

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059218.D
 Acq On : 14 Nov 2019 9:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:25:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	419647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	638362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	594894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	237040	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.57	113	190791	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.08	98	723107	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	273842	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	188146	44.499	ug/l	98
3) Chloromethane	2.04	50	254276	44.242	ug/l	99
4) Vinyl Chloride	2.17	62	252939	45.393	ug/l	99
5) Bromomethane	2.53	94	151920	47.377	ug/l	99
6) Chloroethane	2.68	64	151509	45.964	ug/l	98
7) Trichlorofluoromethane	2.99	101	316626	47.505	ug/l	99
8) Diethyl Ether	3.38	74	135195	49.921	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	197025	49.028	ug/l	99
10) Methyl Iodide	3.92	142	242638	48.779	ug/l	99
11) Tert butyl alcohol	4.75	59	256662	261.072	ug/l	99
12) 1,1-Dichloroethene	3.71	96	185385	47.357	ug/l	99
13) Acrolein	3.58	56	147680	291.357	ug/l	97
14) Allyl chloride	4.29	41	386624	48.080	ug/l	98
15) Acrylonitrile	4.95	53	654214	267.396	ug/l	100
16) Acetone	3.79	43	767029	285.934	ug/l	99
17) Carbon Disulfide	4.02	76	512374	42.164	ug/l	100
18) Methyl Acetate	4.29	43	341780	53.678	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	689489	51.158	ug/l	100
20) Methylene Chloride	4.52	84	227237	48.623	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	201660	47.992	ug/l	98
22) Diisopropyl ether	5.92	45	777008	51.157	ug/l	98
23) Vinyl Acetate	5.86	43	3225474	274.008	ug/l	99
24) 1,1-Dichloroethane	5.82	63	416950	49.150	ug/l	99
25) 2-Butanone	6.81	43	978253	276.699	ug/l	100
26) 2,2-Dichloropropane	6.80	77	363378	48.987	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	242561	49.756	ug/l	99
28) Bromochloromethane	7.17	49	120536	47.227	ug/l	97
29) Tetrahydrofuran	7.18	42	597494	265.977	ug/l	99
30) Chloroform	7.35	83	411550	50.573	ug/l	99
31) Cyclohexane	7.63	56	350075	43.591	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	344879	50.407	ug/l	100
36) 1,1-Dichloropropene	7.77	75	300740	50.402	ug/l	100
37) Ethyl Acetate	6.90	43	359915	54.221	ug/l	99
38) Carbon Tetrachloride	7.75	117	297545	50.101	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	343663	49.626	ug/l	99
40) Benzene	8.02	78	926179	51.545	ug/l	99
41) Methacrylonitrile	7.18	41	513949	178.056	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	321490	52.168	ug/l	100
43) Isopropyl Acetate	8.14	43	557513	52.682	ug/l	99
44) Trichloroethene	8.82	130	225344	51.019	ug/l	100
45) 1,2-Dichloropropane	9.10	63	255274	52.305	ug/l	98
46) Dibromomethane	9.19	93	159366	52.401	ug/l	99
47) Bromodichloromethane	9.39	83	325622	53.619	ug/l	98
48) Methyl methacrylate	9.18	41	254428	53.750	ug/l	98
49) 1,4-Dioxane	9.18	88	101396	1205.349	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1797379	300.171	ug/l	100
52) Toluene	10.14	92	561918	52.176	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	373140	53.183	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	401149	53.152	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	229532	52.662	ug/l	99
56) Ethyl methacrylate	10.42	69	363439	49.995	ug/l	99
57) 1,3-Dichloropropane	10.70	76	402779	53.693	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	687779	283.544	ug/l	100
59) 2-Hexanone	10.74	43	1400284	304.678	ug/l	99
60) Dibromochloromethane	10.90	129	253667	55.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237463	53.819	ug/l	100
64) Tetrachloroethene	10.62	164	200006	49.443	ug/l	99
65) Chlorobenzene	11.43	112	600933	51.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	231671	53.255	ug/l	100
67) Ethyl Benzene	11.51	91	1085796	52.772	ug/l	99
68) m/p-Xylenes	11.62	106	809576	105.040	ug/l	100
69) o-Xylene	11.94	106	387375	52.008	ug/l	98
70) Styrene	11.96	104	648957	55.399	ug/l	99
71) Bromoform	12.12	173	187018	55.269	ug/l #	99
73) Isopropylbenzene	12.25	105	1050580	49.962	ug/l	99
74) N-amyl acetate	12.07	43	471968	52.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	367175	51.276	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	483961	73.536	ug/l #	100
77) Bromobenzene	12.53	156	261957	49.585	ug/l	98
78) n-propylbenzene	12.59	91	1248590	51.860	ug/l	100
79) 2-Chlorotoluene	12.67	91	734508	49.178	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	896333	50.306	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128611	51.616	ug/l	99
82) 4-Chlorotoluene	12.77	91	766976	51.199	ug/l	99
83) tert-Butylbenzene	12.99	119	767355	49.871	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	894396	51.884	ug/l	99
85) sec-Butylbenzene	13.17	105	1038160	51.878	ug/l	99
86) p-Isopropyltoluene	13.29	119	942559	53.344	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	468041	51.737	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	466418	51.530	ug/l	99
89) n-Butylbenzene	13.62	91	815510	52.733	ug/l	100
90) Hexachloroethane	13.88	117	173523	48.906	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	458187	51.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73886	51.716	ug/l	99

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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	263753	48.920	ug/l	100
94) Hexachlorobutadiene	15.01	225	153851	50.139	ug/l	99
95) Naphthalene	15.13	128	732292	48.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	266886	53.513	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

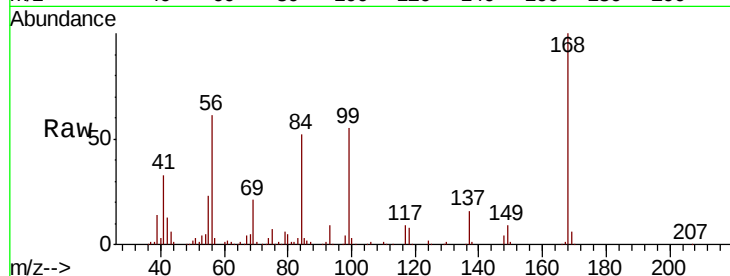
ClientSampled :

Tot Ion:168 Resp: 419647

Ion Ratio Lower Upper

168 100

99 54.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

100000

50000

0

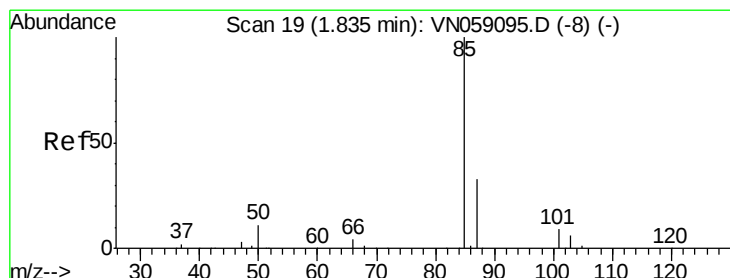
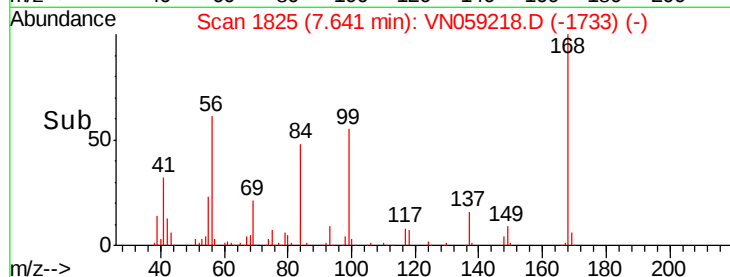
Time-->

7.50

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 44.499 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059218.D

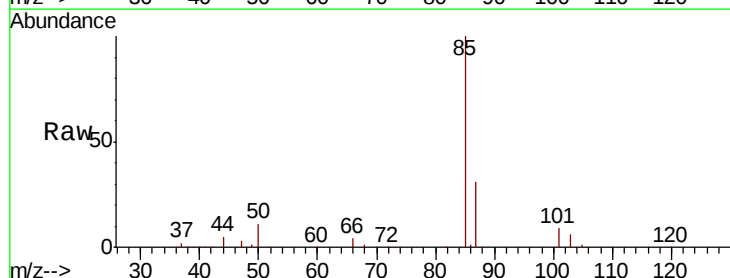
Acq: 14 Nov 2019 9:20

Tgt Ion: 85 Resp: 188146

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

50000

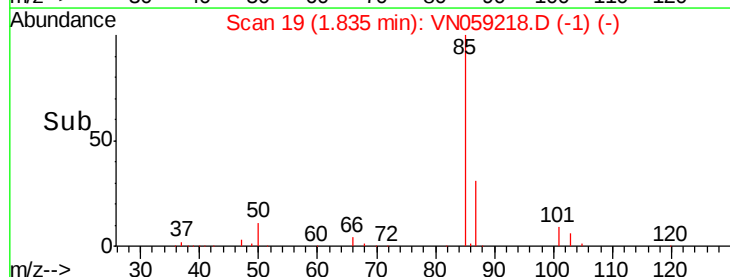
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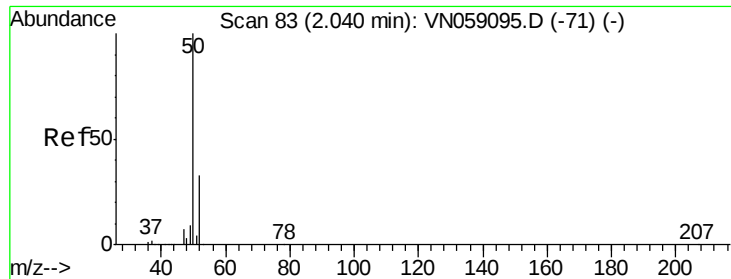
Time-->

1.80

1.90

2.00

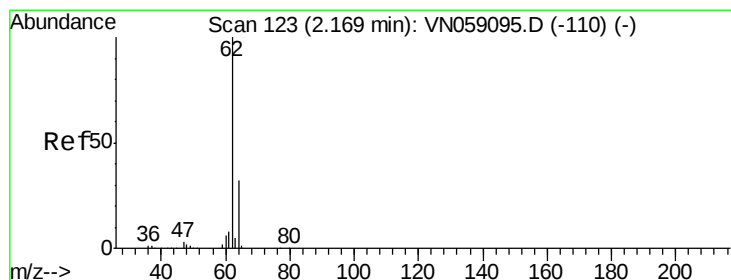
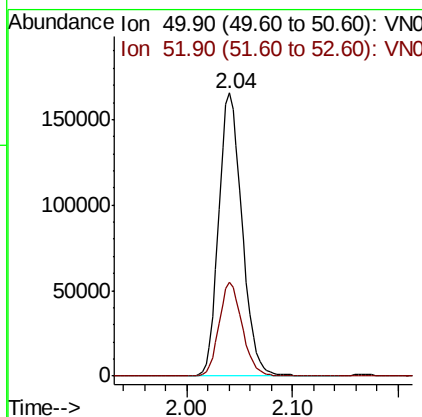
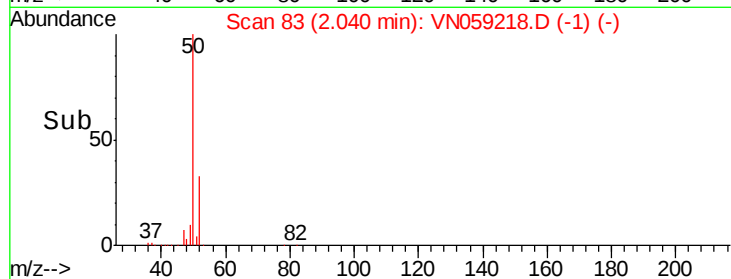
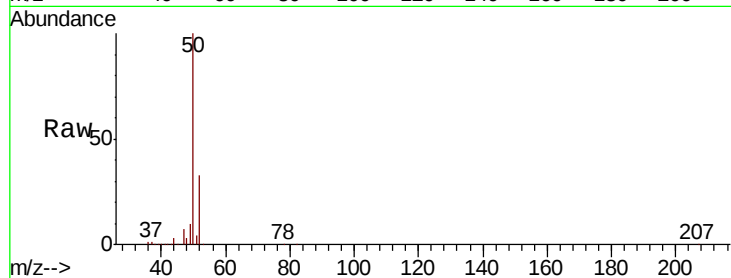




#3
Chloromethane
Concen: 44.242 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

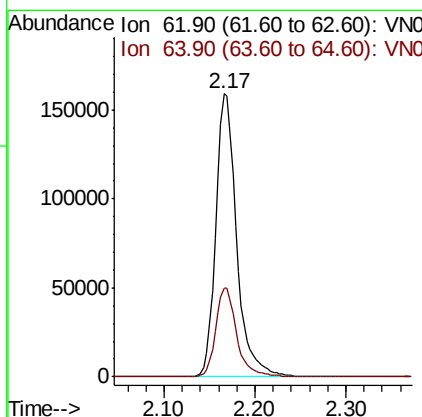
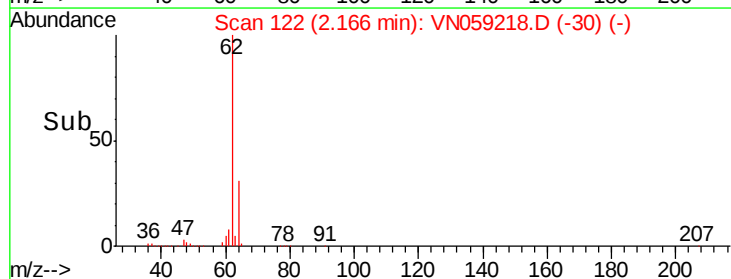
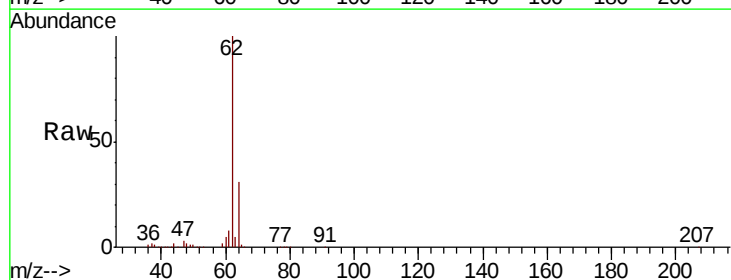
Instrument :
MSVOA_N
ClientSampleId :

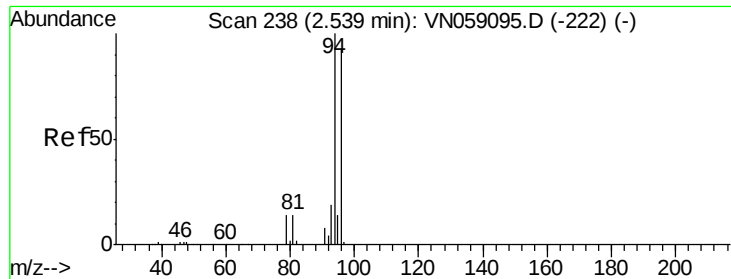
Tot Ion: 50 Resp: 254276
Ion Ratio Lower Upper
50 100
52 33.0 26.0 39.0



#4
Vinyl Chloride
Concen: 45.393 ug/l
RT: 2.17 min Scan# 122
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 62 Resp: 252939
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.2





#5

Bromomethane

Concen: 47.377 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

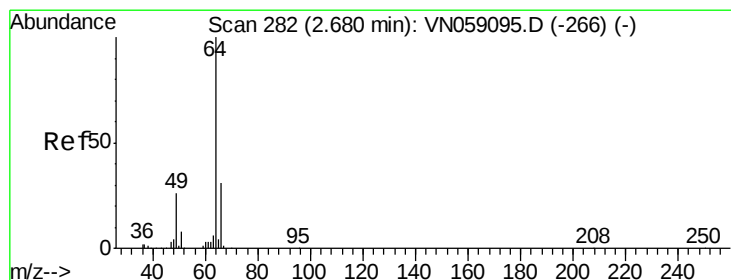
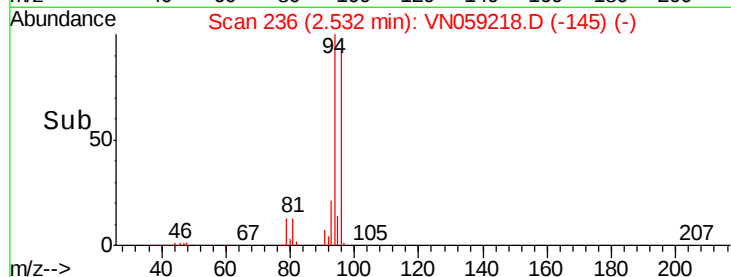
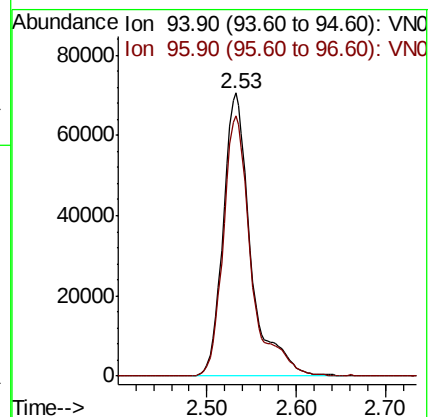
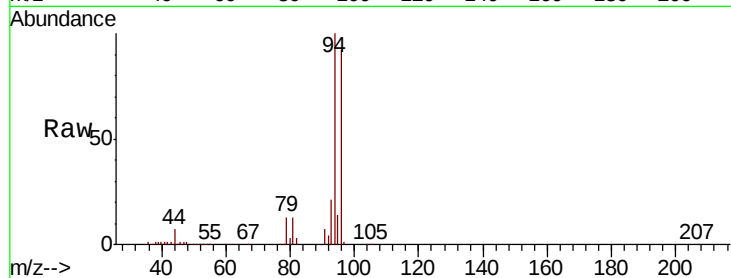
ClientSampleId :

Tot Ion: 94 Resp: 151920

Ion Ratio Lower Upper

94 100

96 91.6 74.2 111.2



#6

Chloroethane

Concen: 45.964 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059218.D

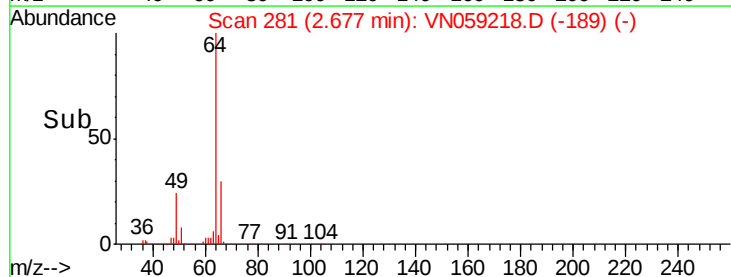
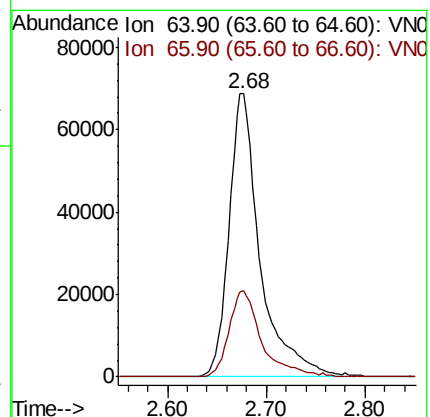
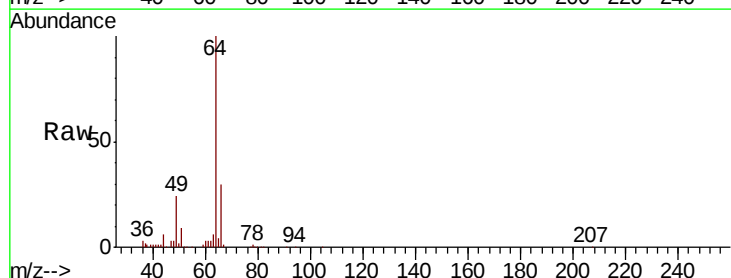
Acq: 14 Nov 2019 9:20

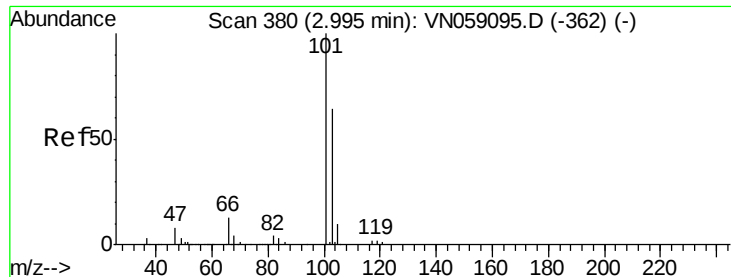
Tgt Ion: 64 Resp: 151509

Ion Ratio Lower Upper

64 100

66 30.5 25.2 37.8



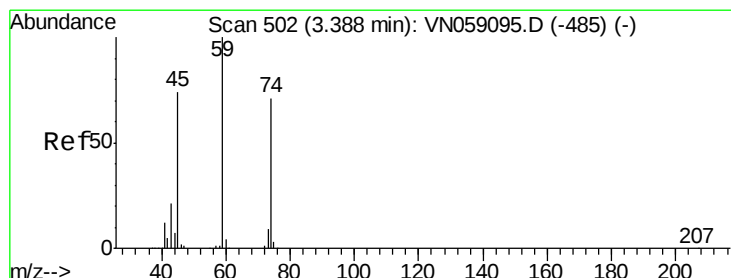
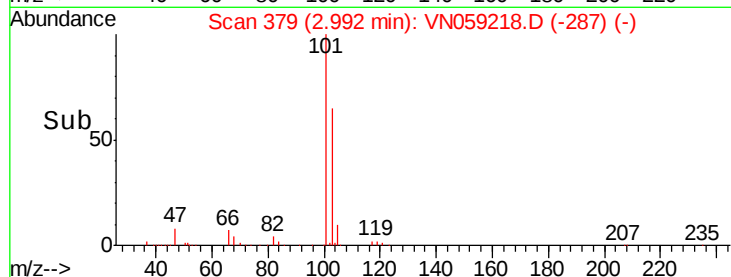
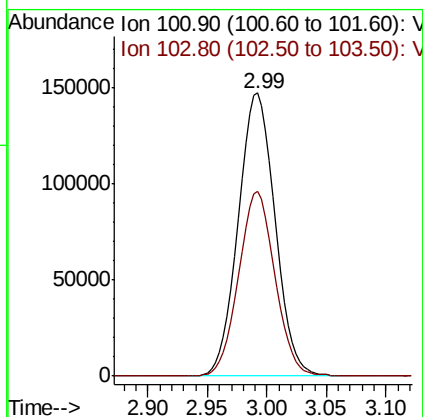
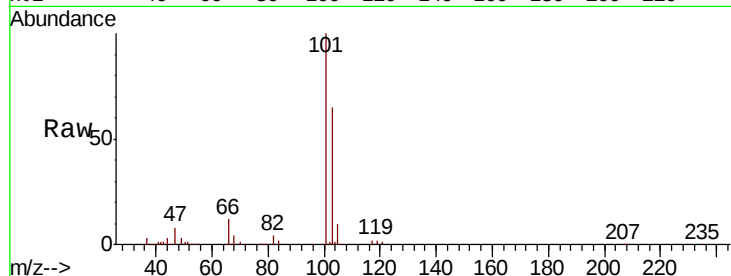


#7

Trichlorofluoromethane
 Concen: 47.505 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

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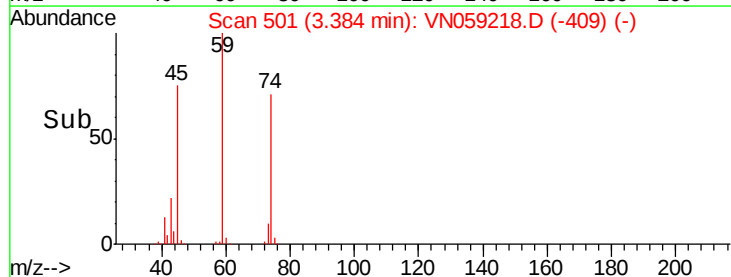
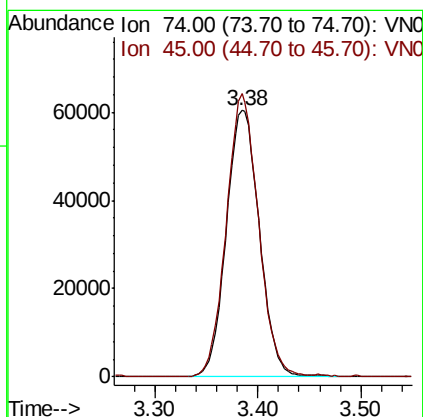
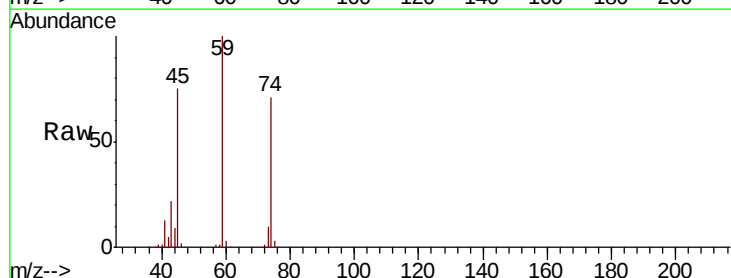
Tot Ion:101 Resp: 316626
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8



#8

Diethyl Ether
 Concen: 49.921 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion: 74 Resp: 135195
 Ion Ratio Lower Upper
 74 100
 45 102.6 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.028 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

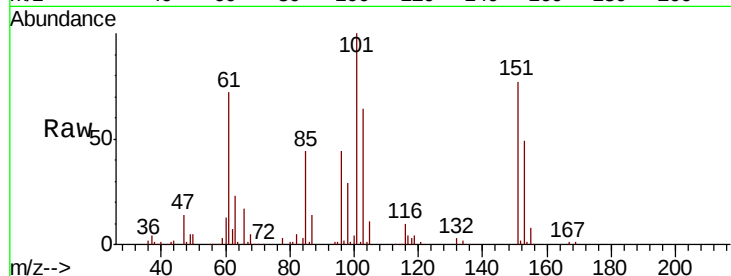
Tot Ion:101 Resp: 197025

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

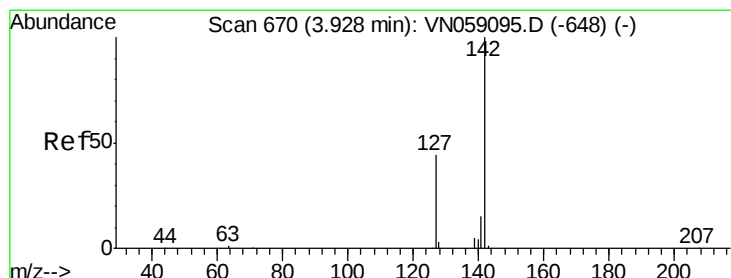
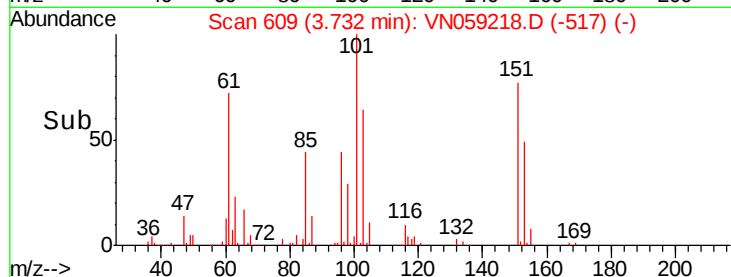
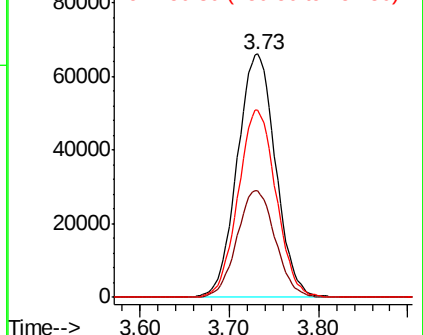
151 76.4 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.779 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

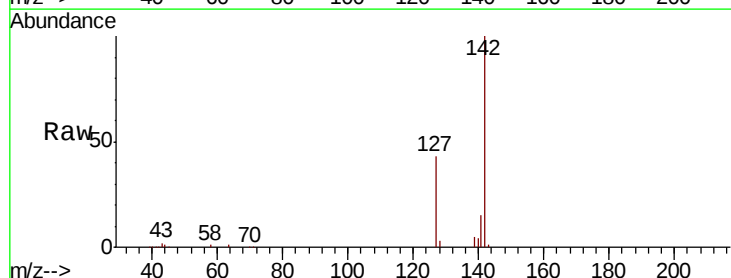
Tgt Ion:142 Resp: 242638

Ion Ratio Lower Upper

142 100

127 43.3 34.2 51.2

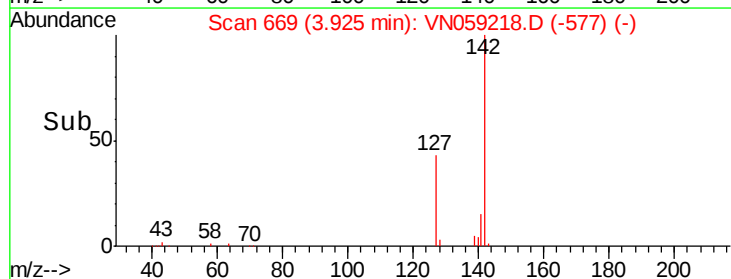
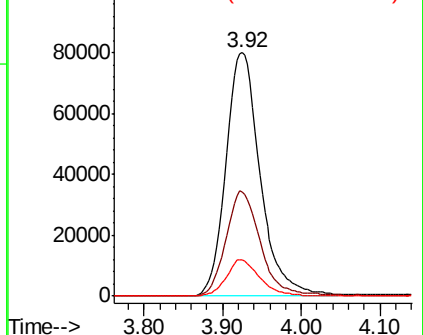
141 14.6 11.4 17.0

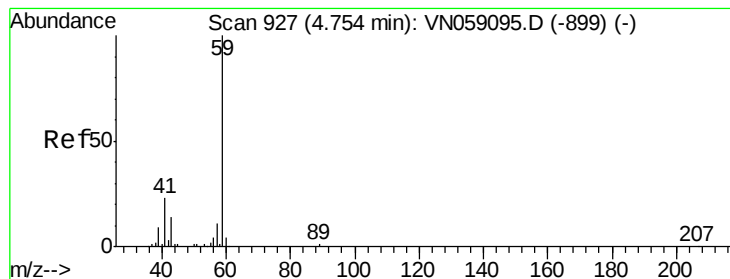


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 261.072 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

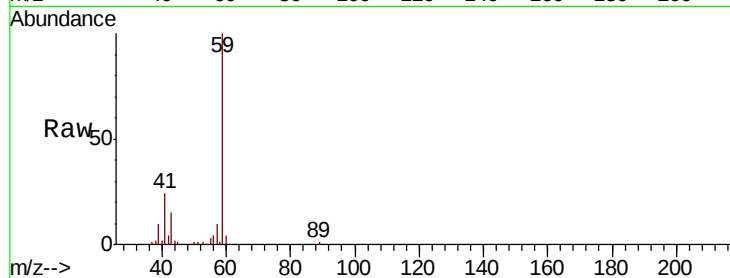
ClientSampled :

Tot Ion: 59 Resp: 256662

Ion Ratio Lower Upper

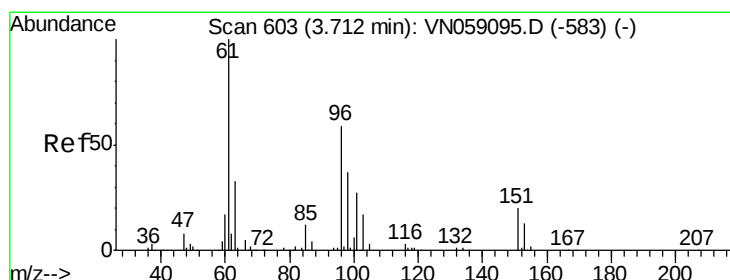
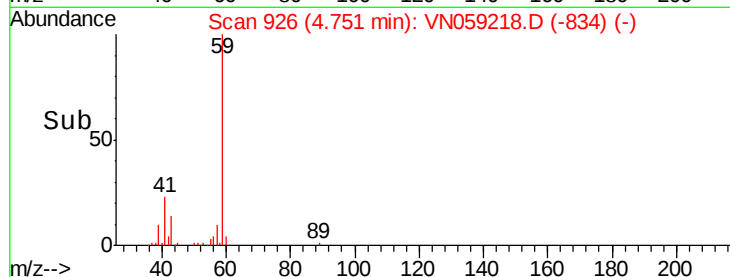
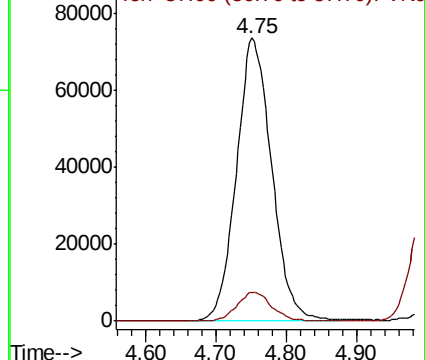
59 100

57 10.0 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 47.357 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

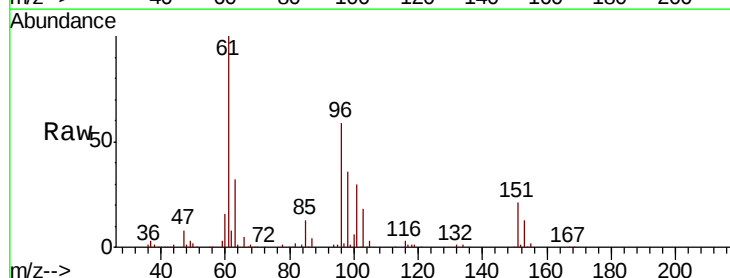
Tgt Ion: 96 Resp: 185385

Ion Ratio Lower Upper

96 100

61 170.3 136.5 204.7

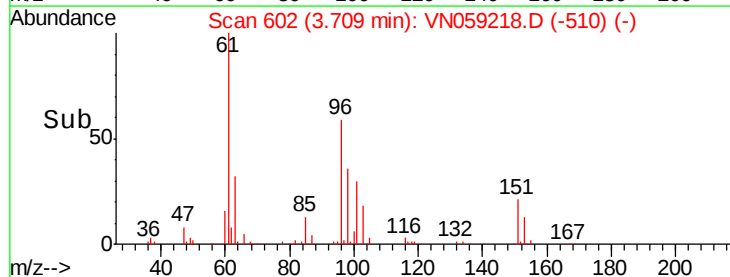
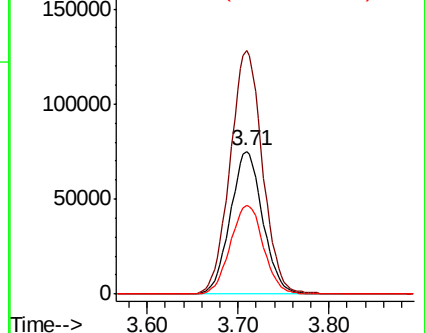
98 61.8 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

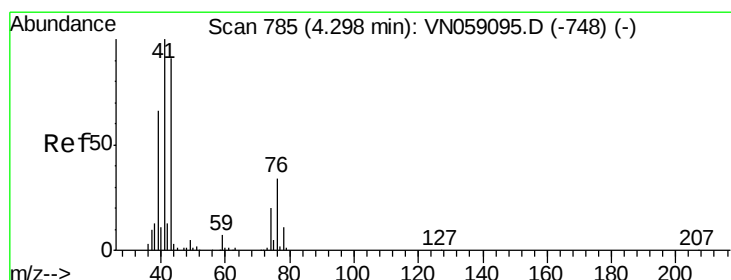
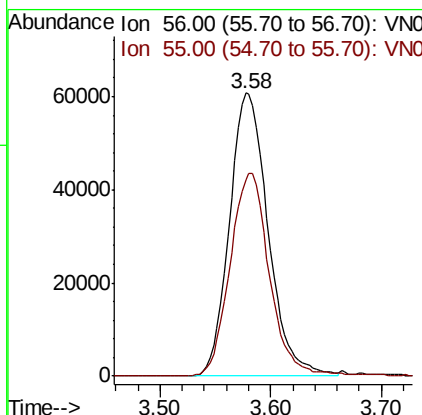
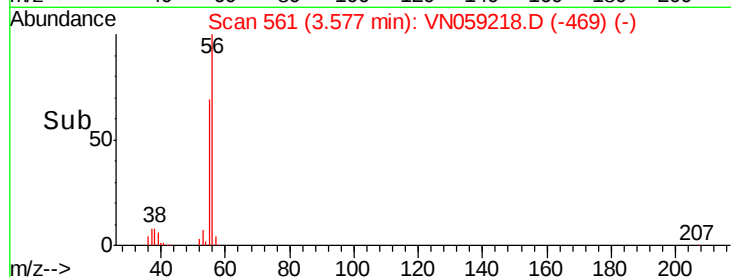
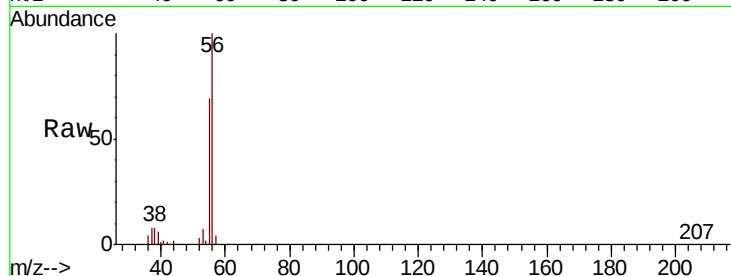




#13
Acrolein
Concen: 291.357 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

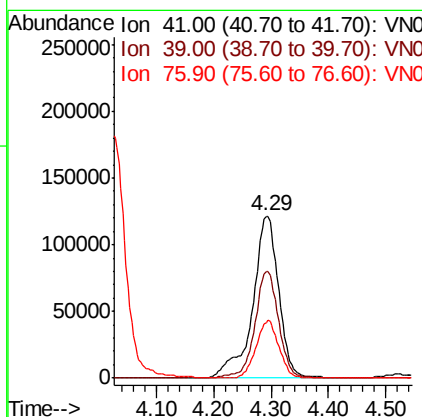
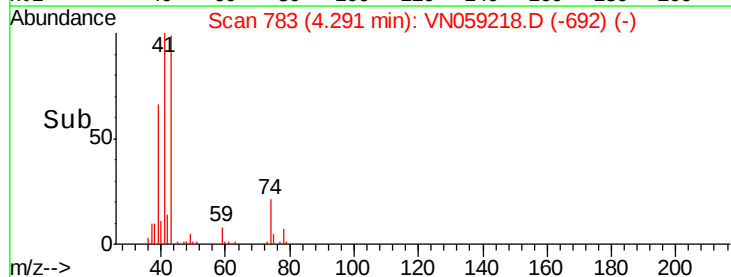
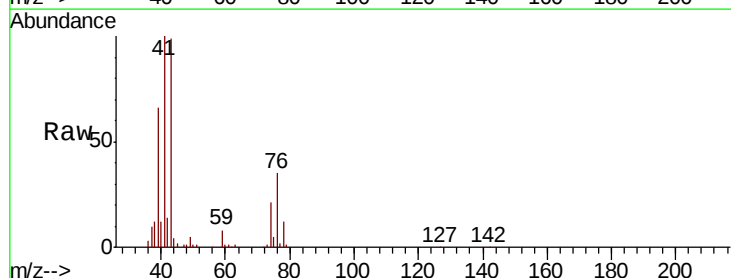
Instrument :
MSVOA_N
ClientSampleId :

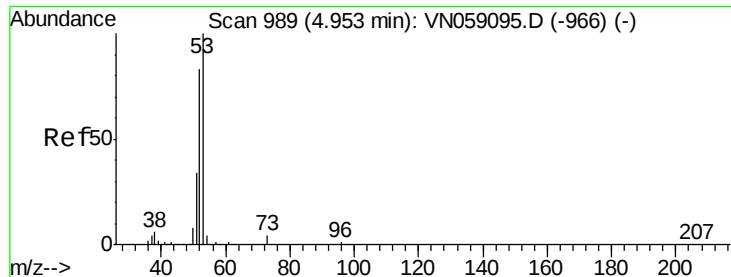
Tot Ion: 56 Resp: 147680
Ion Ratio Lower Upper
56 100
55 72.9 56.4 84.6



#14
Allyl chloride
Concen: 48.080 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 41 Resp: 386624
Ion Ratio Lower Upper
41 100
39 59.9 49.1 73.7
76 30.7 24.9 37.3





#15

Acrylonitrile

Concen: 267.396 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampled :

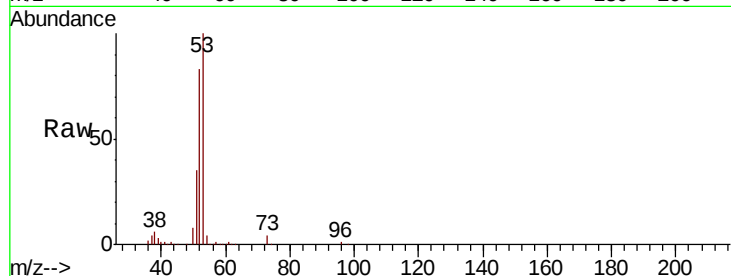
Tot Ion: 53 Resp: 654214

Ion Ratio Lower Upper

53 100

52 81.6 65.0 97.6

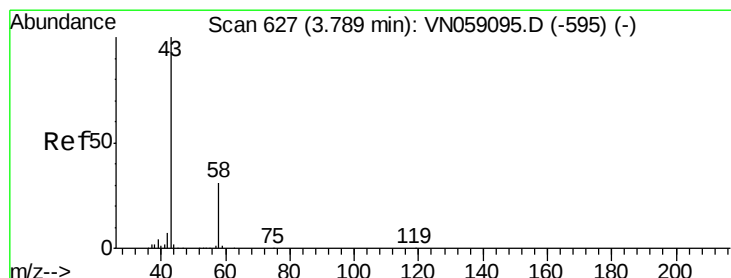
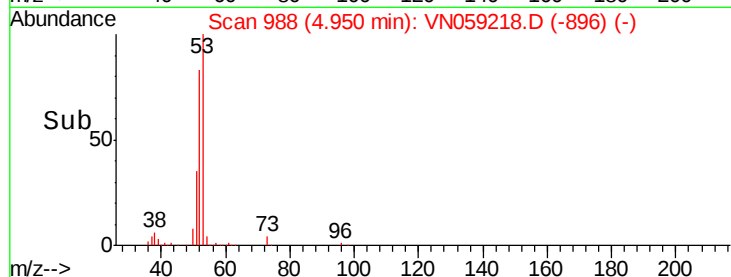
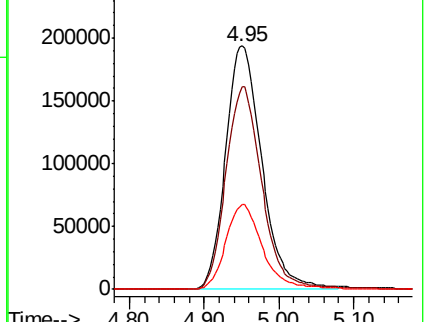
51 35.1 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059218.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VN059218.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VN059218.D (-534) (-)



#16

Acetone

Concen: 285.934 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059218.D

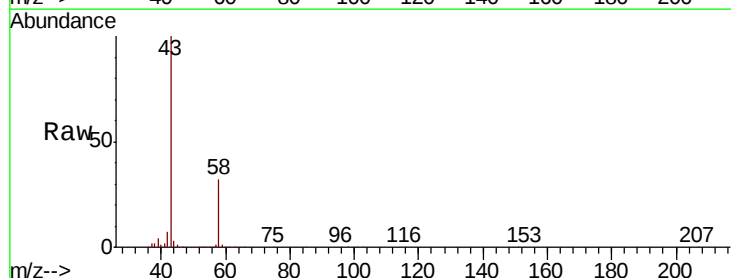
Acq: 14 Nov 2019 9:20

Tgt Ion: 43 Resp: 767029

Ion Ratio Lower Upper

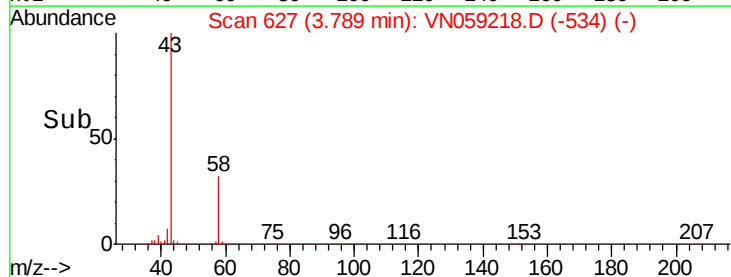
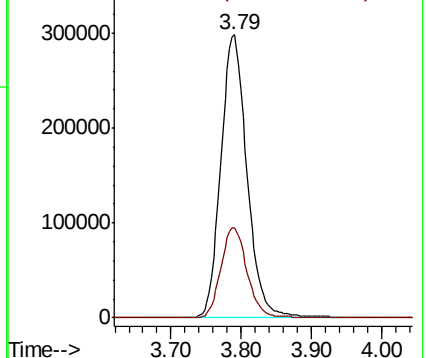
43 100

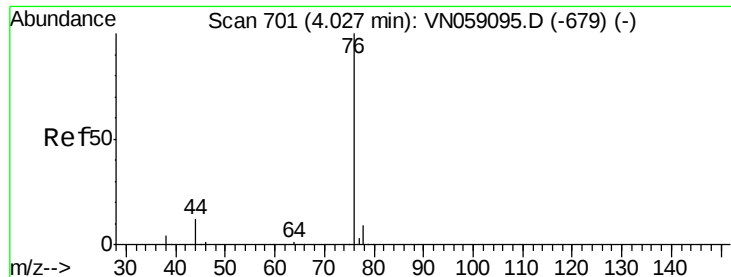
58 31.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059218.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059218.D (-534) (-)

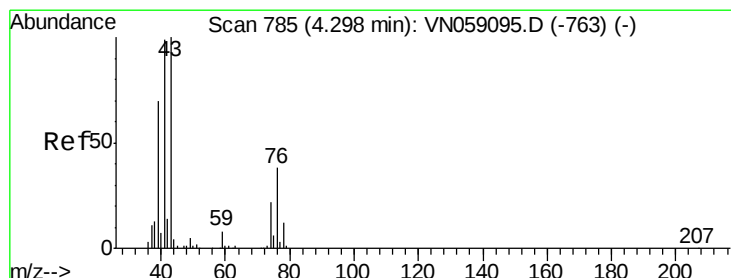
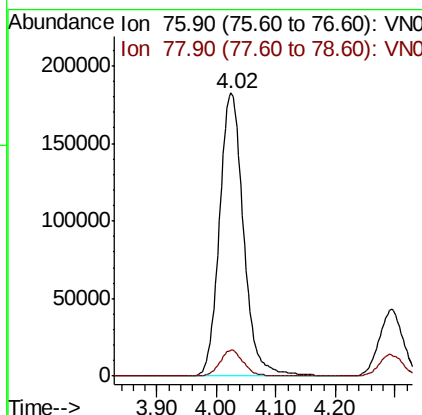
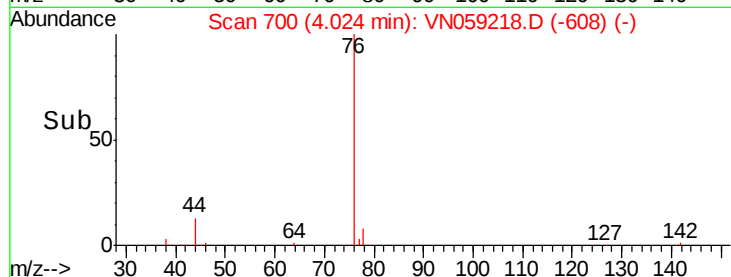
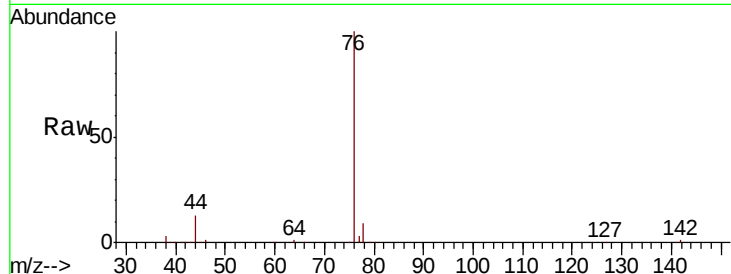




#17
Carbon Disulfide
Concen: 42.164 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

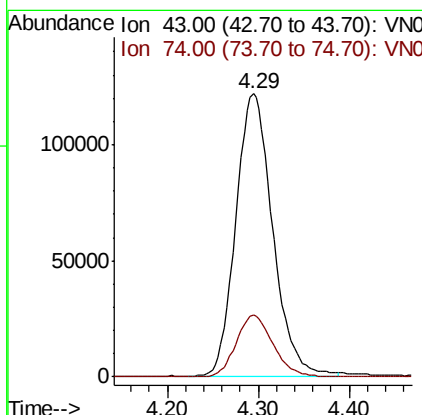
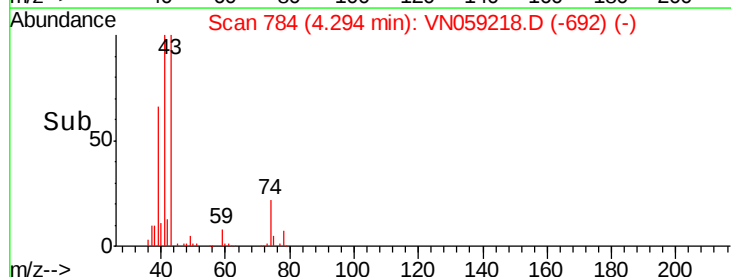
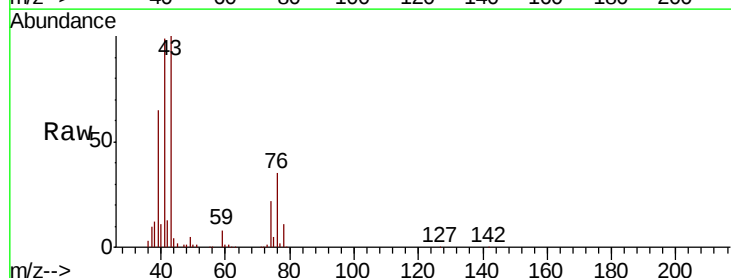
Instrument :
MSVOA_N
ClientSampleId :

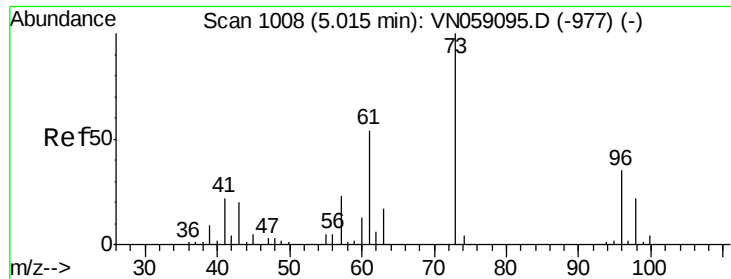
Tot Ion: 76 Resp: 512374
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 53.678 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 43 Resp: 341780
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8

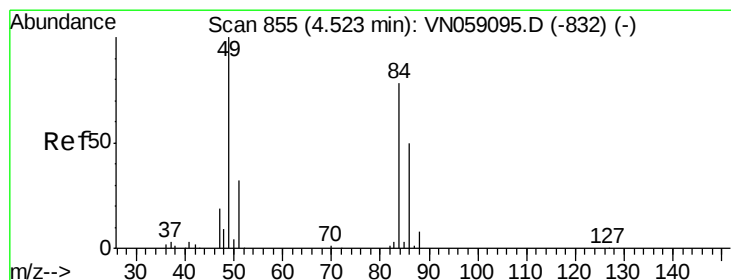
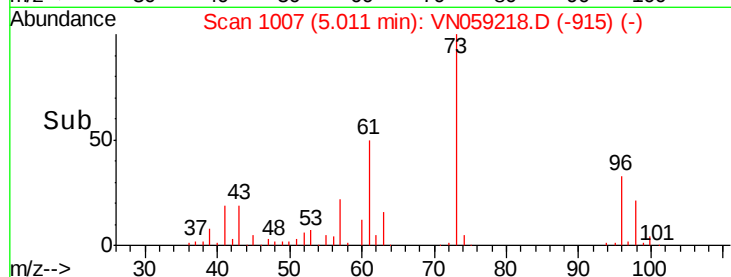
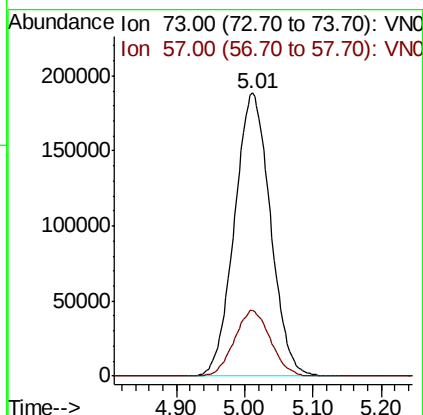
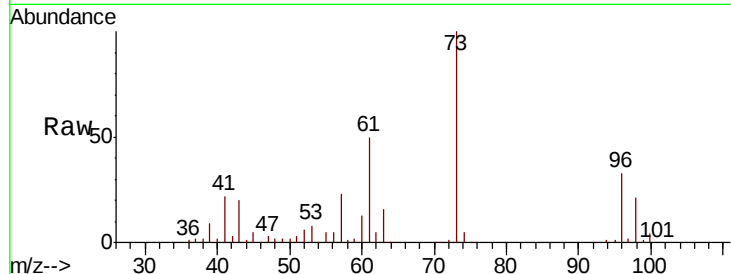




#19
Methyl tert-butyl Ether
Concen: 51.158 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

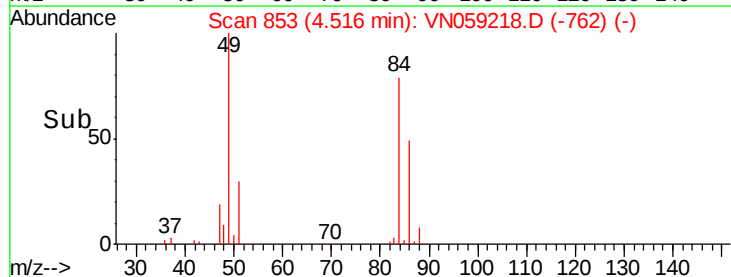
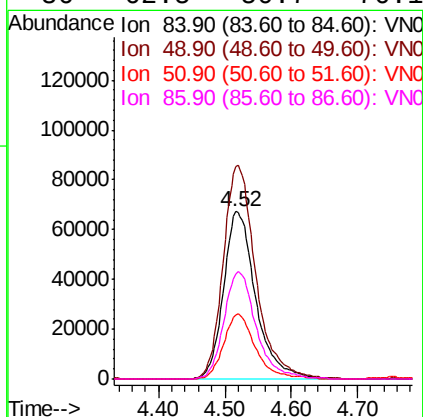
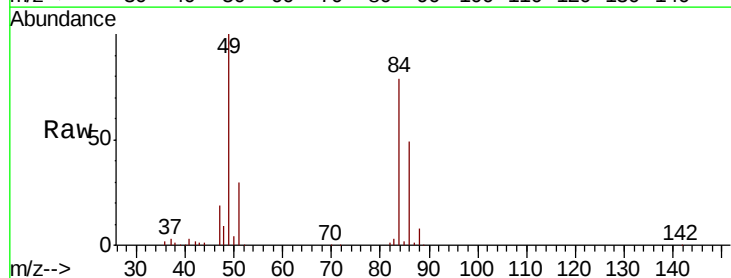
Instrument :
MSVOA_N
ClientSampled :

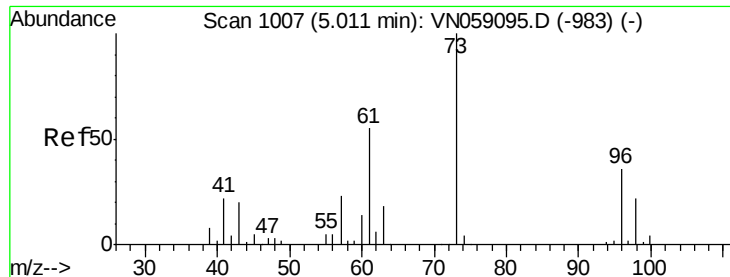
Tot Ion: 73 Resp: 689489
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6



#20
Methylene Chloride
Concen: 48.623 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 84 Resp: 227237
Ion Ratio Lower Upper
84 100
49 127.0 102.0 153.0
51 38.4 32.2 48.2
86 62.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.992 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampled :

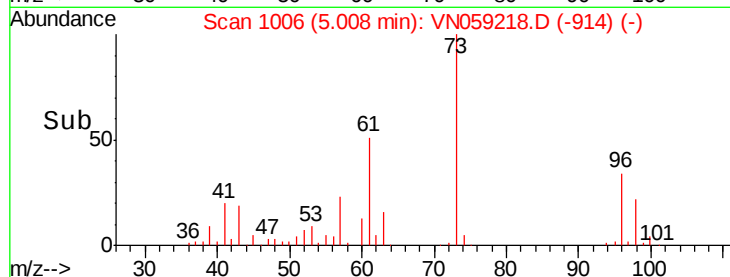
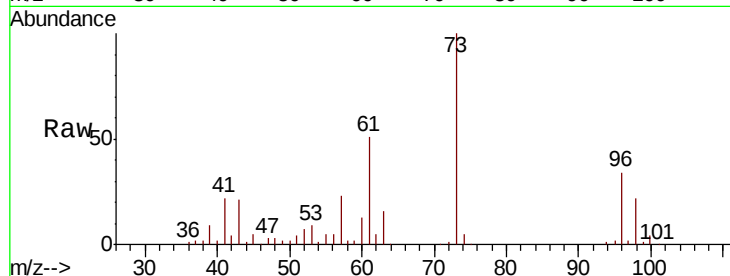
Tot Ion: 96 Resp: 201660

Ion Ratio Lower Upper

96 100

61 149.7 122.6 183.8

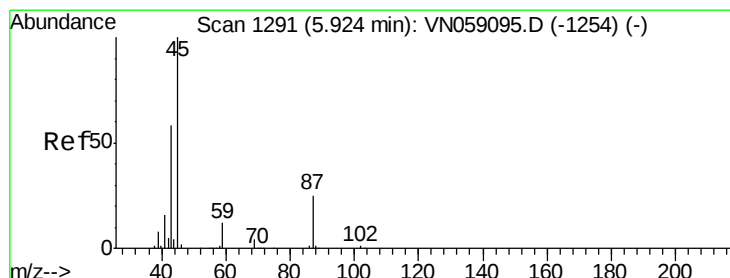
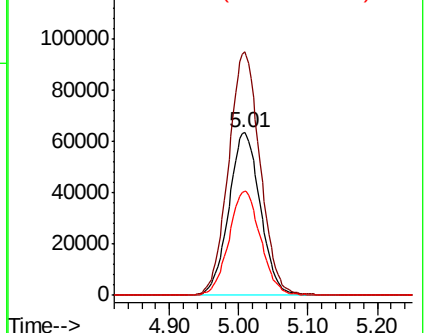
98 64.2 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.157 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion: 45 Resp: 777008

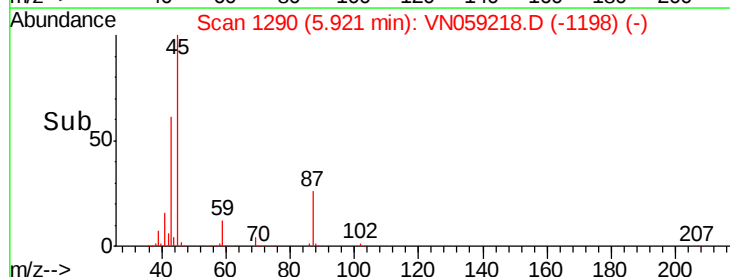
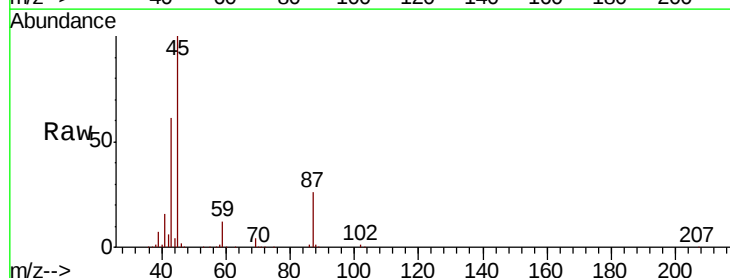
Ion Ratio Lower Upper

45 100

43 59.8 46.7 70.1

87 26.1 20.5 30.7

59 11.6 9.6 14.4

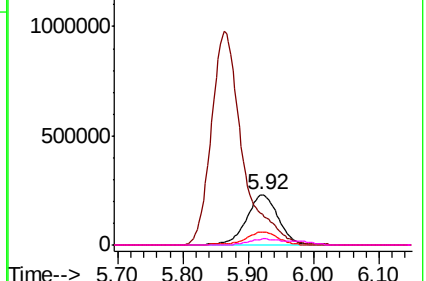


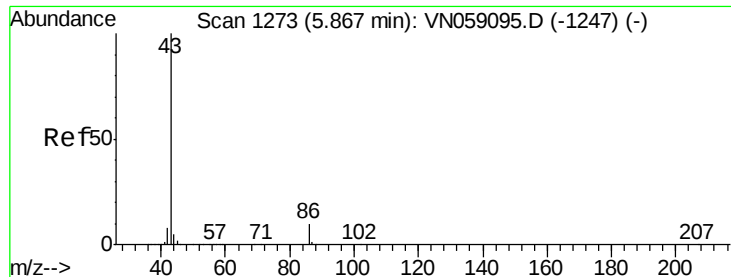
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 274.008 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

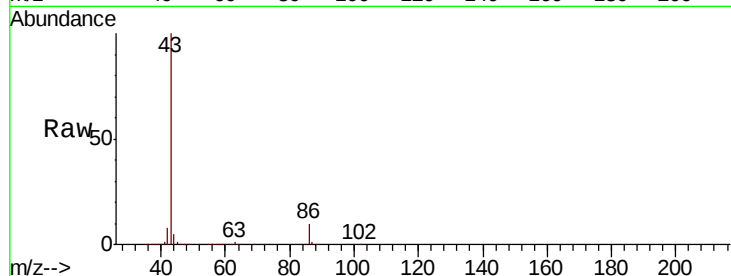
ClientSampled :

Tot Ion: 43 Resp: 3225474

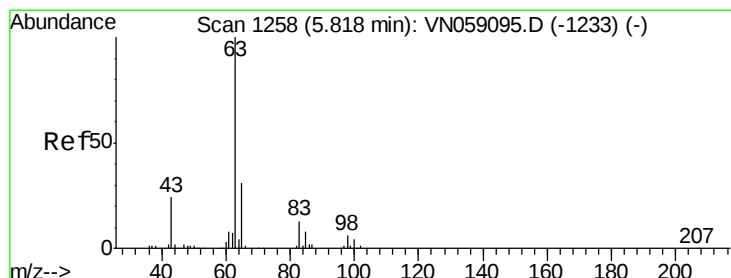
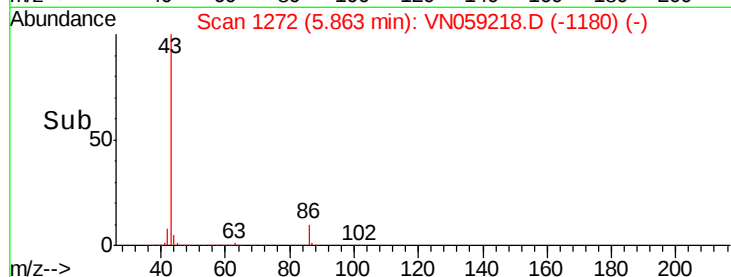
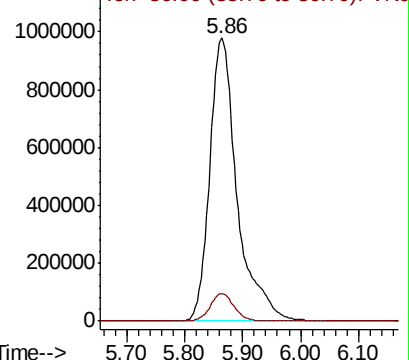
Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059218.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 49.150 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

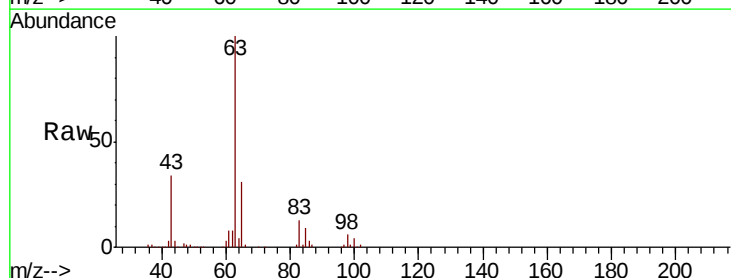
Tgt Ion: 63 Resp: 416950

Ion Ratio Lower Upper

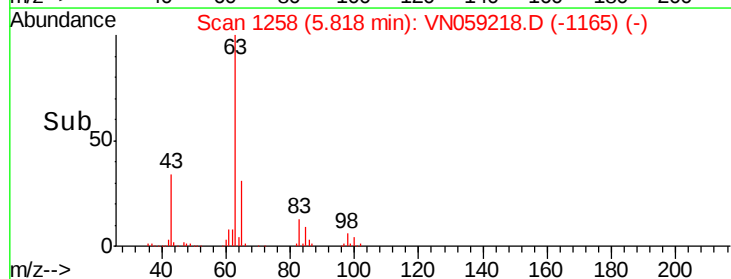
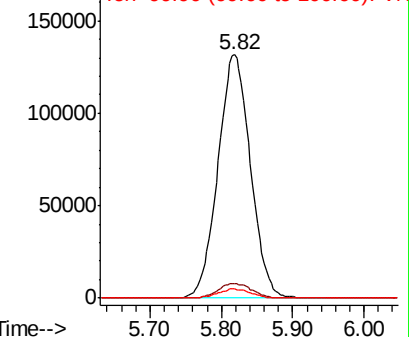
63 100

98 6.0 2.8 8.4

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059218.D (-1165) (-)

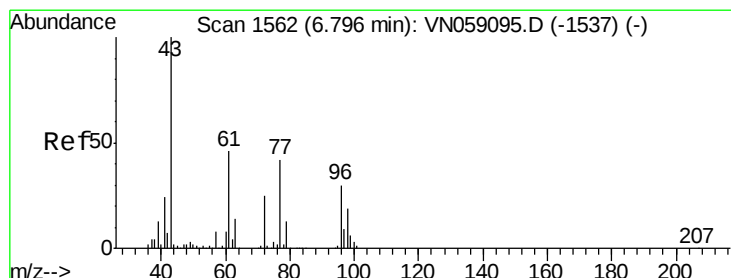
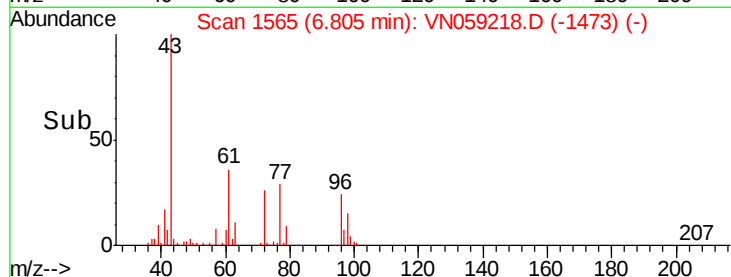
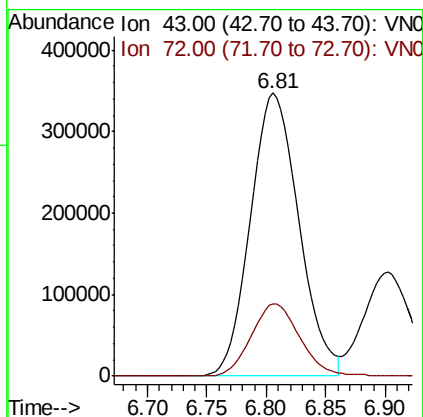
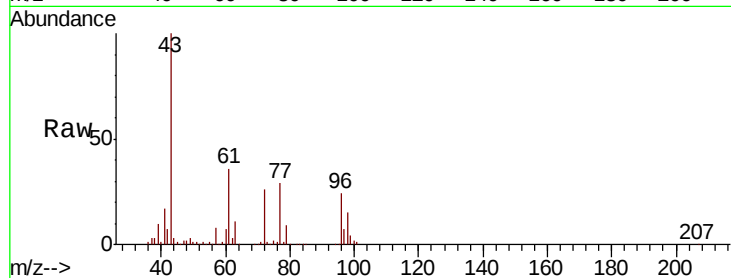




#25
2-Butanone
Concen: 276.699 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

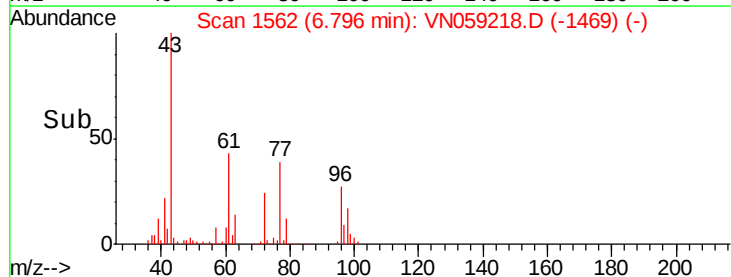
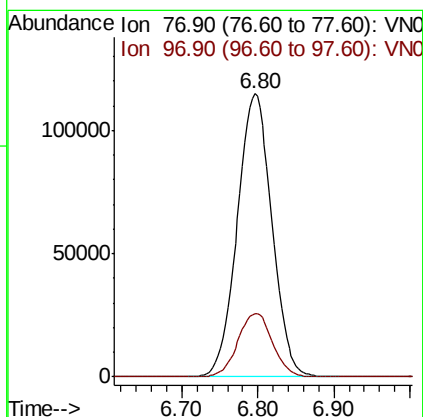
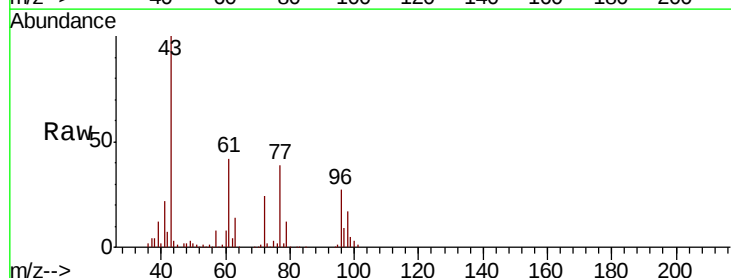
Instrument :
MSVOA_N
ClientSampled :

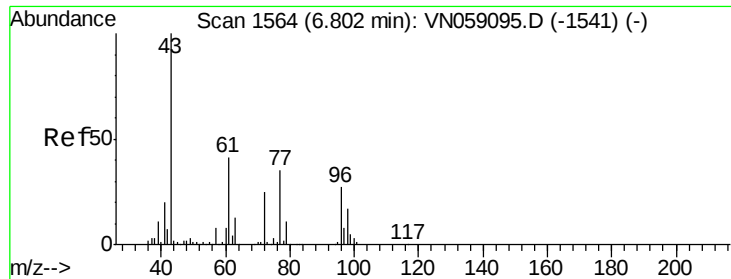
Tot Ion: 43 Resp: 978253
Ion Ratio Lower Upper
43 100
72 25.6 20.3 30.5



#26
2,2-Dichloropropane
Concen: 48.987 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 77 Resp: 363378
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.756 ug/l

RT: 6.80 min Scan# 1564

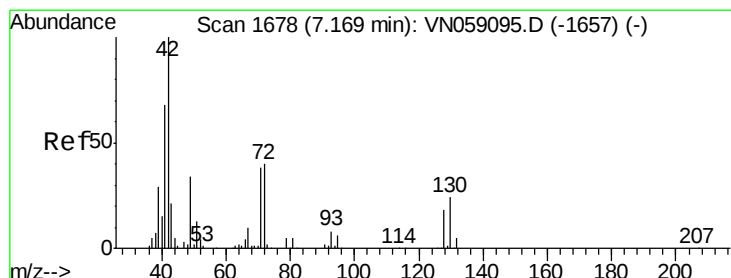
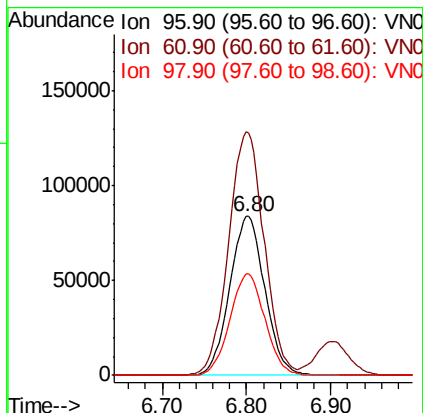
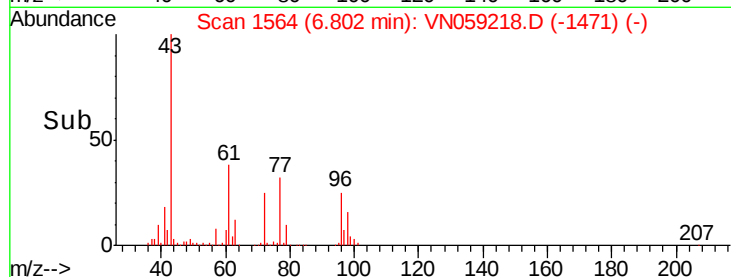
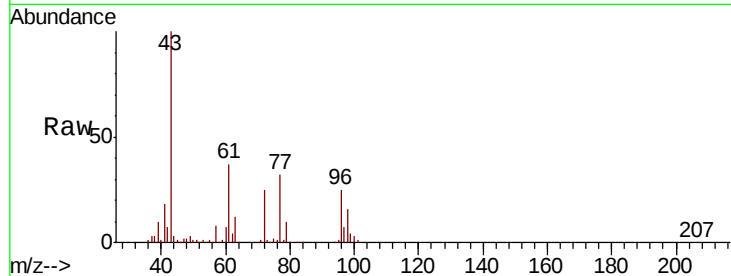
Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	96	Resp:	242561
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	311.6
98	63.8	0.0	129.8



#28

Bromochloromethane

Concen: 47.227 ug/l

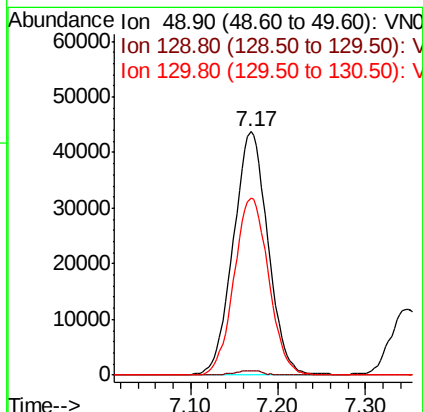
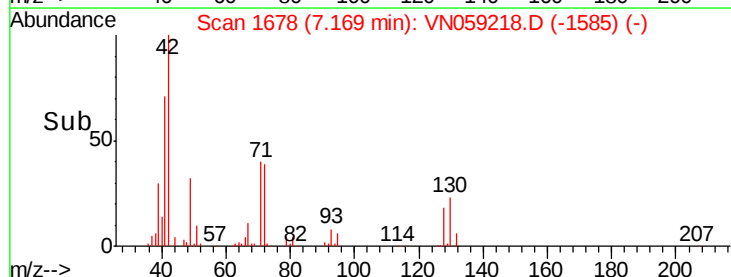
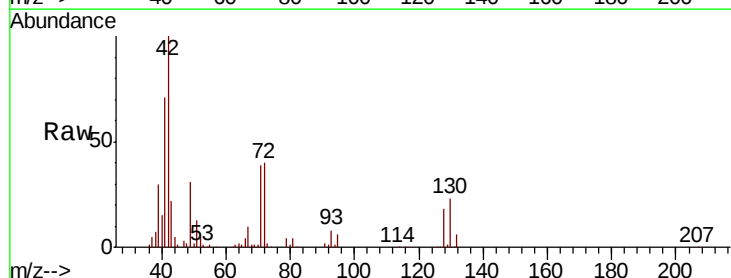
RT: 7.17 min Scan# 1678

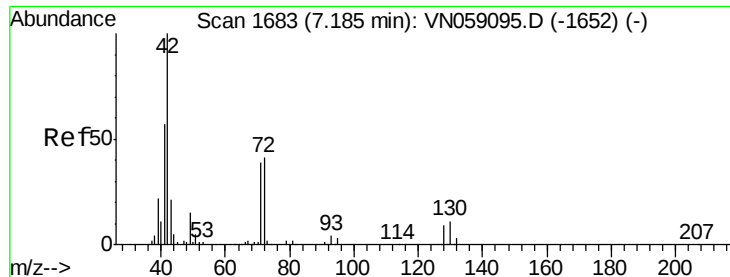
Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion:	49	Resp:	120536
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	72.4	55.6	83.4





#29

Tetrahydrofuran

Concen: 265.977 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampled :

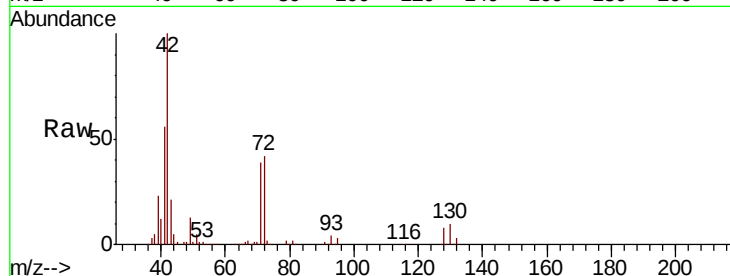
Tot Ion: 42 Resp: 597494

Ion Ratio Lower Upper

42 100

72 41.4 33.1 49.7

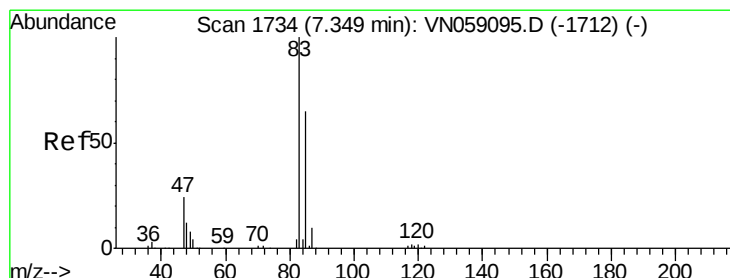
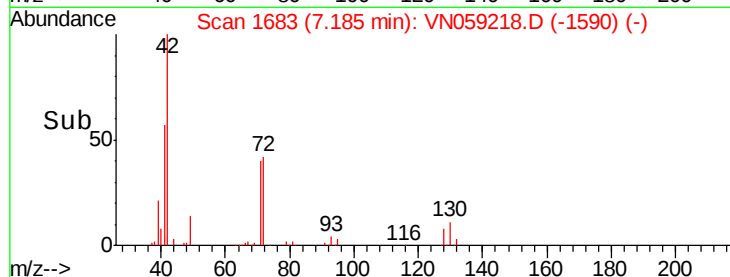
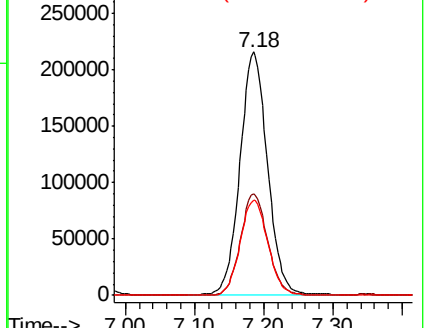
71 39.5 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN059095.D (-1652) (-)

Ion 72.00 (71.70 to 72.70): VN059095.D (-1652) (-)

Ion 71.00 (70.70 to 71.70): VN059095.D (-1652) (-)



#30

Chloroform

Concen: 50.573 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059218.D

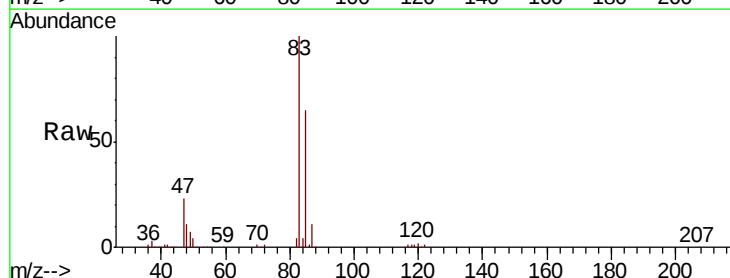
Acq: 14 Nov 2019 9:20

Tgt Ion: 83 Resp: 411550

Ion Ratio Lower Upper

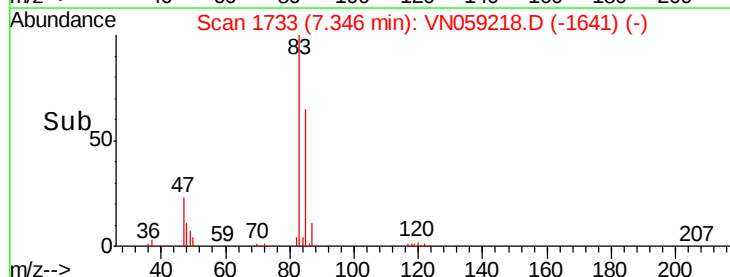
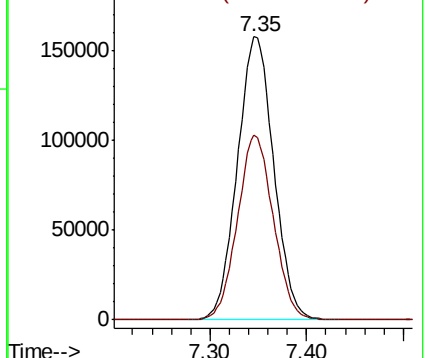
83 100

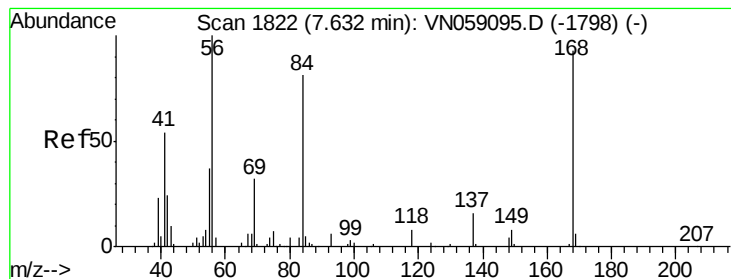
85 65.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-1712) (-)





#31

Cyclohexane

Concen: 43.591 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampled :

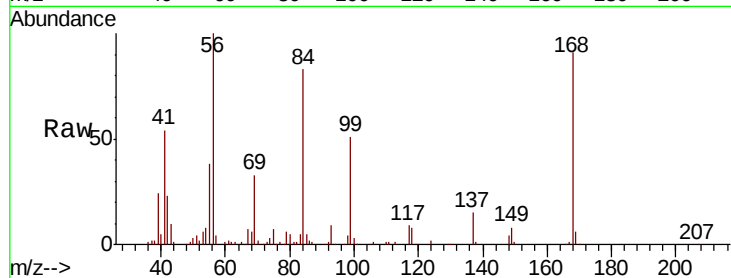
Tot Ion: 56 Resp: 350075

Ion Ratio Lower Upper

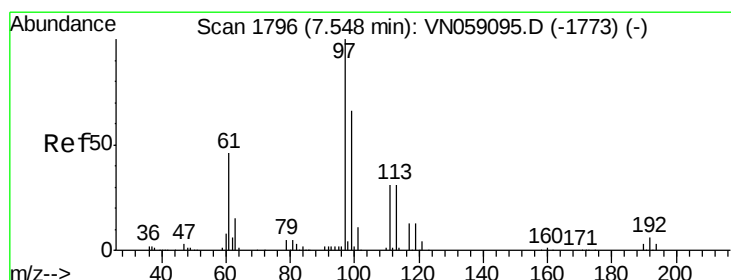
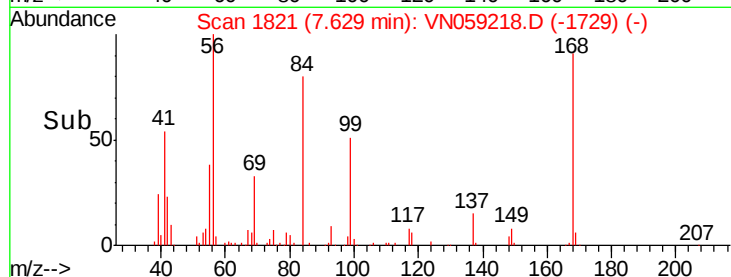
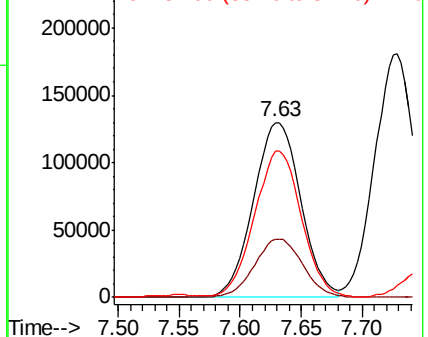
56 100

69 33.1 25.8 38.8

84 82.0 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 50.407 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

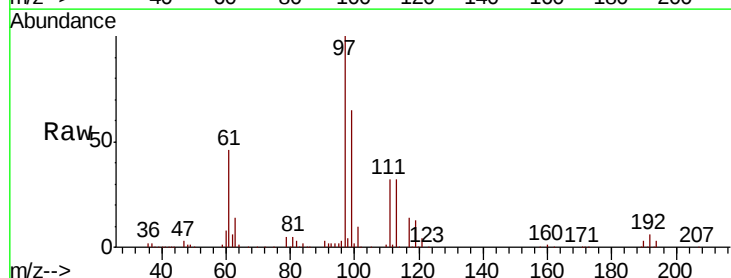
Tgt Ion: 97 Resp: 344879

Ion Ratio Lower Upper

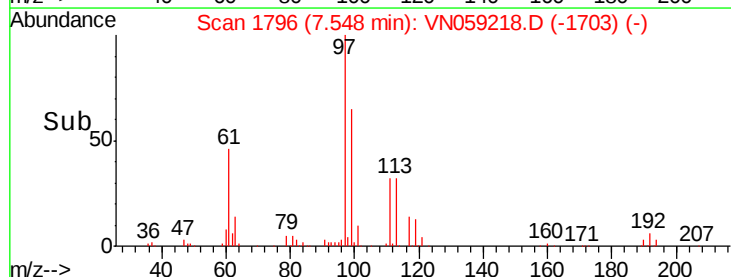
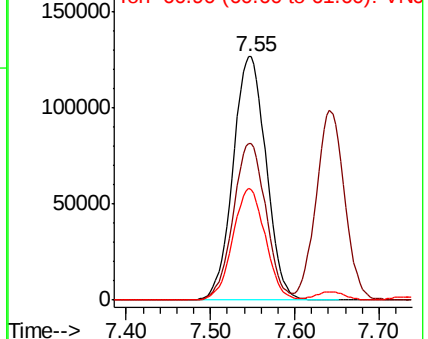
97 100

99 63.9 51.0 76.6

61 45.3 35.8 53.8



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

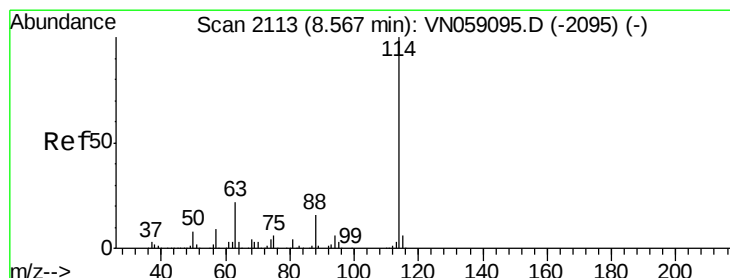
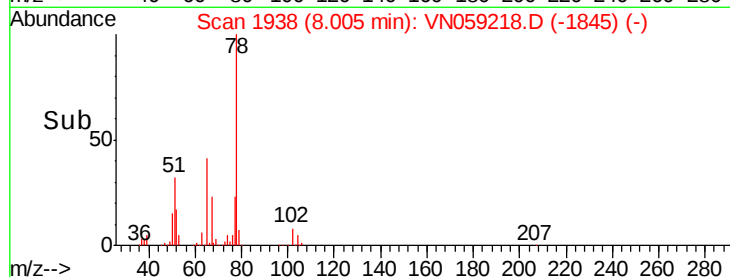
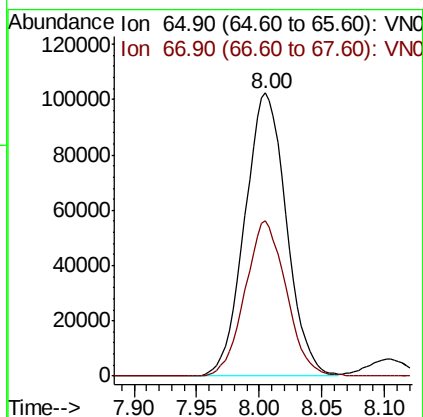
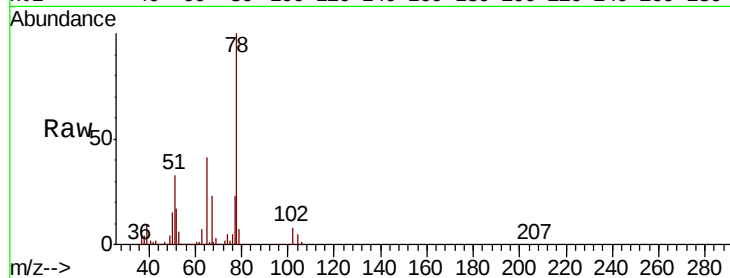




#33
 1,2-Dichloroethane-d4
 Concen: 45.951 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

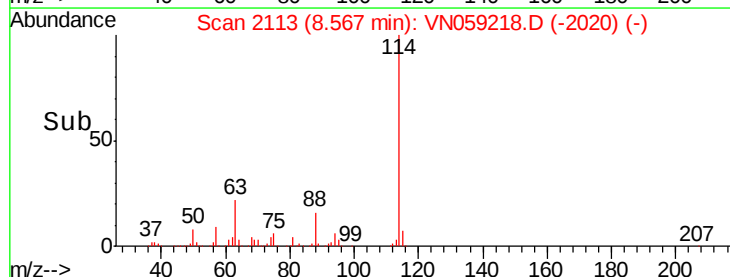
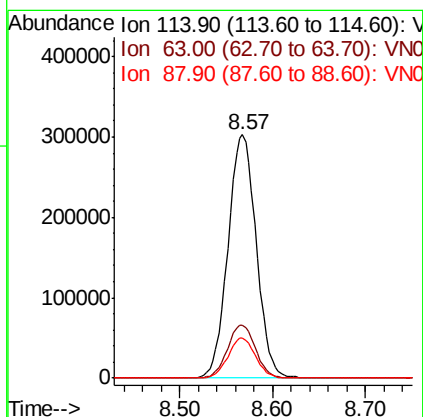
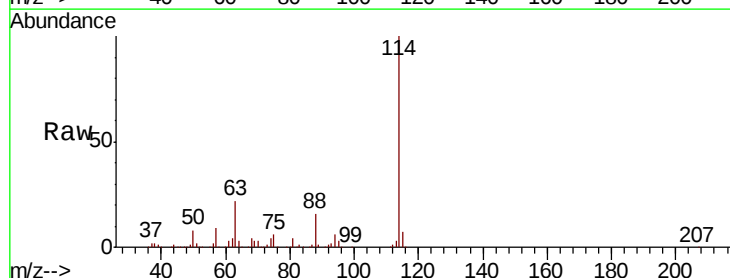
Instrument :
 MSVOA_N
 ClientSampled :

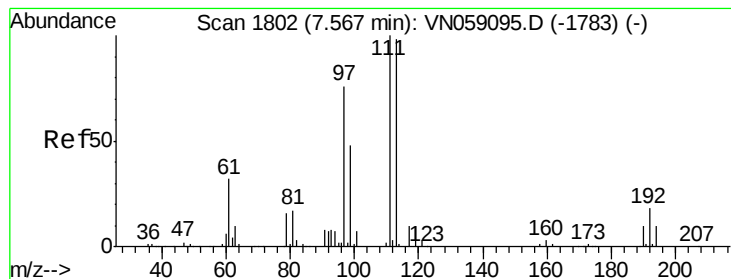
Tot Ion: 65 Resp: 237040
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion: 114 Resp: 638362
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.055 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampled :

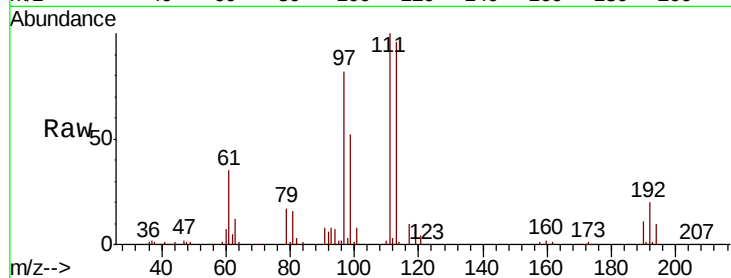
Tot Ion:113 Resp: 190791

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

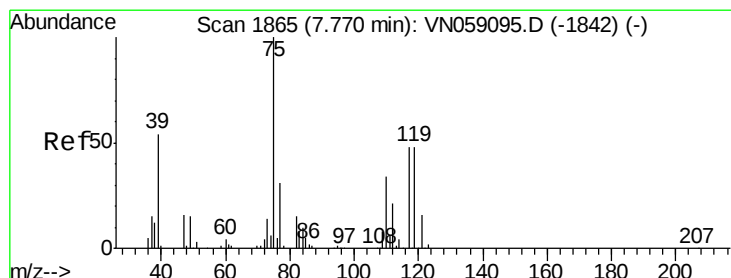
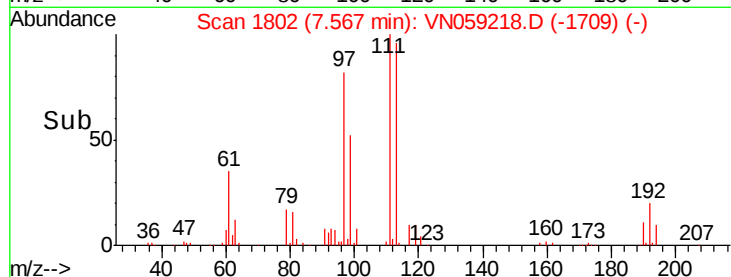
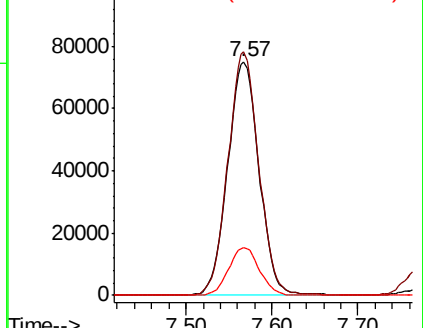
192 20.0 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.402 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

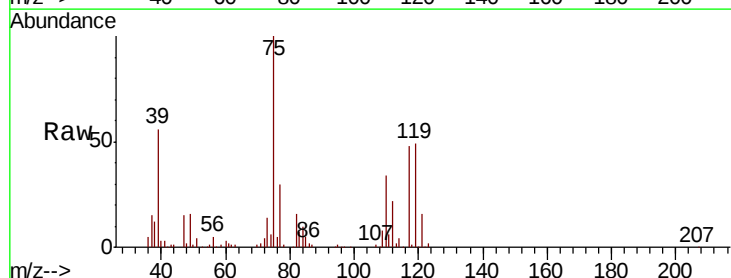
Tgt Ion: 75 Resp: 300740

Ion Ratio Lower Upper

75 100

110 33.7 17.1 51.2

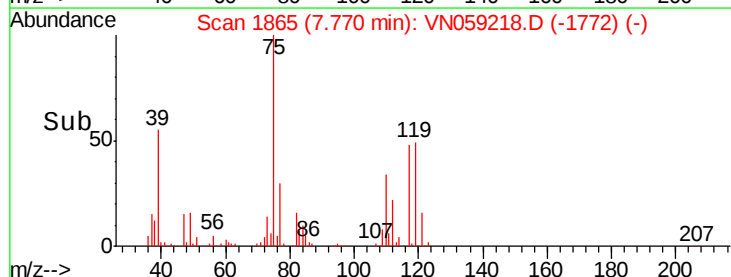
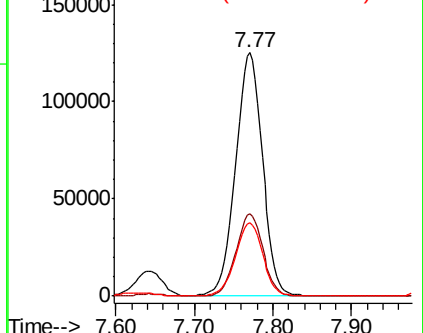
77 30.8 24.8 37.2

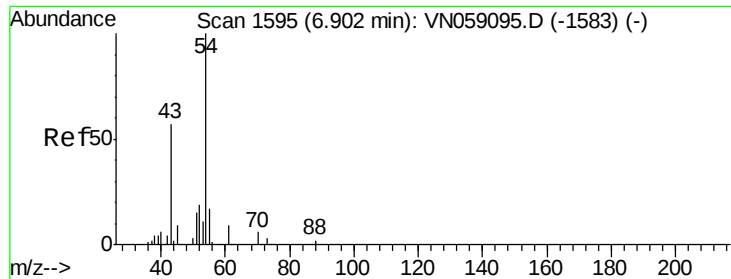


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

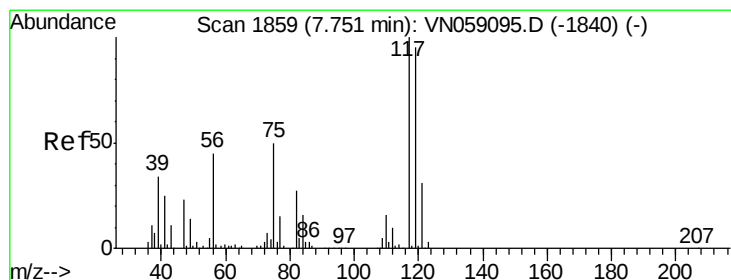
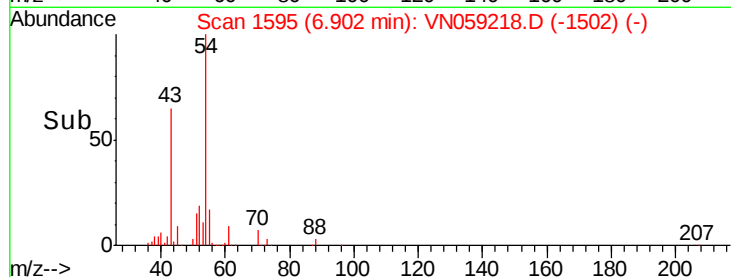
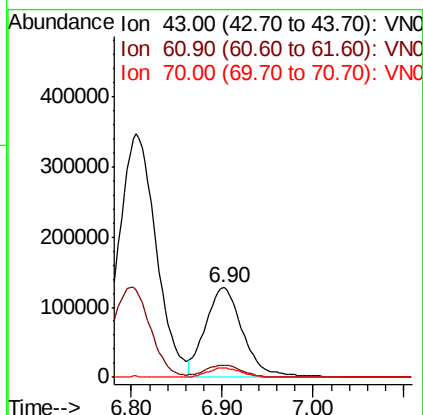
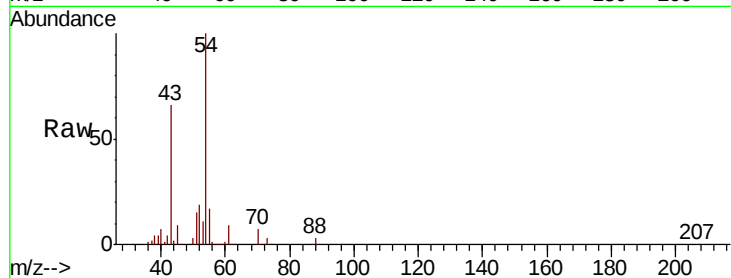




#37
Ethyl Acetate
Concen: 54.221 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

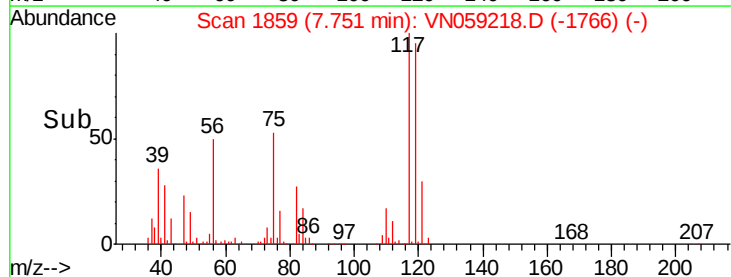
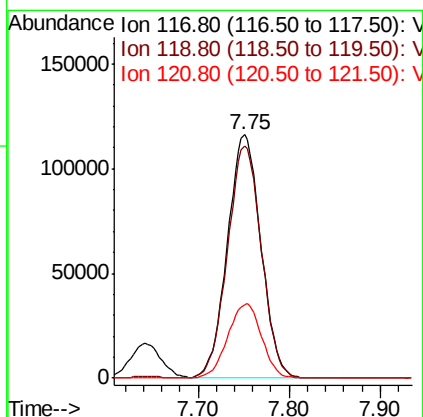
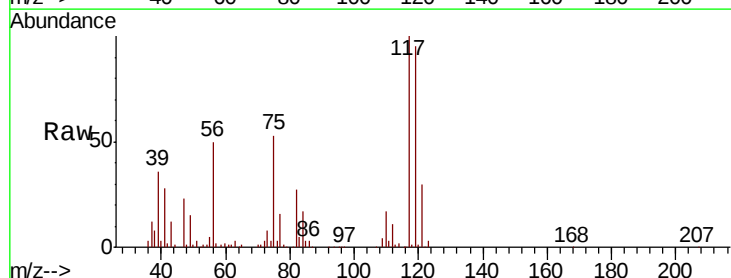
Instrument :
MSVOA_N
ClientSampled :

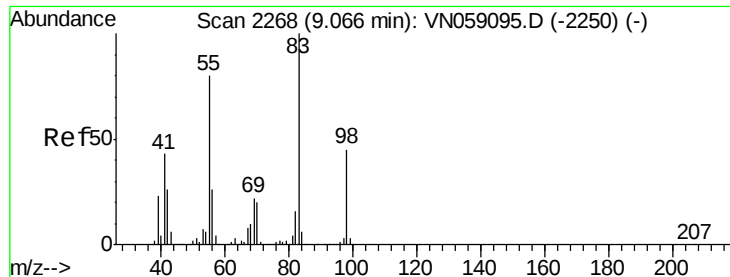
Tot Ion: 43 Resp: 359915
Ion Ratio Lower Upper
43 100
61 13.4 11.2 16.8
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 50.101 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 117 Resp: 297545
Ion Ratio Lower Upper
117 100
119 95.2 75.6 113.4
121 30.1 24.6 36.8

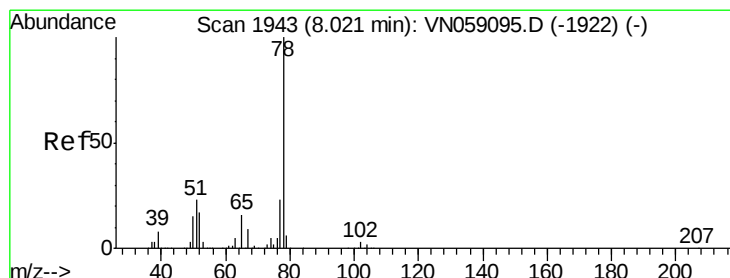
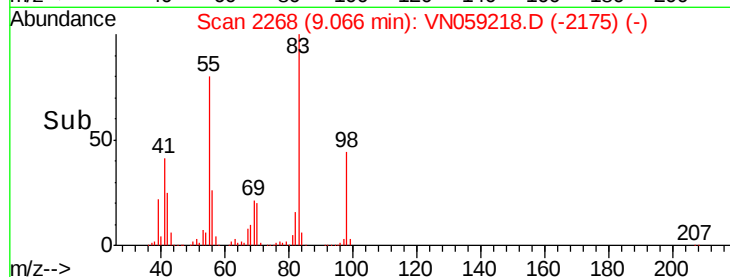
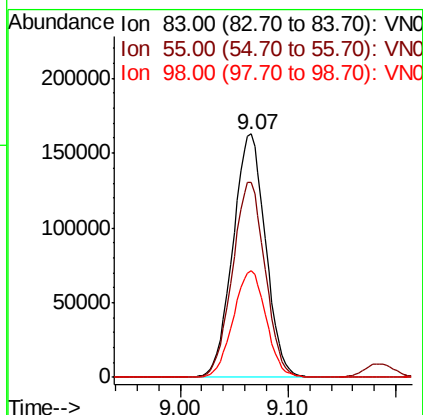
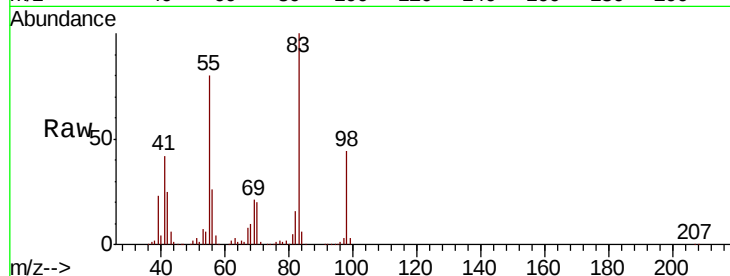




#39
Methvlcvclohexane
Concen: 49.626 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

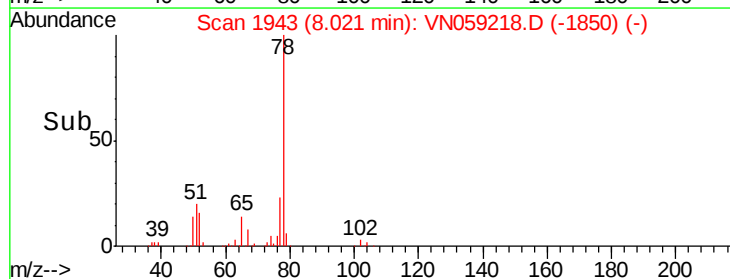
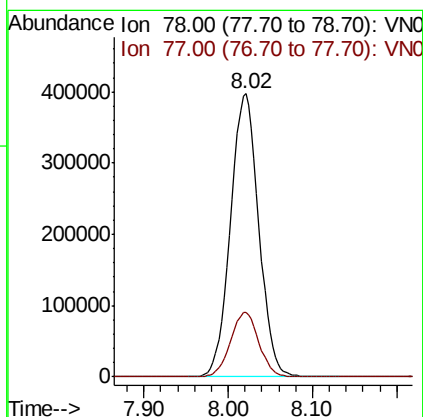
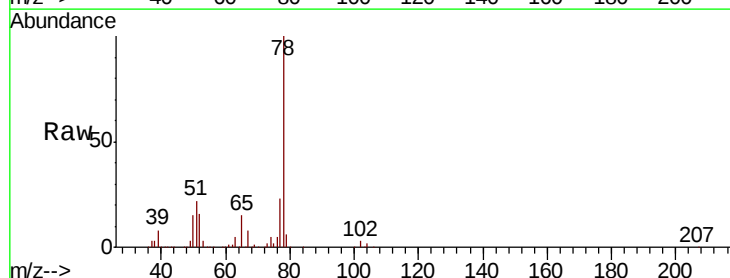
Instrument :
MSVOA_N
ClientSampled :

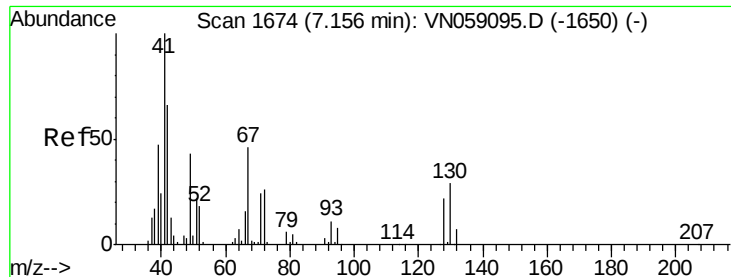
Tot Ion: 83 Resp: 343663
Ion Ratio Lower Upper
83 100
55 80.0 63.9 95.9
98 43.6 35.6 53.4



#40
Benzene
Concen: 51.545 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 78 Resp: 926179
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

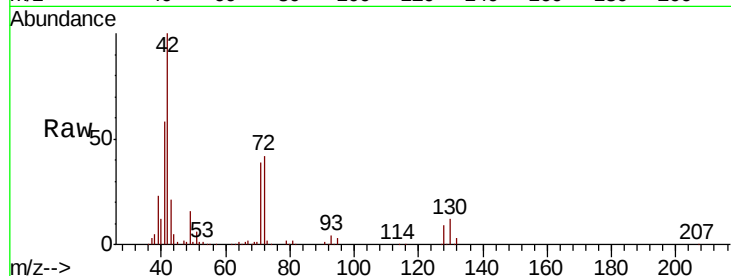




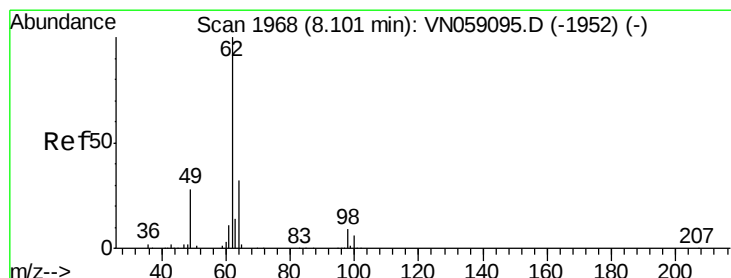
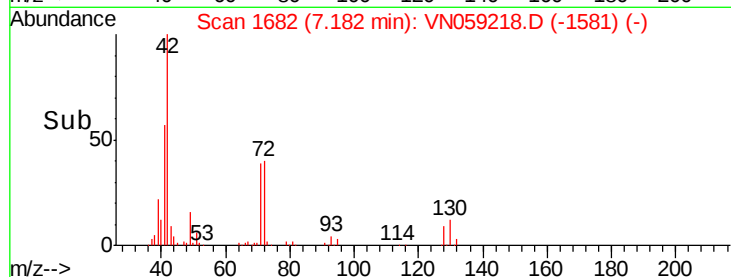
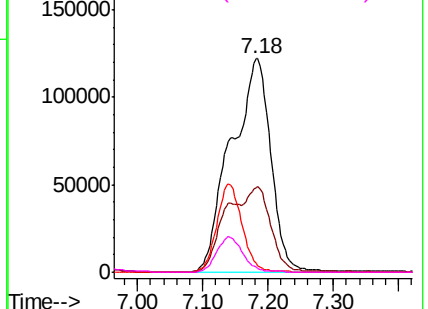
#41
Methacrylonitrile
Concen: 178.056 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	513949
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

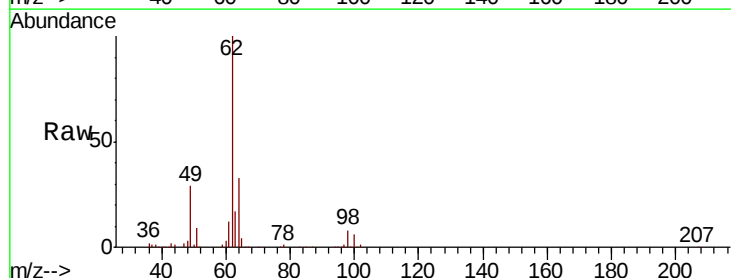


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

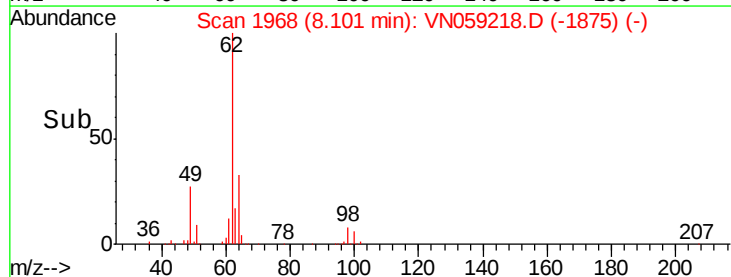
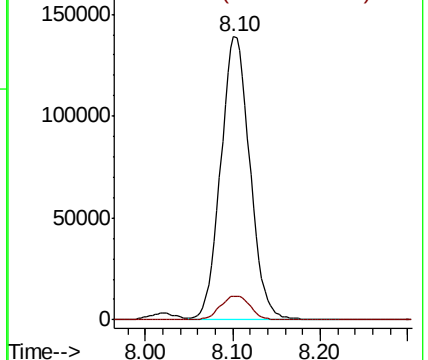


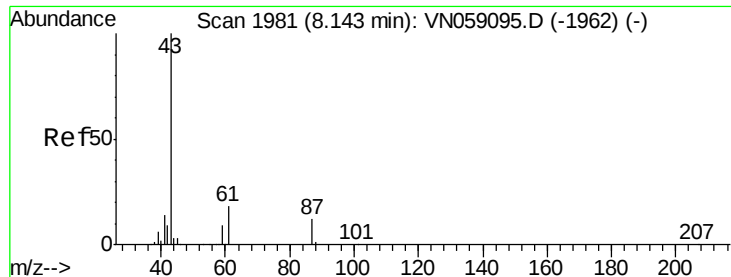
#42
1,2-Dichloroethane
Concen: 52.168 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion:	62	Resp:	321490
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



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

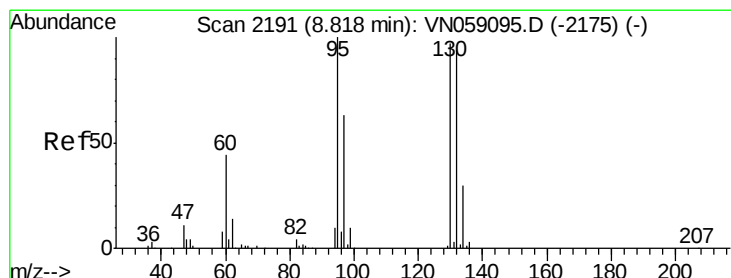
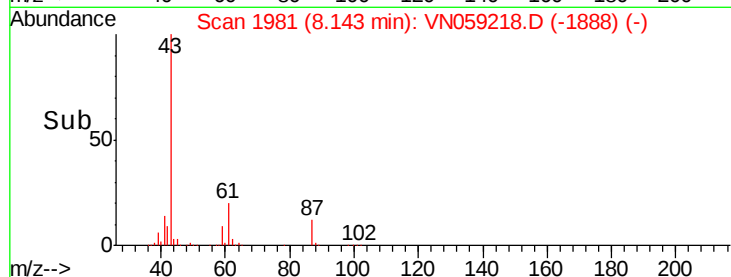
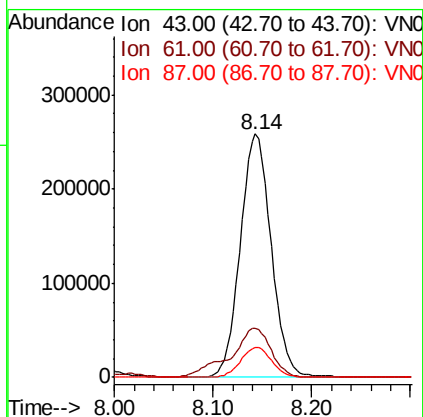
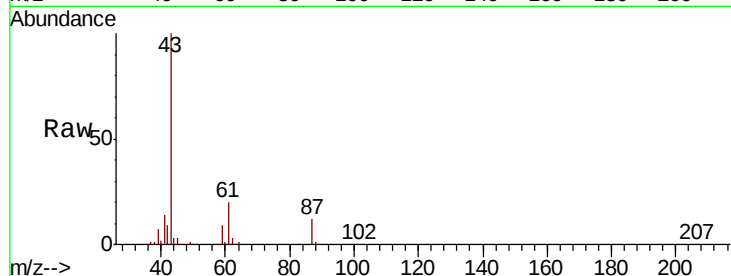




#43
Isopropyl Acetate
Concen: 52.682 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

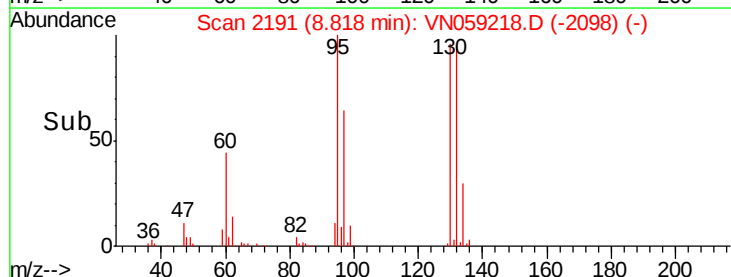
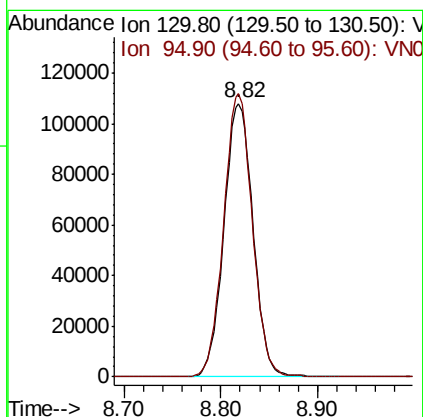
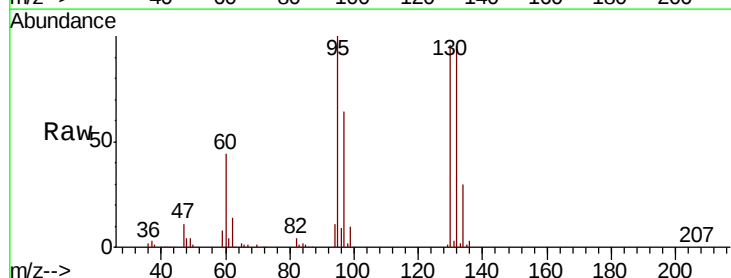
Instrument :
MSVOA_N
ClientSampleId :

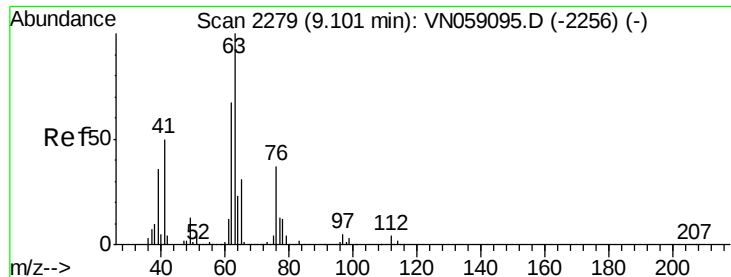
Tot Ion: 43 Resp: 557513
Ion Ratio Lower Upper
43 100
61 27.0 21.0 31.6
87 12.6 9.8 14.6



#44
Trichloroethene
Concen: 51.019 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 130 Resp: 225344
Ion Ratio Lower Upper
130 100
95 103.6 0.0 206.4





#45

1,2-Dichloropropane

Concen: 52.305 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

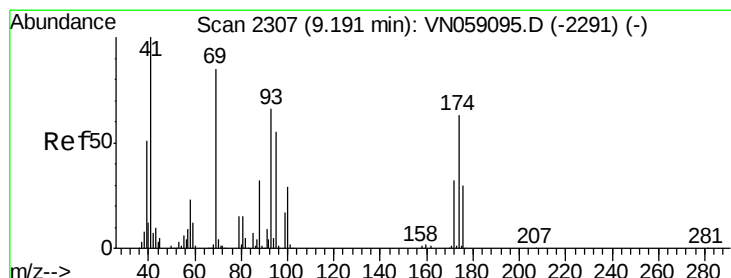
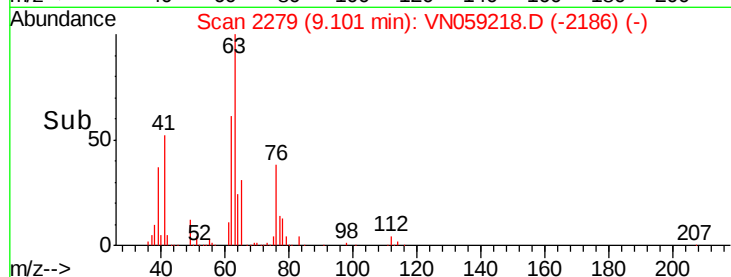
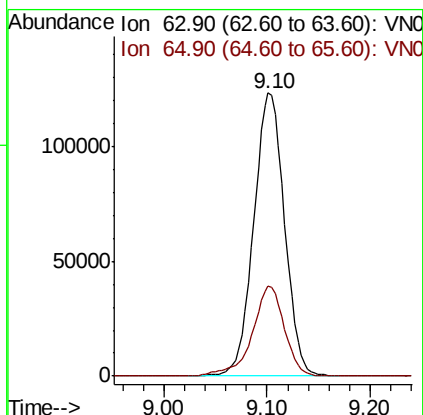
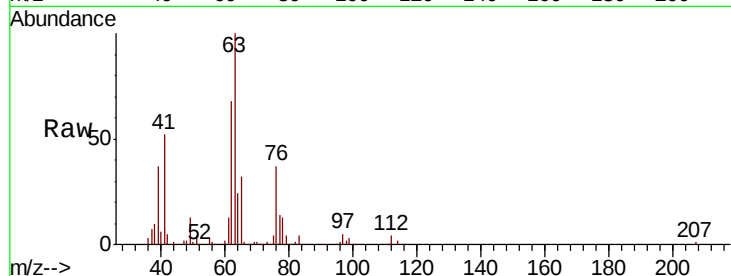
ClientSampled :

Tot Ion: 63 Resp: 255274

Ion Ratio Lower Upper

63 100

65 31.6 24.6 37.0



#46

Dibromomethane

Concen: 52.401 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

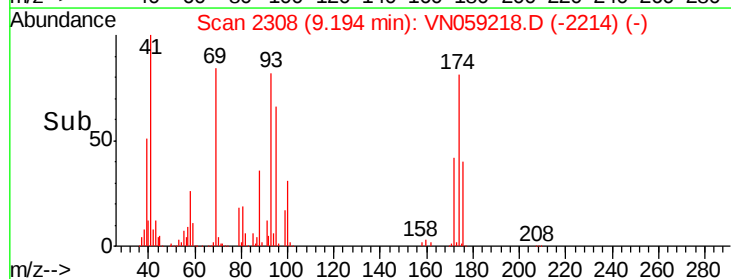
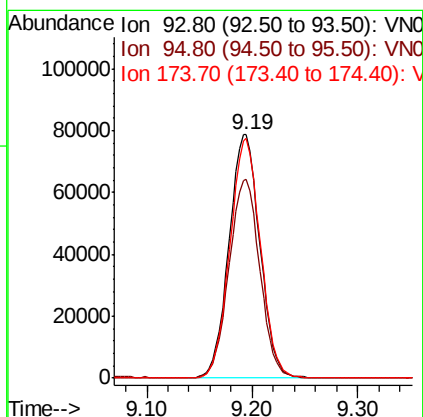
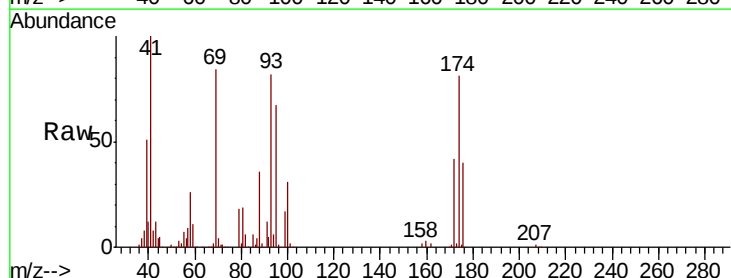
Tgt Ion: 93 Resp: 159366

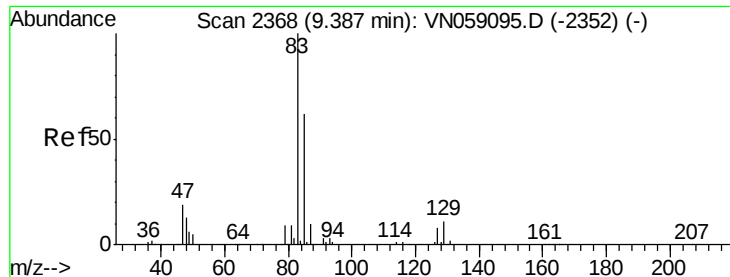
Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 97.4 78.2 117.2

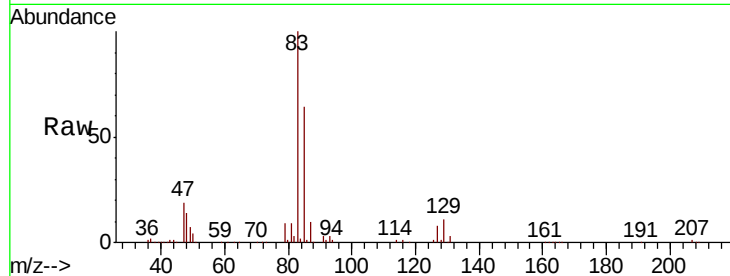




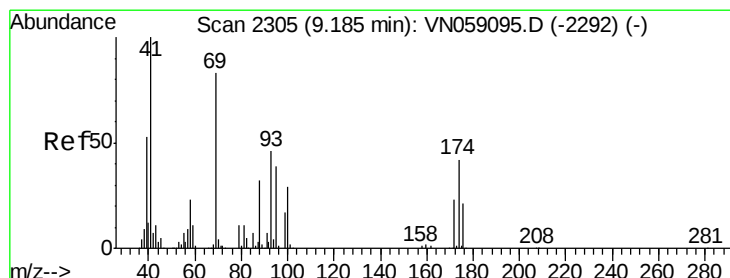
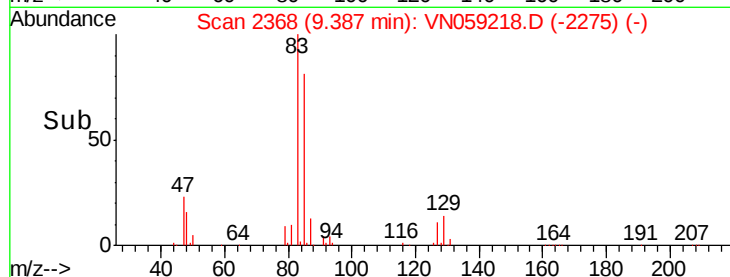
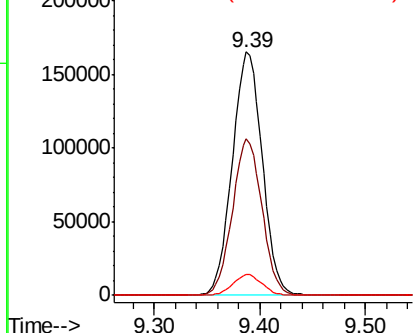
#47
Bromodichloromethane
Concen: 53.619 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 325622
Ion Ratio Lower Upper
83 100
85 64.1 49.7 74.5
127 8.5 6.4 9.6

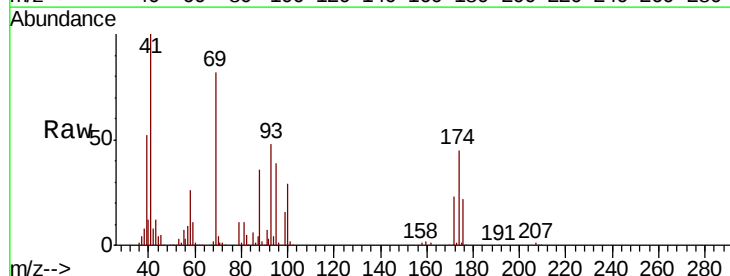


Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): V

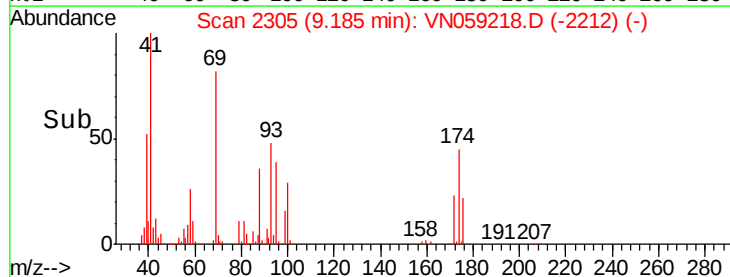
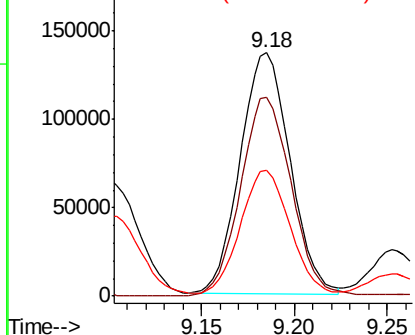


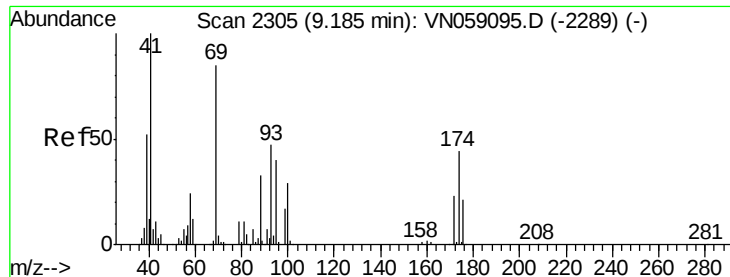
#48
Methyl methacrylate
Concen: 53.750 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 41 Resp: 254428
Ion Ratio Lower Upper
41 100
69 85.1 67.3 100.9
39 52.4 43.3 64.9



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





#49

1,4-Dioxane

Concen: 1205.349 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampleId :

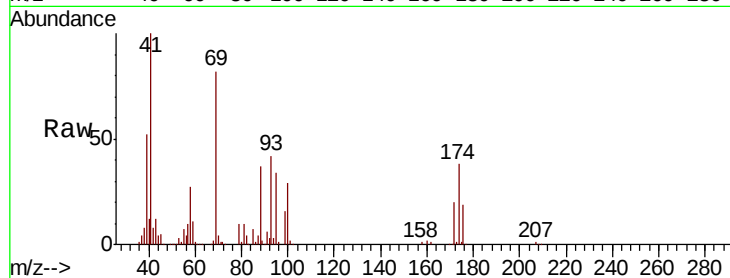
Tot Ion: 88 Resp: 101396

Ion Ratio Lower Upper

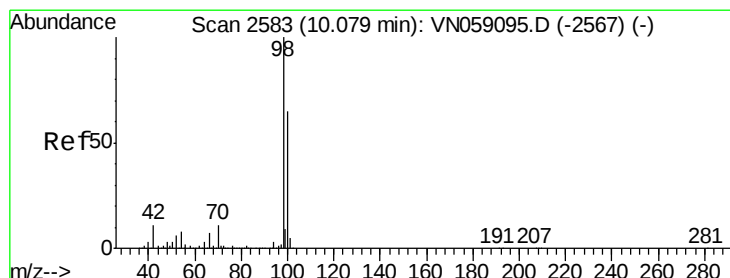
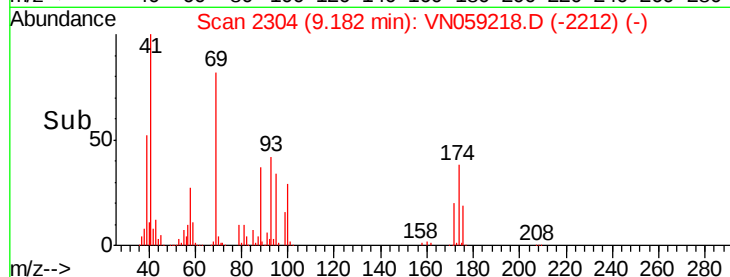
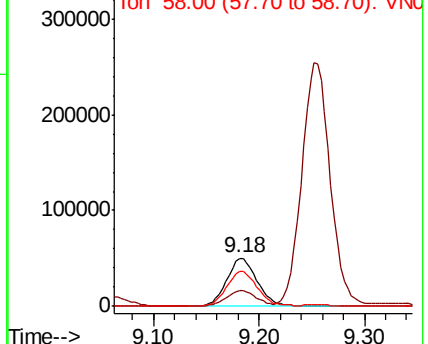
88 100

43 31.0 26.3 39.5

58 73.1 60.6 90.8



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



#50

Toluene-d8

Concen: 48.163 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059218.D

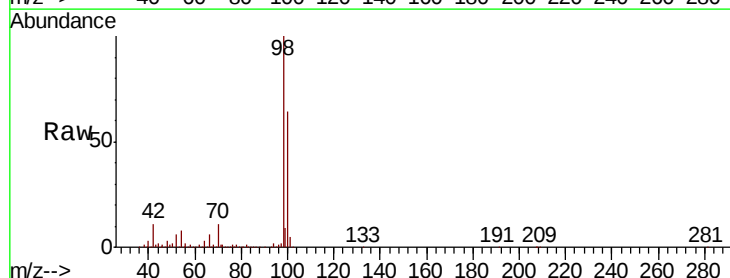
Acq: 14 Nov 2019 9:20

Tgt Ion: 98 Resp: 723107

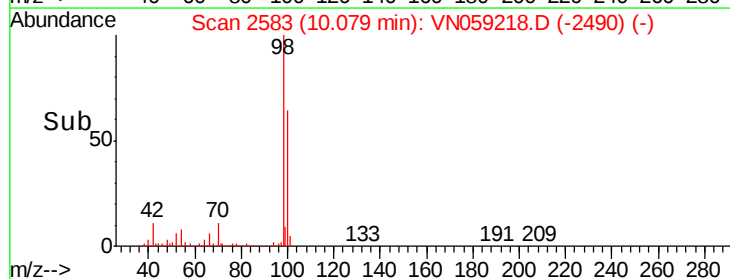
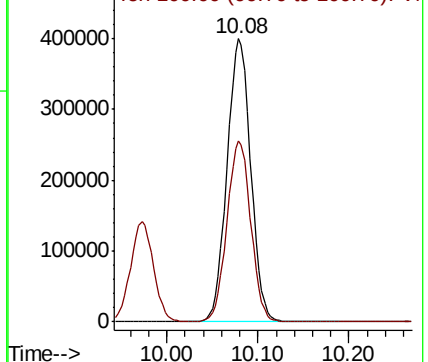
Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 300.171 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

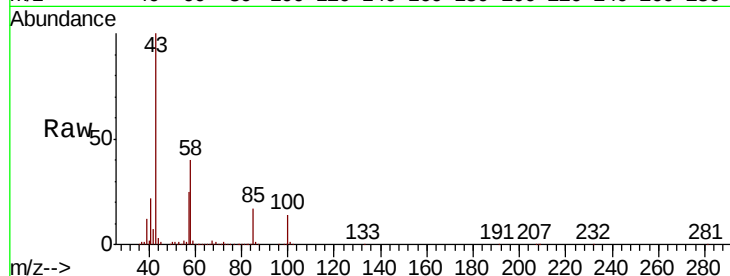
ClientSampled :

Tot Ion: 43 Resp: 1797379

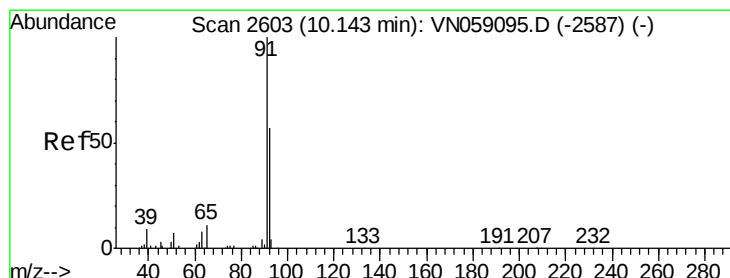
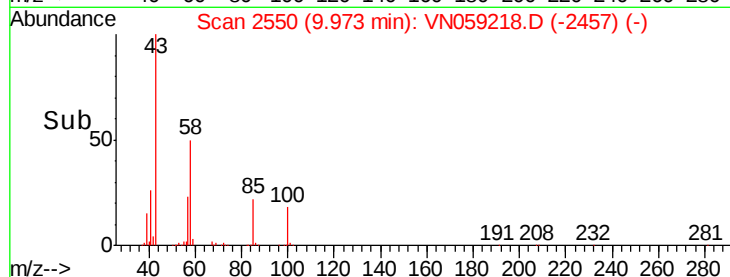
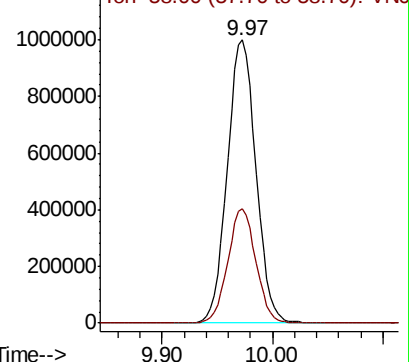
Ion Ratio Lower Upper

43 100

58 39.5 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)



#52

Toluene

Concen: 52.176 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059218.D

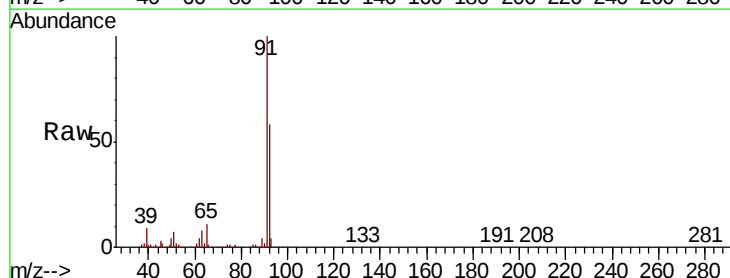
Acq: 14 Nov 2019 9:20

Tgt Ion: 92 Resp: 561918

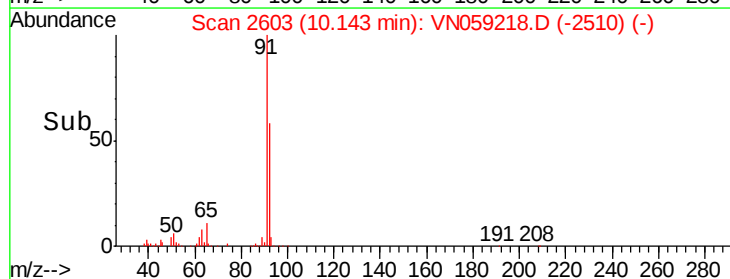
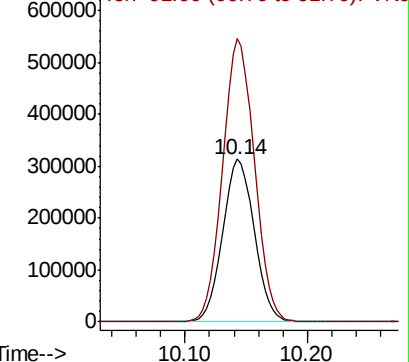
Ion Ratio Lower Upper

92 100

91 175.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 53.183 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

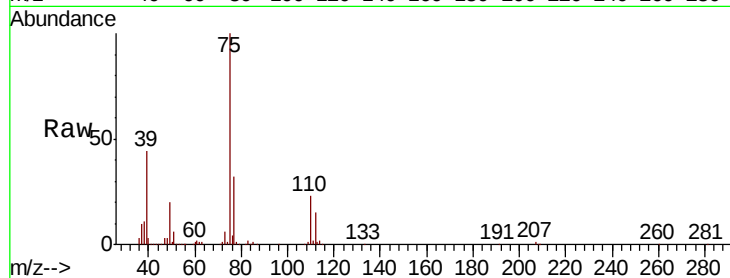
ClientSampleId :

Tot Ion: 75 Resp: 373140

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

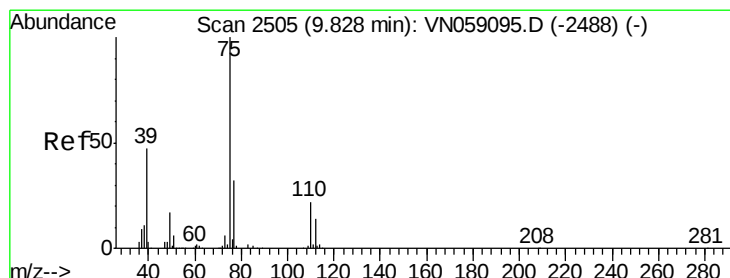
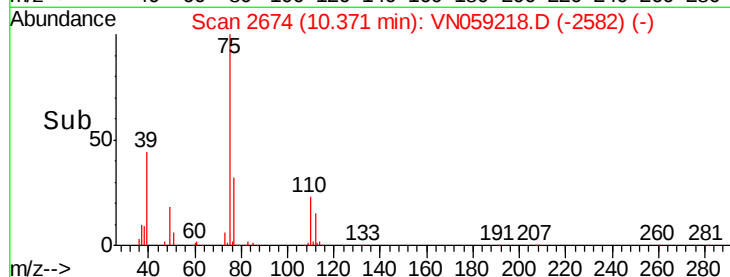
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.152 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

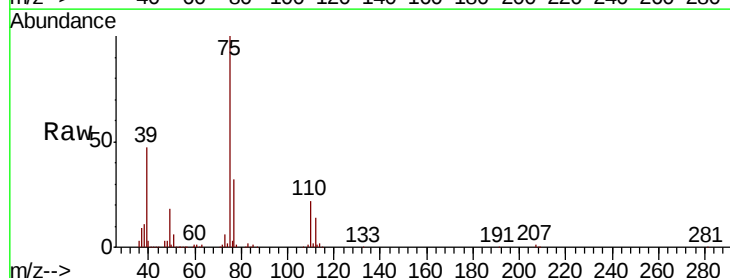
Tgt Ion: 75 Resp: 401149

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 46.5 37.3 55.9



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

9.83

300000

250000

200000

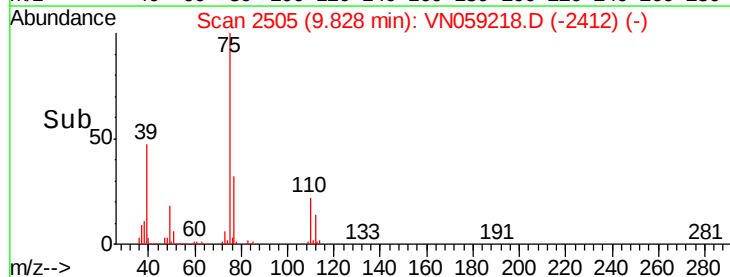
150000

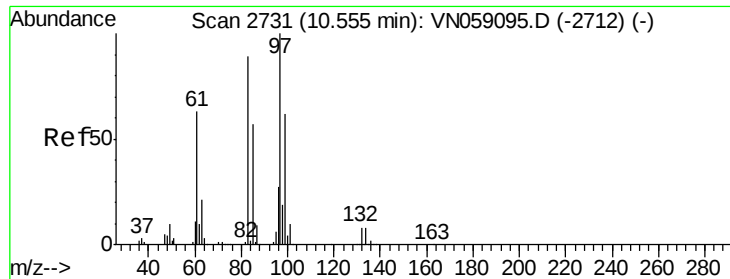
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.662 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 229532

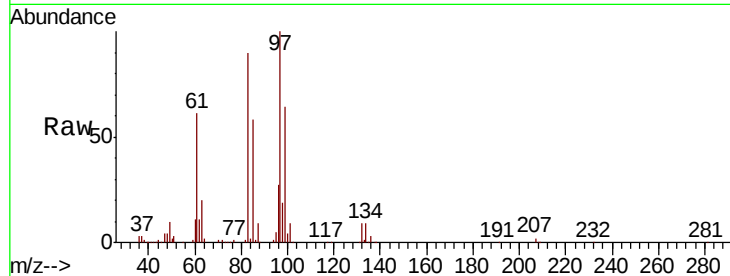
Ion Ratio Lower Upper

97 100

83 90.1 71.0 106.4

85 57.5 45.8 68.8

99 63.5 49.4 74.0

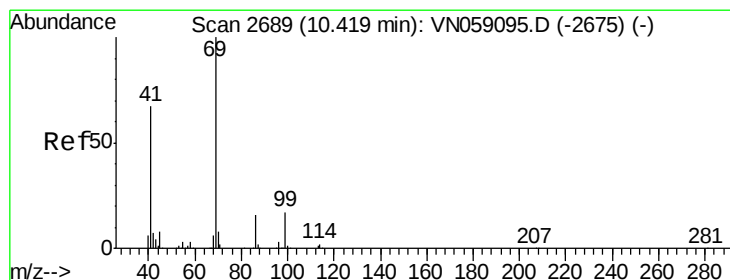
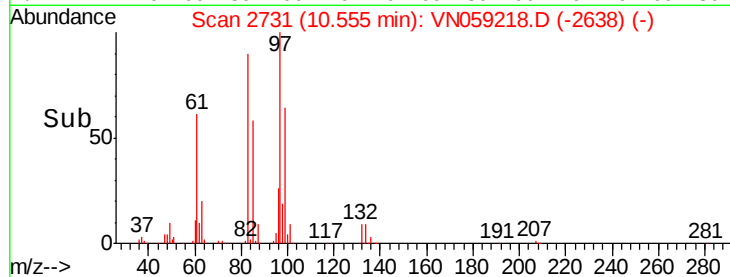
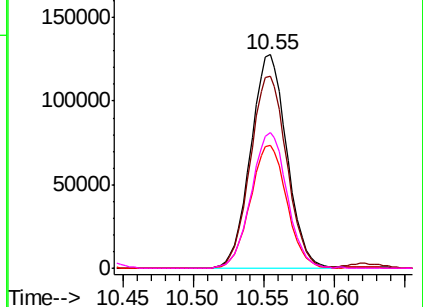


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 49.995 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

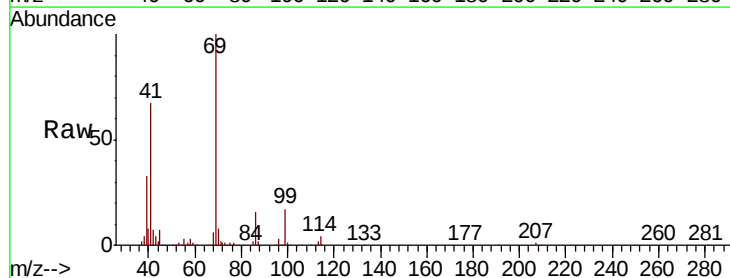
Tgt Ion: 69 Resp: 363439

Ion Ratio Lower Upper

69 100

41 66.0 53.6 80.4

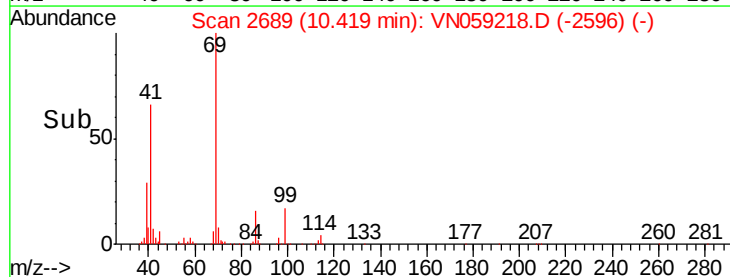
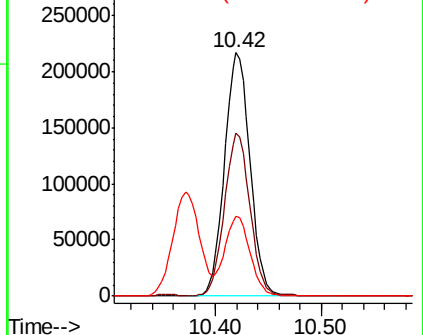
39 32.3 26.2 39.4

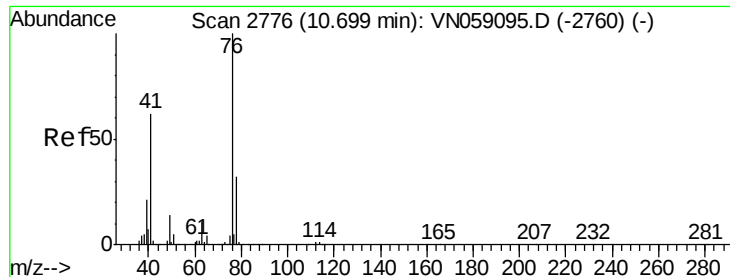


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.693 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

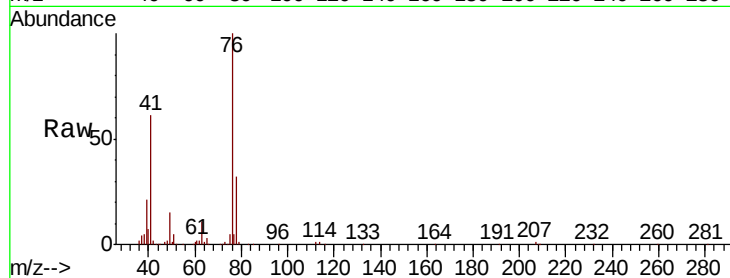
ClientSampled :

Tot Ion: 76 Resp: 402779

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

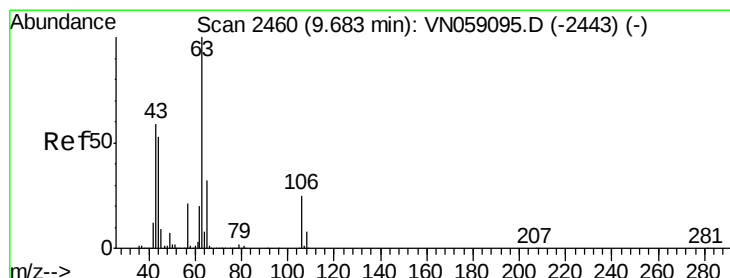
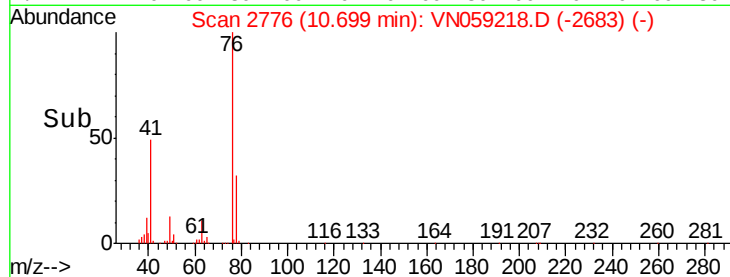
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 283.544 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059218.D

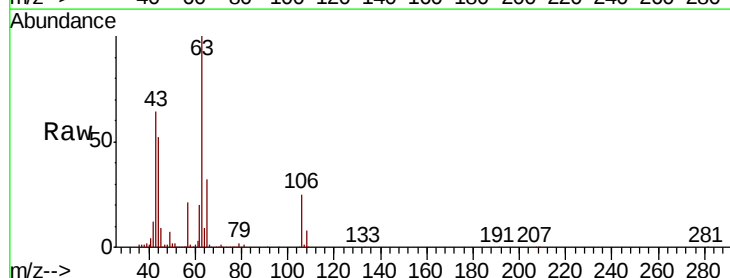
Acq: 14 Nov 2019 9:20

Tgt Ion: 63 Resp: 687779

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

400000

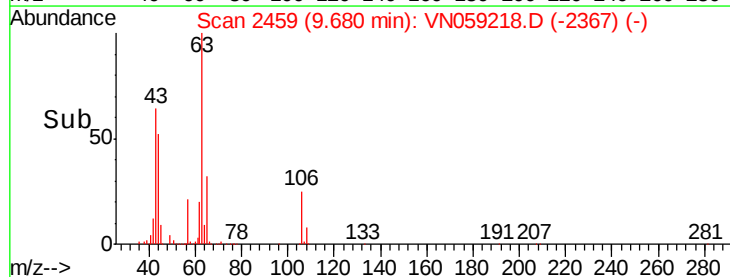
300000

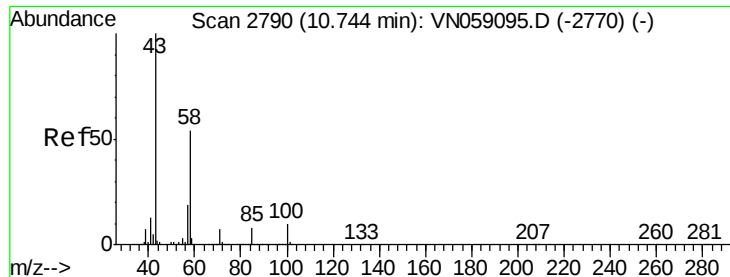
200000

100000

0

Time-->

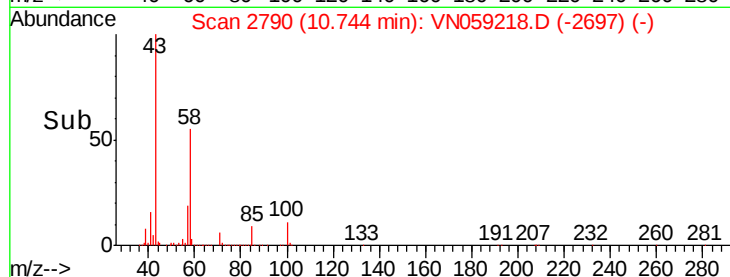
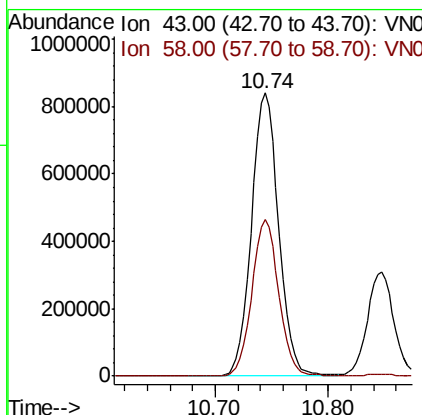
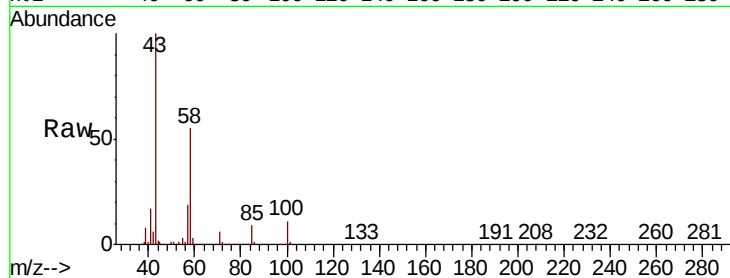




#59
2-Hexanone
Concen: 304.678 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

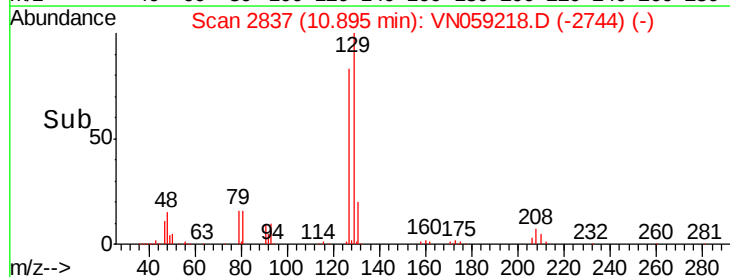
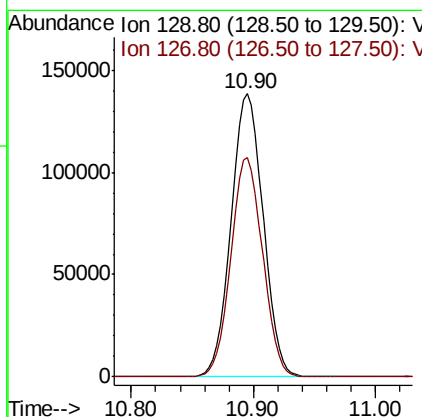
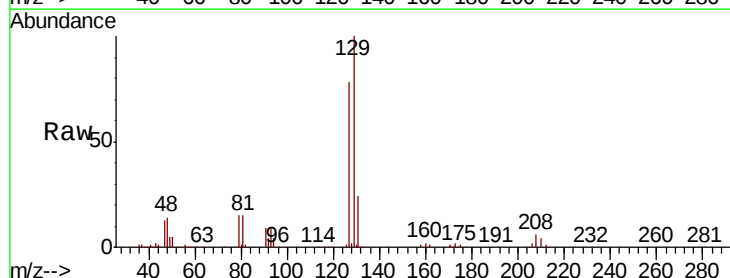
Instrument :
MSVOA_N
ClientSampled :

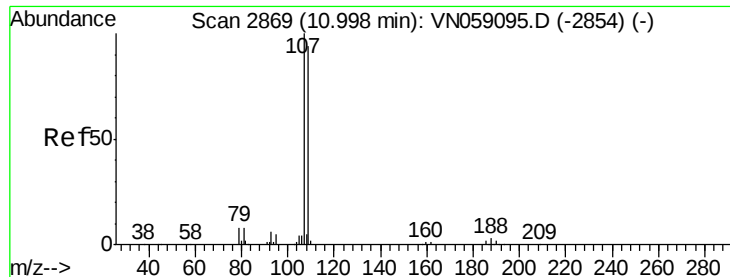
Tot Ion: 43 Resp: 1400284
Ion Ratio Lower Upper
43 100
58 54.9 27.3 81.8



#60
Dibromochloromethane
Concen: 55.046 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 129 Resp: 253667
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8

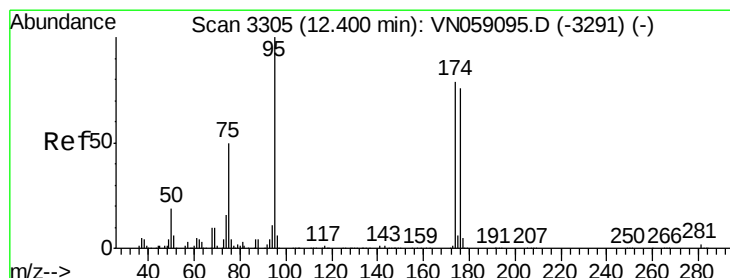
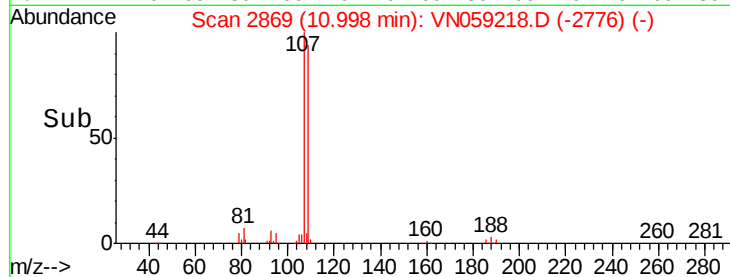
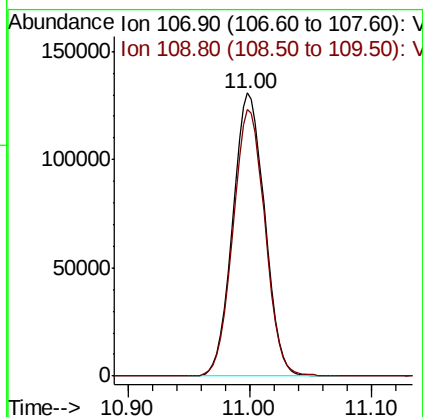
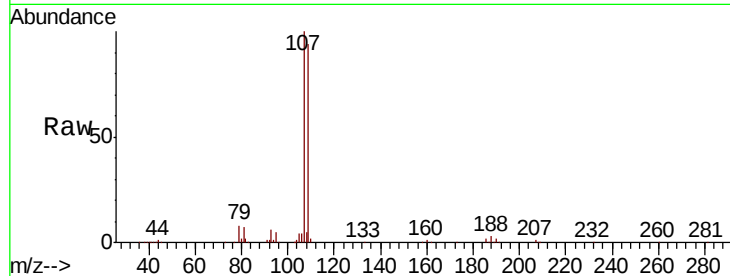




#61
 1,2-Dibromoethane
 Concen: 53.819 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

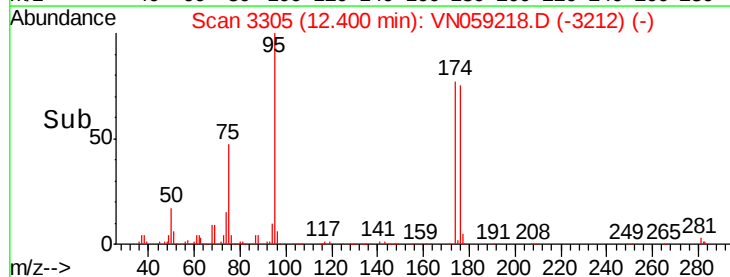
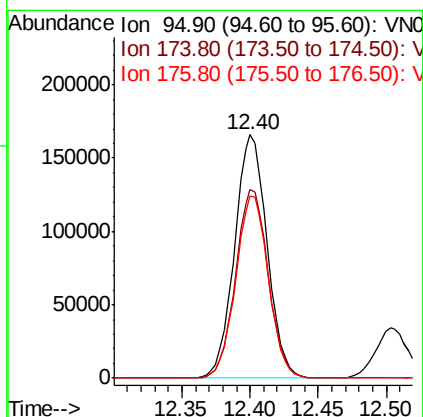
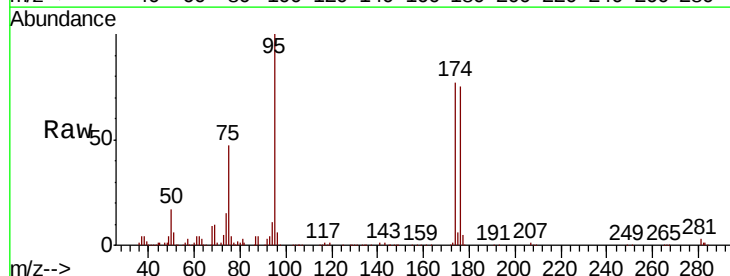
Instrument :
 MSVOA_N
 ClientSampled :

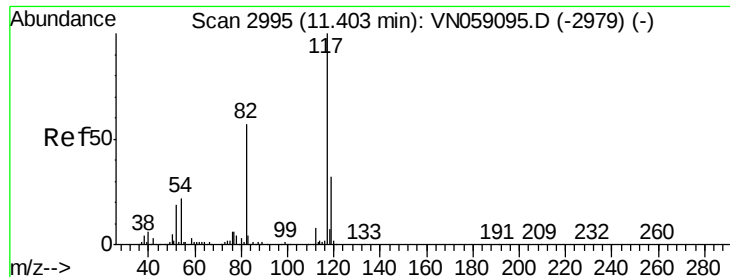
Tot Ion: 107 Resp: 237463
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 50.586 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion: 95 Resp: 273842
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 158.2
 176 75.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

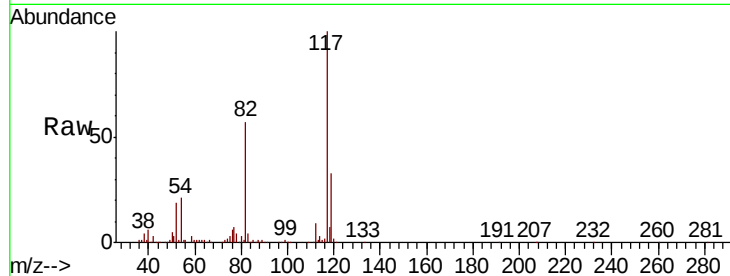
Tot Ion:117 Resp: 594894

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.8

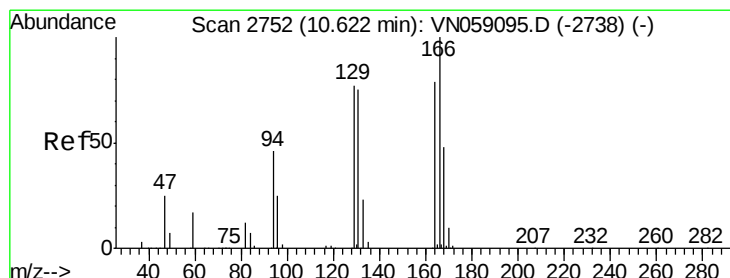
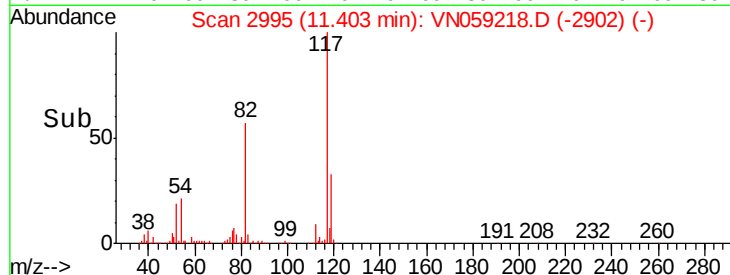
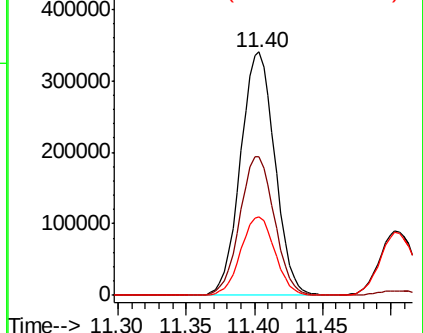
119 32.5 25.8 38.6



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: 49.443 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion:164 Resp: 200006

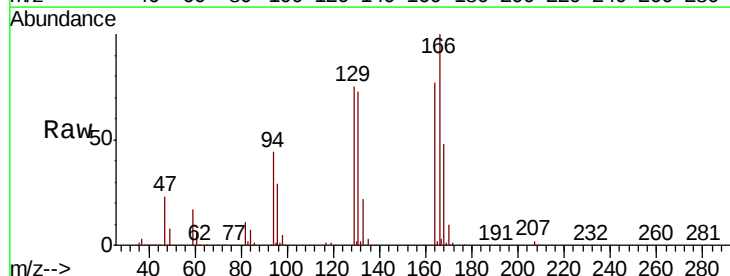
Ion Ratio Lower Upper

164 100

166 129.3 101.5 152.3

129 96.5 78.3 117.5

131 94.6 75.9 113.9

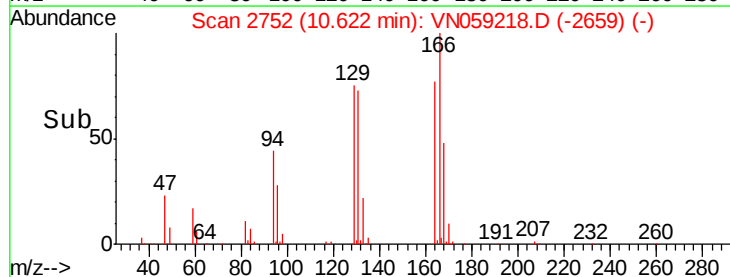
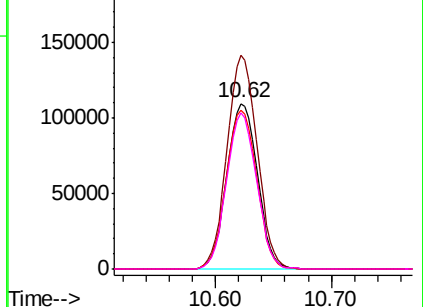


Abundance Ion 163.80 (163.50 to 164.50): V

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

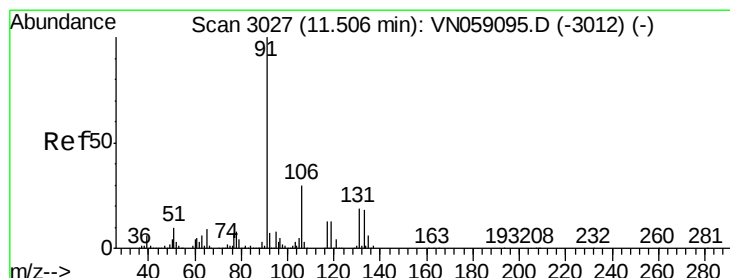
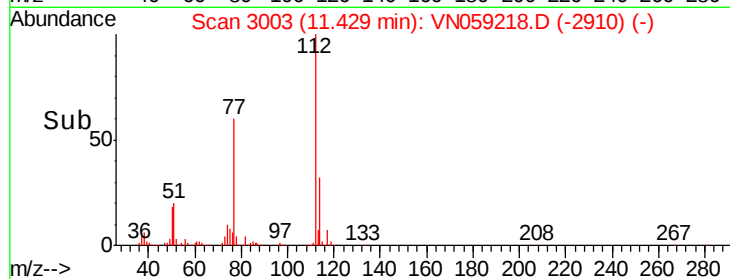
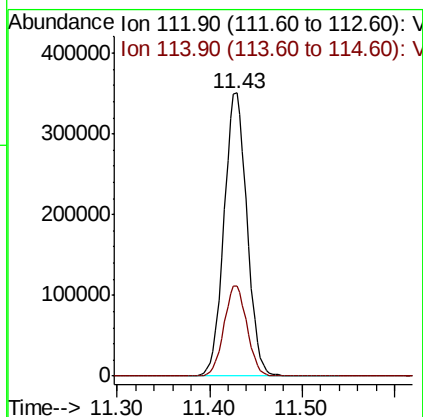
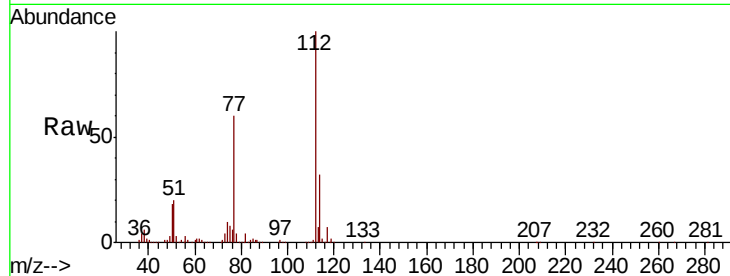




#65
Chlorobenzene
Concen: 51.819 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

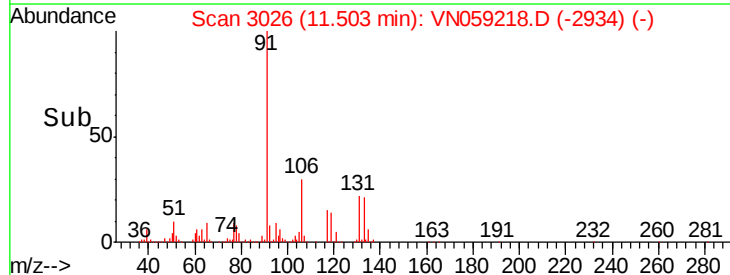
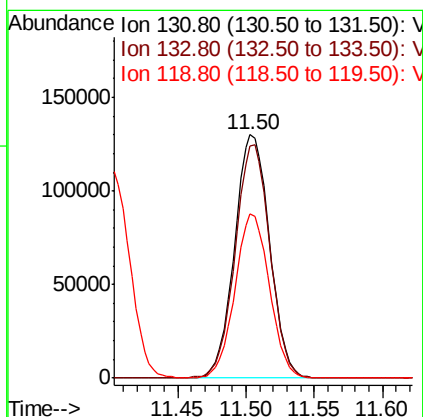
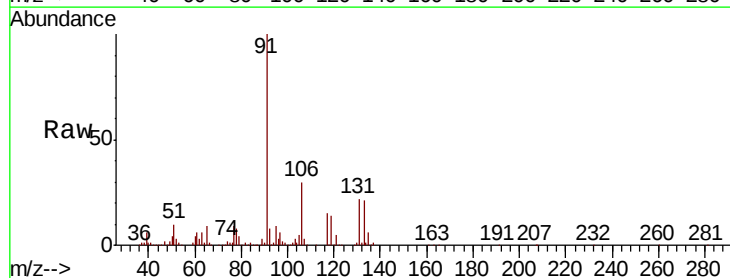
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 600933
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.255 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion:131 Resp: 231671
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 66.4 33.2 99.6

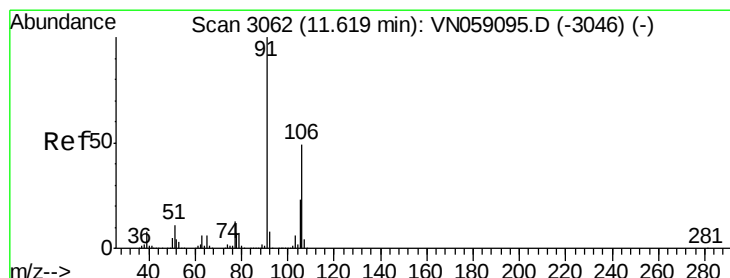
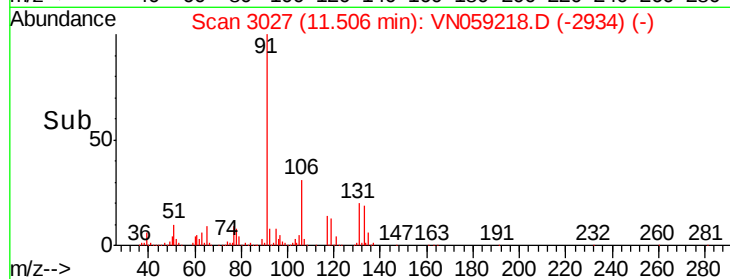
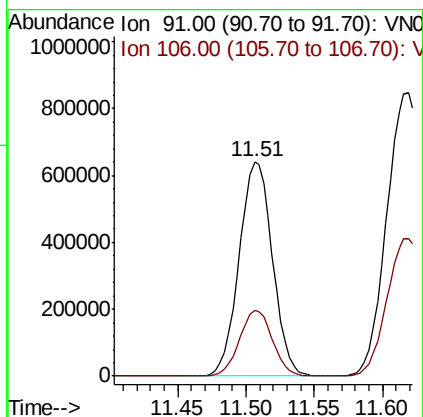
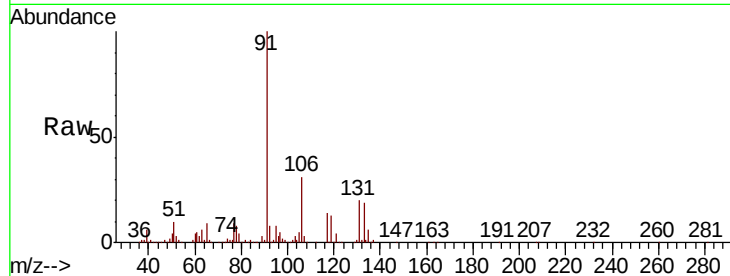




#67
Ethyl Benzene
Concen: 52.772 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

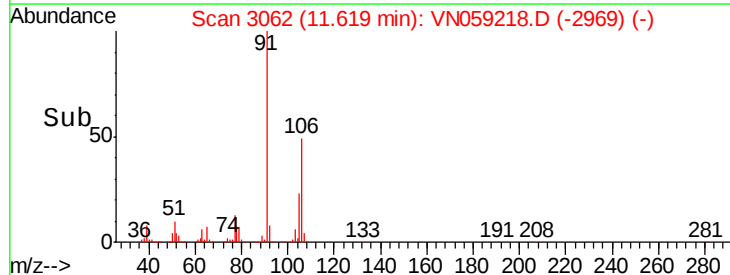
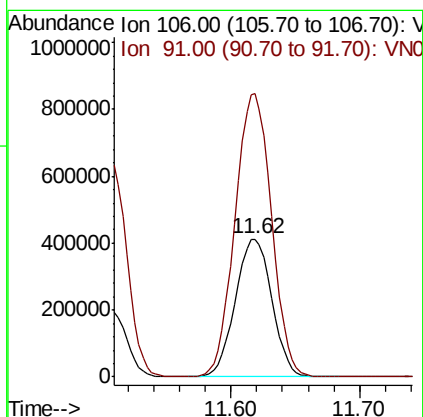
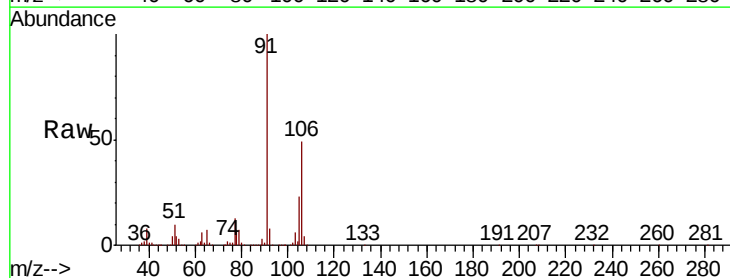
Instrument :
MSVOA_N
ClientSampled :

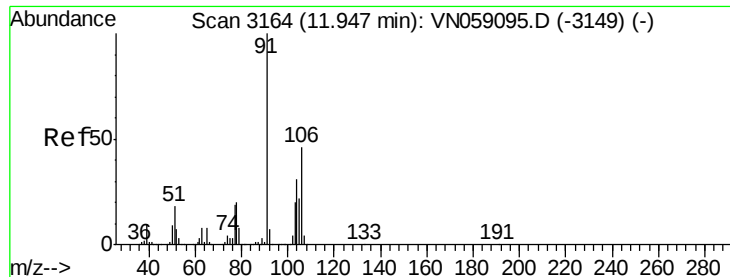
Tot Ion: 91 Resp: 1085796
Ion Ratio Lower Upper
91 100
106 30.6 24.1 36.1



#68
m/p-Xylenes
Concen: 105.040 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 106 Resp: 809576
Ion Ratio Lower Upper
106 100
91 206.2 164.7 247.1

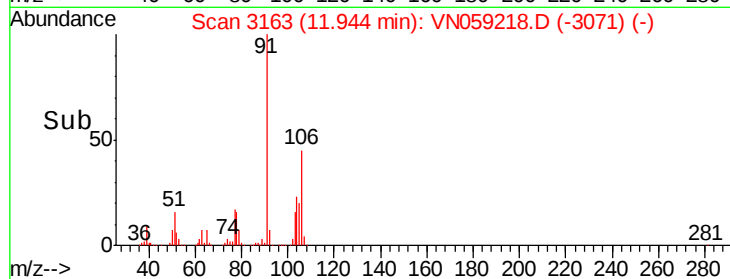
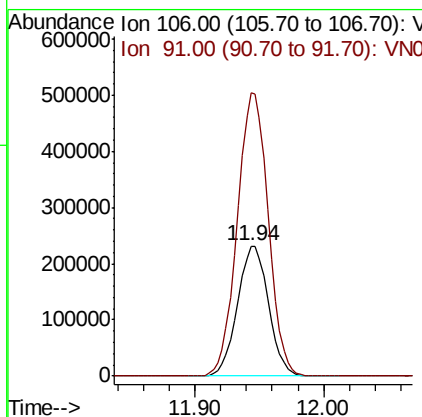
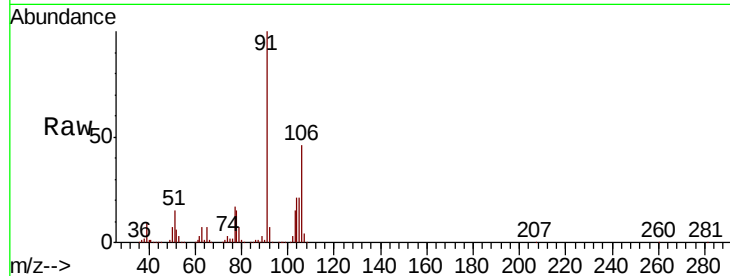




#69
o-Xylene
Concen: 52.008 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

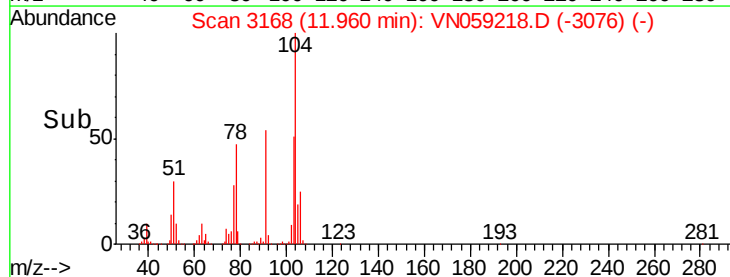
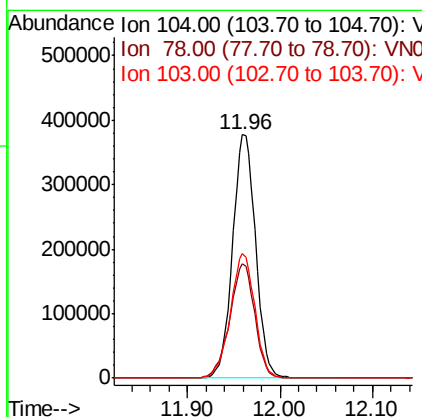
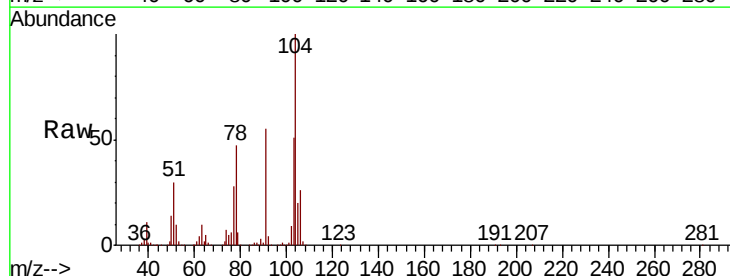
Instrument :
MSVOA_N
ClientSampled :

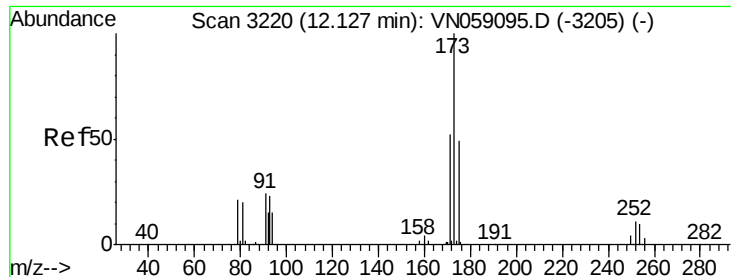
Tot Ion:106 Resp: 387375
Ion Ratio Lower Upper
106 100
91 217.5 110.1 330.3



#70
Styrene
Concen: 55.399 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion:104 Resp: 648957
Ion Ratio Lower Upper
104 100
78 50.9 41.2 61.8
103 54.5 43.8 65.6

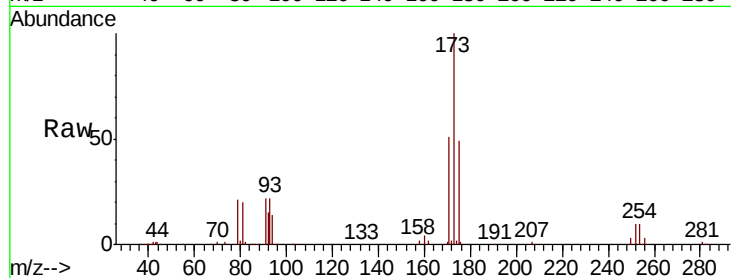




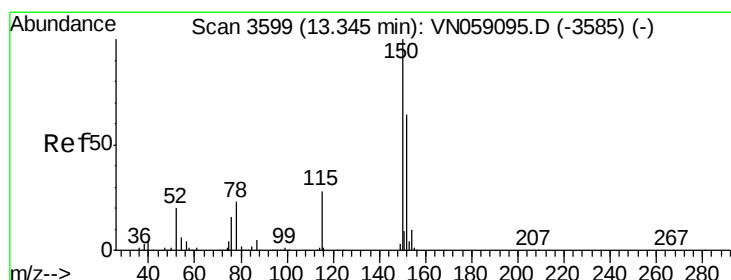
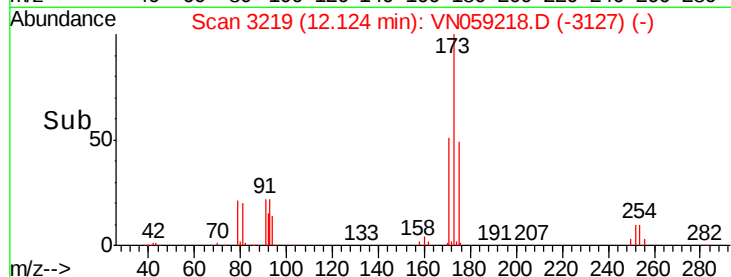
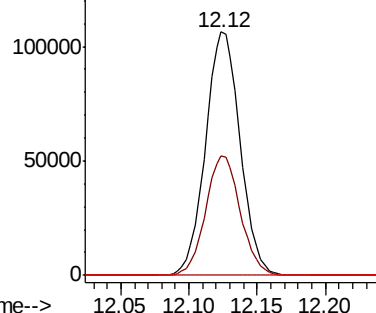
#71
Bromoform
Concen: 55.269 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 187018
Ion Ratio Lower Upper
173 100
175 48.9 24.2 72.6
254 0.1 0.1 0.1#

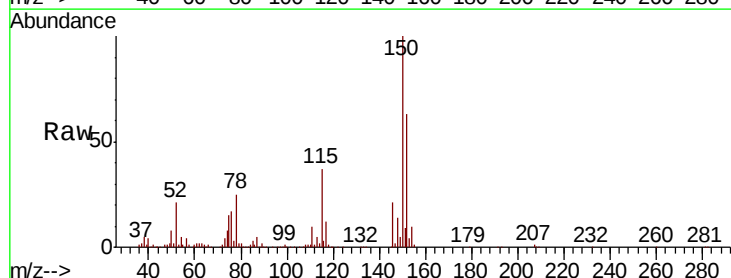


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

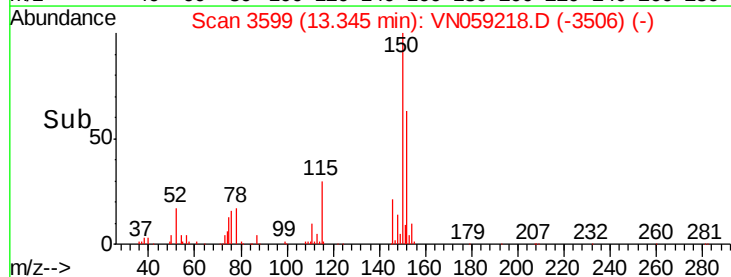
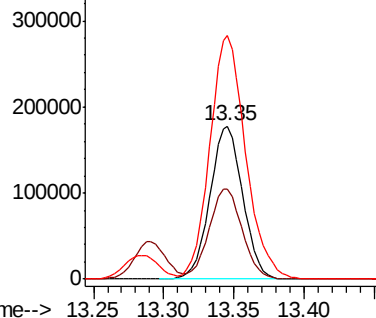


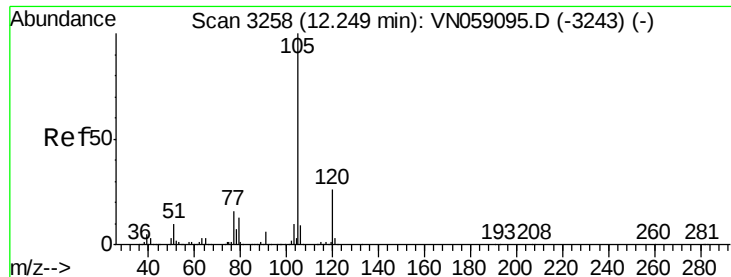
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion:152 Resp: 289075
Ion Ratio Lower Upper
152 100
115 59.7 29.4 88.2
150 173.6 0.0 345.8



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: 49.962 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

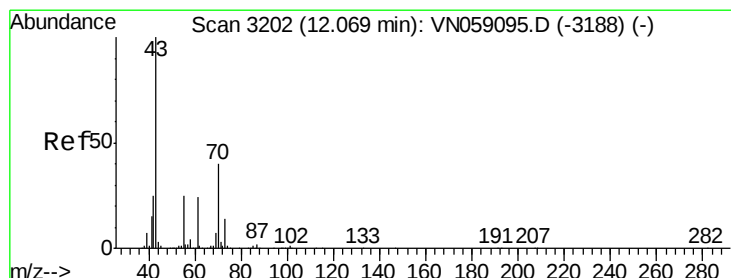
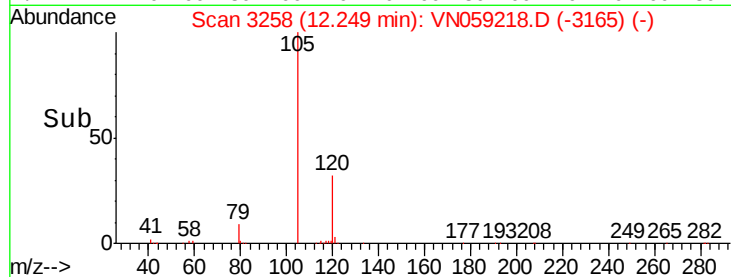
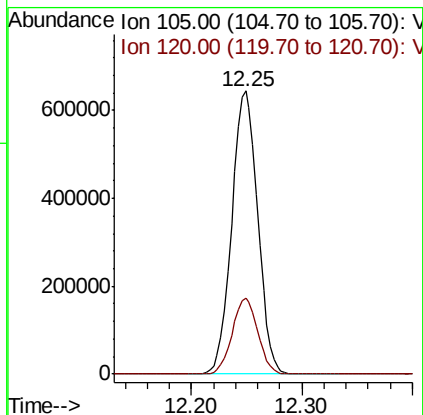
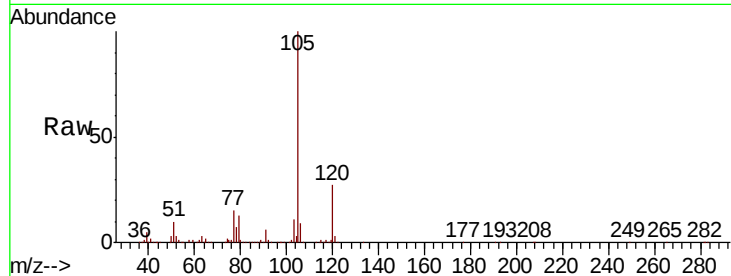
ClientSampleId :

Tot Ion:105 Resp: 1050580

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 52.970 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Tgt Ion: 43 Resp: 471968

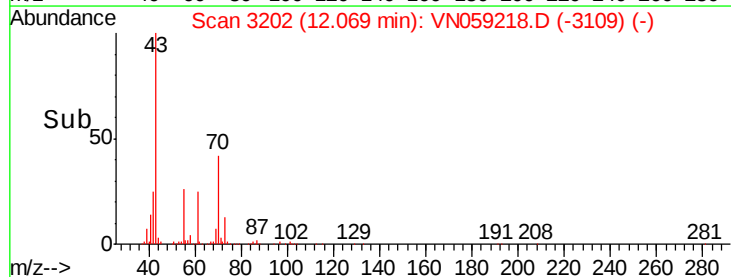
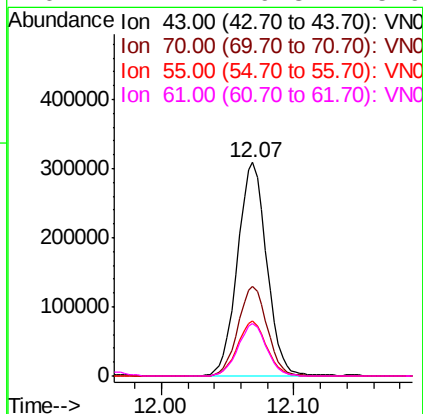
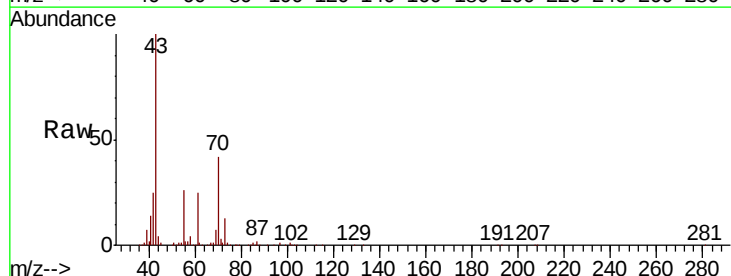
Ion Ratio Lower Upper

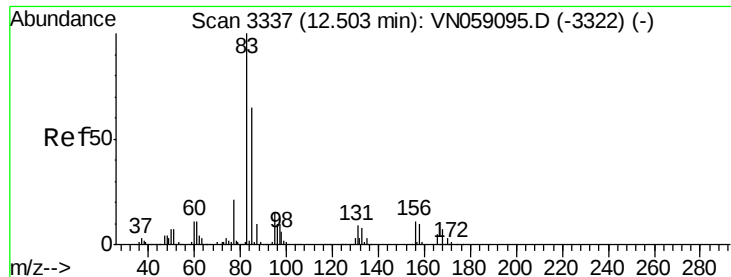
43 100

70 41.9 32.2 48.4

55 25.8 20.4 30.6

61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.276 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

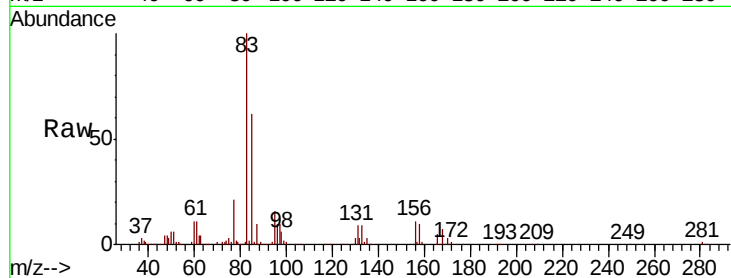
Tot Ion: 83 Resp: 367175

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.6
85	63.5	32.4	97.2

83 100

131 9.5 4.9 14.6

85 63.5 32.4 97.2

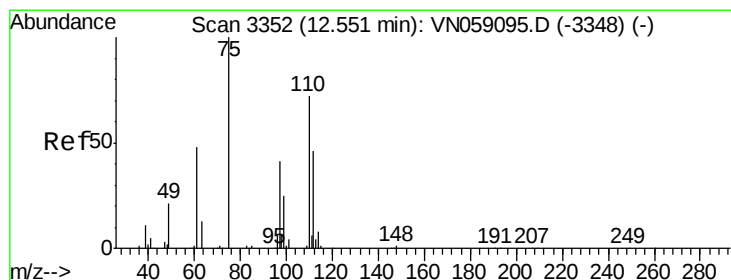
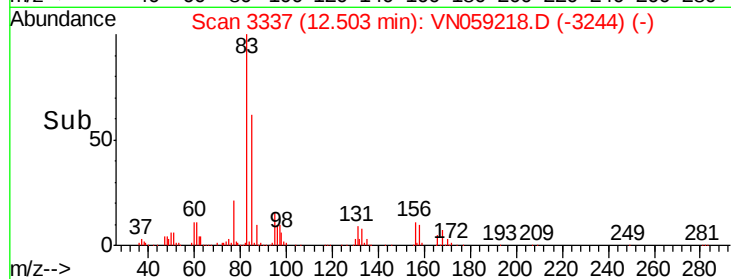
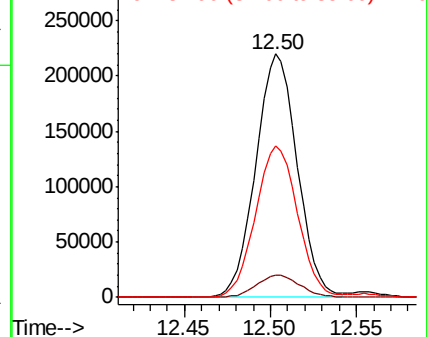


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.536 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059218.D

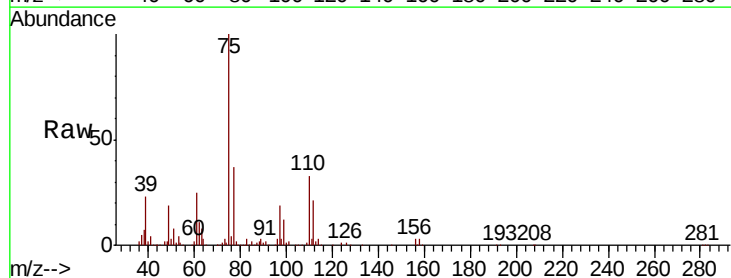
Acq: 14 Nov 2019 9:20

Tgt Ion: 75 Resp: 483961

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

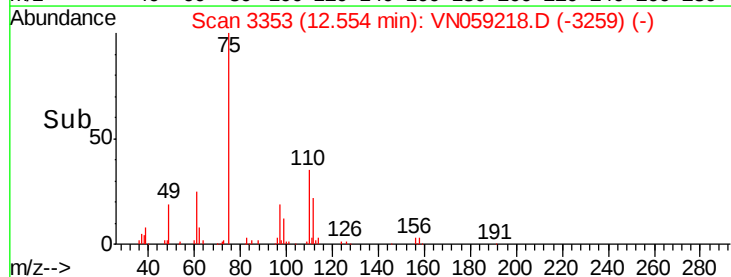
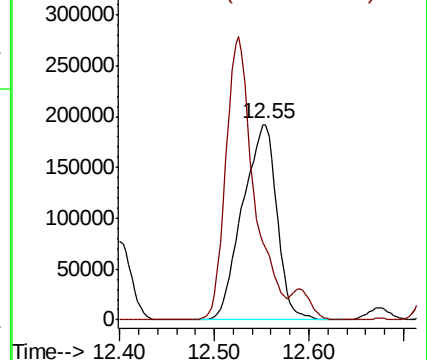
77 0.0 0.0 0.0

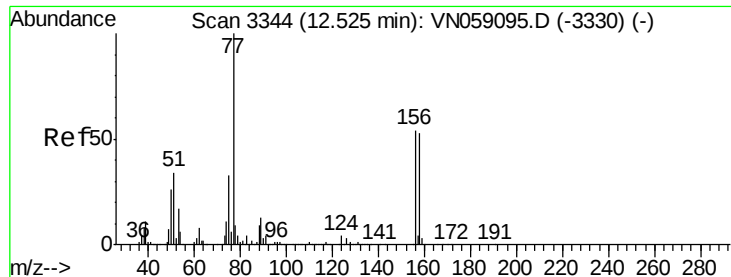


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

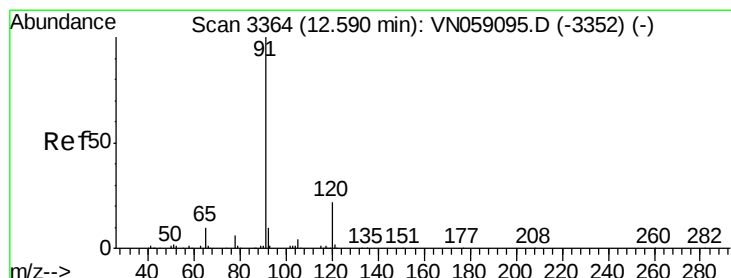
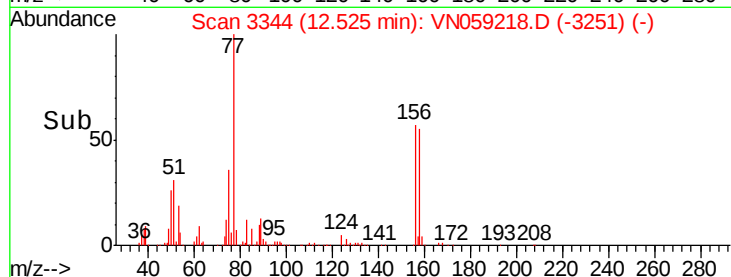
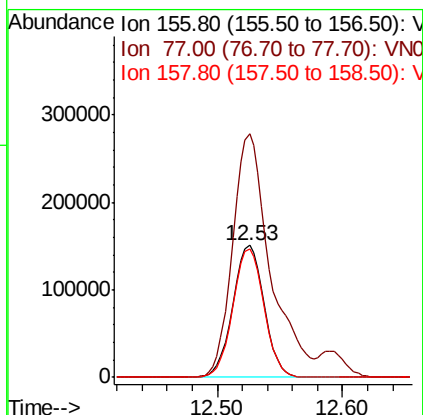
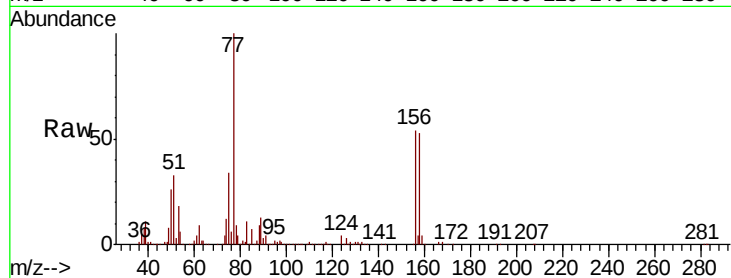




#77
Bromobenzene
Concen: 49.585 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

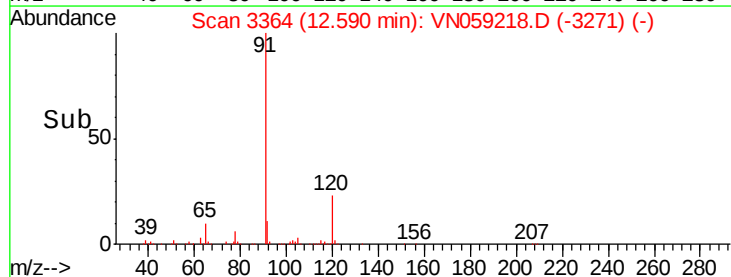
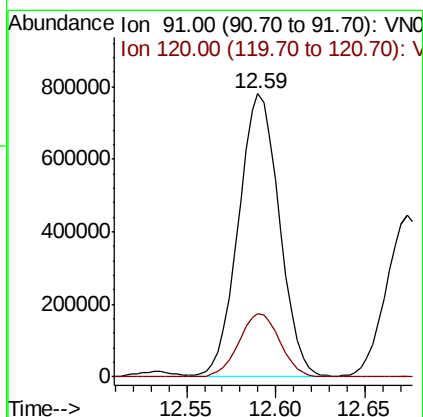
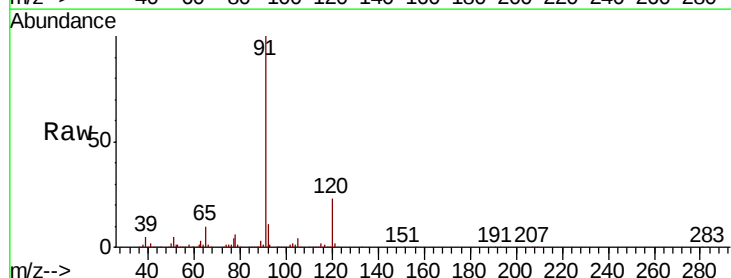
Instrument :
MSVOA_N
ClientSampleId :

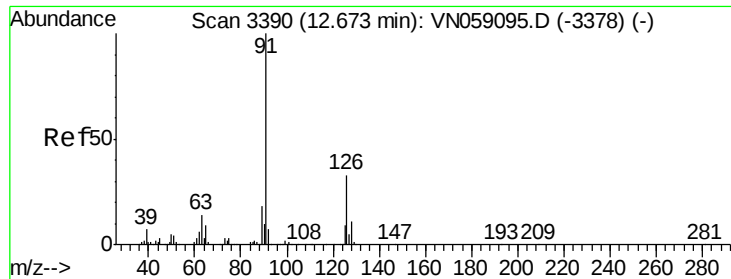
Tot Ion:156 Resp: 261957
Ion Ratio Lower Upper
156 100
77 221.8 112.8 338.3
158 96.6 48.4 145.3



#78
n-propylbenzene
Concen: 51.860 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 91 Resp: 1248590
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.5

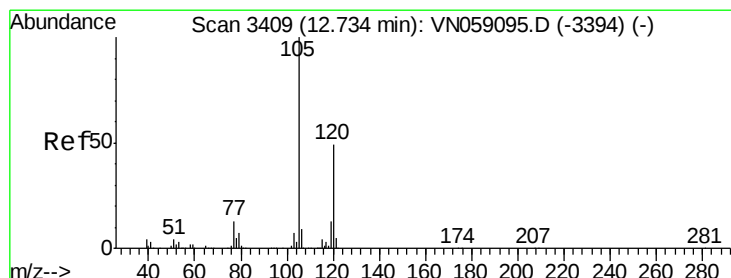
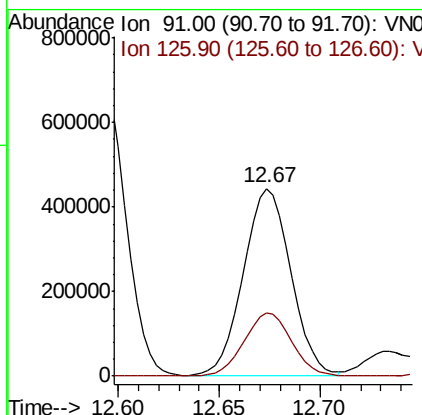
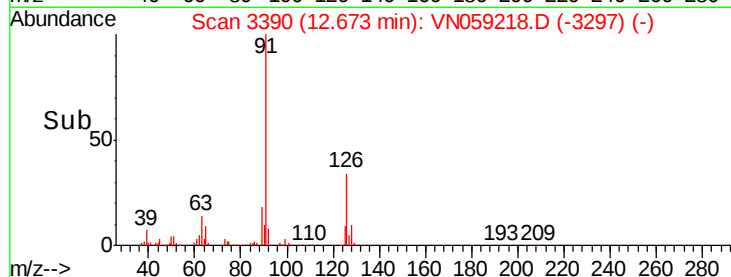
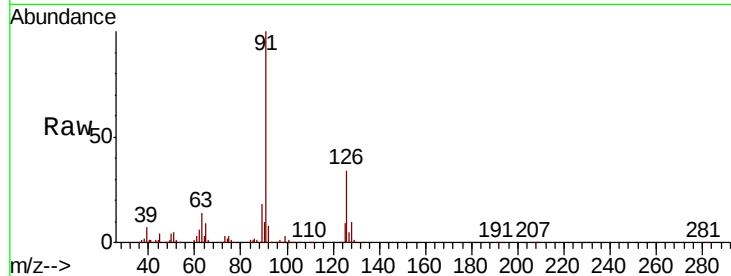




#79
 2-Chlorotoluene
 Concen: 49.178 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

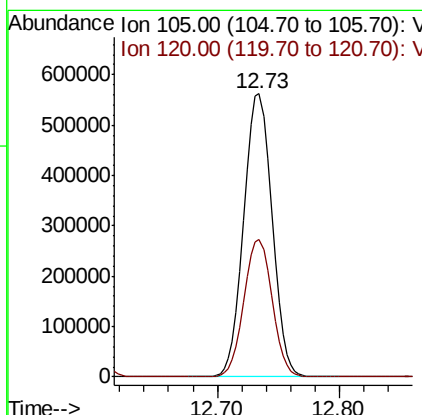
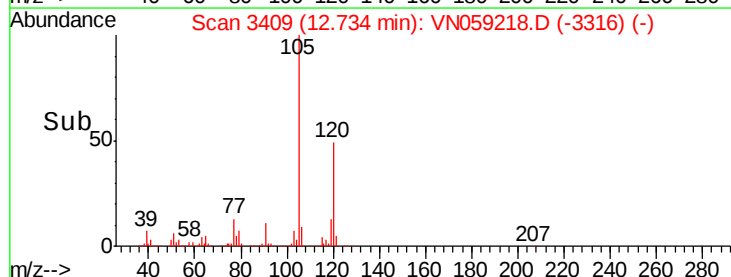
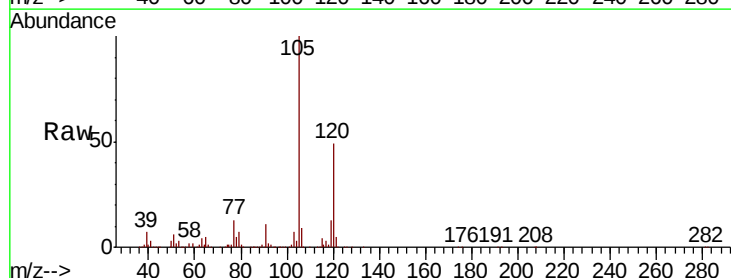
Instrument :
 MSVOA_N
 ClientSampled :

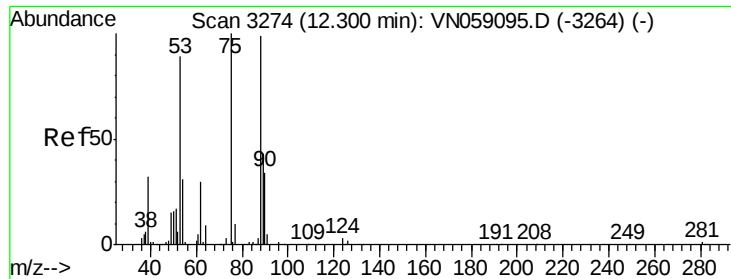
Tot Ion: 91 Resp: 734508
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.306 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion: 105 Resp: 896333
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.616 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampled :

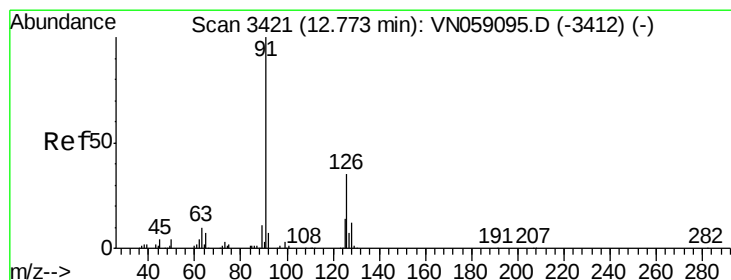
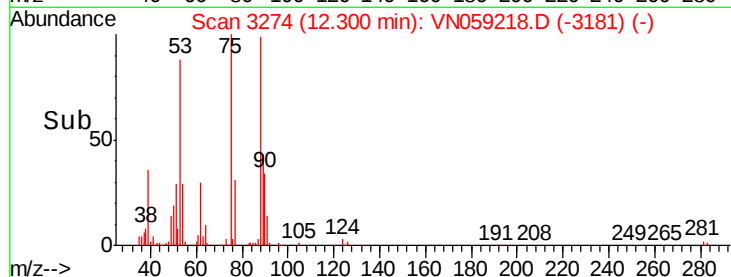
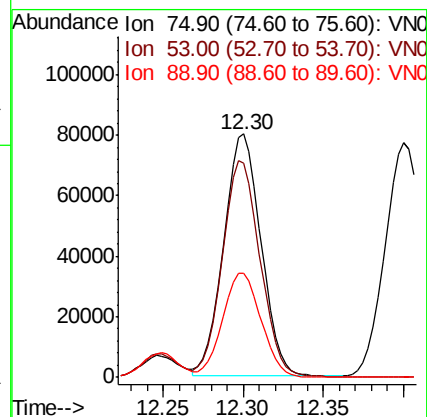
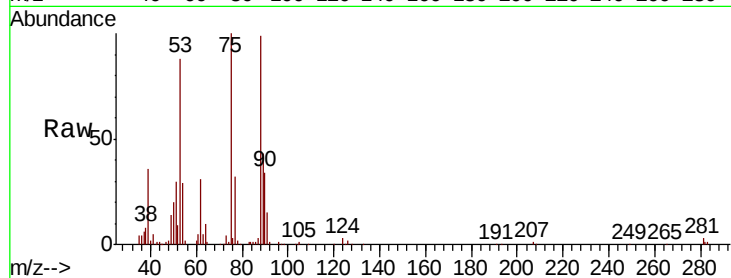
Tot Ion: 75 Resp: 128611

Ion Ratio Lower Upper

75 100

53 91.2 72.2 108.2

89 44.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 51.199 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059218.D

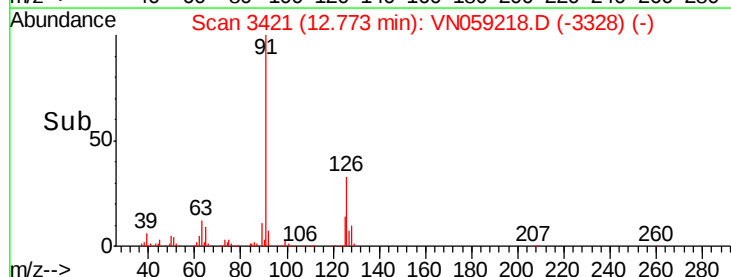
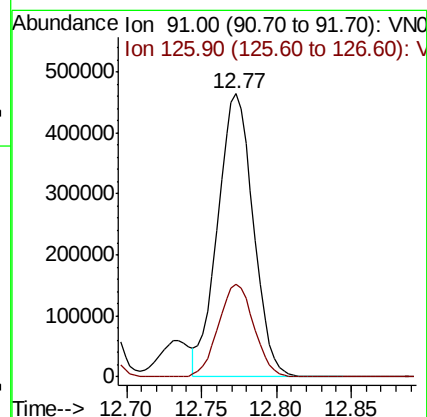
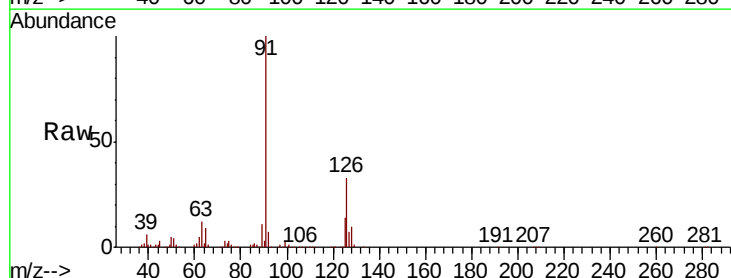
Acq: 14 Nov 2019 9:20

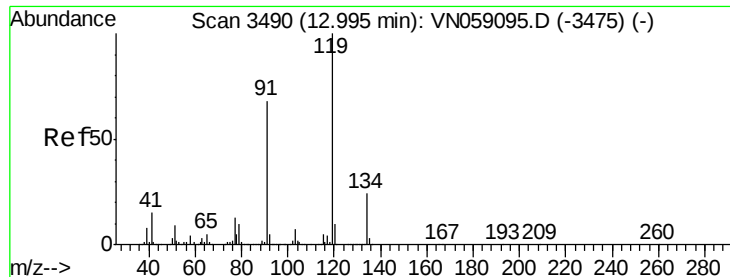
Tgt Ion: 91 Resp: 766976

Ion Ratio Lower Upper

91 100

126 32.8 16.1 48.2

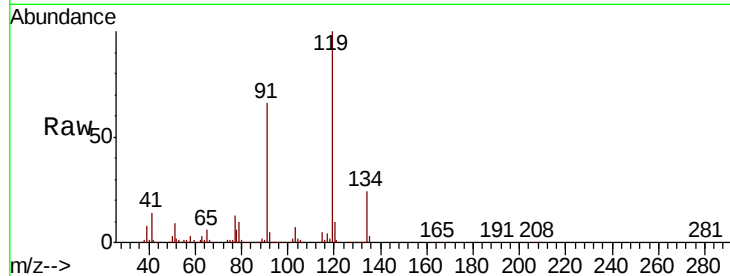




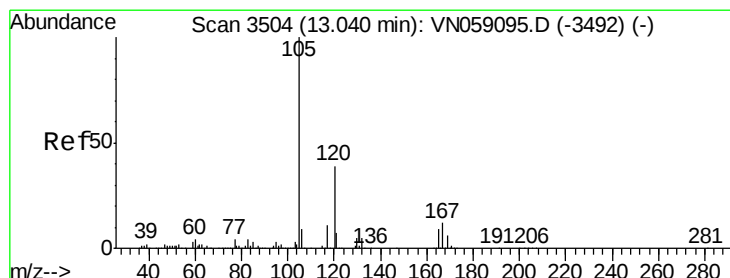
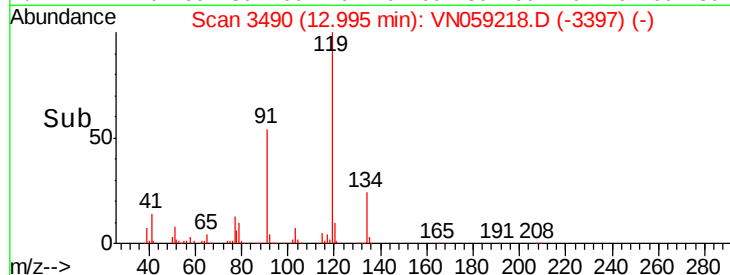
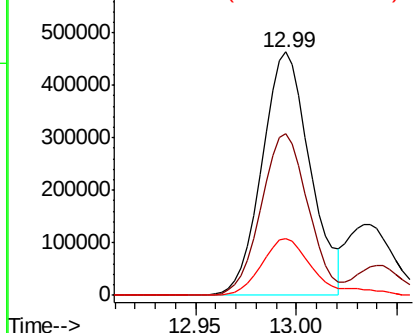
#83
 tert-Butylbenzene
 Concen: 49.871 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.2	99.6
134	25.5	12.7	38.1

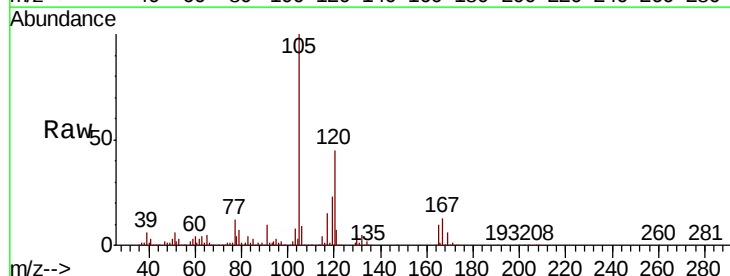


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

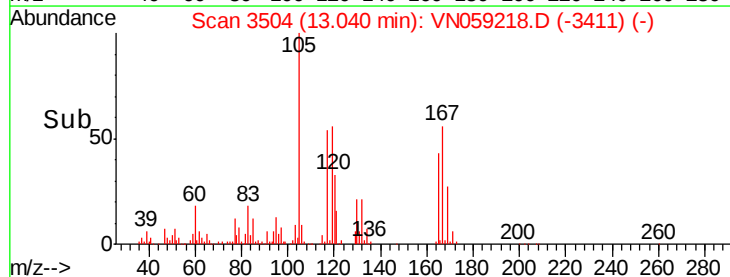
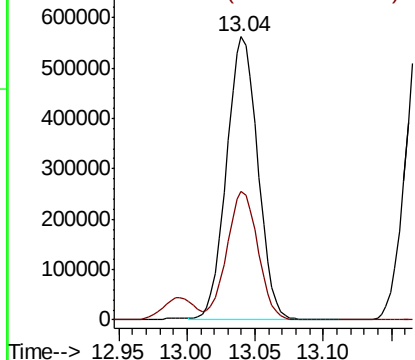


#84
 1,2,4-Trimethylbenzene
 Concen: 51.884 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

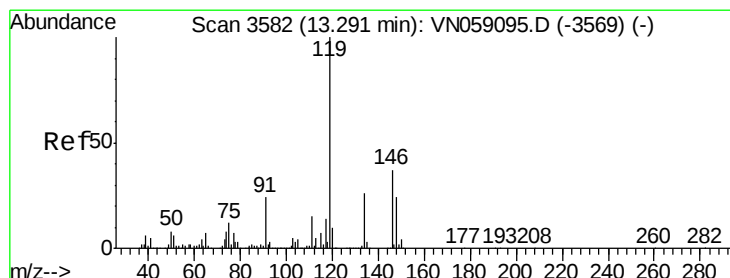
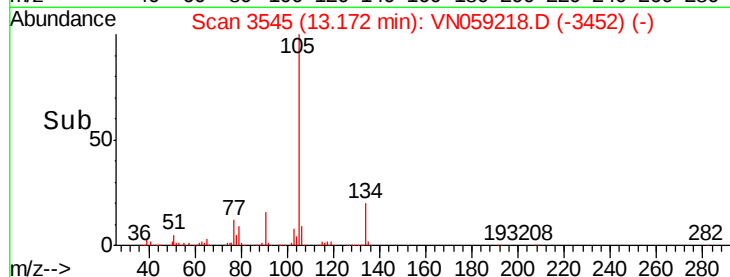
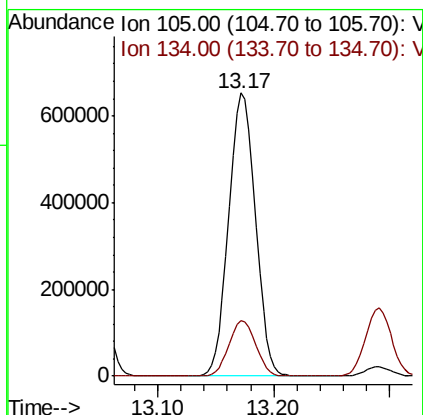
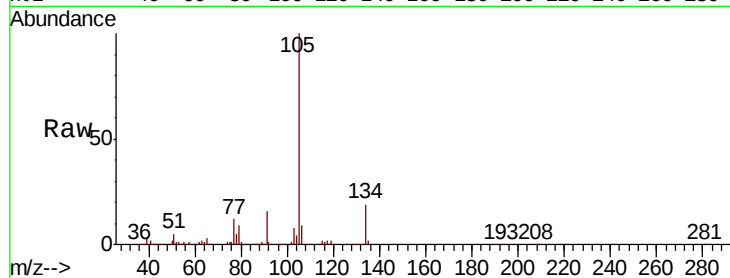




#85
 sec-Butylbenzene
 Concen: 51.878 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

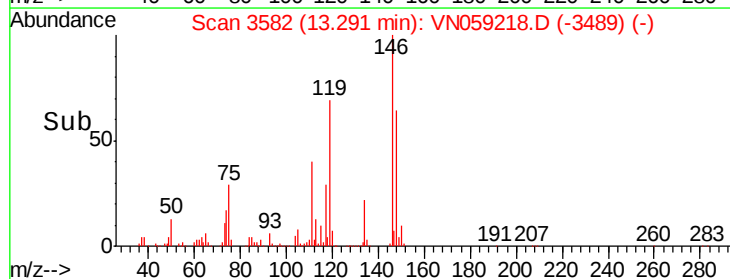
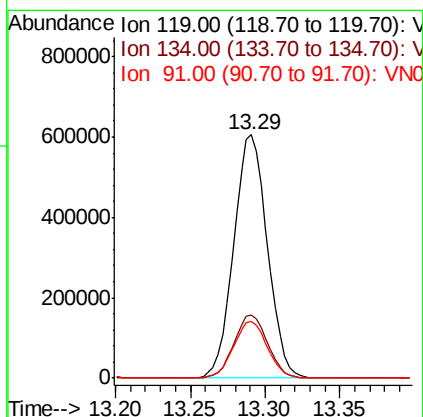
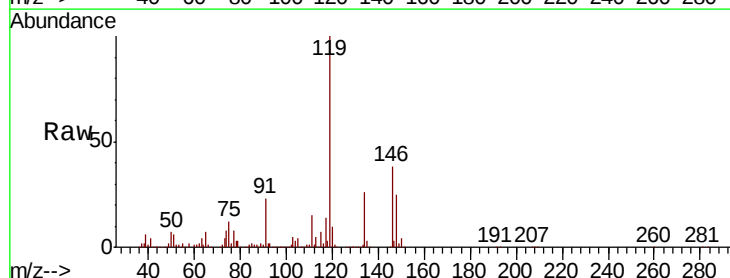
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 1038160
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 53.344 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion:119 Resp: 942559
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 51.737 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampleId :

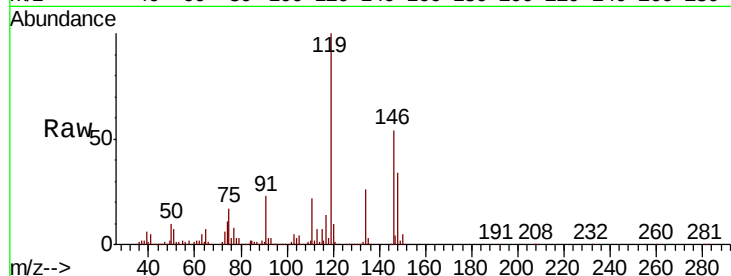
Tot Ion:146 Resp: 468041

Ion Ratio Lower Upper

146 100

111 40.8 20.4 61.3

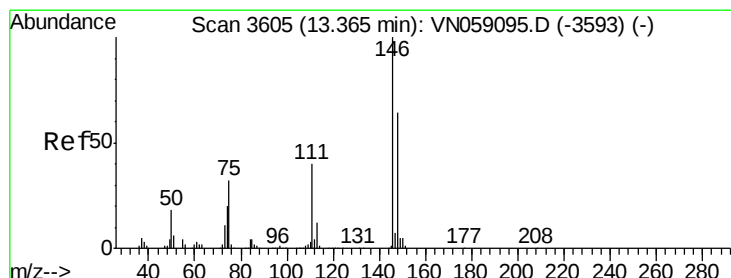
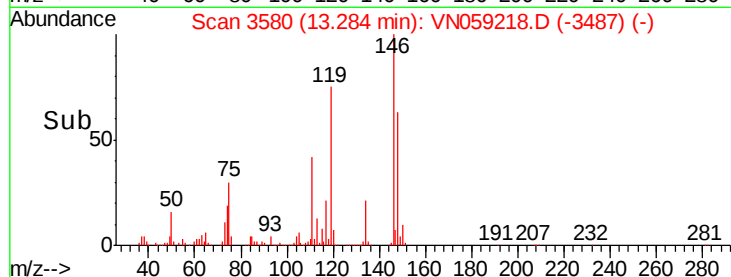
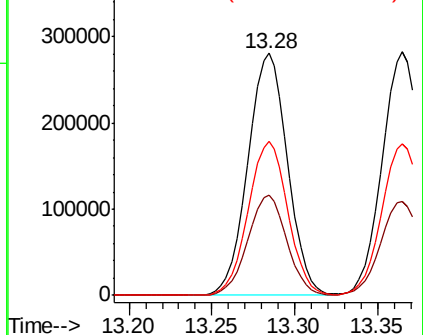
148 63.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.530 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

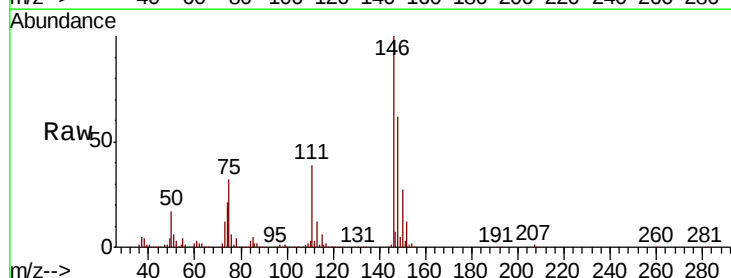
Tgt Ion:146 Resp: 466418

Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.9

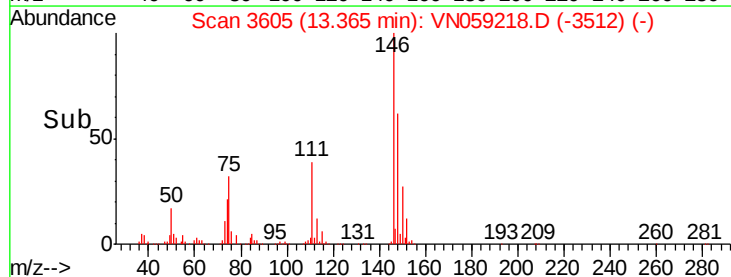
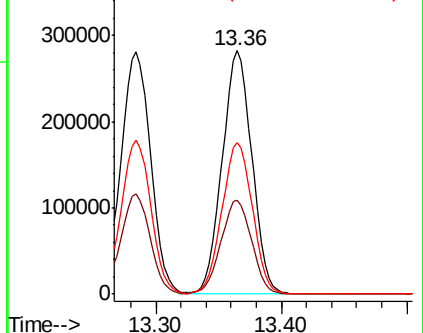
148 63.7 31.9 95.7



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

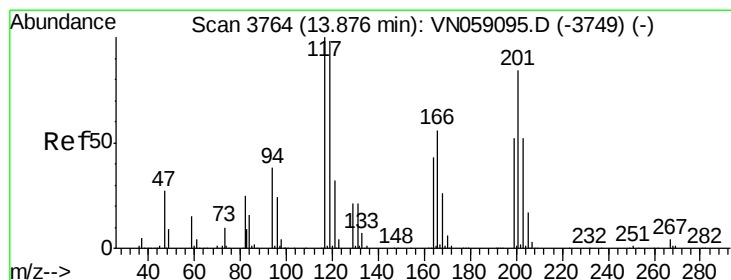
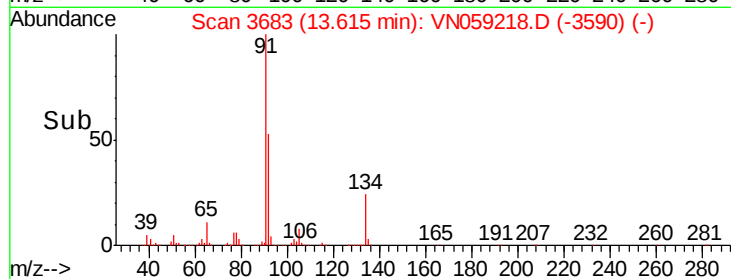
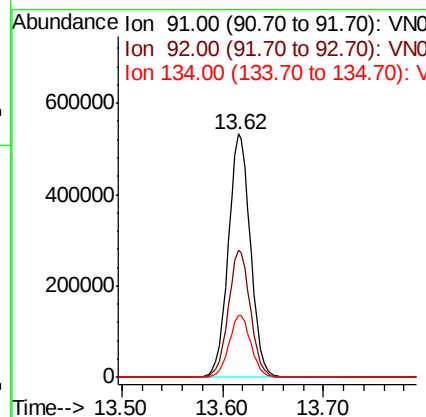
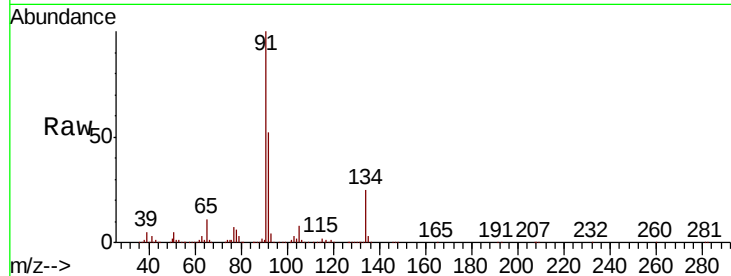




#89
n-Butylbenzene
Concen: 52.733 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

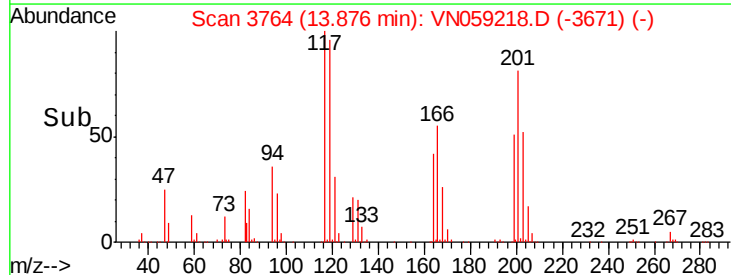
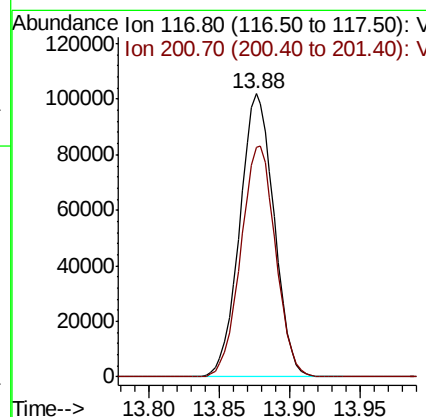
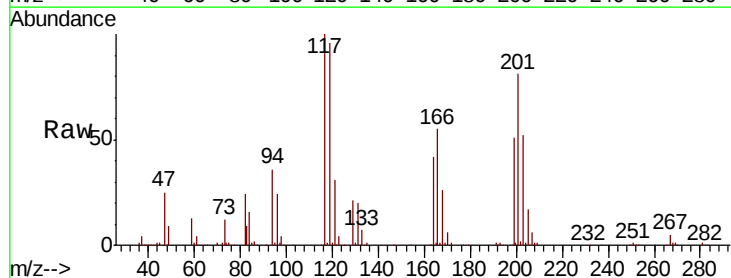
Instrument :
MSVOA_N
ClientSampleId :

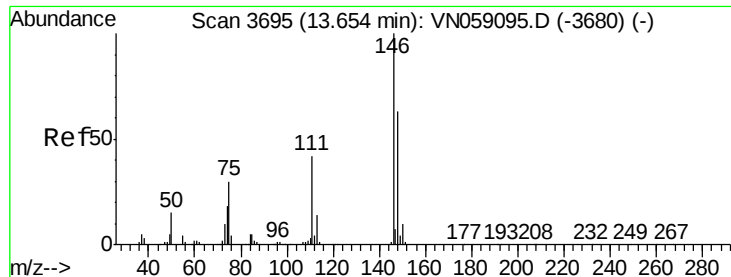
Tot Ion: 91 Resp: 815510
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.3
134 25.2 12.6 37.8



#90
Hexachloroethane
Concen: 48.906 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059218.D
Acq: 14 Nov 2019 9:20

Tgt Ion: 117 Resp: 173523
Ion Ratio Lower Upper
117 100
201 82.8 41.8 125.3

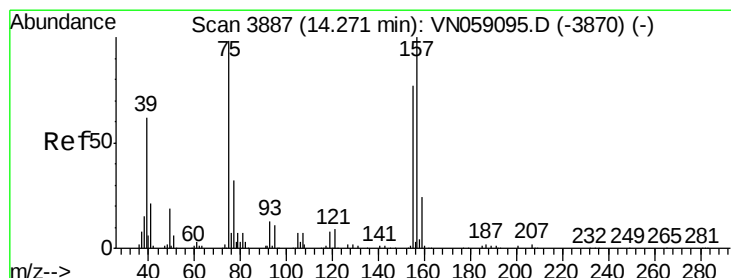
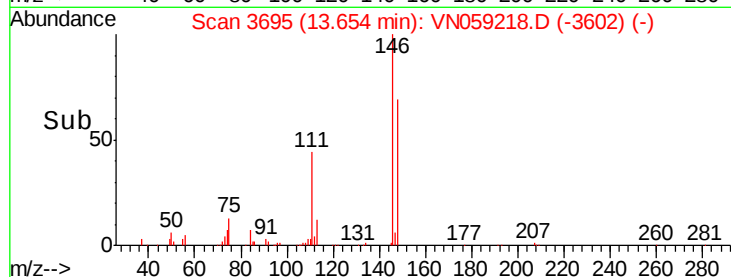
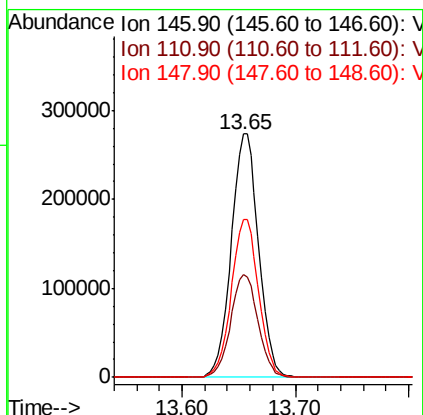
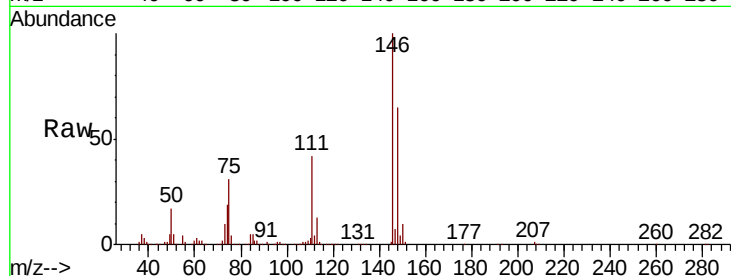




#91
 1,2-Dichlorobenzene
 Concen: 51.486 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

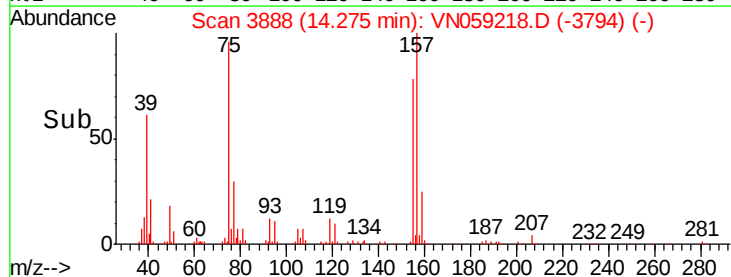
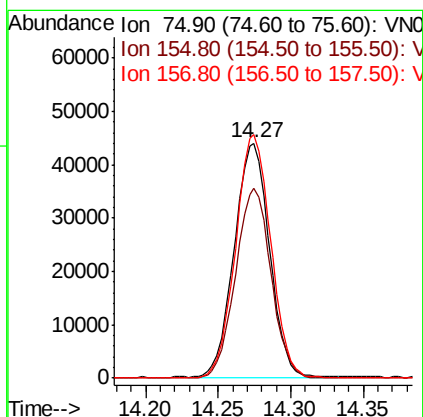
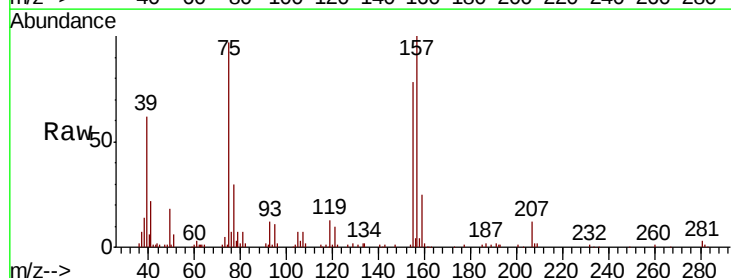
Instrument :
 MSVOA_N
 ClientSampleId :

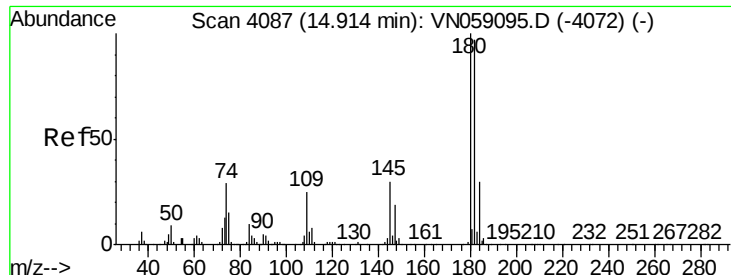
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.7	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.716 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.2	120.6
157	104.1	51.8	155.5

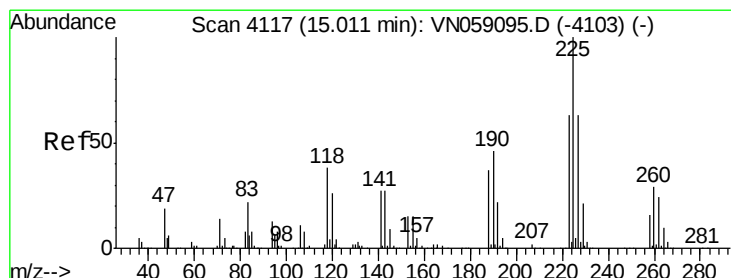
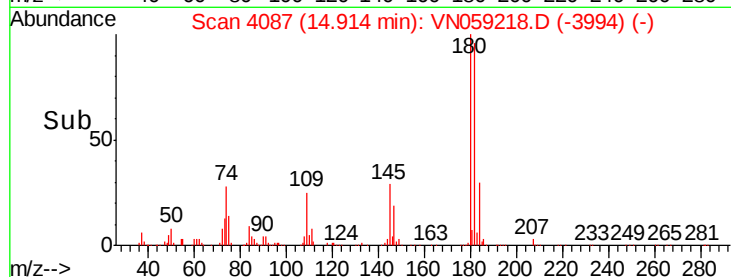
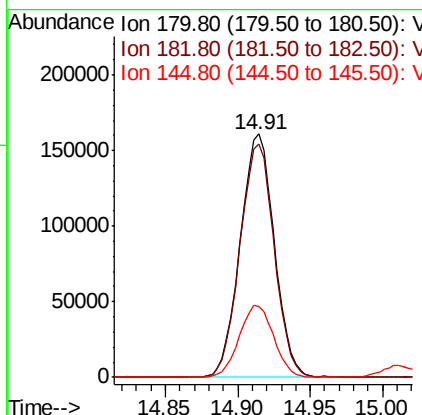
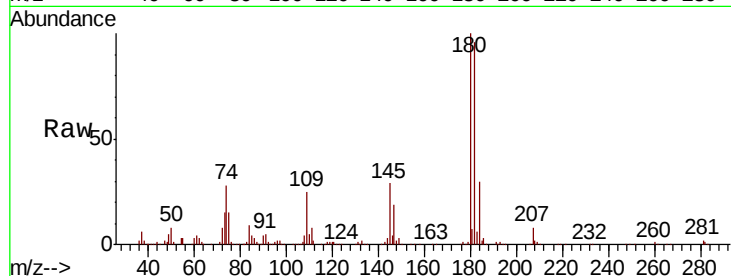




#93
 1,2,4-Trichlorobenzene
 Concen: 48.920 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

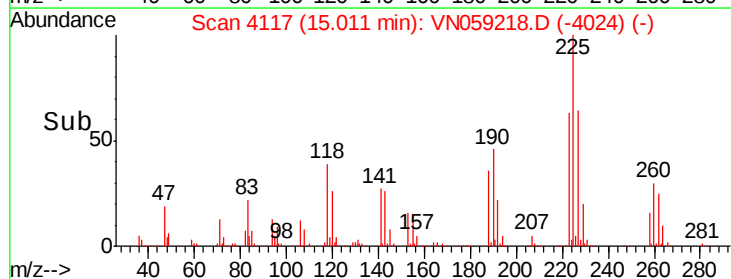
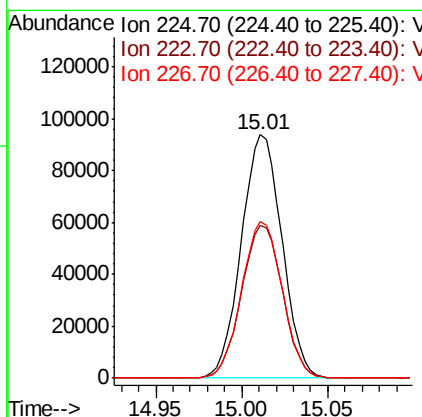
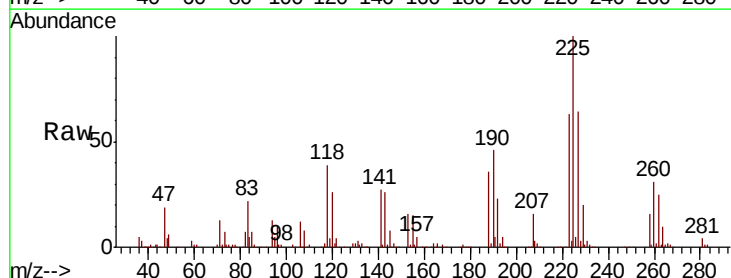
Instrument :
 MSVOA_N
 ClientSampled :

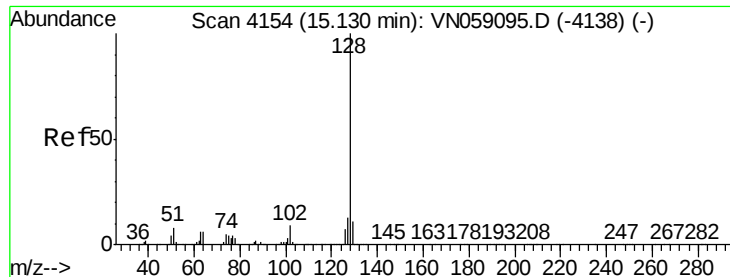
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.3
145	30.0	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 50.139 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059218.D
 Acq: 14 Nov 2019 9:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.9
227	64.1	31.5	94.5





#95

Naphthalene

Concen: 48.953 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

Instrument :

MSVOA_N

ClientSampled :

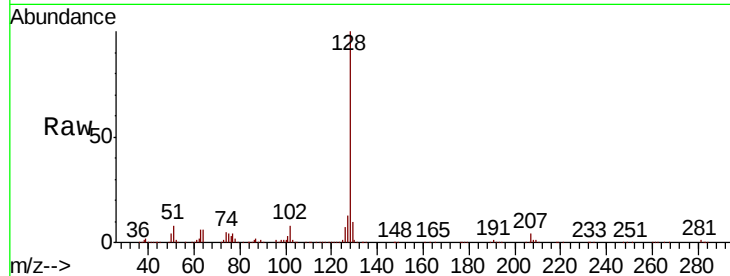
Tot Ion:128 Resp: 732292

Ion Ratio Lower Upper

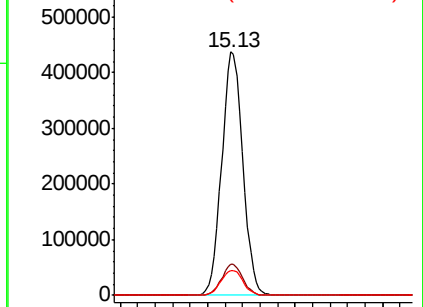
128 100

127 12.7 10.2 15.2

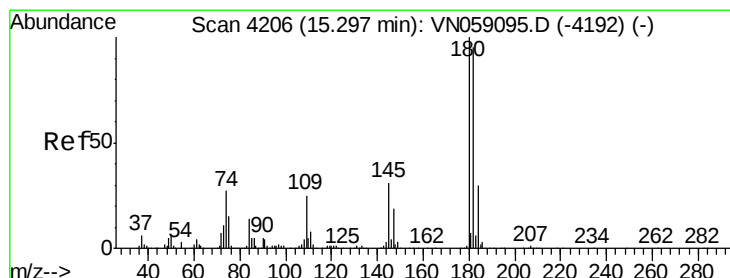
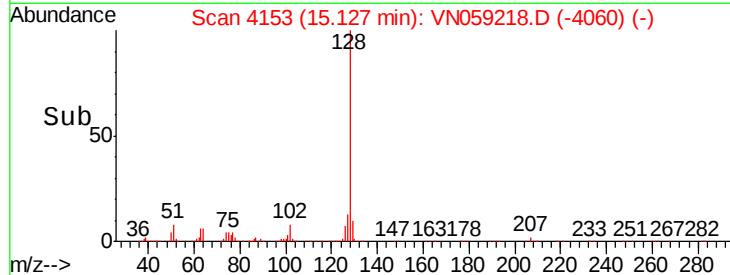
129 10.7 8.6 12.8



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



Time--> 15.00 15.10 15.20 15.30



#96

1,2,3-Trichlorobenzene

Concen: 53.513 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059218.D

Acq: 14 Nov 2019 9:20

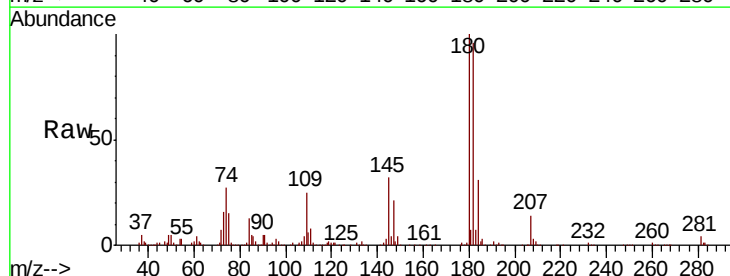
Tgt Ion:180 Resp: 266886

Ion Ratio Lower Upper

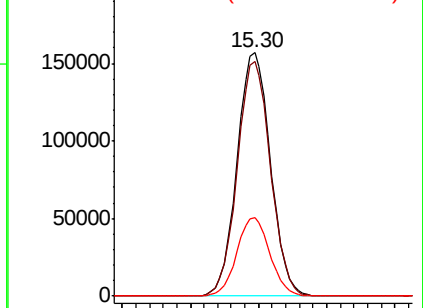
180 100

182 95.7 47.3 141.8

145 32.0 15.8 47.3



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



Time--> 15.20 15.25 15.30 15.35

