

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059470.D
 Acq On : 3 Dec 2019 14:47
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 15:09:17 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	361083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	569310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	512696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	448417	104.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.96%	
35) Dibromofluoromethane	7.57	113	359848	103.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.50%	
50) Toluene-d8	10.08	98	1417667	101.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.94%	
62) 4-Bromofluorobenzene	12.40	95	506754	104.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	375374	90.431	ug/l	99
3) Chloromethane	2.04	50	502346	96.770	ug/l	99
4) Vinyl Chloride	2.17	62	306849	66.170	ug/l	99
5) Bromomethane	2.53	94	192603	69.423	ug/l	99
6) Chloroethane	2.67	64	180302	68.614	ug/l	98
7) Trichlorofluoromethane	2.99	101	385444	68.962	ug/l	97
8) Diethyl Ether	3.39	74	250428	102.971	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	374173	101.984	ug/l	99
10) Methyl Iodide	3.92	142	512245	106.658	ug/l	99
11) Tert butyl alcohol	4.76	59	417236	555.916	ug/l	99
12) 1,1-Dichloroethene	3.71	96	371097	103.229	ug/l	99
13) Acrolein	3.58	56	366653	514.790	ug/l	99
14) Allyl chloride	4.29	41	727403	108.135	ug/l	99
15) Acrylonitrile	4.95	53	1168155	558.237	ug/l	100
16) Acetone	3.79	43	1257200	607.130	ug/l	100
17) Carbon Disulfide	4.03	76	1190079	96.288	ug/l	100
18) Methyl Acetate	4.29	43	594890	105.824	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1298572	110.823	ug/l	99
20) Methylene Chloride	4.52	84	418977	101.034	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	412306	104.983	ug/l	100
22) Diisopropyl ether	5.92	45	1407322	112.109	ug/l	97
23) Vinyl Acetate	5.86	43	5706080	560.602	ug/l	98
24) 1,1-Dichloroethane	5.82	63	776350	107.752	ug/l	99
25) 2-Butanone	6.81	43	1706290	597.615	ug/l	99
26) 2,2-Dichloropropane	6.80	77	667375	108.694	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	462201	107.261	ug/l	100
28) Bromochloromethane	7.17	49	314671	128.094	ug/l	100
29) Tetrahydrofuran	7.19	42	1074938	566.121	ug/l	100
30) Chloroform	7.35	83	740469	102.256	ug/l	99
31) Cyclohexane	7.63	56	737315	102.116	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	645998	108.992	ug/l	100
36) 1,1-Dichloropropene	7.77	75	599781	108.335	ug/l	99
37) Ethyl Acetate	6.90	43	656257	109.936	ug/l	99
38) Carbon Tetrachloride	7.75	117	579434	110.334	ug/l	99

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Instrument :
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Quant Time: Dec 03 15:09:17 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)
39) Methylcyclohexane	9.07	83	740764	111.759	ug/l	99
40) Benzene	8.02	78	1748949	106.238	ug/l	98
41) Methacrylonitrile	7.18	41	933965	337.027	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	590374	112.243	ug/l	100
43) Isopropyl Acetate	8.14	43	1042350	115.479	ug/l	100
44) Trichloroethene	8.82	130	447706	106.857	ug/l	100
45) 1,2-Dichloropropane	9.10	63	470558	109.240	ug/l	99
46) Dibromomethane	9.19	93	293471	110.220	ug/l	99
47) Bromodichloromethane	9.39	83	597002	110.827	ug/l	100
48) Methyl methacrylate	9.18	41	470340	117.156	ug/l	100
49) 1,4-Dioxane	9.19	88	129663	2276.691	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	2976609	564.283	ug/l	97
52) Toluene	10.15	92	1071902	108.860	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	700687	113.081	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	755916	113.441	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	414818	107.189	ug/l	99
56) Ethyl methacrylate	10.42	69	684815	121.181	ug/l	99
57) 1,3-Dichloropropane	10.70	76	728306	109.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1172959	719.889	ug/l	99
59) 2-Hexanone	10.74	43	2286734	583.107	ug/l	98
60) Dibromochloromethane	10.90	129	461767	114.752	ug/l	100
61) 1,2-Dibromoethane	11.00	107	440921	111.192	ug/l	100
64) Tetrachloroethene	10.63	164	421264	109.622	ug/l	99
65) Chlorobenzene	11.43	112	1110527	105.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	414682	108.837	ug/l	100
67) Ethyl Benzene	11.51	91	2010366	108.778	ug/l	98
68) m/p-Xylenes	11.62	106	1522544	220.135	ug/l	96
69) o-Xylene	11.95	106	718009	108.695	ug/l	99
70) Styrene	11.96	104	1213053	117.101	ug/l	99
71) Bromoform	12.13	173	339569	116.465	ug/l #	100
73) Isopropylbenzene	12.25	105	1927807	105.833	ug/l	99
74) N-amyl acetate	12.07	43	836848	120.306	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	612510	102.454	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	846364	149.966	ug/l #	100
77) Bromobenzene	12.53	156	464901	104.287	ug/l	99
78) n-propylbenzene	12.59	91	2249991	106.924	ug/l	99
79) 2-Chlorotoluene	12.67	91	1328080	105.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1626680	106.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	242529	110.929	ug/l	98
82) 4-Chlorotoluene	12.77	91	1377819	106.418	ug/l	100
83) tert-Butylbenzene	12.99	119	1392171	105.570	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1604540	106.918	ug/l	99
85) sec-Butylbenzene	13.17	105	1875437	107.236	ug/l	99
86) p-Isopropyltoluene	13.29	119	1701340	107.702	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	835768	105.848	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	826054	104.063	ug/l	100
89) n-Butylbenzene	13.62	91	1559452	112.760	ug/l	98
90) Hexachloroethane	13.88	117	316639	104.647	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	787731	101.809	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	129998	95.737	ug/l	99

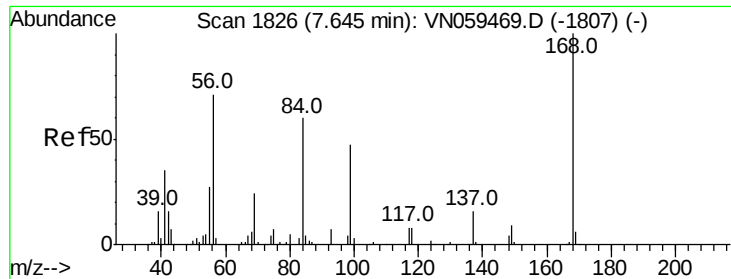
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
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Quant Title : SW846 8260
QLast Update : Tue Dec 03 14:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	533746	112.049	ug/l	99
94) Hexachlorobutadiene	15.01	225	283337	96.108	ug/l	99
95) Naphthalene	15.13	128	1479642	109.017	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	528276	104.224	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

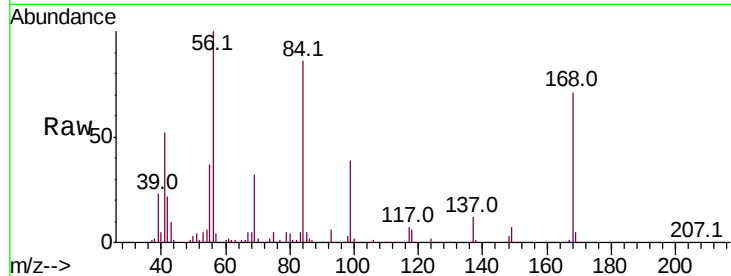
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 361083

Ion Ratio Lower Upper

168 100

99 54.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

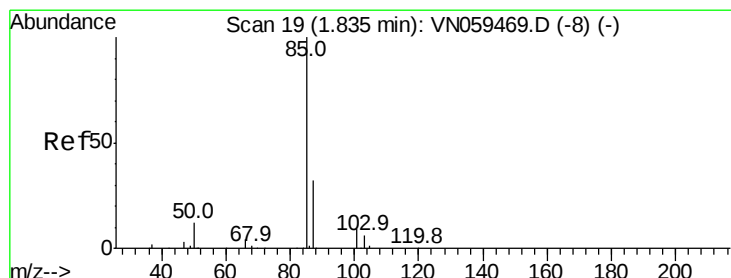
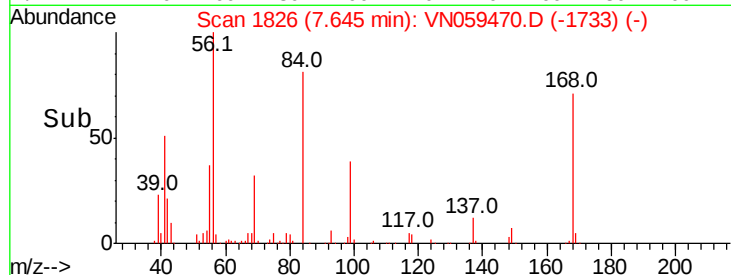
50000

0

7.64

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 90.431 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059470.D

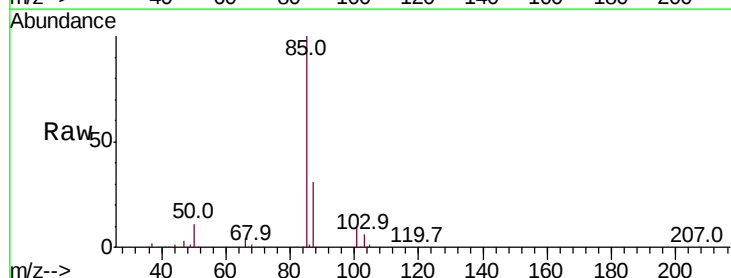
Acq: 3 Dec 2019 14:47

Tgt Ion: 85 Resp: 375374

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

250000

200000

150000

100000

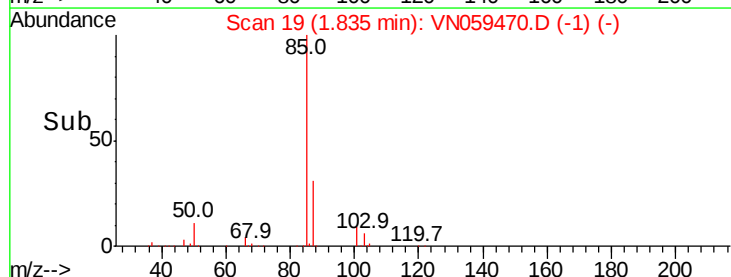
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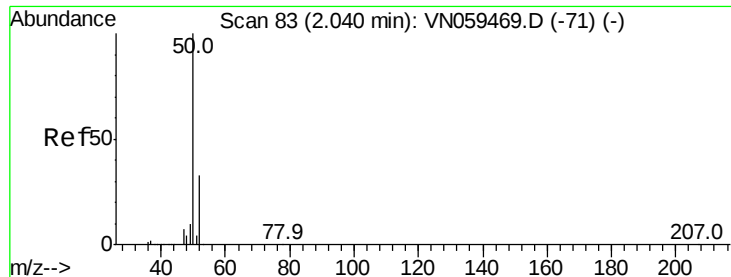
0

1.83

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 96.770 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

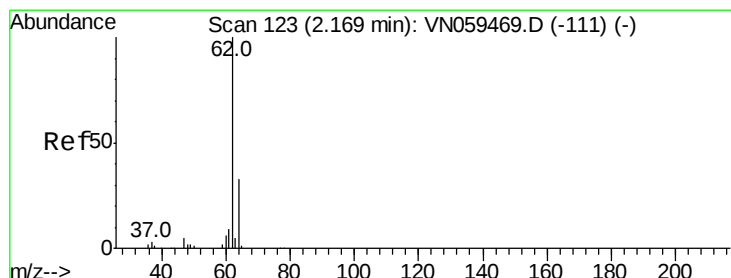
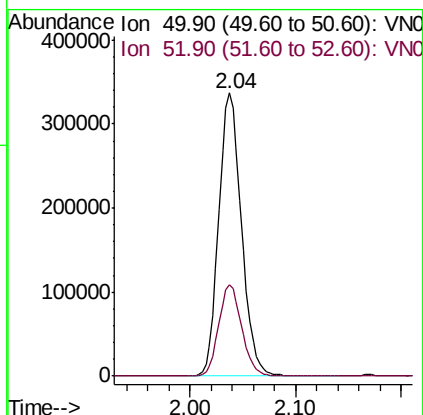
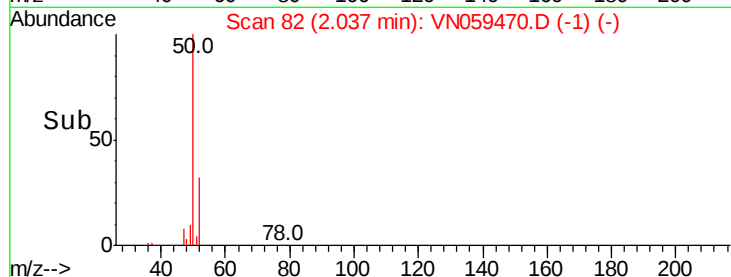
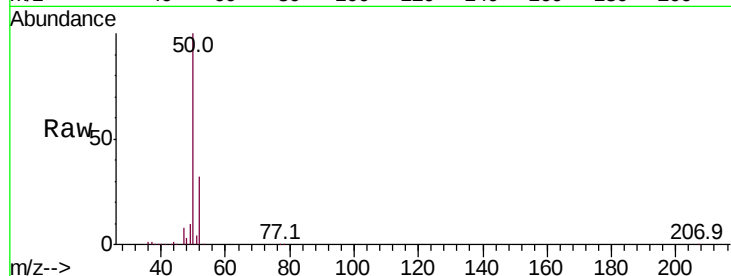
ClientSampleId :

Tot Ion: 50 Resp: 502346

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7



#4

Vinyl Chloride

Concen: 66.170 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059470.D

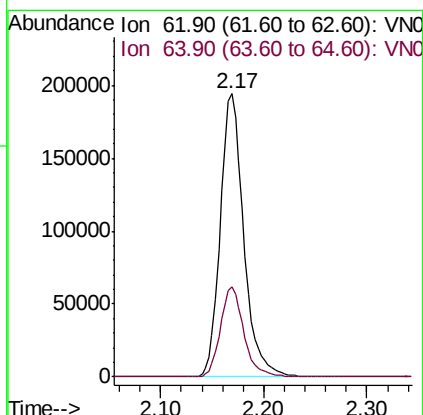
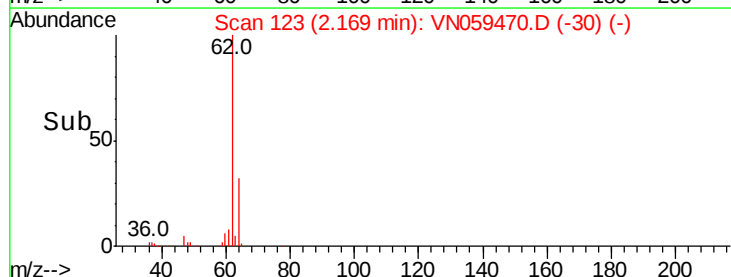
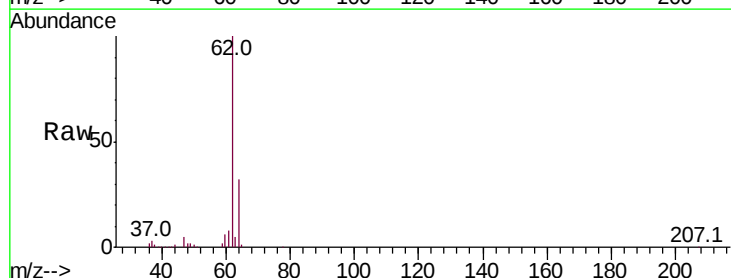
Acq: 3 Dec 2019 14:47

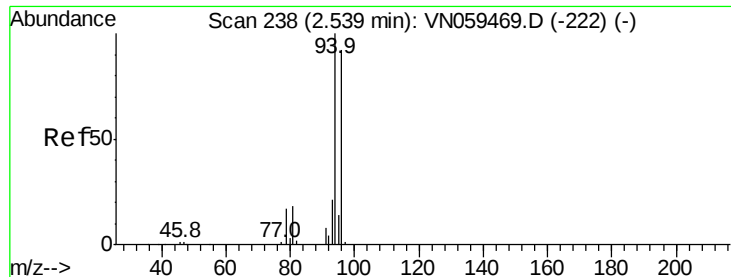
Tgt Ion: 62 Resp: 306849

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 69.423 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

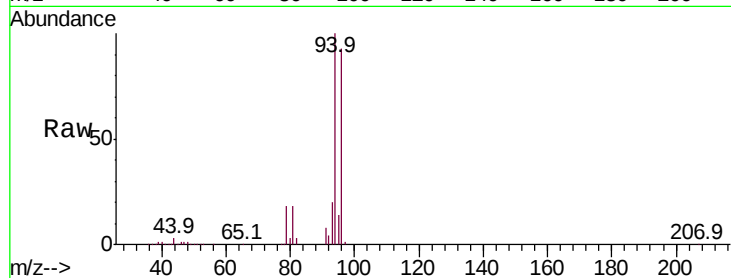
ClientSampled :

Tot Ion: 94 Resp: 192603

Ion Ratio Lower Upper

94 100

96 92.7 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.53

100000

80000

60000

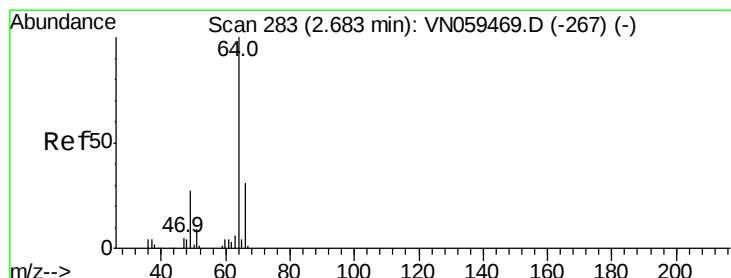
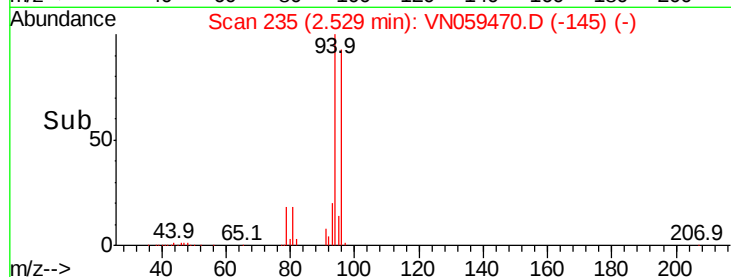
40000

20000

0

Time-->

2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 68.614 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059470.D

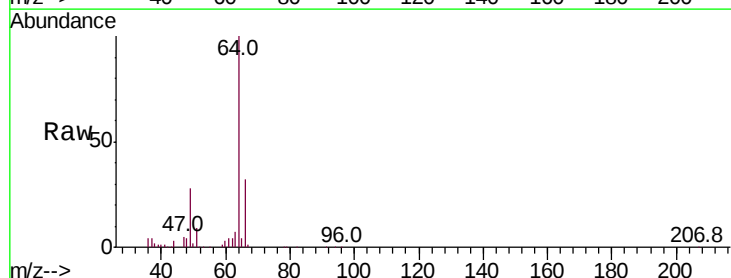
Acq: 3 Dec 2019 14:47

Tgt Ion: 64 Resp: 180302

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.67

100000

80000

60000

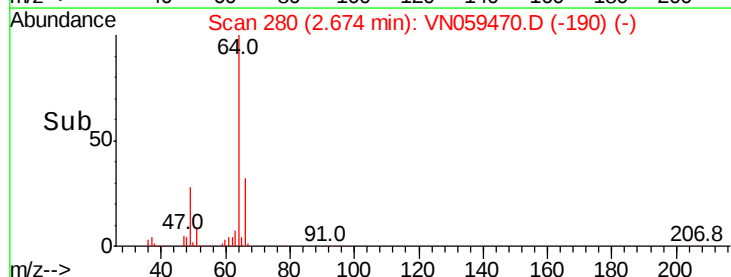
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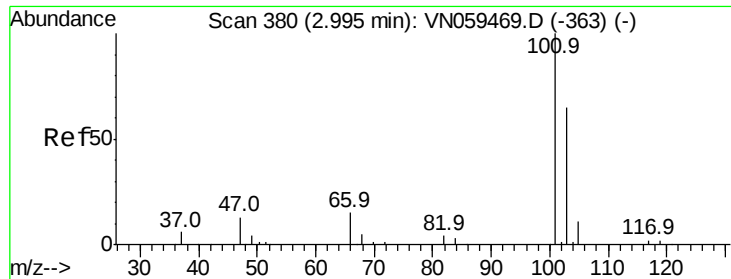
20000

0

Time-->

2.60 2.70 2.80



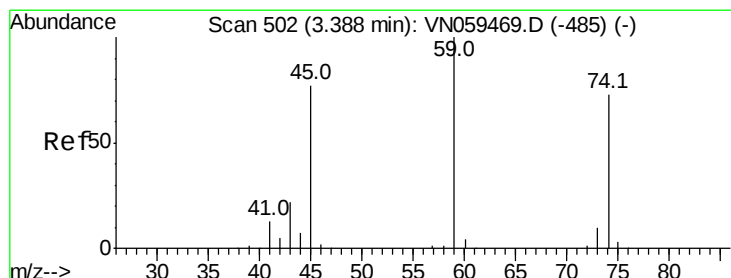
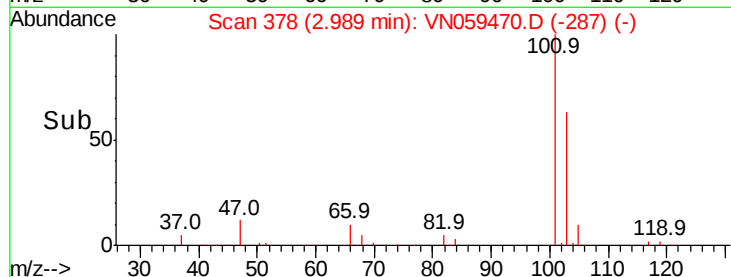
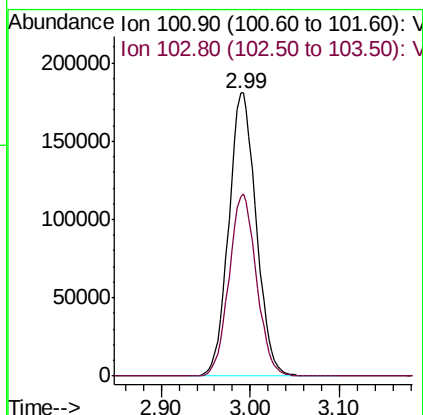
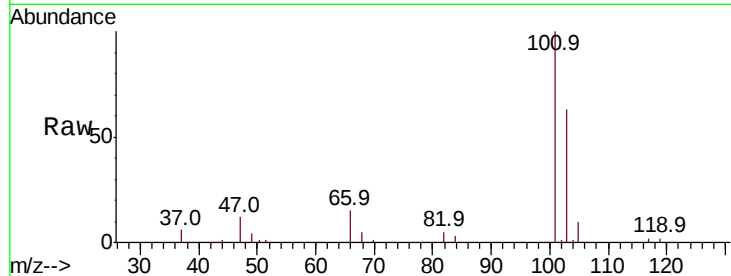


#7

Trichlorofluoromethane
 Concen: 68.962 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :

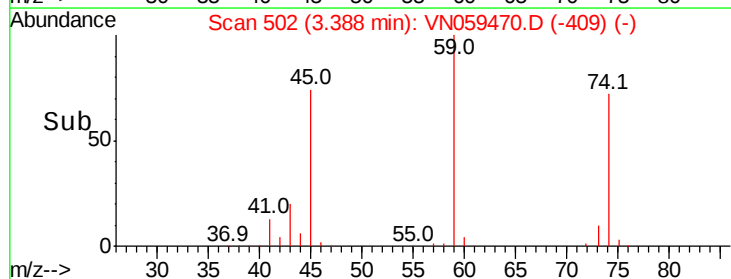
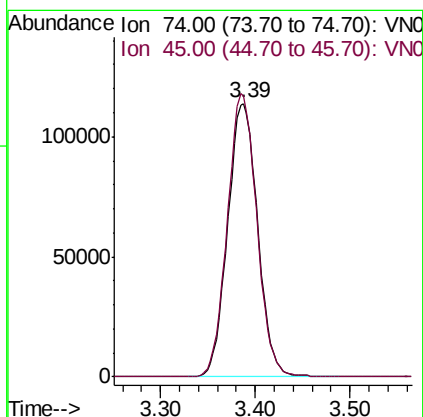
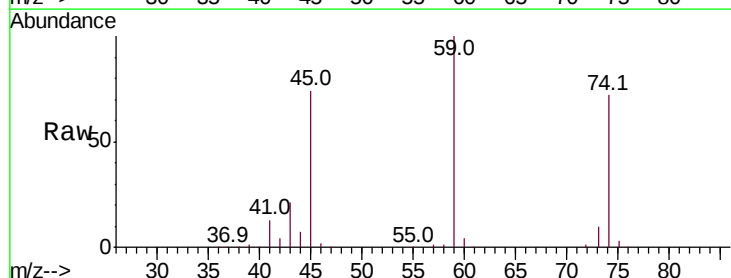
Tot Ion:101 Resp: 385444
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.4 78.6

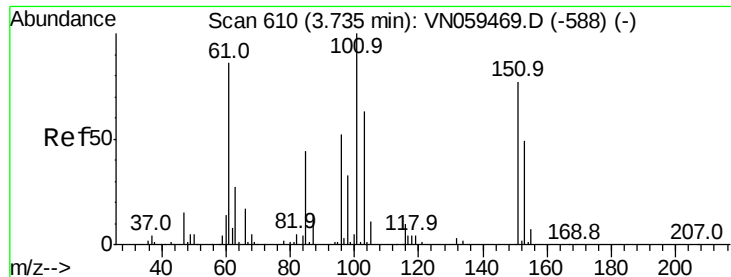


#8

Diethyl Ether
 Concen: 102.971 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 74 Resp: 250428
 Ion Ratio Lower Upper
 74 100
 45 102.4 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.984 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

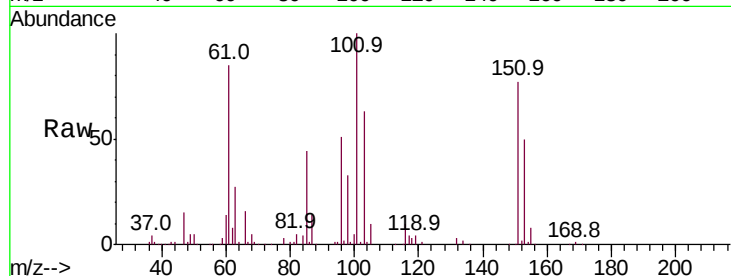
Tot Ion:101 Resp: 374173

Ion Ratio Lower Upper

101 100

85 43.6 35.2 52.8

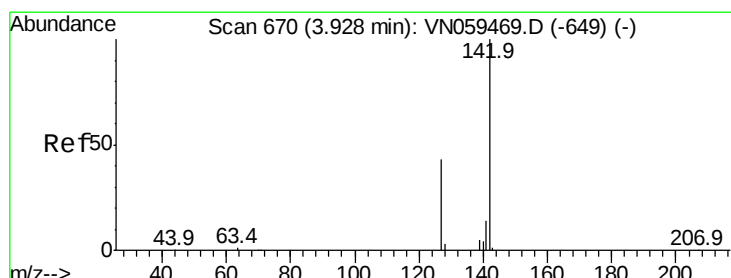
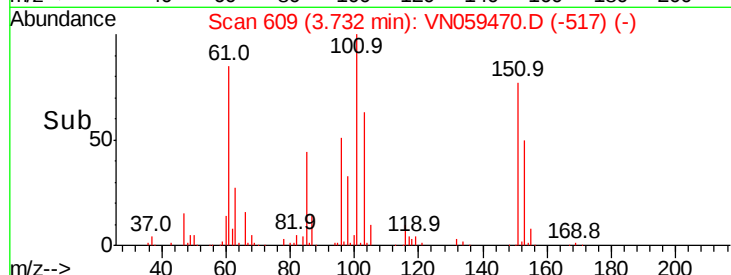
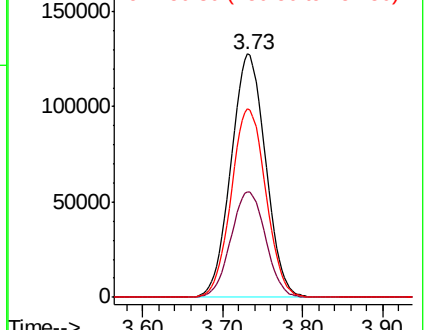
151 77.6 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 106.658 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

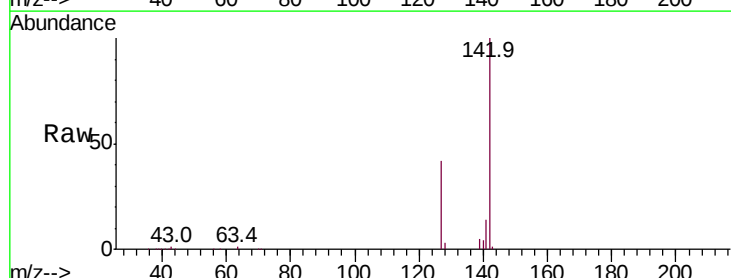
Tgt Ion:142 Resp: 512245

Ion Ratio Lower Upper

142 100

127 42.5 34.6 52.0

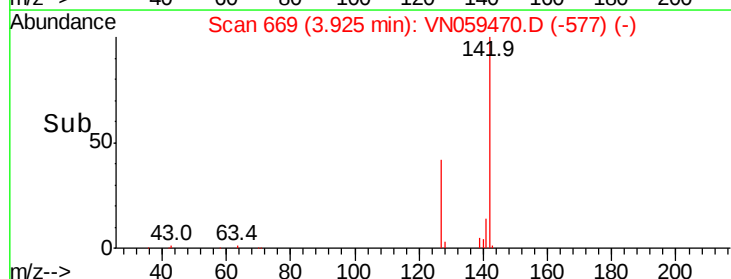
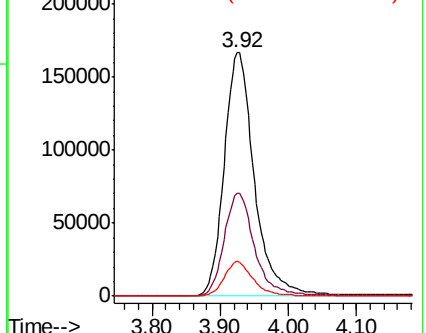
141 13.9 11.4 17.0

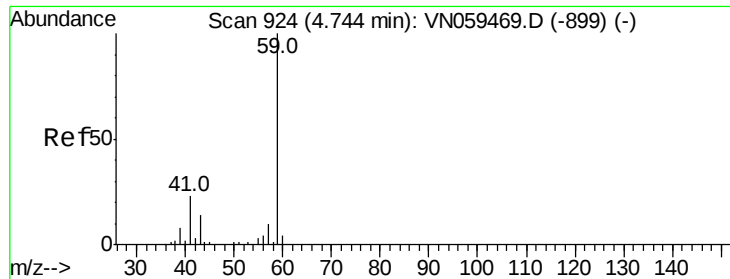


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

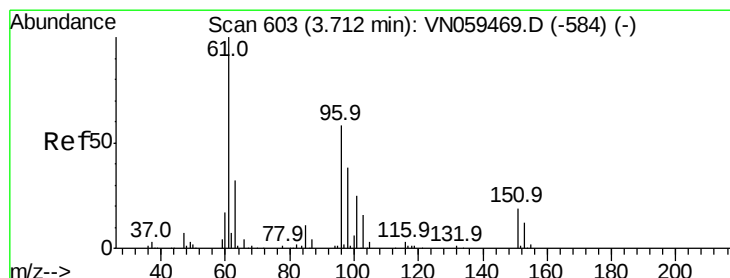
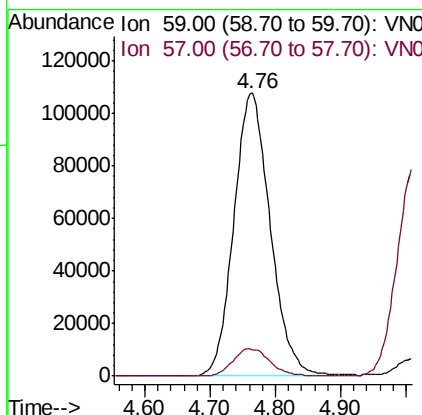
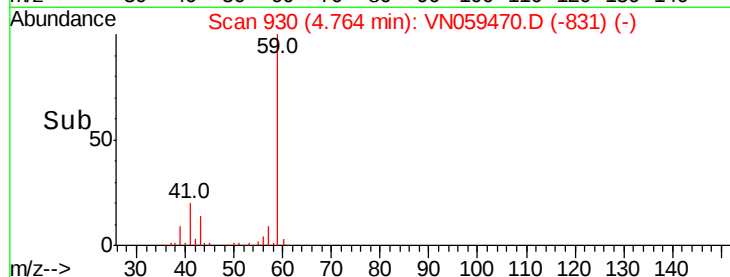
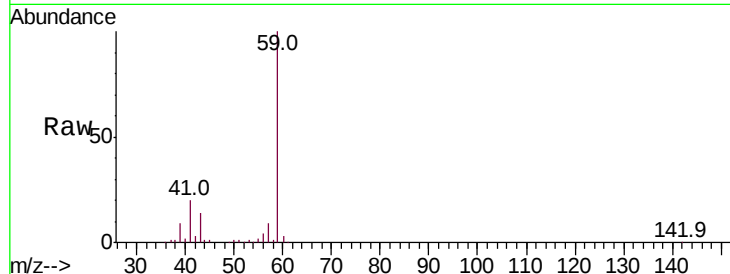




#11
Tert butyl alcohol
Concen: 555.916 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.02 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

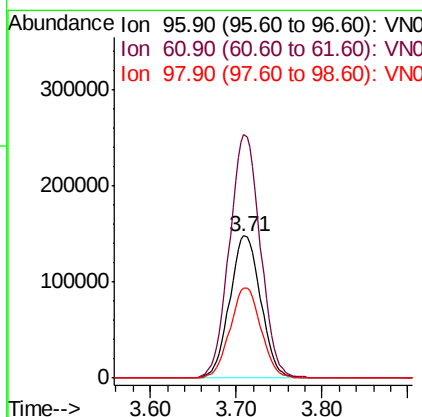
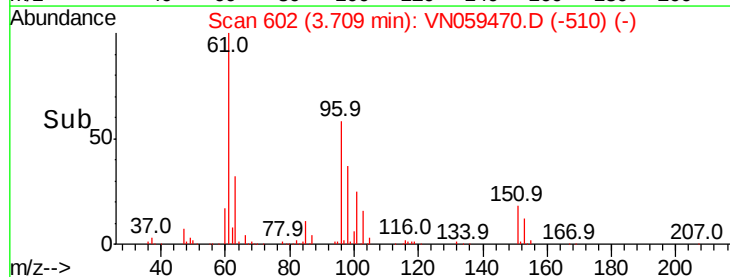
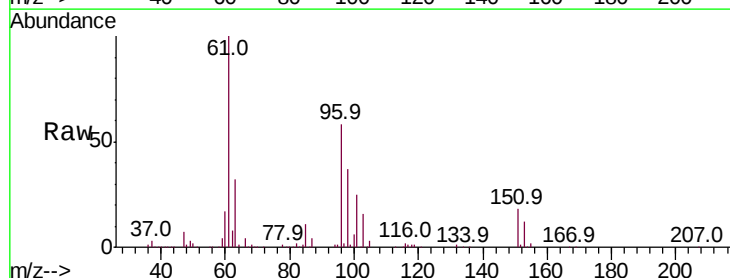
Instrument :
MSVOA_N
ClientSampled :

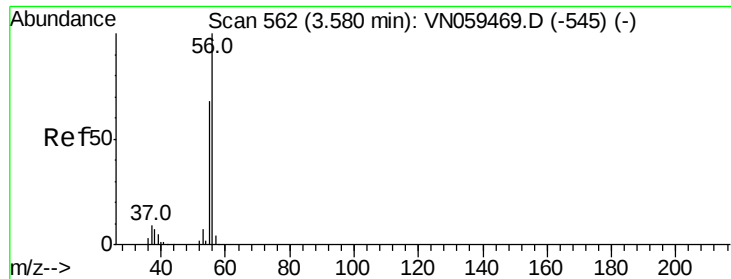
Tot Ion: 59 Resp: 417236
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#12
1,1-Dichloroethene
Concen: 103.229 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 96 Resp: 371097
Ion Ratio Lower Upper
96 100
61 171.0 137.1 205.7
98 63.5 52.4 78.6





#13

Acrolein

Concen: 514.790 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

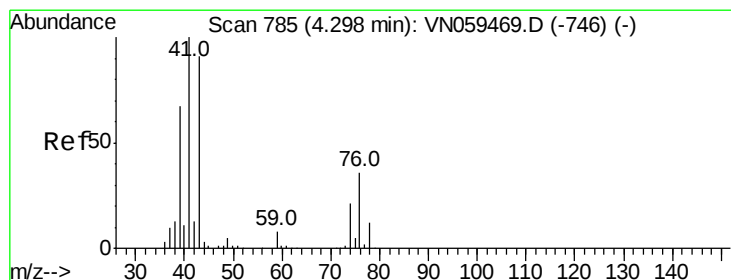
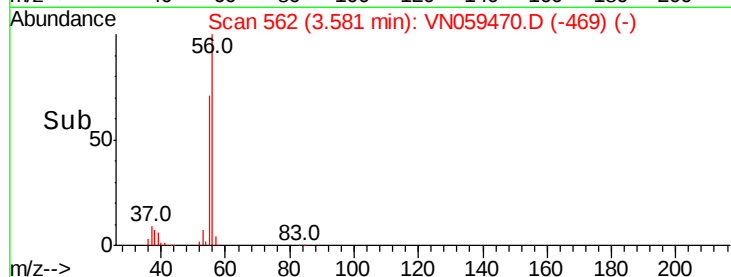
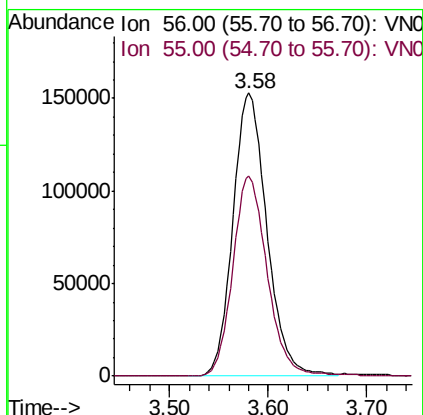
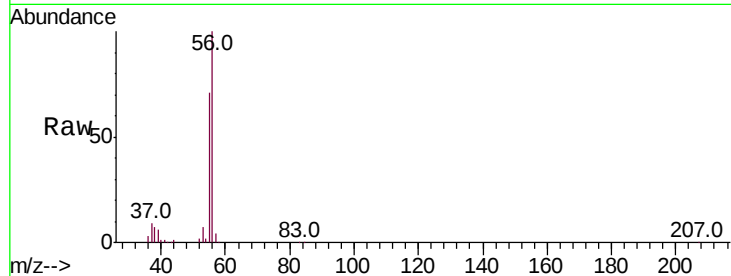
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 366653

Ion Ratio Lower Upper

56 100

55 71.7 56.5 84.7



#14

Allyl chloride

Concen: 108.135 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

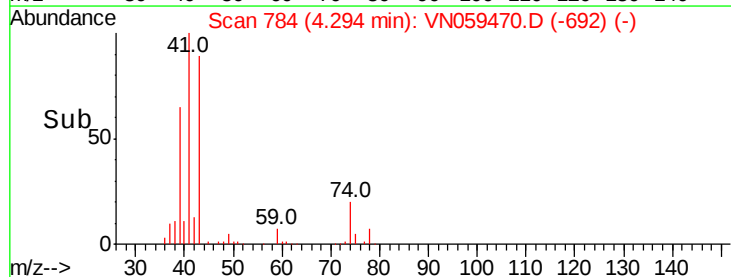
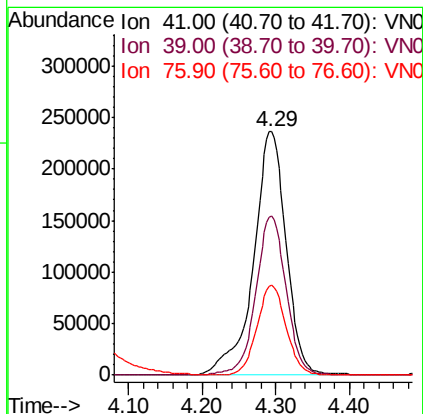
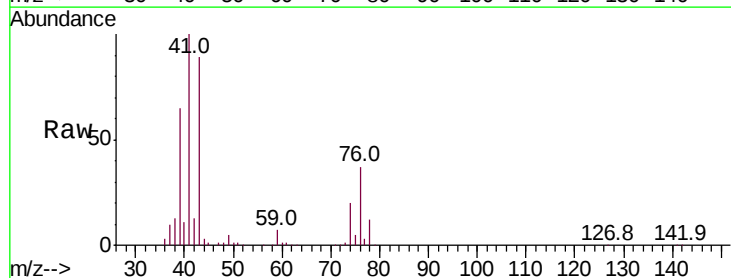
Tgt Ion: 41 Resp: 727403

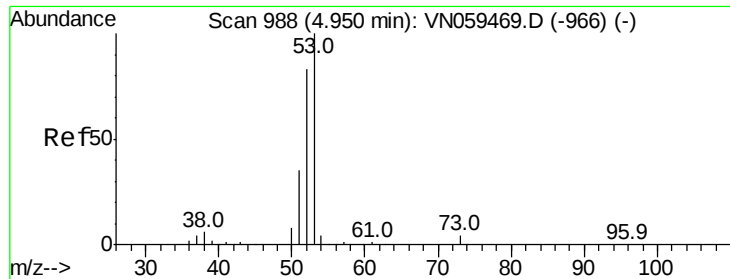
Ion Ratio Lower Upper

41 100

39 61.0 49.3 73.9

76 32.6 25.6 38.4





#15

Acrylonitrile

Concen: 558.237 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

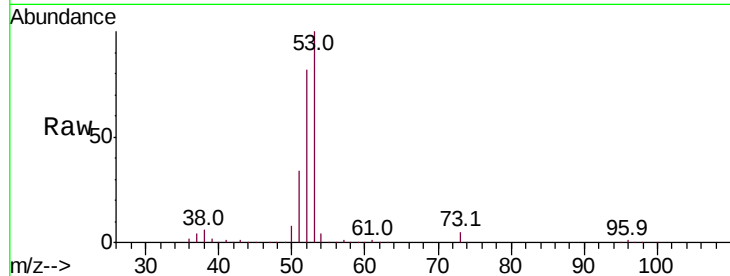
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1168155

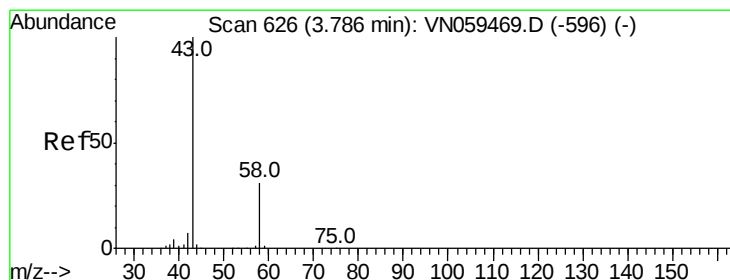
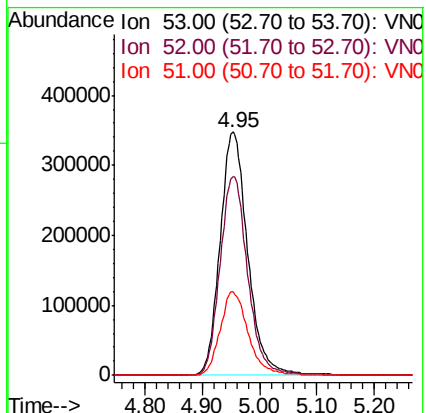
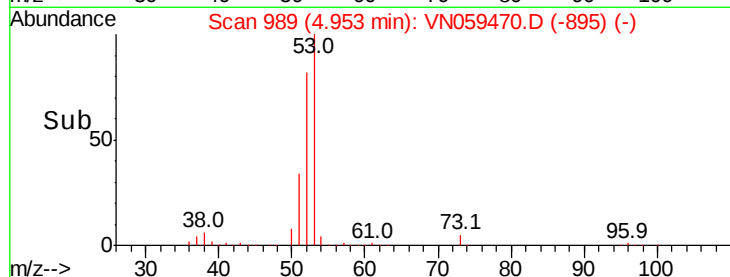
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	35.1	28.5	42.7



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



#16

Acetone

Concen: 607.130 ug/l

RT: 3.79 min Scan# 628

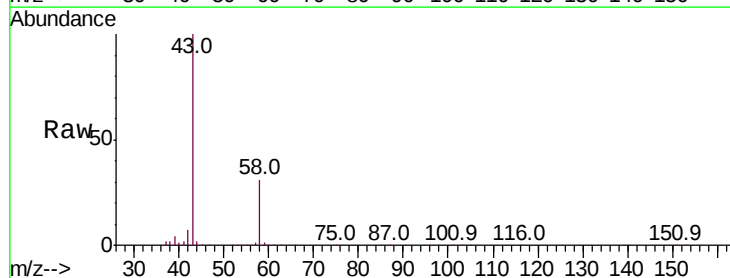
Delta R.T. 0.01 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

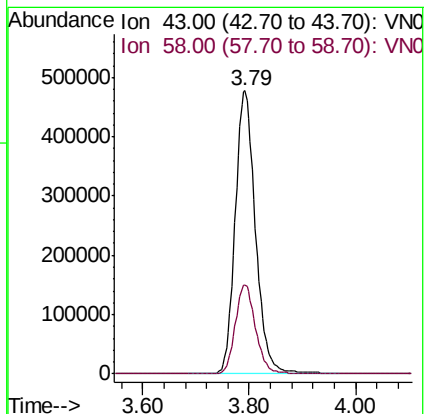
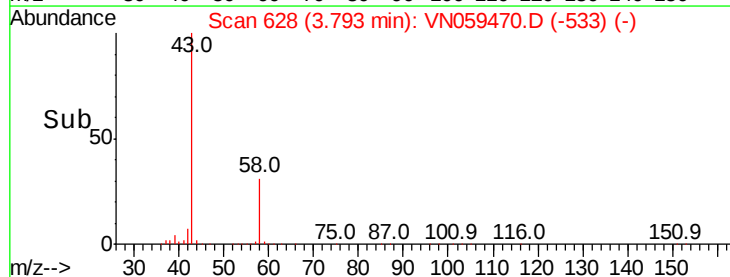
Tgt Ion: 43 Resp: 1257200

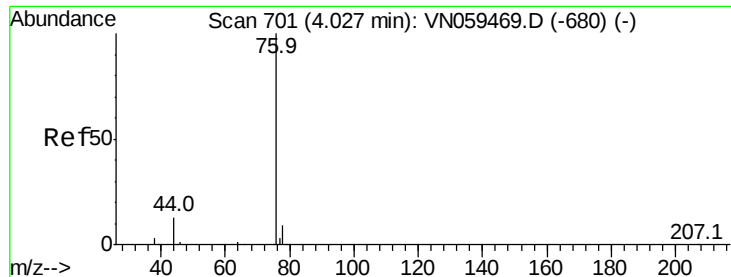
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.9	37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

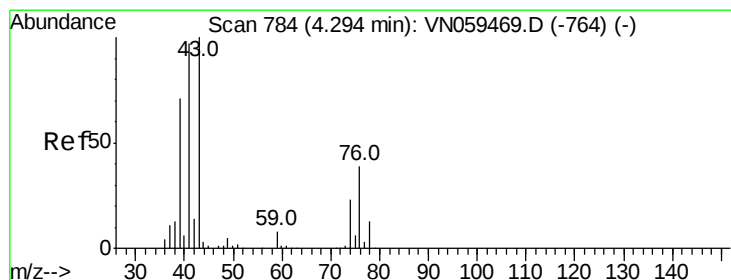
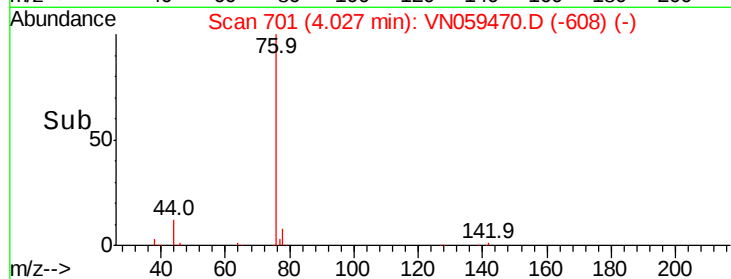
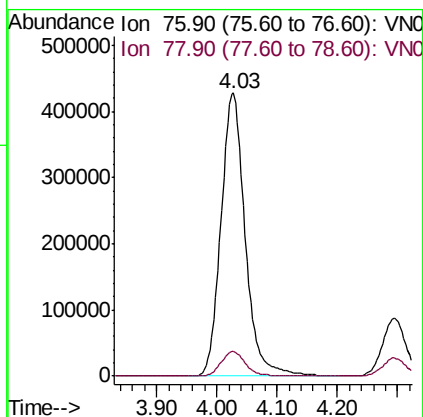
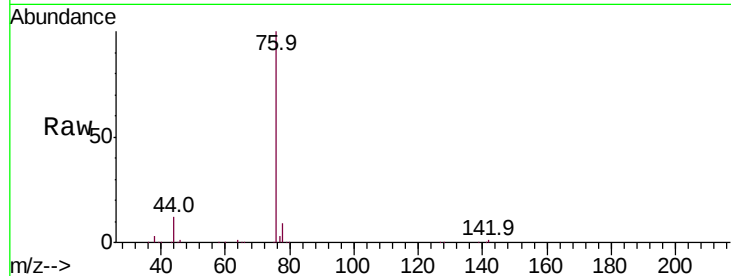




#17
Carbon Disulfide
Concen: 96.288 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

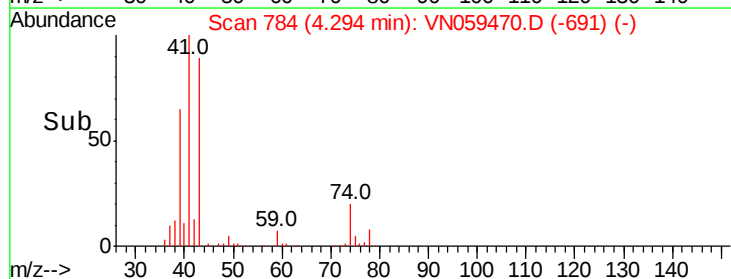
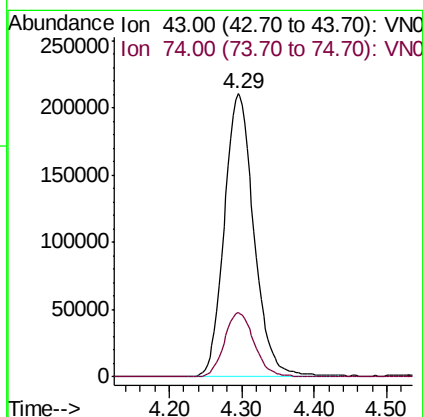
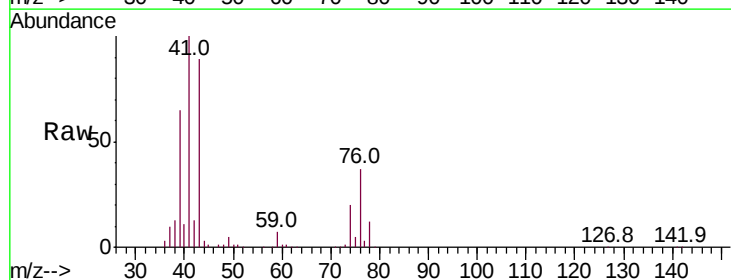
Instrument :
MSVOA_N
ClientSampled :

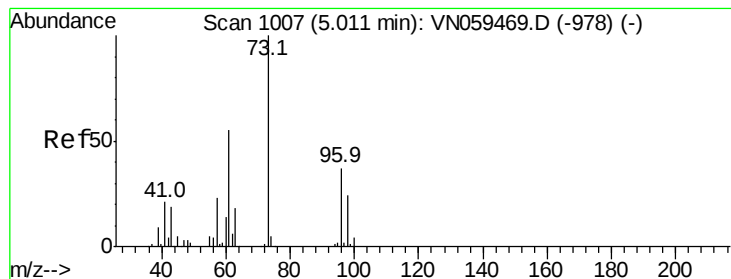
Tot Ion: 76 Resp: 1190079
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 105.824 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 43 Resp: 594890
Ion Ratio Lower Upper
43 100
74 22.9 18.3 27.5



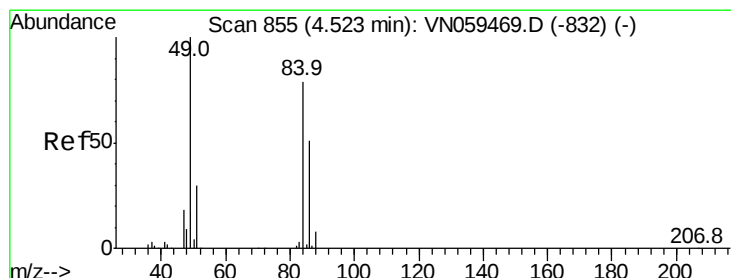
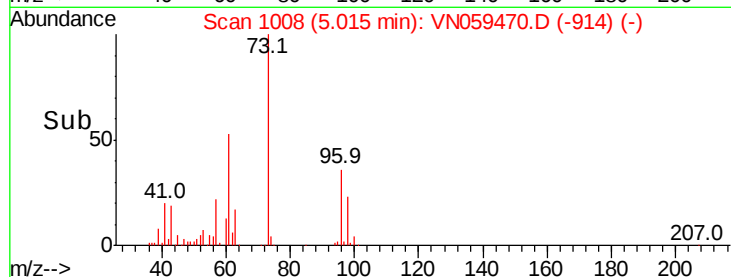
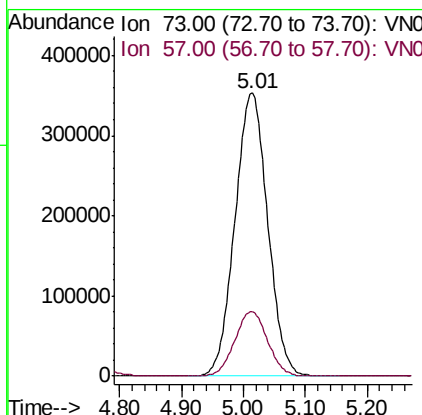
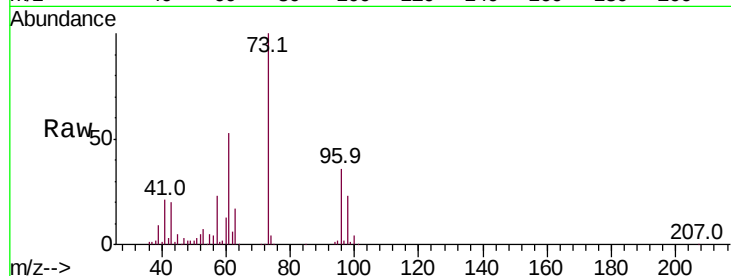


#19

Methyl tert-butyl Ether
 Concen: 110.823 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :

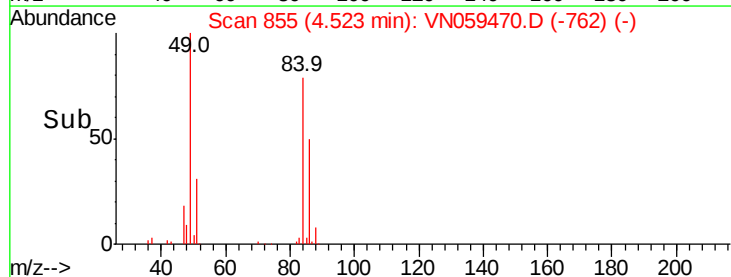
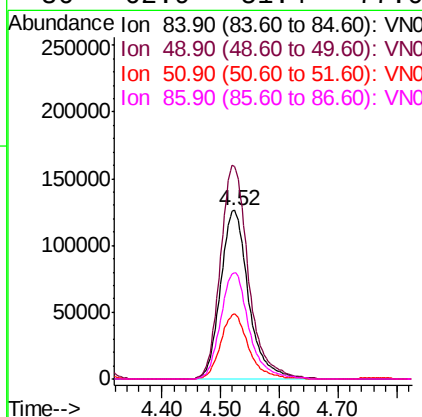
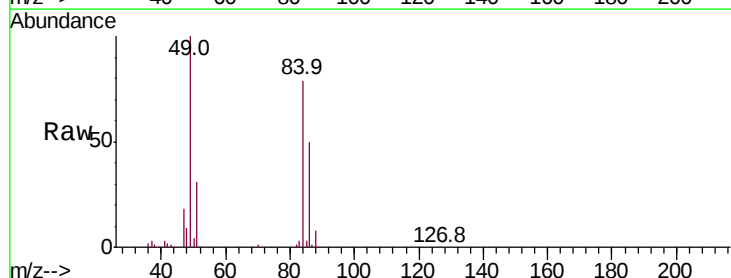
Tot Ion: 73 Resp: 1298572
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.0 27.0

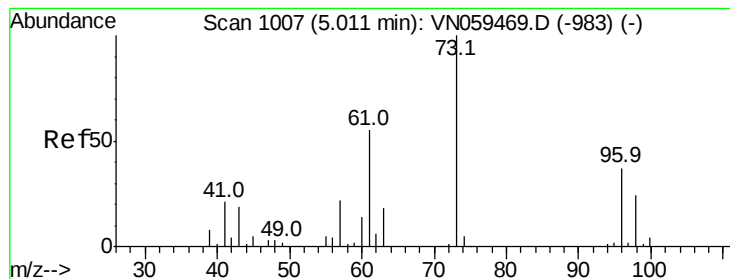


#20

Methylene Chloride
 Concen: 101.034 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 84 Resp: 418977
 Ion Ratio Lower Upper
 84 100
 49 126.4 101.1 151.7
 51 38.7 30.7 46.1
 86 62.9 51.4 77.0



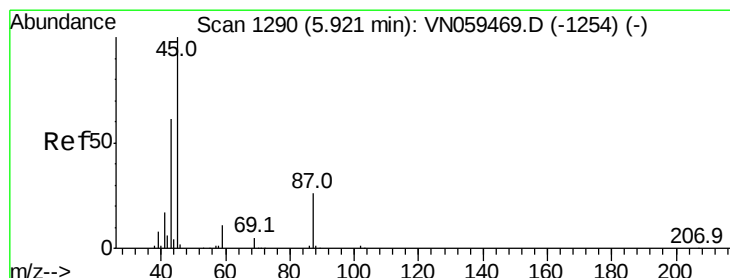
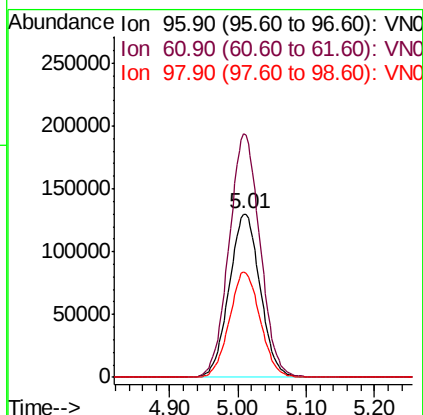
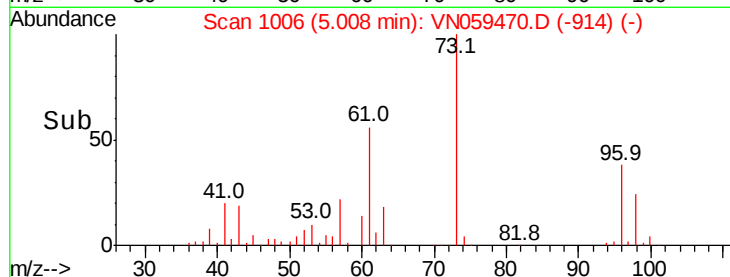
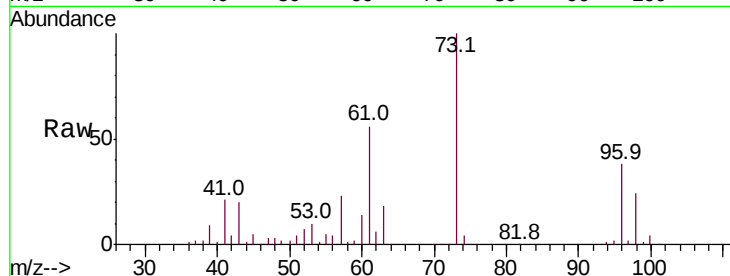


#21

trans-1,2-Dichloroethene
Concen: 104.983 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

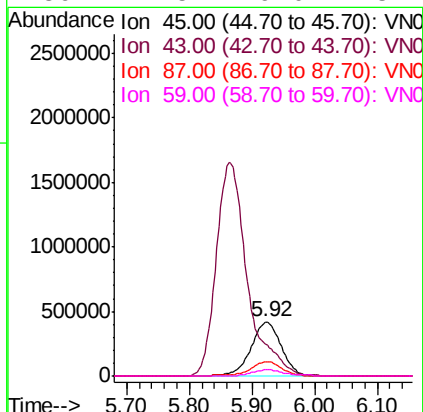
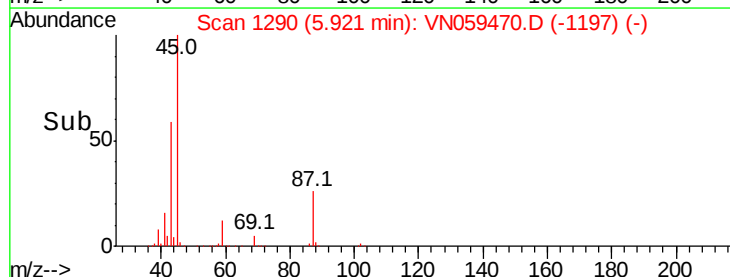
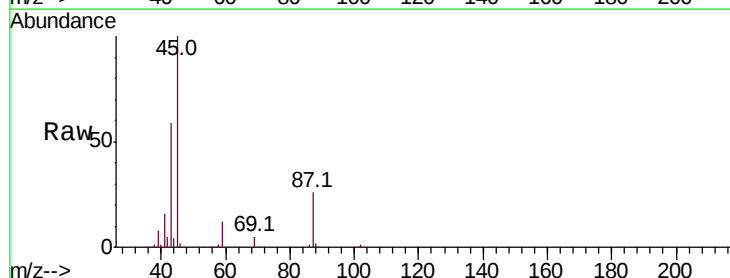
Tot Ion: 96 Resp: 412306
Ion Ratio Lower Upper
96 100
61 149.2 118.9 178.3
98 64.6 51.6 77.4

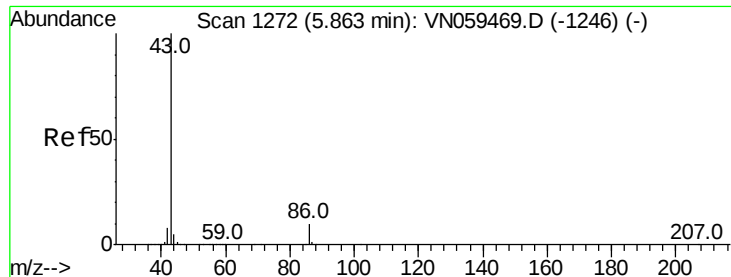


#22

Diisopropyl ether
Concen: 112.109 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 45 Resp: 1407322
Ion Ratio Lower Upper
45 100
43 58.7 49.1 73.7
87 26.4 21.6 32.4
59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 560.602 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

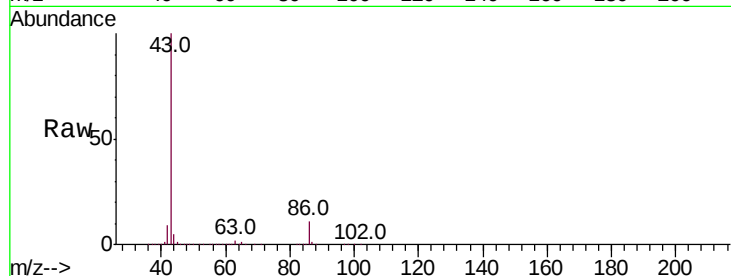
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 5706080

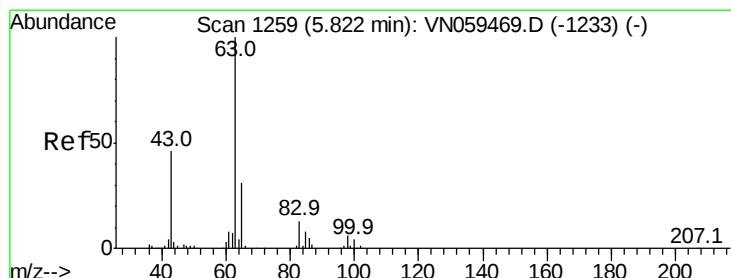
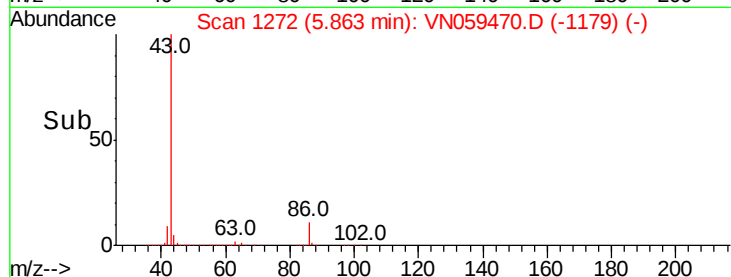
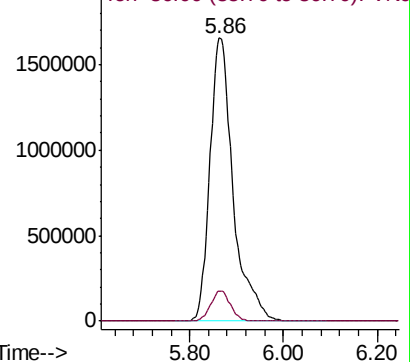
Ion Ratio Lower Upper

43 100

86 10.8 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 107.752 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

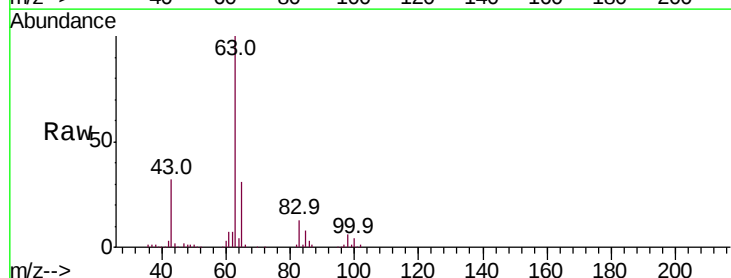
Tgt Ion: 63 Resp: 776350

Ion Ratio Lower Upper

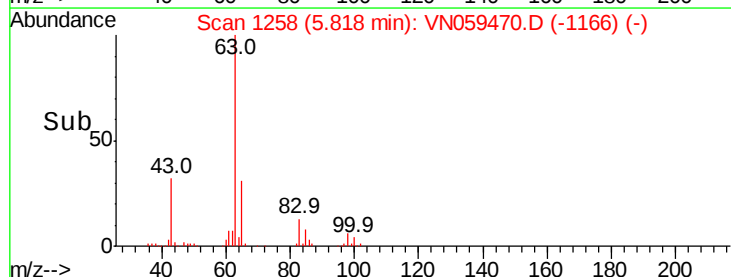
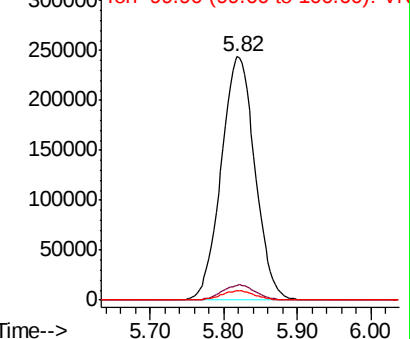
63 100

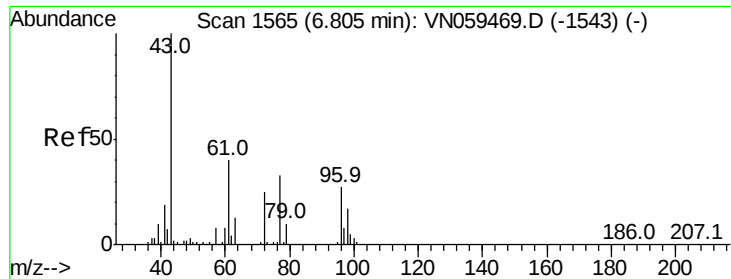
98 6.1 3.2 9.6

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 97.90 (97.60 to 98.60): VNO
Ion 99.90 (99.60 to 100.60): VNO

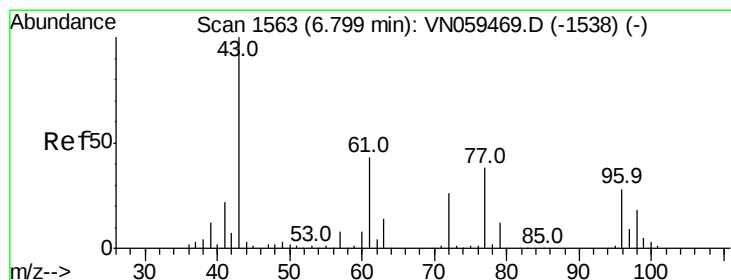
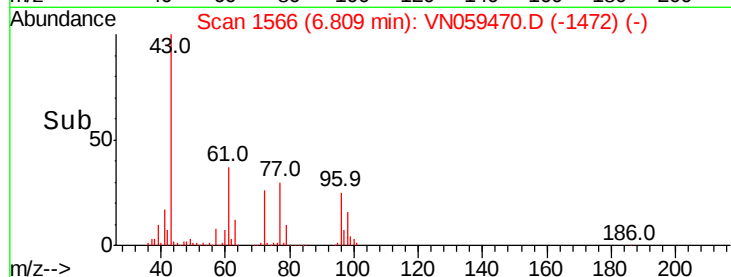
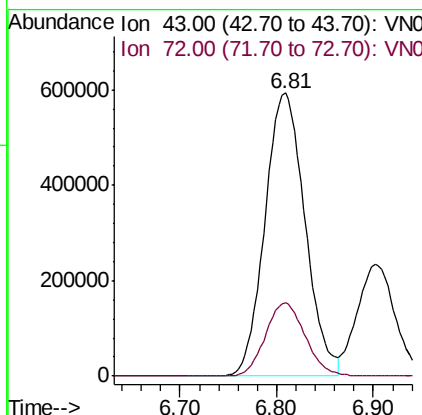
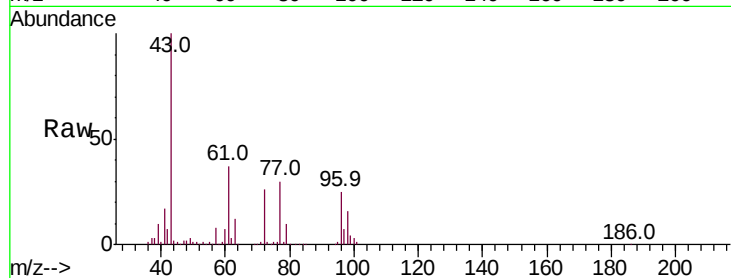




#25
 2-Butanone
 Concen: 597.615 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

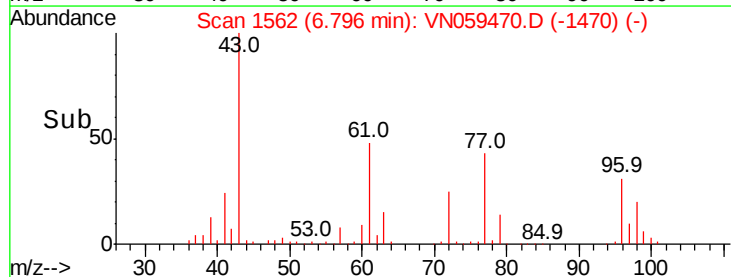
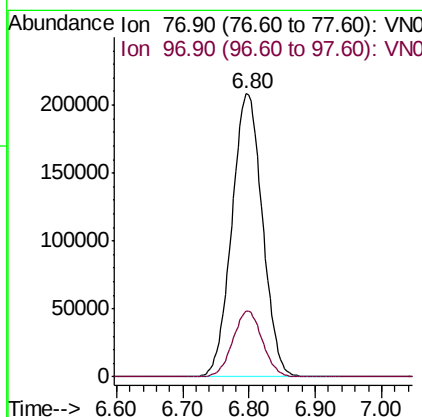
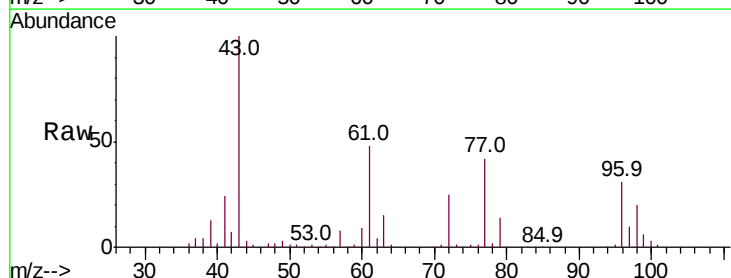
Instrument :
 MSVOA_N
 ClientSampled :

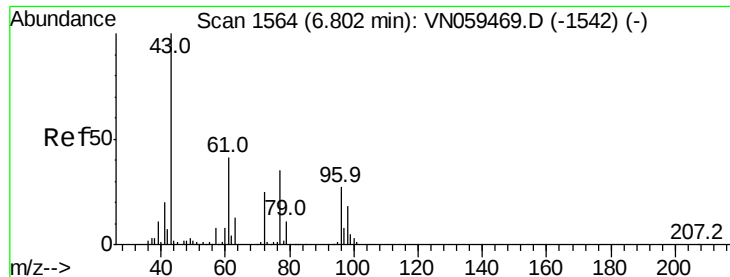
Tot Ion: 43 Resp: 1706290
 Ion Ratio Lower Upper
 43 100
 72 25.8 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 108.694 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 77 Resp: 667375
 Ion Ratio Lower Upper
 77 100
 97 22.5 11.4 34.1

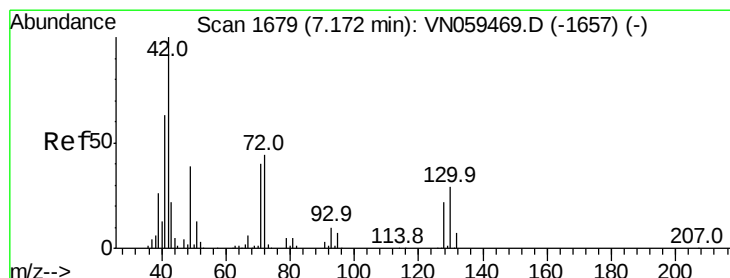
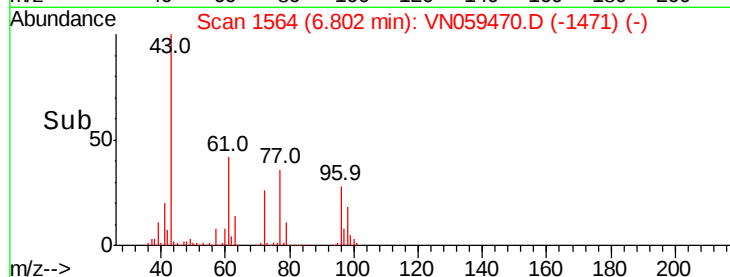
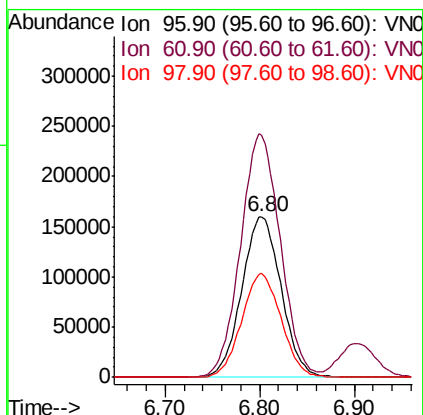
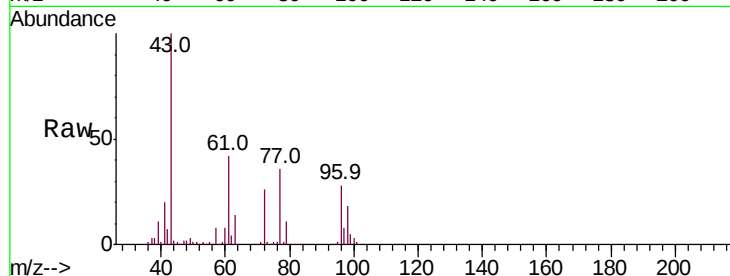




#27
 cis-1,2-Dichloroethene
 Concen: 107.261 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

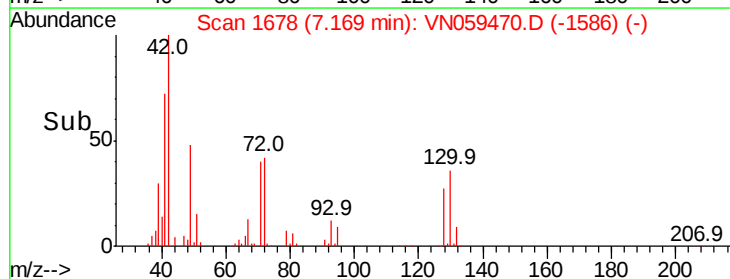
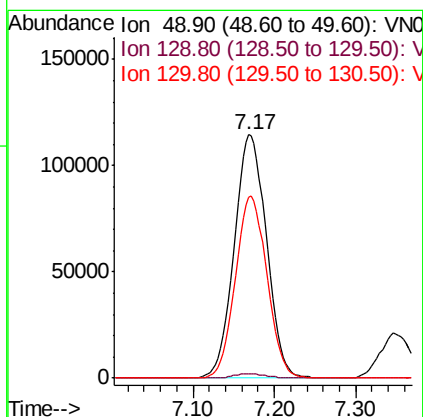
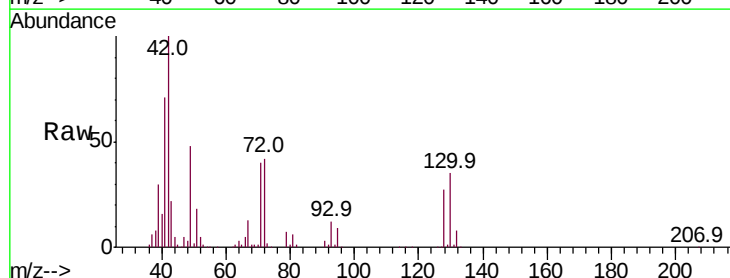
Instrument :
 MSVOA_N
 ClientSampleId :

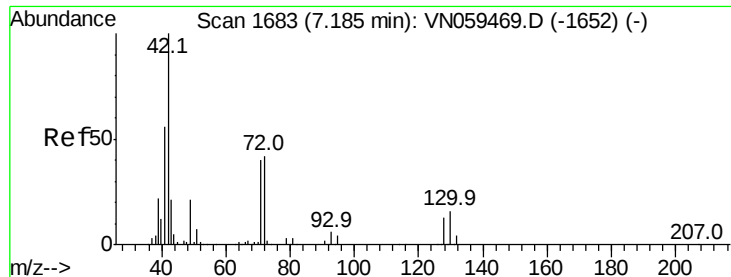
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	307.4
98	64.8	0.0	129.2



#28
 Bromochloromethane
 Concen: 128.094 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	73.1	58.4	87.6





#29

Tetrahydrofuran

Concen: 566.121 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

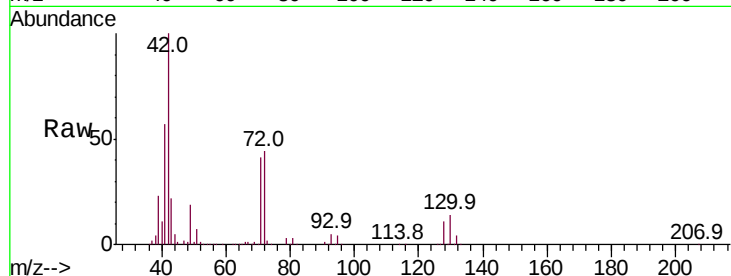
Tot Ion: 42 Resp: 1074938

Ion Ratio Lower Upper

42 100

72 42.9 34.2 51.2

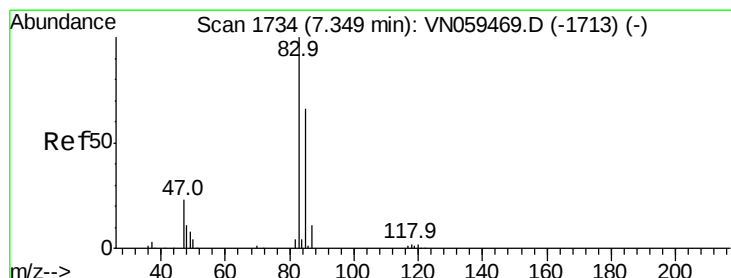
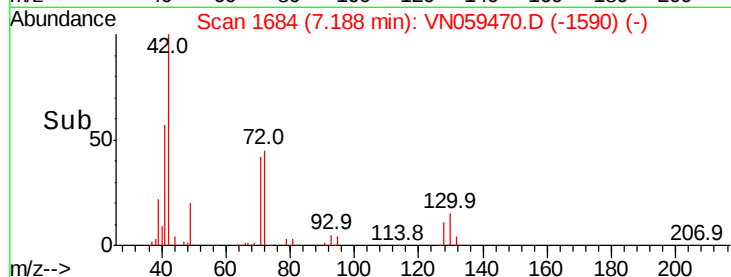
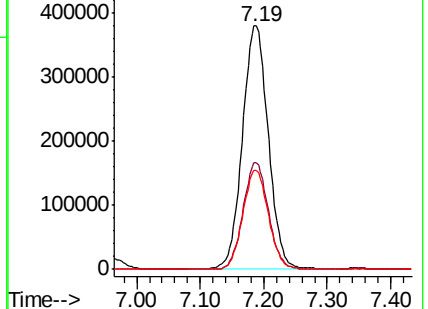
71 40.3 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 102.256 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN059470.D

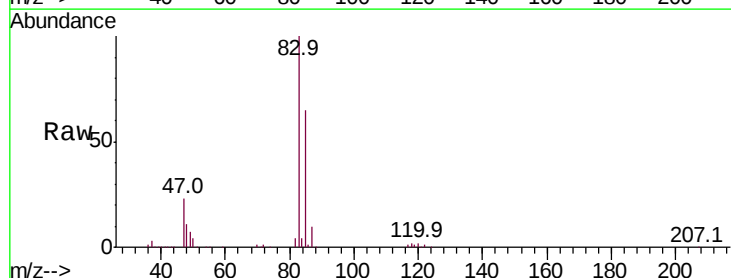
Acq: 3 Dec 2019 14:47

Tgt Ion: 83 Resp: 740469

Ion Ratio Lower Upper

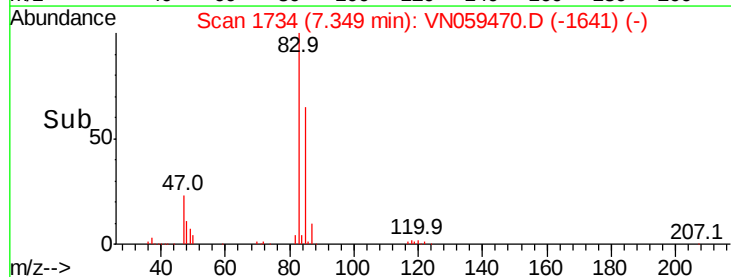
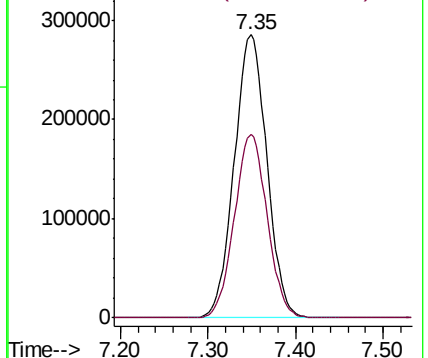
83 100

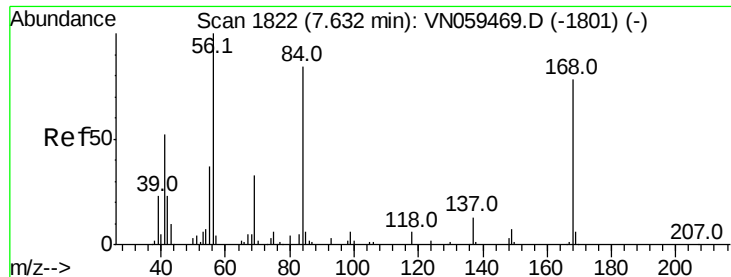
85 64.9 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

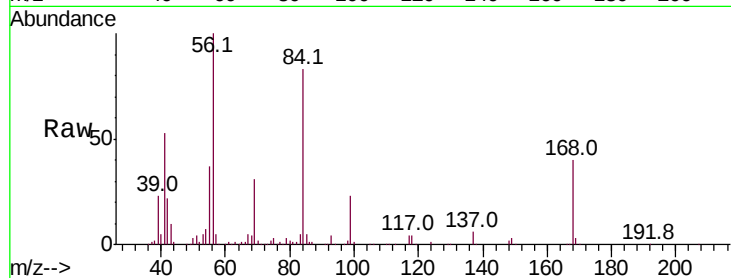




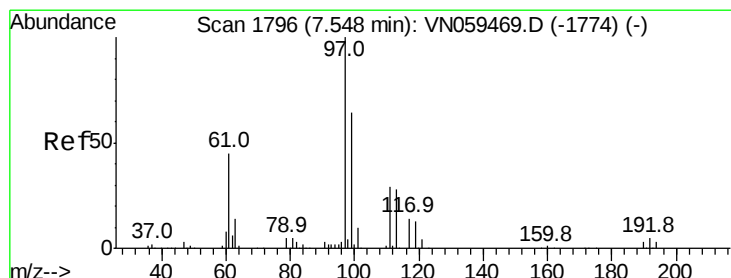
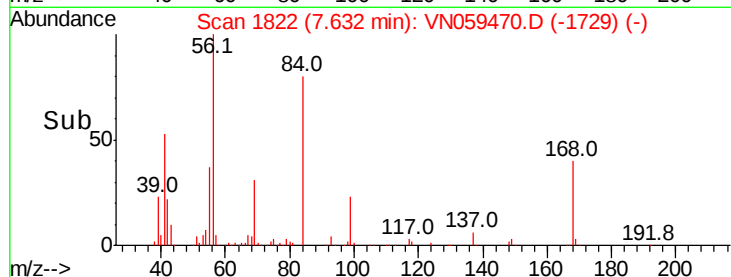
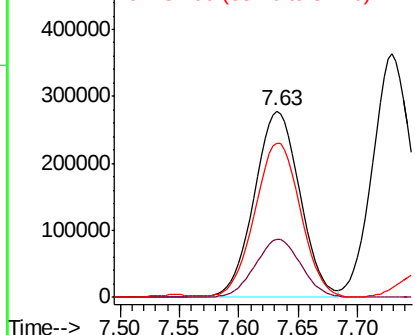
#31
Cyclohexane
Concen: 102.116 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 737315
Ion Ratio Lower Upper
56 100
69 31.4 26.2 39.4
84 81.9 66.8 100.2

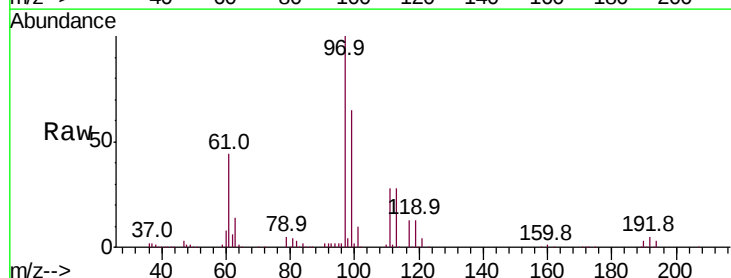


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

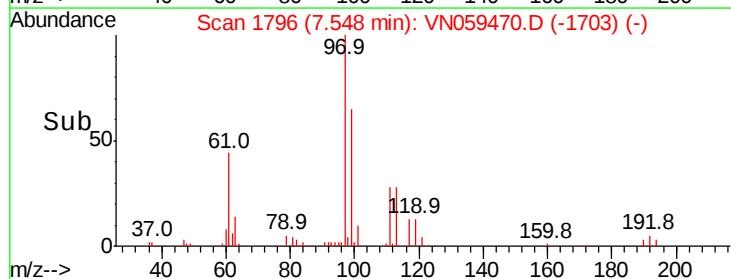
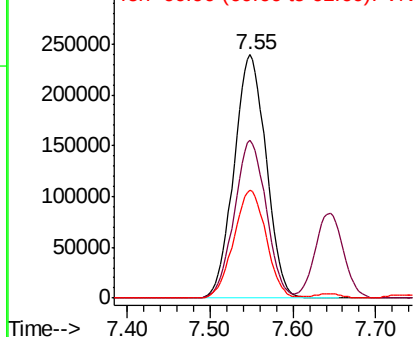


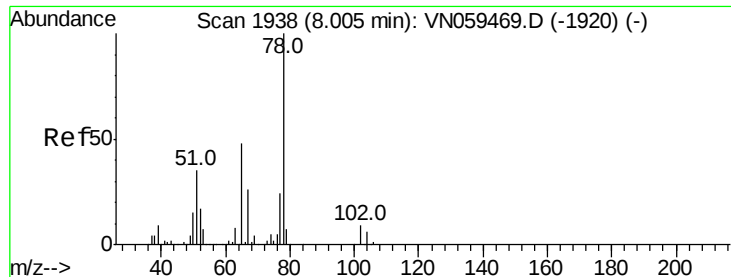
#32
1,1,1-Trichloroethane
Concen: 108.992 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 97 Resp: 645998
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 44.5 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: 104.482 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

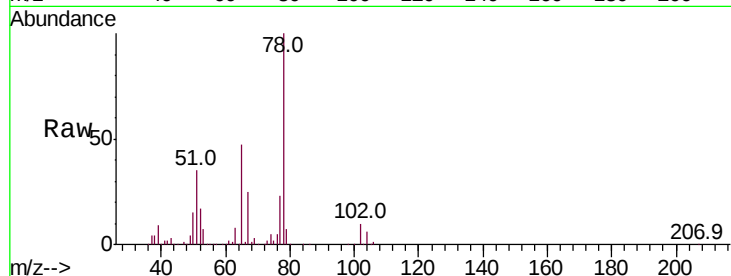
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 448417

Ion Ratio Lower Upper

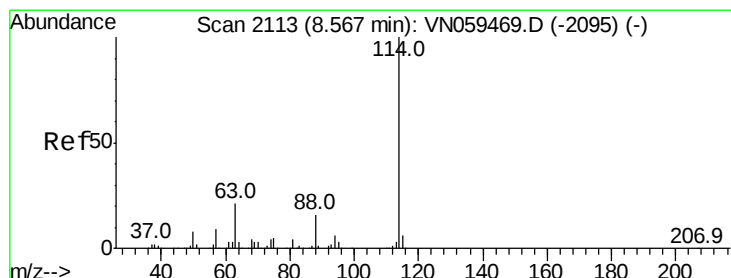
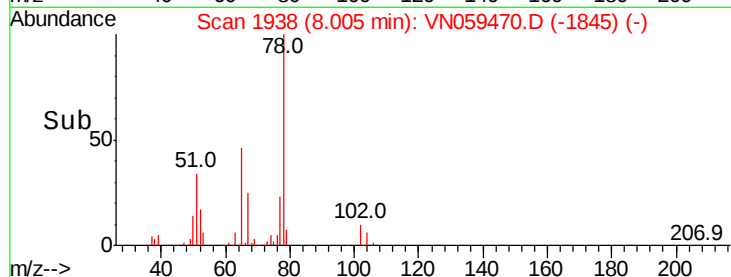
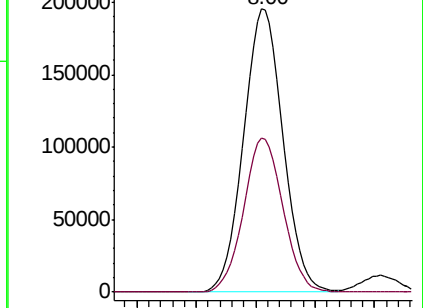
65 100

67 54.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059469.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059469.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

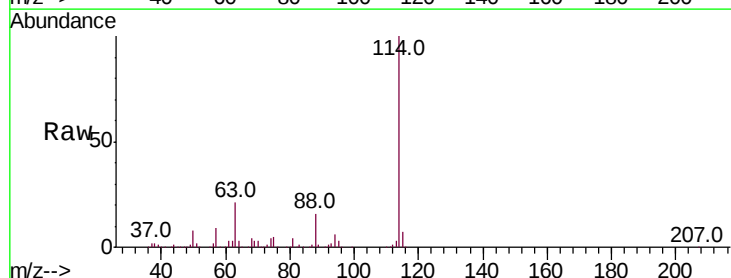
Tgt Ion: 114 Resp: 569310

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

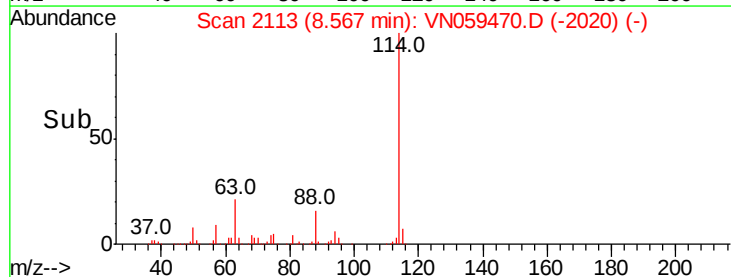
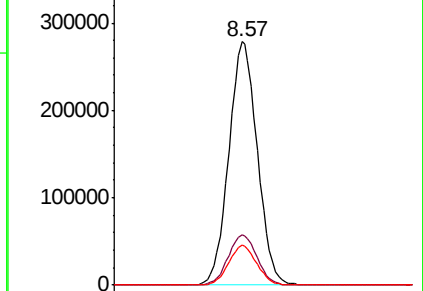
88 16.2 0.0 32.8

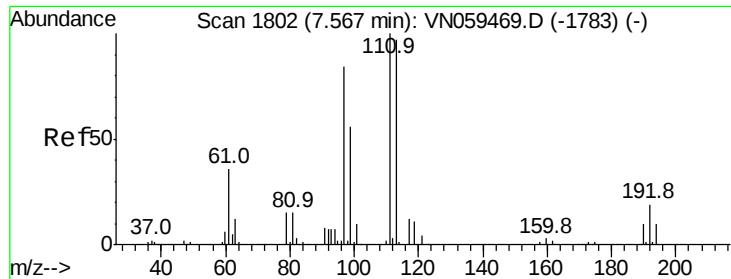


Abundance Ion 113.90 (113.60 to 114.60): VN059469.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059469.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059469.D (-2095) (-)

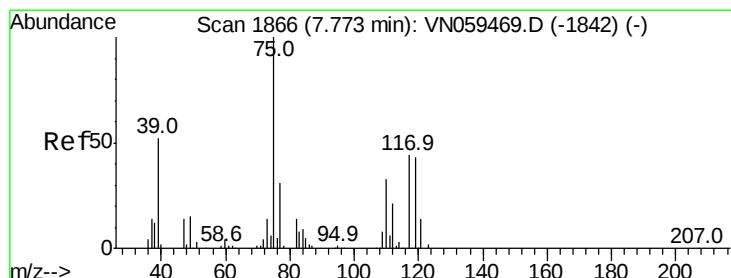
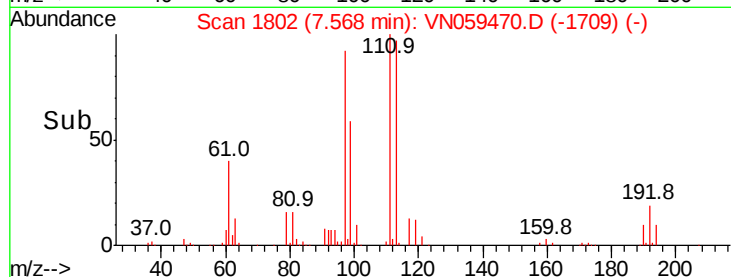
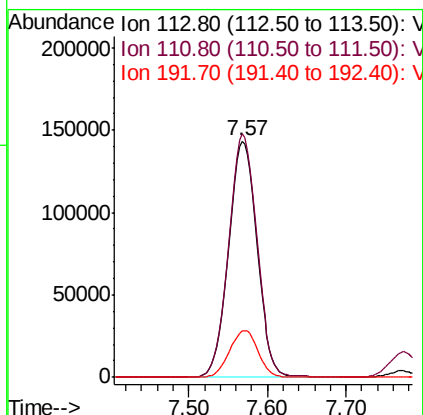
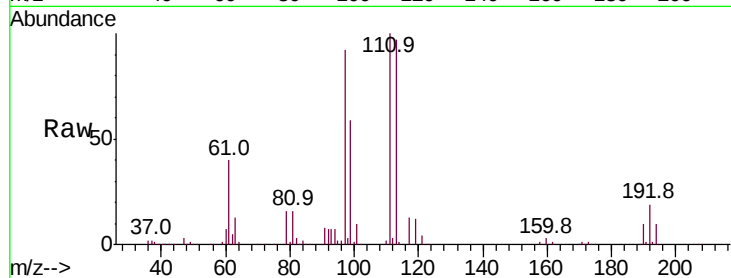




#35
Dibromofluoromethane
Concen: 103.249 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

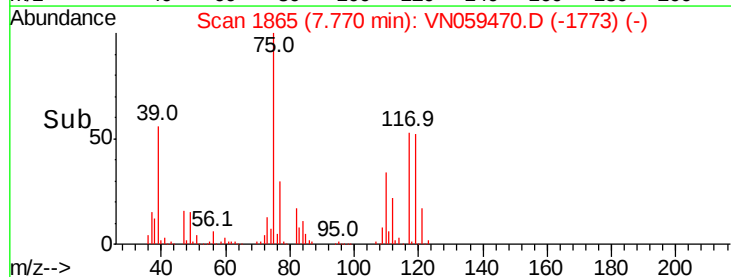
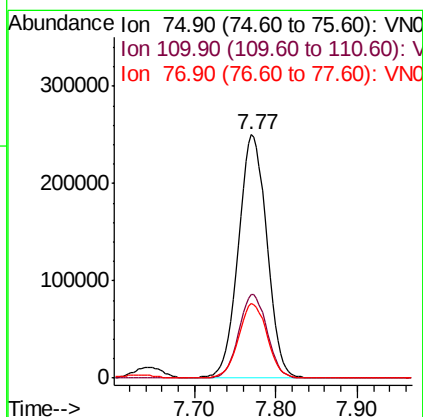
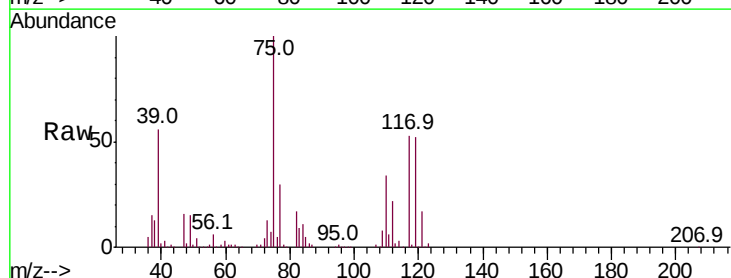
Instrument :
MSVOA_N
ClientSampleId :

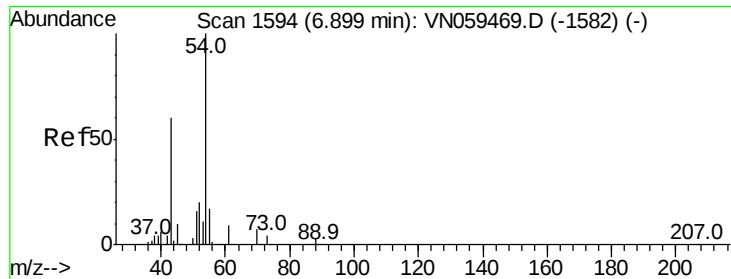
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.5	123.7
192	19.9	16.1	24.1



#36
1,1-Dichloropropene
Concen: 108.335 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	31.1	25.1	37.7

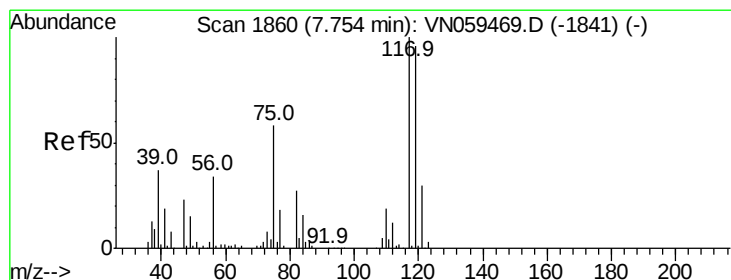
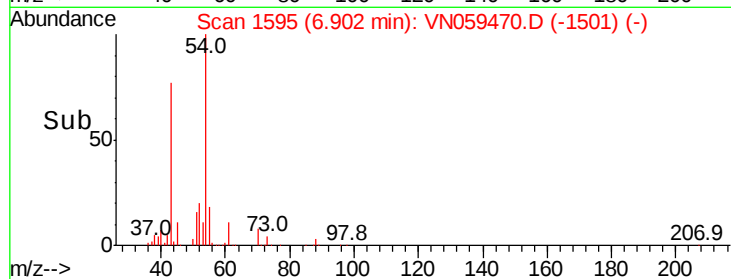
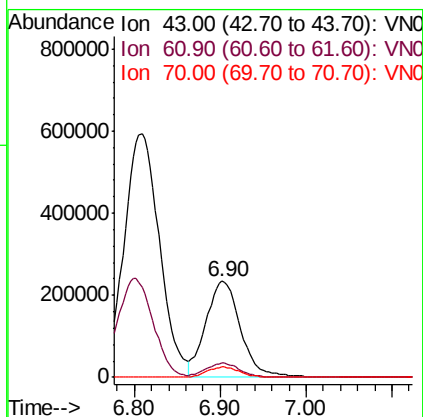
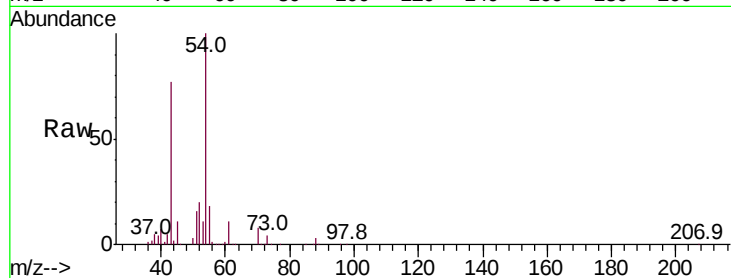




#37
Ethyl Acetate
Concen: 109.936 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

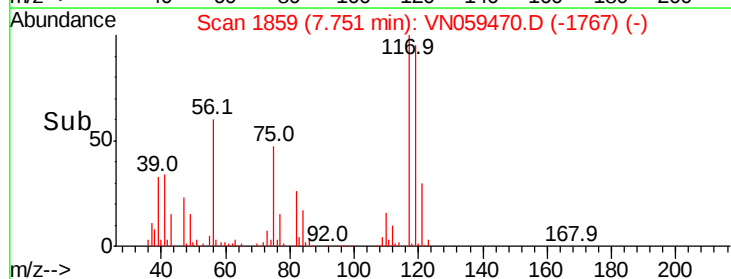
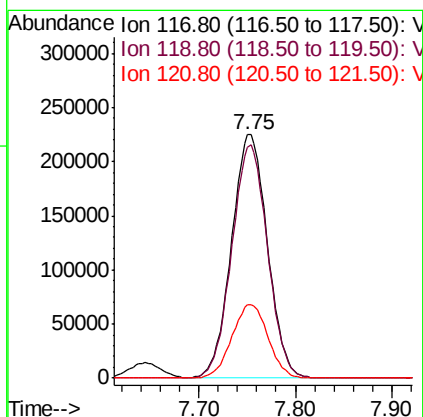
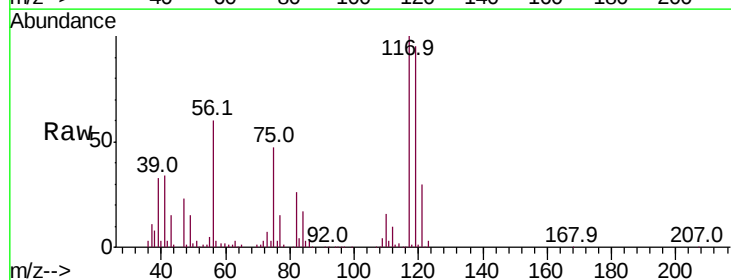
Instrument :
MSVOA_N
ClientSampleId :

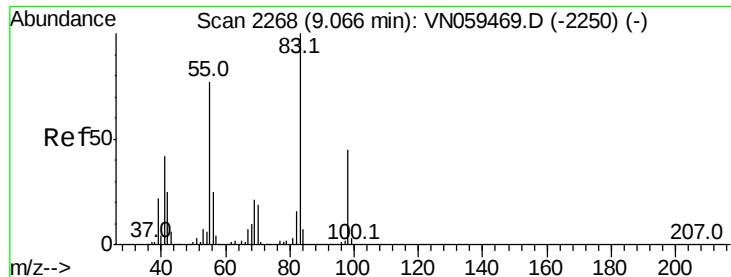
Tot Ion: 43 Resp: 656257
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 110.334 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 117 Resp: 579434
Ion Ratio Lower Upper
117 100
119 94.9 76.6 114.8
121 30.2 24.0 36.0

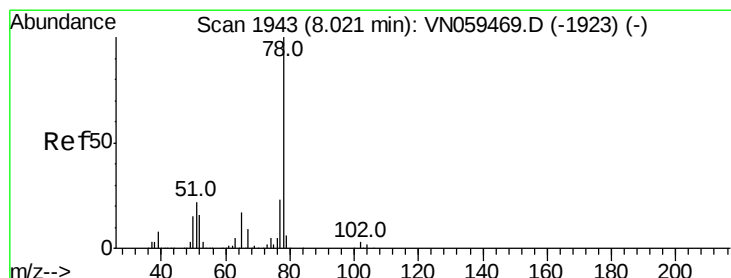
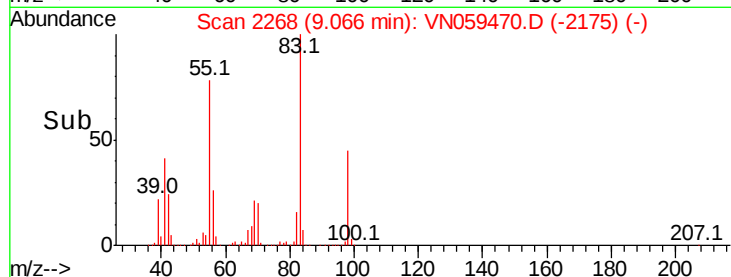
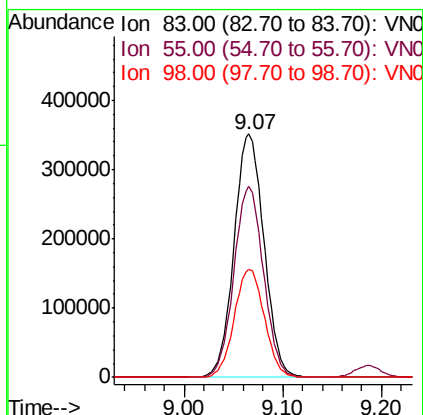
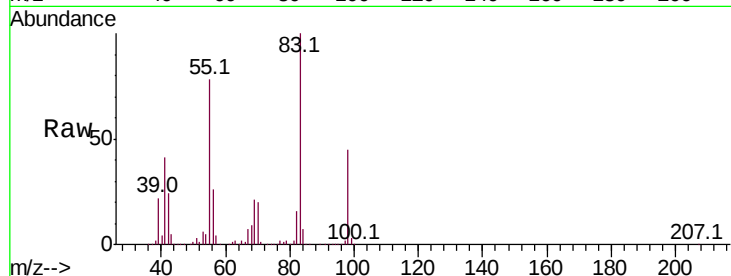




#39
Methvlcvclohexane
Concen: 111.759 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

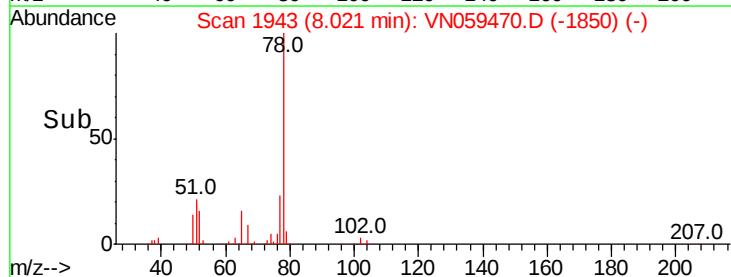
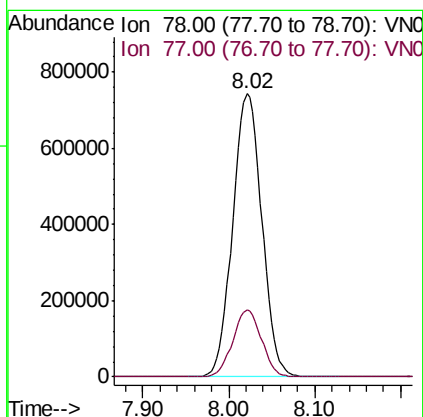
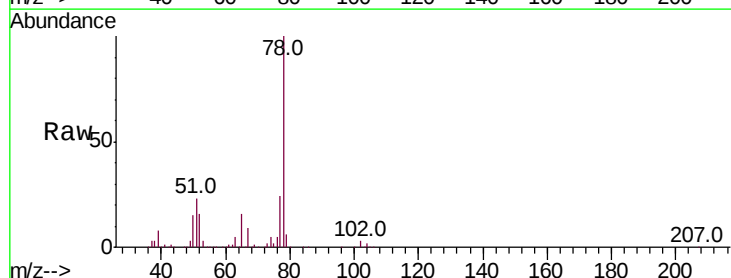
Instrument :
MSVOA_N
ClientSampleId :

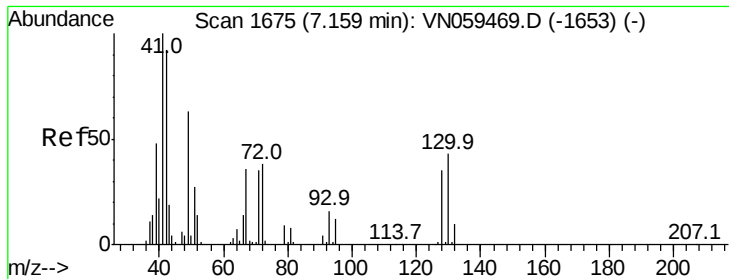
Tot Ion: 83 Resp: 740764
Ion Ratio Lower Upper
83 100
55 78.3 61.8 92.6
98 44.6 36.2 54.2



#40
Benzene
Concen: 106.238 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 78 Resp: 1748949
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

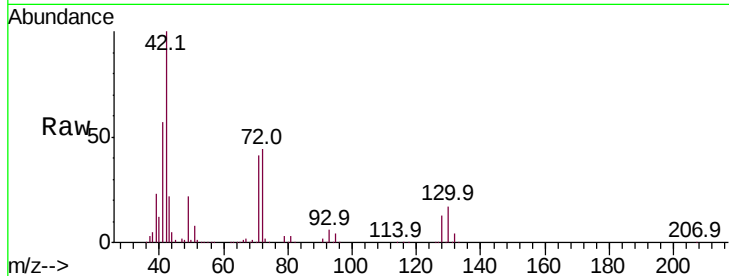




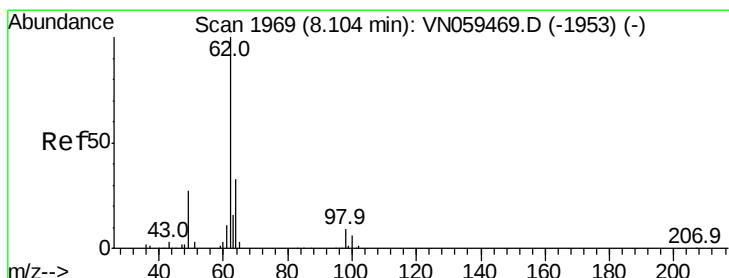
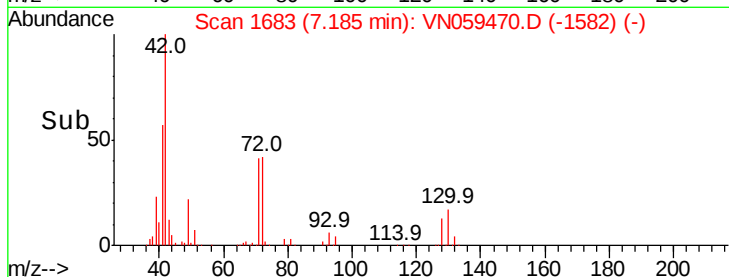
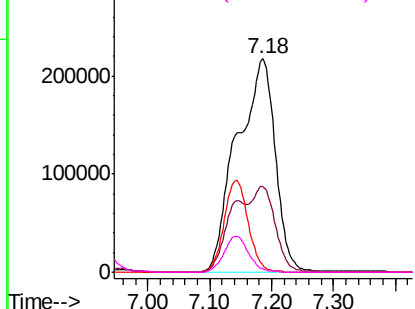
#41
Methacrylonitrile
Concen: 337.027 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	933965
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

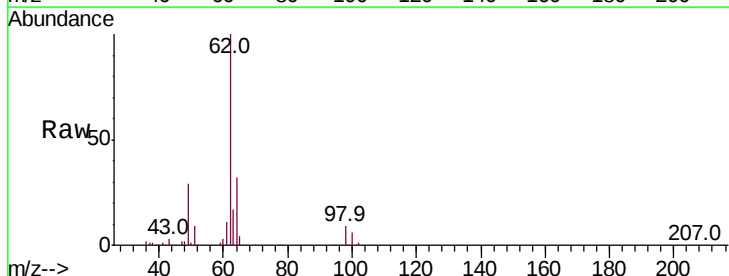


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

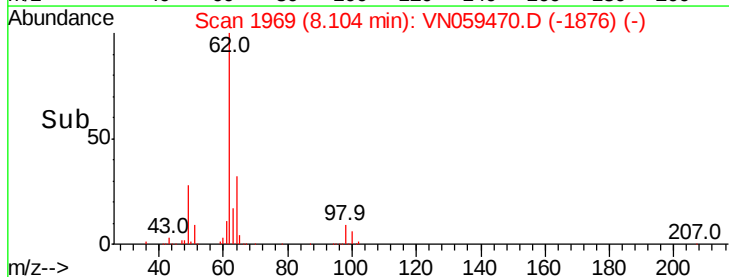
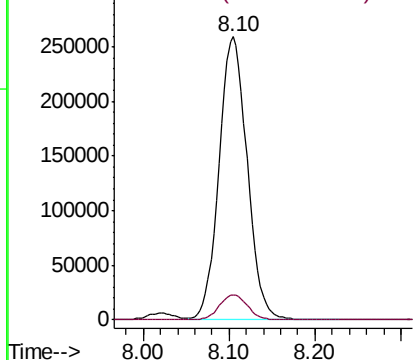


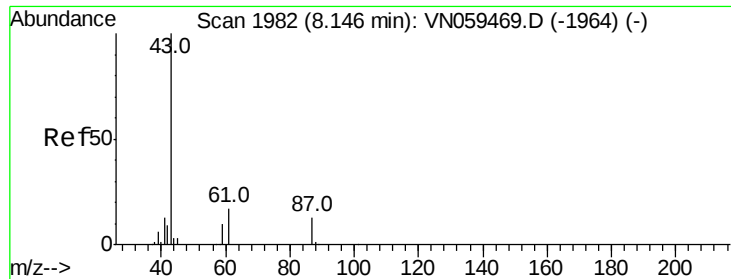
#42
1,2-Dichloroethane
Concen: 112.243 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion:	62	Resp:	590374
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 115.479 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

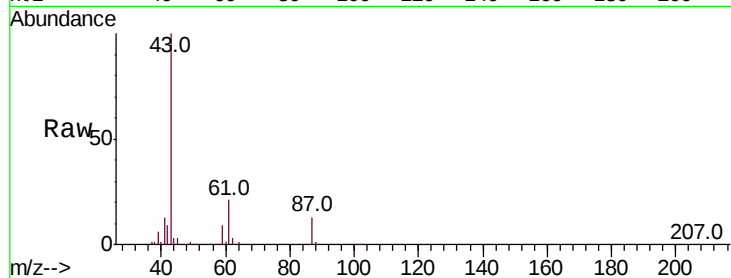
Tot Ion: 43 Resp: 1042350

Ion Ratio Lower Upper

43 100

61 26.4 21.0 31.6

87 12.9 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) (-)

8.14

600000

500000

400000

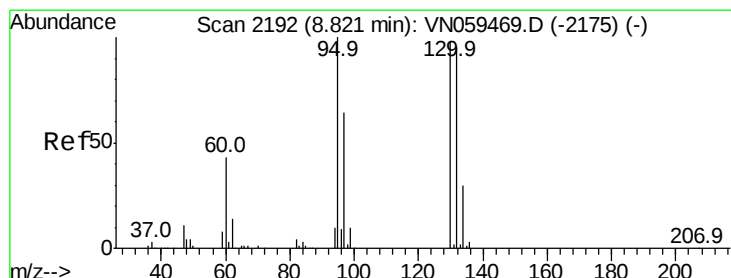
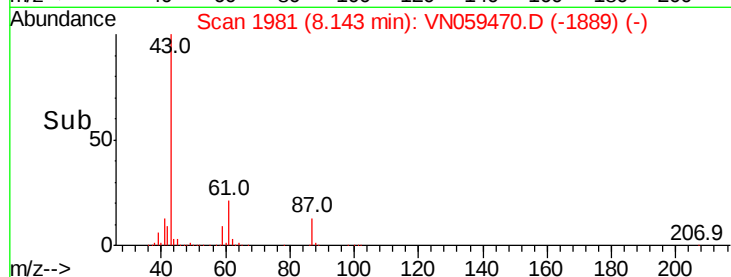
300000

200000

100000

0

Time--> 8.00 8.10 8.20 8.30



#44

Trichloroethene

Concen: 106.857 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059470.D

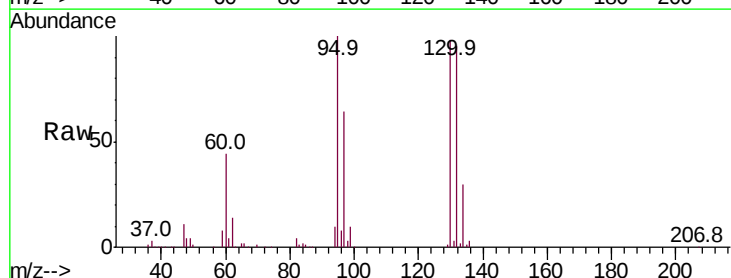
Acq: 3 Dec 2019 14:47

Tgt Ion:130 Resp: 447706

Ion Ratio Lower Upper

130 100

95 102.3 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) (-)

8.82

250000

200000

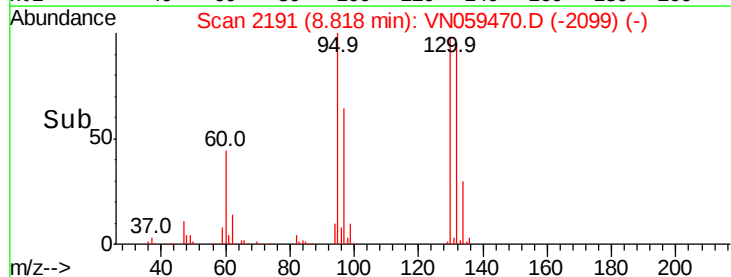
150000

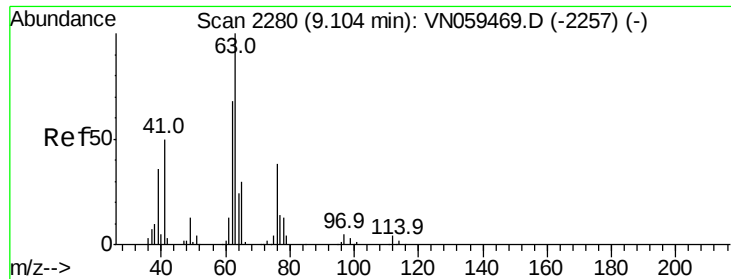
100000

50000

0

Time--> 8.70 8.80 8.90

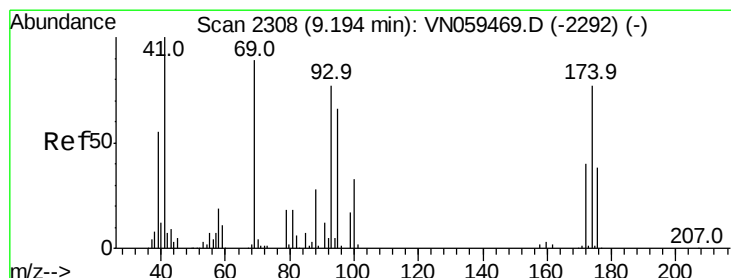
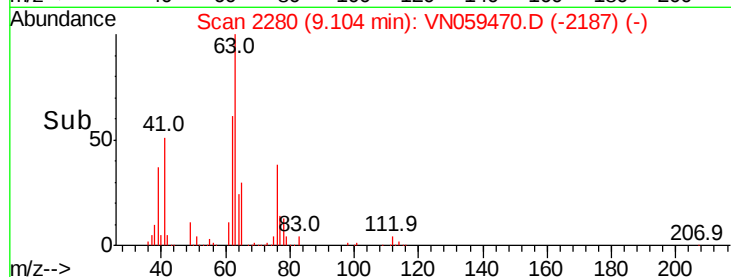
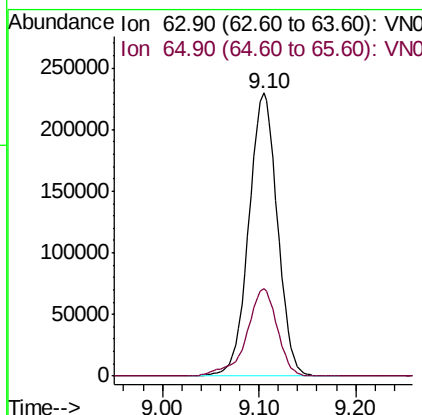
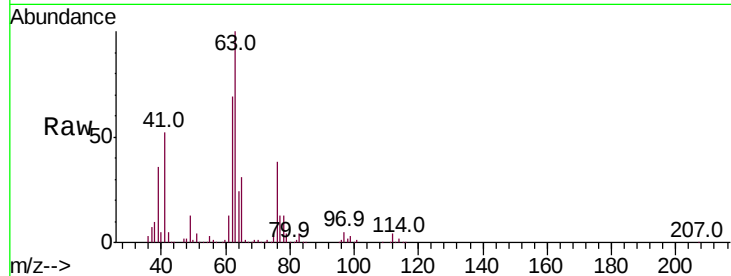




#45
 1,2-Dichloropropane
 Concen: 109.240 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

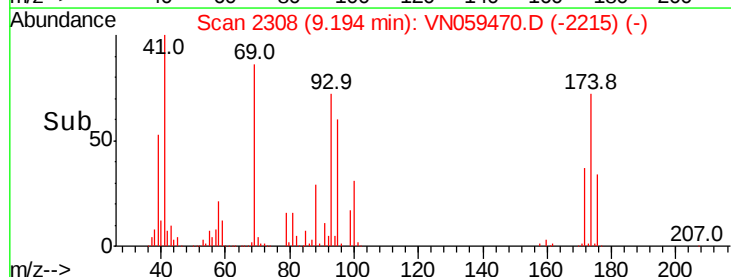
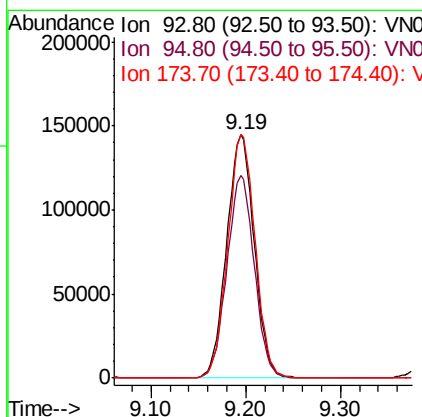
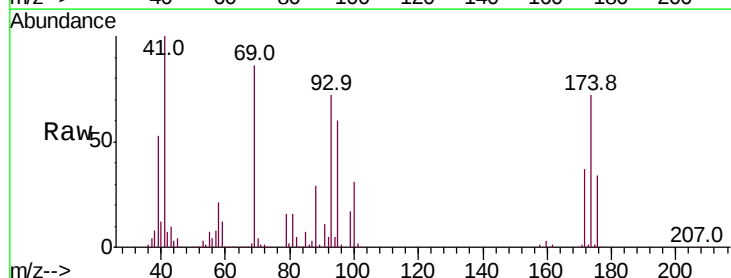
Instrument :
 MSVOA_N
 ClientSampled :

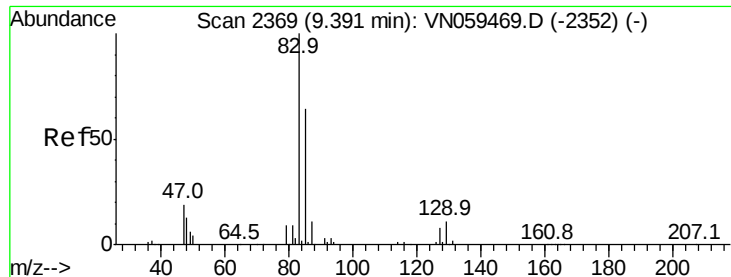
Tot Ion: 63 Resp: 470558
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6



#46
 Dibromomethane
 Concen: 110.220 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 93 Resp: 293471
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 99.2 79.6 119.4





#47

Bromodichloromethane

Concen: 110.827 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

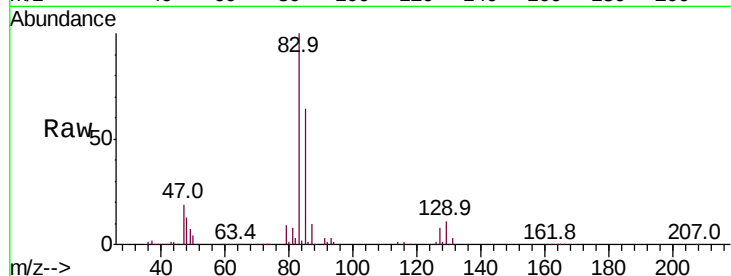
Tot Ion: 83 Resp: 597002

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.6

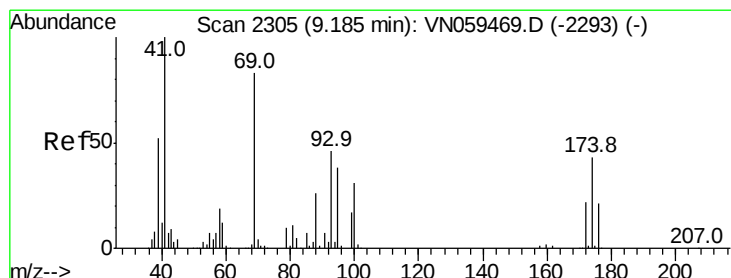
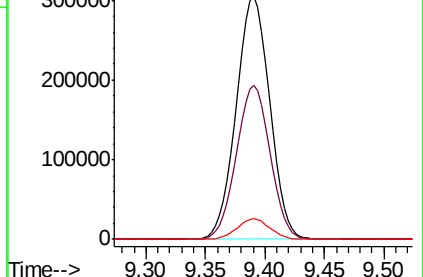
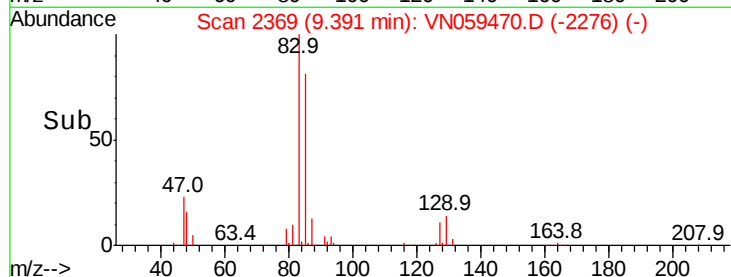
127 8.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059470.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059470.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059470.D (-2276) (-)



#48

Methyl methacrylate

Concen: 117.156 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

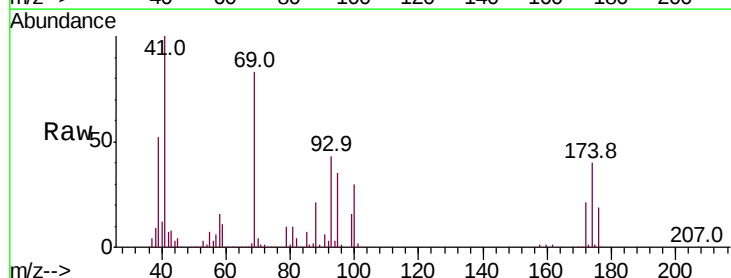
Tgt Ion: 41 Resp: 470340

Ion Ratio Lower Upper

41 100

69 85.8 68.6 103.0

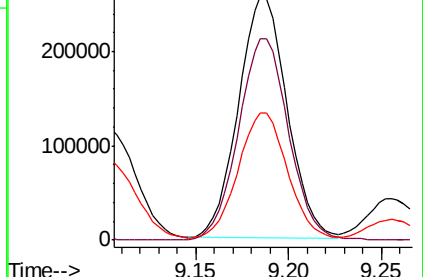
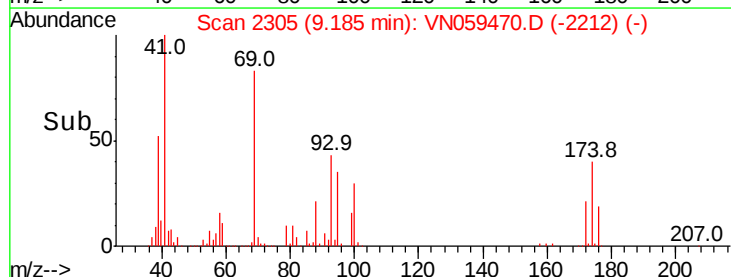
39 53.9 43.2 64.8

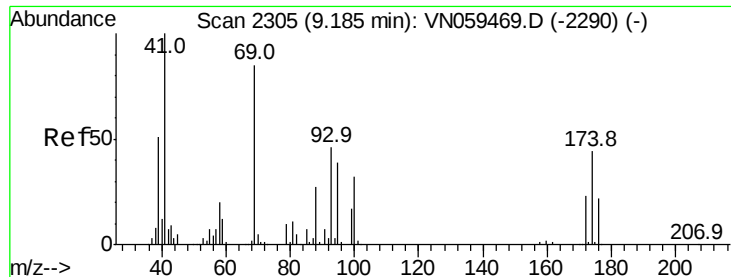


Abundance Ion 41.00 (40.70 to 41.70): VN059470.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059470.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059470.D (-2212) (-)

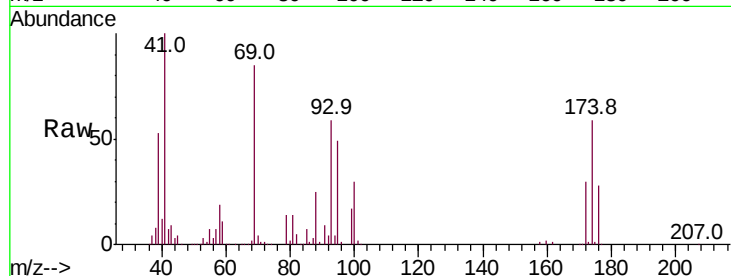




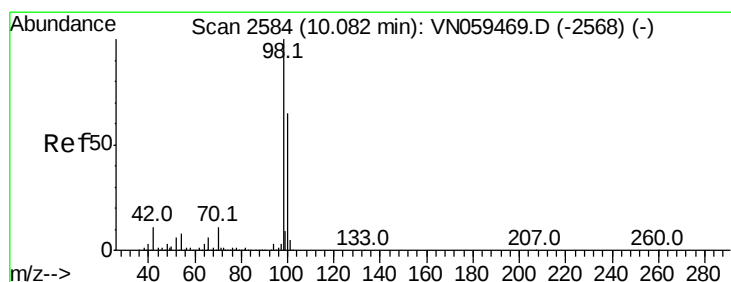
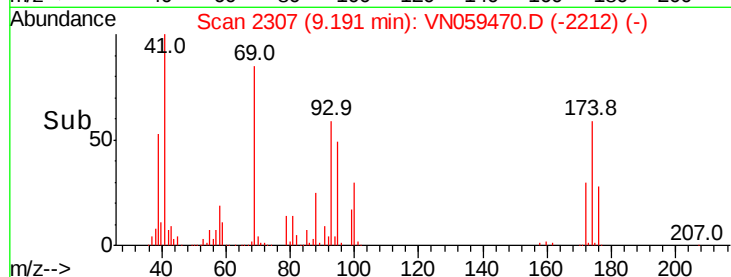
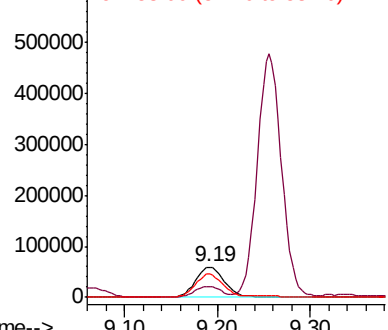
#49
1,4-Dioxane
Concen: 2276.691 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 129663
Ion Ratio Lower Upper
88 100
43 33.6 27.1 40.7
58 73.7 57.8 86.6

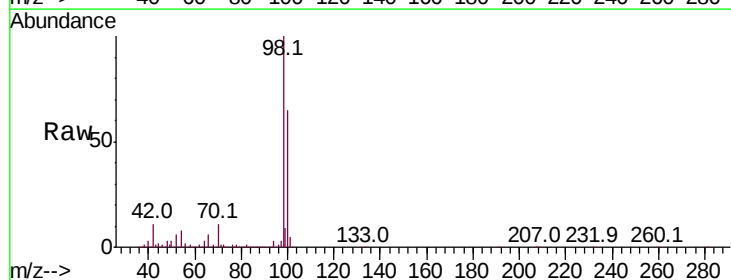


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

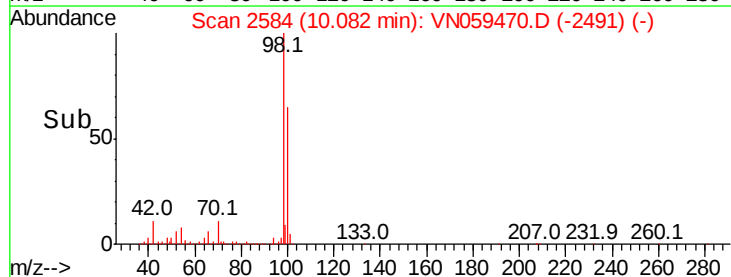
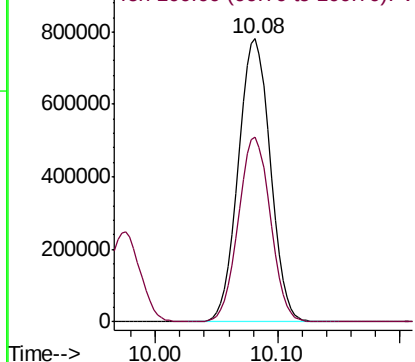


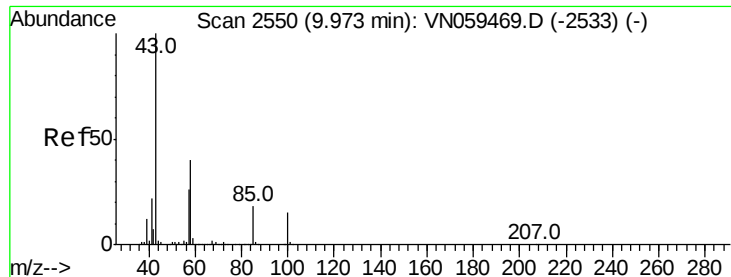
#50
Toluene-d8
Concen: 101.965 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 98 Resp: 1417667
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 564.283 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

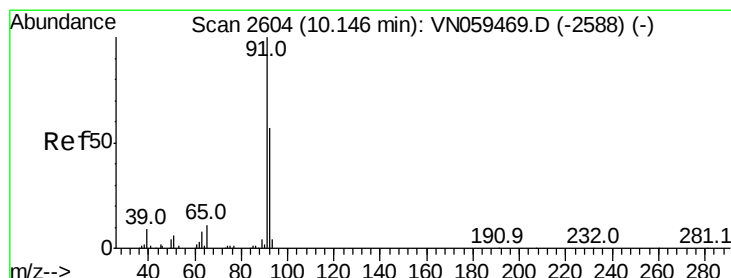
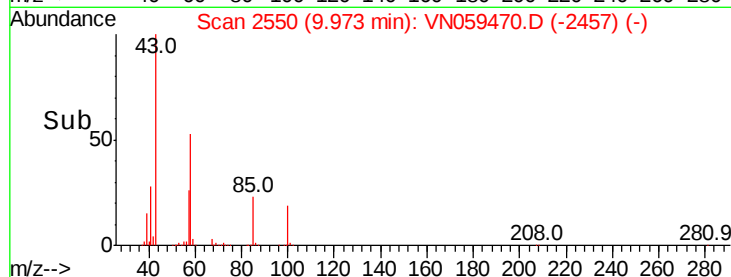
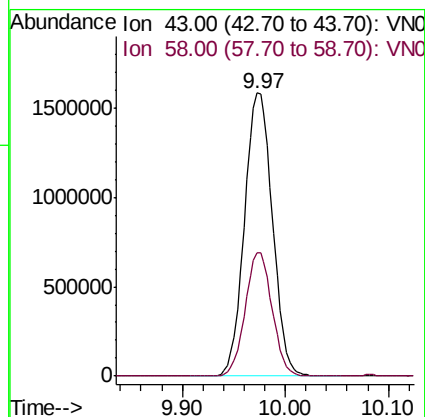
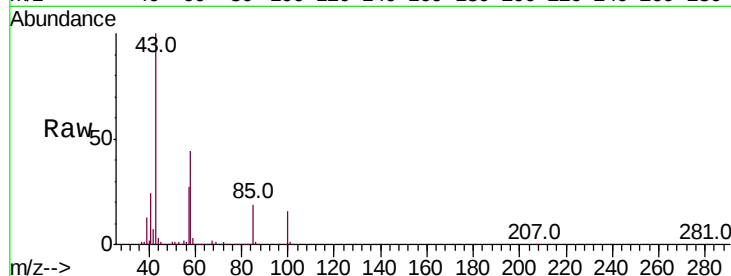
ClientSampleId :

Tot Ion: 43 Resp: 2976609

Ion Ratio Lower Upper

43 100

58 41.9 32.1 48.1



#52

Toluene

Concen: 108.860 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059470.D

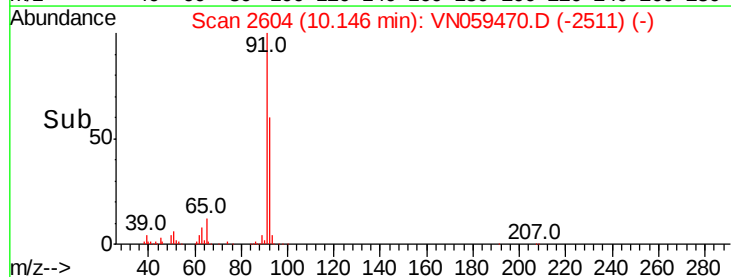
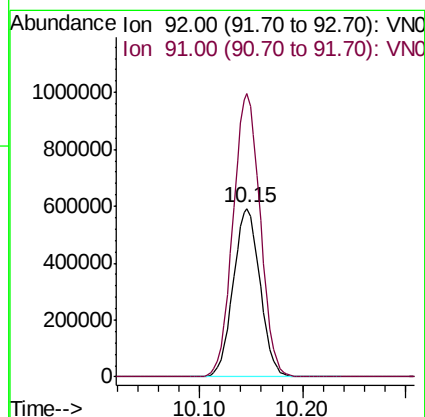
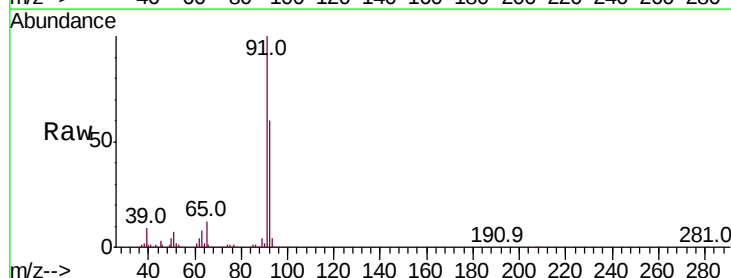
Acq: 3 Dec 2019 14:47

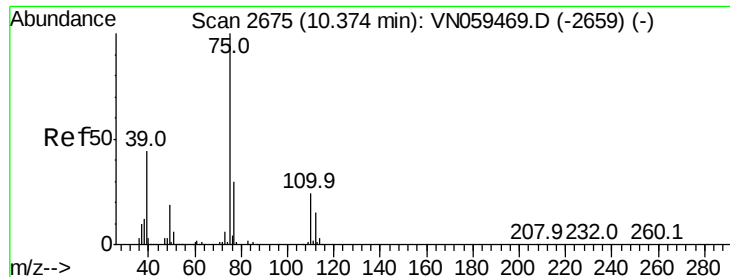
Tgt Ion: 92 Resp: 1071902

Ion Ratio Lower Upper

92 100

91 170.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 113.081 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

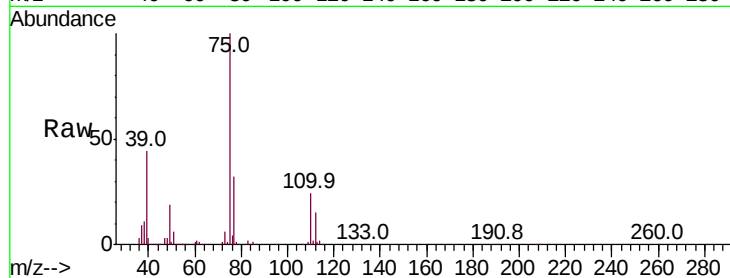
ClientSampleId :

Tot Ion: 75 Resp: 700687

Ion Ratio Lower Upper

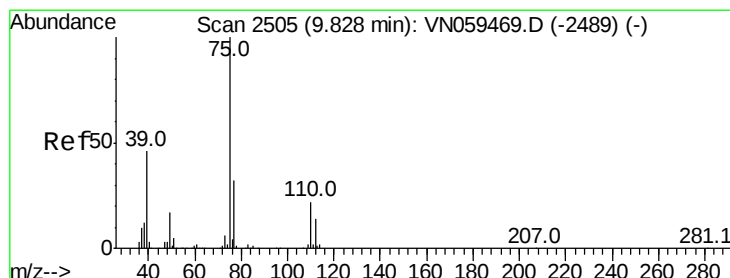
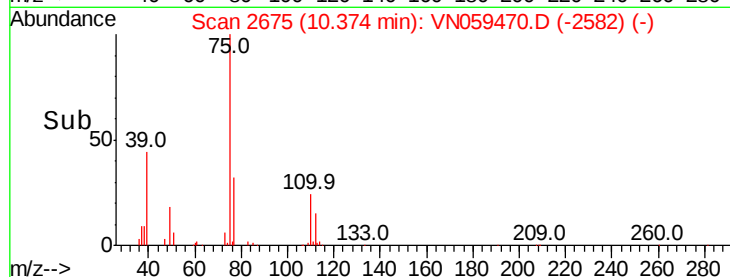
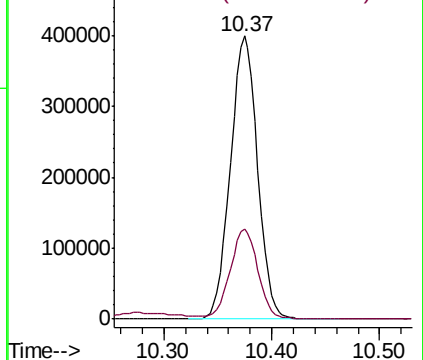
75 100

77 31.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 113.441 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

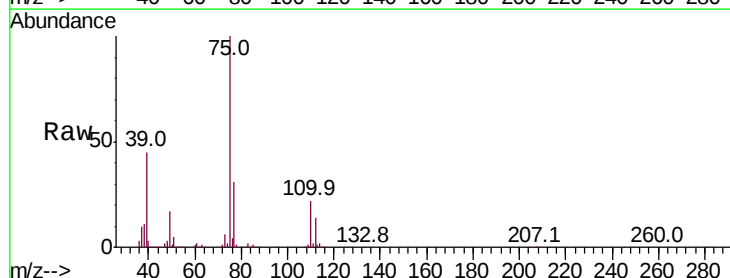
Tgt Ion: 75 Resp: 755916

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

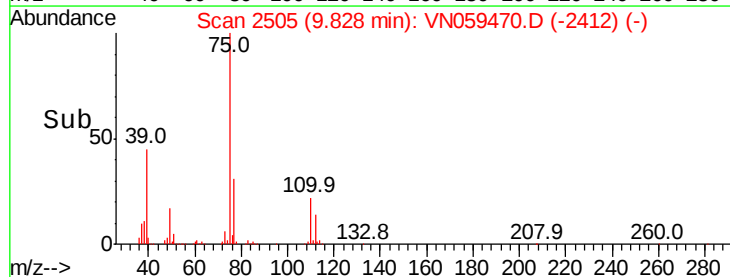
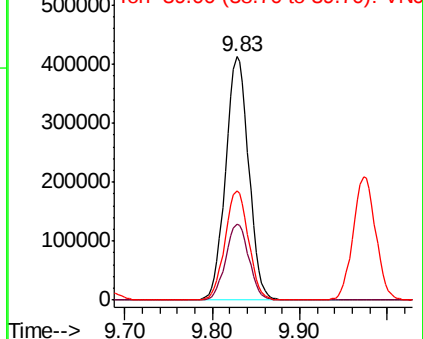
39 44.8 36.6 54.8

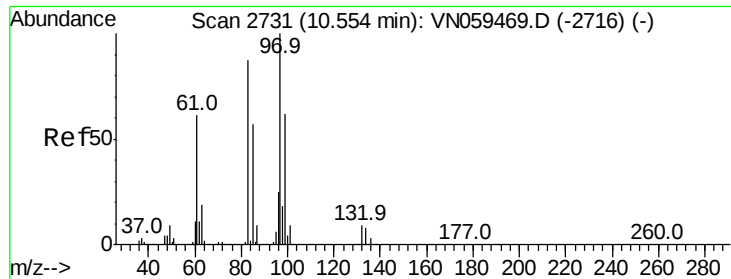


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 107.189 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

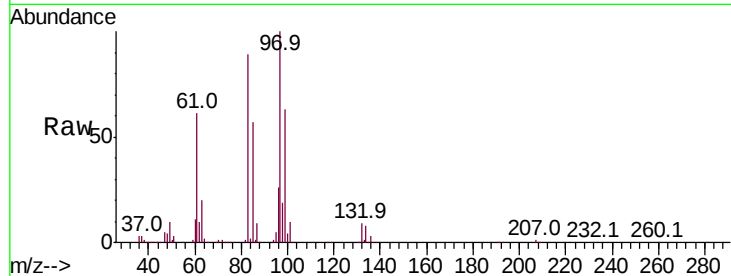
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 414818

Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.8	104.8
85	57.2	45.5	68.3
99	62.5	50.0	75.0

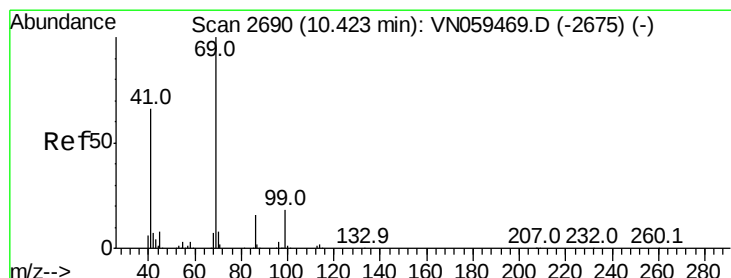
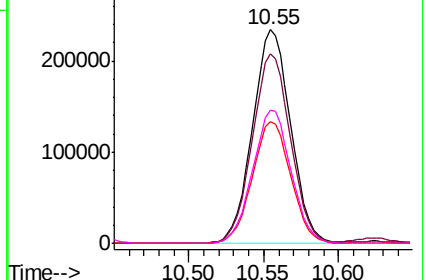
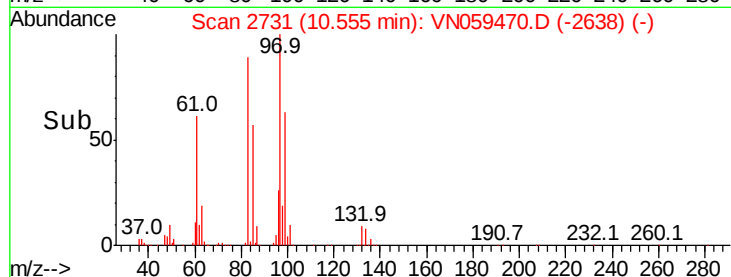


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 121.181 ug/l

RT: 10.42 min Scan# 2690

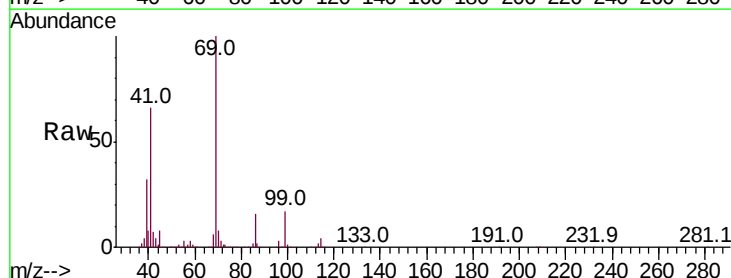
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion: 69 Resp: 684815

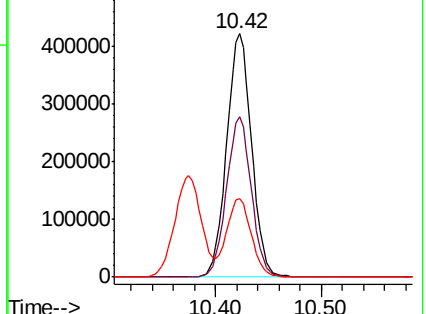
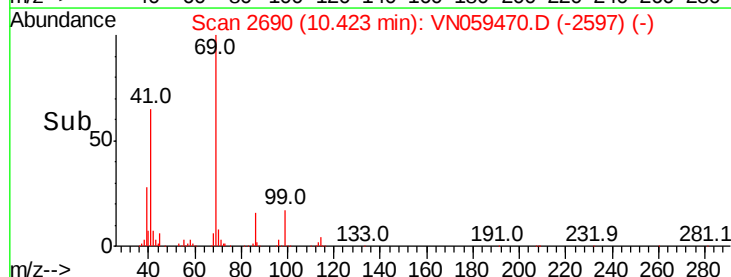
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.7	79.1
39	31.8	25.0	37.6

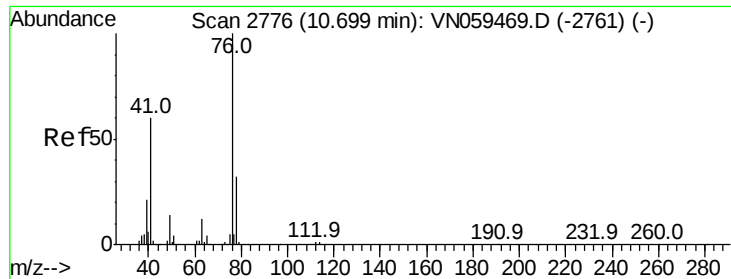


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 109.287 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

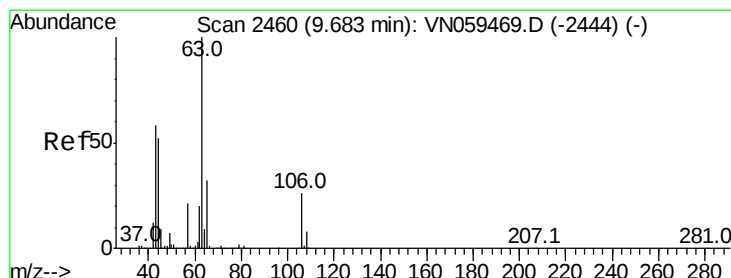
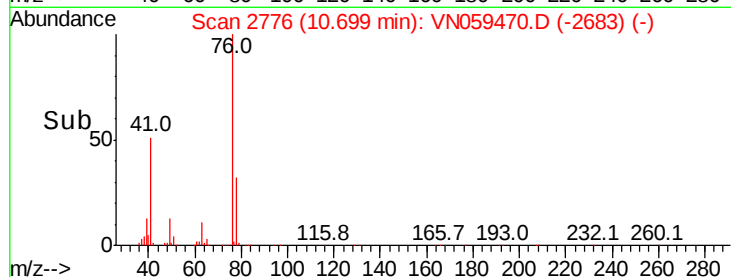
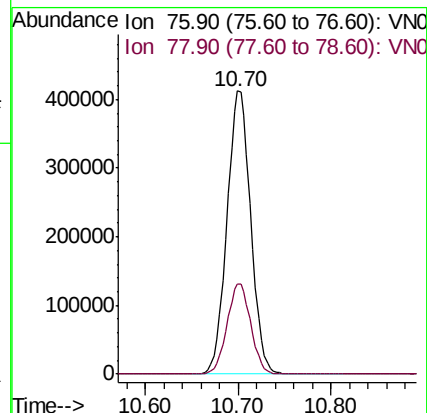
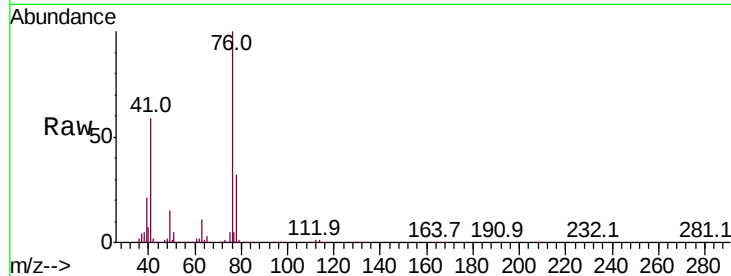
ClientSampled :

Tot Ion: 76 Resp: 728306

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 719.889 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059470.D

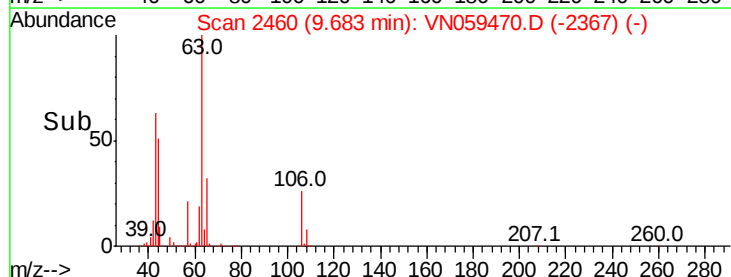
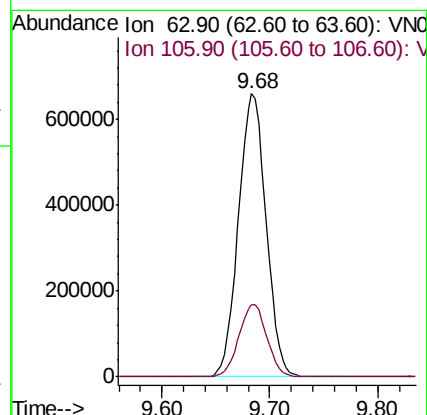
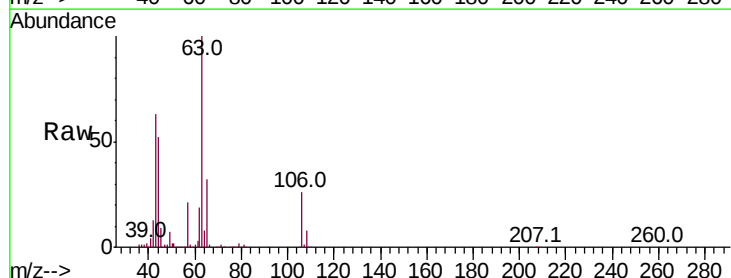
Acq: 3 Dec 2019 14:47

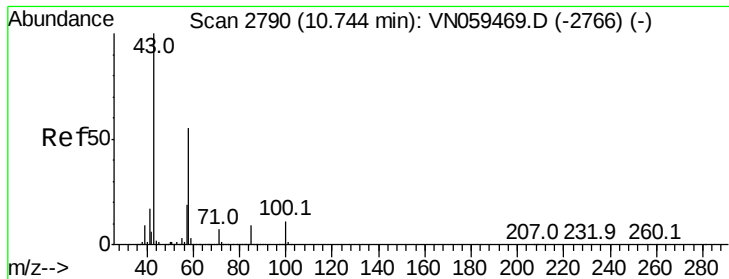
Tgt Ion: 63 Resp: 1172959

Ion Ratio Lower Upper

63 100

106 25.8 20.4 30.6

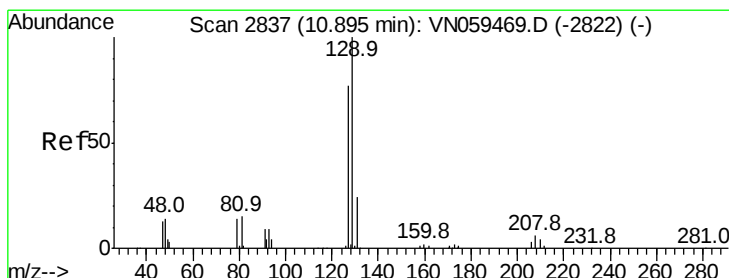
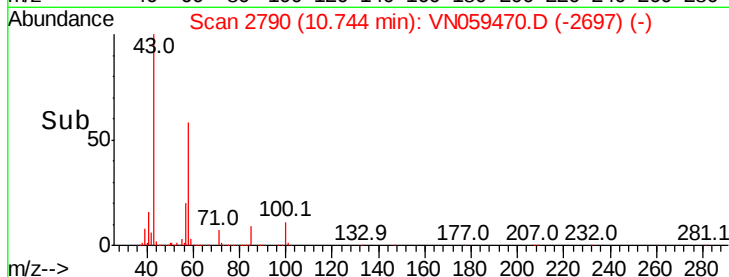
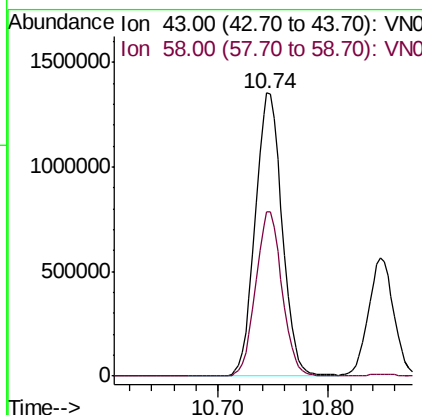
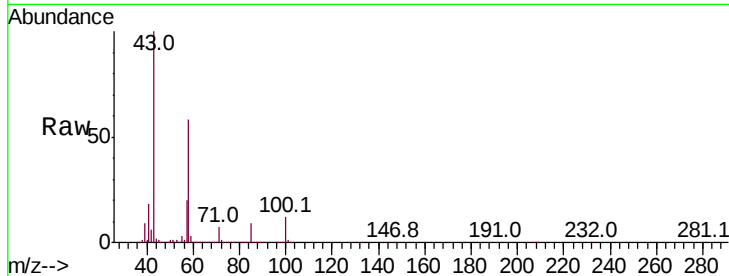




#59
2-Hexanone
Concen: 583.107 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

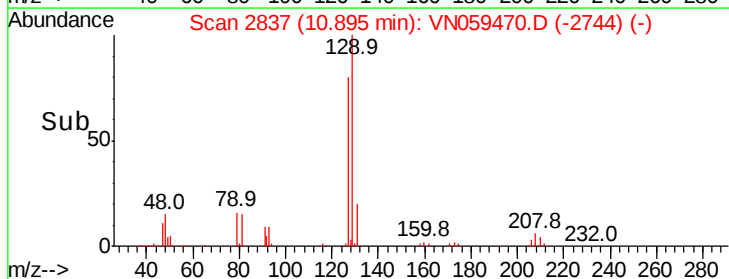
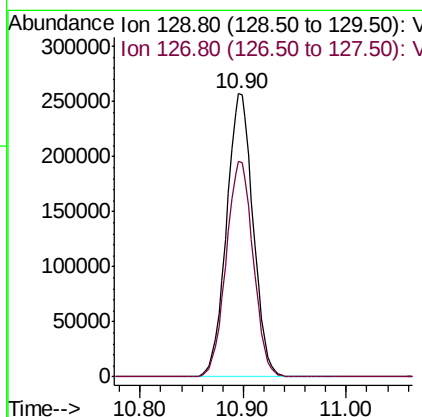
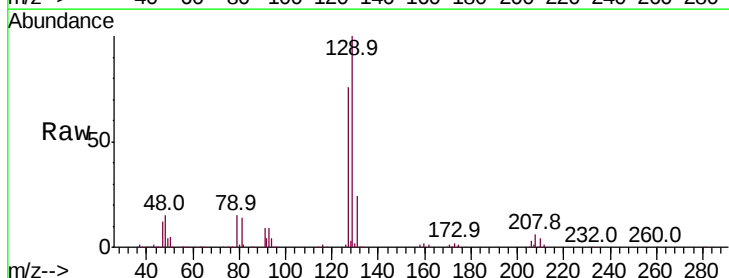
Instrument :
MSVOA_N
ClientSampleId :

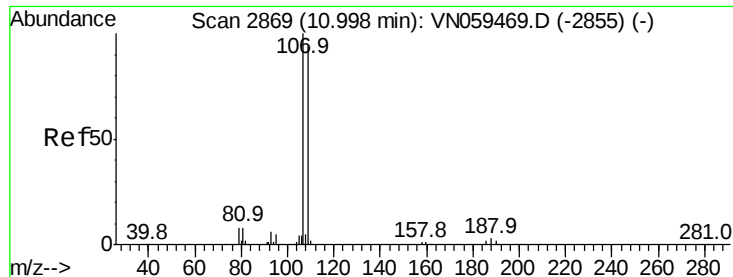
Tot Ion: 43 Resp: 2286734
Ion Ratio Lower Upper
43 100
58 56.9 27.7 83.0



#60
Dibromochloromethane
Concen: 114.752 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion: 129 Resp: 461767
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9

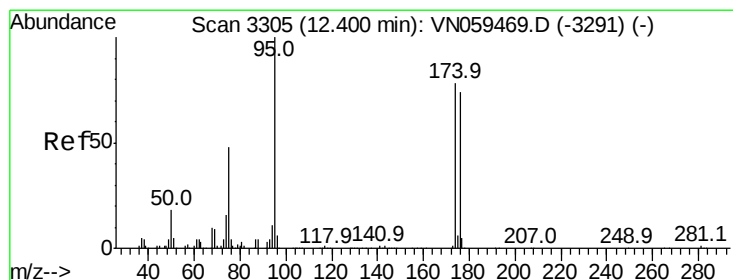
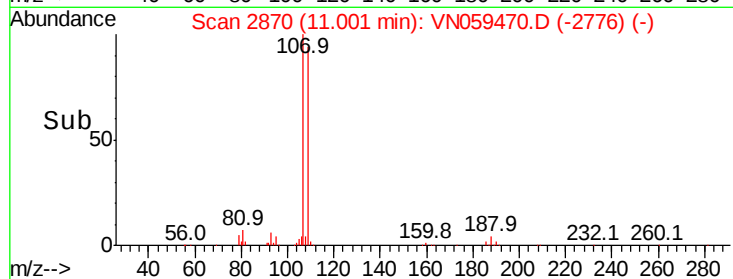
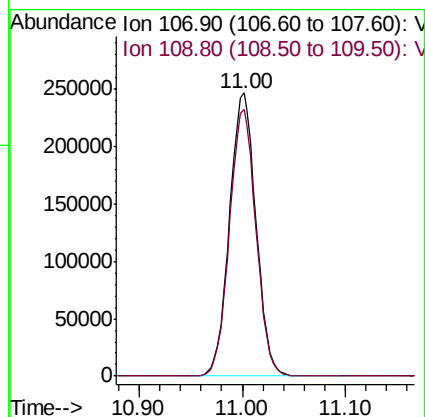
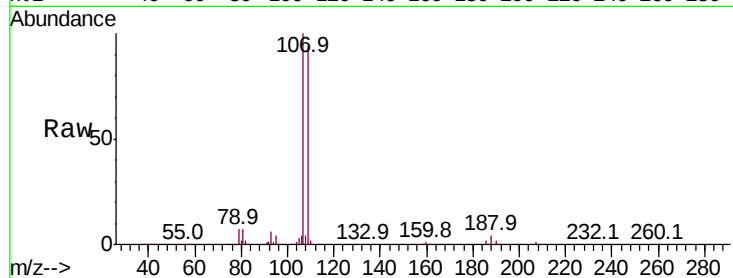




#61
 1,2-Dibromoethane
 Concen: 111.192 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

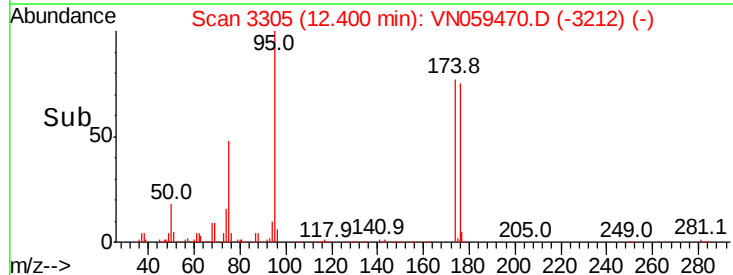
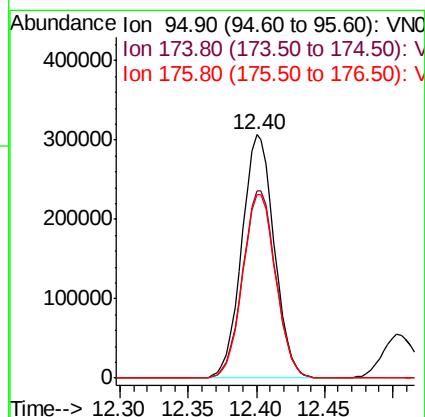
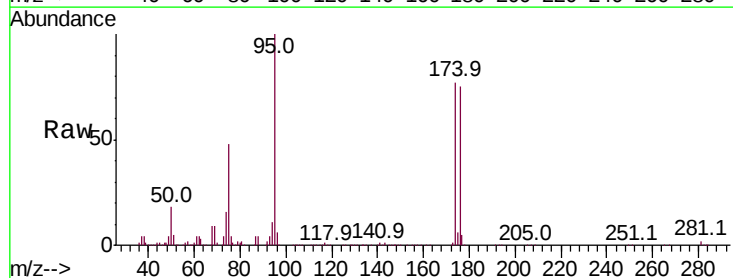
Instrument :
 MSVOA_N
 ClientSampled :

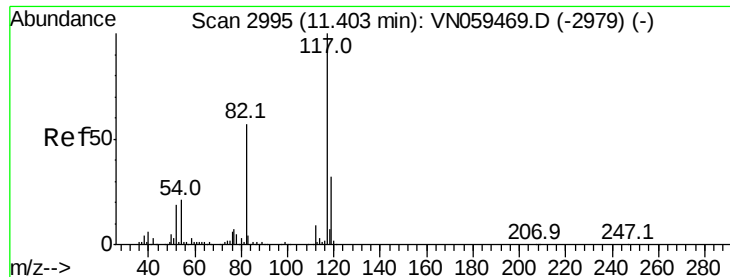
Tot Ion:107 Resp: 440921
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 104.474 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion: 95 Resp: 506754
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.0
 176 76.6 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: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

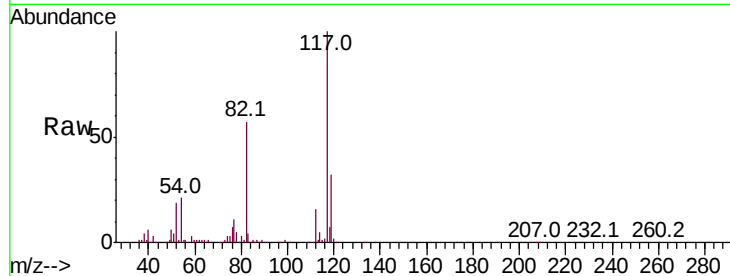
Tot Ion:117 Resp: 512696

Ion Ratio Lower Upper

117 100

82 57.1 45.8 68.8

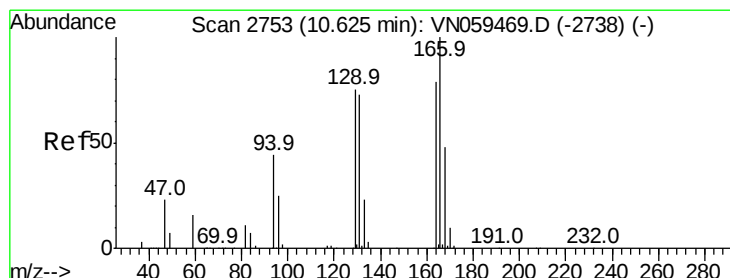
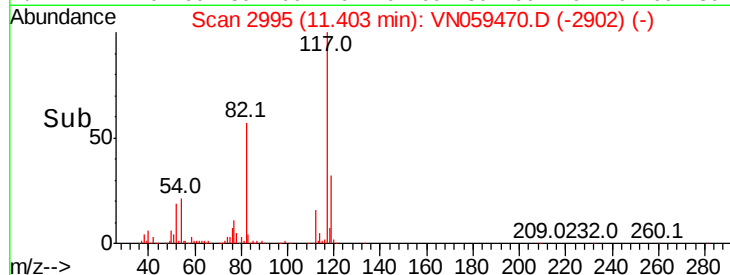
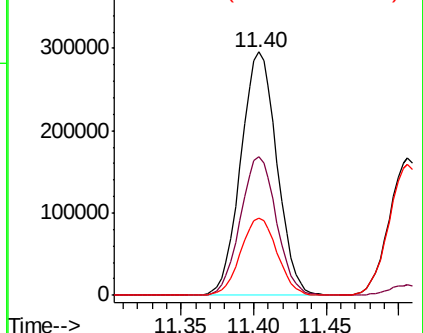
119 31.7 25.4 38.0



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: 109.622 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion:164 Resp: 421264

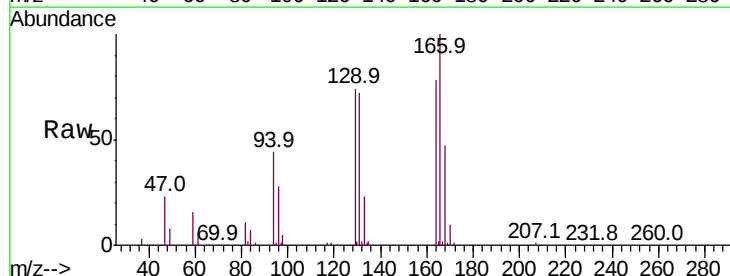
Ion Ratio Lower Upper

164 100

166 128.6 101.2 151.8

129 95.3 76.1 114.1

131 93.0 73.7 110.5

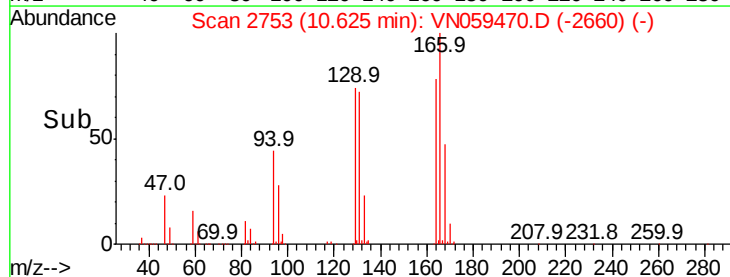
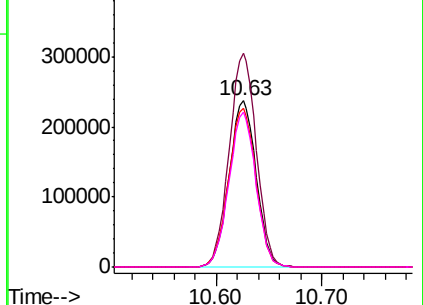


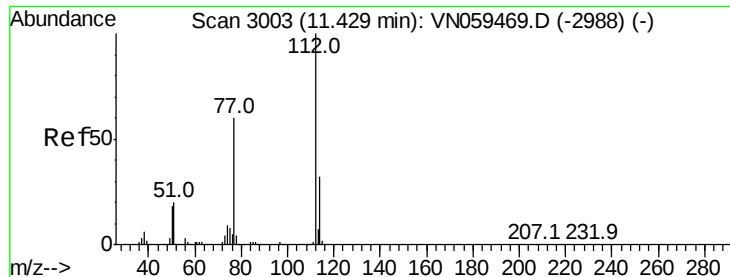
Abundance Ion 163.80 (163.50 to 164.50): V

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: 105.825 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

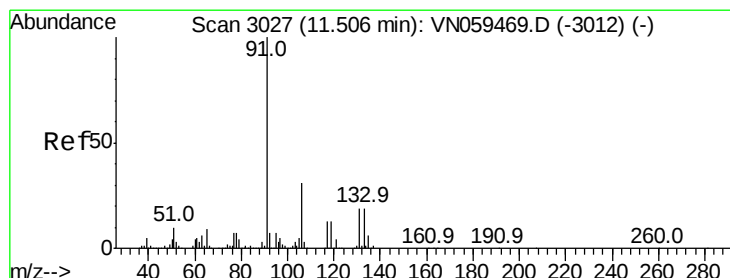
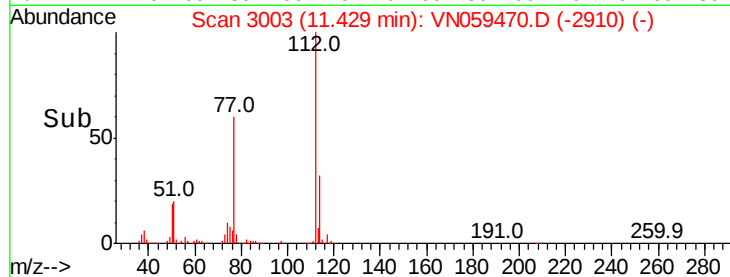
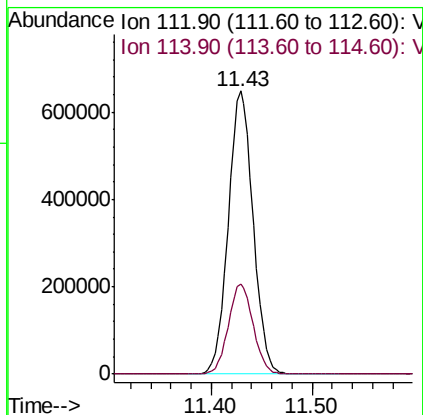
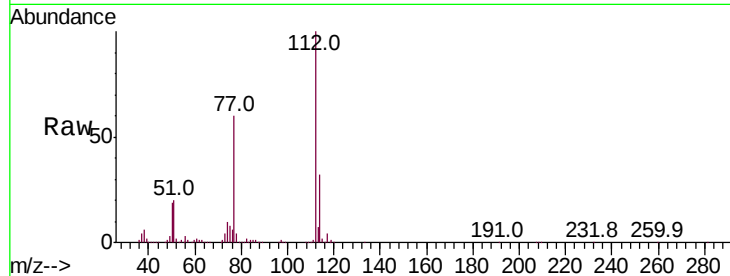
ClientSampleId :

Tot Ion:112 Resp: 1110527

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 108.837 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

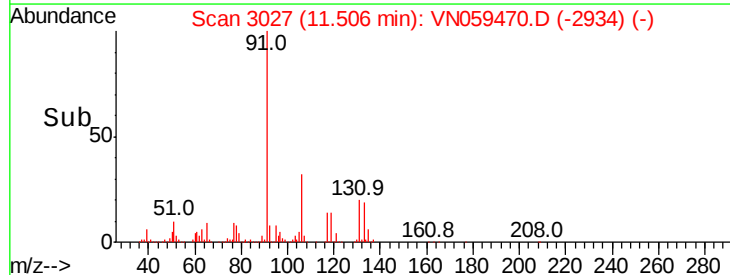
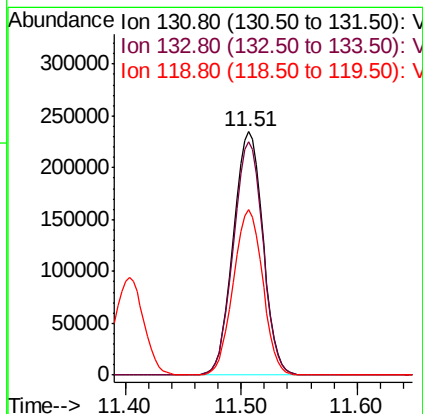
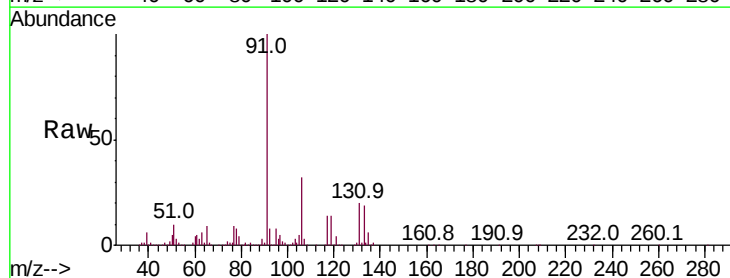
Tgt Ion:131 Resp: 414682

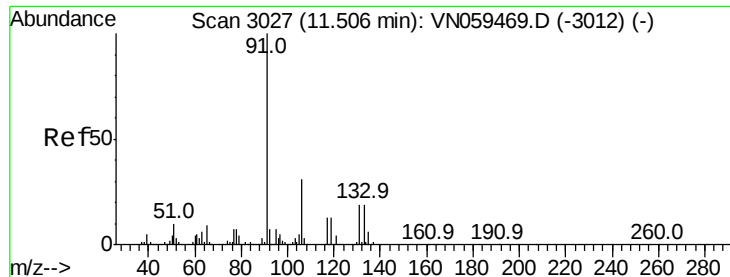
Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

119 67.6 33.9 101.6





#67

Ethyl Benzene

Concen: 108.778 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

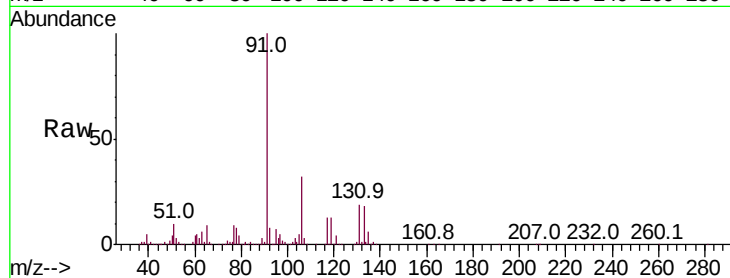
ClientSampled :

Tot Ion: 91 Resp: 2010366

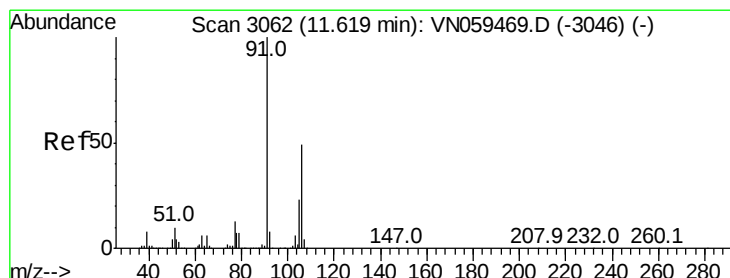
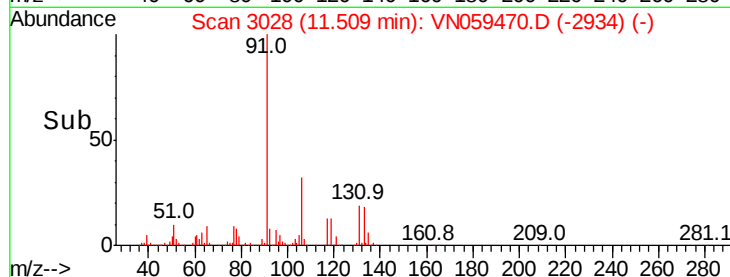
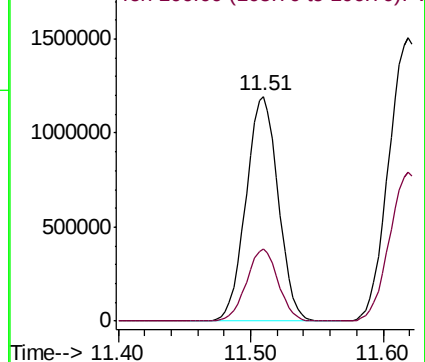
Ion Ratio Lower Upper

91 100

106 32.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059470.D (-2934) (-)



#68

m/p-Xylenes

Concen: 220.135 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059470.D

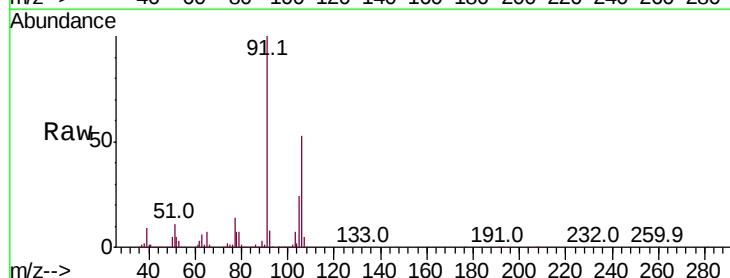
Acq: 3 Dec 2019 14:47

Tgt Ion: 106 Resp: 1522544

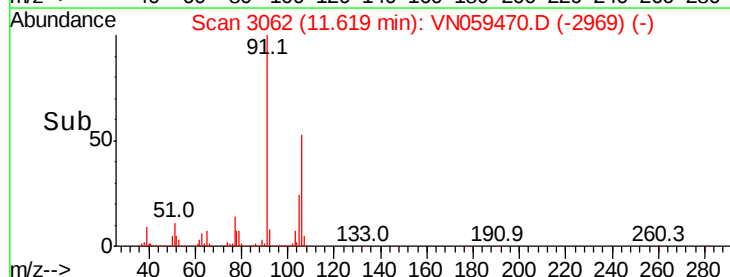
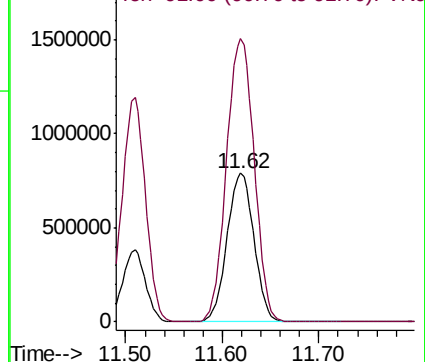
Ion Ratio Lower Upper

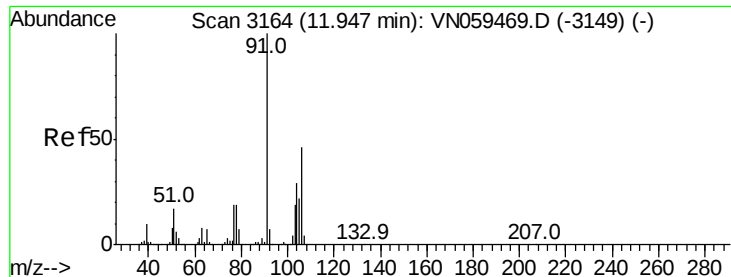
106 100

91 196.8 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN059470.D (-2969) (-)

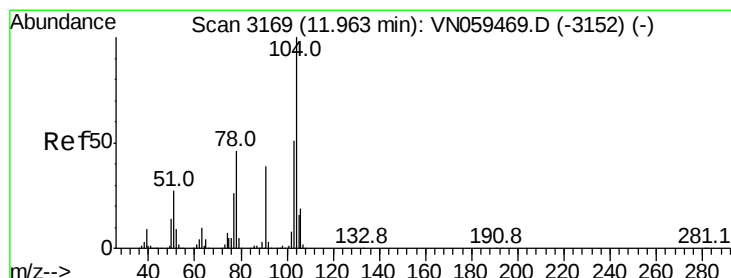
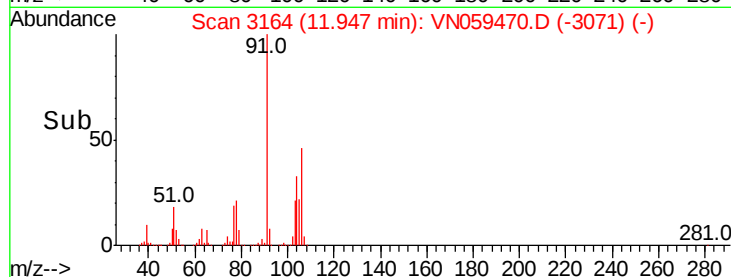
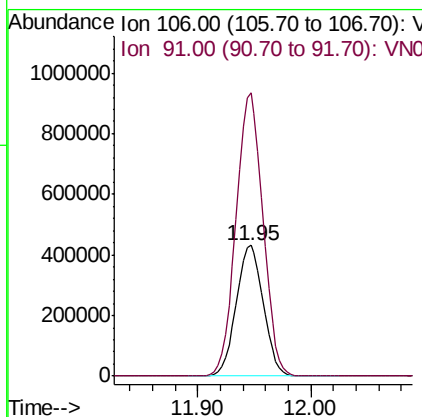
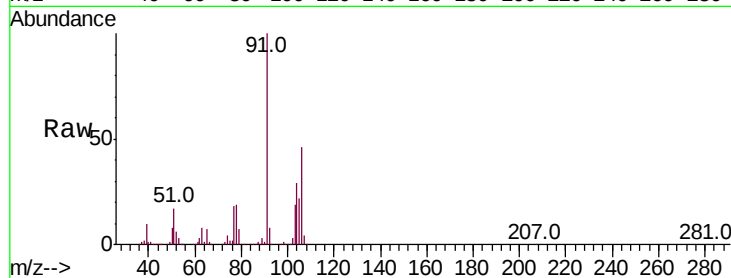




#69
o-Xylene
Concen: 108.695 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

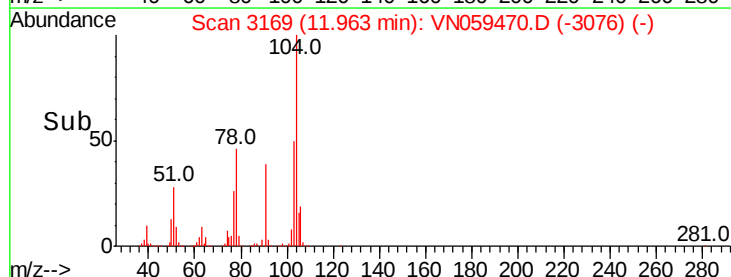
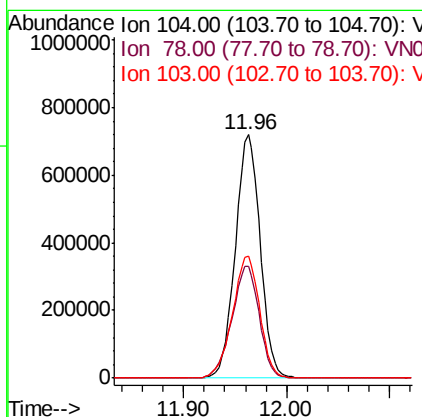
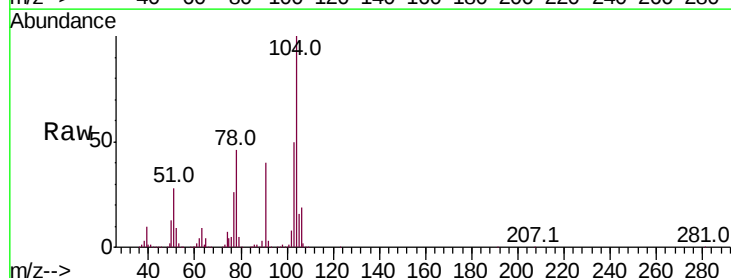
Instrument :
MSVOA_N
ClientSampled :

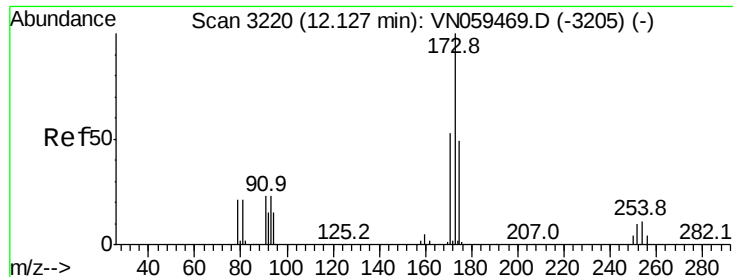
Tot Ion:106 Resp: 718009
Ion Ratio Lower Upper
106 100
91 216.1 108.5 325.3



#70
Styrene
Concen: 117.101 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059470.D
Acq: 3 Dec 2019 14:47

Tgt Ion:104 Resp: 1213053
Ion Ratio Lower Upper
104 100
78 50.5 41.0 61.4
103 54.7 44.7 67.1





#71

Bromoform

Concen: 116.465 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

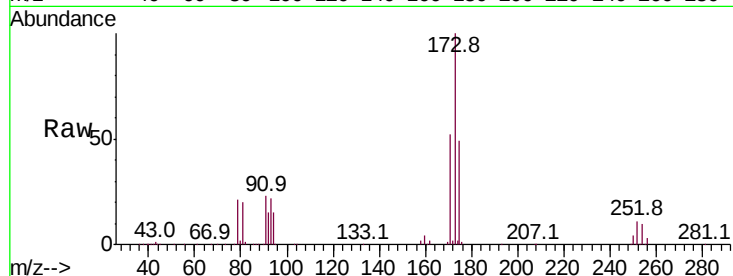
Tot Ion:173 Resp: 339569

Ion Ratio Lower Upper

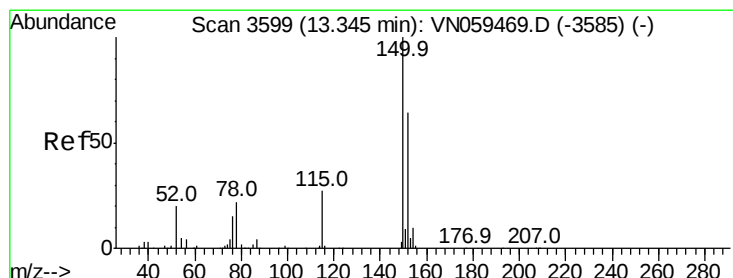
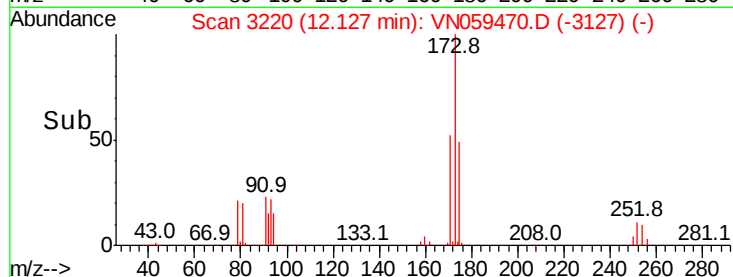
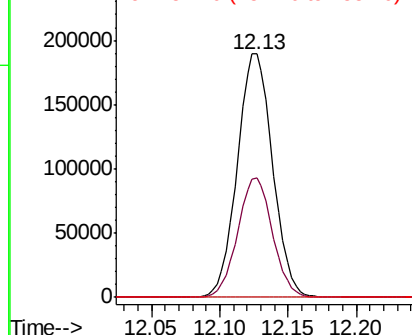
173 100

175 48.4 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: VN059470.D

Acq: 3 Dec 2019 14:47

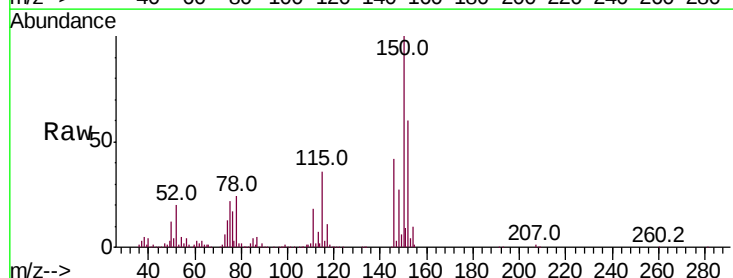
Tgt Ion:152 Resp: 242854

Ion Ratio Lower Upper

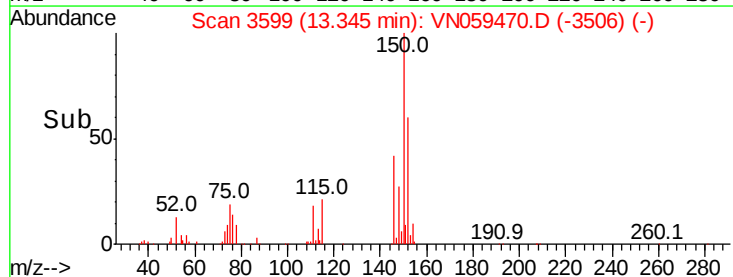
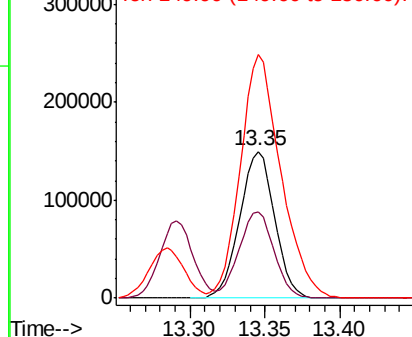
152 100

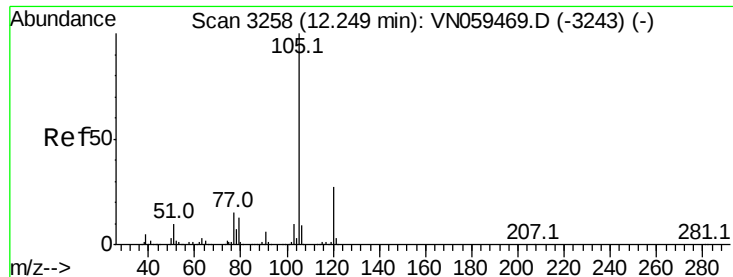
115 59.1 29.2 87.6

150 192.8 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: 105.833 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

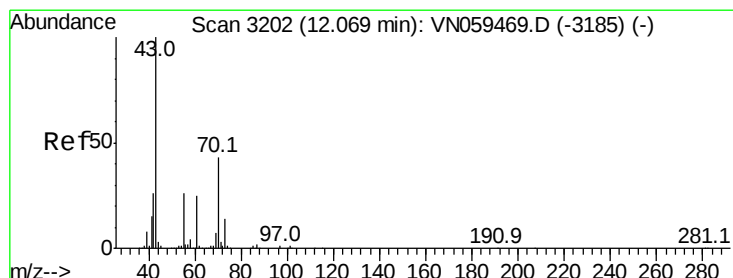
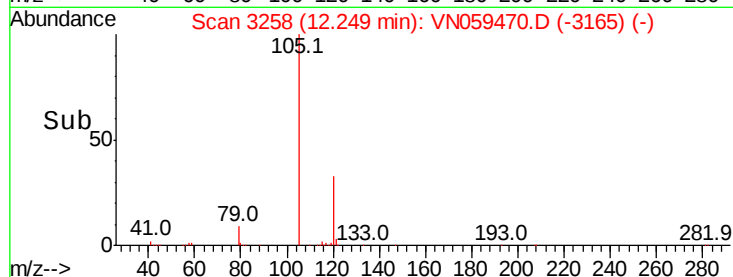
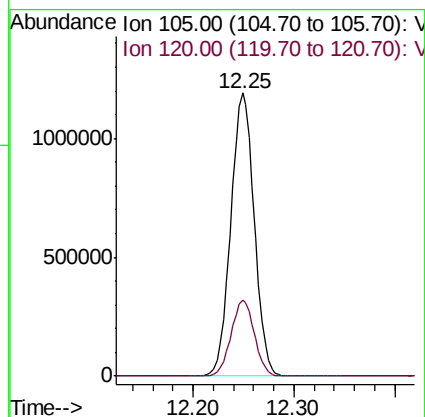
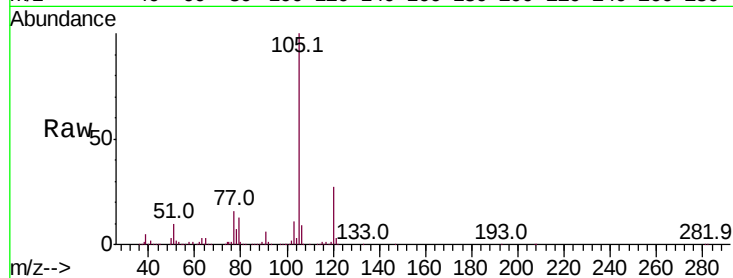
ClientSampleId :

Tot Ion:105 Resp: 1927807

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 120.306 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion: 43 Resp: 836848

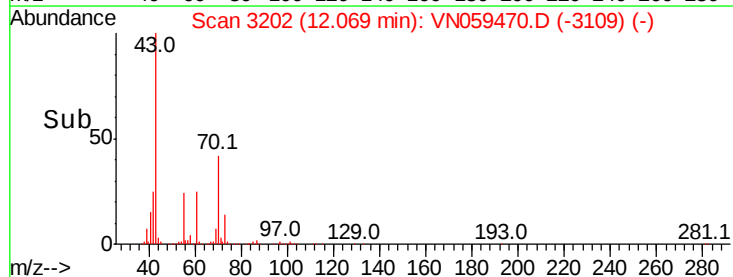
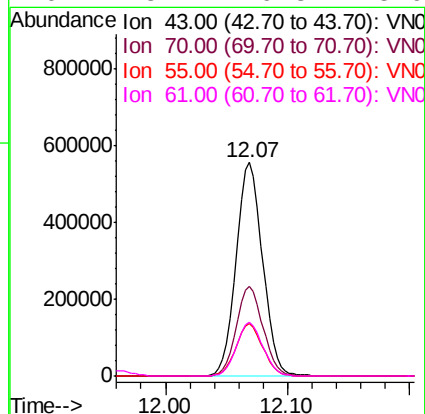
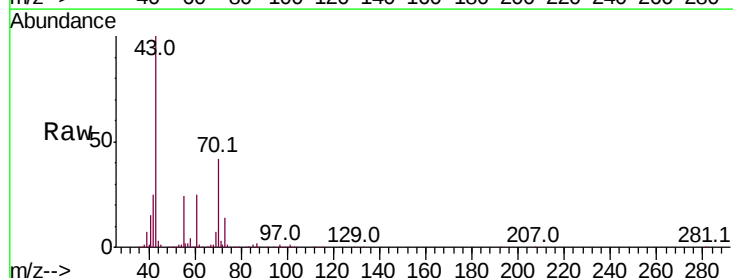
Ion Ratio Lower Upper

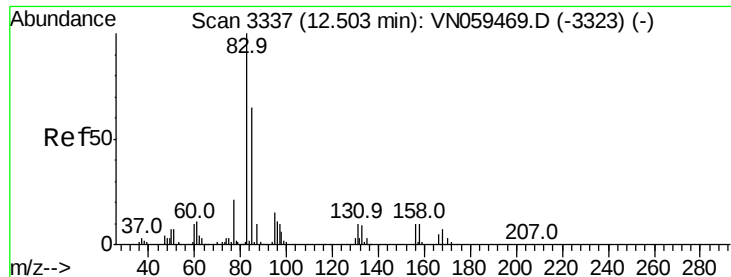
43 100

70 42.3 34.2 51.2

55 24.9 20.6 31.0

61 25.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 102.454 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

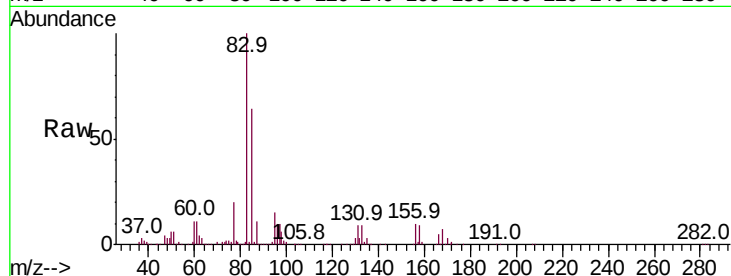
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 83 Resp: 612510

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.2	96.6

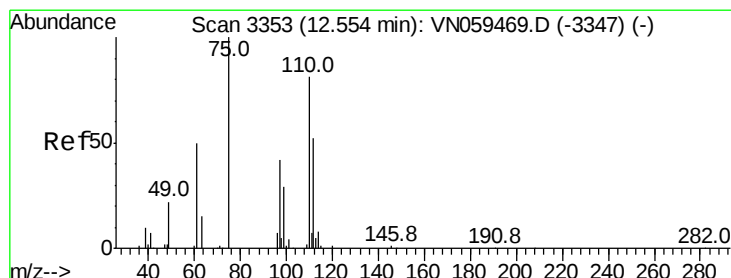
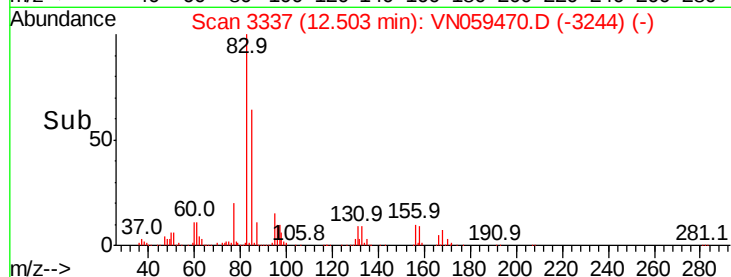
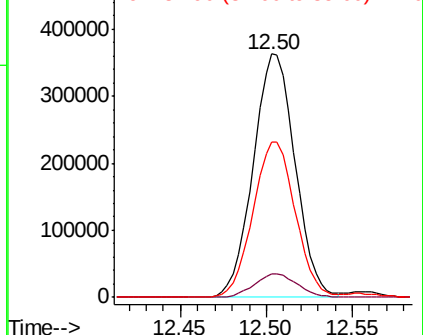


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 149.966 ug/l

RT: 12.55 min Scan# 3353

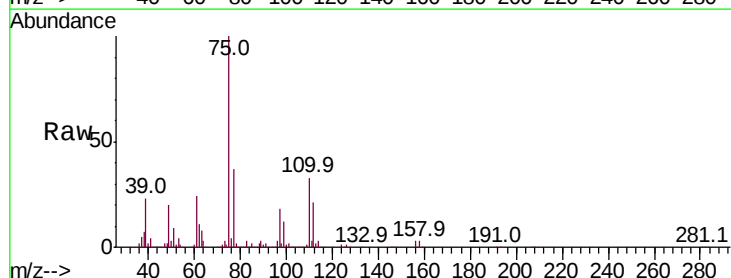
Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion: 75 Resp: 846364

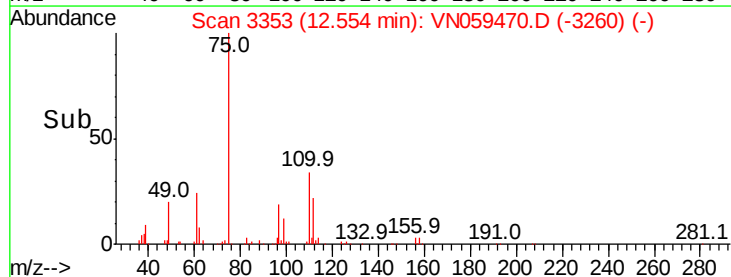
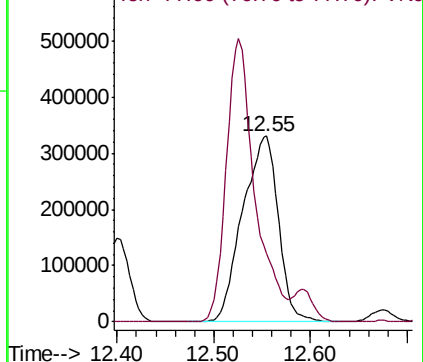
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

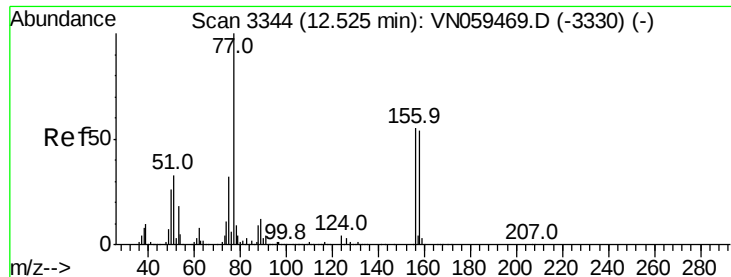


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 104.287 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

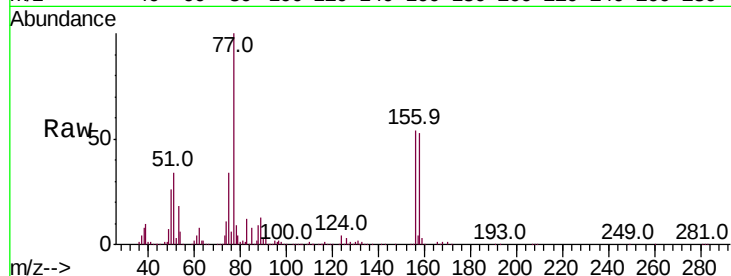
Tot Ion:156 Resp: 464901

Ion Ratio Lower Upper

156 100

77 223.7 110.3 331.0

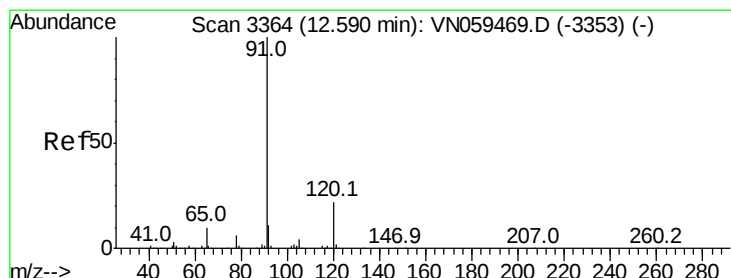
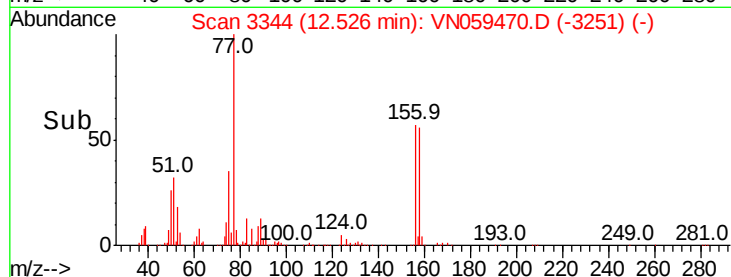
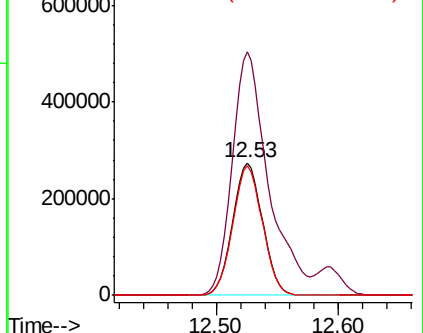
158 97.2 48.5 145.5



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: 106.924 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059470.D

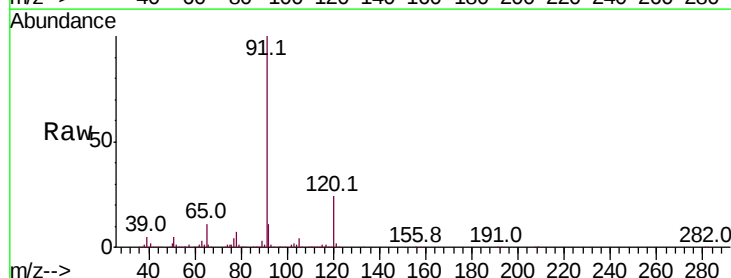
Acq: 3 Dec 2019 14:47

Tgt Ion: 91 Resp: 2249991

Ion Ratio Lower Upper

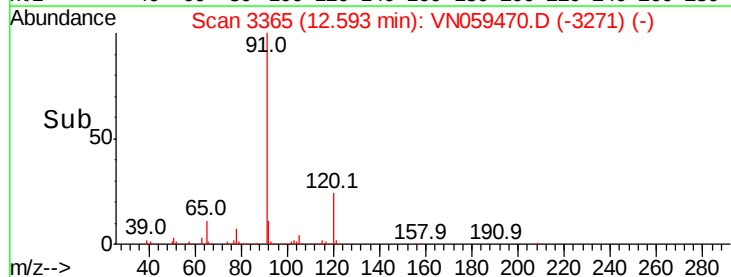
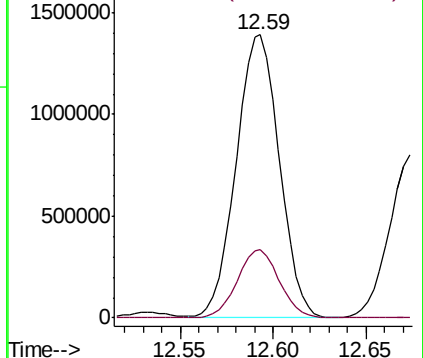
91 100

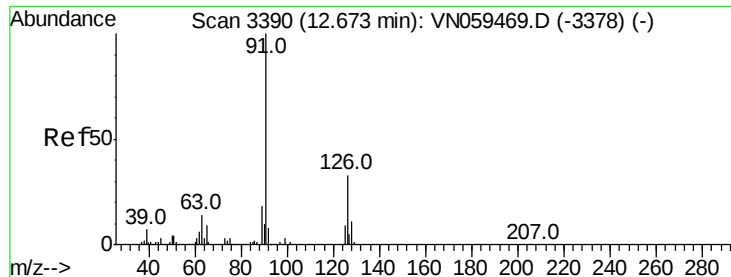
120 23.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 105.665 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

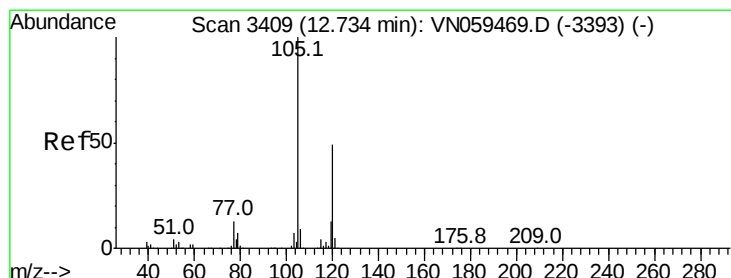
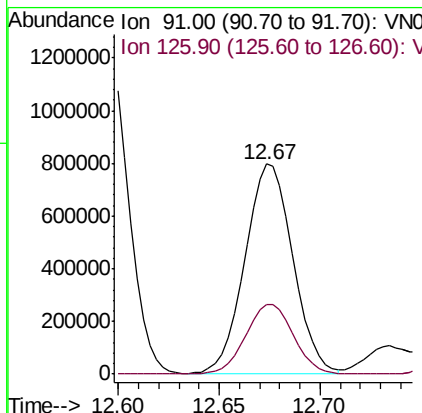
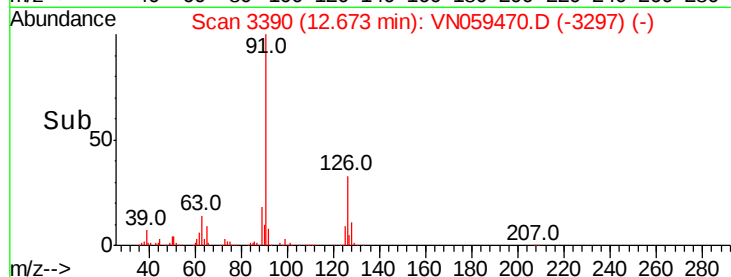
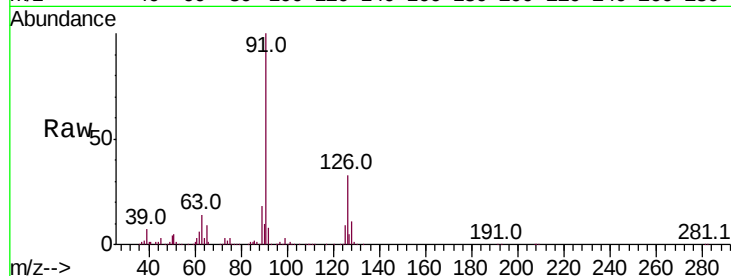
ClientSampleId :

Tot Ion: 91 Resp: 1328080

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 106.229 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059470.D

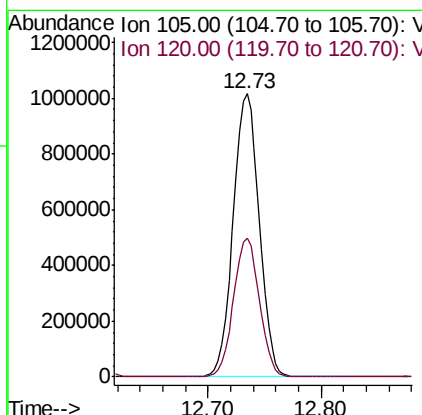
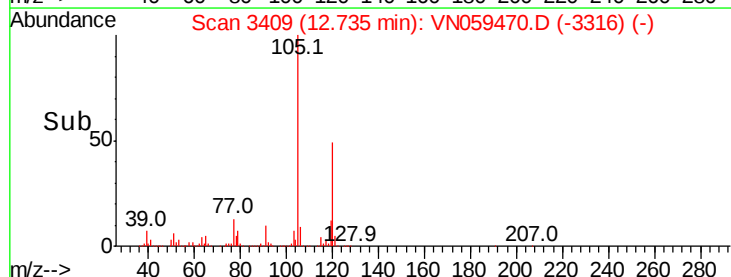
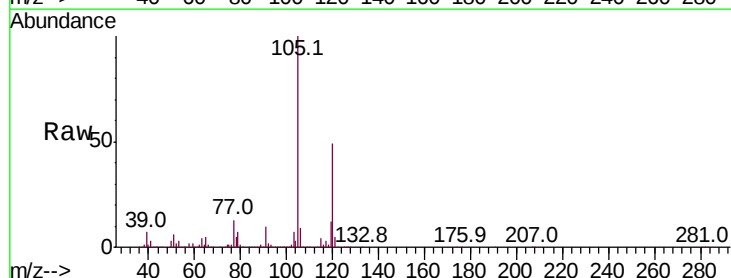
Acq: 3 Dec 2019 14:47

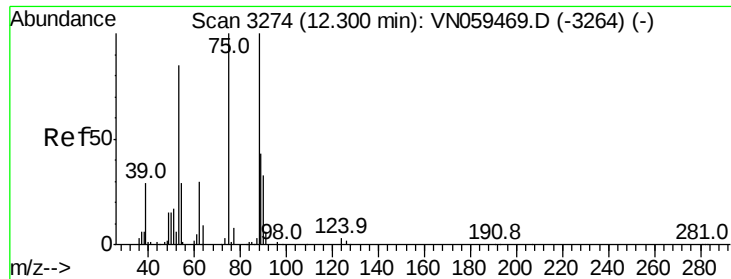
Tgt Ion:105 Resp: 1626680

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 110.929 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

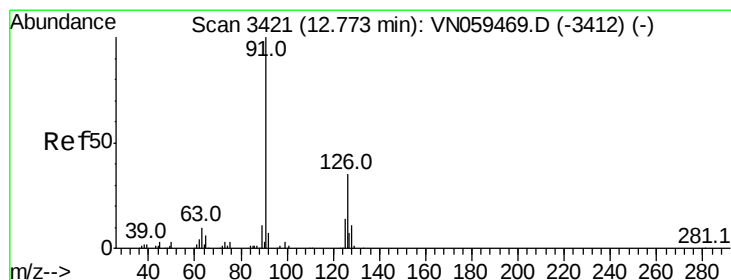
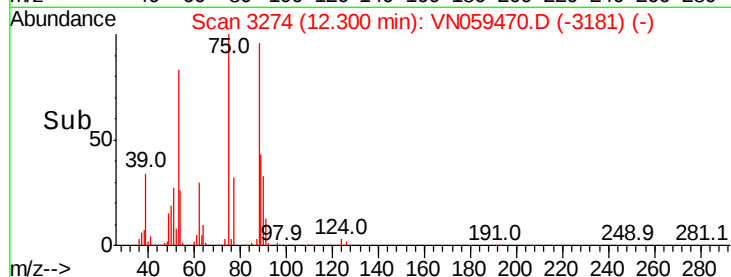
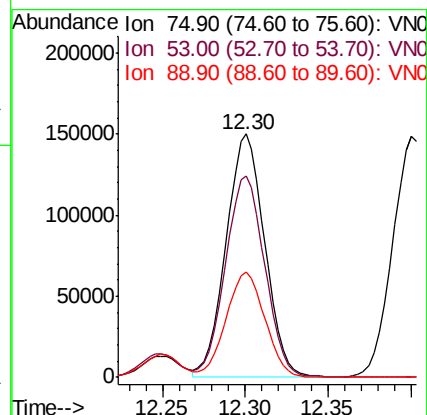
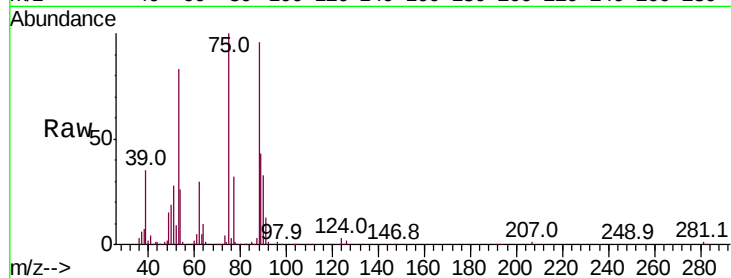
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 242529

Ion	Ratio	Lower	Upper
75	100		
53	84.5	69.8	104.6
89	43.5	35.2	52.8



#82

4-Chlorotoluene

Concen: 106.418 ug/l

RT: 12.77 min Scan# 3421

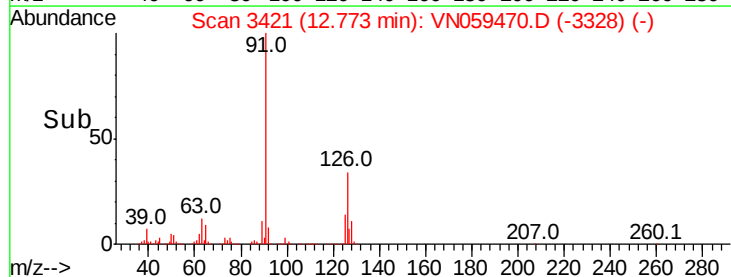
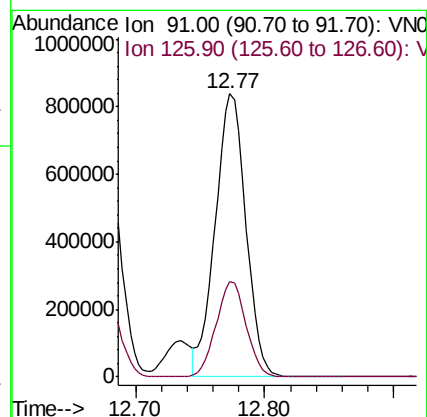
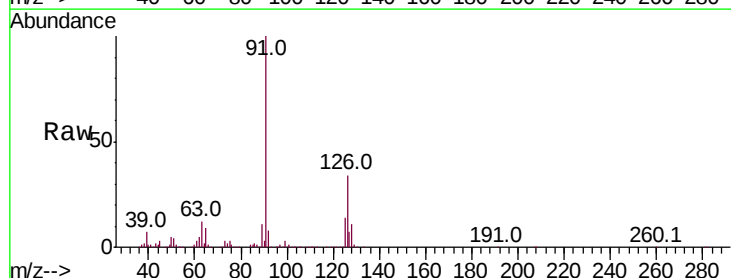
Delta R.T. 0.00 min

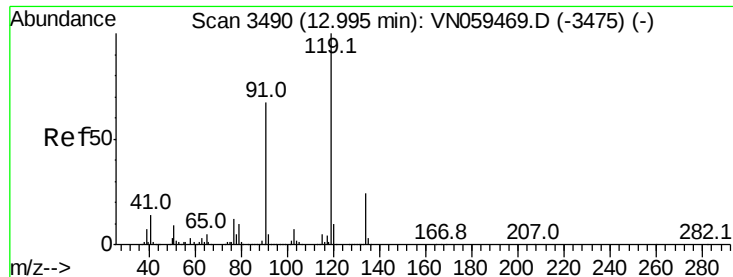
Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Tgt Ion: 91 Resp: 1377819

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.2

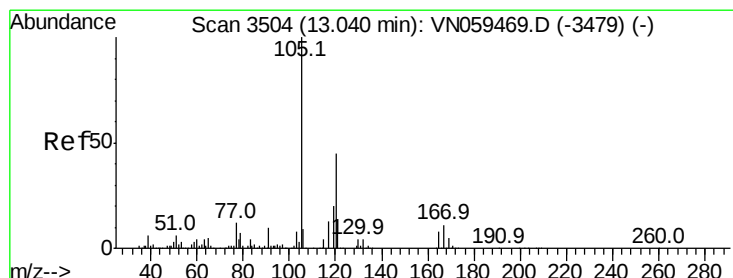
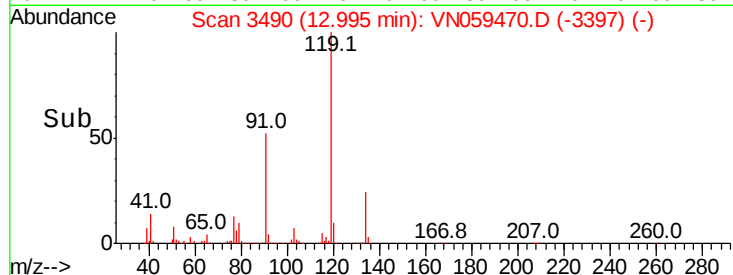
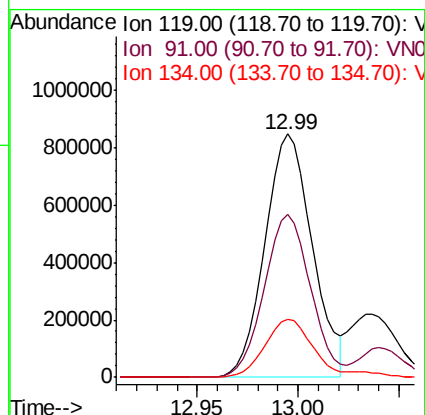
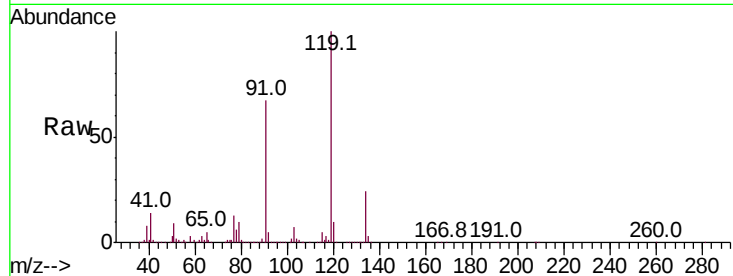




#83
 tert-Butylbenzene
 Concen: 105.570 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

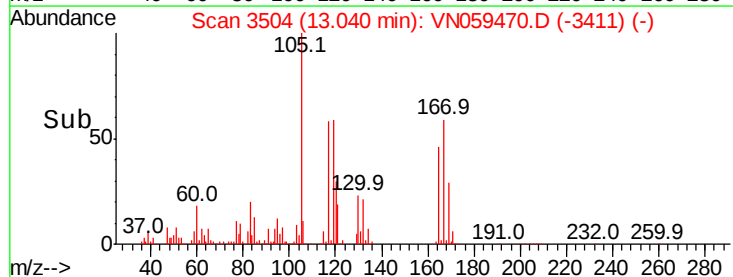
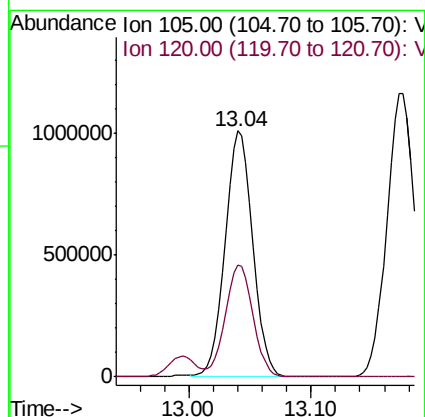
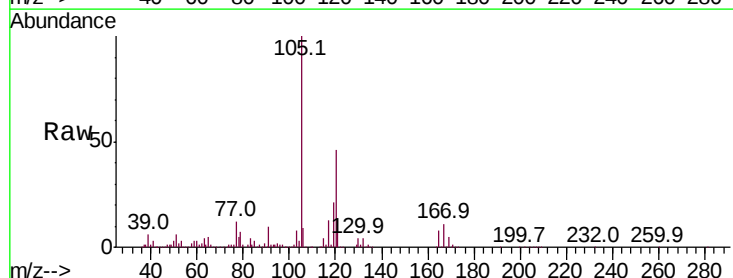
Instrument :
 MSVOA_N
 ClientSampled :

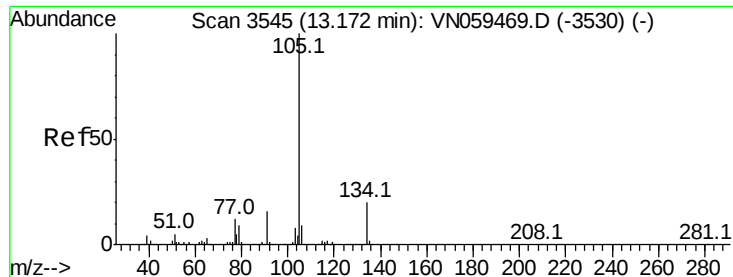
Tot Ion:119 Resp: 1392171
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.6 97.7
 134 25.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 106.918 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion:105 Resp: 1604540
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.8





#85

sec-Butylbenzene

Concen: 107.236 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

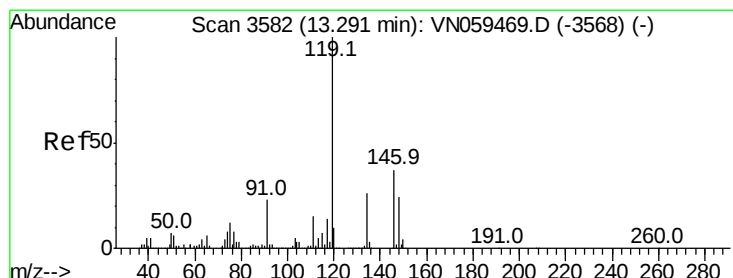
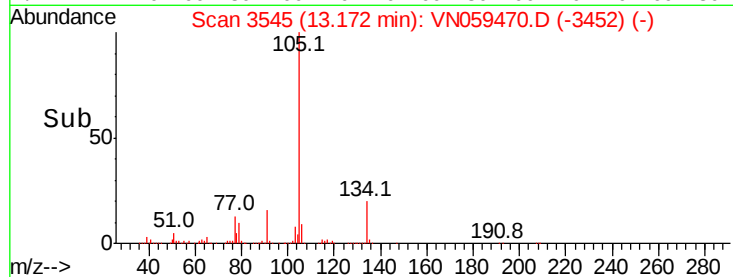
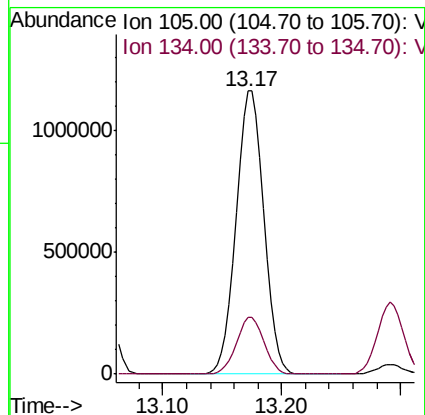
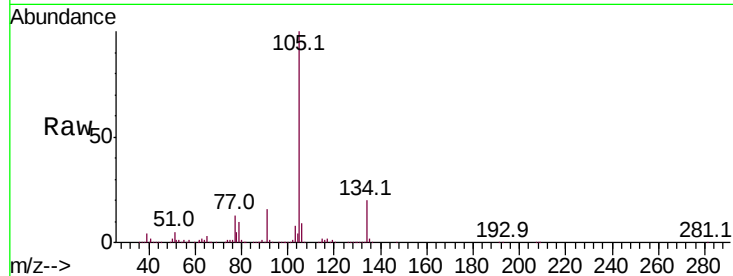
ClientSampleId :

Tot Ion:105 Resp: 1875437

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5



#86

p-Isopropyltoluene

Concen: 107.702 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

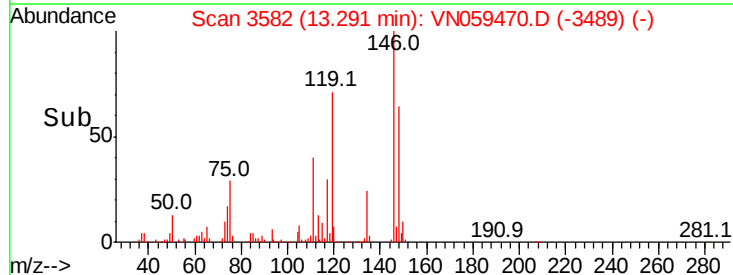
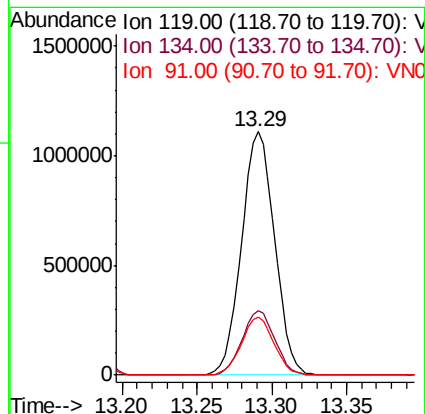
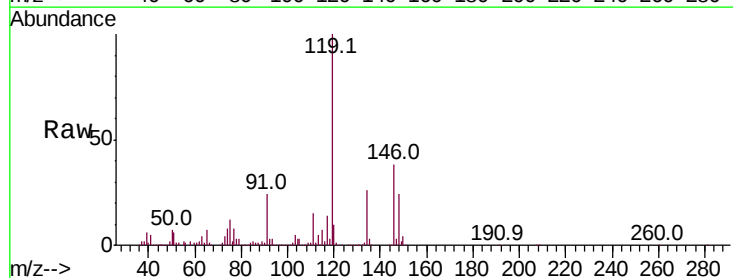
Tgt Ion:119 Resp: 1701340

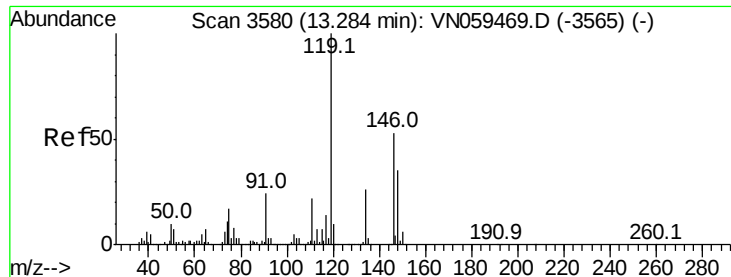
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 23.6 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 105.848 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

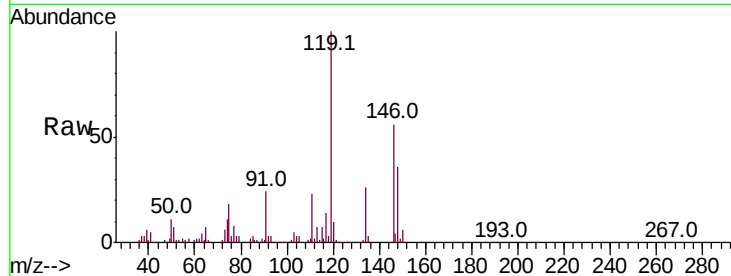
Tot Ion:146 Resp: 835768

Ion Ratio Lower Upper

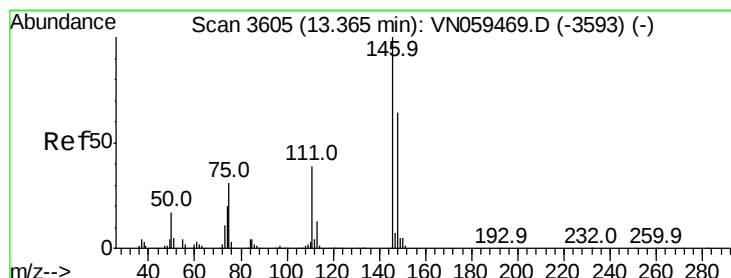
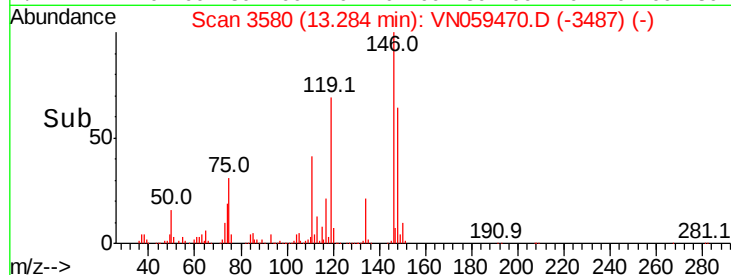
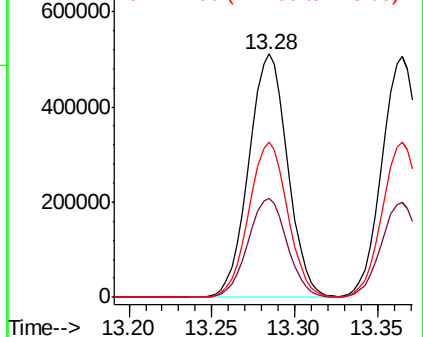
146 100

111 40.8 20.4 61.3

148 63.6 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: 104.063 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

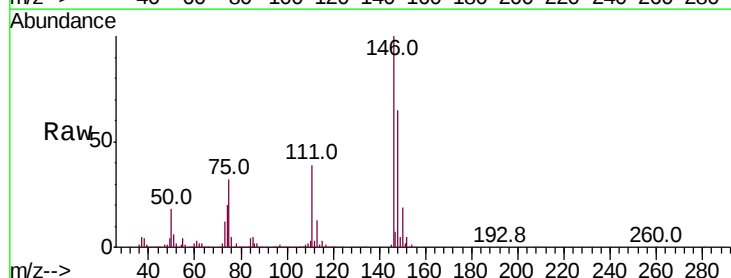
Tgt Ion:146 Resp: 826054

Ion Ratio Lower Upper

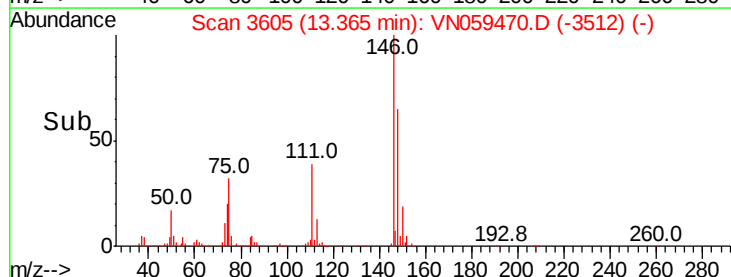
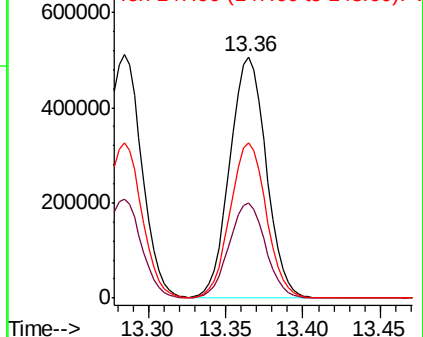
146 100

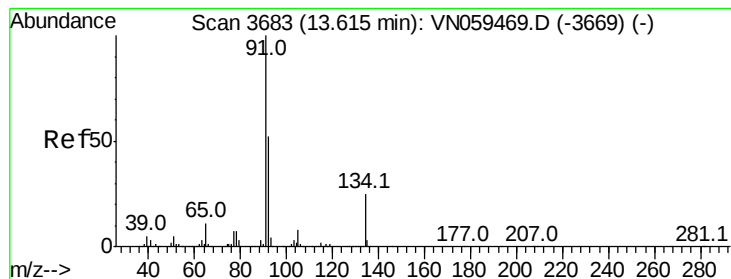
111 39.4 19.8 59.3

148 64.0 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: 112.760 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

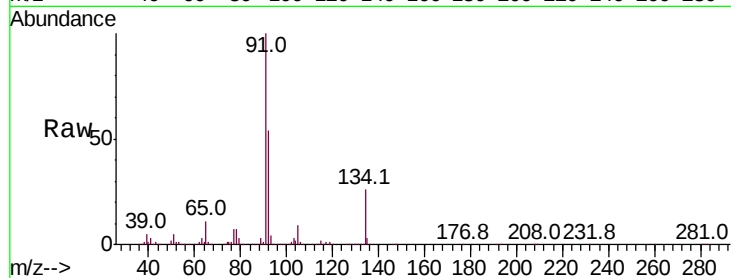
Tot Ion: 91 Resp: 1559452

Ion	Ratio	Lower	Upper
91	100		
92	53.2	25.9	77.8
134	25.8	12.6	37.6

91 100

92 53.2 25.9 77.8

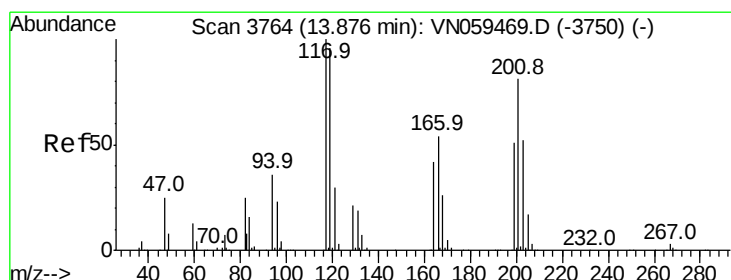
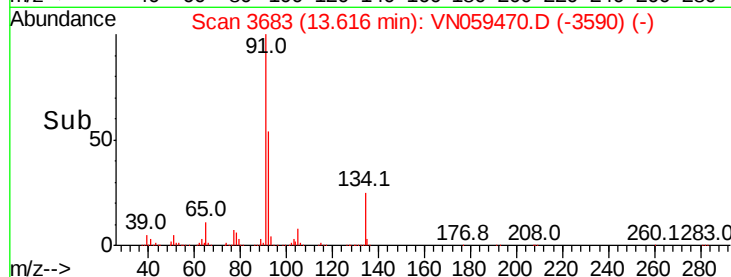
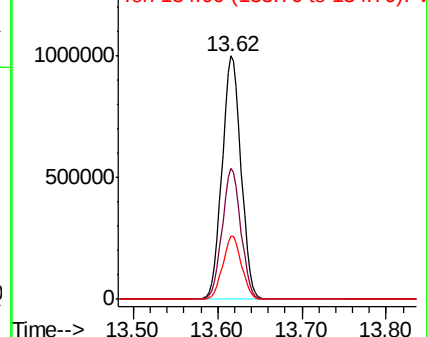
134 25.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN059470.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059470.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059470.D (-3669) (-)



#90

Hexachloroethane

Concen: 104.647 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN059470.D

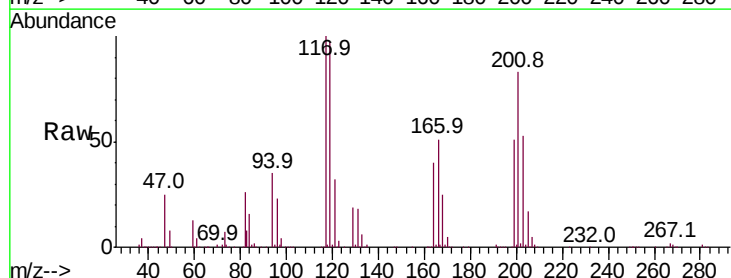
Acq: 3 Dec 2019 14:47

Tgt Ion: 117 Resp: 316639

Ion	Ratio	Lower	Upper
117	100		
201	82.8	40.6	122.0

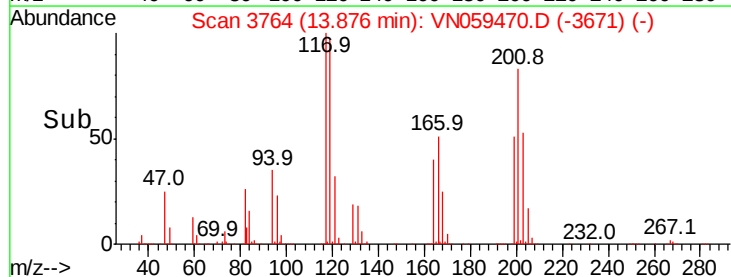
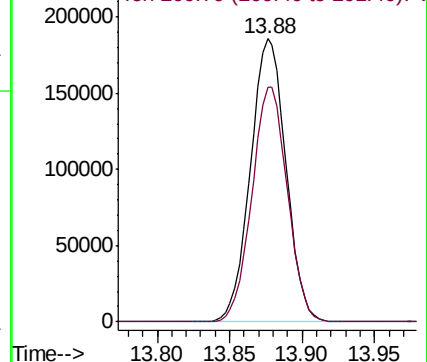
117 100

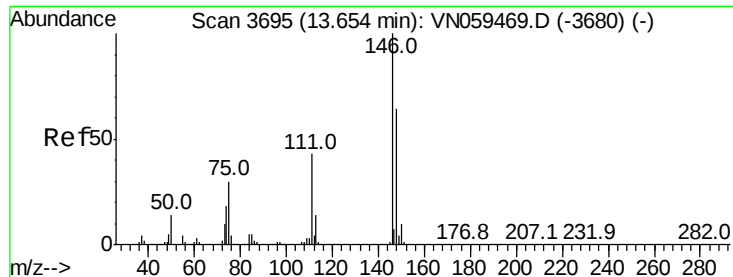
201 82.8 40.6 122.0



Abundance Ion 116.80 (116.50 to 117.50): VN059470.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059470.D (-3750) (-)

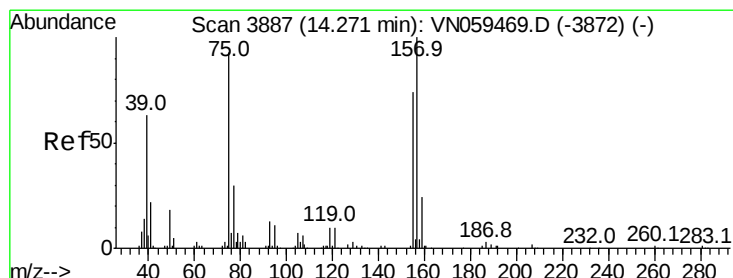
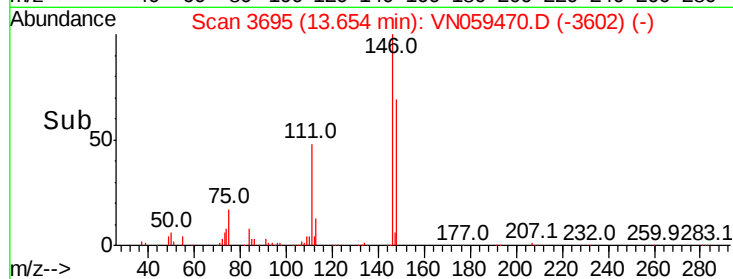
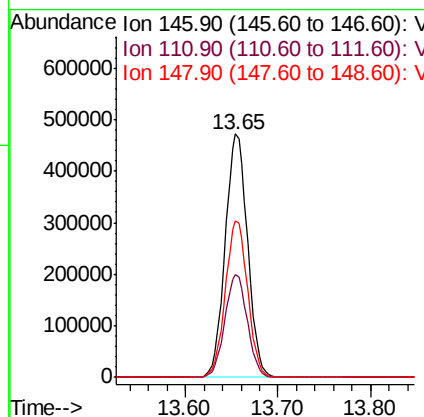
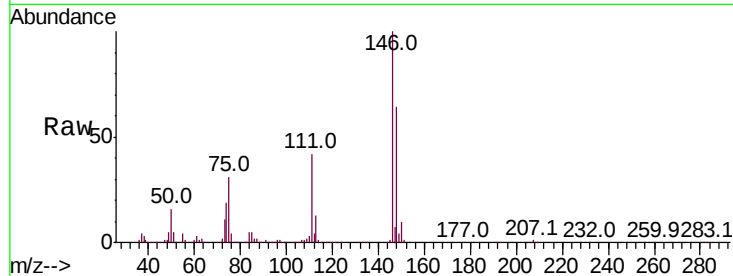




#91
 1,2-Dichlorobenzene
 Concen: 101.809 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

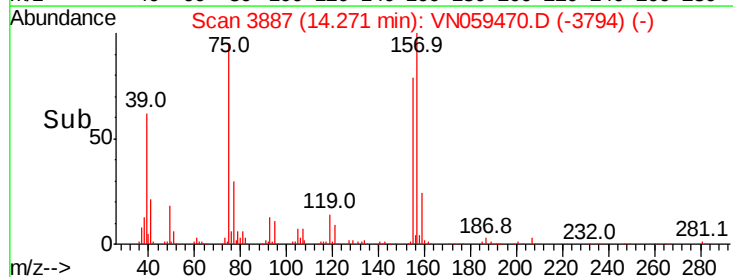
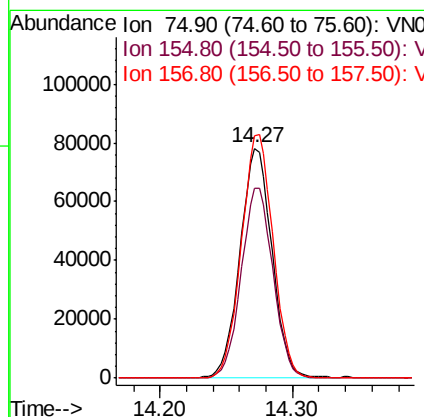
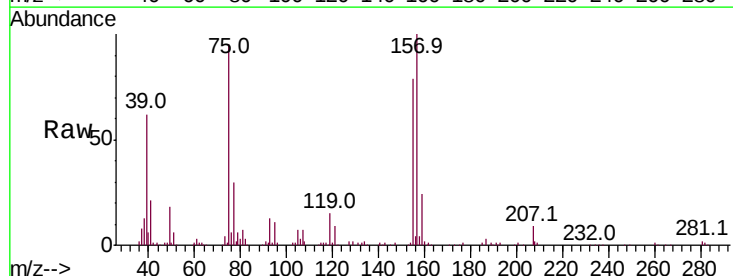
Instrument :
 MSVOA_N
 ClientSampleId :

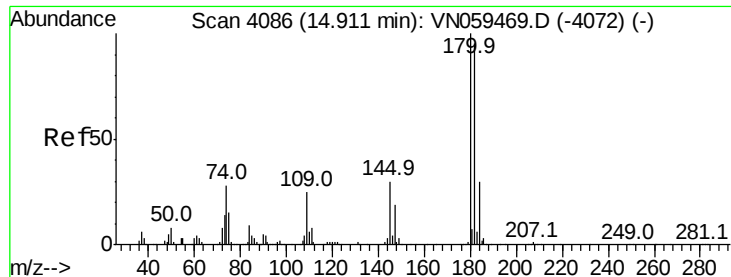
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	64.3	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.737 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	40.6	122.0
157	105.8	52.9	158.7

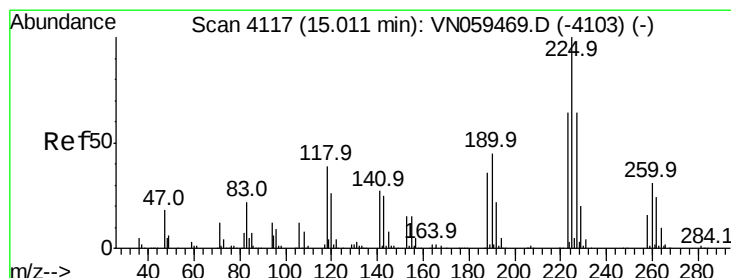
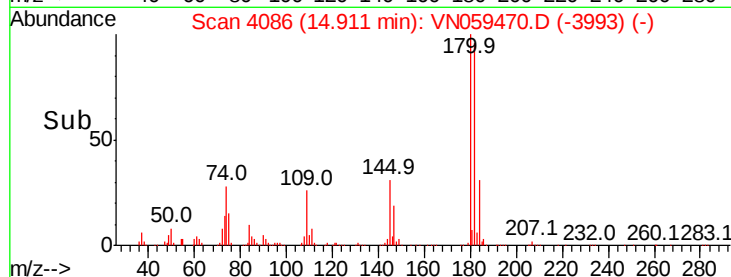
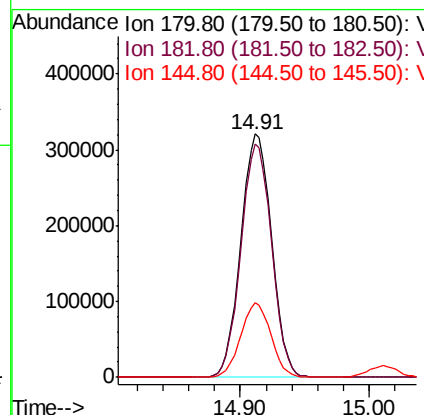
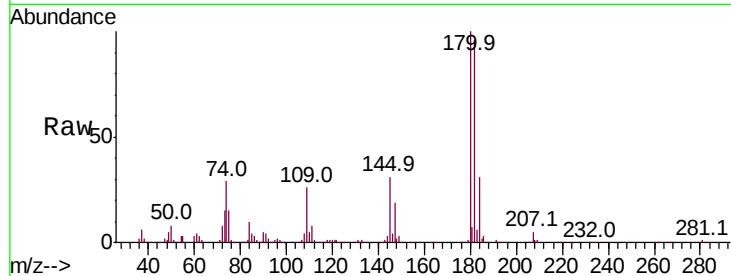




#93
 1,2,4-Trichlorobenzene
 Concen: 112.049 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

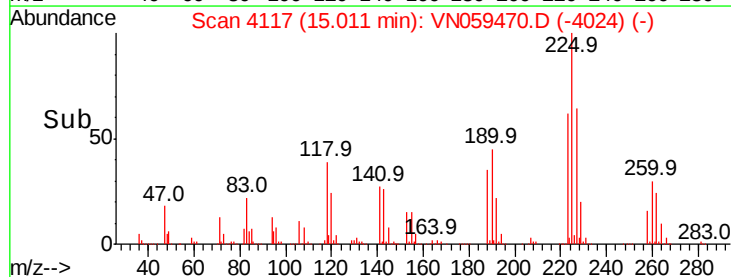
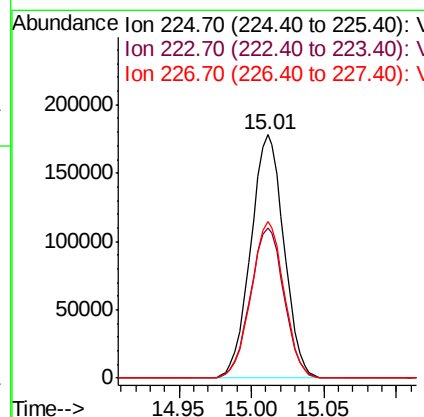
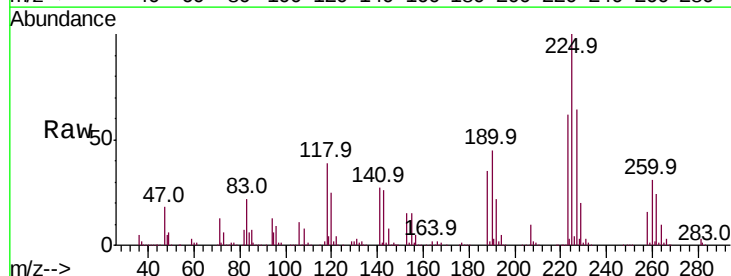
Instrument :
 MSVOA_N
 ClientSampled :

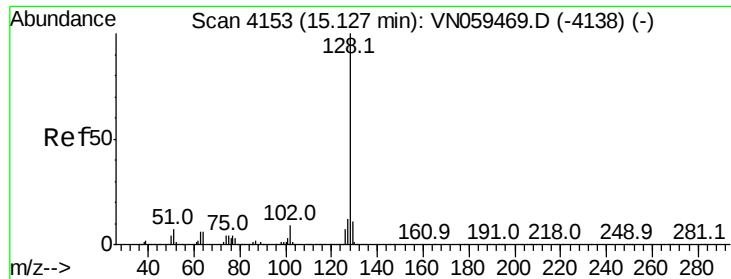
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	30.3	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 96.108 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059470.D
 Acq: 3 Dec 2019 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	63.8	32.0	96.2





#95

Naphthalene

Concen: 109.017 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

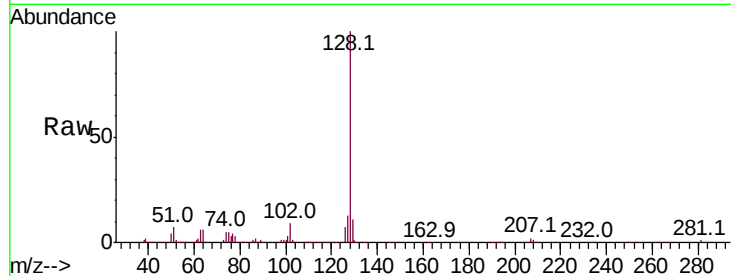
Tot Ion:128 Resp: 1479642

Ion Ratio Lower Upper

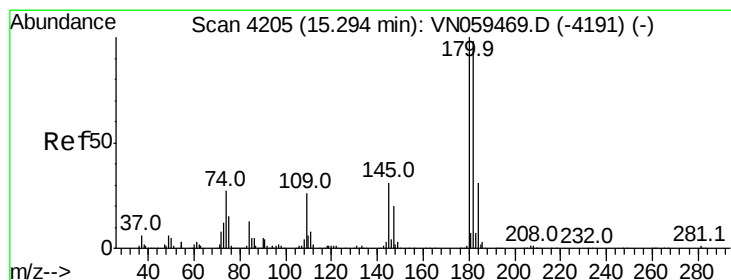
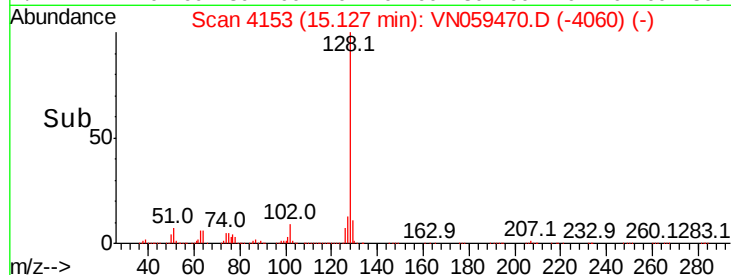
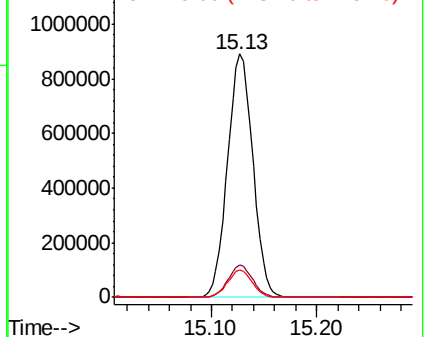
128 100

127 12.8 10.2 15.4

129 10.9 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: 104.224 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059470.D

Acq: 3 Dec 2019 14:47

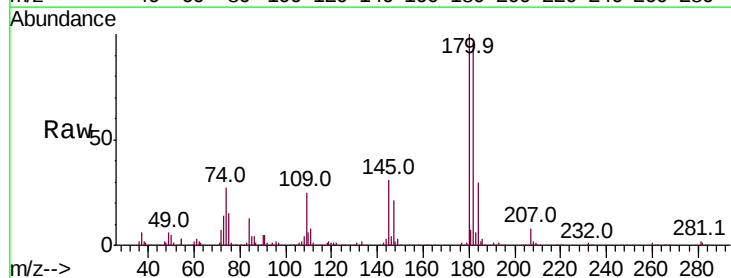
Tgt Ion:180 Resp: 528276

Ion Ratio Lower Upper

180 100

182 95.9 48.5 145.5

145 31.6 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

