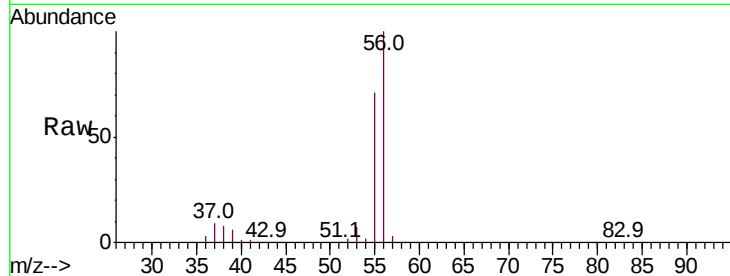




#13
Acrolein
Concen: 805.141 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

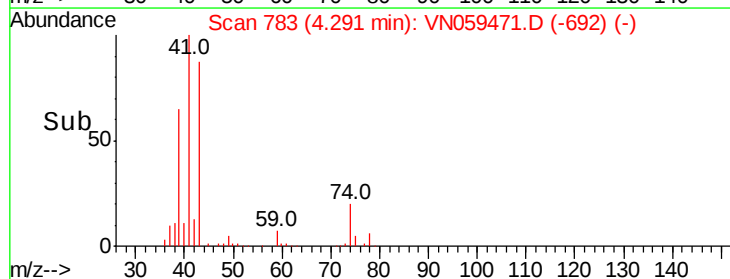
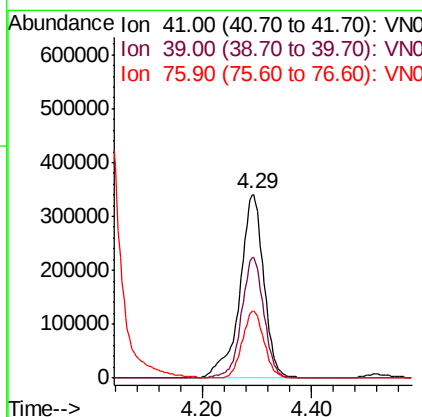
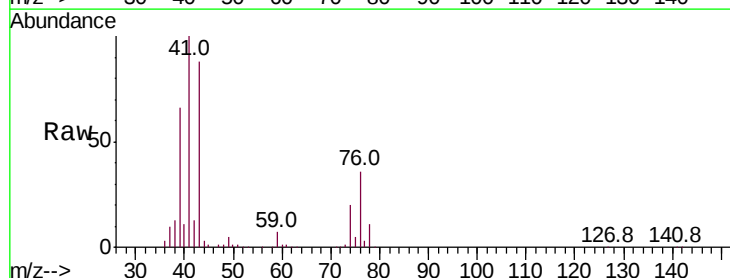
Instrument :
MSVOA_N
ClientSampled :

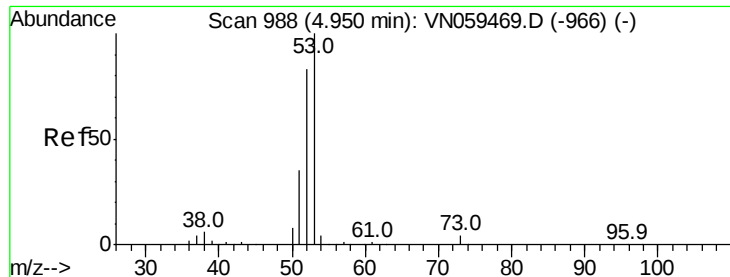
Tot Ion: 56 Resp: 561343
Ion Ratio Lower Upper
56 100
55 71.1 56.5 84.7



#14
Allyl chloride
Concen: 159.182 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 41 Resp: 1048174
Ion Ratio Lower Upper
41 100
39 61.0 49.3 73.9
76 33.0 25.6 38.4





#15

Acrylonitrile

Concen: 823.419 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

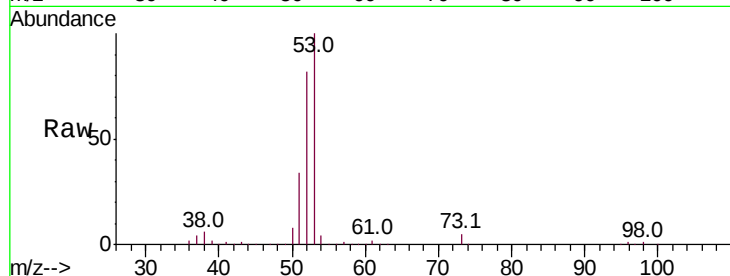
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1686682

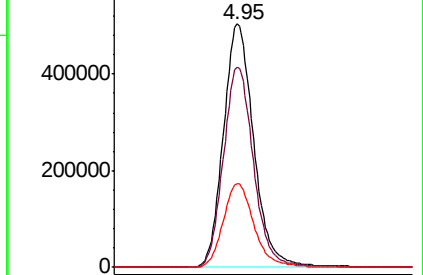
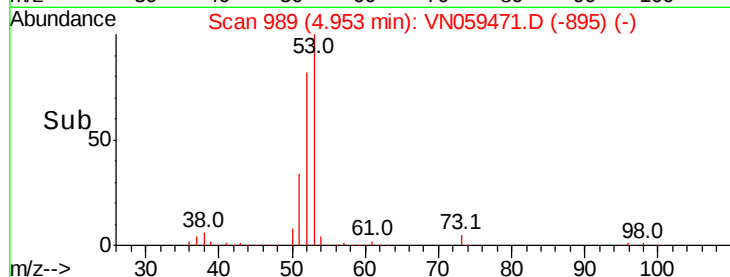
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.5	98.3
51	35.2	28.5	42.7



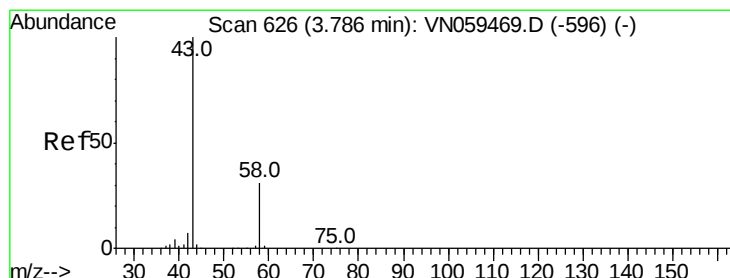
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 890.123 ug/l

RT: 3.79 min Scan# 628

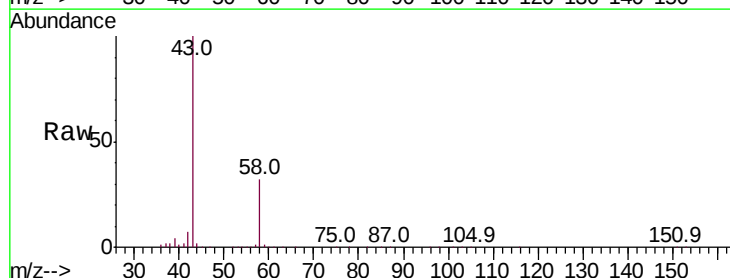
Delta R.T. 0.01 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

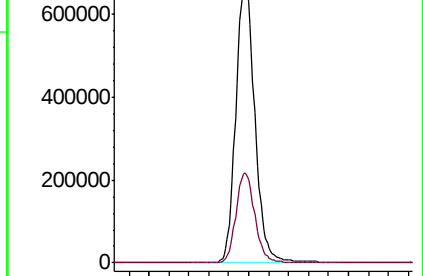
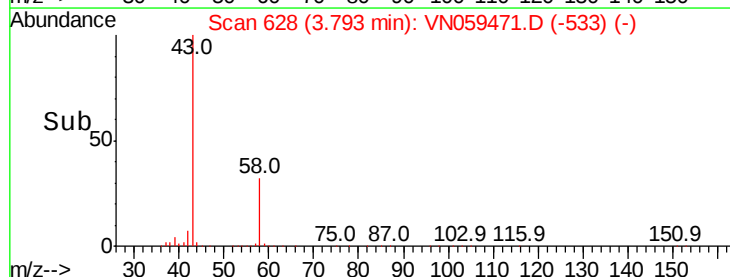
Tgt Ion: 43 Resp: 1804277

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.9	37.3

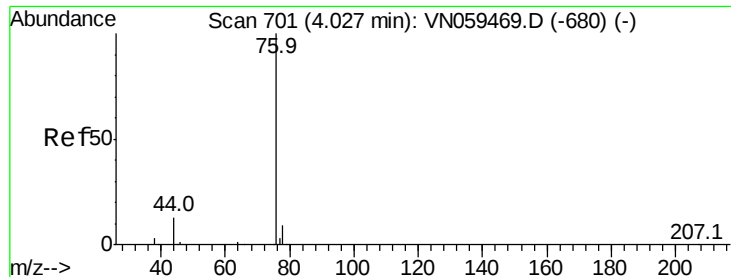


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



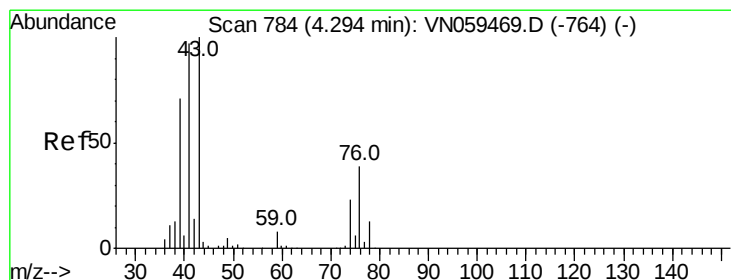
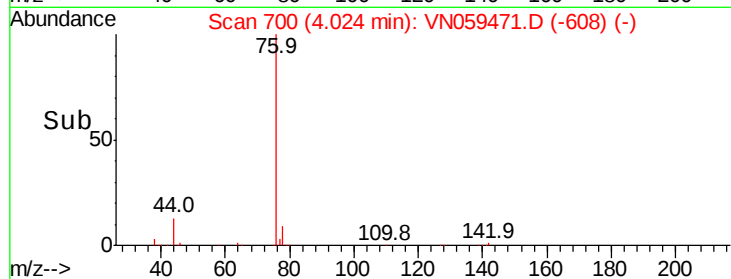
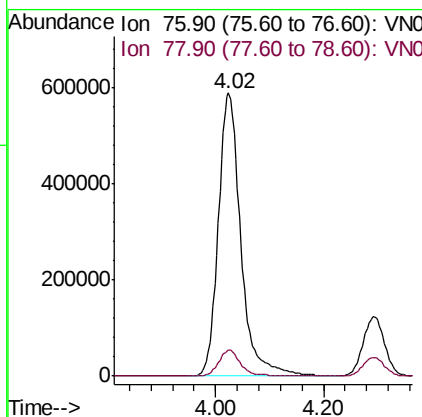
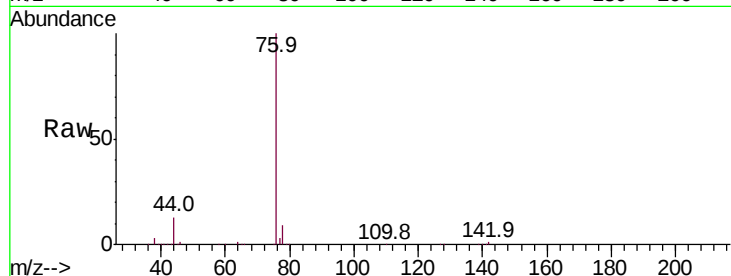
Time-->



#17
Carbon Disulfide
Concen: 140.942 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

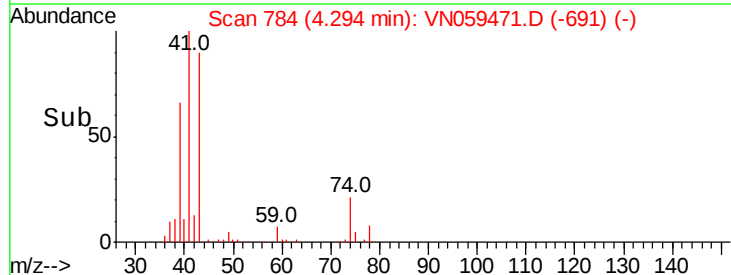
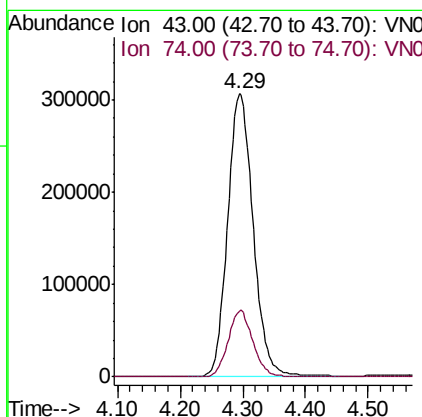
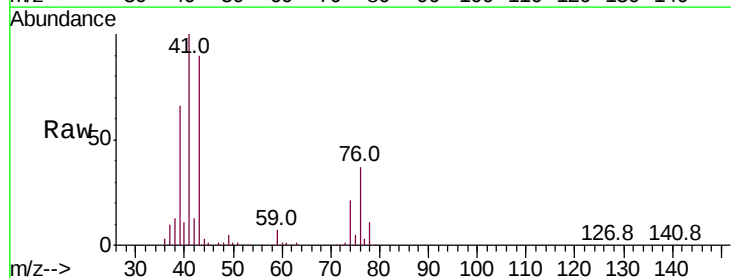
Instrument :
MSVOA_N
ClientSampleId :

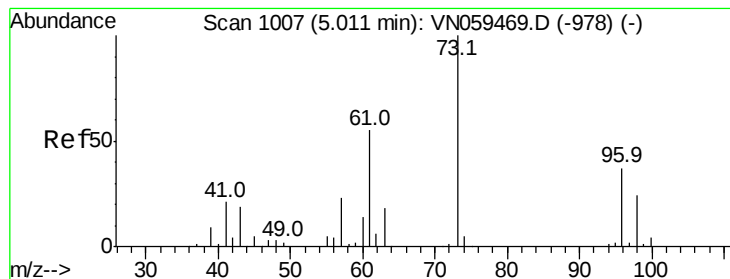
Tot Ion: 76 Resp: 1705202
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 155.904 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 43 Resp: 857907
Ion Ratio Lower Upper
43 100
74 23.1 18.3 27.5



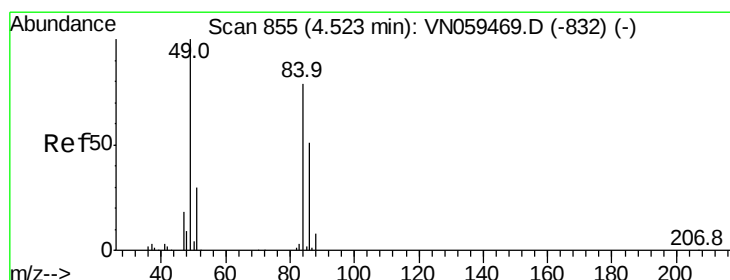
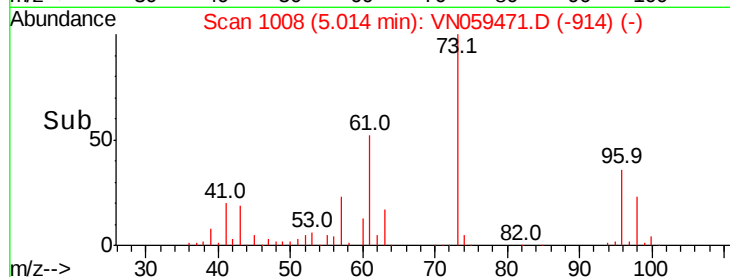
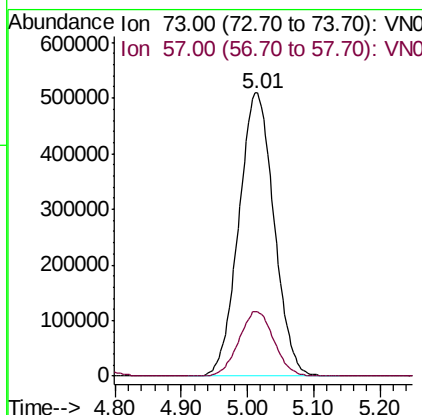
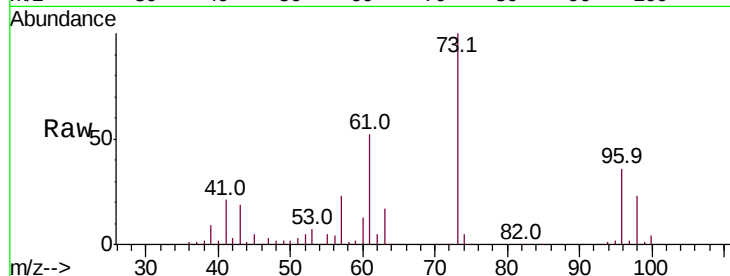


#19

Methyl tert-butyl Ether
 Concen: 163.825 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

Instrument :
 MSVOA_N
 ClientSampleId :

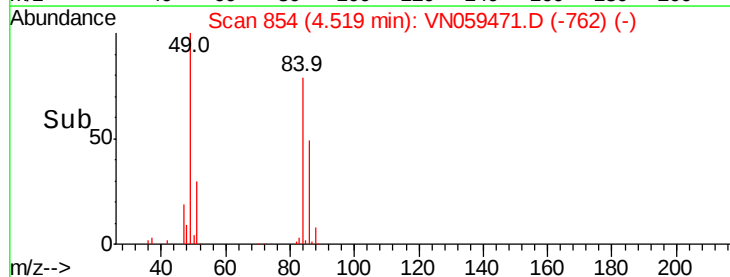
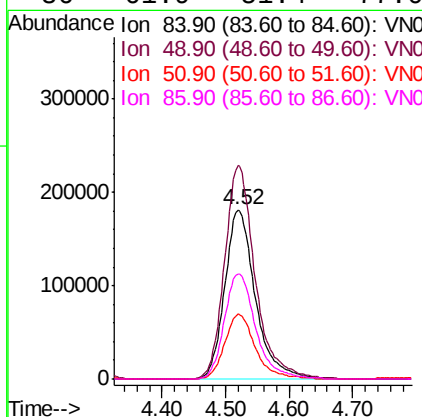
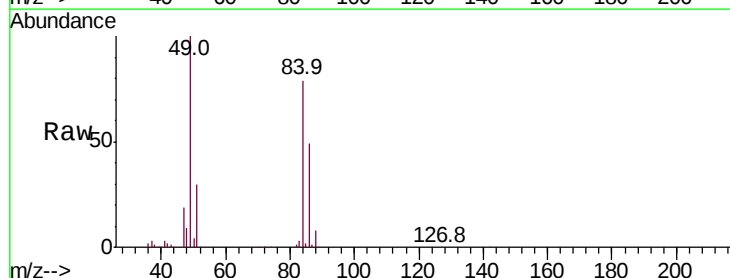
Tot Ion: 73 Resp: 1879089
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.0 27.0

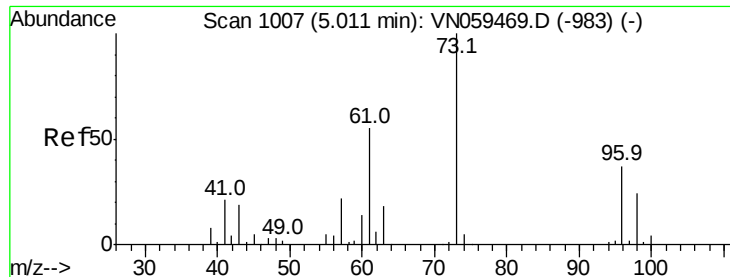


#20

Methylene Chloride
 Concen: 149.768 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

Tgt Ion: 84 Resp: 607953
 Ion Ratio Lower Upper
 84 100
 49 126.0 101.1 151.7
 51 38.2 30.7 46.1
 86 61.9 51.4 77.0

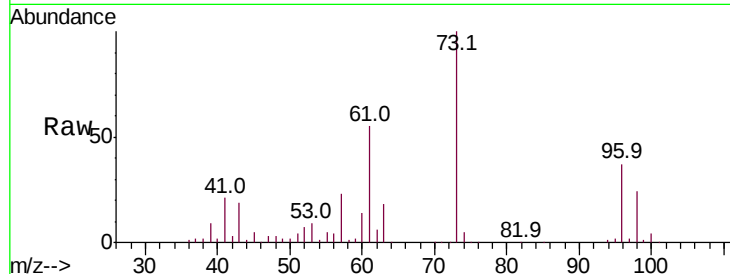




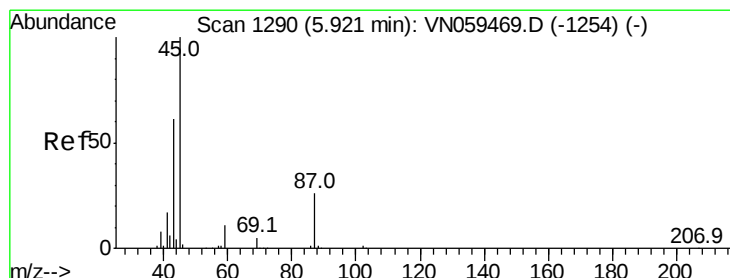
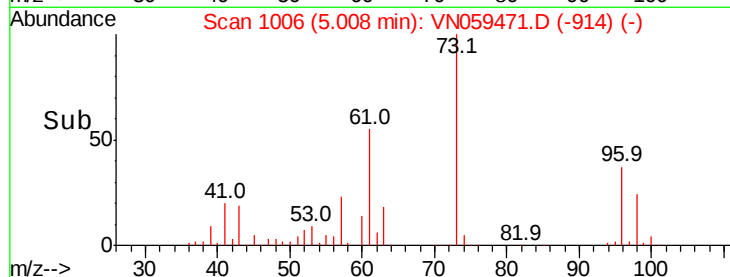
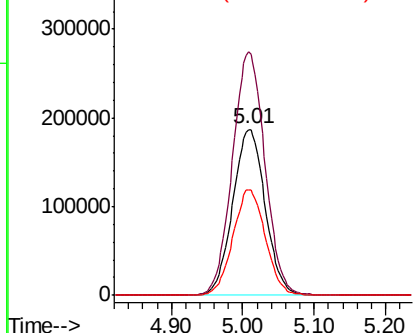
#21
trans-1,2-Dichloroethene
Concen: 154.508 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 593998
Ion Ratio Lower Upper
96 100
61 146.8 118.9 178.3
98 63.9 51.6 77.4

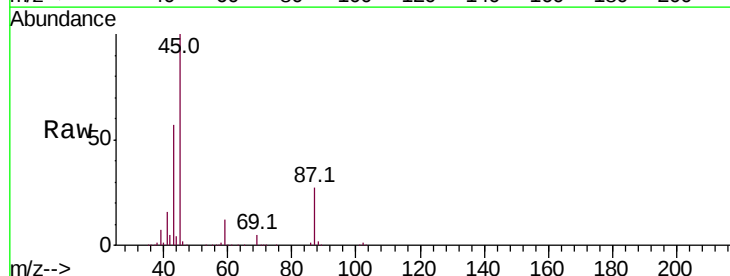


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

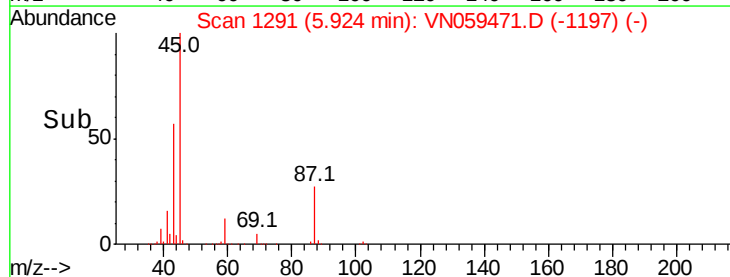
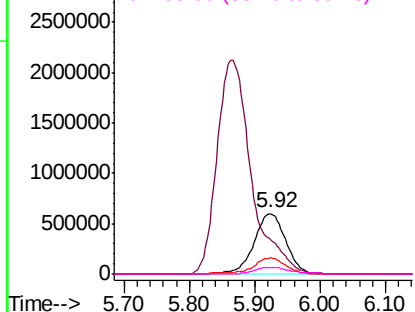


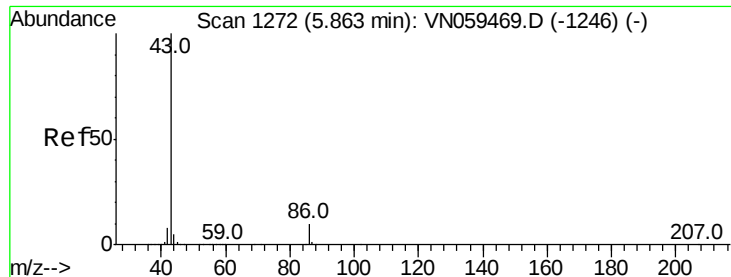
#22
Diisopropyl ether
Concen: 165.131 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 45 Resp: 2029143
Ion Ratio Lower Upper
45 100
43 56.1 49.1 73.7
87 26.7 21.6 32.4
59 11.3 9.0 13.4



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





#23

Vinyl Acetate

Concen: 778.934 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

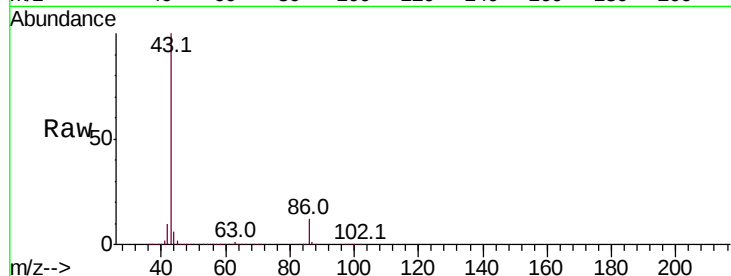
ClientSampleId :

Tot Ion: 43 Resp: 7760938

Ion Ratio Lower Upper

43 100

86 12.3 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VN059471.D (-1179) (-)

Ion 86.00 (85.70 to 86.70): VN059471.D (-1179) (-)

2500000

2000000

1500000

1000000

500000

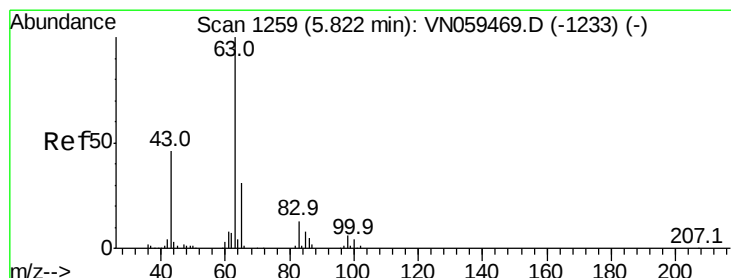
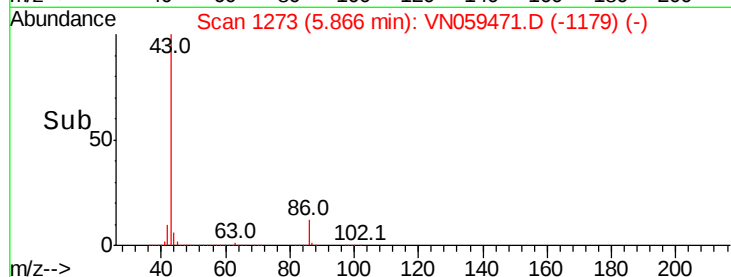
0

5.87

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 158.504 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

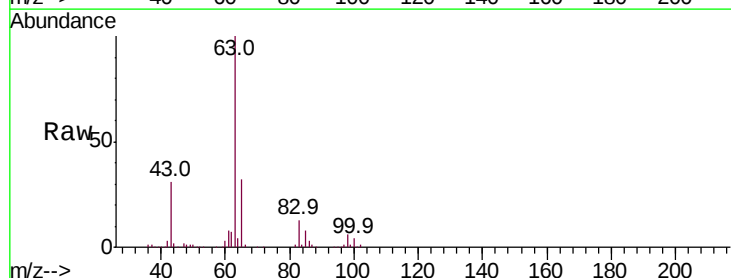
Tgt Ion: 63 Resp: 1117899

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059471.D (-1166) (-)

Ion 97.90 (97.60 to 98.60): VN059471.D (-1166) (-)

Ion 99.90 (99.60 to 100.60): VN059471.D (-1166) (-)

400000

300000

200000

100000

0

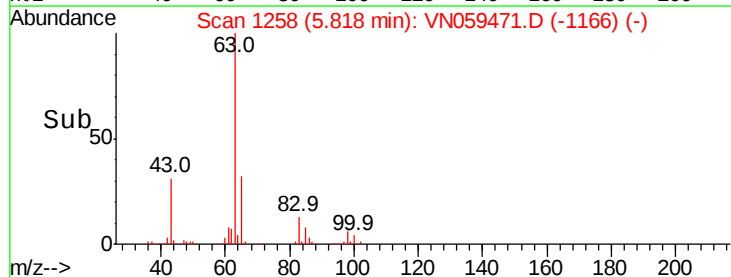
5.82

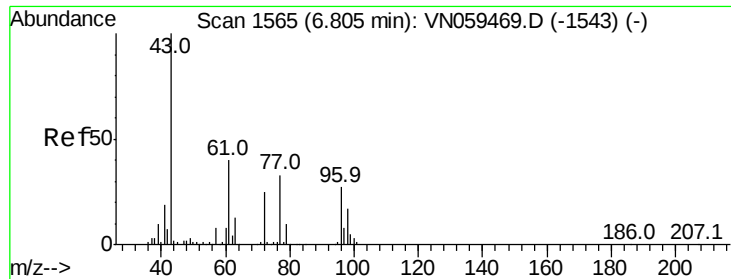
5.70

5.90

6.00

Time-->





#25

2-Butanone

Concen: 876.362 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

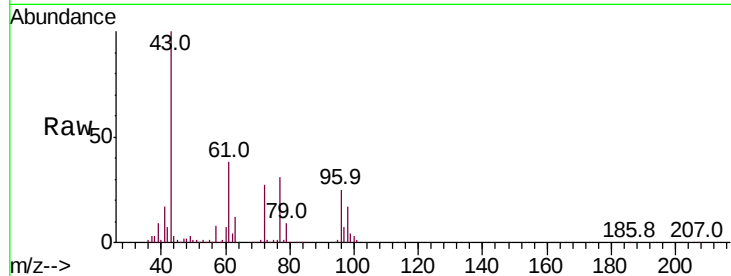
ClientSampled :

Tot Ion: 43 Resp: 2449320

Ion Ratio Lower Upper

43 100

72 26.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

800000

600000

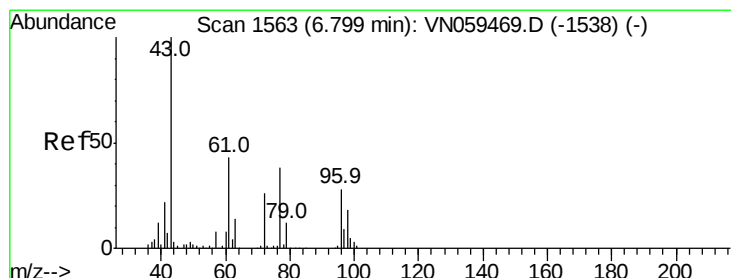
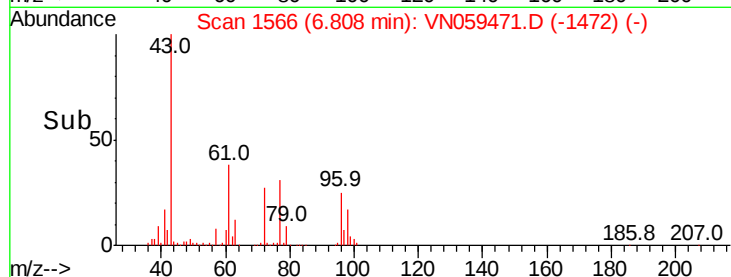
400000

200000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 158.316 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059471.D

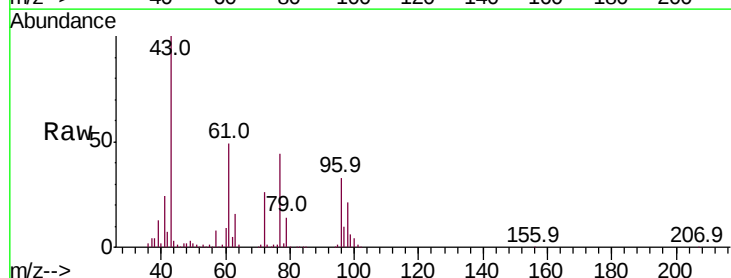
Acq: 3 Dec 2019 15:09

Tgt Ion: 77 Resp: 951526

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

300000

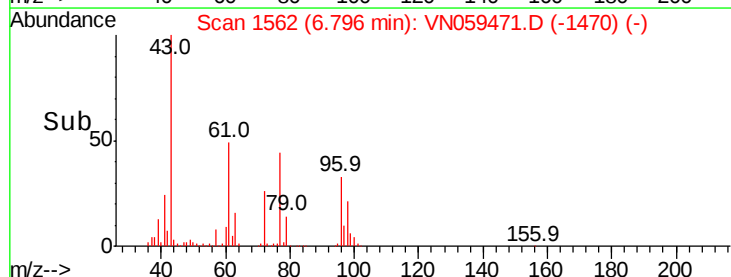
200000

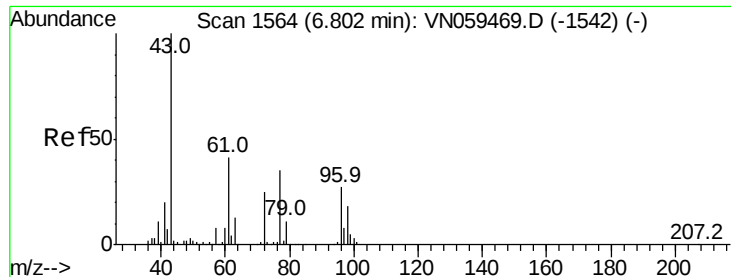
100000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 158.761 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

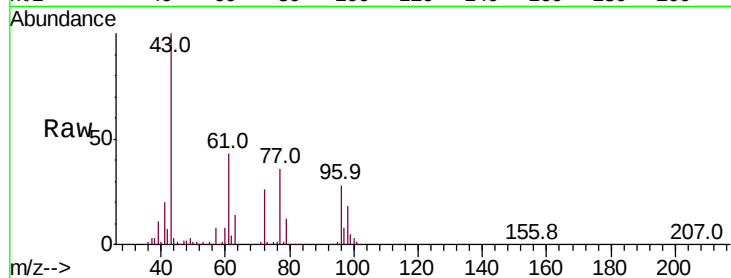
Tot Ion: 96 Resp: 669672

Ion Ratio Lower Upper

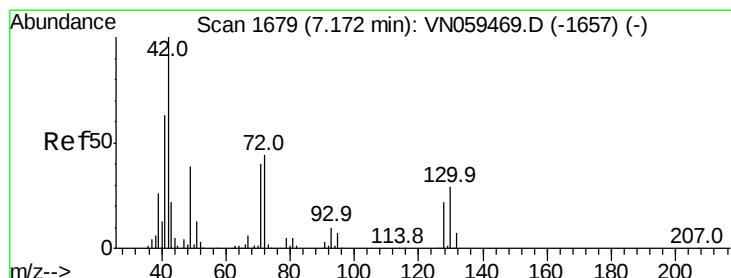
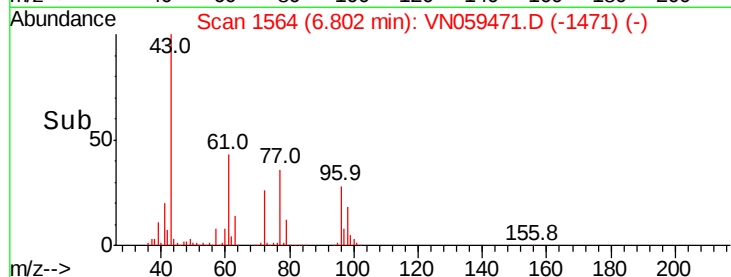
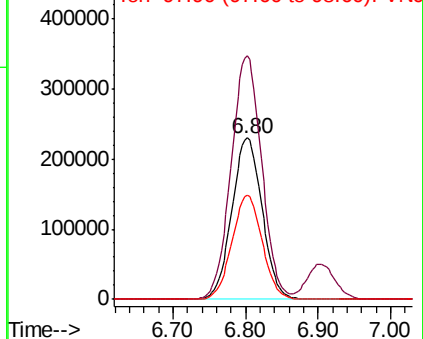
96 100

61 152.0 0.0 307.4

98 64.3 0.0 129.2



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



#28

Bromochloromethane

Concen: 184.125 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

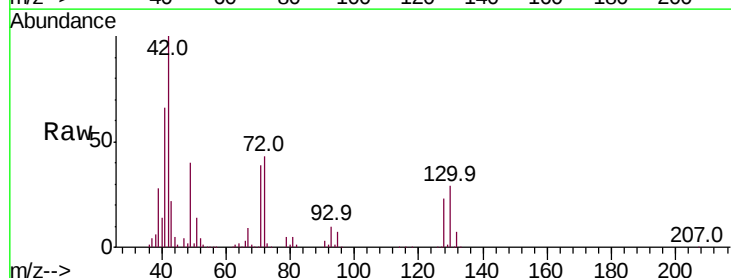
Tgt Ion: 49 Resp: 442764

Ion Ratio Lower Upper

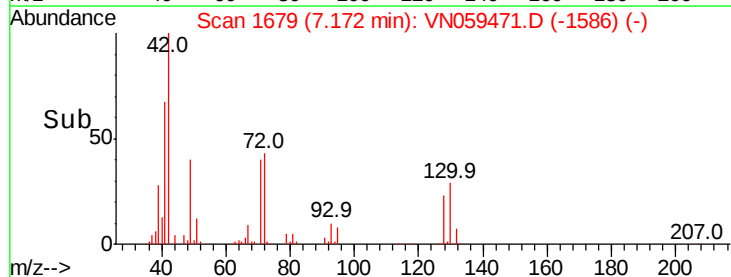
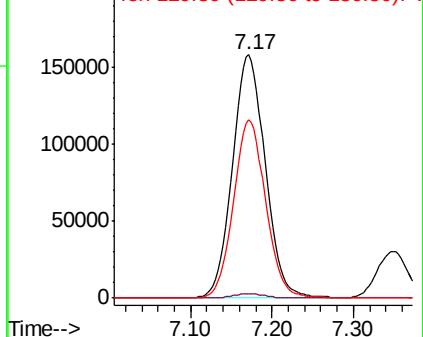
49 100

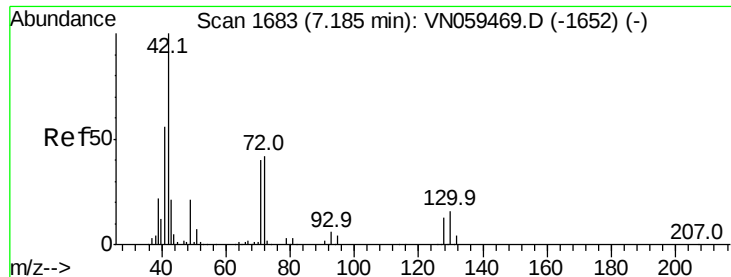
129 1.8 0.0 3.2

130 71.9 58.4 87.6



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

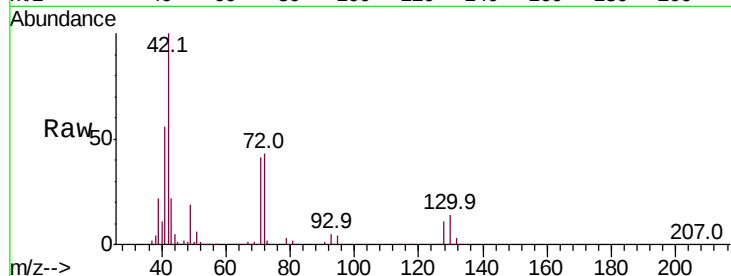




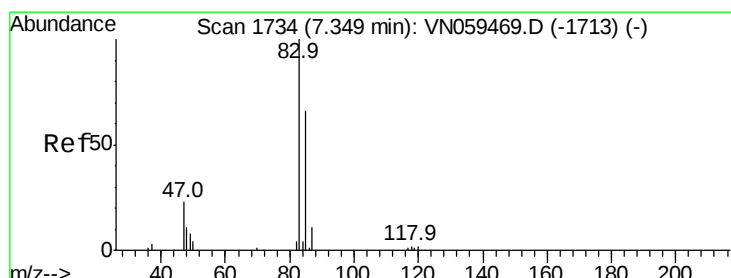
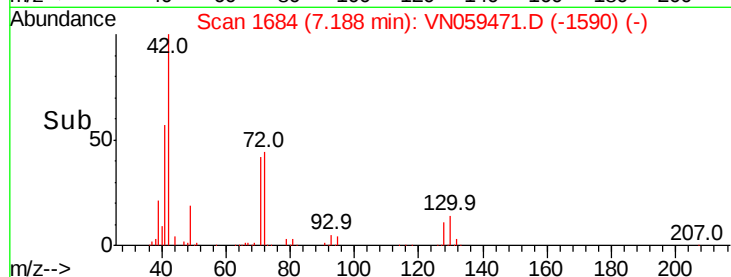
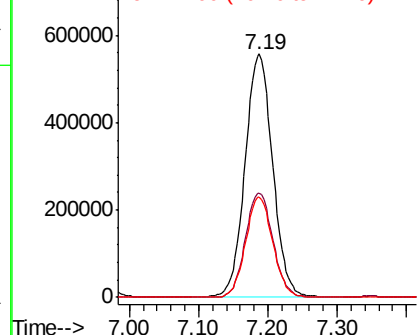
#29
Tetrahydrofuran
Concen: 832.026 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1546471
Ion Ratio Lower Upper
42 100
72 42.7 34.2 51.2
71 40.5 32.0 48.0

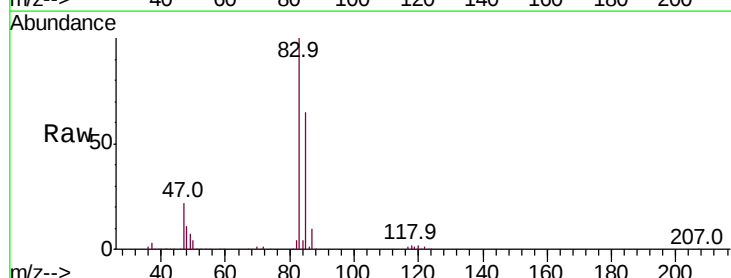


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

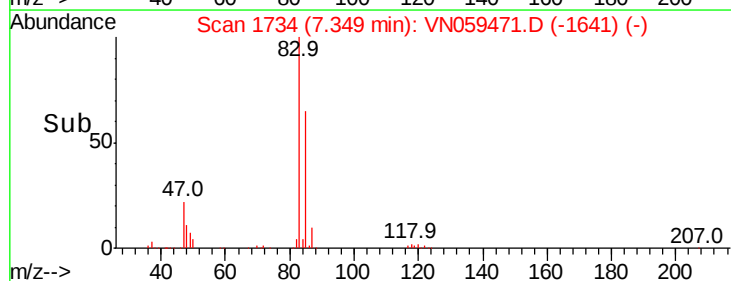
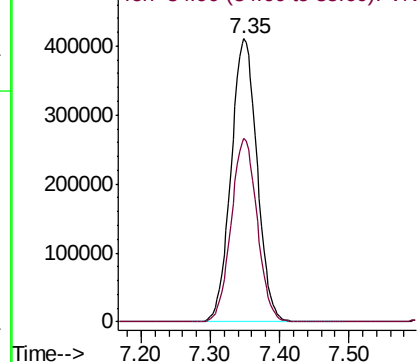


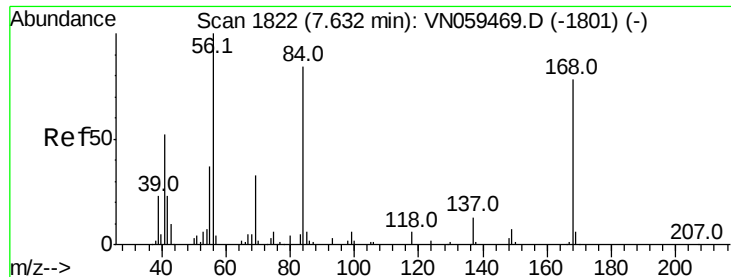
#30
Chloroform
Concen: 151.829 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 83 Resp: 1076225
Ion Ratio Lower Upper
83 100
85 64.9 52.4 78.6



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





#31

Cyclohexane

Concen: 150.032 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

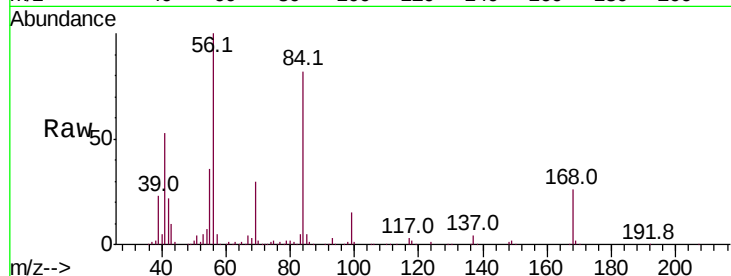
Tot Ion: 56 Resp: 1060409

Ion Ratio Lower Upper

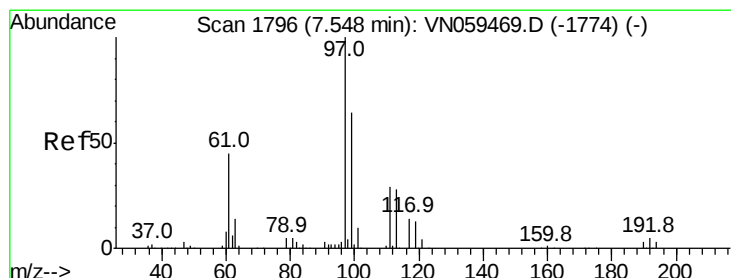
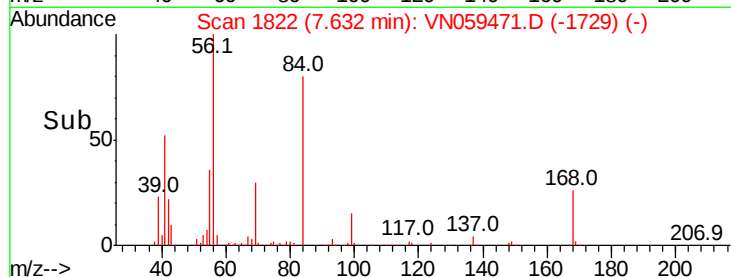
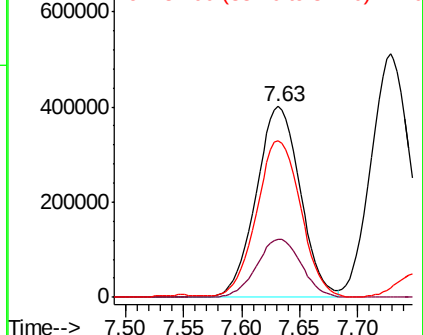
56 100

69 30.1 26.2 39.4

84 81.1 66.8 100.2



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



#32

1,1,1-Trichloroethane

Concen: 160.100 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

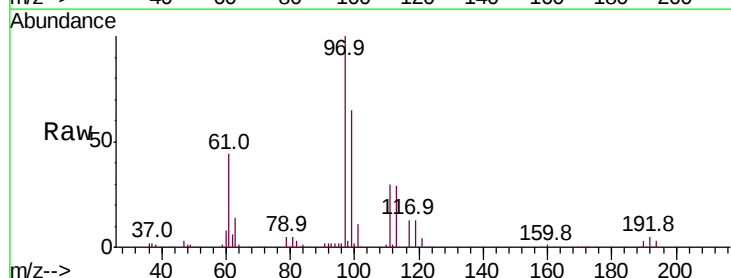
Tgt Ion: 97 Resp: 928881

Ion Ratio Lower Upper

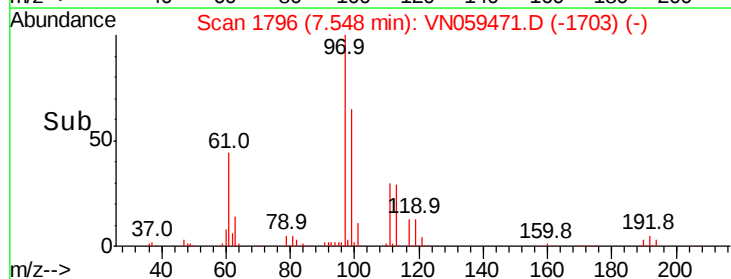
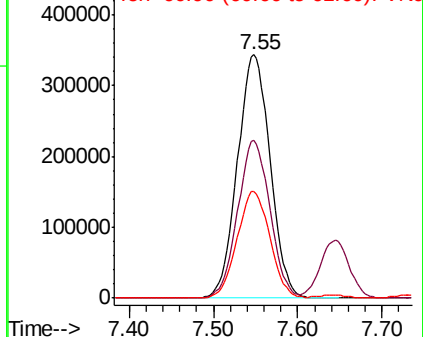
97 100

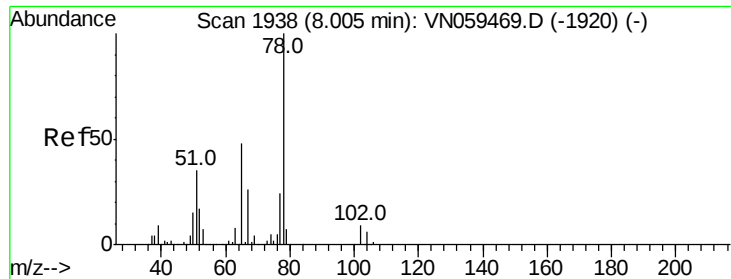
99 63.9 51.7 77.5

61 43.8 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 161.506 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

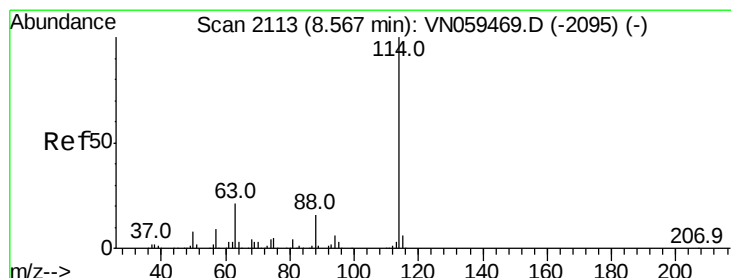
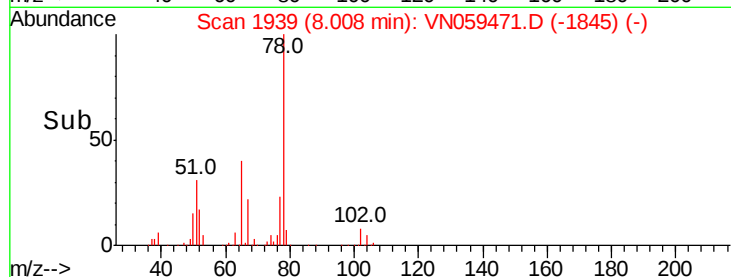
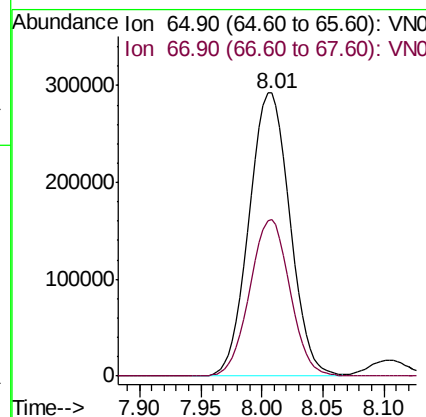
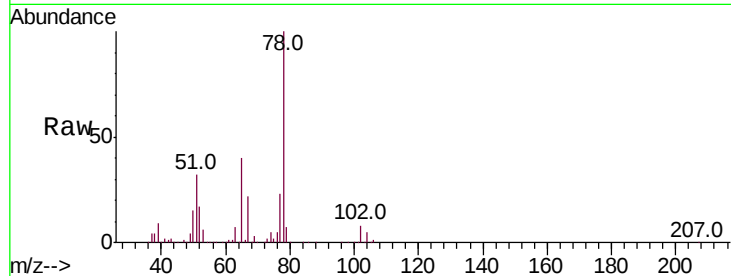
Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 678516

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

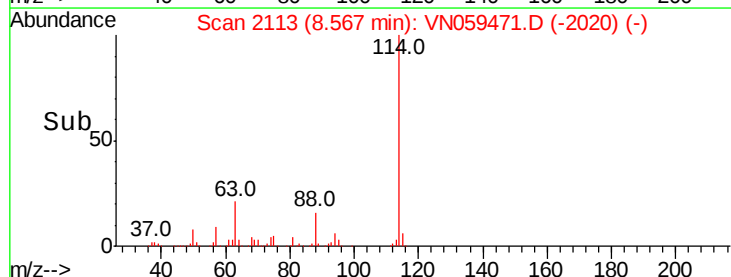
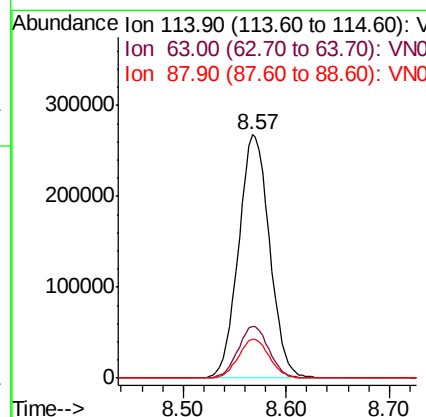
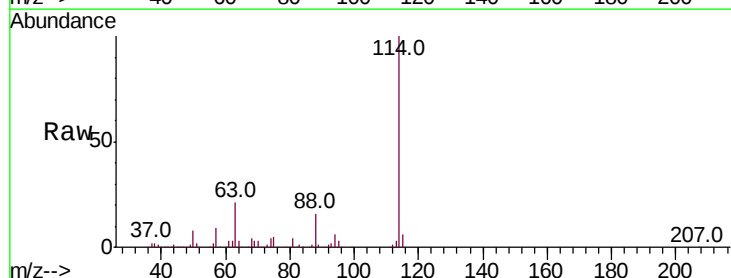
Delta R.T. -0.00 min

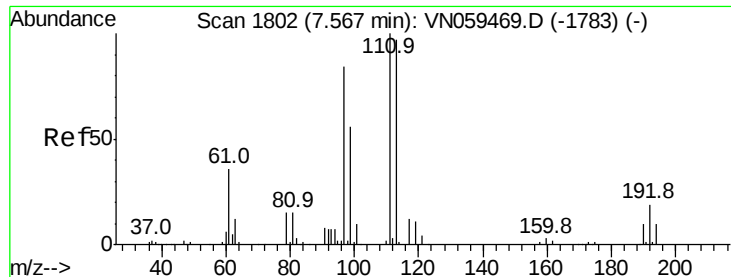
Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Tgt Ion: 114 Resp: 561155

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.4
88	15.8	0.0	32.8

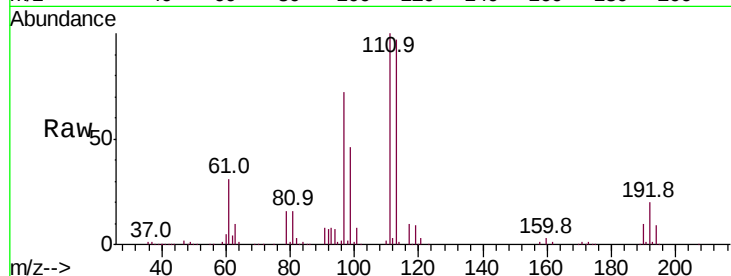




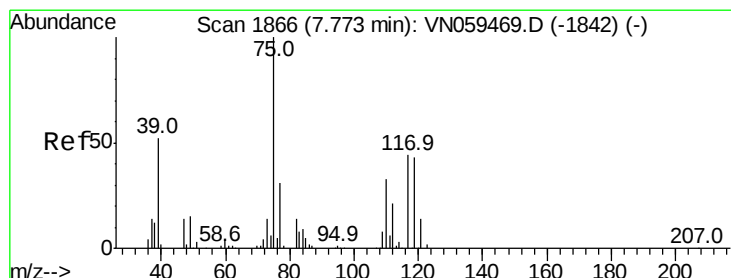
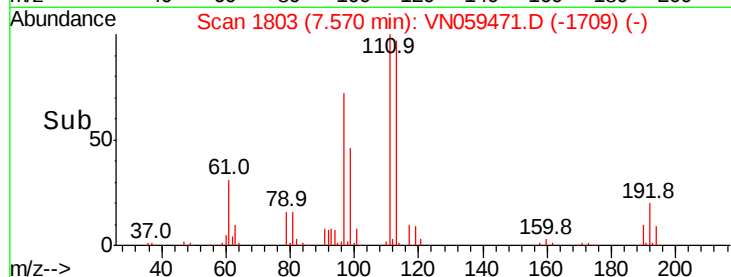
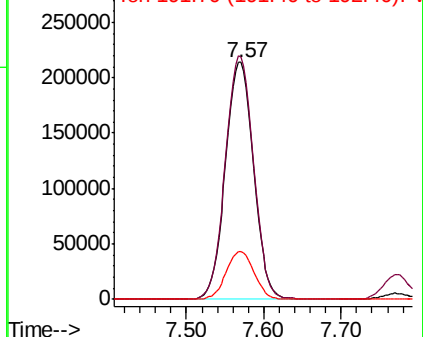
#35
Dibromofluoromethane
Concen: 157.197 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 540020
Ion Ratio Lower Upper
113 100
111 102.6 82.5 123.7
192 20.0 16.1 24.1

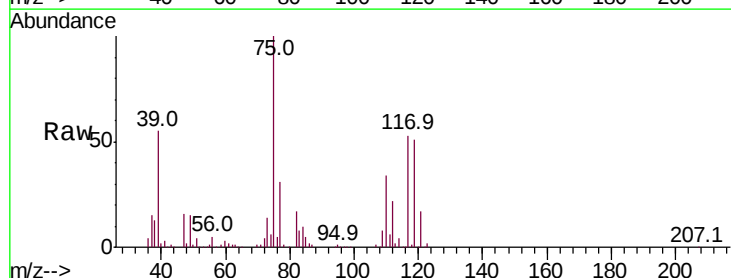


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

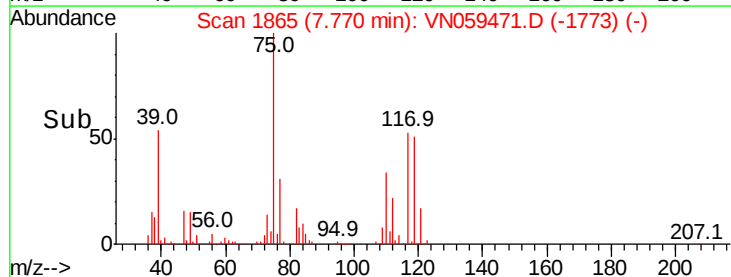
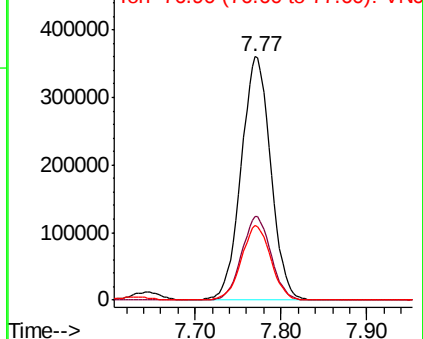


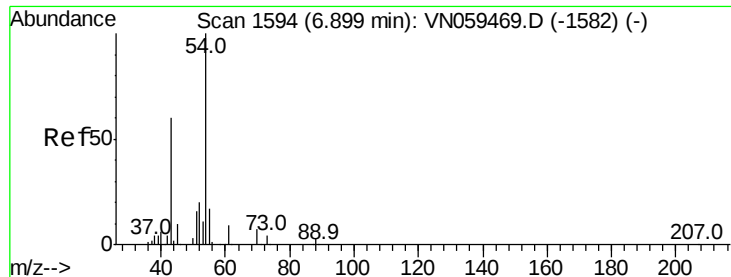
#36
1,1-Dichloropropene
Concen: 157.417 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 75 Resp: 859033
Ion Ratio Lower Upper
75 100
110 34.1 16.9 50.7
77 30.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

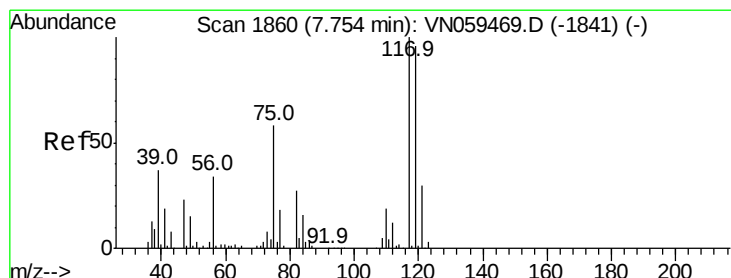
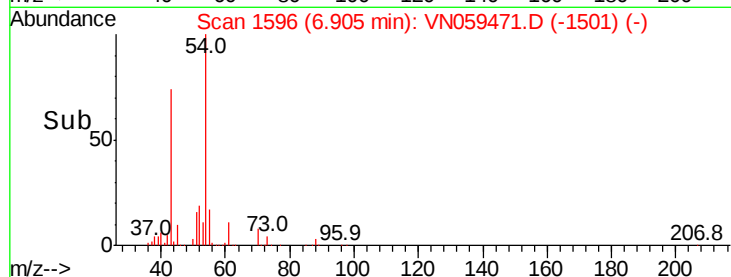
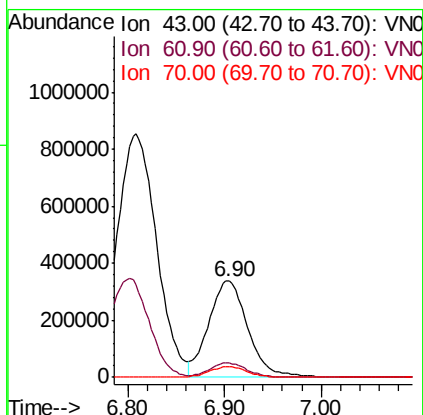
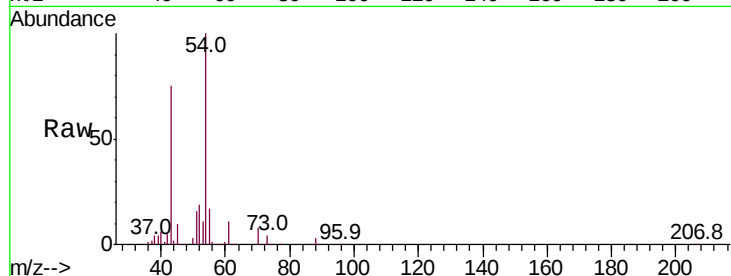




#37
Ethyl Acetate
Concen: 160.004 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

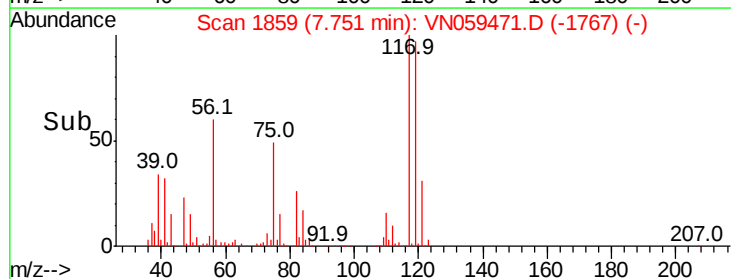
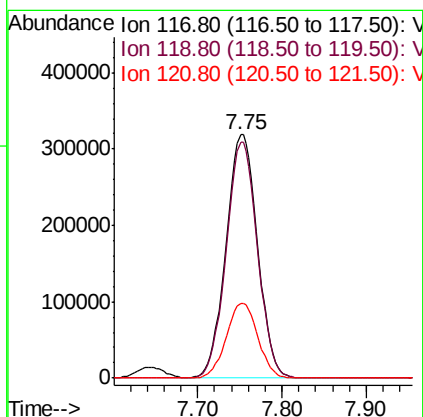
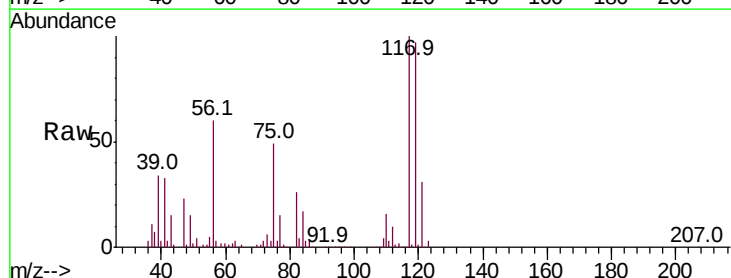
Instrument :
MSVOA_N
ClientSampled :

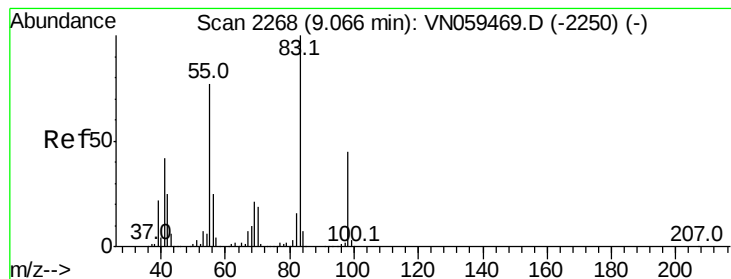
Tot Ion: 43 Resp: 941453
Ion Ratio Lower Upper
43 100
61 14.4 11.3 16.9
70 10.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 159.676 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 117 Resp: 826552
Ion Ratio Lower Upper
117 100
119 96.9 76.6 114.8
121 30.8 24.0 36.0





#39

Methvlcvclohexane

Concen: 163.874 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :
MSVOA_N
ClientSampleId :

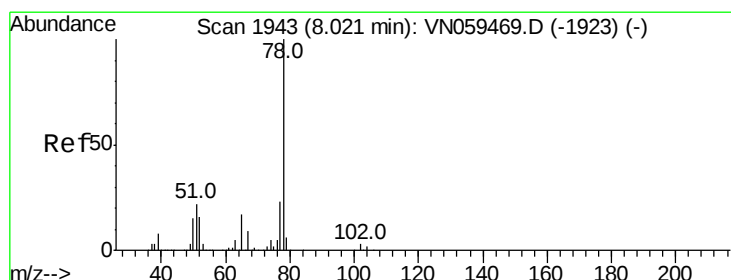
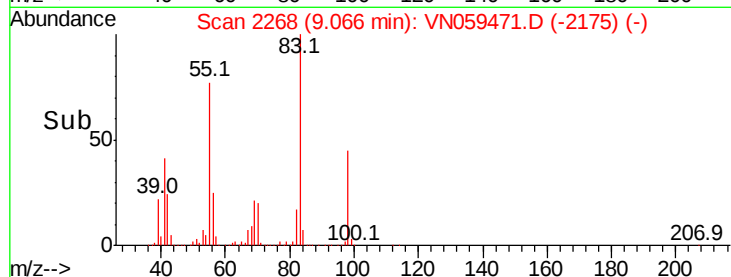
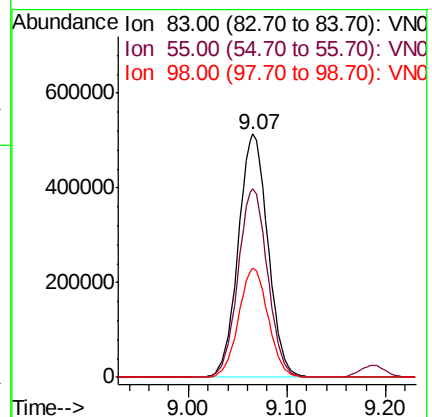
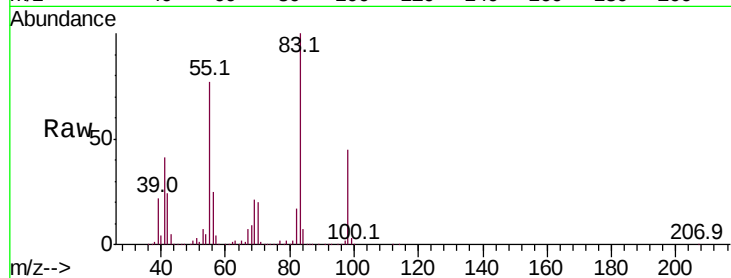
Tot Ion: 83 Resp: 1070635

Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.6
98	44.9	36.2	54.2

83 100

55 77.5 61.8 92.6

98 44.9 36.2 54.2



#40

Benzene

Concen: 153.011 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059471.D

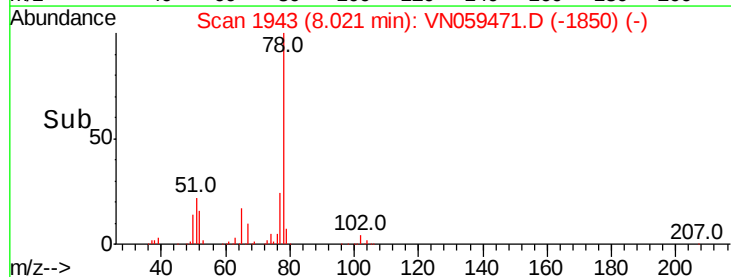
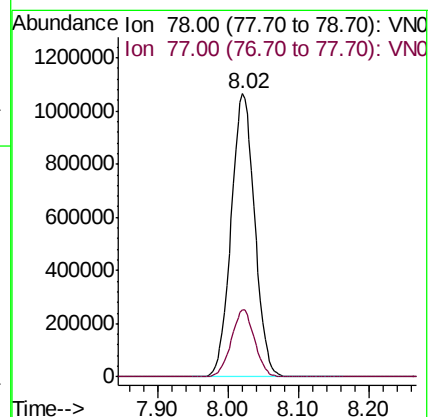
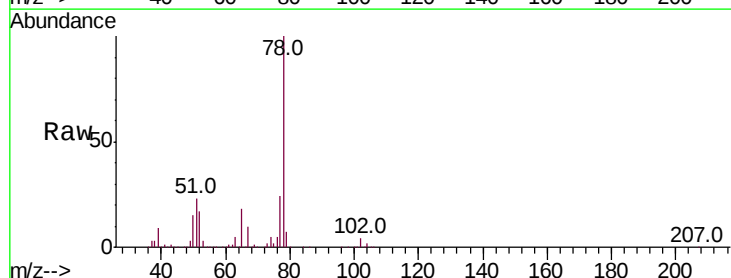
Acq: 3 Dec 2019 15:09

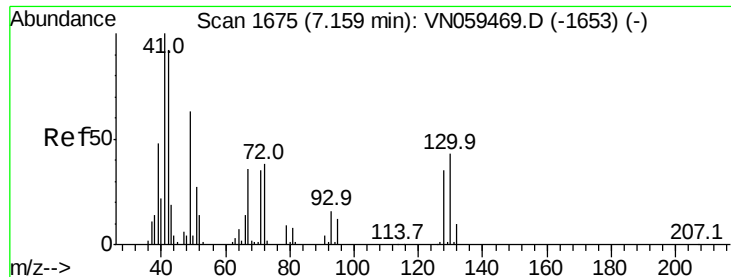
Tgt Ion: 78 Resp: 2482887

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.2

78 100

77 23.8 18.2 27.2

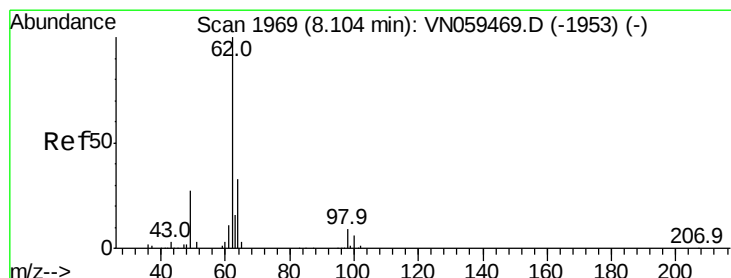
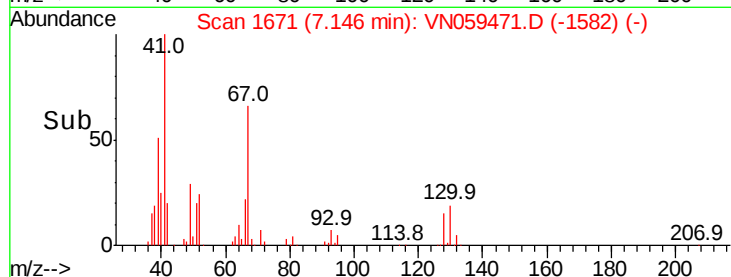
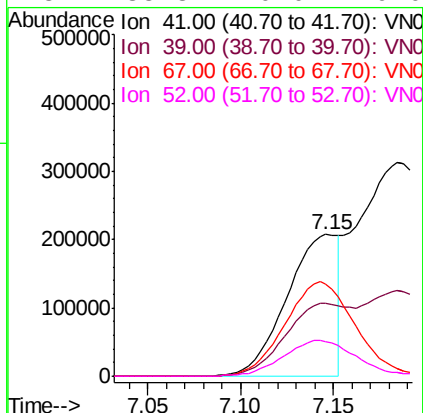
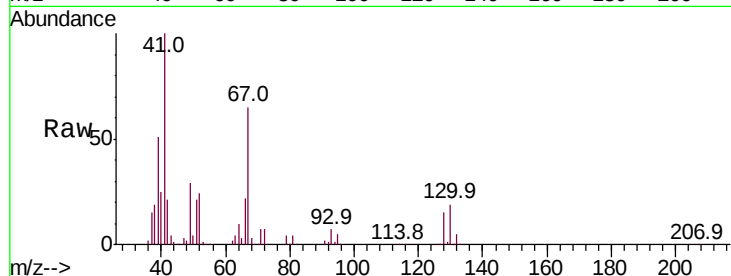




#41
Methacrylonitrile
Concen: 146.037 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

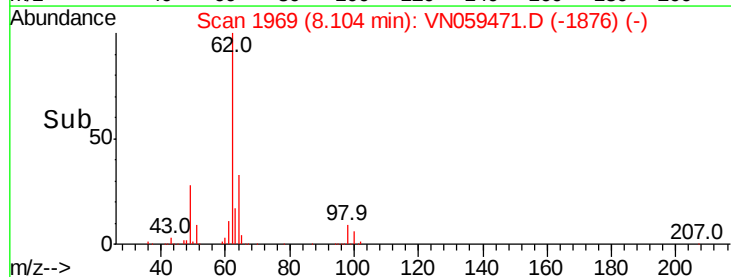
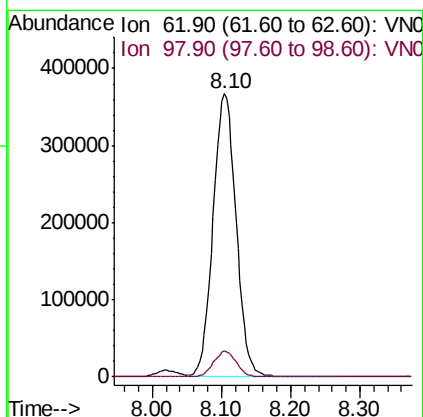
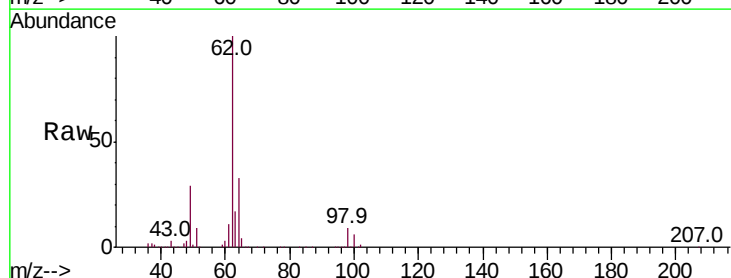
Instrument :
MSVOA_N
ClientSampled :

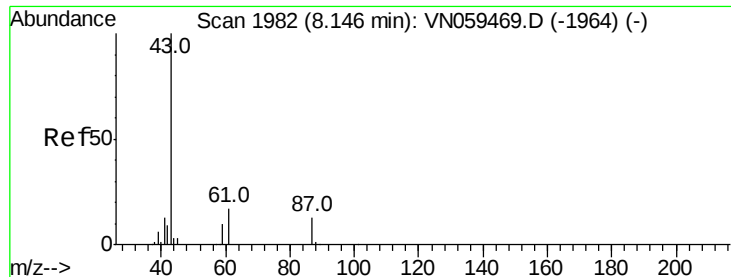
Tot Ion: 41 Resp: 398899
Ion Ratio Lower Upper
41 100
39 66.9 0.0 0.0#
67 91.7 0.0 0.0#
52 35.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 163.330 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 62 Resp: 846779
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 170.802 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

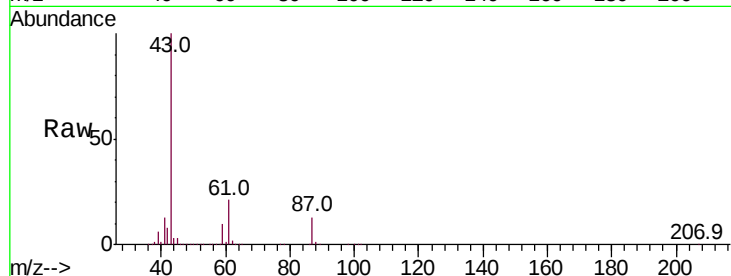
Tot Ion: 43 Resp: 1519623

Ion Ratio Lower Upper

43 100

61 26.7 21.0 31.6

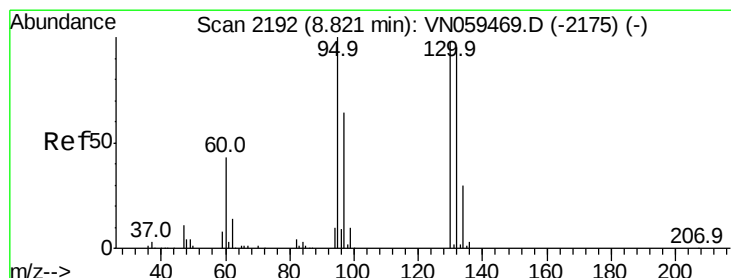
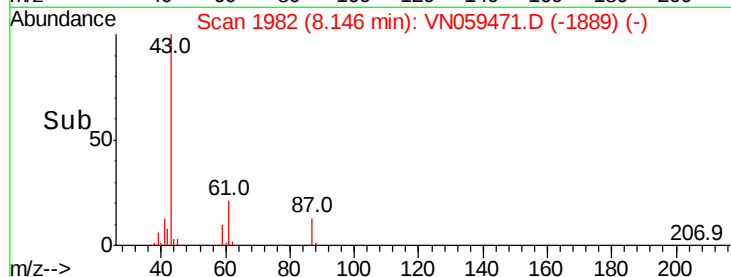
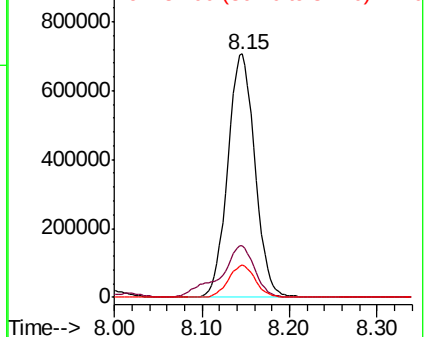
87 13.0 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059469.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059469.D (-1964) (-)



#44

Trichloroethene

Concen: 155.100 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059471.D

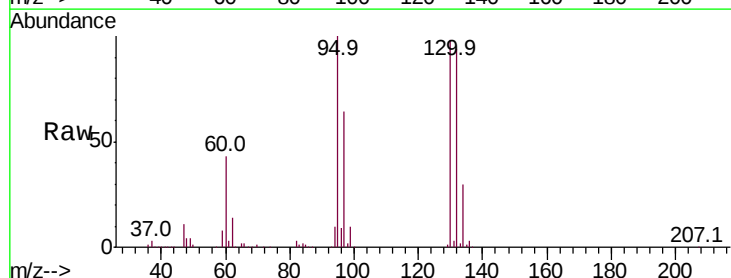
Acq: 3 Dec 2019 15:09

Tgt Ion:130 Resp: 640527

Ion Ratio Lower Upper

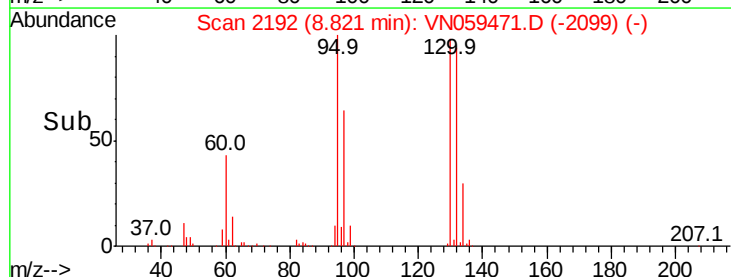
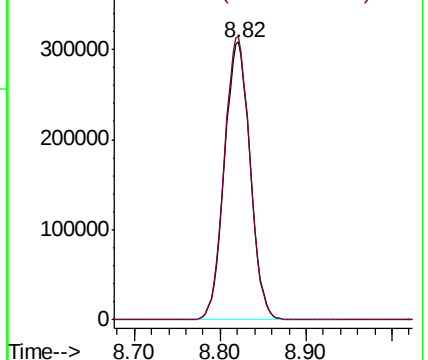
130 100

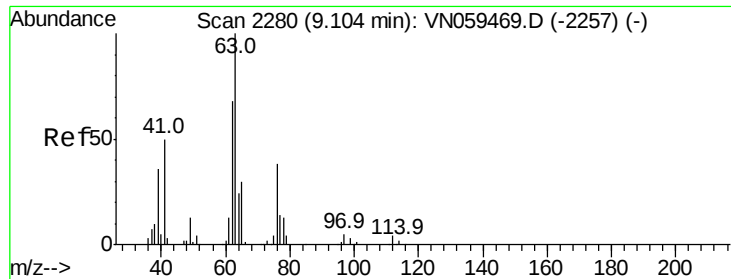
95 101.8 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN059469.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059469.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 159.027 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

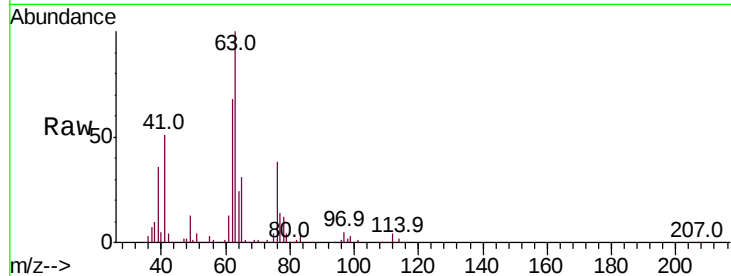
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 675208

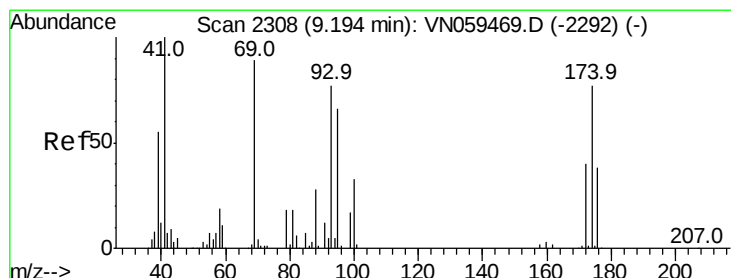
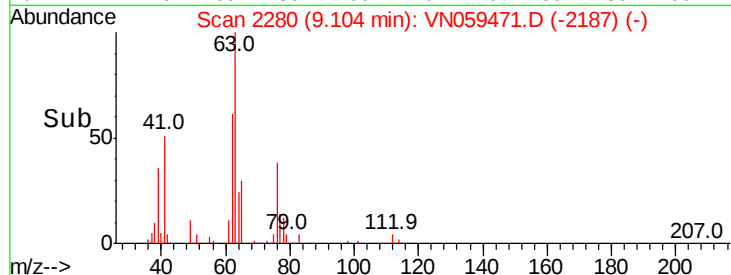
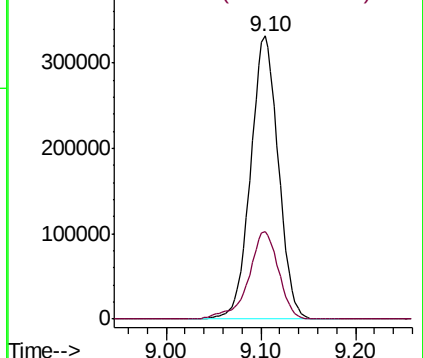
Ion Ratio Lower Upper

63 100

65 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNC
Ion 64.90 (64.60 to 65.60): VNC



#46

Dibromomethane

Concen: 160.713 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

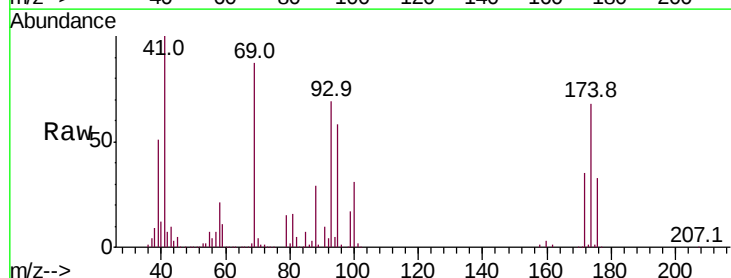
Tgt Ion: 93 Resp: 421784

Ion Ratio Lower Upper

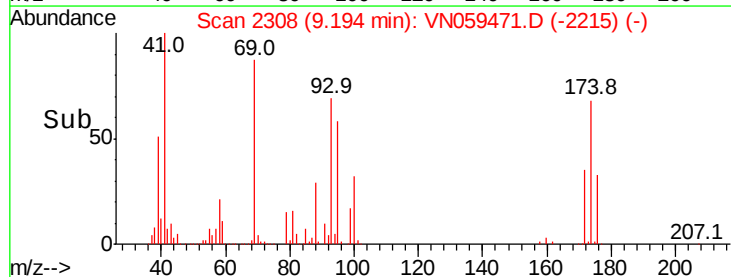
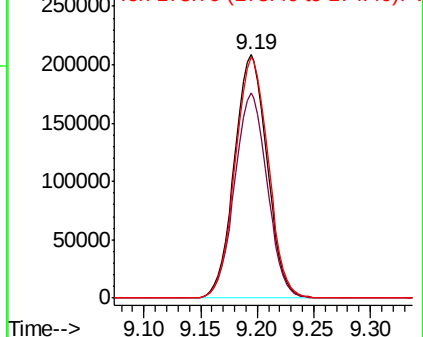
93 100

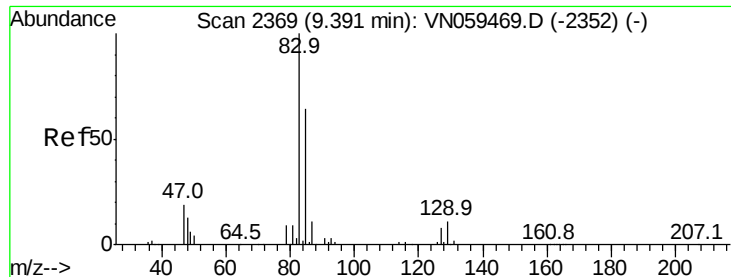
95 84.0 67.0 100.6

174 100.0 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VNC
Ion 94.80 (94.50 to 95.50): VNC
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 162.603 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

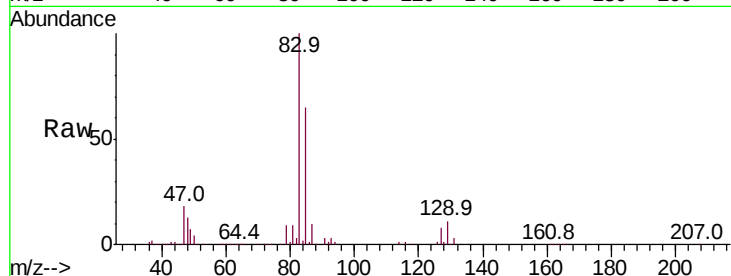
Tot Ion: 83 Resp: 863361

Ion Ratio Lower Upper

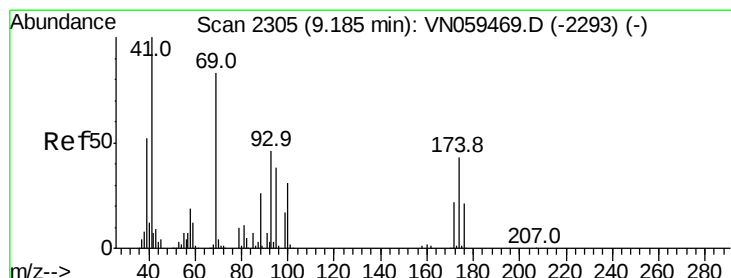
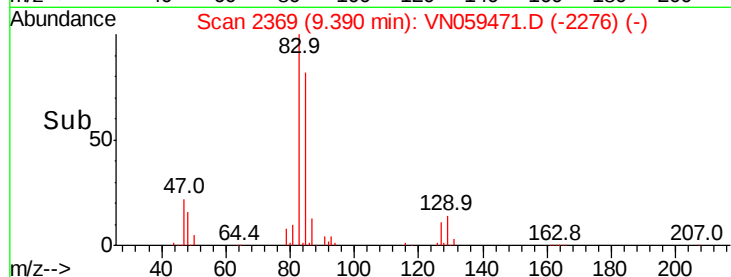
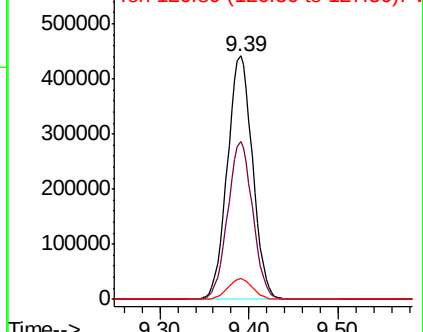
83 100

85 64.6 51.0 76.6

127 8.3 6.6 9.8



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): VNO



#48

Methyl methacrylate

Concen: 174.493 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

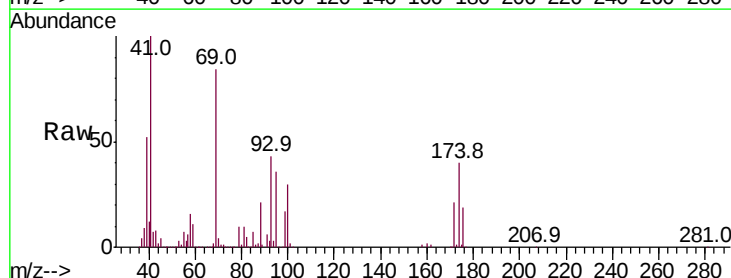
Tgt Ion: 41 Resp: 690494

Ion Ratio Lower Upper

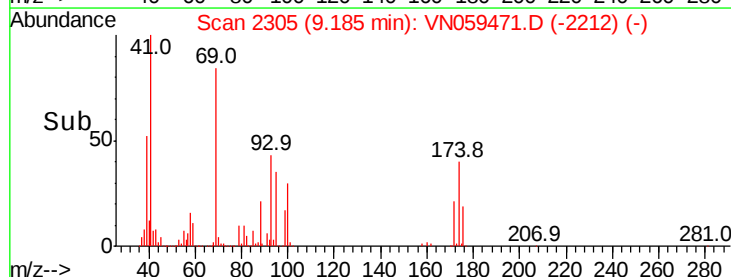
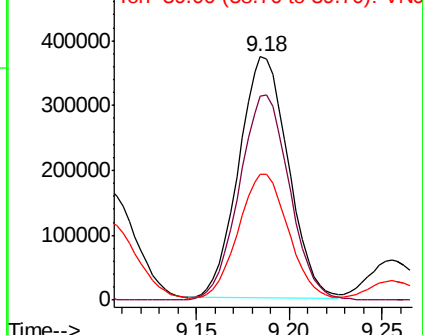
41 100

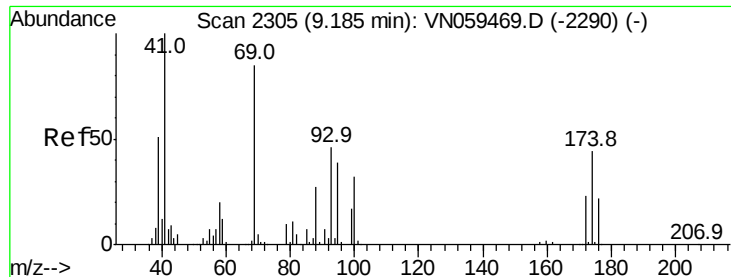
69 86.4 68.6 103.0

39 53.1 43.2 64.8



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

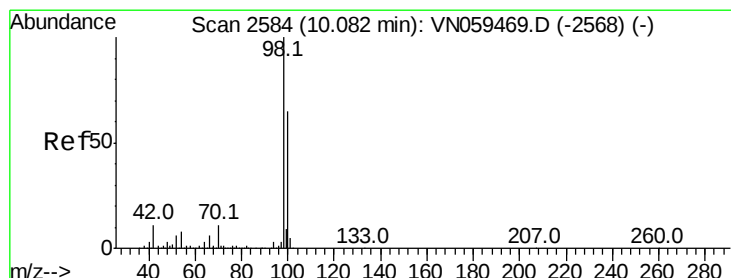
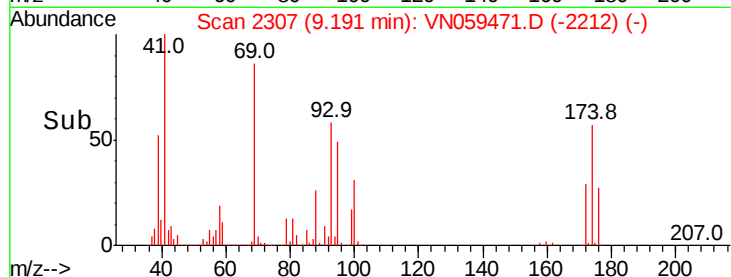
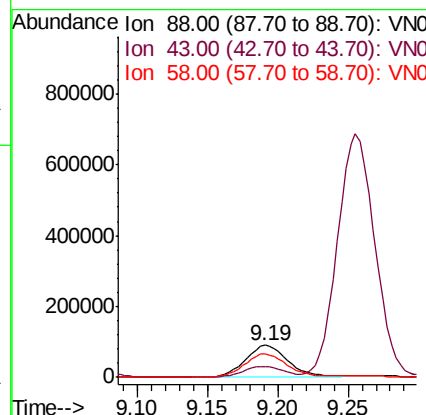
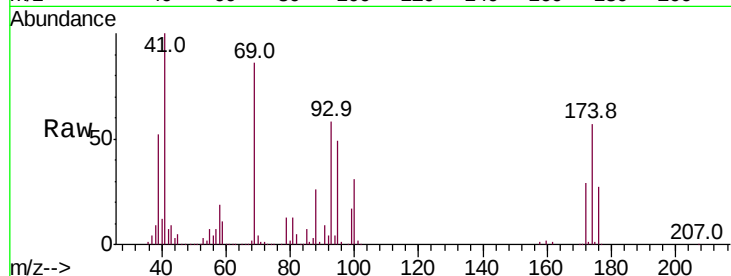




#49
1,4-Dioxane
Concen: 3461.824 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

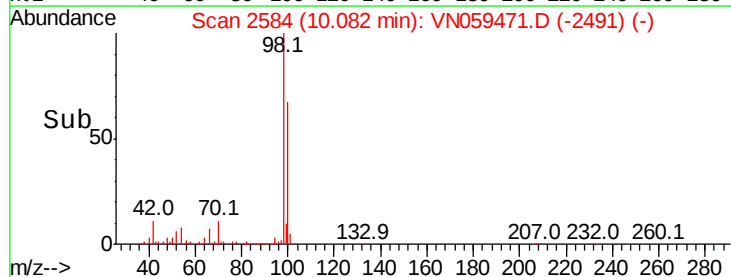
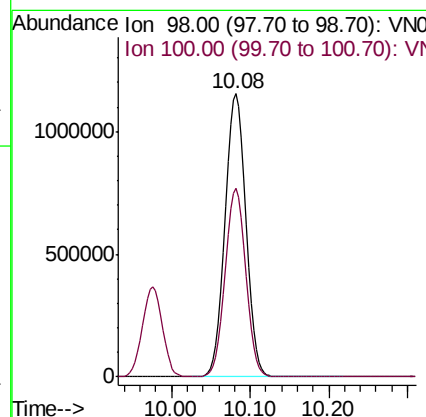
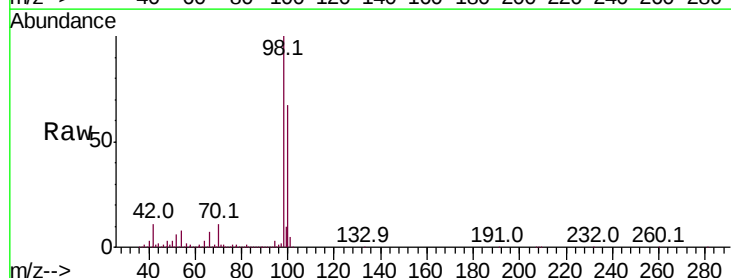
Instrument :
MSVOA_N
ClientSampled :

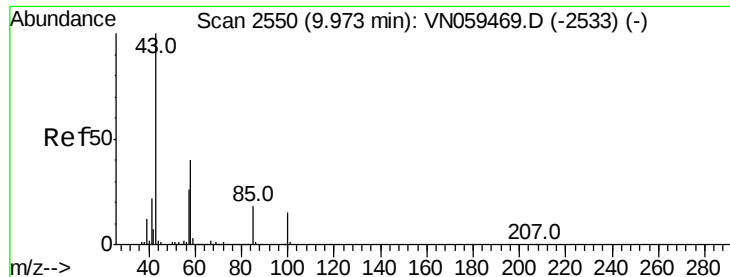
Tot Ion: 88 Resp: 194335
Ion Ratio Lower Upper
88 100
43 32.8 27.1 40.7
58 72.4 57.8 86.6



#50
Toluene-d8
Concen: 153.840 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 98 Resp: 2108265
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 766.804 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

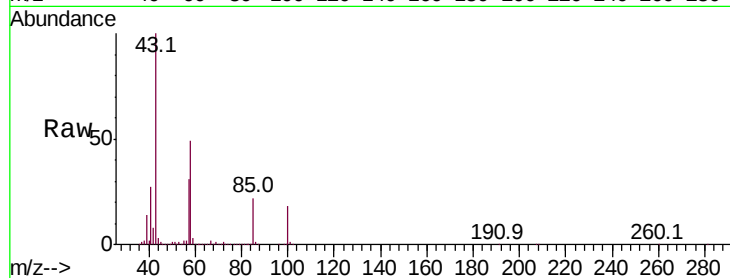
ClientSampleId :

Tot Ion: 43 Resp: 3986972

Ion Ratio Lower Upper

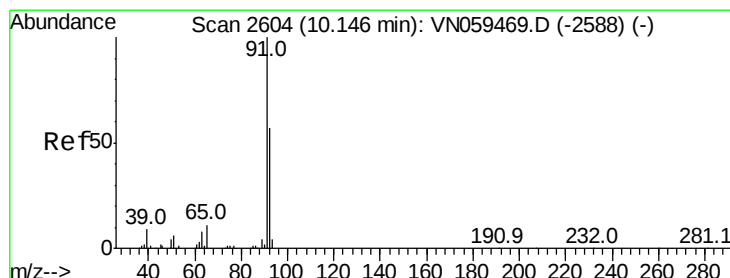
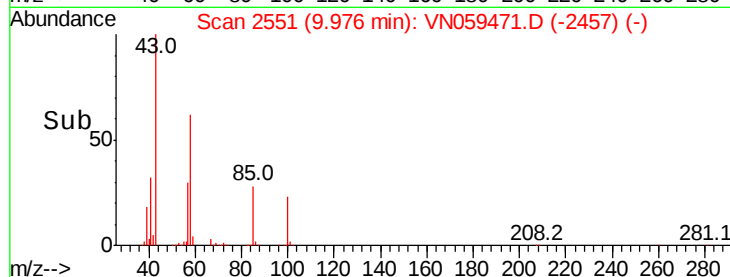
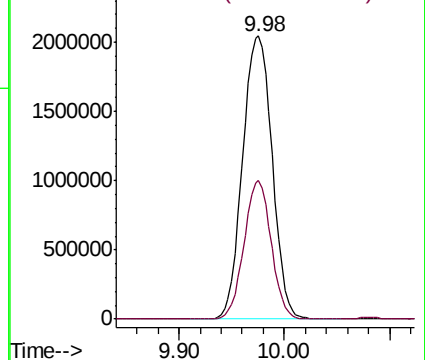
43 100

58 44.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 157.808 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059471.D

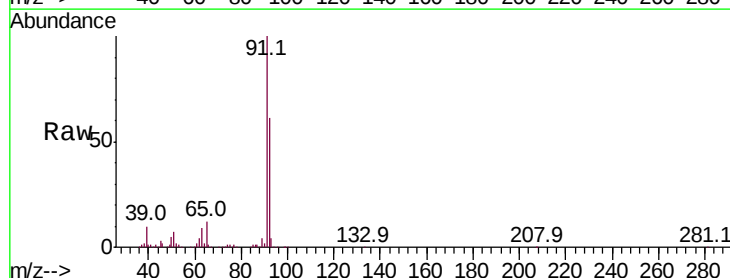
Acq: 3 Dec 2019 15:09

Tgt Ion: 92 Resp: 1531611

Ion Ratio Lower Upper

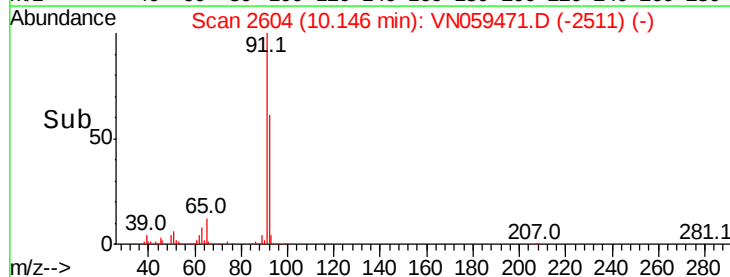
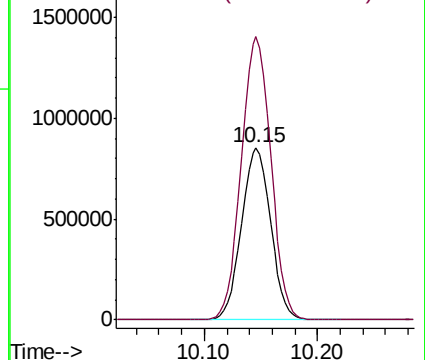
92 100

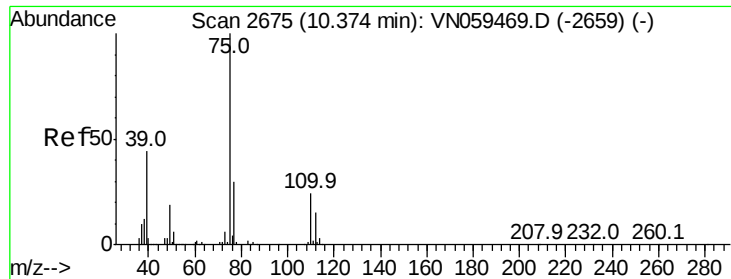
91 168.1 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 168.303 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

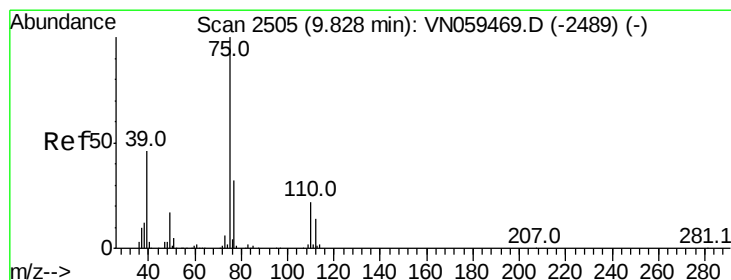
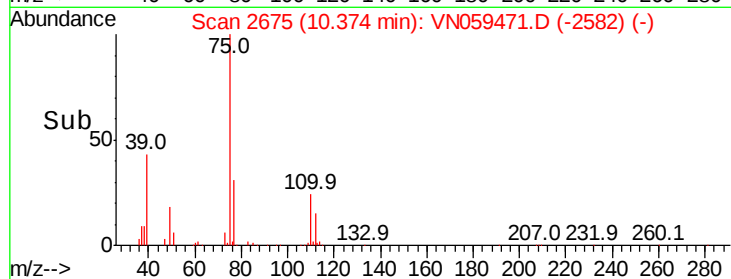
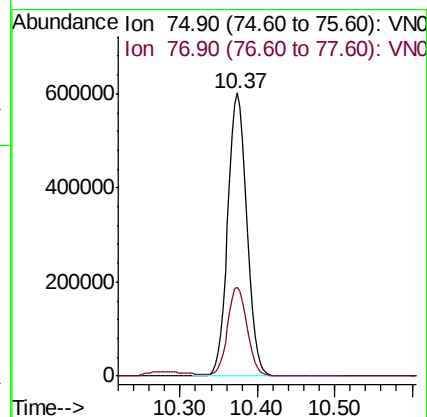
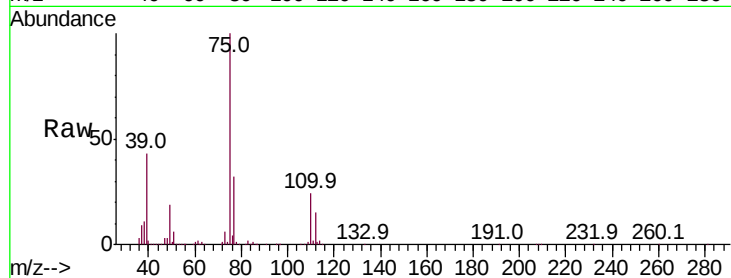
ClientSampled :

Tot Ion: 75 Resp: 1027924

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 167.054 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

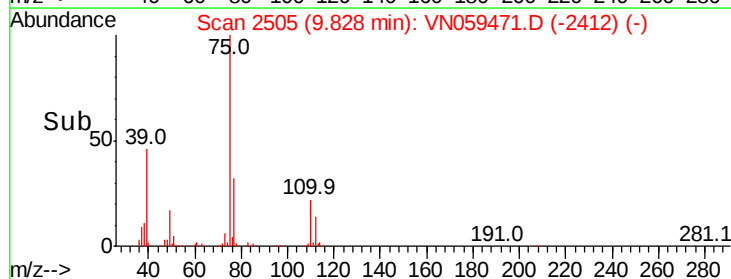
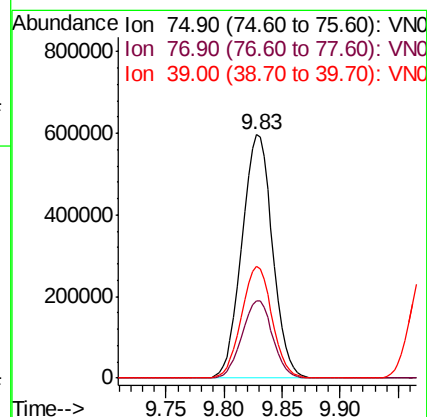
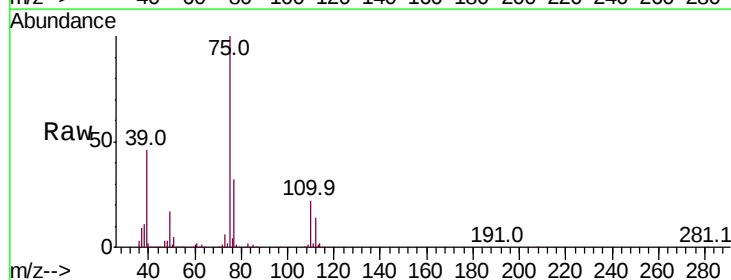
Tgt Ion: 75 Resp: 1097222

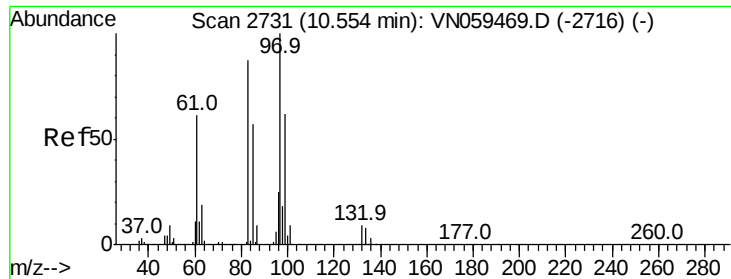
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 45.9 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 157.670 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 601437

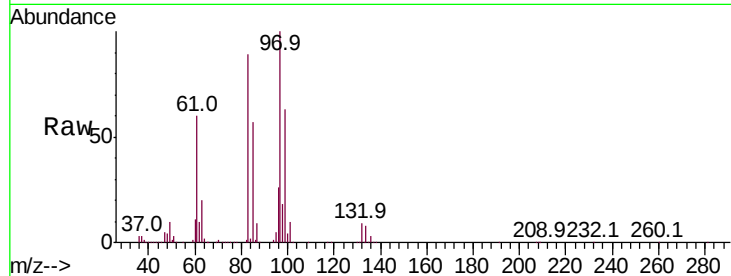
Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.8
85	57.5	45.5	68.3
99	62.9	50.0	75.0

97 100

83 89.3 69.8 104.8

85 57.5 45.5 68.3

99 62.9 50.0 75.0



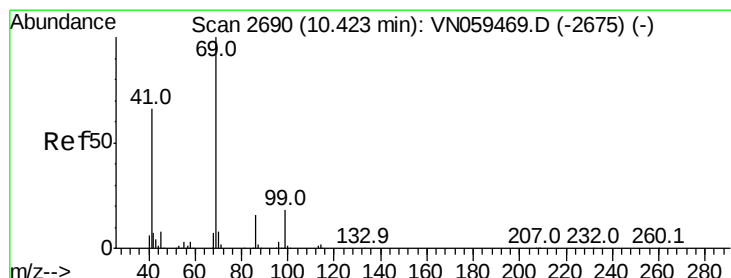
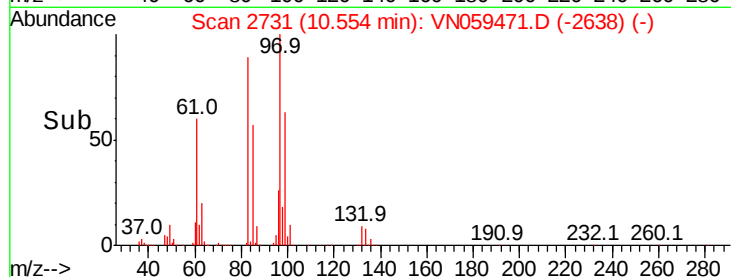
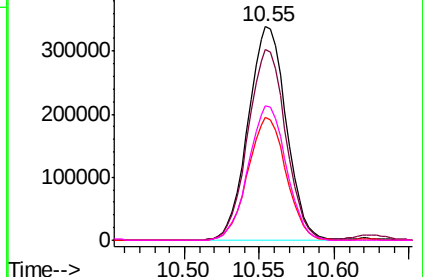
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 181.100 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

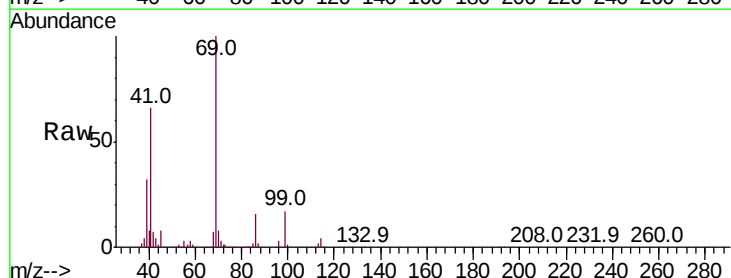
Tgt Ion: 69 Resp: 1008767

Ion	Ratio	Lower	Upper
69	100		
41	65.5	52.7	79.1
39	31.3	25.0	37.6

69 100

41 65.5 52.7 79.1

39 31.3 25.0 37.6

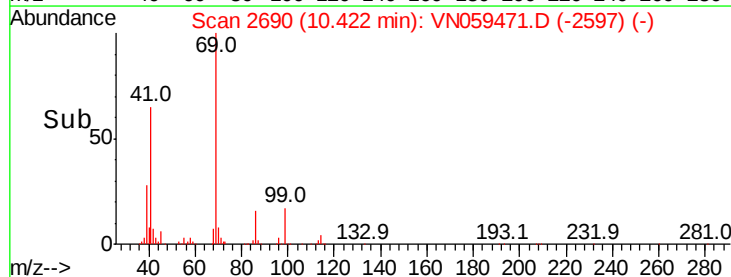
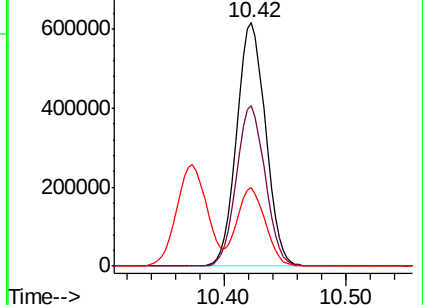


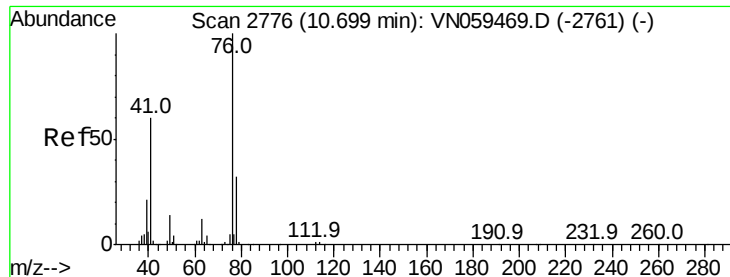
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 160.107 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

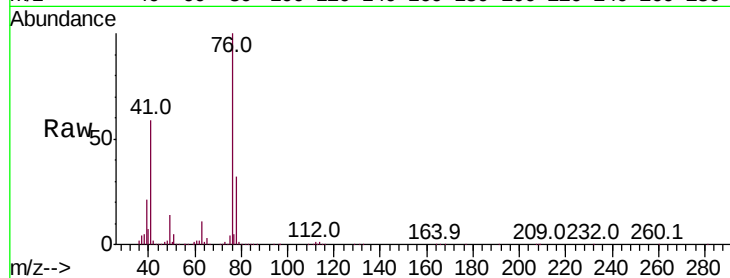
ClientSampleId :

Tot Ion: 76 Resp: 1051700

Ion Ratio Lower Upper

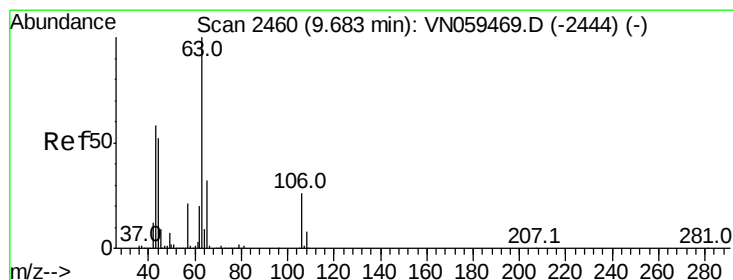
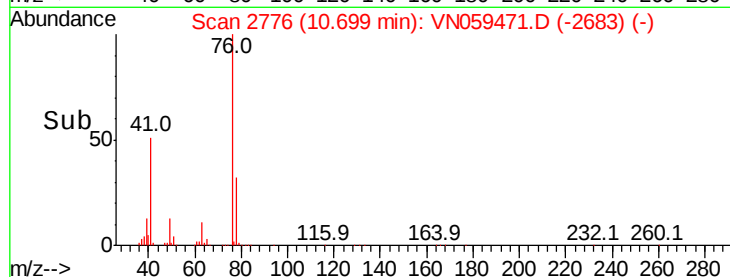
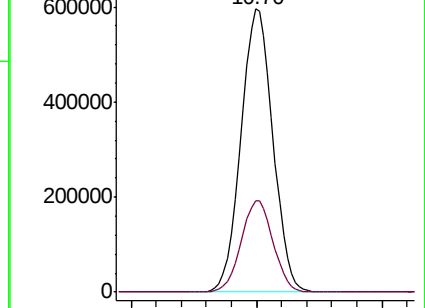
76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 1110.397 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059471.D

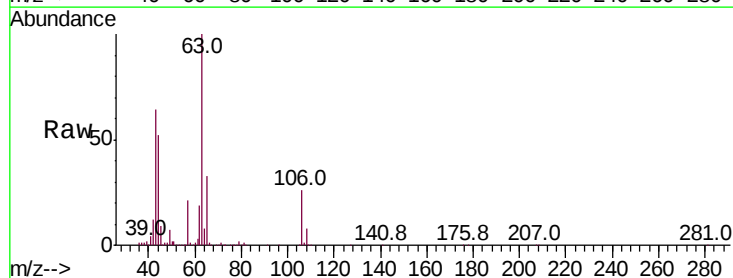
Acq: 3 Dec 2019 15:09

Tgt Ion: 63 Resp: 1783321

Ion Ratio Lower Upper

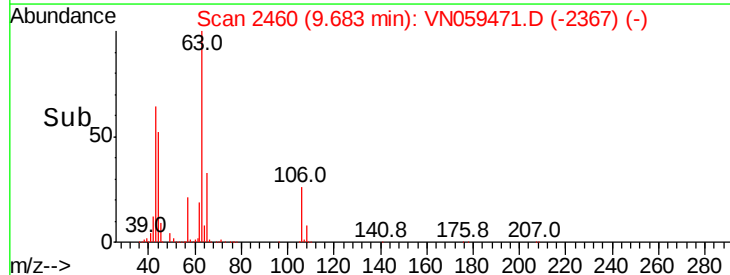
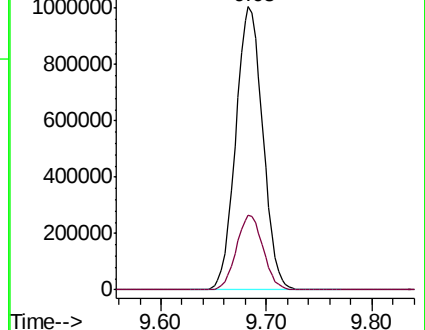
63 100

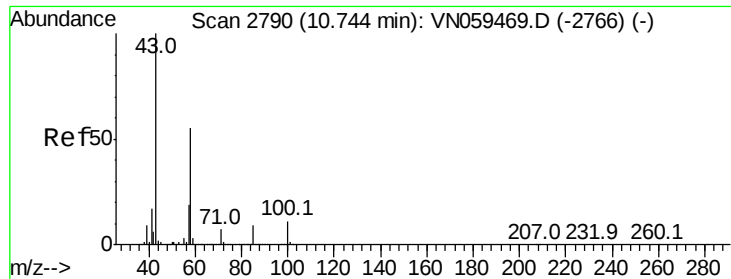
106 26.1 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

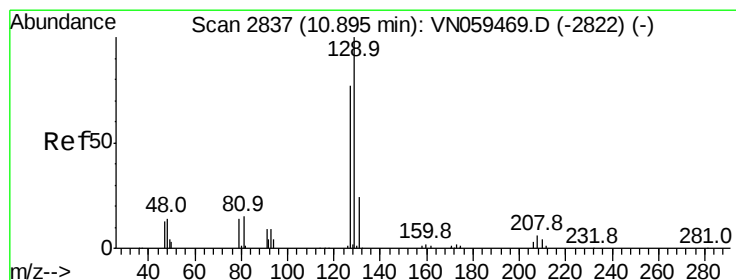
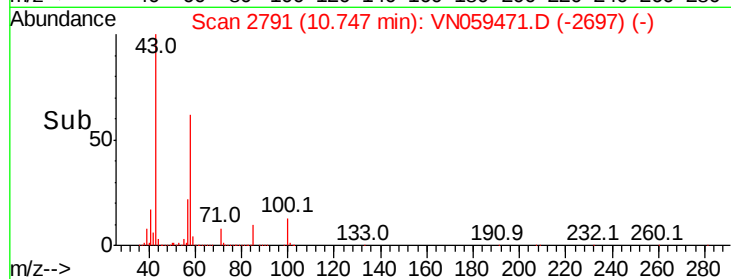
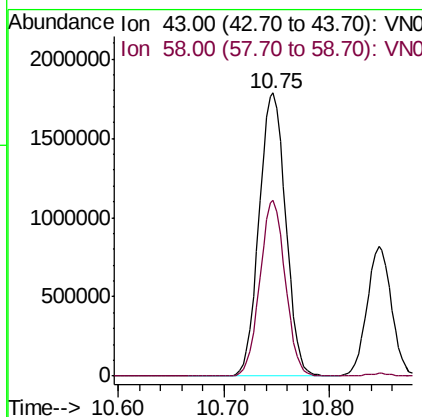
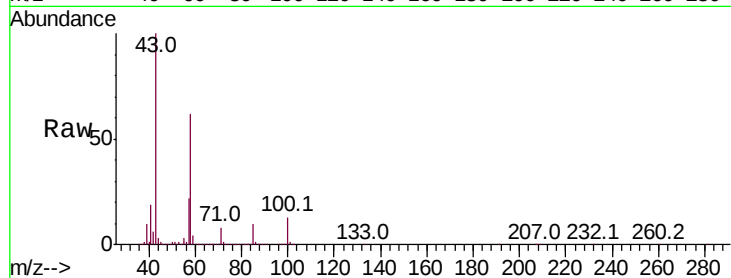




#59
2-Hexanone
Concen: 814.834 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

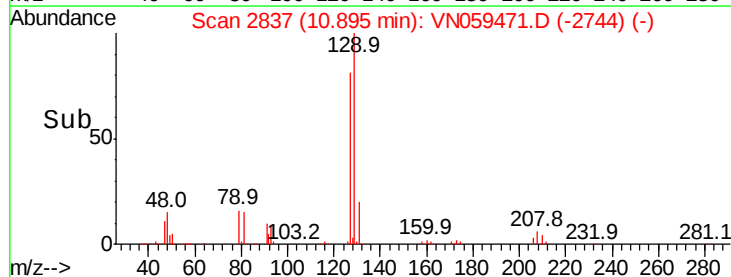
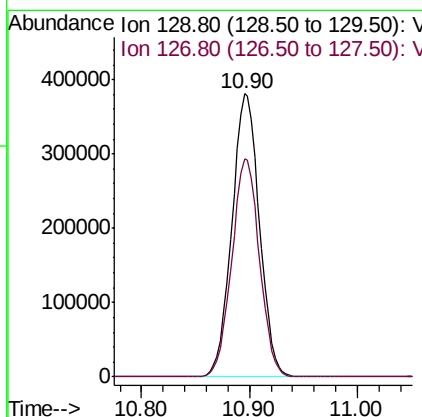
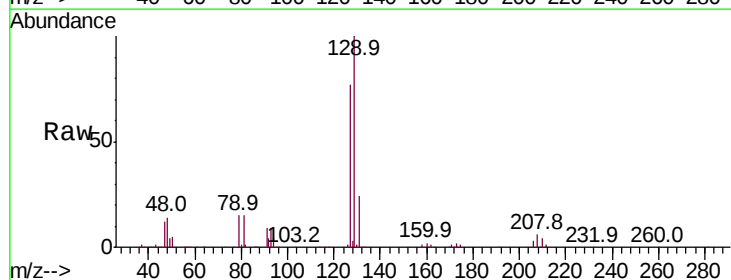
Instrument :
MSVOA_N
ClientSampleId :

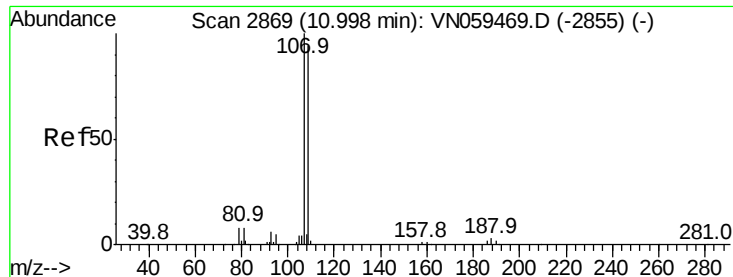
Tot Ion: 43 Resp: 3149710
Ion Ratio Lower Upper
43 100
58 59.3 27.7 83.0



#60
Dibromochloromethane
Concen: 170.629 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 129 Resp: 676782
Ion Ratio Lower Upper
129 100
127 77.6 39.0 116.9

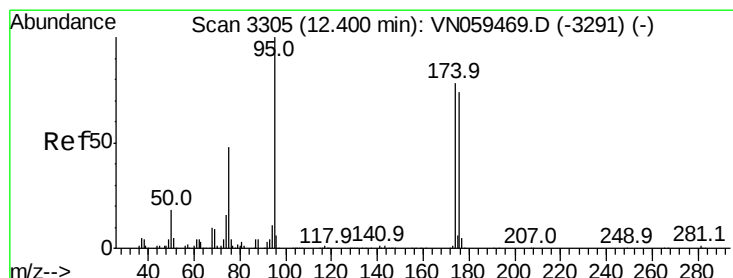
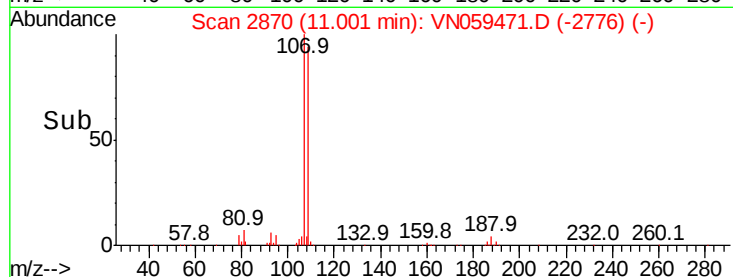
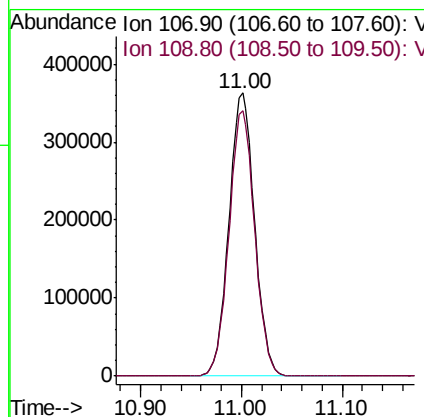
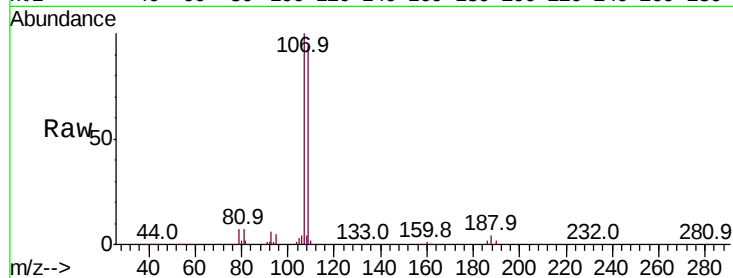




#61
 1,2-Dibromoethane
 Concen: 164.526 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

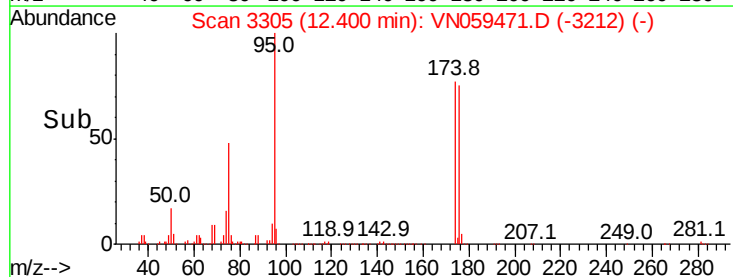
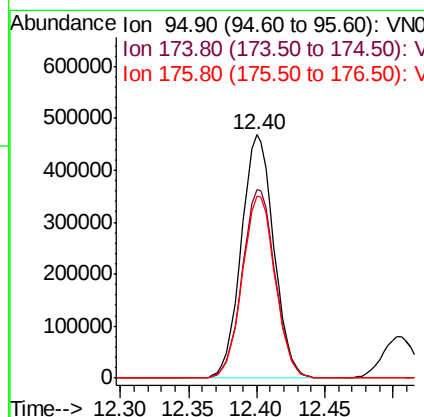
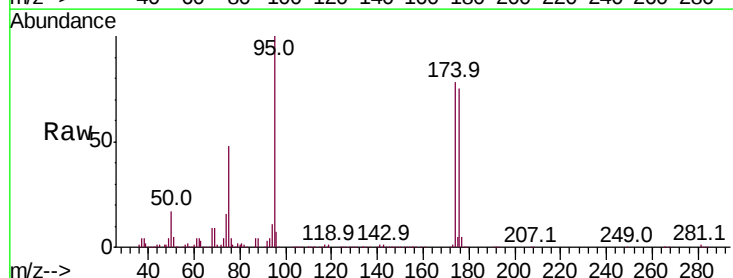
Instrument :
 MSVOA_N
 ClientSampleId :

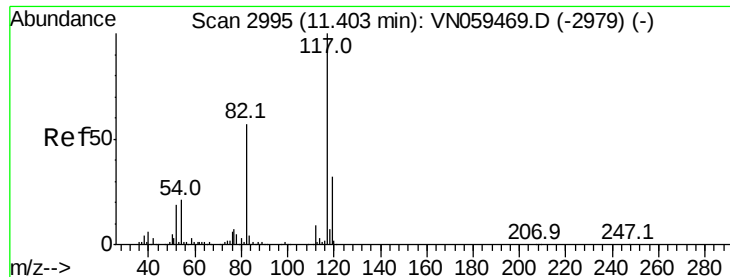
Tot Ion:107 Resp: 643067
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 161.919 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

Tgt Ion: 95 Resp: 774142
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.0
 176 75.5 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

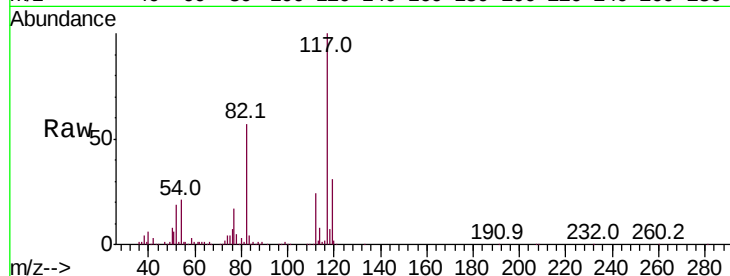
Tot Ion:117 Resp: 508433

Ion Ratio Lower Upper

117 100

82 56.5 45.8 68.8

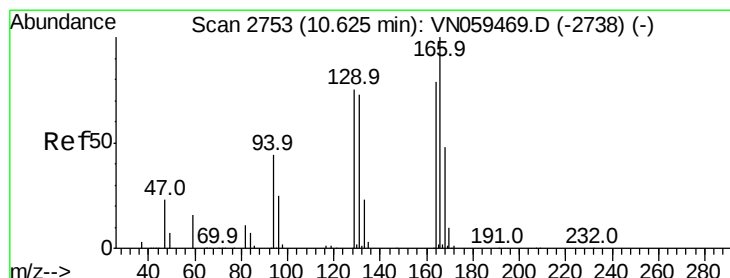
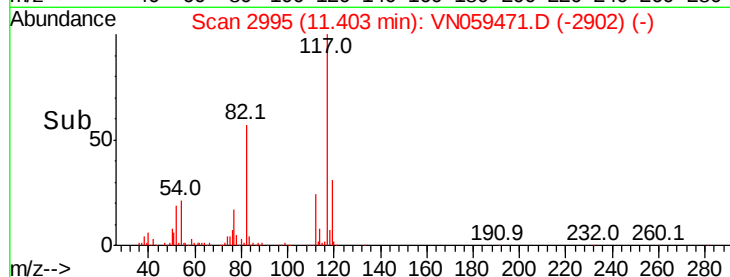
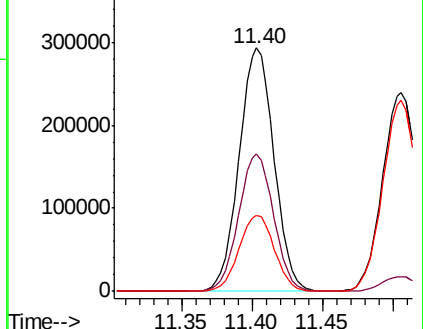
119 31.5 25.4 38.0



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: 159.135 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Tgt Ion:164 Resp: 606451

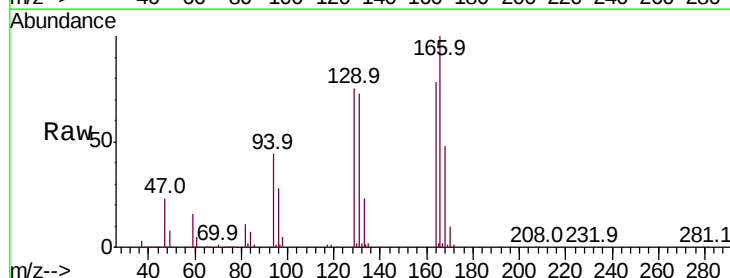
Ion Ratio Lower Upper

164 100

166 127.8 101.2 151.8

129 96.2 76.1 114.1

131 92.6 73.7 110.5

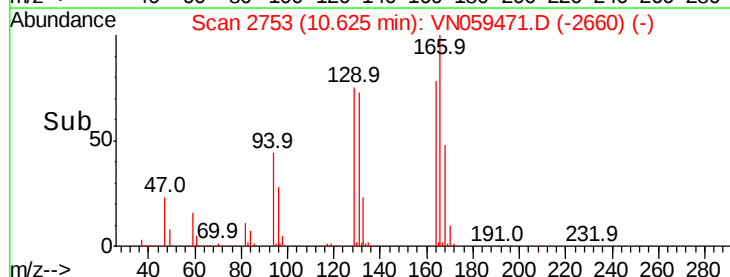
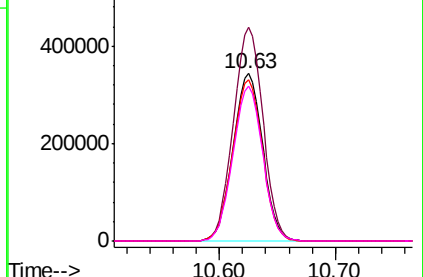


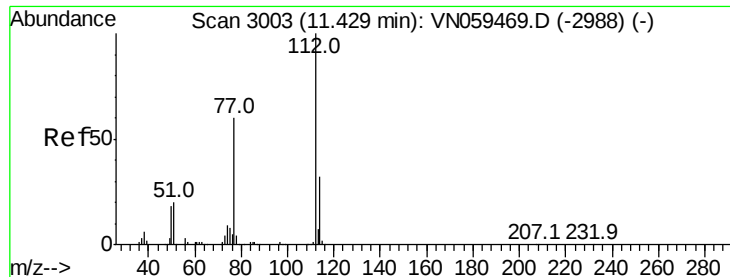
Abundance Ion 163.80 (163.50 to 164.50): V

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: 154.110 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

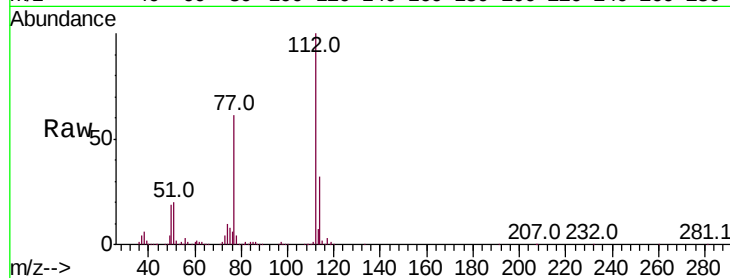
ClientSampleId :

Tot Ion:112 Resp: 1603789

Ion Ratio Lower Upper

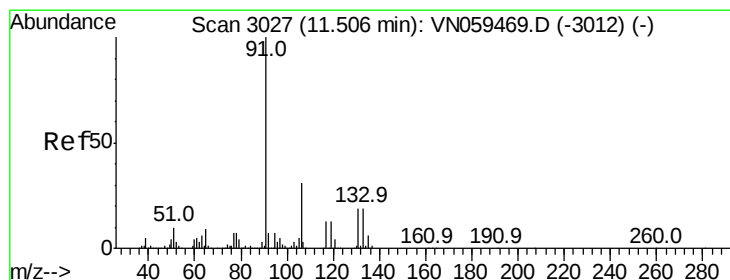
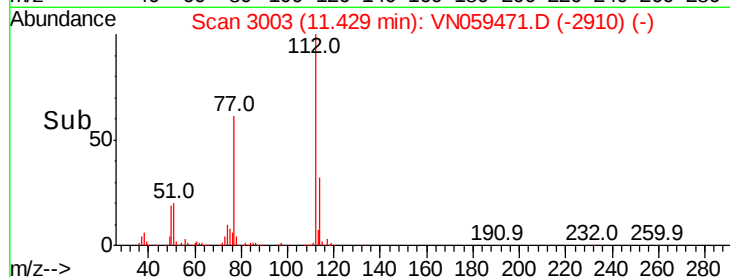
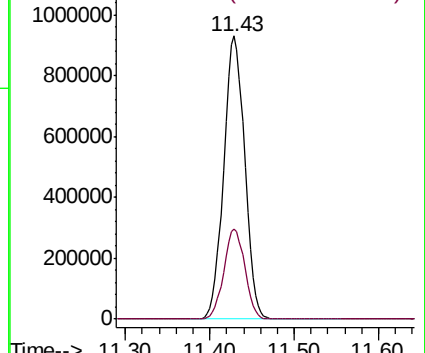
112 100

114 31.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 159.156 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

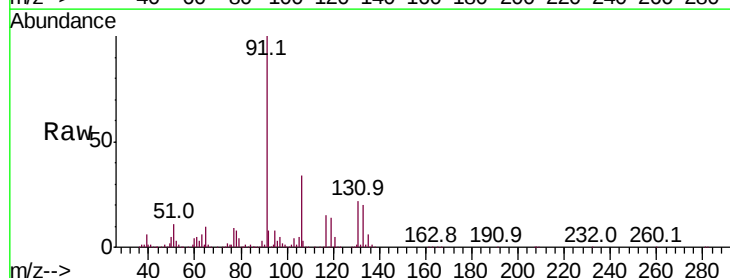
Tgt Ion:131 Resp: 601362

Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.0

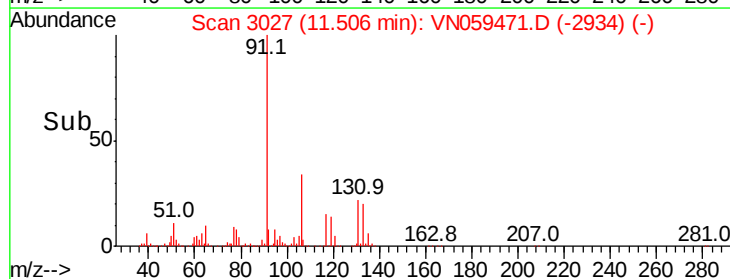
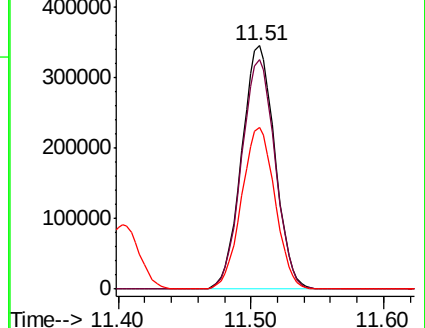
119 67.0 33.9 101.6

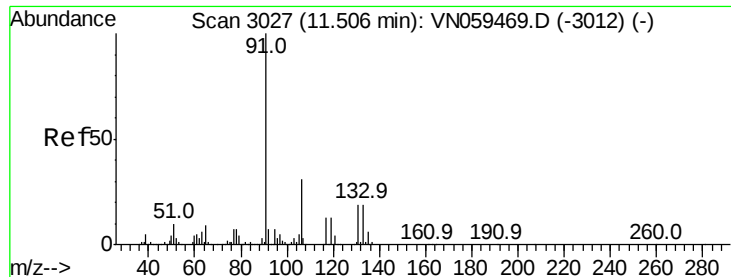


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 153.584 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

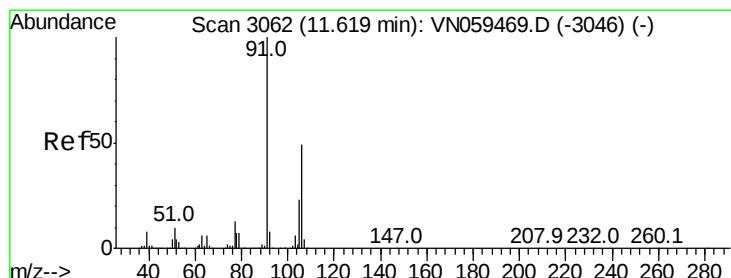
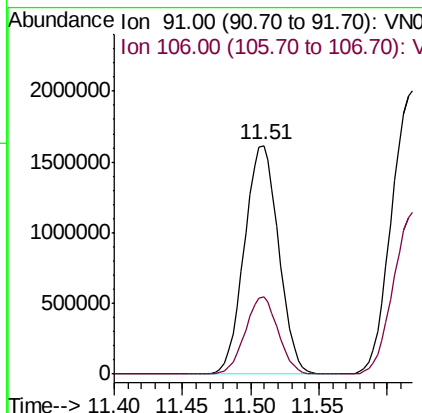
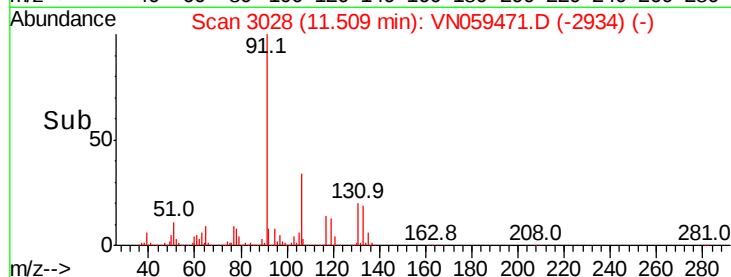
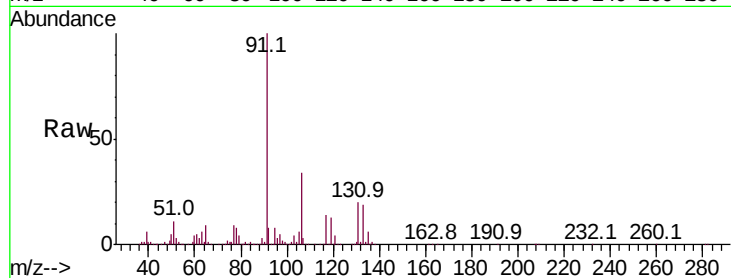
ClientSampled :

Tot Ion: 91 Resp: 2814848

Ion Ratio Lower Upper

91 100

106 33.9 24.7 37.1



#68

m/p-Xylenes

Concen: 318.149 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059471.D

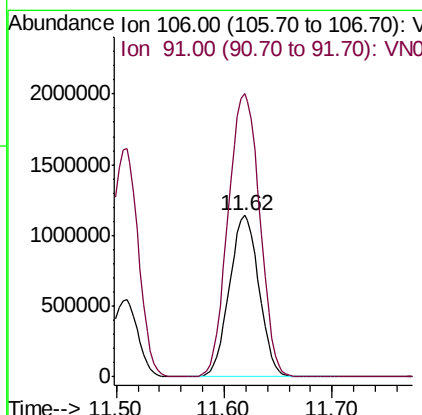
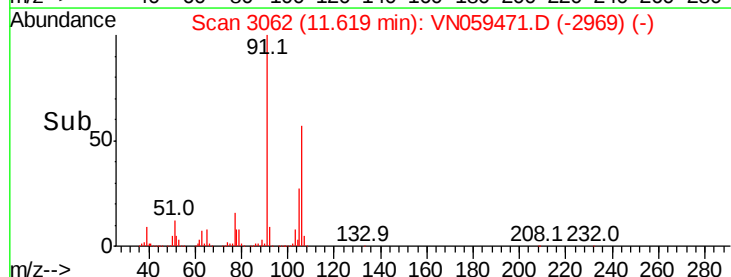
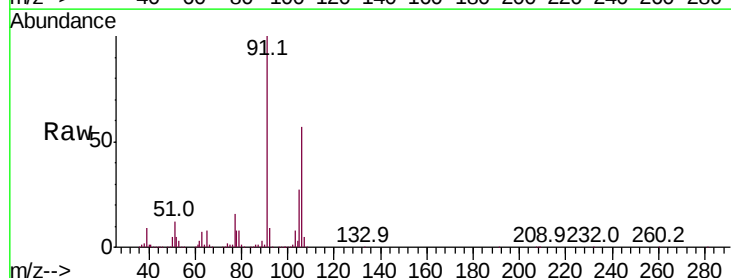
Acq: 3 Dec 2019 15:09

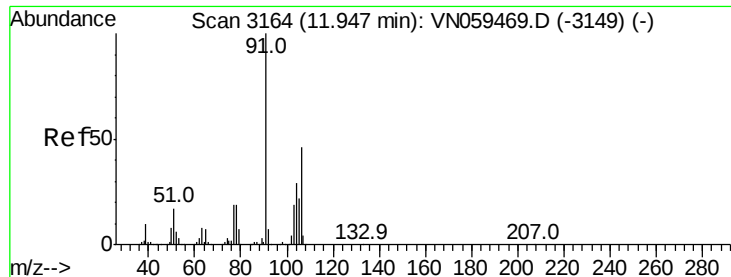
Tgt Ion: 106 Resp: 2182157

Ion Ratio Lower Upper

106 100

91 187.6 162.2 243.4

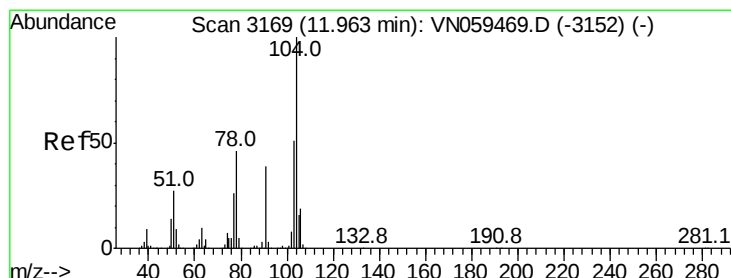
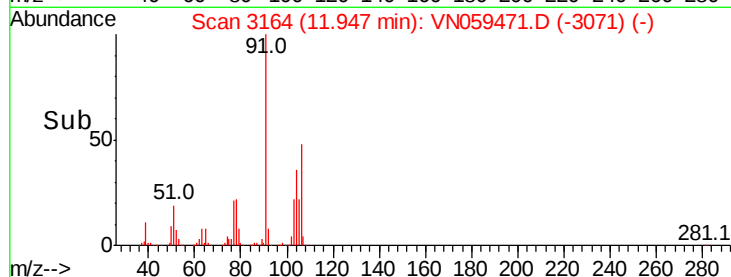
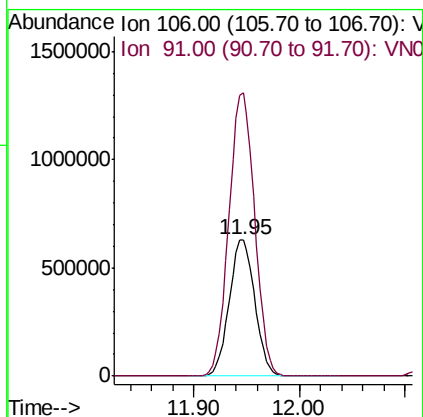
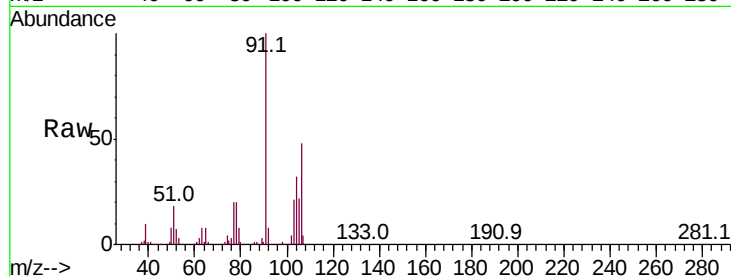




#69
o-Xylene
Concen: 160.696 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

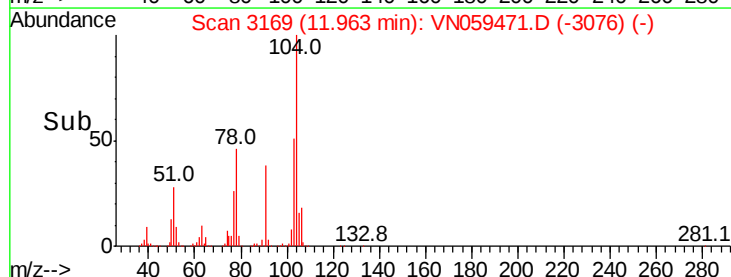
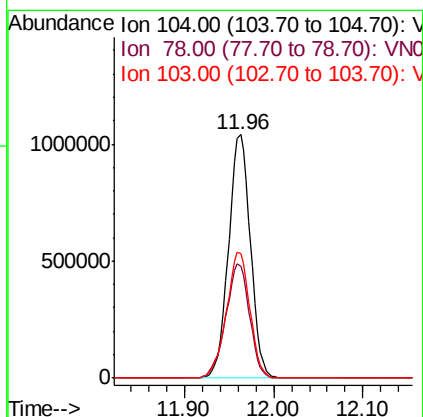
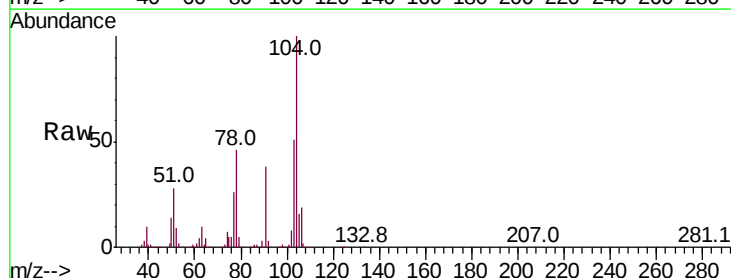
Instrument :
MSVOA_N
ClientSampled :

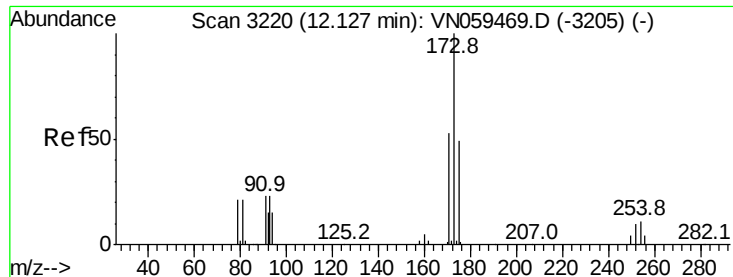
Tot Ion:106 Resp: 1052682
Ion Ratio Lower Upper
106 100
91 210.0 108.5 325.3



#70
Styrene
Concen: 171.967 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion:104 Resp: 1766600
Ion Ratio Lower Upper
104 100
78 50.9 41.0 61.4
103 55.2 44.7 67.1





#71

Bromoform

Concen: 171.828 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

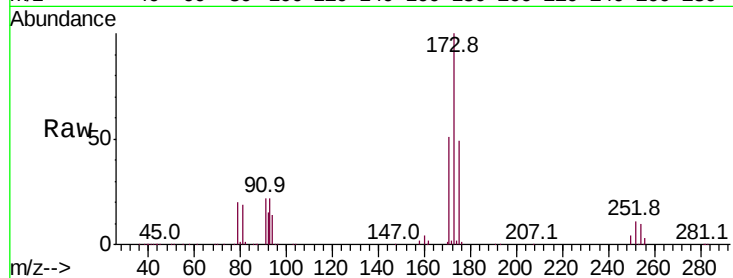
Tot Ion:173 Resp: 496823

Ion Ratio Lower Upper

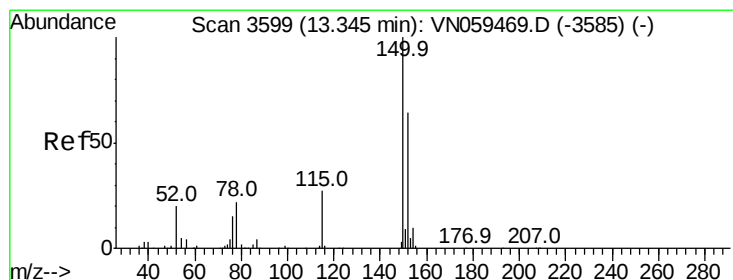
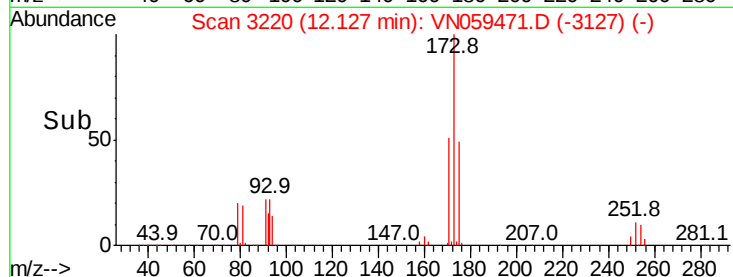
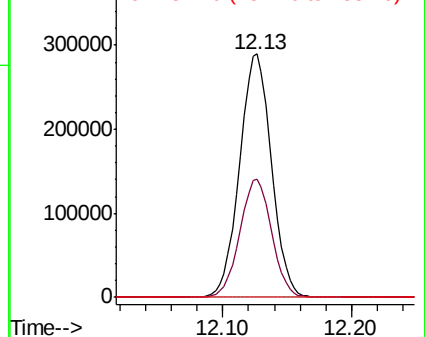
173 100

175 48.6 24.3 73.0

254 0.1 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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

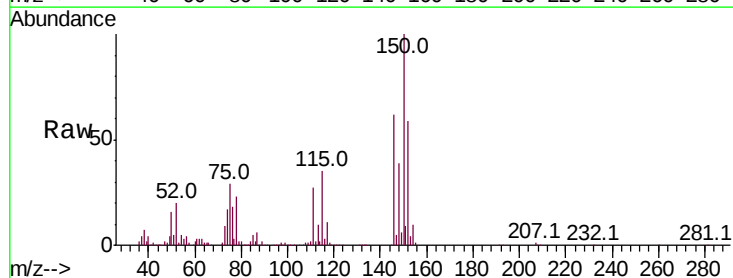
Tgt Ion:152 Resp: 242831

Ion Ratio Lower Upper

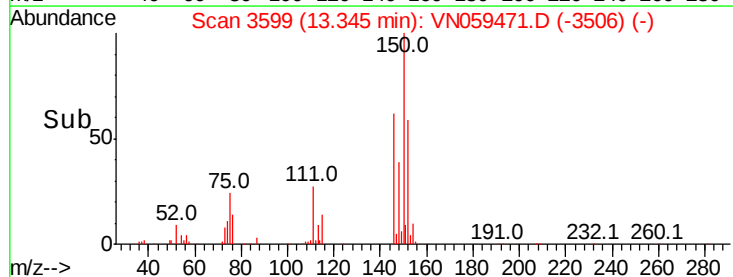
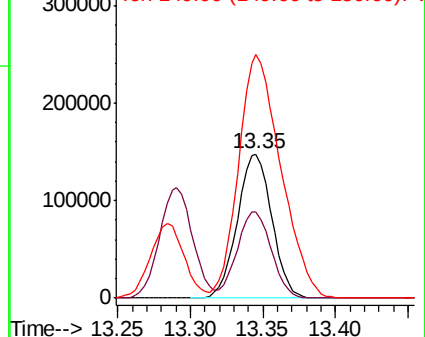
152 100

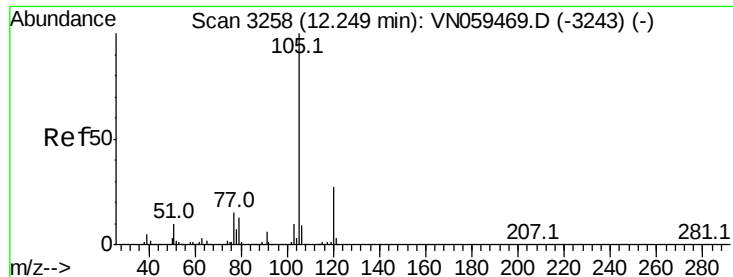
115 60.0 29.2 87.6

150 207.8 0.0 352.8



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: 148.798 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

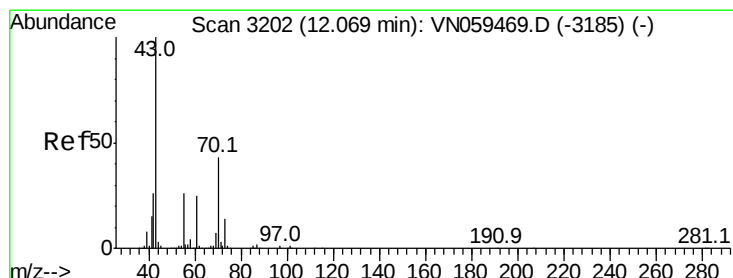
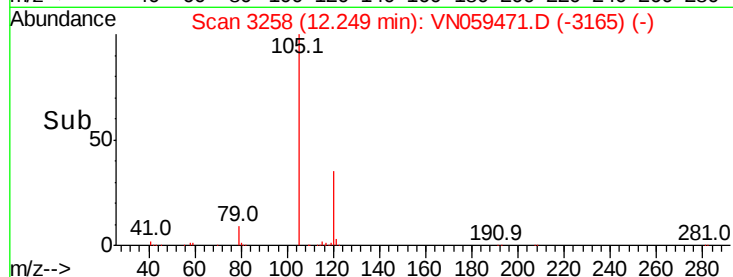
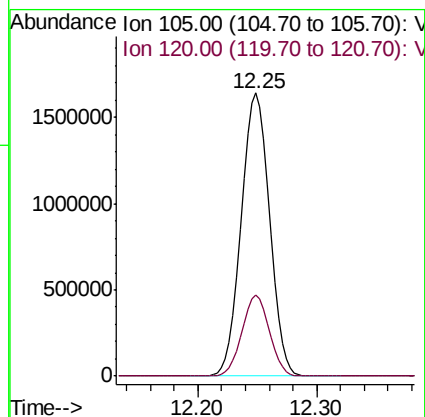
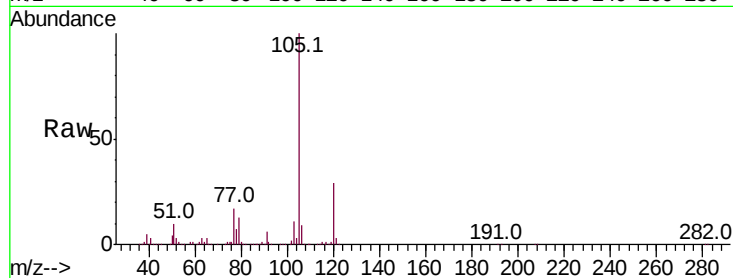
ClientSampleId :

Tot Ion:105 Resp: 2710166

Ion Ratio Lower Upper

105 100

120 27.6 13.2 39.6



#74

N-ethyl acetate

Concen: 178.669 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Tgt Ion: 43 Resp: 1242709

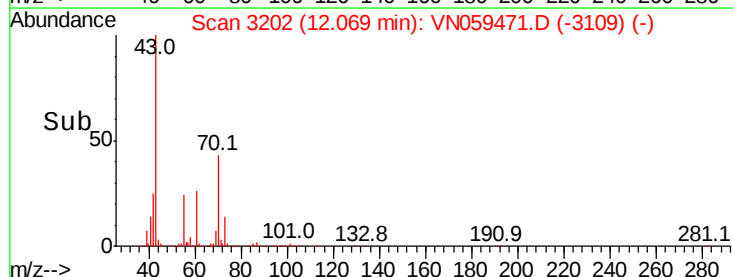
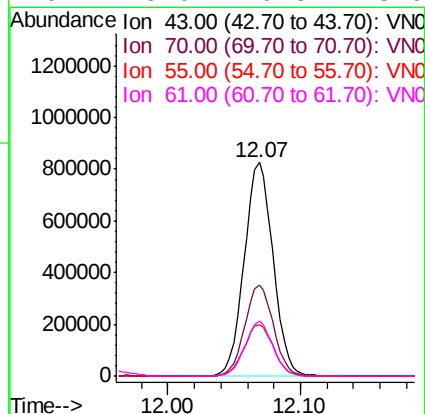
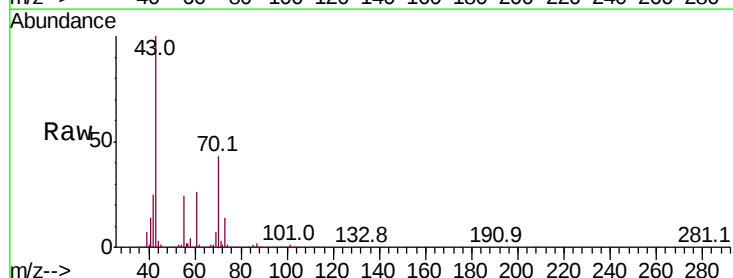
Ion Ratio Lower Upper

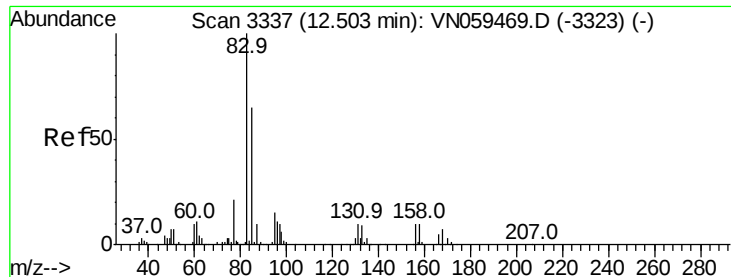
43 100

70 42.4 34.2 51.2

55 24.6 20.6 31.0

61 25.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 146.860 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

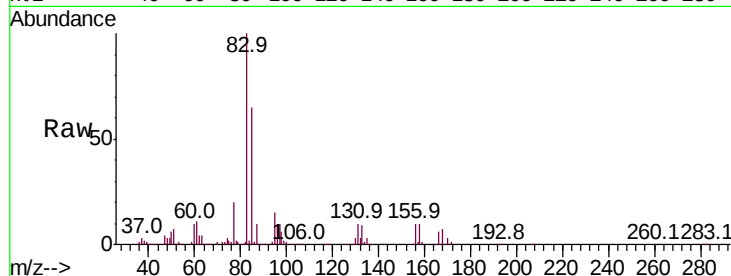
Tot Ion: 83 Resp: 877904

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

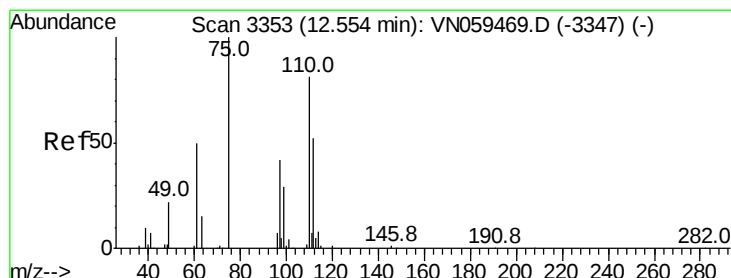
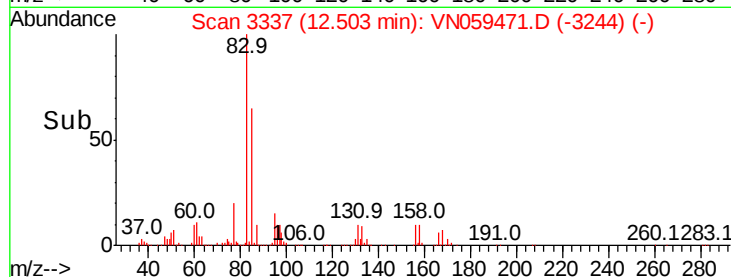
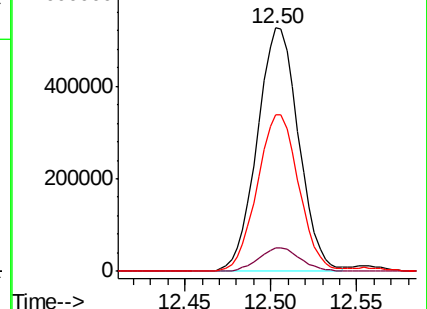
85 64.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 216.739 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059471.D

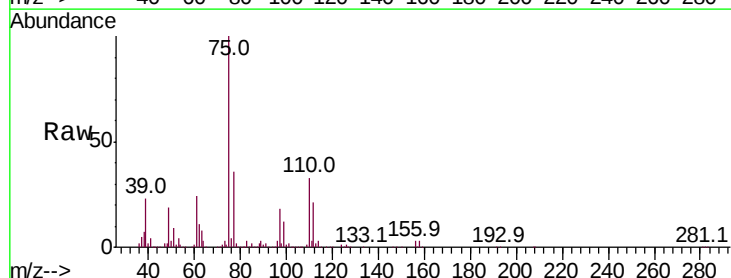
Acq: 3 Dec 2019 15:09

Tgt Ion: 75 Resp: 1223102

Ion Ratio Lower Upper

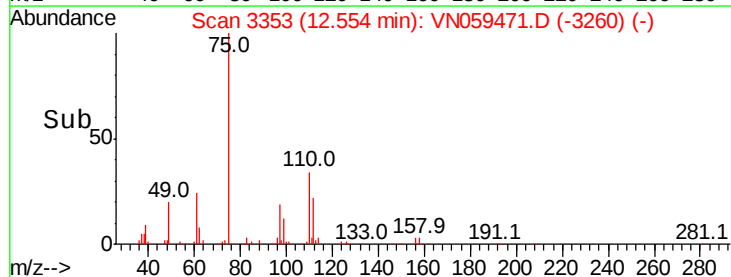
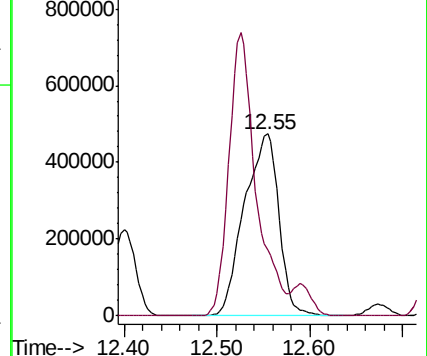
75 100

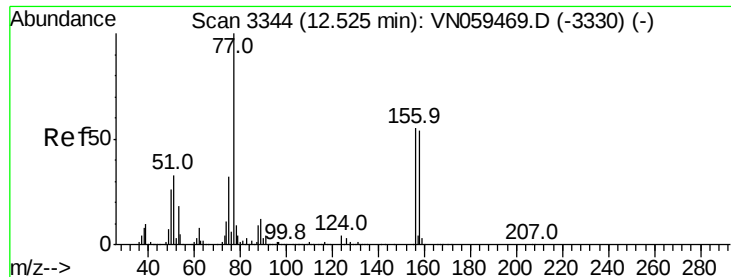
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 151.227 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

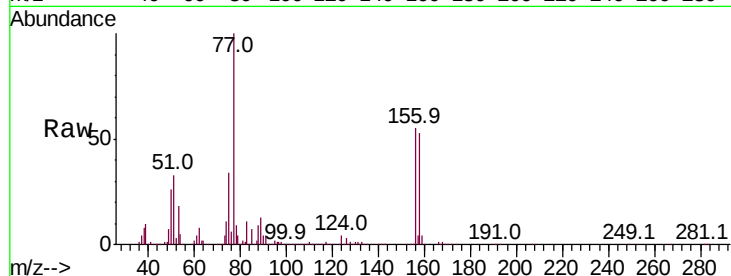
Tot Ion:156 Resp: 674093

Ion Ratio Lower Upper

156 100

77 223.1 110.3 331.0

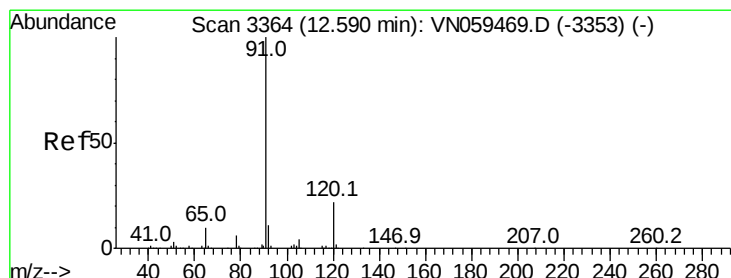
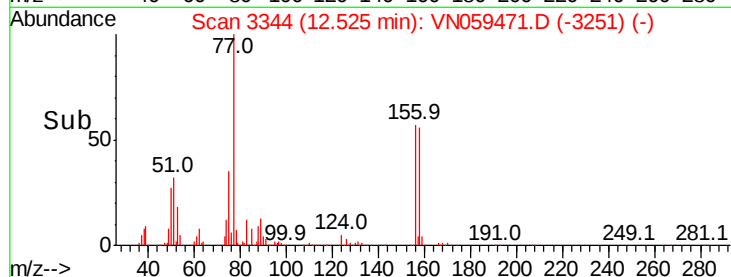
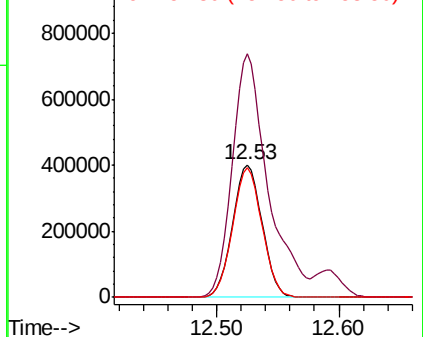
158 97.2 48.5 145.5



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: 148.394 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059471.D

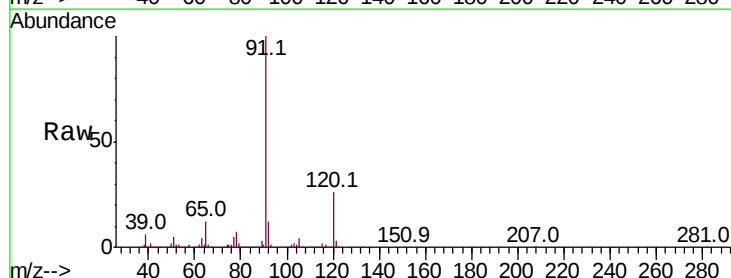
Acq: 3 Dec 2019 15:09

Tgt Ion: 91 Resp: 3122341

Ion Ratio Lower Upper

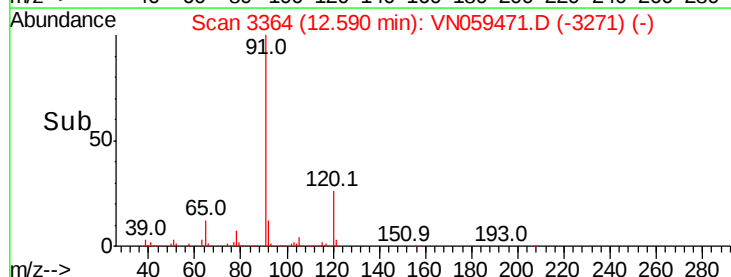
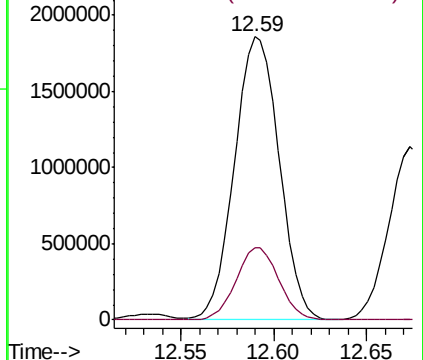
91 100

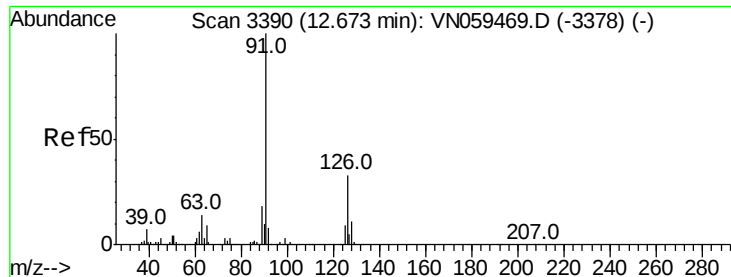
120 24.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 152.318 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

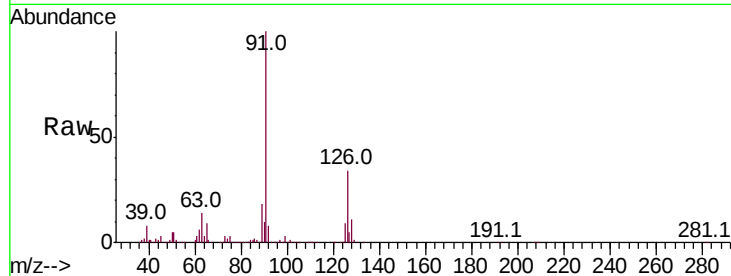
ClientSampleId :

Tot Ion: 91 Resp: 1914272

Ion Ratio Lower Upper

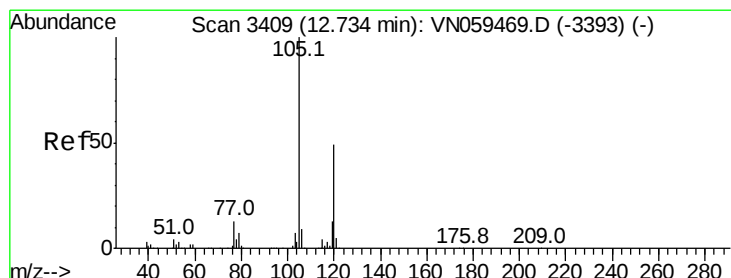
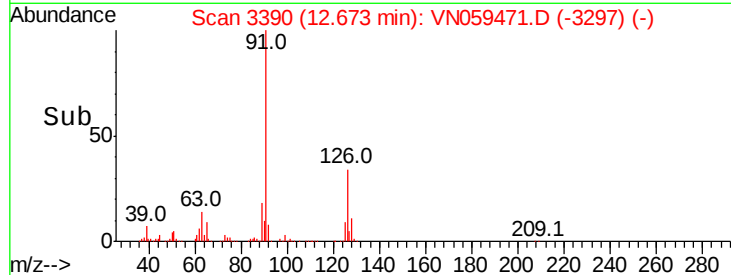
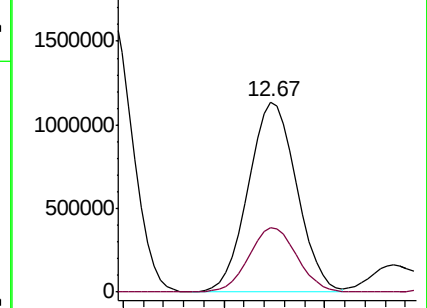
91 100

126 33.7 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN059471.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059471.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 151.390 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059471.D

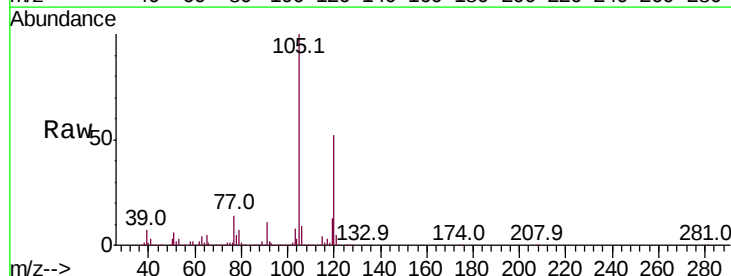
Acq: 3 Dec 2019 15:09

Tgt Ion:105 Resp: 2318004

Ion Ratio Lower Upper

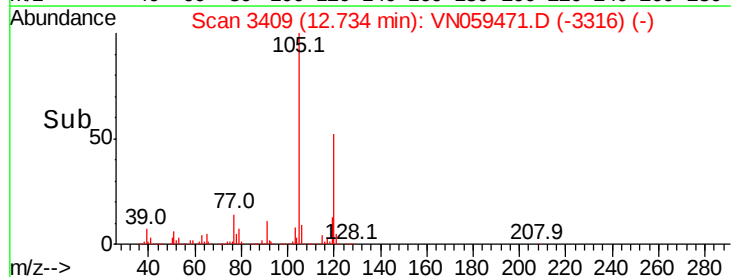
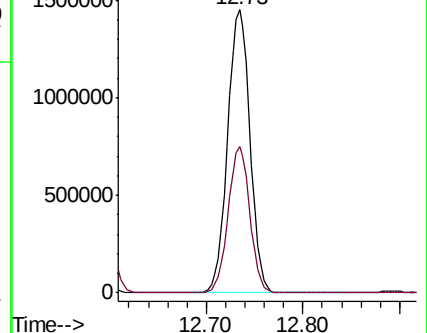
105 100

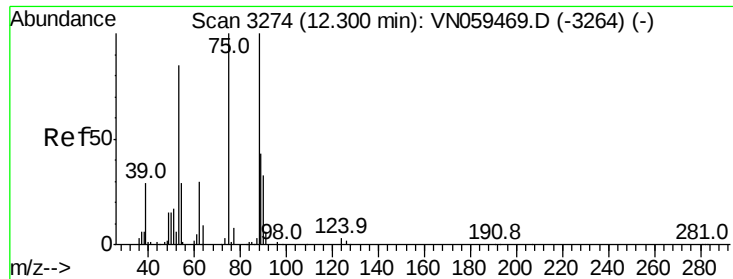
120 50.0 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059471.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059471.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 163.552 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

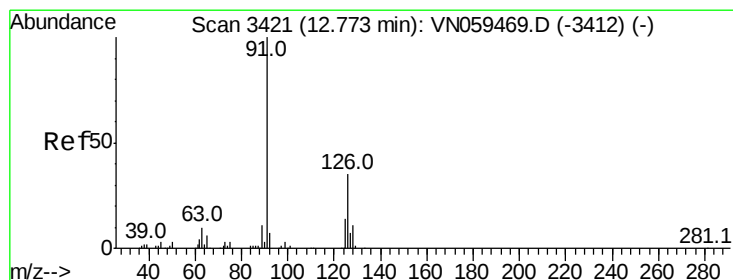
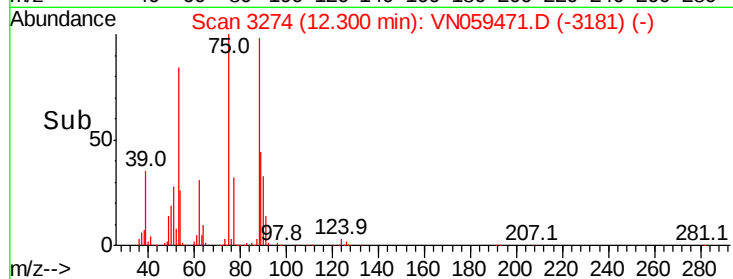
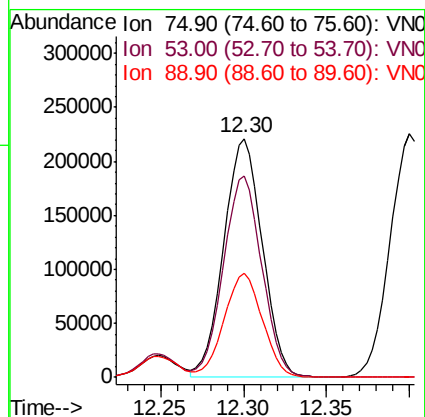
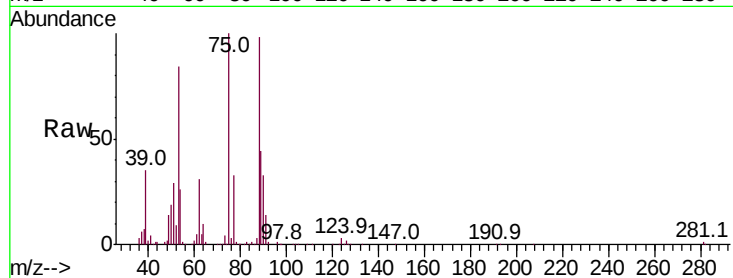
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 357546

Ion	Ratio	Lower	Upper
75	100		
53	84.1	69.8	104.6
89	43.0	35.2	52.8



#82

4-Chlorotoluene

Concen: 153.641 ug/l

RT: 12.77 min Scan# 3421

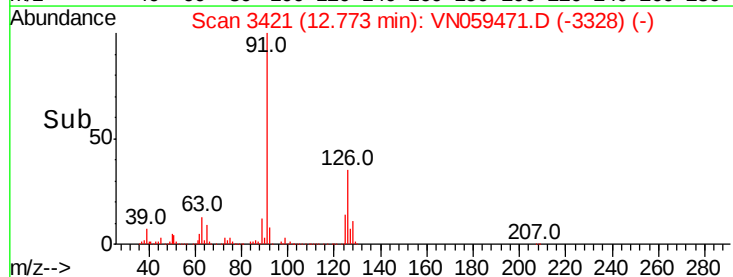
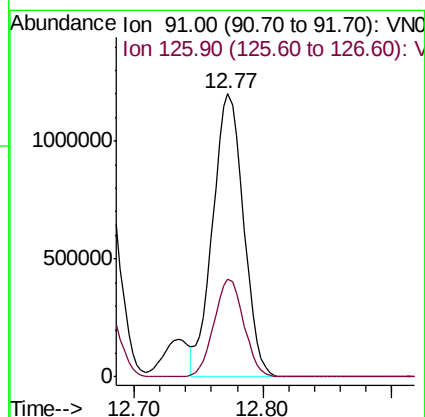
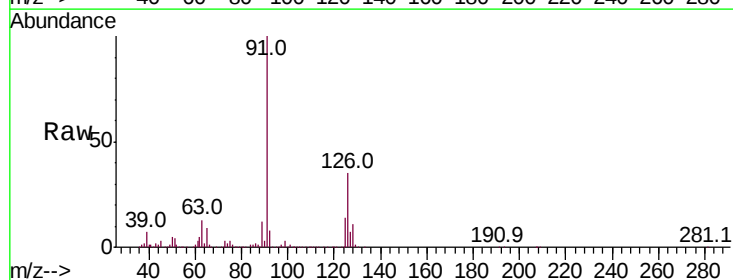
Delta R.T. -0.00 min

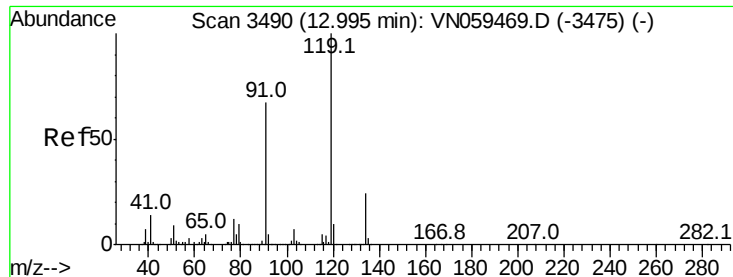
Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Tgt Ion: 91 Resp: 1989037

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.2





#83

tert-Butylbenzene

Concen: 151.348 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

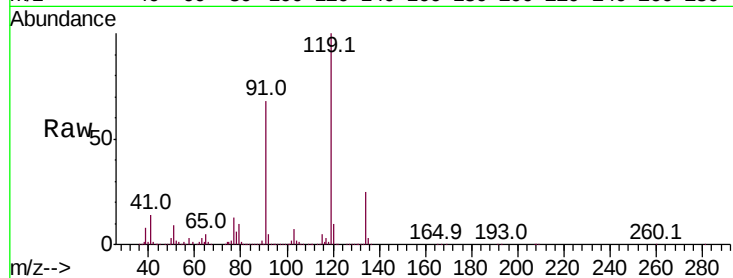
Tot Ion:119 Resp: 1995673

Ion Ratio Lower Upper

119 100

91 66.3 32.6 97.7

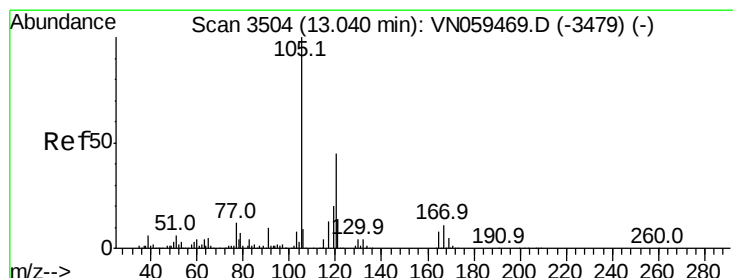
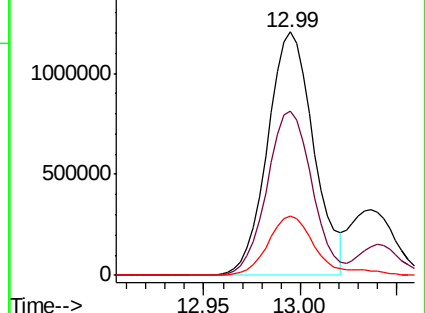
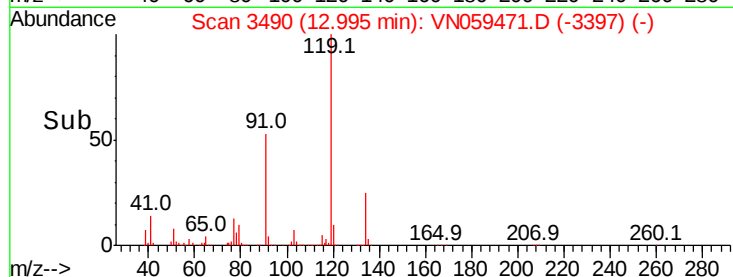
134 25.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 153.781 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059471.D

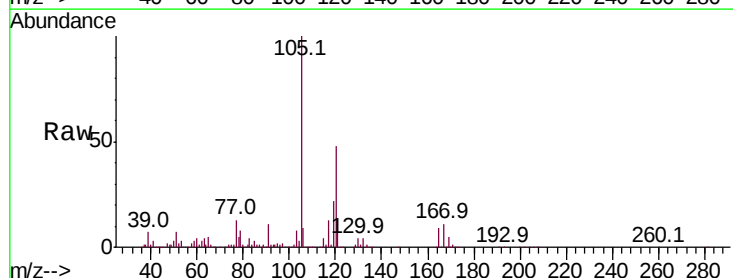
Acq: 3 Dec 2019 15:09

Tgt Ion:105 Resp: 2307612

Ion Ratio Lower Upper

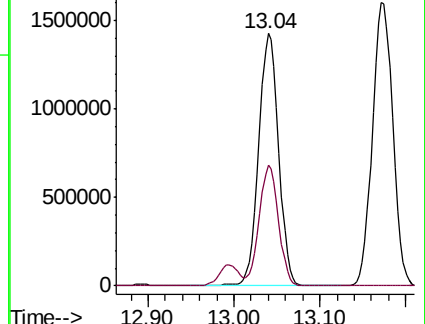
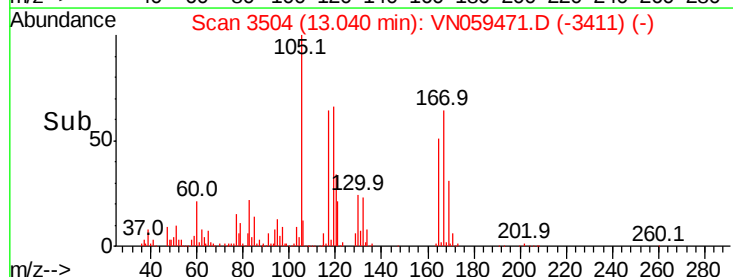
105 100

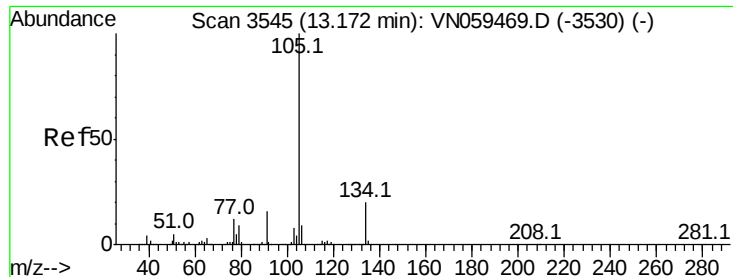
120 46.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 151.749 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

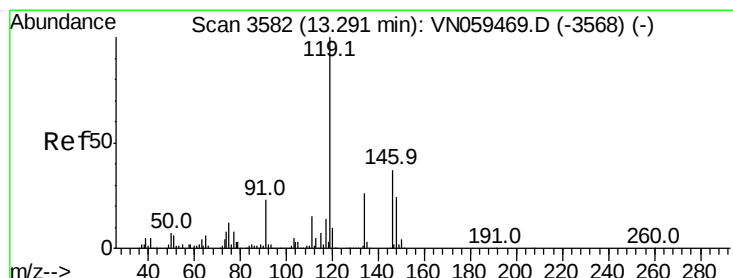
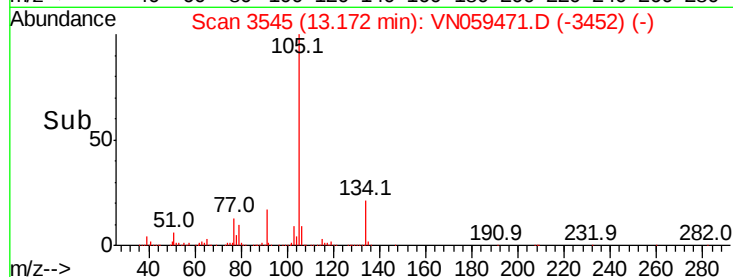
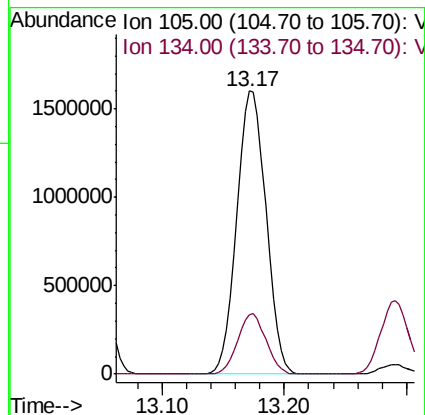
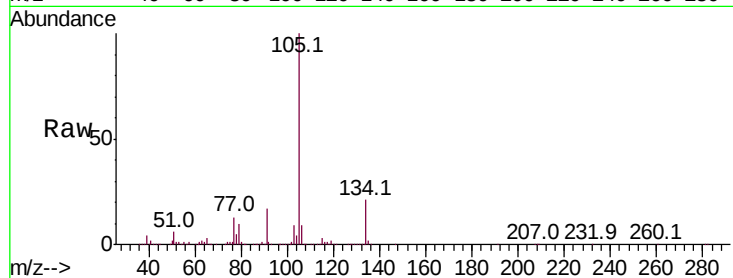
ClientSampled :

Tot Ion:105 Resp: 2653672

Ion Ratio Lower Upper

105 100

134 20.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 153.781 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

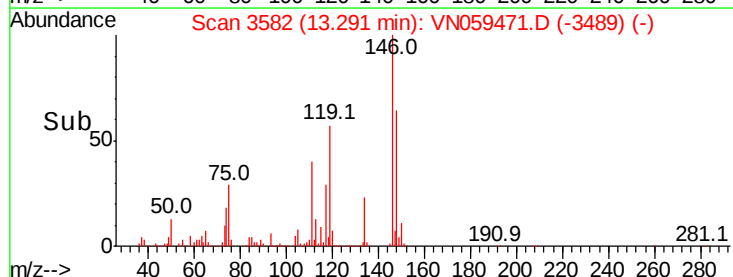
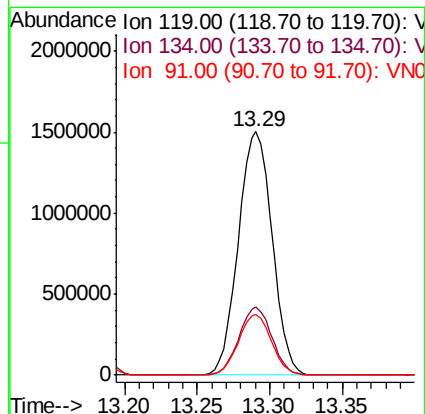
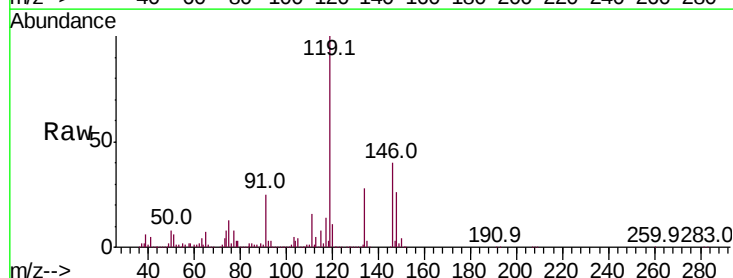
Tgt Ion:119 Resp: 2429002

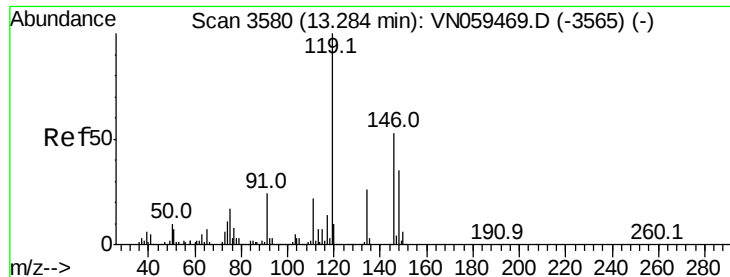
Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 24.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 152.947 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

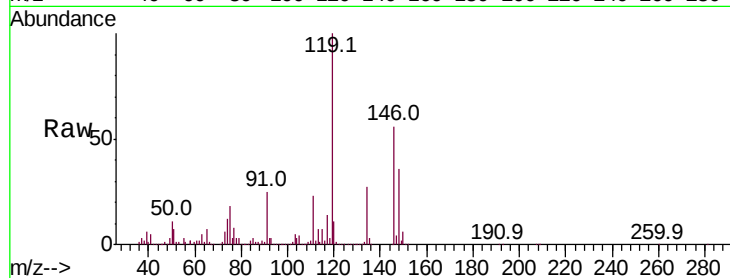
Tot Ion:146 Resp: 1207539

Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

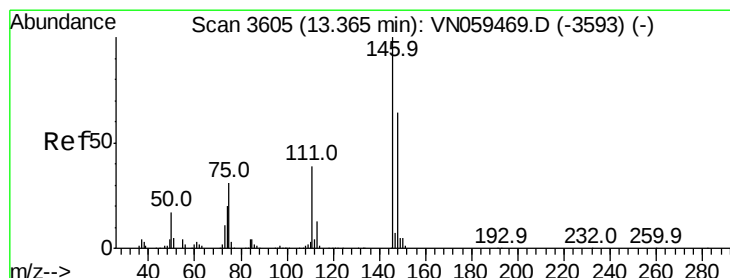
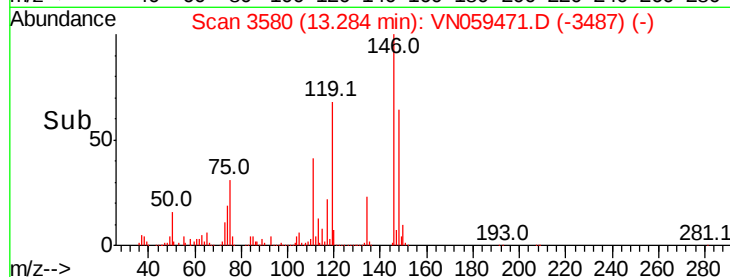
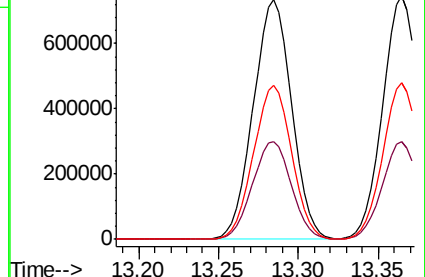
148 64.0 32.1 96.5



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: 151.201 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

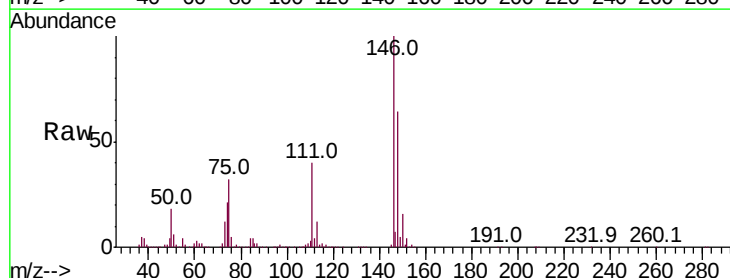
Tgt Ion:146 Resp: 1200125

Ion Ratio Lower Upper

146 100

111 39.9 19.8 59.3

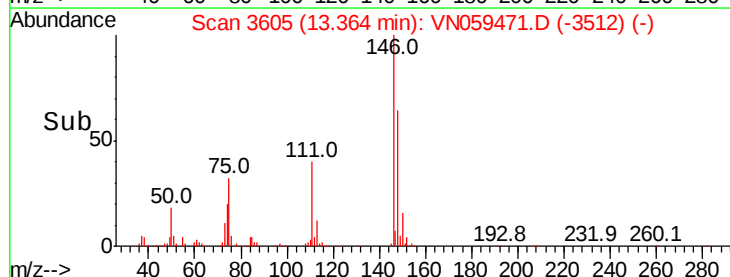
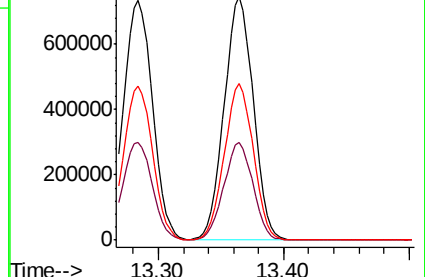
148 64.1 32.0 96.0

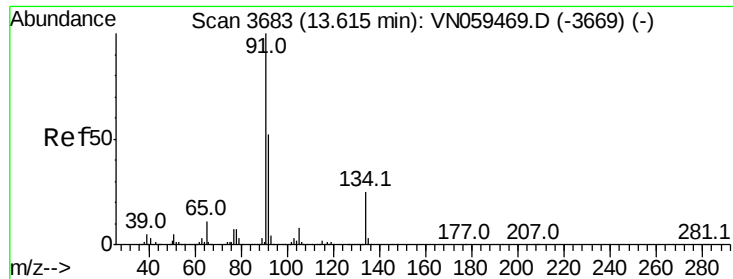


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

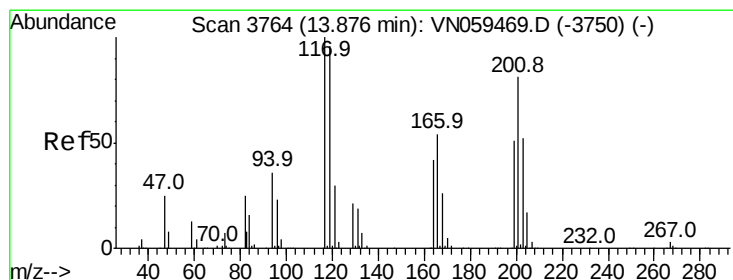
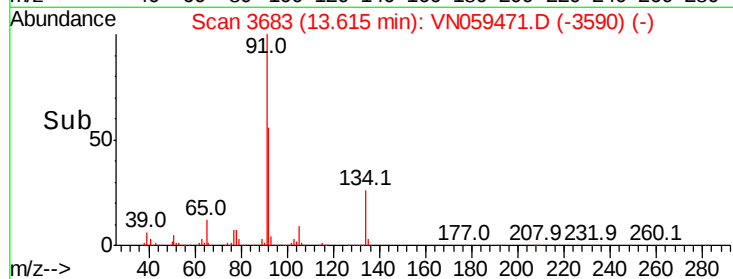
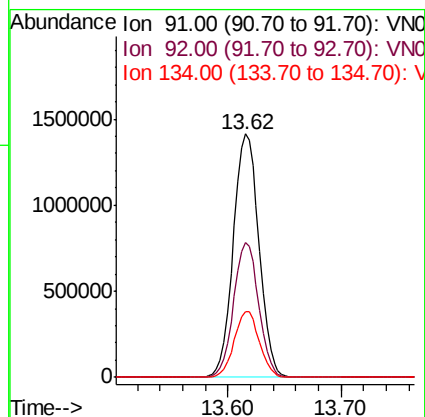
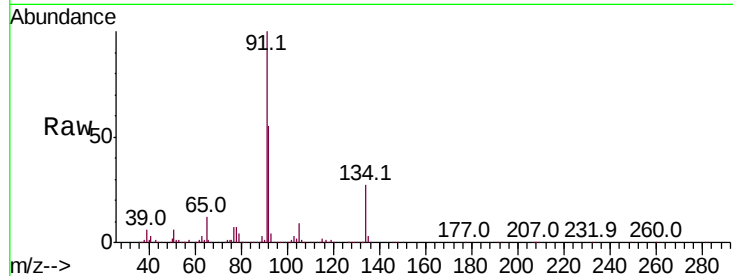




#89
n-Butylbenzene
Concen: 161.141 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

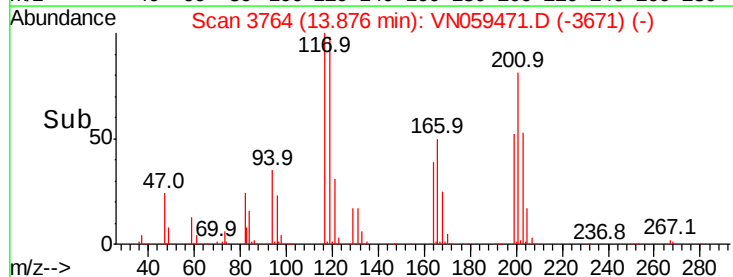
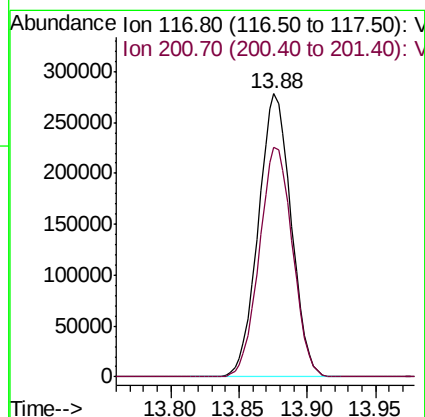
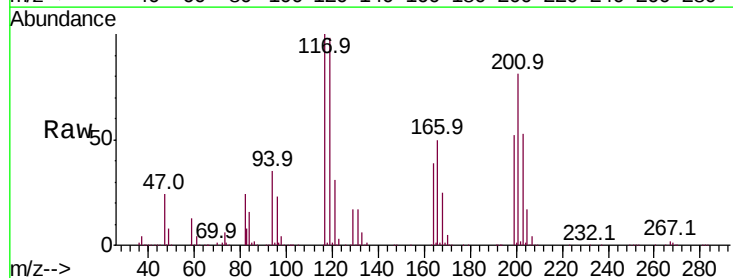
Instrument :
MSVOA_N
ClientSampleId :

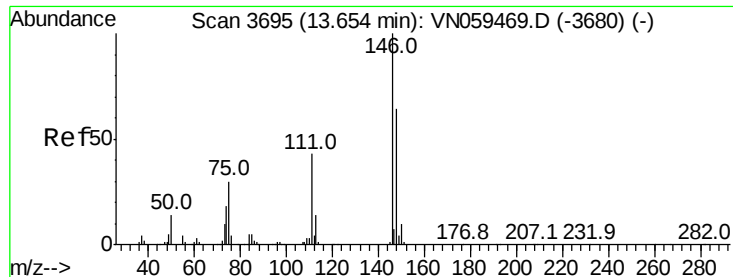
Tot Ion: 91 Resp: 2228338
Ion Ratio Lower Upper
91 100
92 54.2 25.9 77.8
134 26.5 12.6 37.6



#90
Hexachloroethane
Concen: 153.646 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059471.D
Acq: 3 Dec 2019 15:09

Tgt Ion: 117 Resp: 464856
Ion Ratio Lower Upper
117 100
201 82.1 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 149.065 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

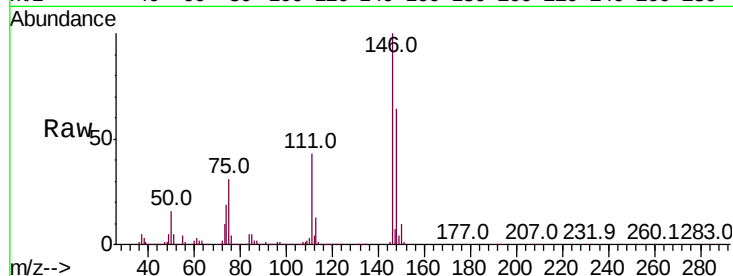
Tot Ion:146 Resp: 1153262

Ion Ratio Lower Upper

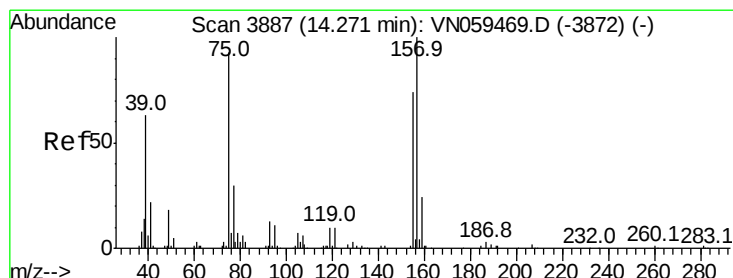
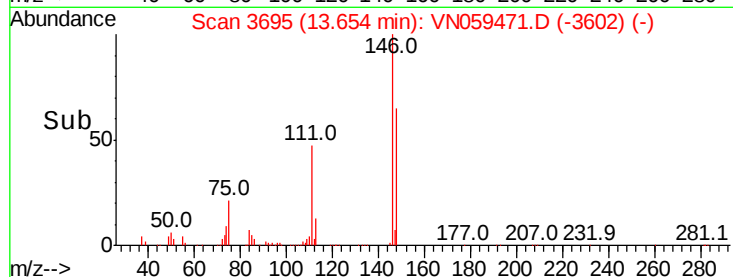
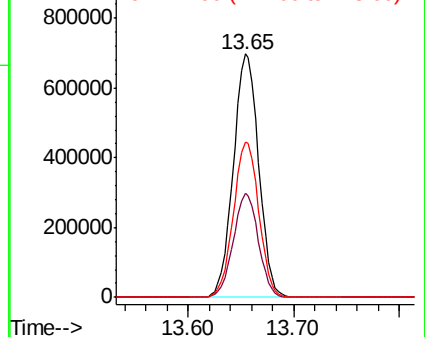
146 100

111 42.3 21.3 63.7

148 64.0 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 142.004 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

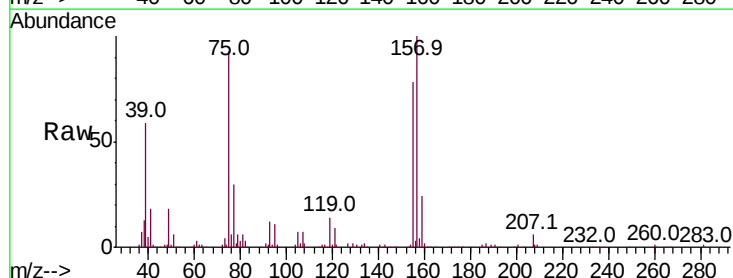
Tgt Ion: 75 Resp: 192804

Ion Ratio Lower Upper

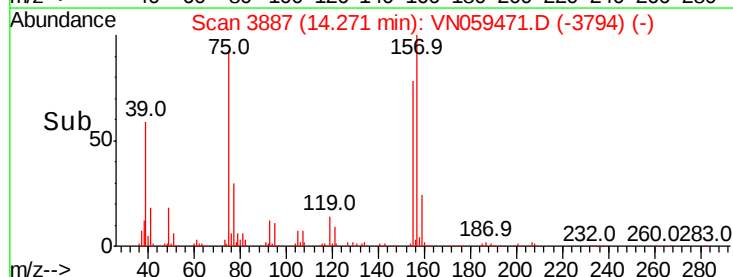
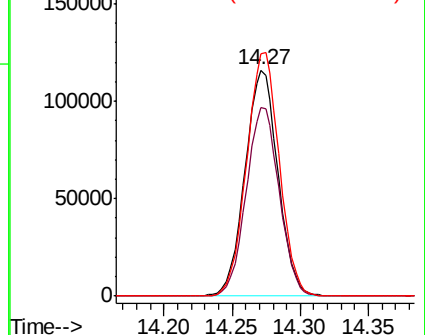
75 100

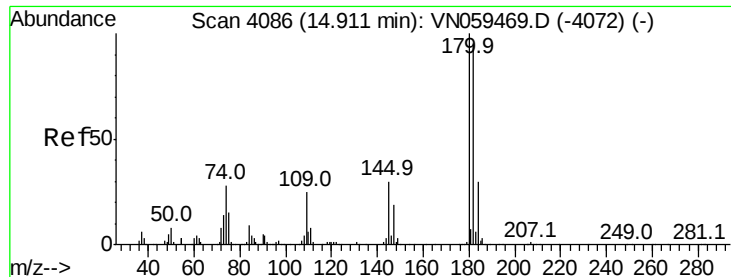
155 84.3 40.6 122.0

157 107.9 52.9 158.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

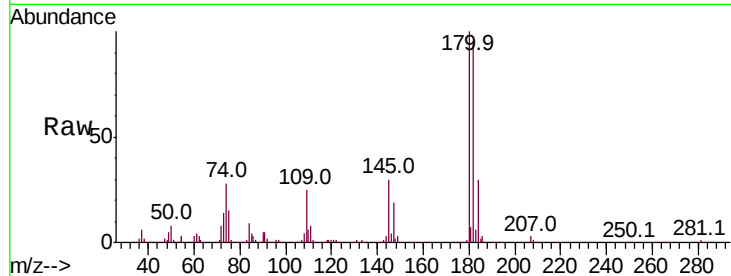




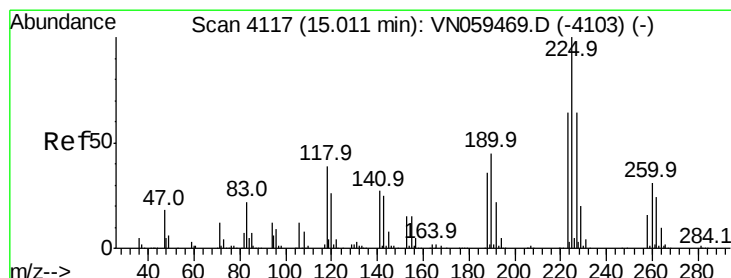
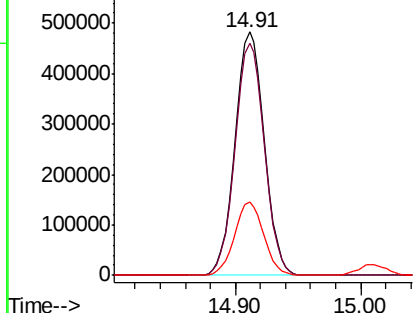
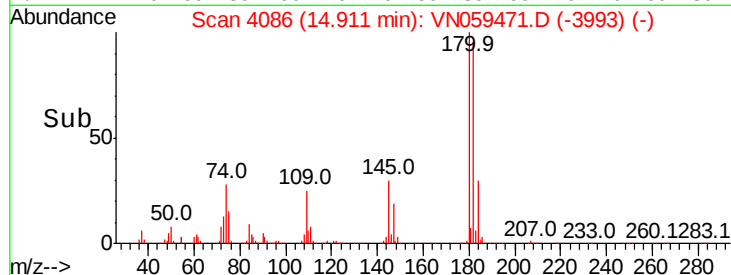
#93
 1,2,4-Trichlorobenzene
 Concen: 163.953 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	30.2	15.2	45.6

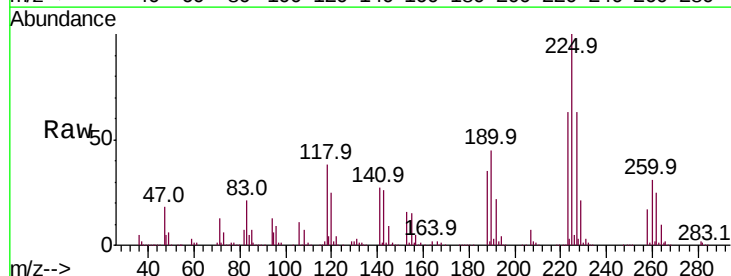


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

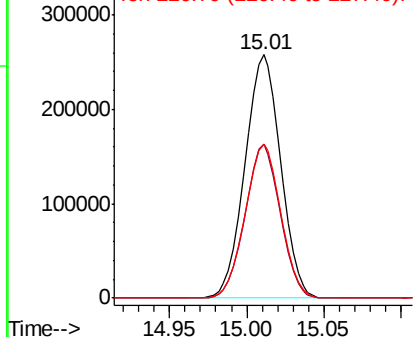
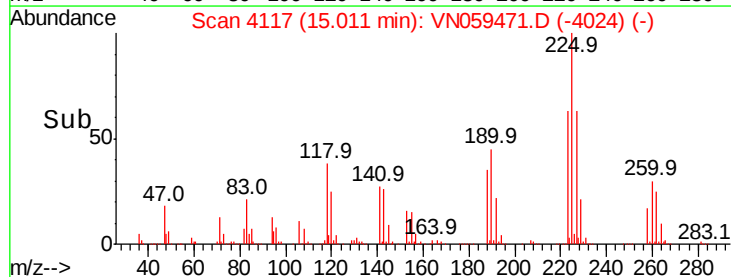


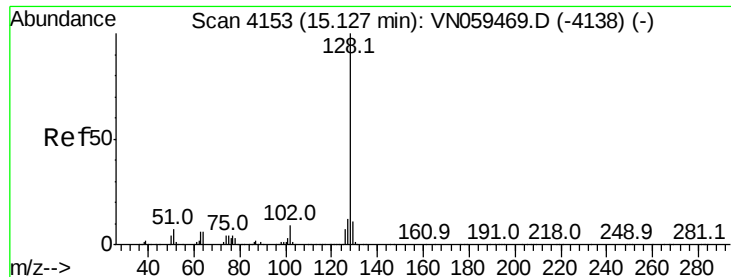
#94
 Hexachlorobutadiene
 Concen: 140.646 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059471.D
 Acq: 3 Dec 2019 15:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	63.1	32.0	96.2



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





#95

Naphthalene

Concen: 157.416 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

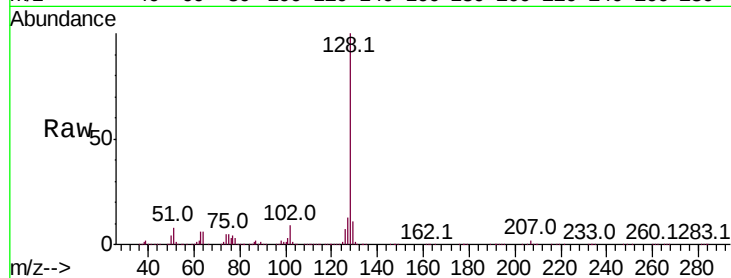
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 2136345

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.8	13.2

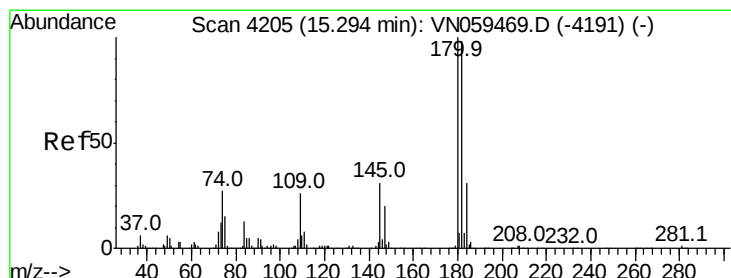
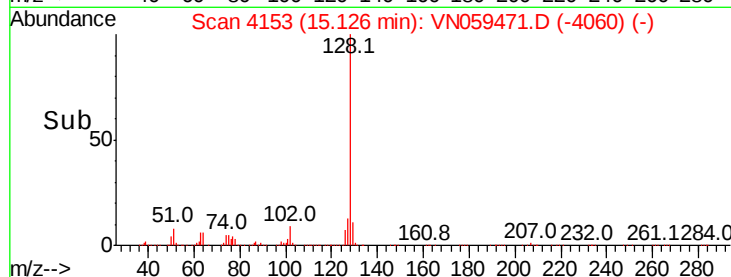


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 153.538 ug/l

RT: 15.29 min Scan# 4205

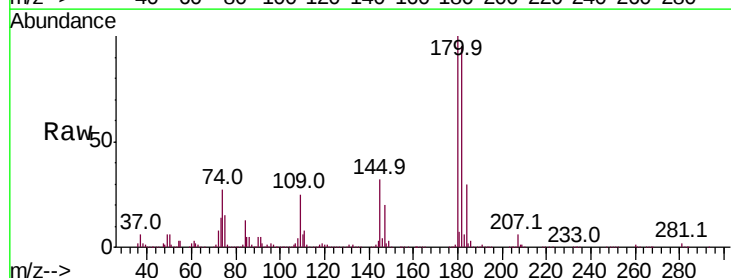
Delta R.T. -0.00 min

Lab File: VN059471.D

Acq: 3 Dec 2019 15:09

Tgt Ion:180 Resp: 778161

Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.5
145	31.7	16.1	48.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

