

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059658.D
 Acq On : 18 Dec 2019 18:38
 Operator : JC/SP
 Sample : VN1218MBSD02
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:31:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	235202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	381444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	350335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	173435	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.57	113	120482	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.08	98	479553	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	168960	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57324	18.861	ug/l	99
3) Chloromethane	2.04	50	82913	17.191	ug/l	99
4) Vinyl Chloride	2.17	62	89738	19.620	ug/l	99
5) Bromomethane	2.53	94	52343	19.686	ug/l	98
6) Chloroethane	2.67	64	52570	20.451	ug/l	98
7) Trichlorofluoromethane	2.99	101	90857	18.105	ug/l	98
8) Diethyl Ether	3.38	74	32164	20.513	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	49185	19.449	ug/l	99
10) Methyl Iodide	3.92	142	62528	18.677	ug/l	99
11) Tert butyl alcohol	4.75	59	59205	94.356	ug/l	98
12) 1,1-Dichloroethene	3.71	96	45692	18.522	ug/l	91
13) Acrolein	3.58	56	30168	67.496	ug/l	97
14) Allyl chloride	4.29	41	94389	18.638	ug/l	99
15) Acrylonitrile	4.95	53	151173	99.603	ug/l	99
16) Acetone	3.79	43	145427	71.569	ug/l	99
17) Carbon Disulfide	4.02	76	145803	17.735	ug/l	100
18) Methyl Acetate	4.29	43	80731	18.960	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	170453	19.569	ug/l	98
20) Methylene Chloride	4.52	84	56335	19.196	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	51333	18.666	ug/l	96
22) Diisopropyl ether	5.92	45	192283	20.595	ug/l	97
23) Vinyl Acetate	5.86	43	798698	109.008	ug/l	99
24) 1,1-Dichloroethane	5.82	63	105380	19.925	ug/l	100
25) 2-Butanone	6.81	43	213706	87.950	ug/l	100
26) 2,2-Dichloropropane	6.79	77	91204	18.974	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	58889	19.324	ug/l	97
28) Bromochloromethane	7.17	49	40655	18.591	ug/l	97
29) Tetrahydrofuran	7.18	42	145828	98.500	ug/l	97
30) Chloroform	7.35	83	102798	19.746	ug/l	99
31) Cyclohexane	7.63	56	96881	19.387	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	90065	19.190	ug/l	98
36) 1,1-Dichloropropene	7.77	75	77600	19.508	ug/l	99
37) Ethyl Acetate	6.90	43	91208	19.728	ug/l	100
38) Carbon Tetrachloride	7.75	117	79039	19.148	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	85068	18.853	ug/l	99
40) Benzene	8.02	78	229782	19.766	ug/l	99
41) Methacrylonitrile	7.18	41	132770	69.583	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	90011	20.218	ug/l	100
43) Isopropyl Acetate	8.14	43	140276	19.515	ug/l	99
44) Trichloroethene	8.82	130	57109	18.755	ug/l	100
45) 1,2-Dichloropropane	9.10	63	62848	20.020	ug/l	99
46) Dibromomethane	9.19	93	39427	19.171	ug/l	99
47) Bromodichloromethane	9.39	83	80542	19.642	ug/l	97
48) Methyl methacrylate	9.18	41	62388	19.130	ug/l	97
49) 1,4-Dioxane	9.18	88	18012	385.403	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	437415	102.063	ug/l	100
52) Toluene	10.14	92	138399	19.376	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	91725	19.342	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	97640	19.587	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	55271	19.720	ug/l	98
56) Ethyl methacrylate	10.42	69	79355	19.071	ug/l	99
57) 1,3-Dichloropropane	10.70	76	97596	19.998	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	148798	112.440	ug/l	98
59) 2-Hexanone	10.74	43	321734	95.252	ug/l	98
60) Dibromochloromethane	10.90	129	59326	19.393	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56585	19.036	ug/l	98
64) Tetrachloroethene	10.62	164	56251	17.224	ug/l	99
65) Chlorobenzene	11.43	112	145224	19.158	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	54818	19.039	ug/l	98
67) Ethyl Benzene	11.51	91	262760	19.203	ug/l	98
68) m/p-Xylenes	11.62	106	193759	38.348	ug/l	99
69) o-Xylene	11.94	106	91739	19.082	ug/l	99
70) Styrene	11.96	104	144335	18.686	ug/l	98
71) Bromoform	12.12	173	41368	19.113	ug/l #	98
73) Isopropylbenzene	12.25	105	250032	19.674	ug/l	99
74) N-amyl acetate	12.07	43	111453	19.118	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	80075	19.863	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	115992	28.942	ug/l #	100
77) Bromobenzene	12.52	156	59024	18.885	ug/l	98
78) n-propylbenzene	12.59	91	295413	19.664	ug/l	98
79) 2-Chlorotoluene	12.67	91	176314	19.409	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	210410	19.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	29658	18.277	ug/l	96
82) 4-Chlorotoluene	12.77	91	181875	19.554	ug/l	99
83) tert-Butylbenzene	12.99	119	175732	19.294	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	207841	19.435	ug/l	100
85) sec-Butylbenzene	13.17	105	237090	19.569	ug/l	100
86) p-Isopropyltoluene	13.29	119	210351	19.170	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	108102	18.810	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	106901	18.449	ug/l	100
89) n-Butylbenzene	13.61	91	184812	17.965	ug/l	100
90) Hexachloroethane	13.87	117	40870	19.705	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	105774	18.662	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19451	18.331	ug/l	93

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
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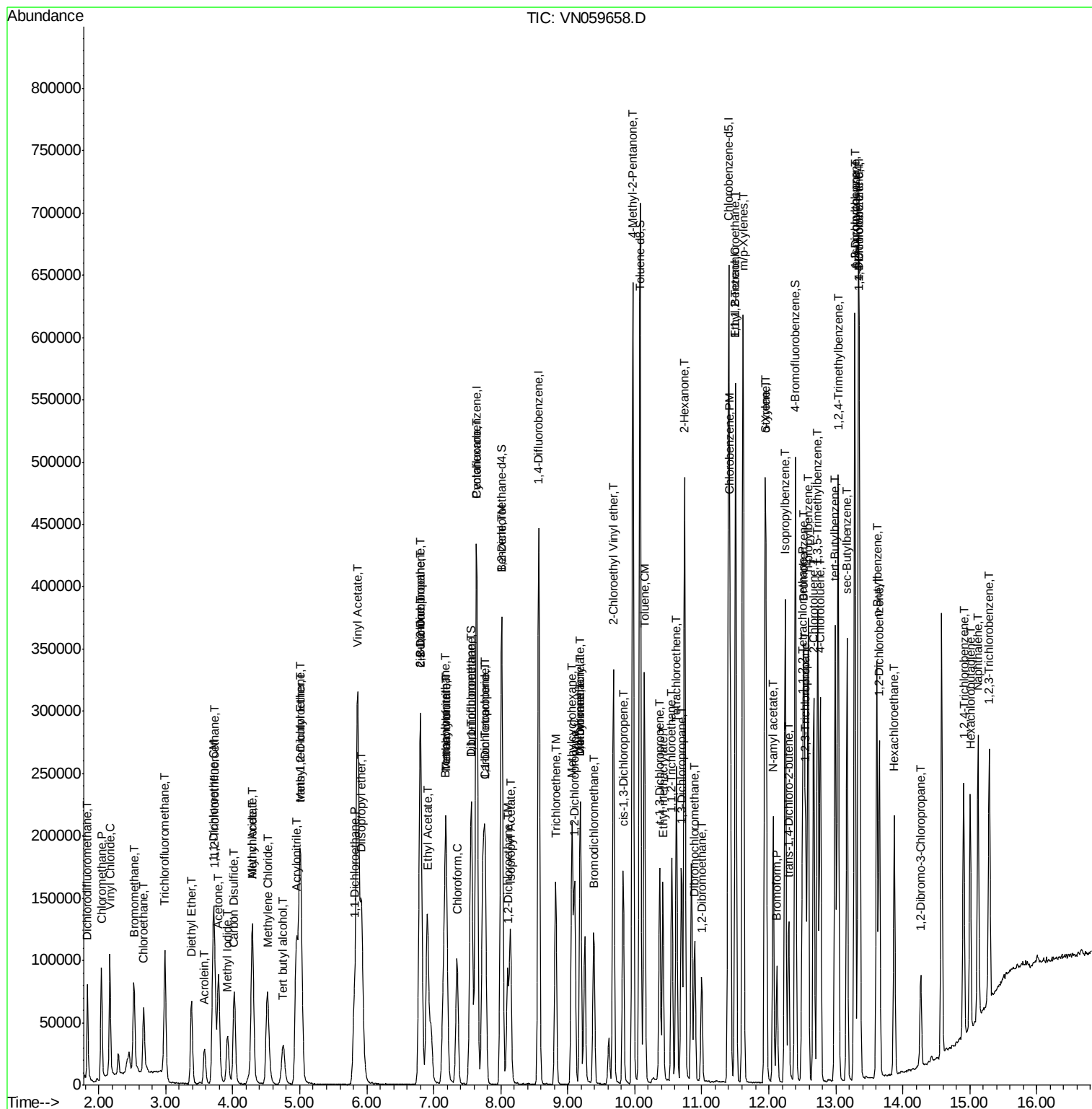
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60694	16.583	ug/l	98
94) Hexachlorobutadiene	15.00	225	32772	17.567	ug/l	99
95) Naphthalene	15.12	128	178422	16.330	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	61722	16.674	ug/l	100

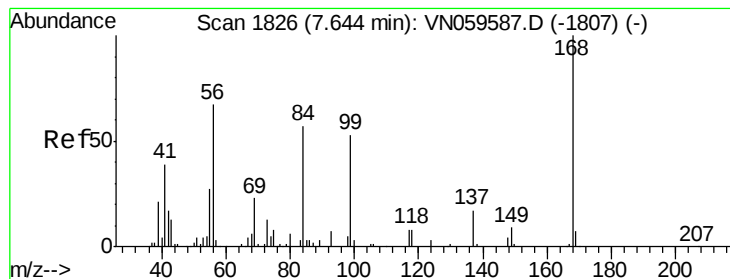
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121819\
Data File : VN059658.D
Acq On : 18 Dec 2019 18:38
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Sample : VN1218MBS02
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 19 04:31:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

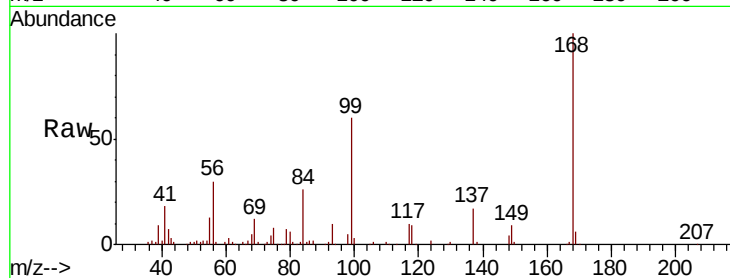
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 235202

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

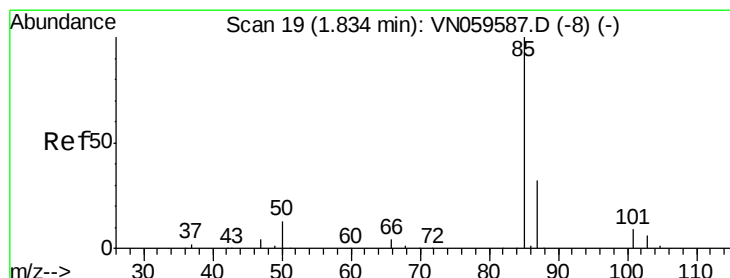
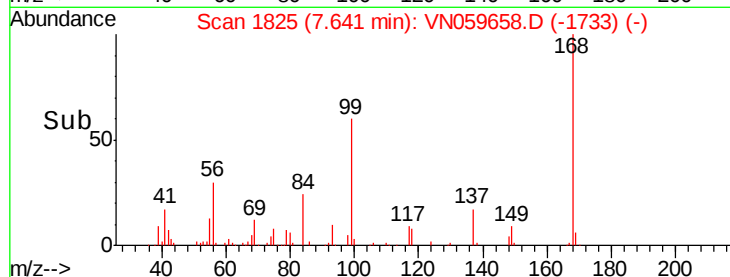
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.861 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059658.D

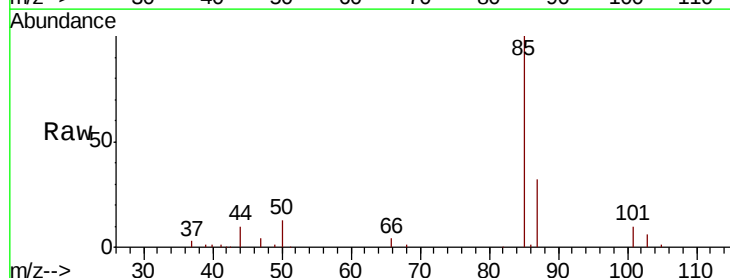
Acq: 18 Dec 2019 18:38

Tgt Ion: 85 Resp: 57324

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

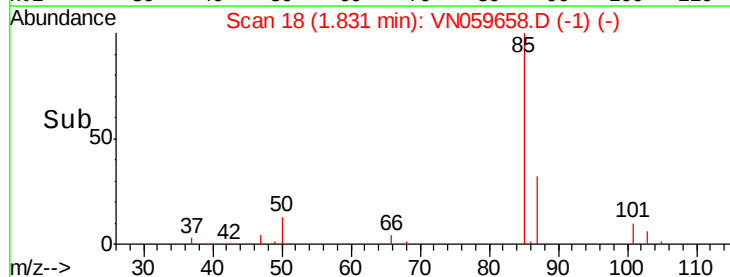
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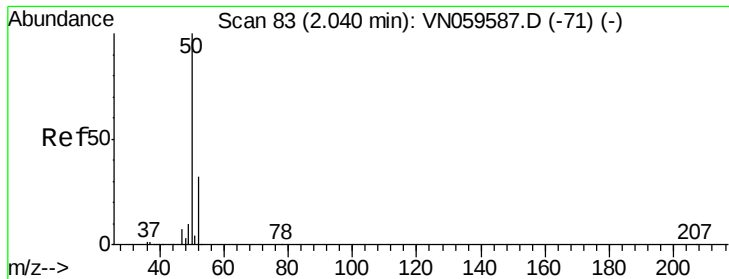
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.191 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

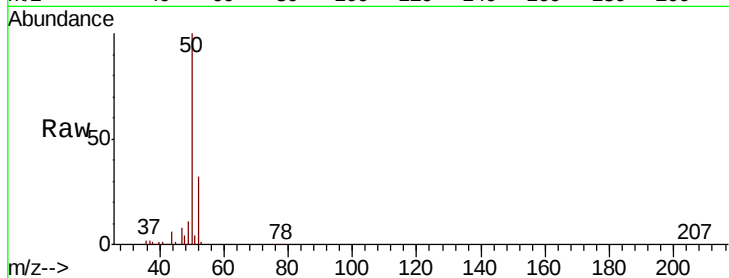
ClientSampled :

Tot Ion: 50 Resp: 82913

Ion Ratio Lower Upper

50 100

52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN059587.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059587.D (-71) (-)

2.04

60000

50000

40000

30000

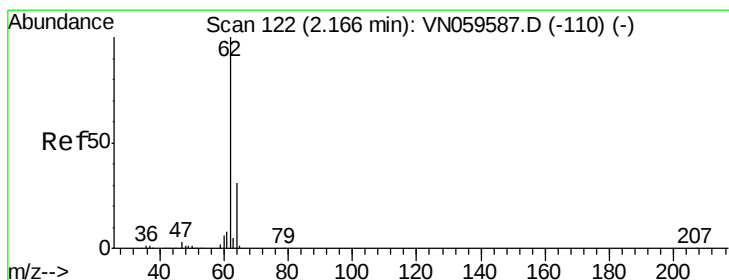
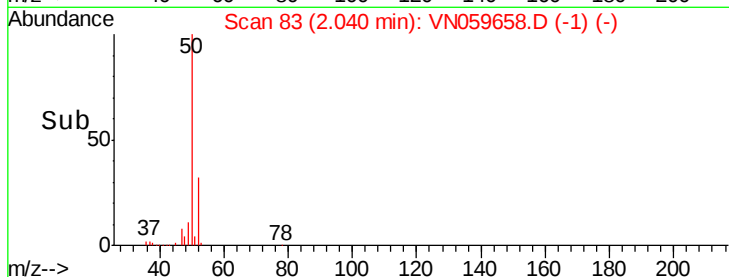
20000

10000

0

Time-->

1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.620 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059658.D

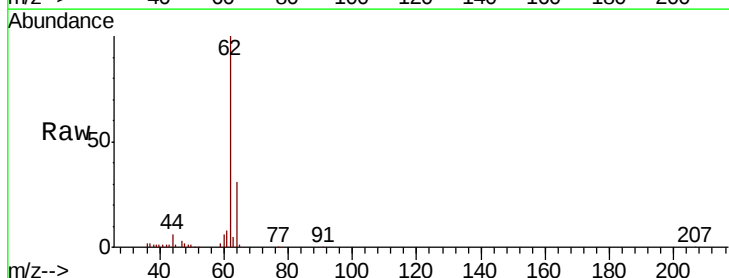
Acq: 18 Dec 2019 18:38

Tgt Ion: 62 Resp: 89738

Ion Ratio Lower Upper

62 100

64 31.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059587.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059587.D (-110) (-)

2.17

60000

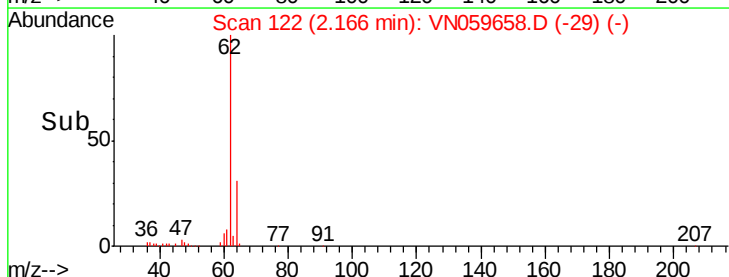
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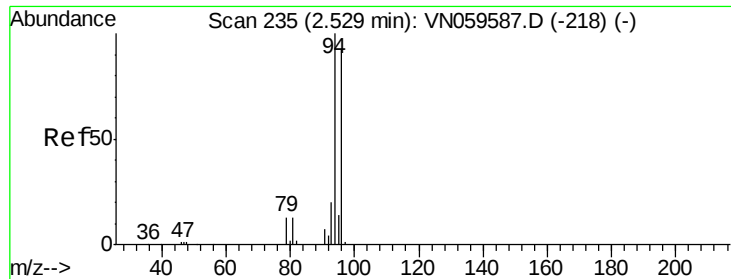
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.686 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

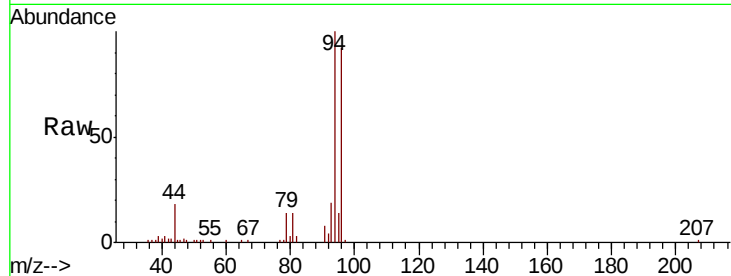
ClientSampleId :

Tot Ion: 94 Resp: 52343

Ion Ratio Lower Upper

94 100

96 91.8 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN059658.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059658.D (-218) (-)

2.53

25000

20000

15000

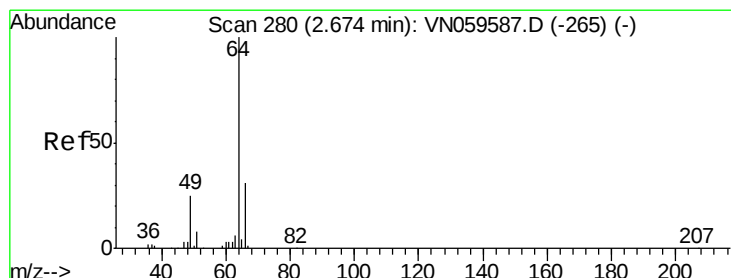
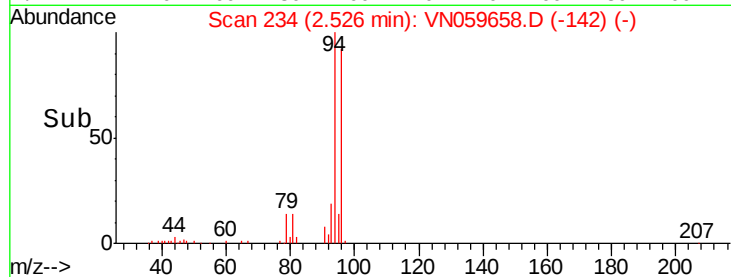
10000

5000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.451 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN059658.D

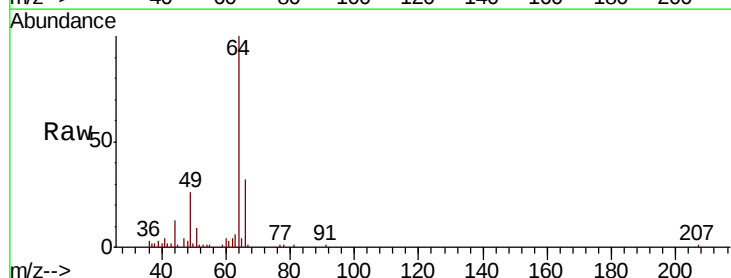
Acq: 18 Dec 2019 18:38

Tgt Ion: 64 Resp: 52570

Ion Ratio Lower Upper

64 100

66 32.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN059658.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN059658.D (-265) (-)

2.67

25000

20000

15000

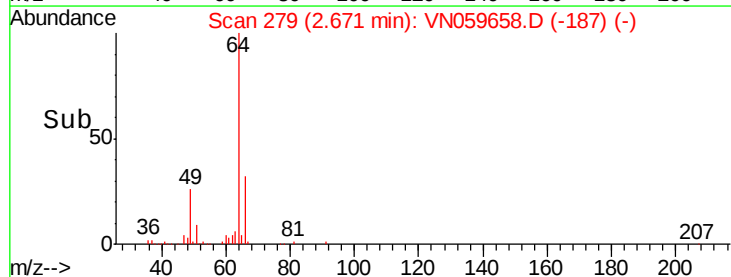
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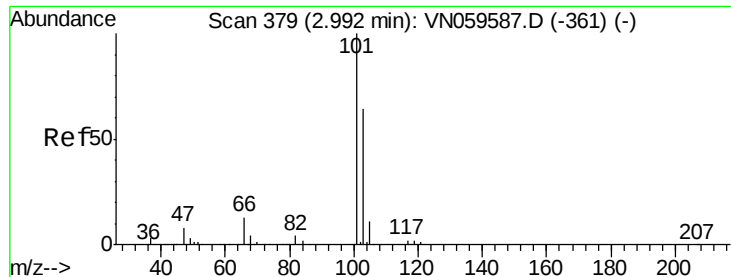
5000

0

2.60 2.70 2.80

Time-->



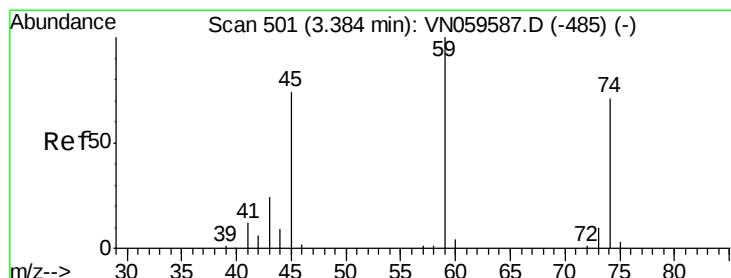
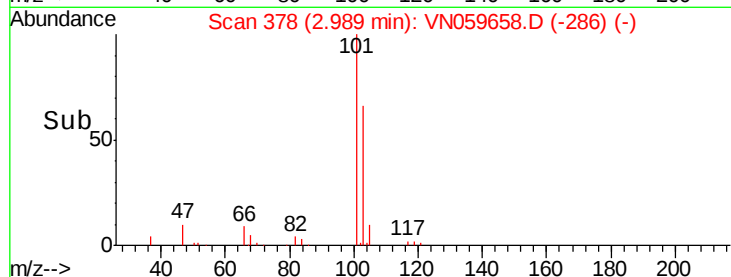
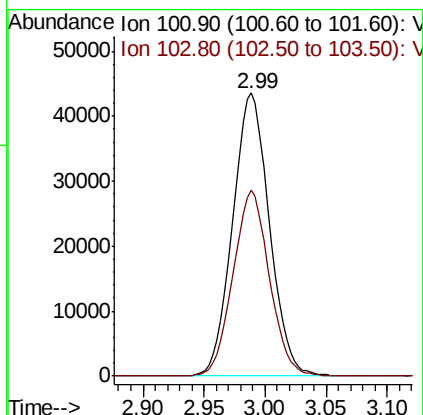
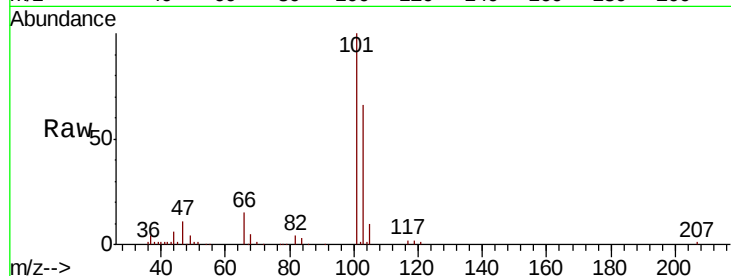


#7

Trichlorofluoromethane
 Concen: 18.105 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :

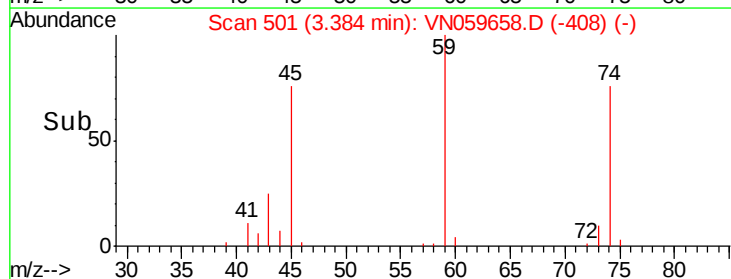
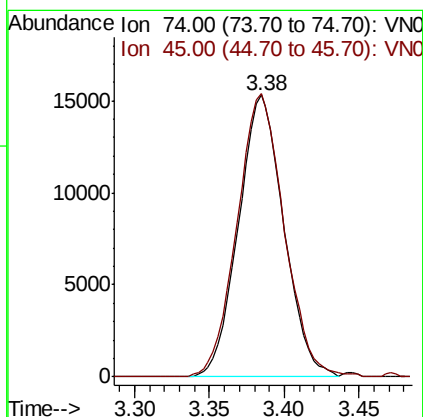
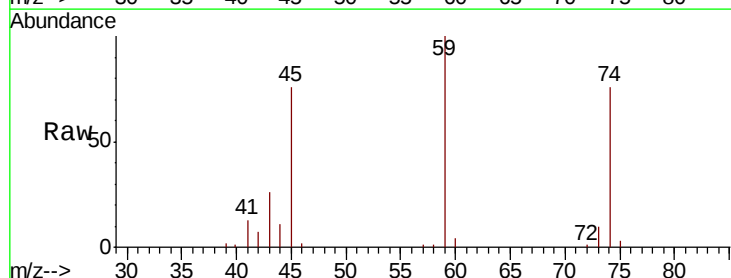
Tot Ion:101 Resp: 90857
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.0 76.6

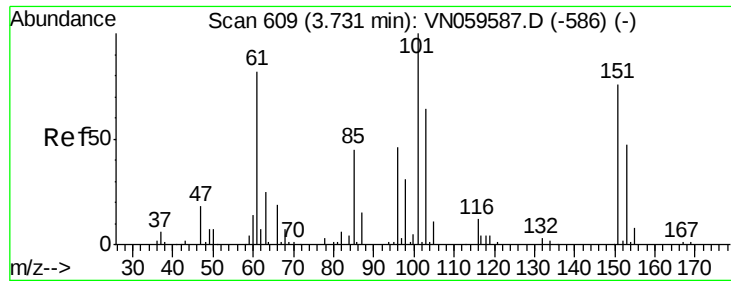


#8

Diethyl Ether
 Concen: 20.513 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Tgt Ion: 74 Resp: 32164
 Ion Ratio Lower Upper
 74 100
 45 104.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.449 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

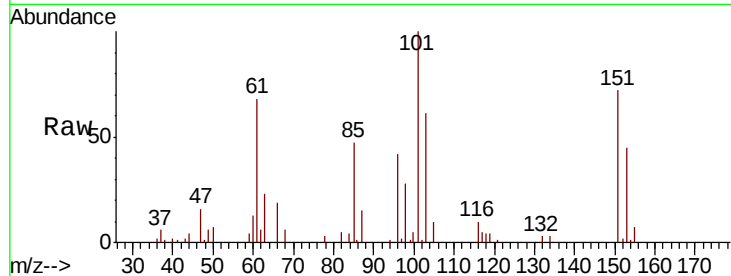
Tot Ion:101 Resp: 49185

Ion Ratio Lower Upper

101 100

85 45.9 36.6 54.8

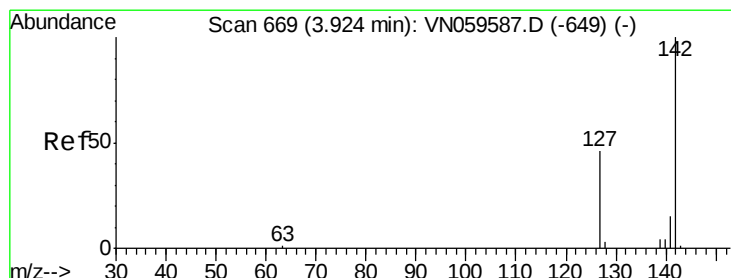
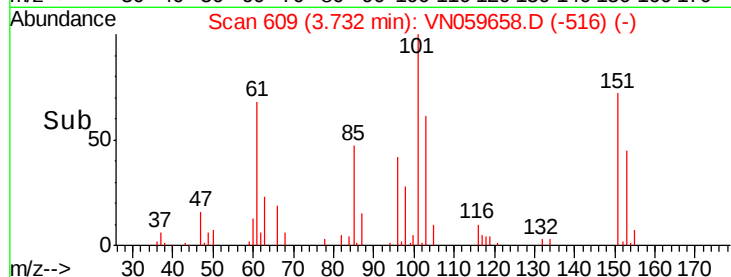
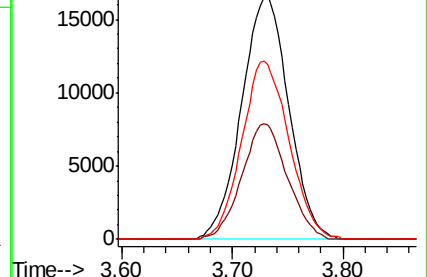
151 73.4 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.677 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

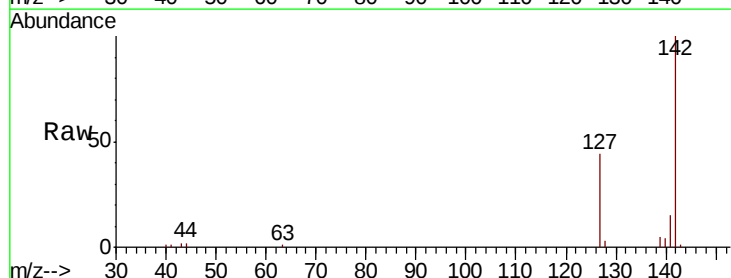
Tgt Ion:142 Resp: 62528

Ion Ratio Lower Upper

142 100

127 45.5 36.7 55.1

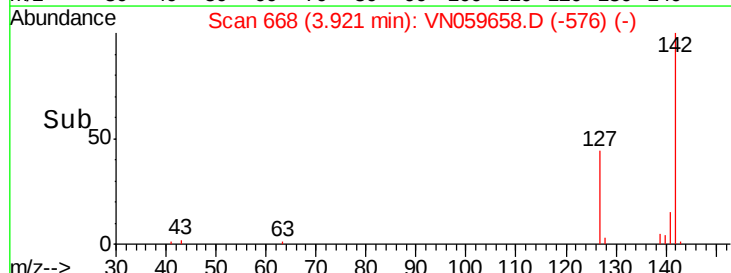
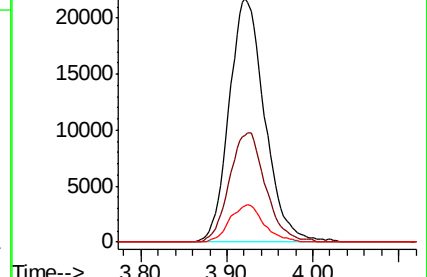
141 14.8 11.7 17.5

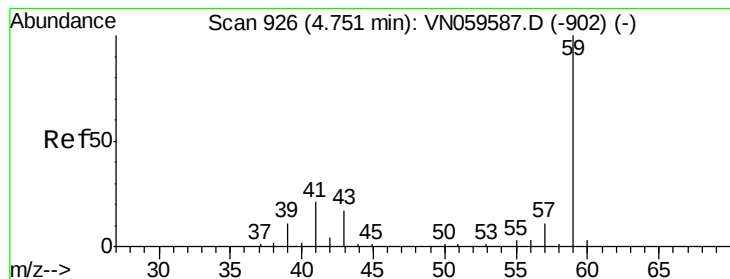


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.356 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

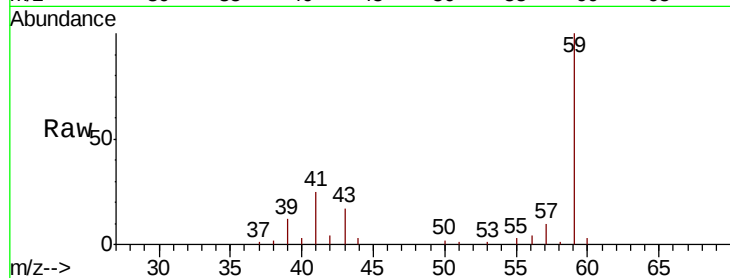
ClientSampleId :

Tot Ion: 59 Resp: 59205

Ion Ratio Lower Upper

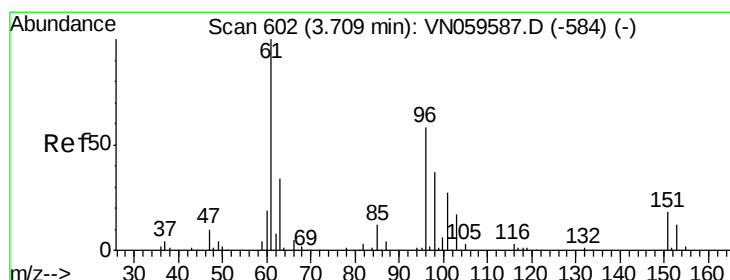
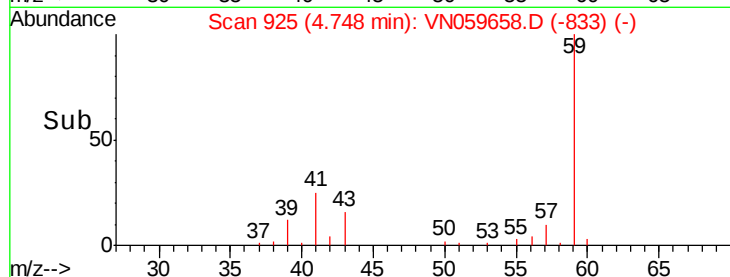
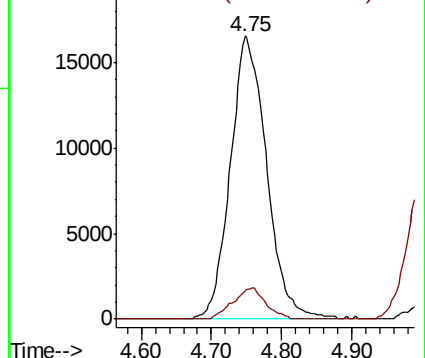
59 100

57 10.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.522 ug/l

RT: 3.71 min Scan# 602

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

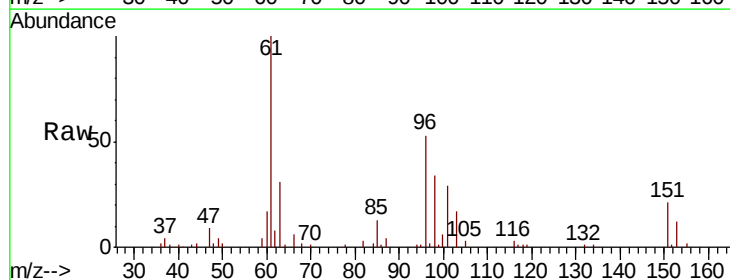
Tgt Ion: 96 Resp: 45692

Ion Ratio Lower Upper

96 100

61 187.3 137.5 206.3

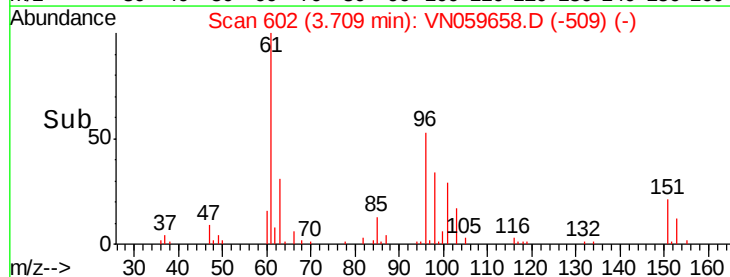
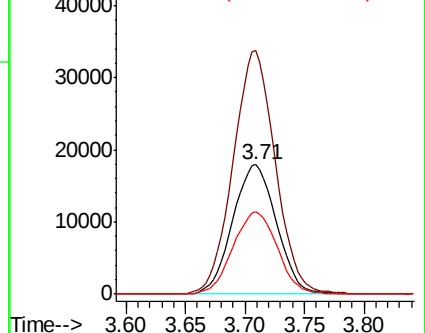
98 63.8 50.2 75.4

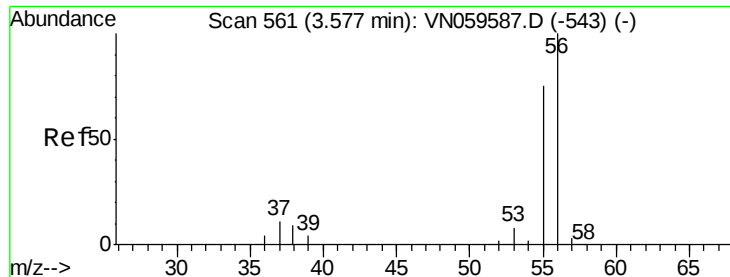


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 67.496 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

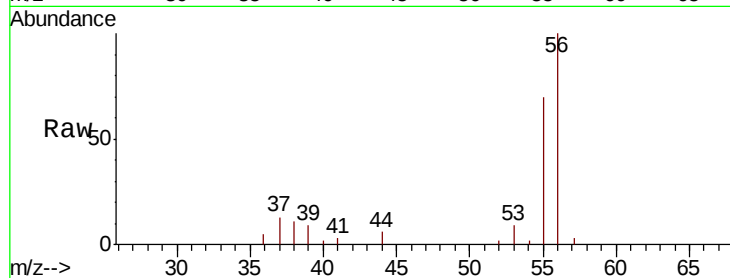
ClientSampled :

Tot Ion: 56 Resp: 30168

Ion Ratio Lower Upper

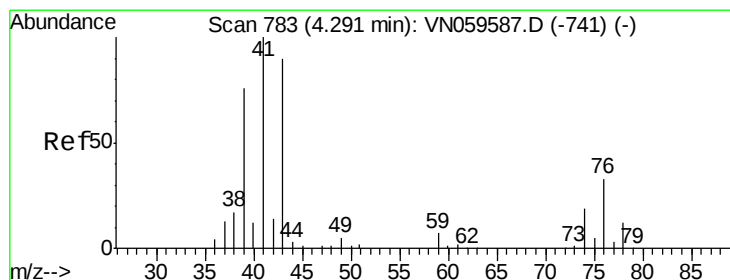
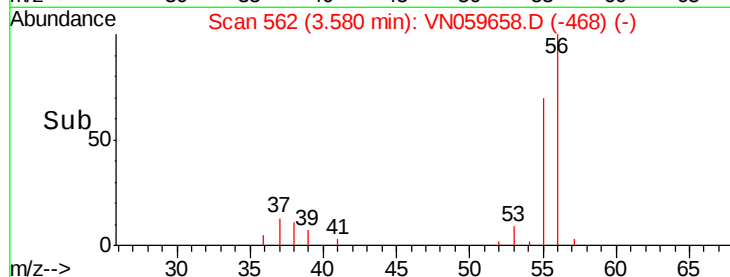
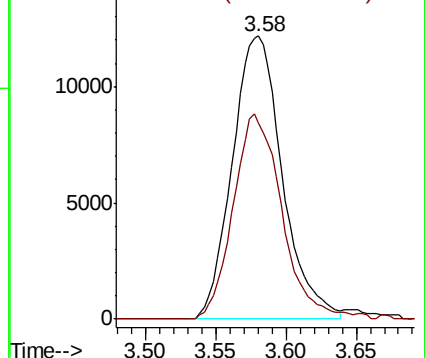
56 100

55 70.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.638 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

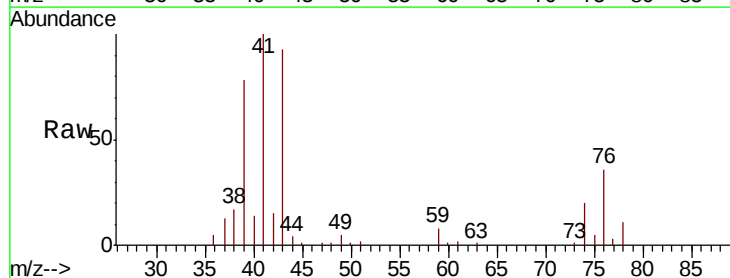
Tgt Ion: 41 Resp: 94389

Ion Ratio Lower Upper

41 100

39 71.9 57.8 86.8

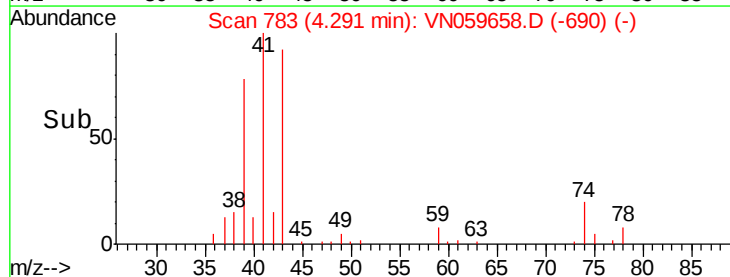
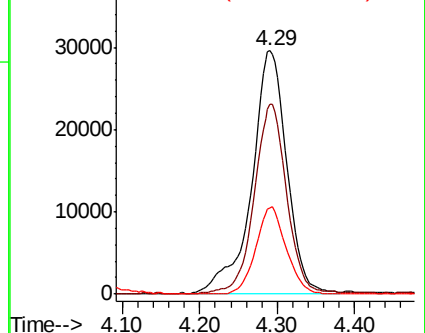
76 30.8 25.4 38.0

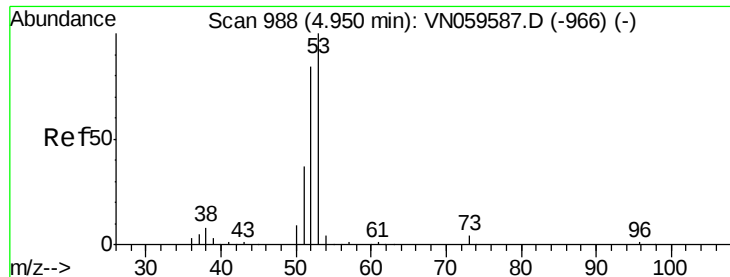


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.603 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

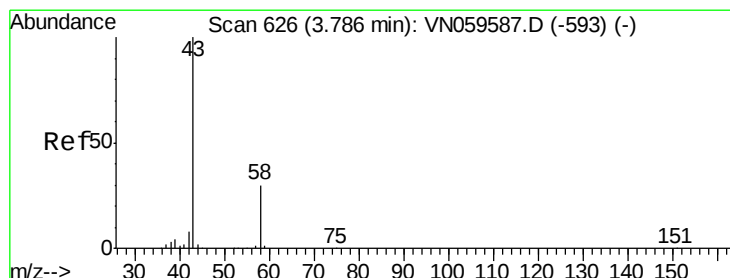
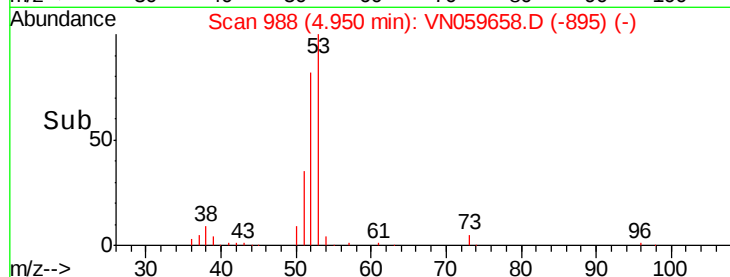
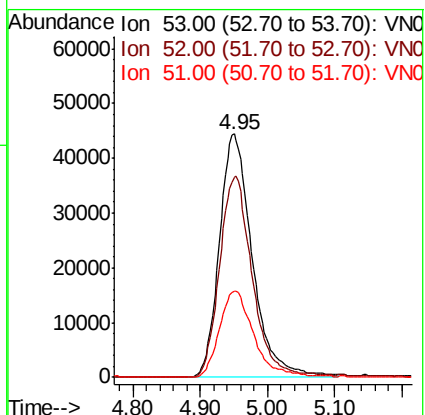
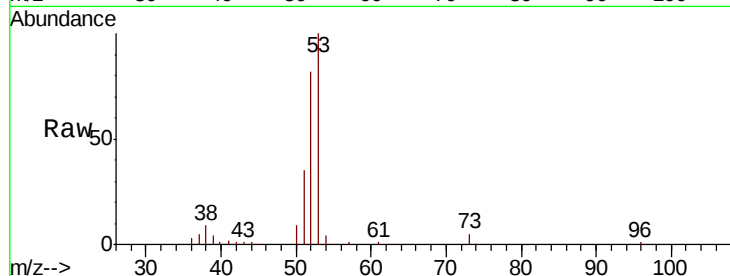
Tot Ion: 53 Resp: 151173

Ion Ratio Lower Upper

53 100

52 81.5 66.3 99.5

51 36.9 29.7 44.5



#16

Acetone

Concen: 71.569 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059658.D

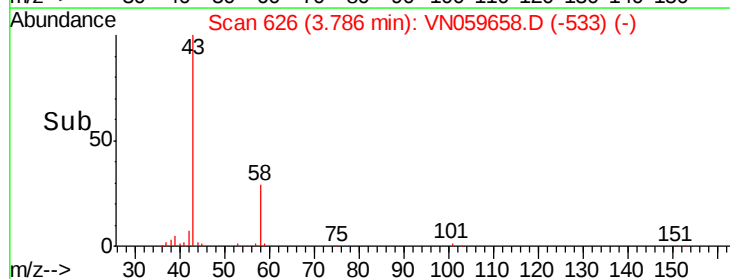
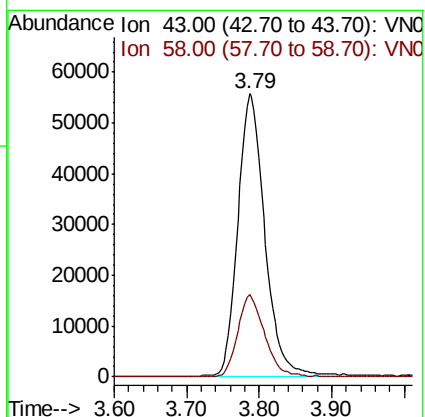
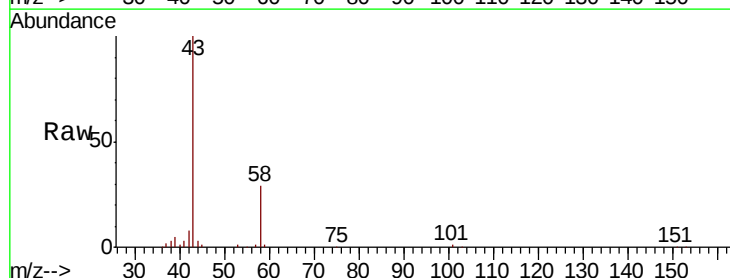
Acq: 18 Dec 2019 18:38

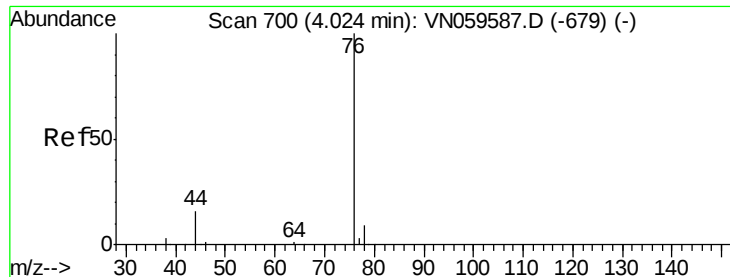
Tgt Ion: 43 Resp: 145427

Ion Ratio Lower Upper

43 100

58 29.0 23.6 35.4

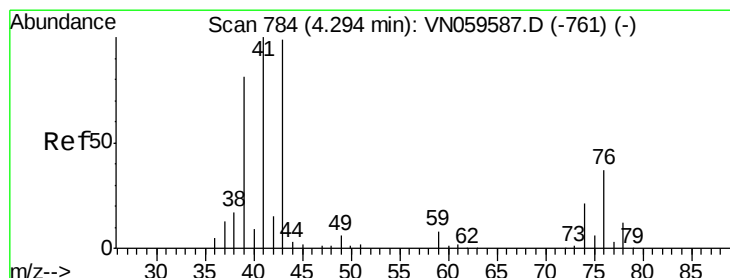
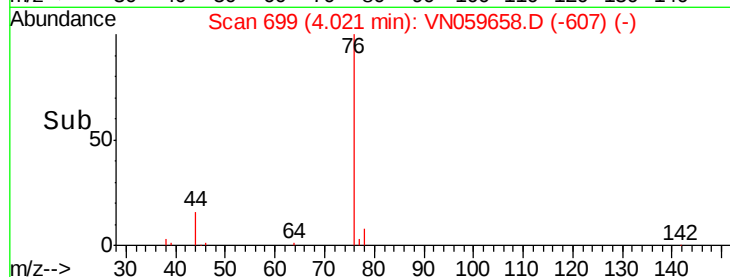
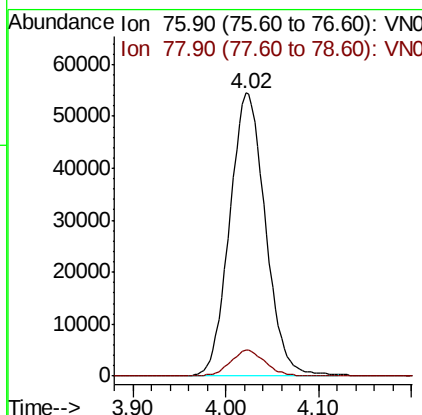
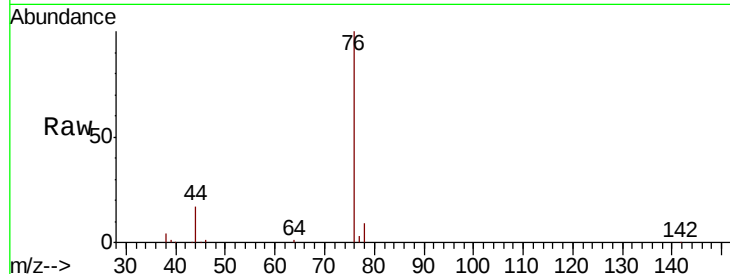




#17
Carbon Disulfide
Concen: 17.735 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

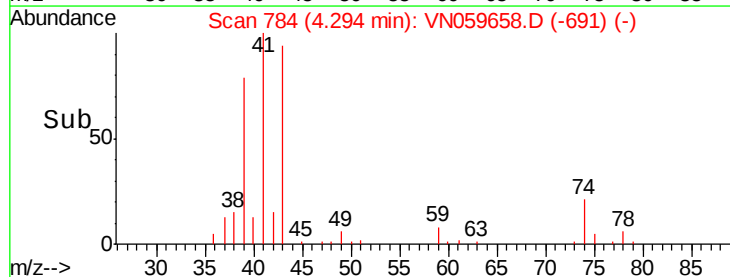
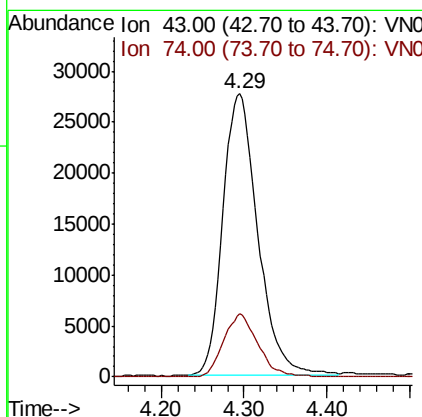
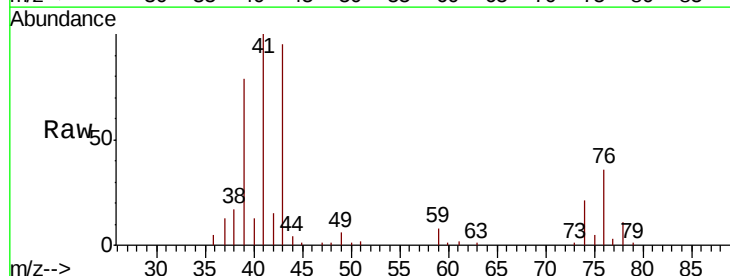
Instrument :
MSVOA_N
ClientSampleId :

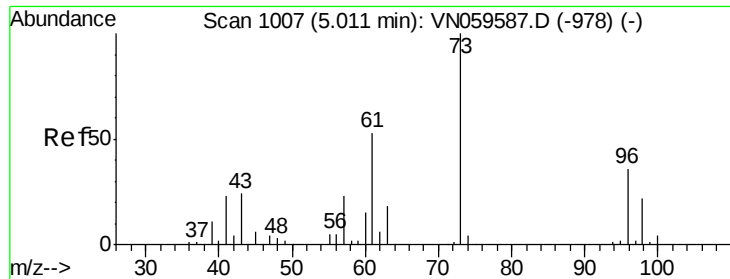
Tot Ion: 76 Resp: 145803
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 18.960 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 43 Resp: 80731
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3

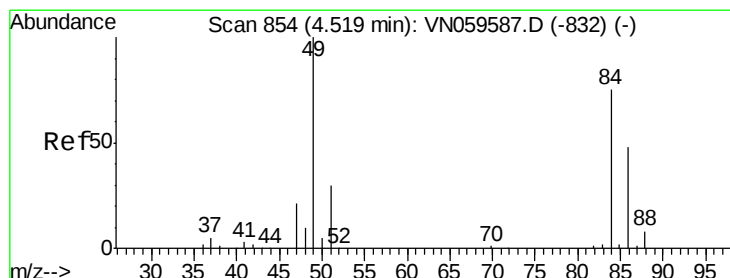
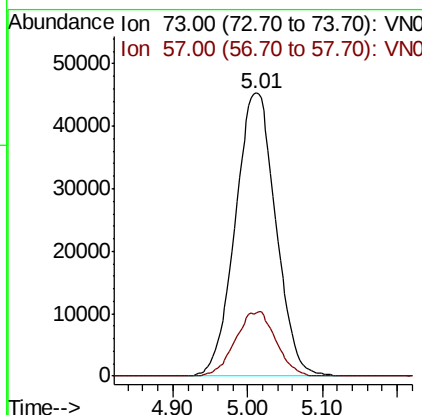
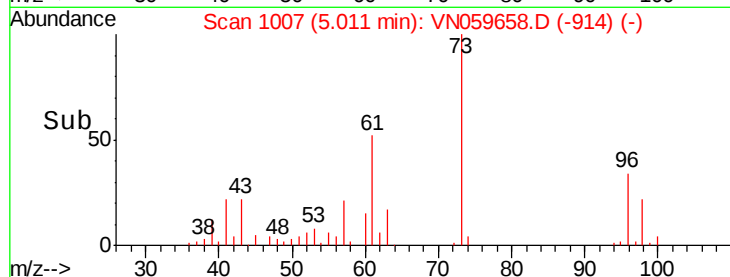
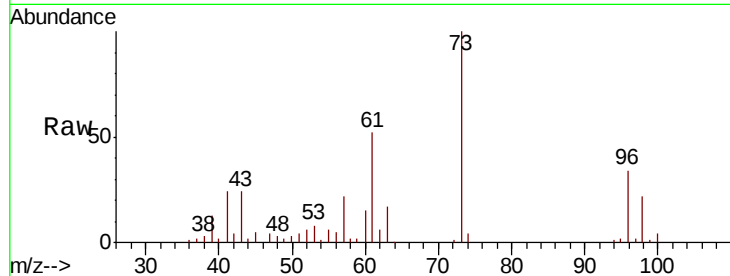




#19
Methvl tert-butvl Ether
Concen: 19.569 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

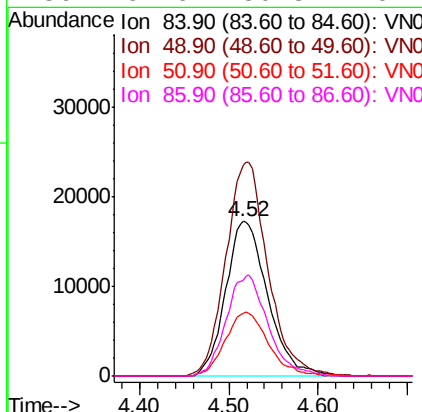
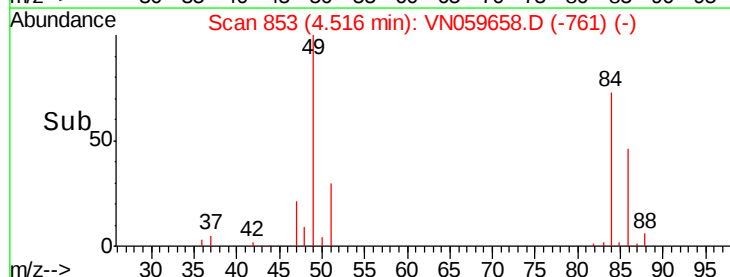
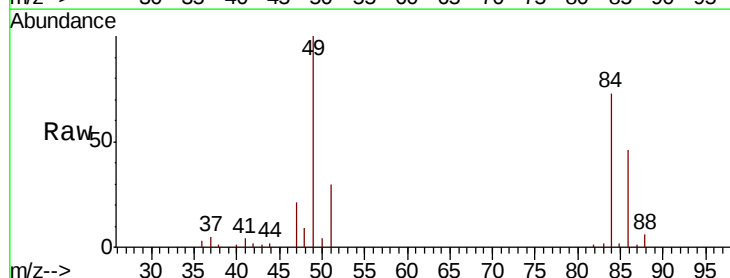
Instrument :
MSVOA_N
ClientSampleId :

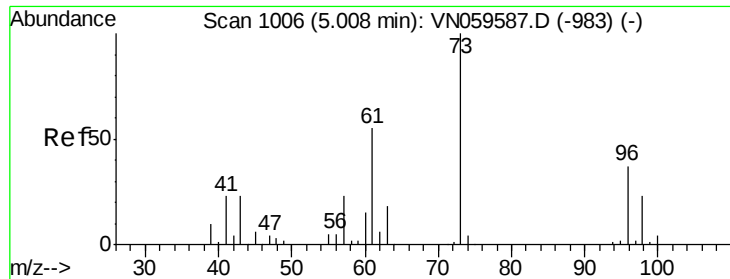
Tot Ion: 73 Resp: 170453
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8



#20
Methylene Chloride
Concen: 19.196 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 84 Resp: 56335
Ion Ratio Lower Upper
84 100
49 135.2 106.6 160.0
51 40.8 31.9 47.9
86 62.6 50.8 76.2

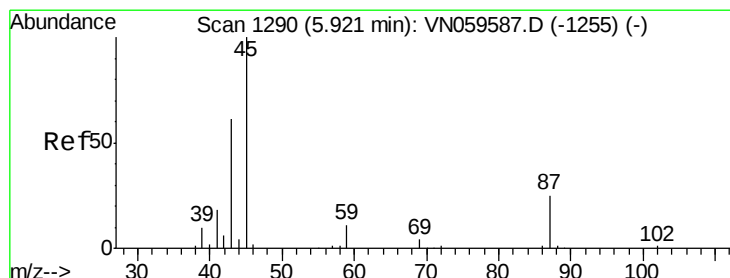
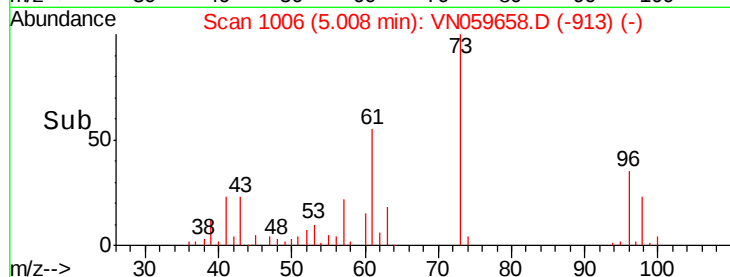
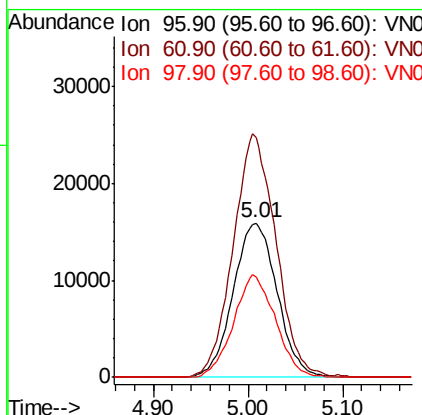
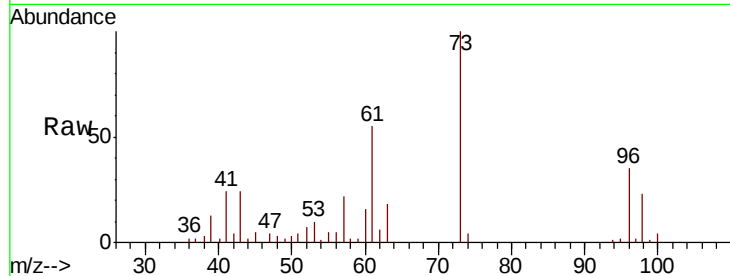




#21
trans-1,2-Dichloroethene
Concen: 18.666 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

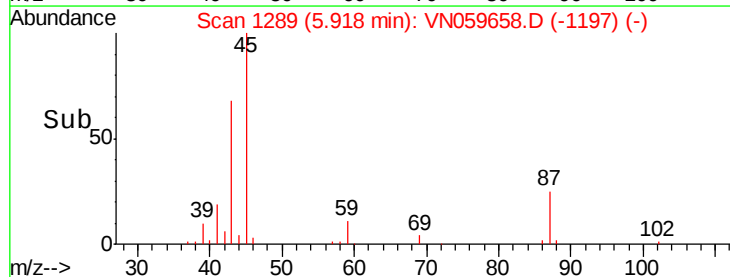
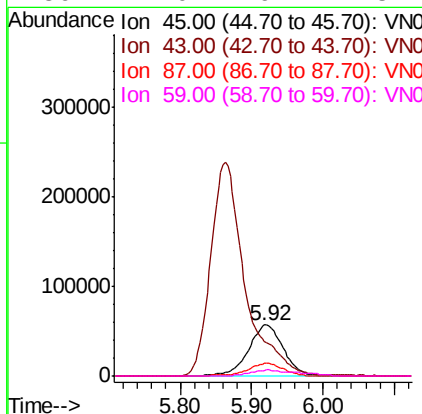
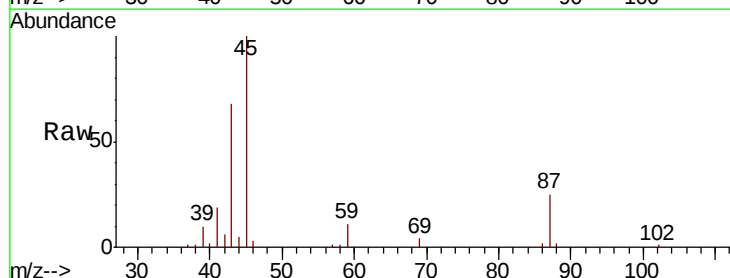
Instrument :
MSVOA_N
ClientSampleId :

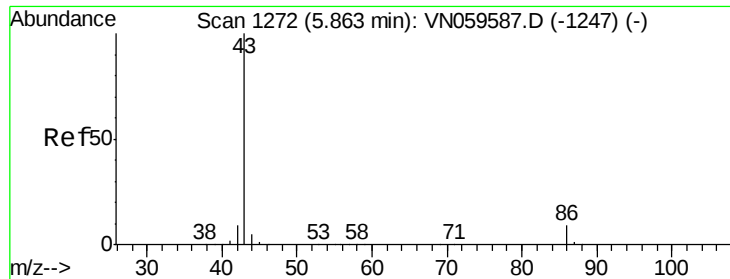
Tot Ion: 96 Resp: 51333
Ion Ratio Lower Upper
96 100
61 155.5 120.4 180.6
98 65.2 50.6 75.8



#22
Diisopropyl ether
Concen: 20.595 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 45 Resp: 192283
Ion Ratio Lower Upper
45 100
43 65.9 50.8 76.2
87 24.6 21.0 31.6
59 11.0 9.1 13.7





#23

Vinyl Acetate

Concen: 109.008 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

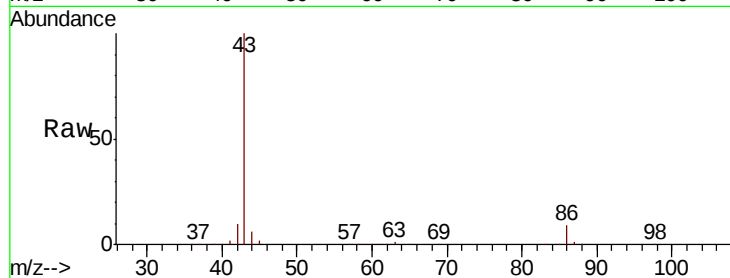
ClientSampled :

Tot Ion: 43 Resp: 798698

Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059658.D (-1179) (-)

Ion 86.00 (85.70 to 86.70): VN059658.D (-1179) (-)

5.86

250000

200000

150000

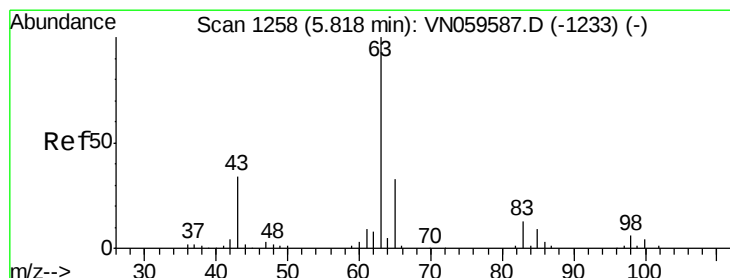
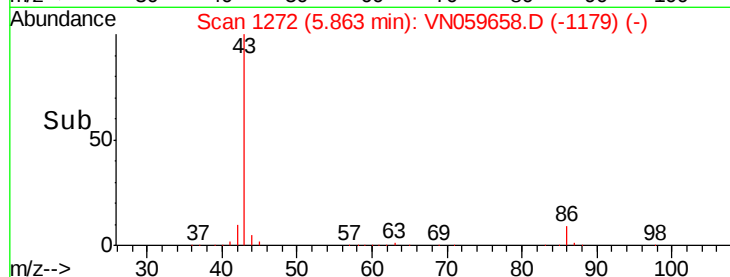
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.925 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

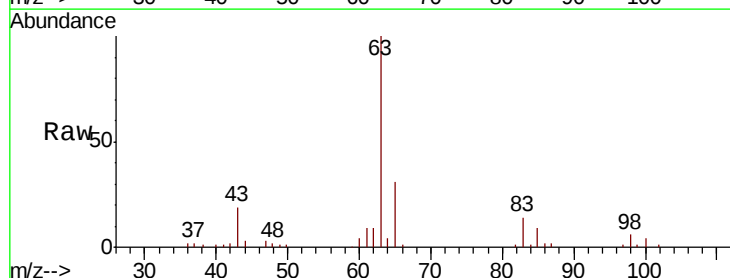
Tgt Ion: 63 Resp: 105380

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059658.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059658.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059658.D (-1165) (-)

5.82

40000

30000

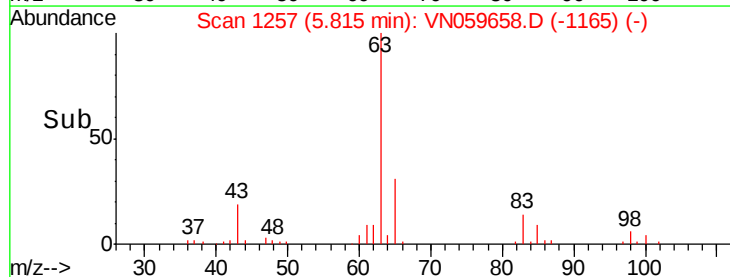
20000

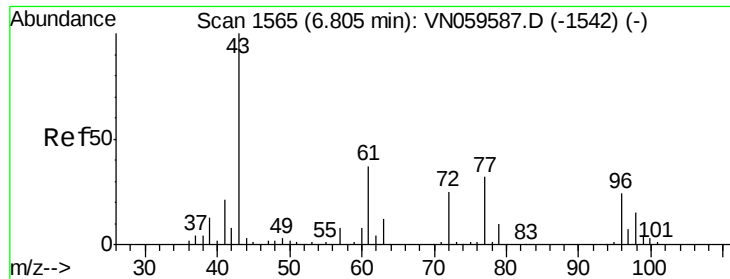
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 87.950 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

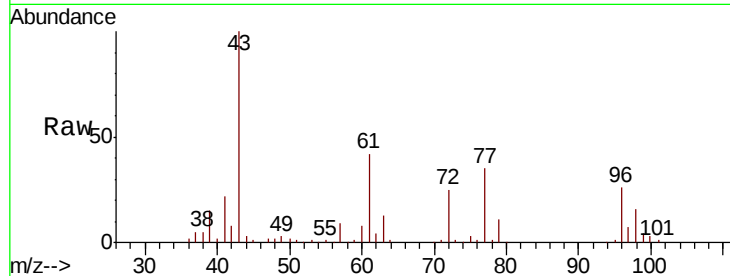
ClientSampled :

Tot Ion: 43 Resp: 213706

Ion Ratio Lower Upper

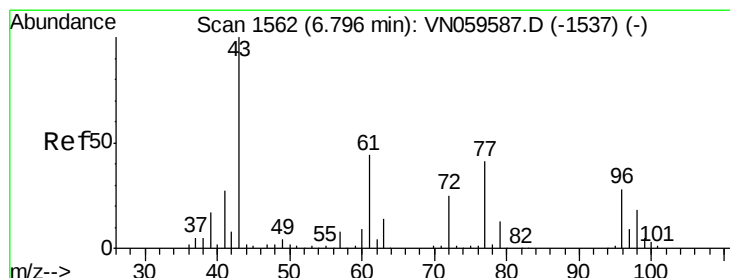
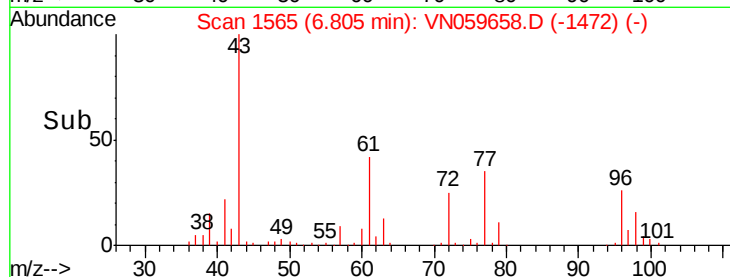
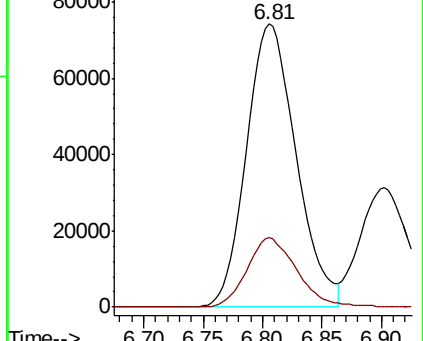
43 100

72 24.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.974 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059658.D

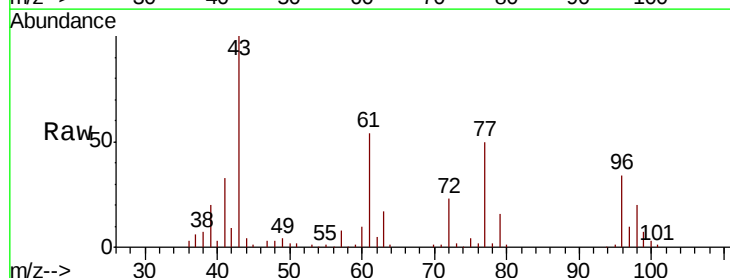
Acq: 18 Dec 2019 18:38

Tgt Ion: 77 Resp: 91204

Ion Ratio Lower Upper

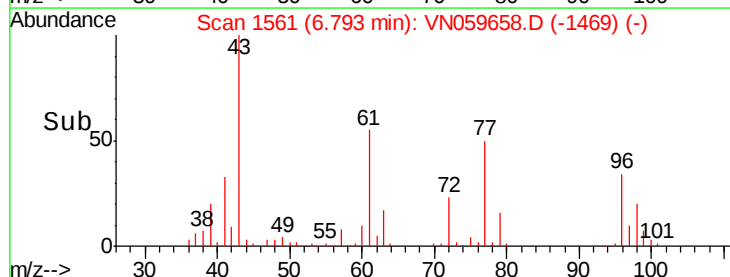
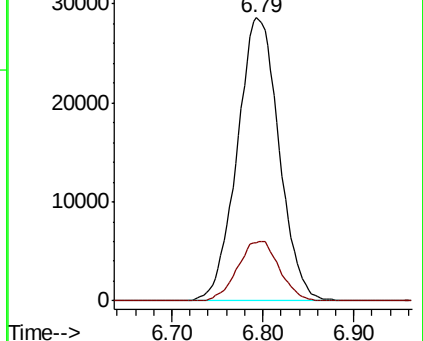
77 100

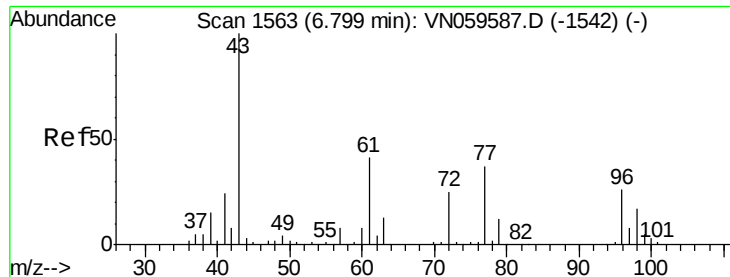
97 20.9 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.324 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

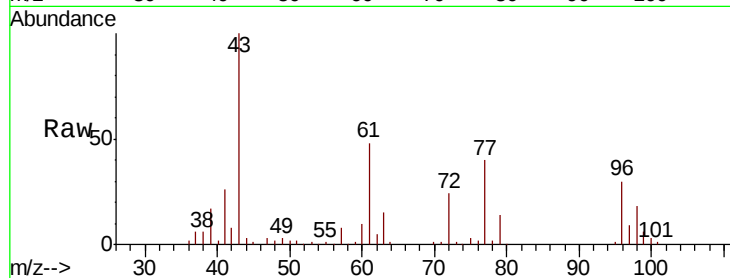
Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 58889

Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	317.6
98	63.5	0.0	127.0

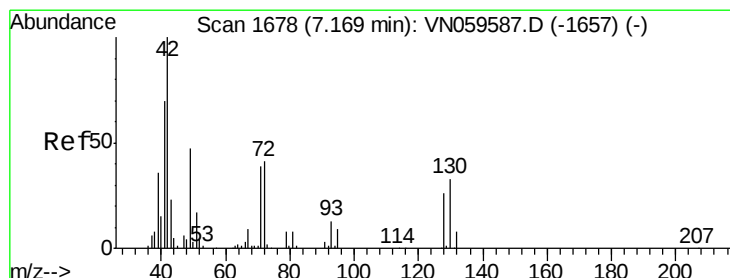
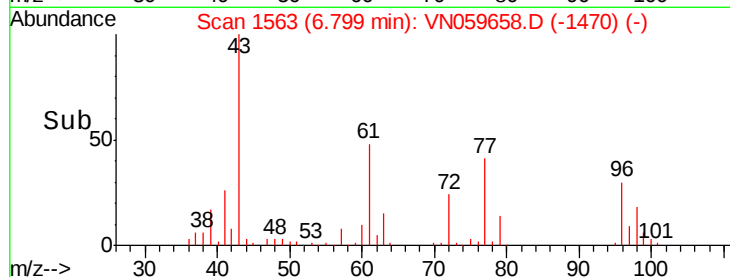
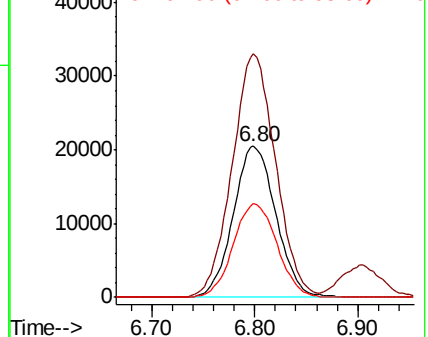


Abundance

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



#28

Bromochloromethane

Concen: 18.591 ug/l

RT: 7.17 min Scan# 1677

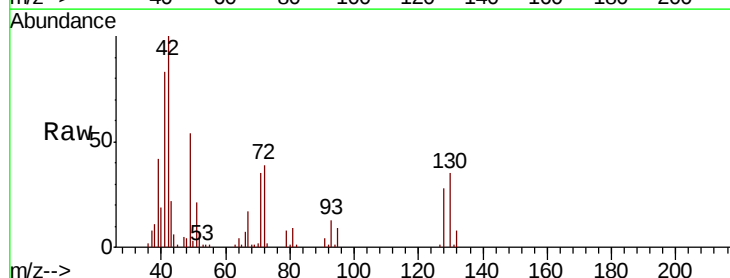
Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Tgt Ion: 49 Resp: 40655

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.4
130	66.3	54.7	82.1

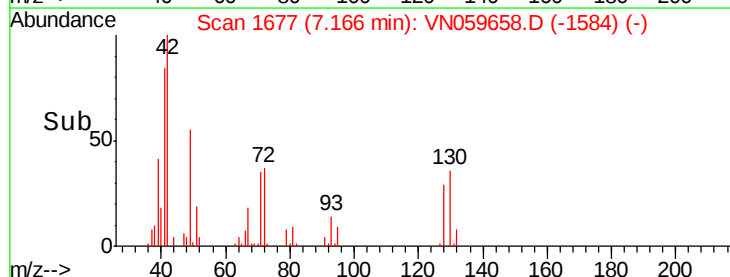
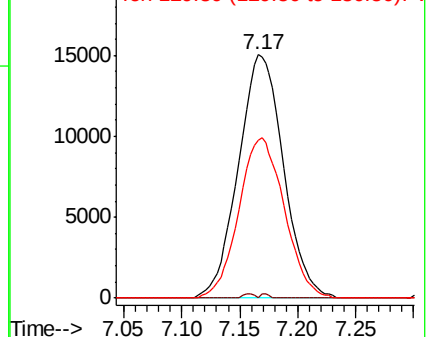


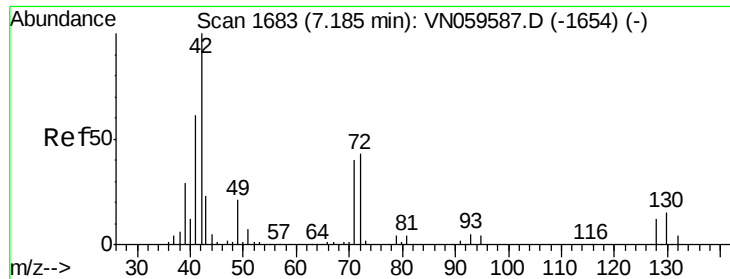
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

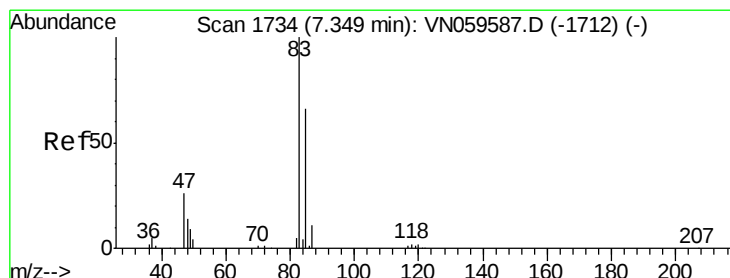
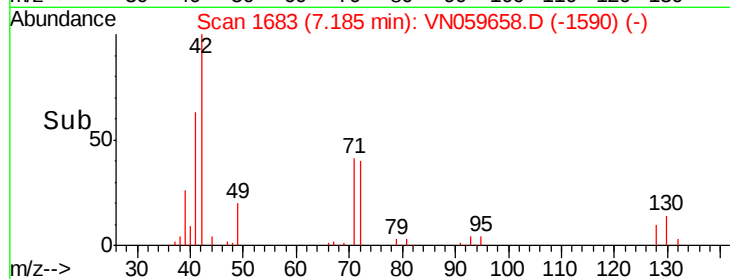
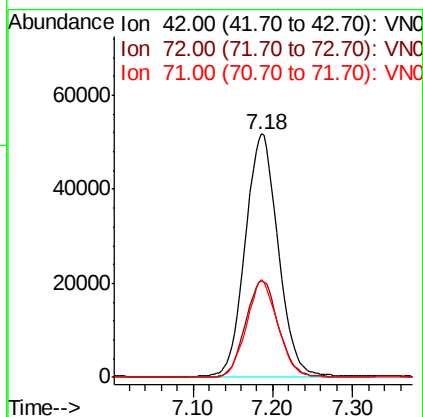
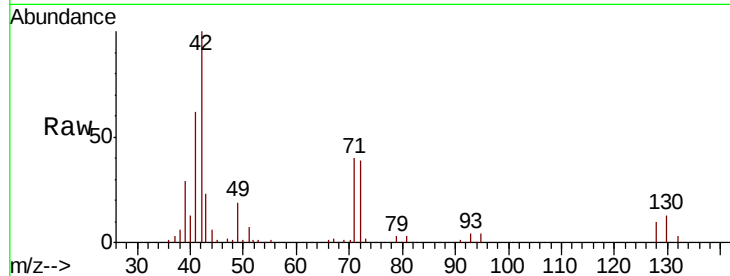




#29
Tetrahydrofuran
Concen: 98.500 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

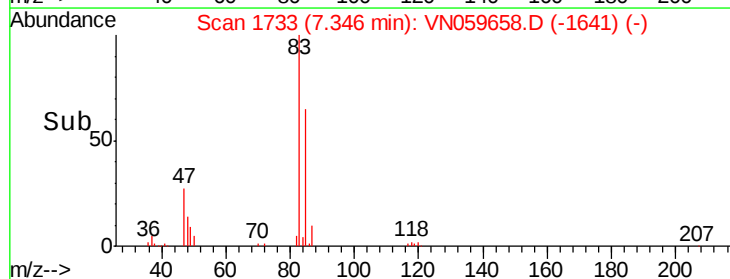
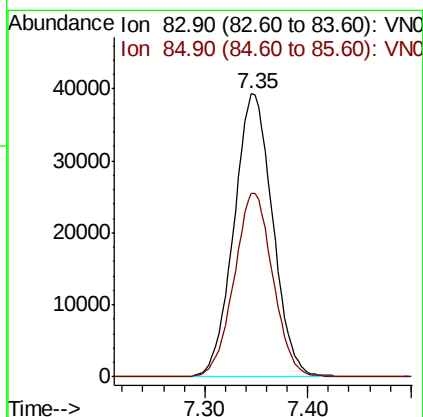
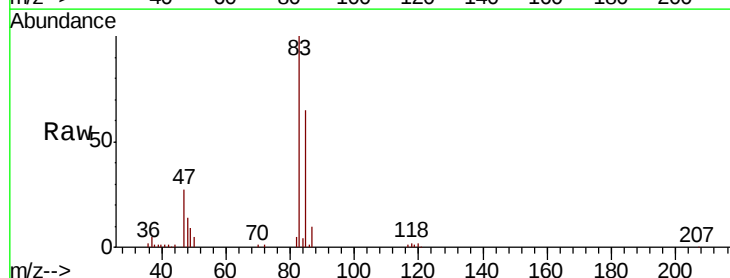
Instrument :
MSVOA_N
ClientSampled :

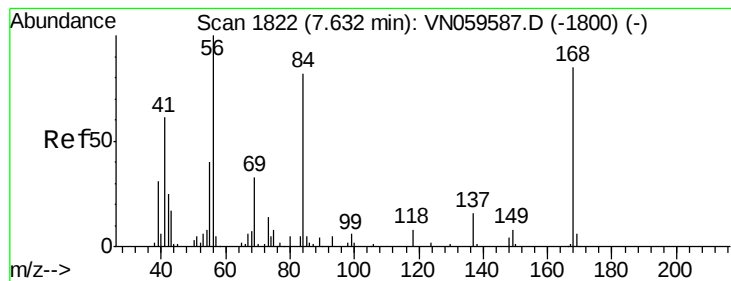
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	33.1	49.7
71	38.0	31.4	47.0



#30
Chloroform
Concen: 19.746 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





#31

Cyclohexane

Concen: 19.387 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

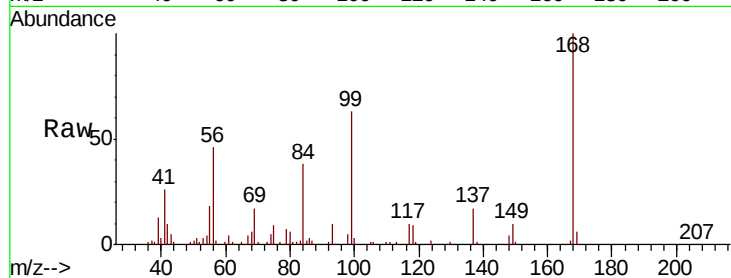
Tot Ion: 56 Resp: 96881

Ion Ratio Lower Upper

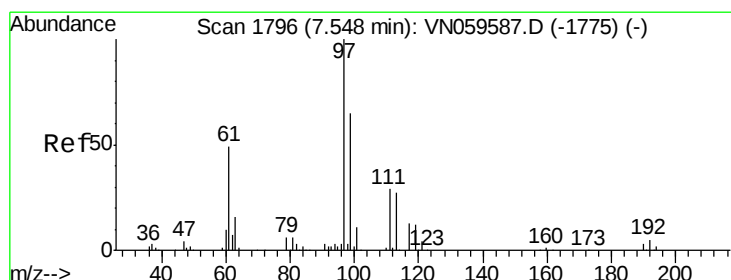
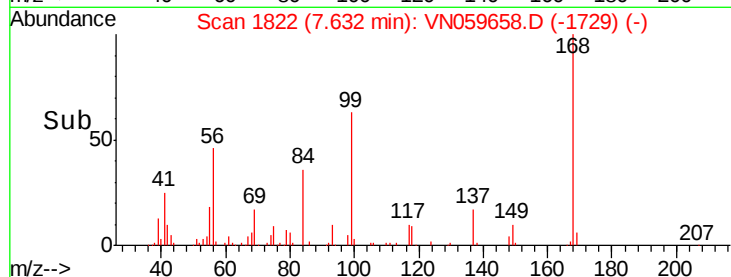
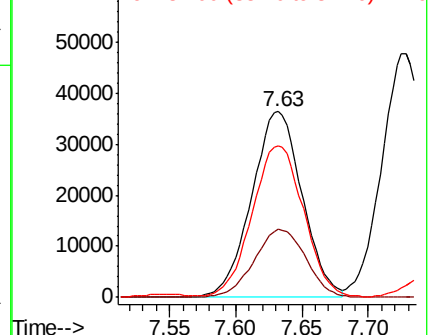
56 100

69 36.6 26.5 39.7

84 80.9 65.3 97.9



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: 19.190 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

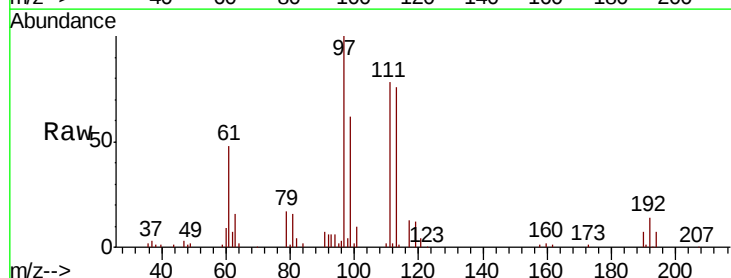
Tgt Ion: 97 Resp: 90065

Ion Ratio Lower Upper

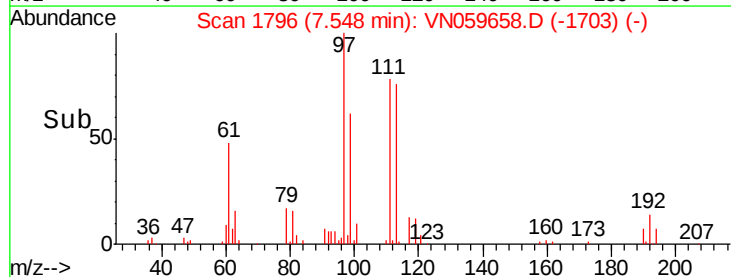
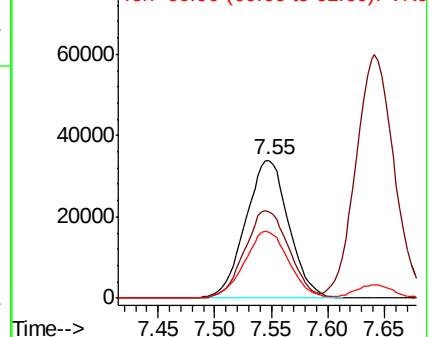
97 100

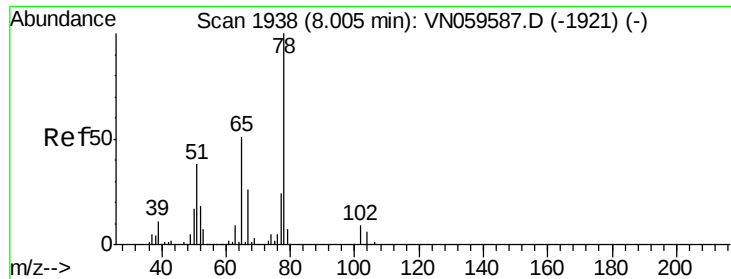
99 64.7 51.0 76.4

61 49.6 38.5 57.7



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

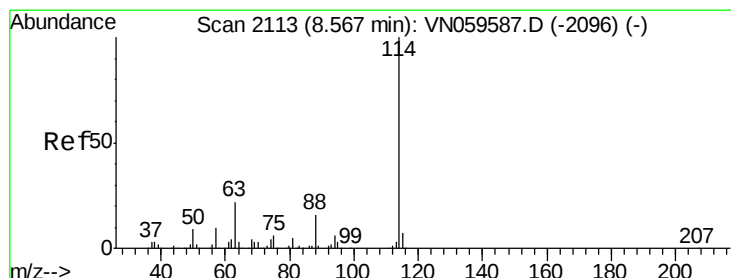
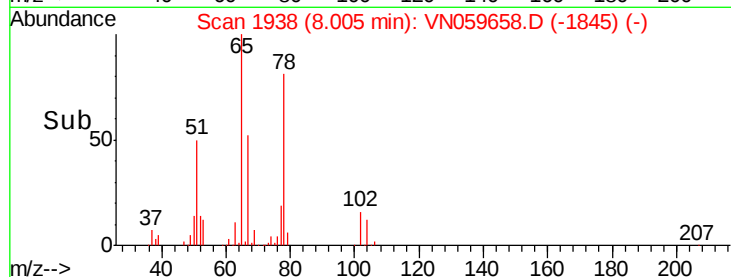
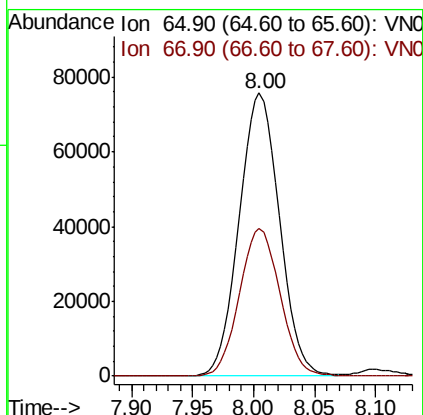
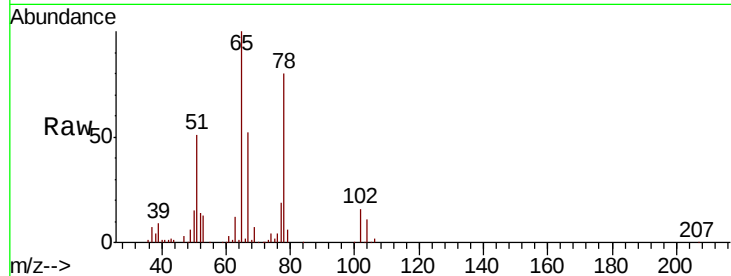




#33
 1,2-Dichloroethane-d4
 Concen: 50.674 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

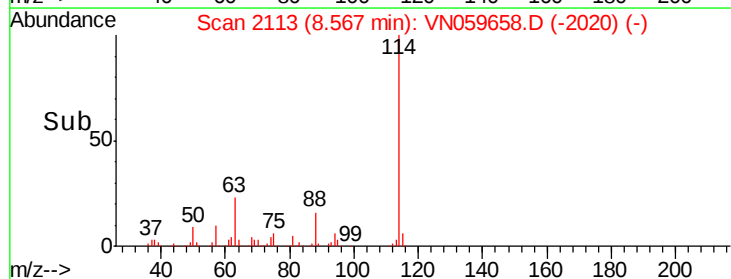
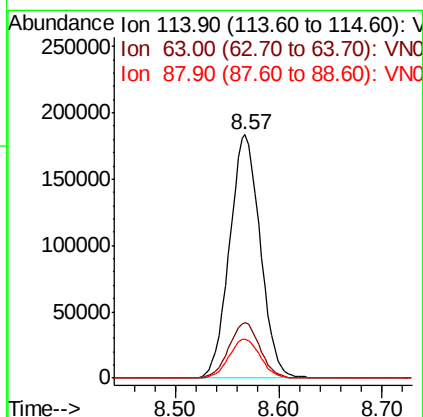
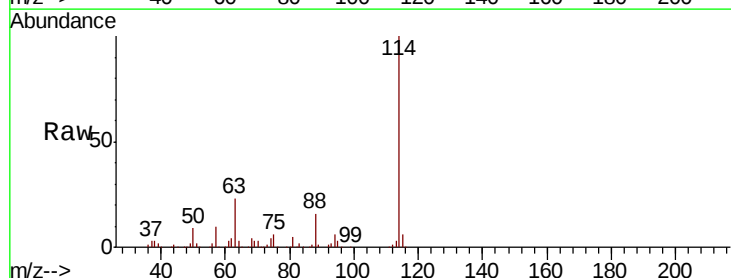
Instrument :
 MSVOA_N
 ClientSampleId :

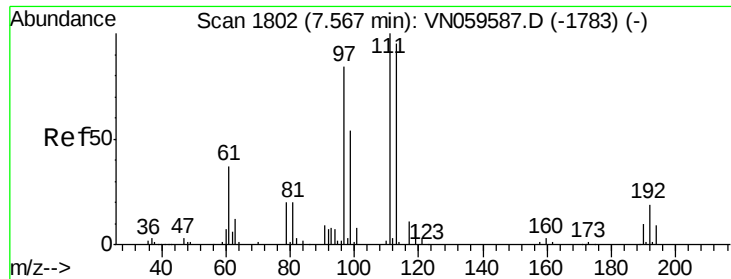
Tot Ion: 65 Resp: 173435
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Tgt Ion: 114 Resp: 381444
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.6
 88 16.1 0.0 31.4

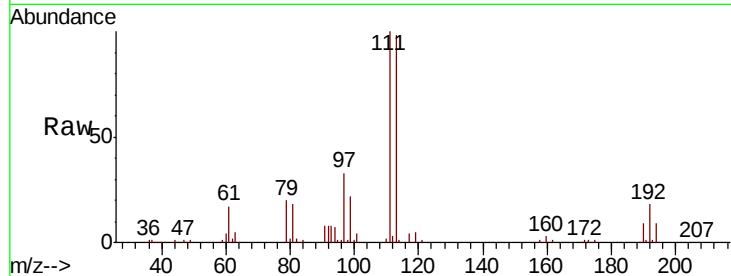




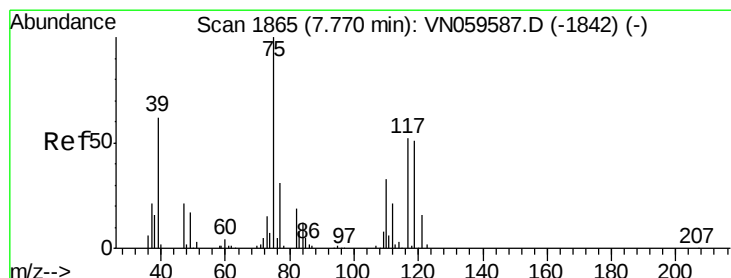
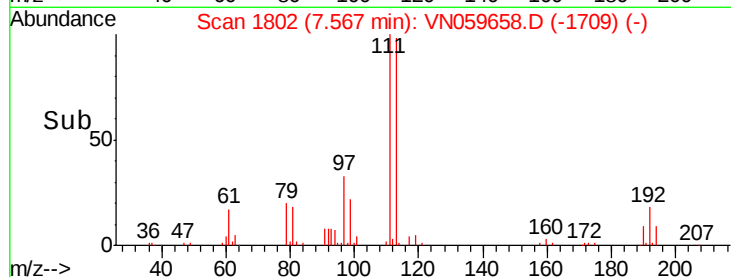
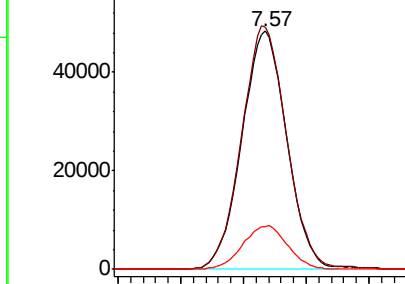
#35
 Dibromofluoromethane
 Concen: 50.482 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 120482
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.5 125.3
 192 18.3 15.4 23.2

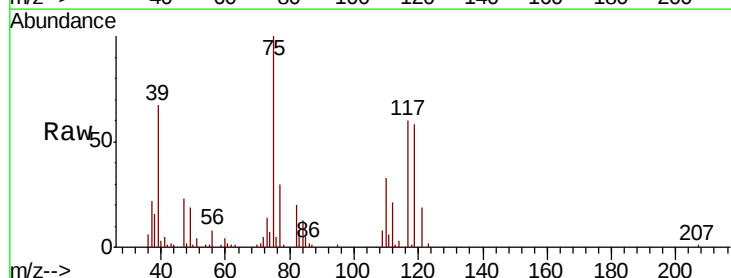


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

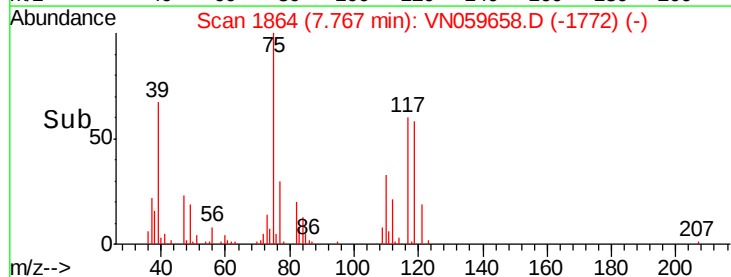
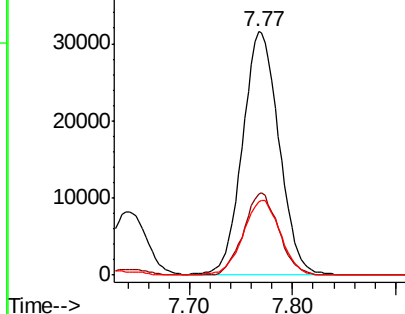


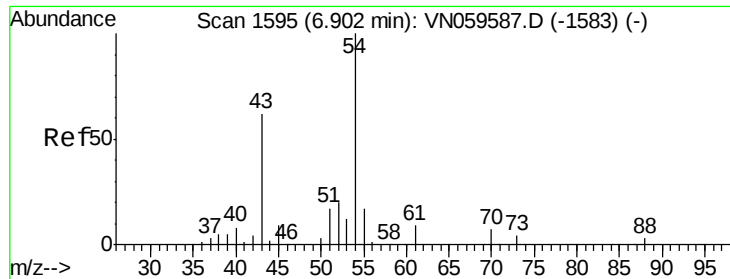
#36
 1,1-Dichloropropene
 Concen: 19.508 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Tgt Ion: 75 Resp: 77600
 Ion Ratio Lower Upper
 75 100
 110 32.4 16.6 49.7
 77 31.1 25.1 37.7



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

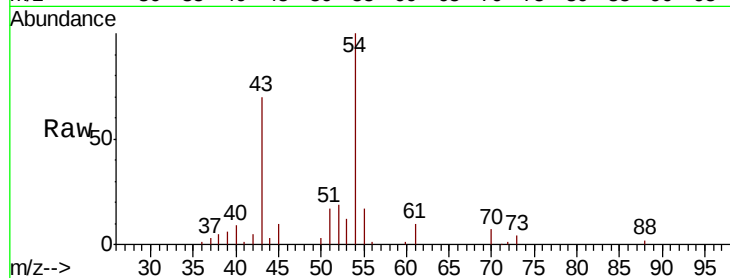




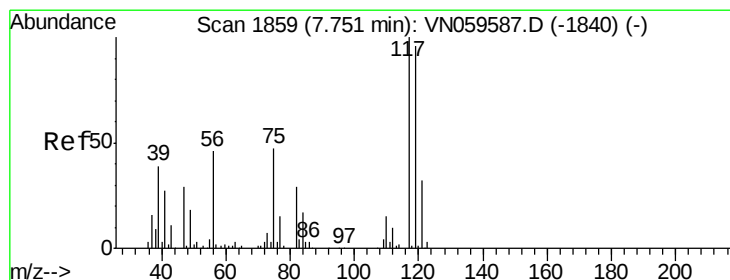
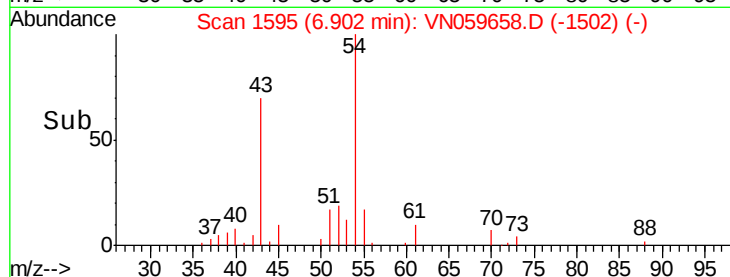
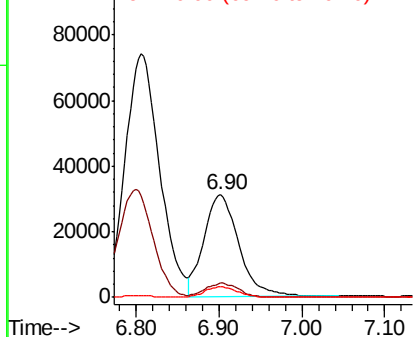
#37
Ethyl Acetate
Concen: 19.728 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 91208
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 9.6 7.7 11.5

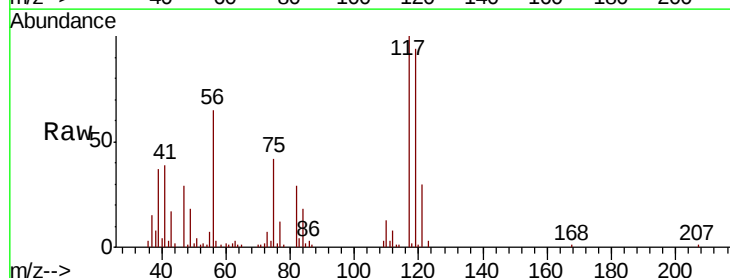


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

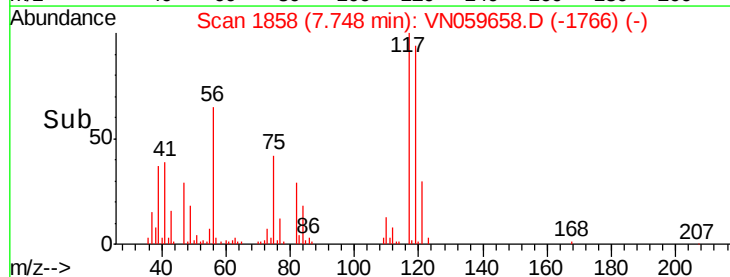
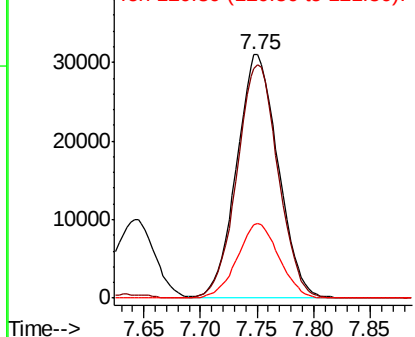


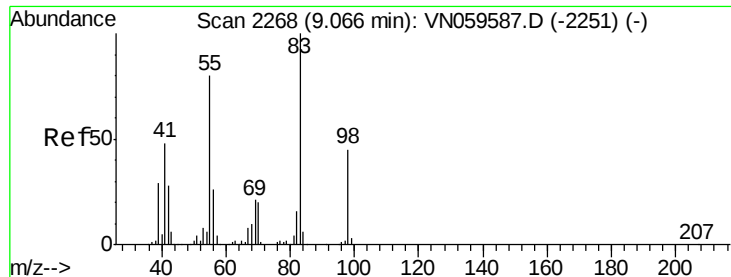
#38
Carbon Tetrachloride
Concen: 19.148 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 117 Resp: 79039
Ion Ratio Lower Upper
117 100
119 94.4 76.5 114.7
121 30.2 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

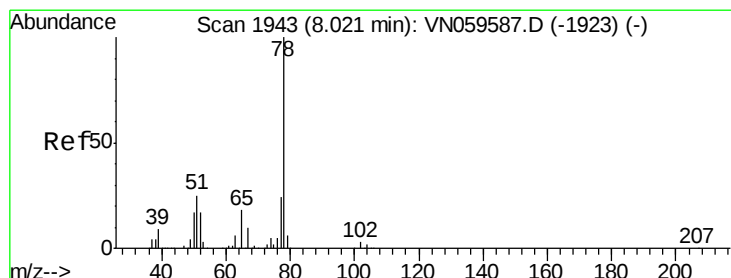
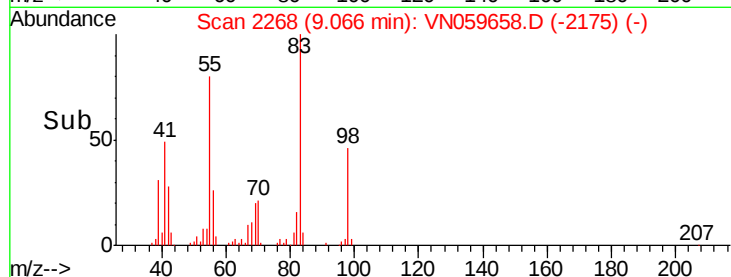
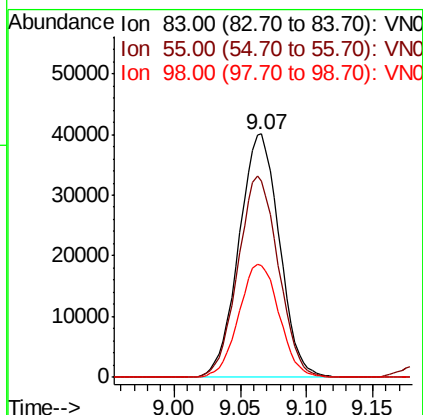
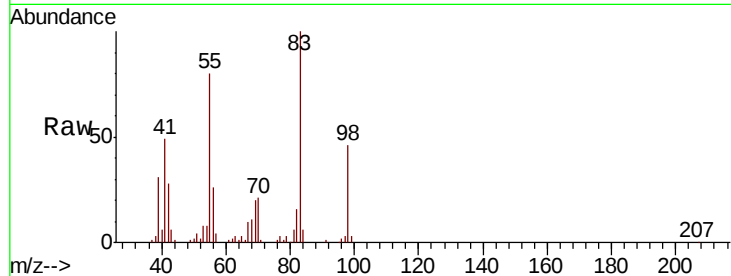




#39
Methvlcvclohexane
Concen: 18.853 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

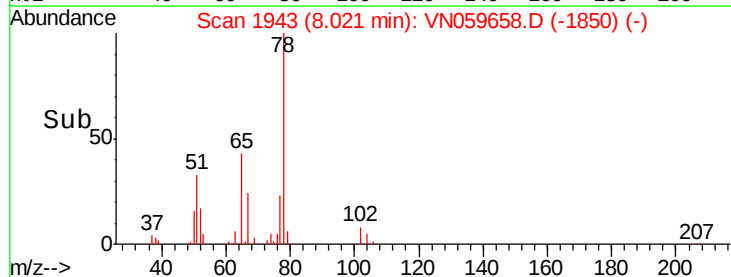
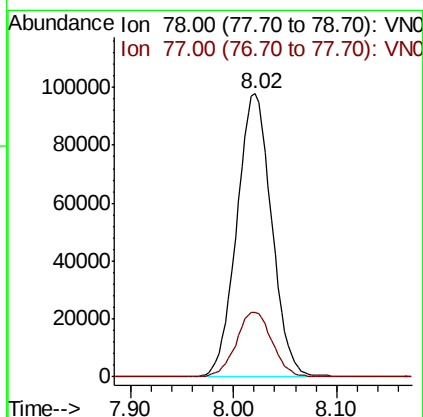
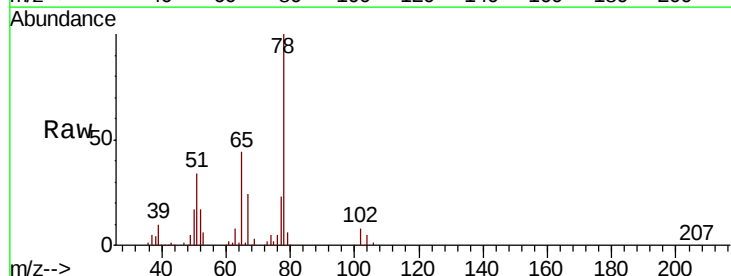
Instrument :
MSVOA_N
ClientSampleId :

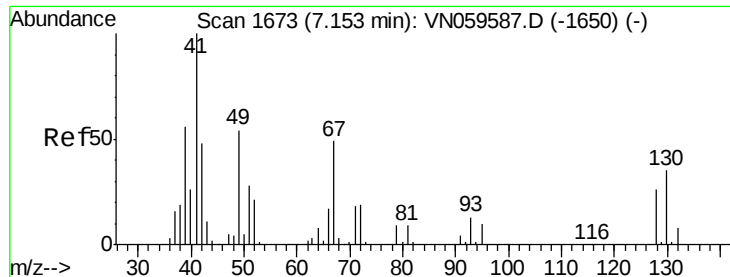
Tot Ion: 83 Resp: 85068
Ion Ratio Lower Upper
83 100
55 80.5 64.2 96.2
98 46.0 35.9 53.9



#40
Benzene
Concen: 19.766 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 78 Resp: 229782
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3

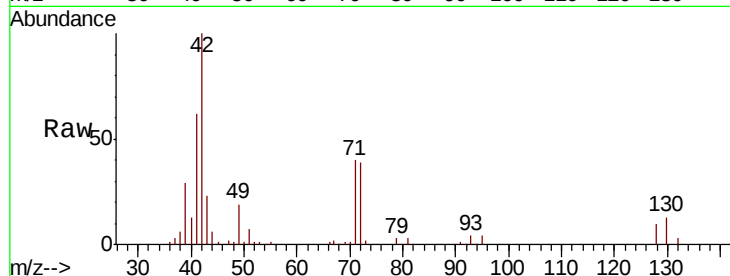




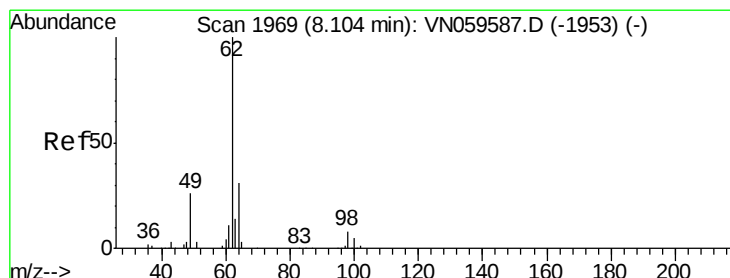
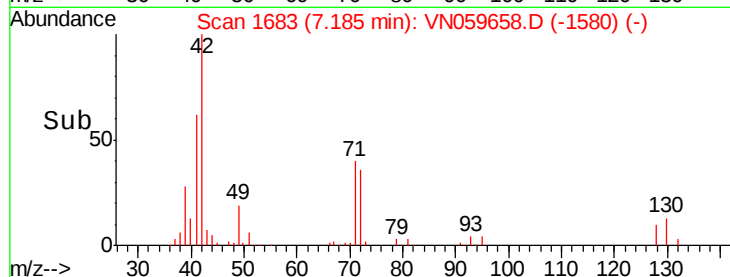
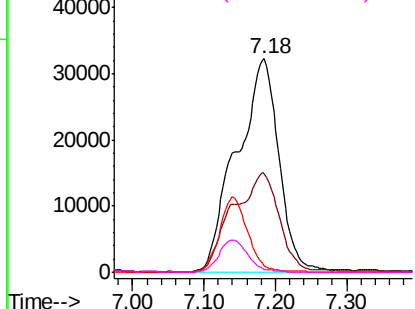
#41
Methacrylonitrile
Concen: 69.583 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	132770
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

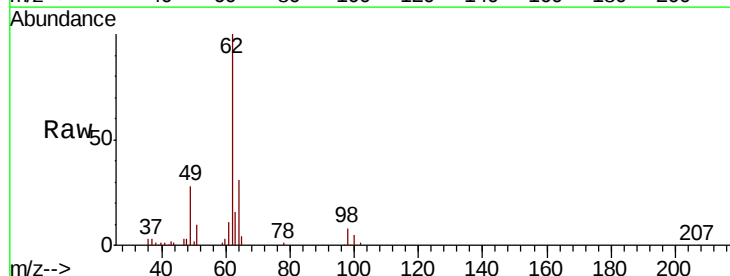


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

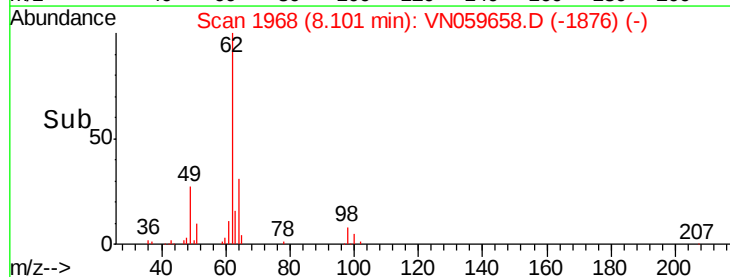
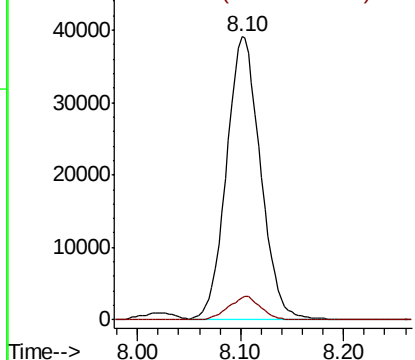


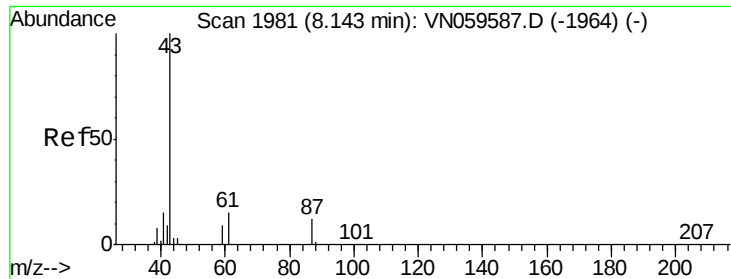
#42
1,2-Dichloroethane
Concen: 20.218 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion:	62	Resp:	90011
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



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



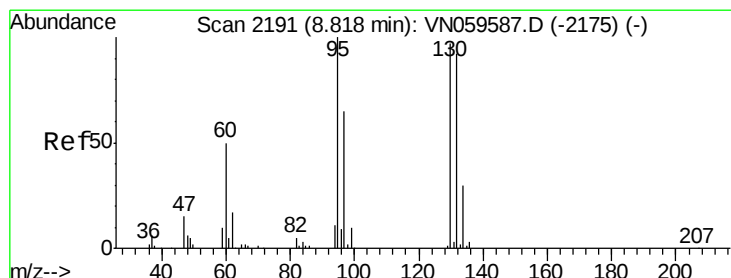
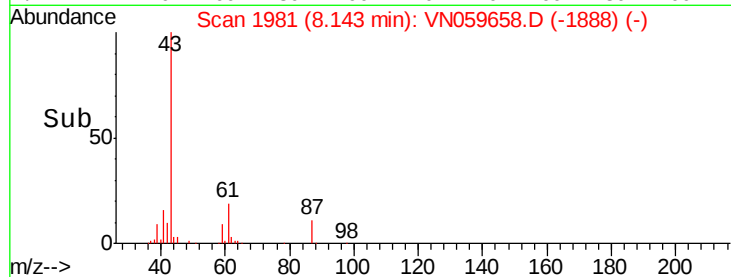
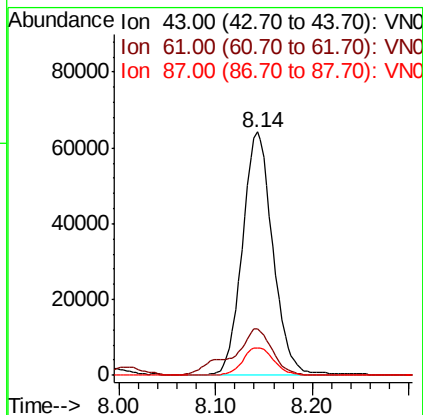
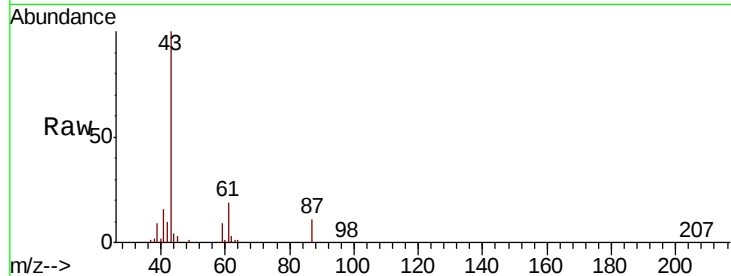


#43

Isopropyl Acetate
 Concen: 19.515 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :

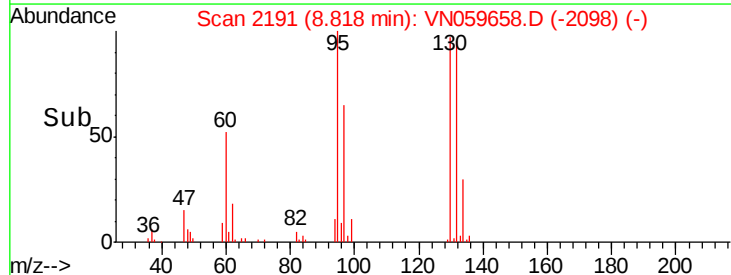
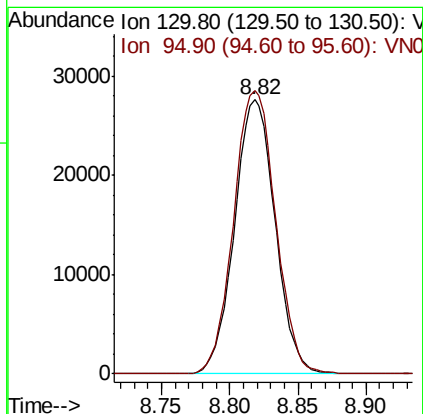
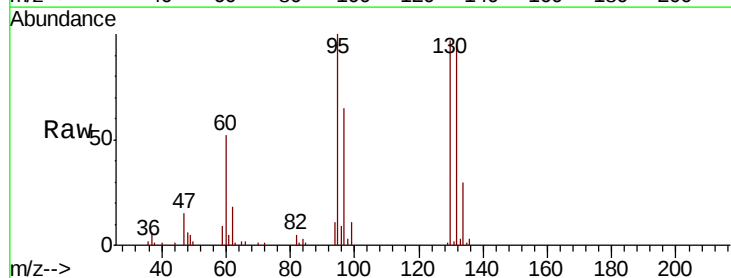
Tot Ion: 43 Resp: 140276
 Ion Ratio Lower Upper
 43 100
 61 25.0 20.2 30.2
 87 11.5 9.5 14.3

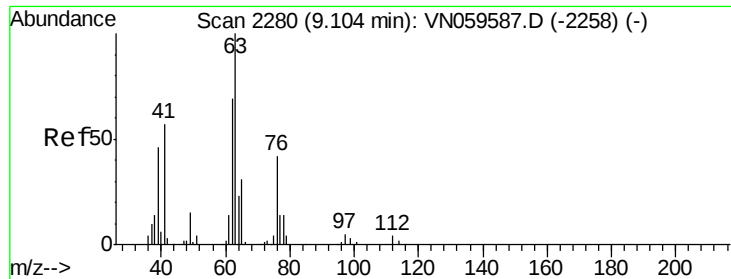


#44

Trichloroethene
 Concen: 18.755 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Tgt Ion:130 Resp: 57109
 Ion Ratio Lower Upper
 130 100
 95 103.2 0.0 207.0

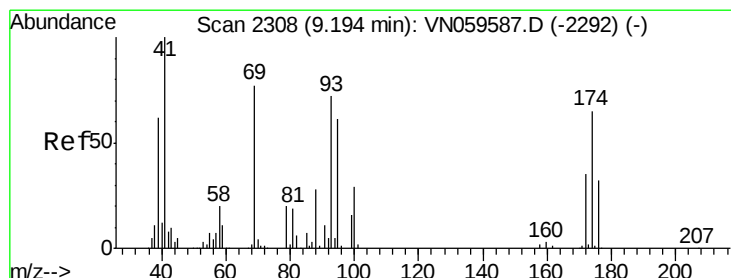
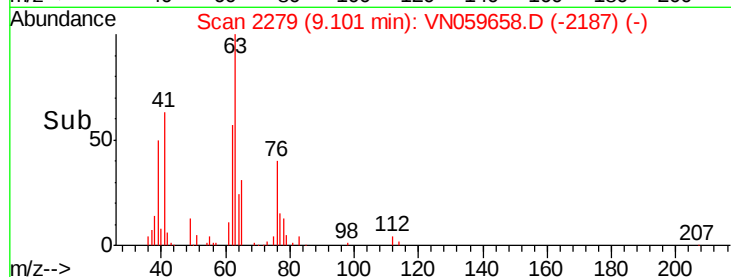
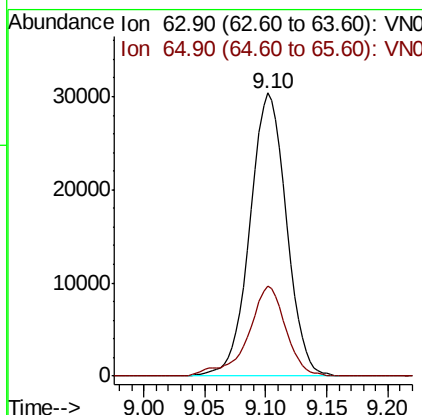
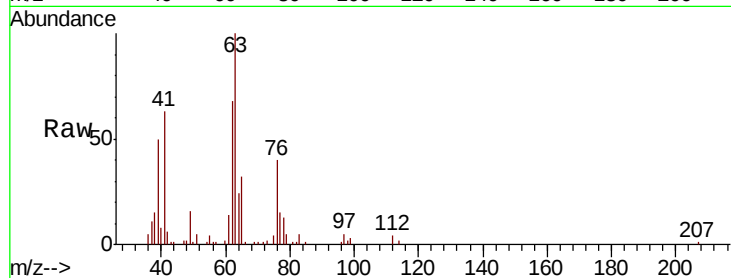




#45
 1,2-Dichloropropane
 Concen: 20.020 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

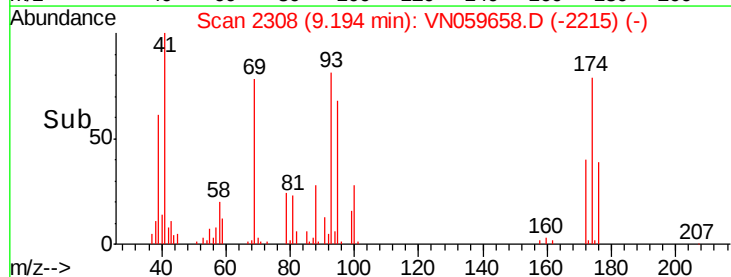
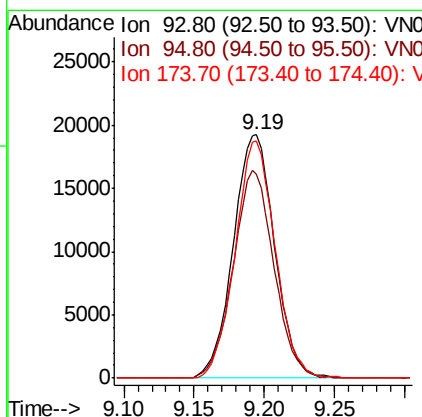
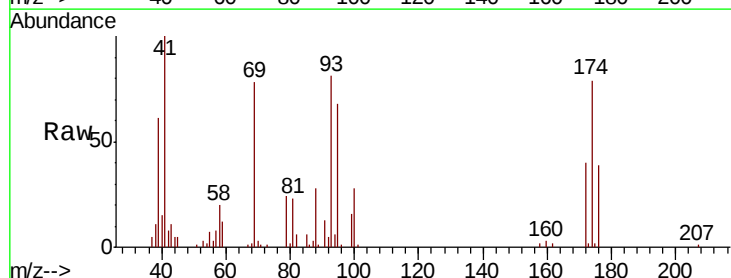
Instrument :
 MSVOA_N
 ClientSampleId :

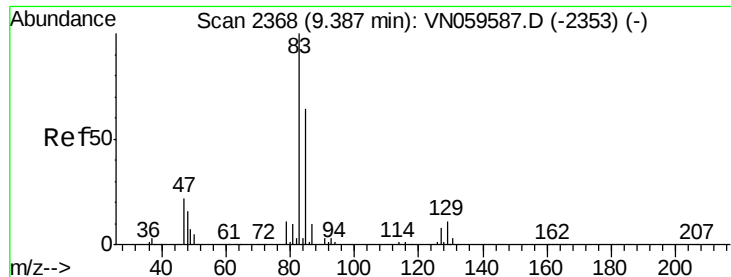
Tot Ion: 63 Resp: 62848
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.9 37.3



#46
 Dibromomethane
 Concen: 19.171 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Tgt Ion: 93 Resp: 39427
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 94.2 73.4 110.2





#47

Bromodichloromethane

Concen: 19.642 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

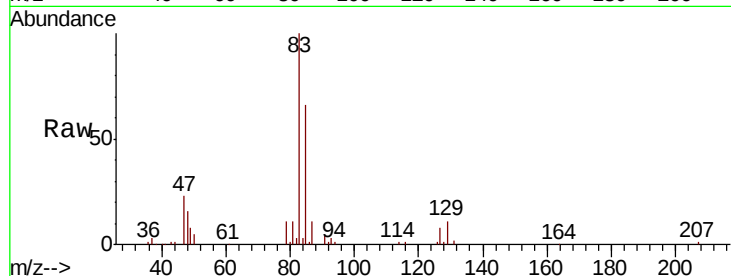
Tot Ion: 83 Resp: 80542

Ion Ratio Lower Upper

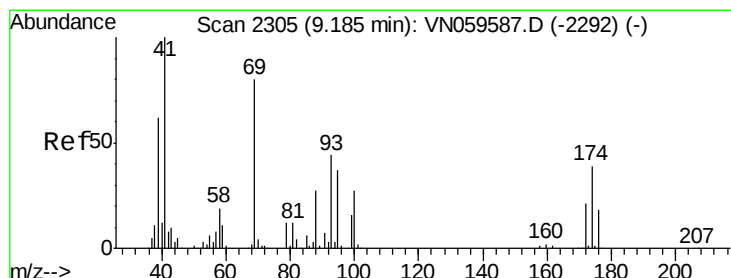
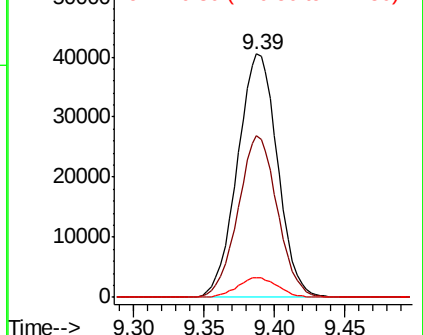
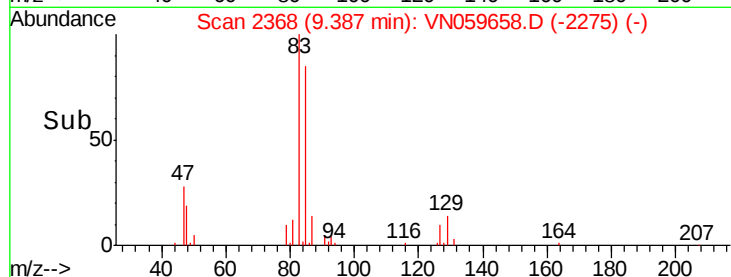
83 100

85 66.2 51.1 76.7

127 8.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059658.D (-2275) (-)



#48

Methyl methacrylate

Concen: 19.130 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

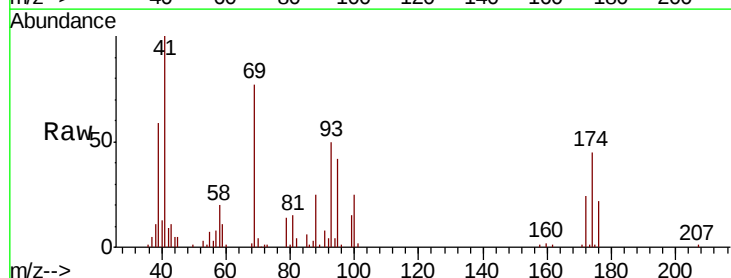
Tgt Ion: 41 Resp: 62388

Ion Ratio Lower Upper

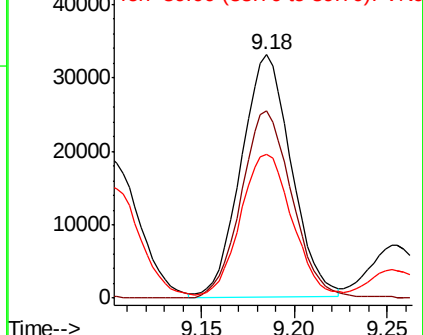
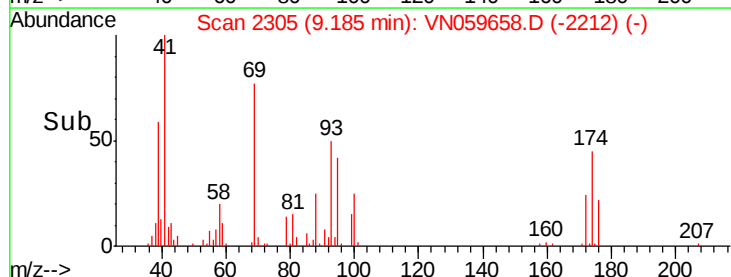
41 100

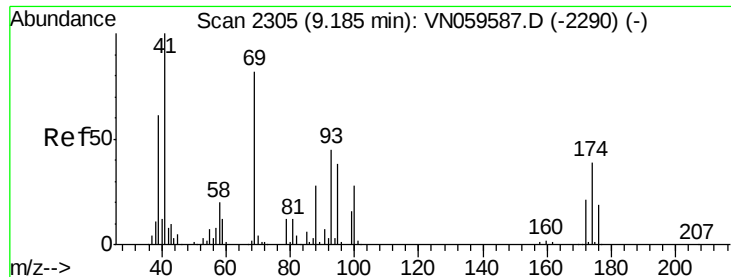
69 78.4 64.4 96.6

39 60.9 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN059658.D (-2212) (-)

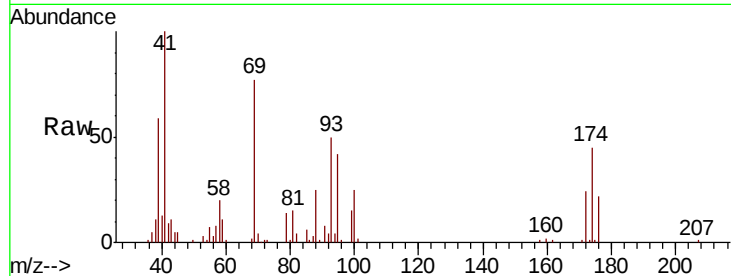




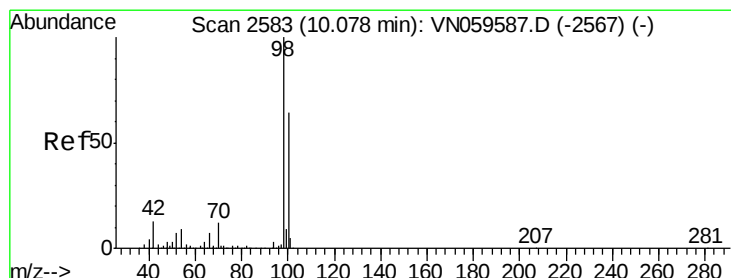
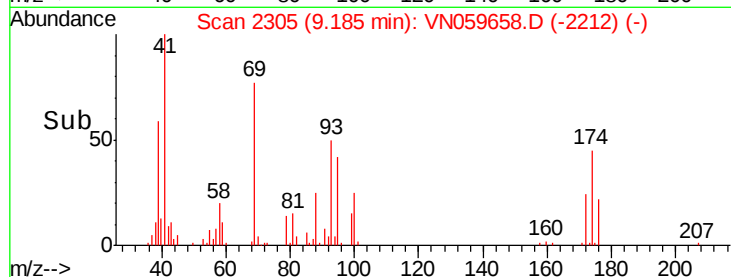
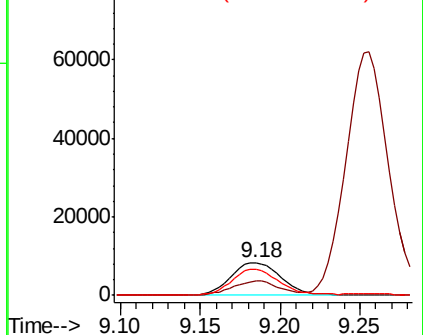
#49
1,4-Dioxane
Concen: 385.403 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 18012
Ion Ratio Lower Upper
88 100
43 40.8 29.7 44.5
58 75.4 56.6 85.0

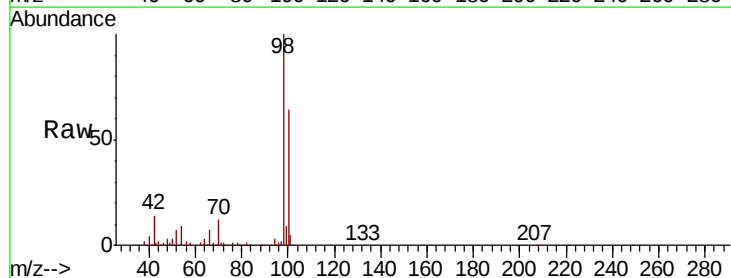


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

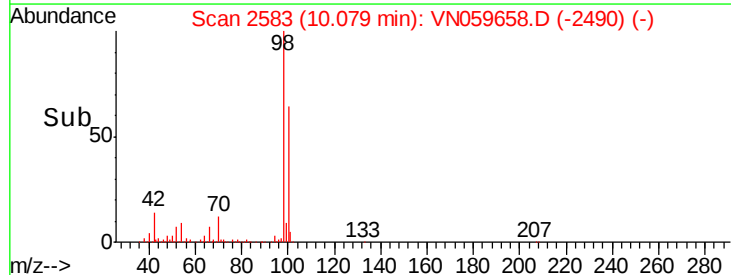
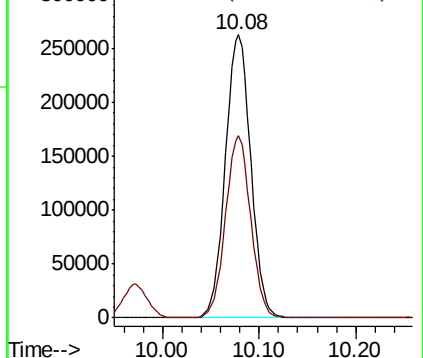


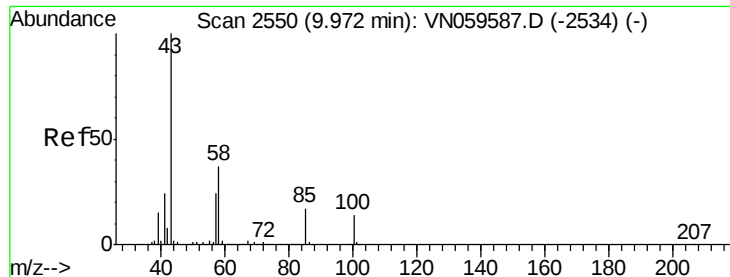
#50
Toluene-d8
Concen: 50.751 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 98 Resp: 479553
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



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: 102.063 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

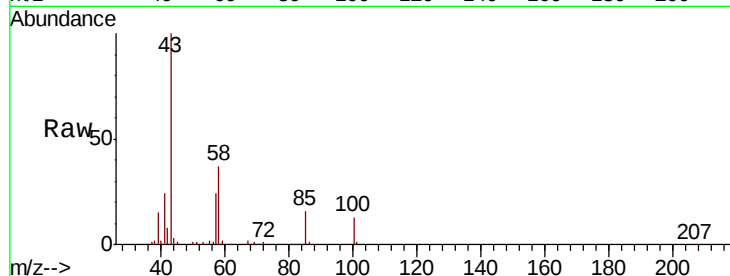
ClientSampled :

Tot Ion: 43 Resp: 437415

Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

250000

200000

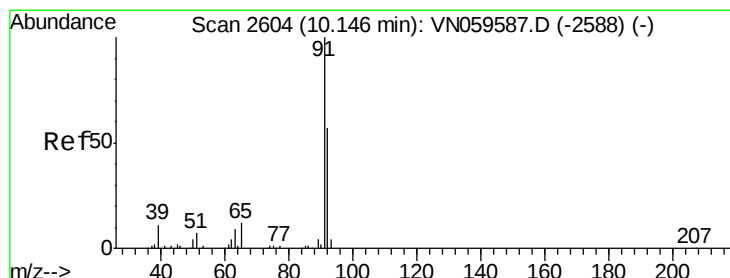
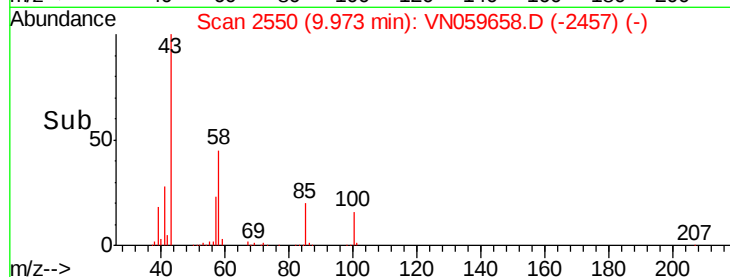
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.376 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059658.D

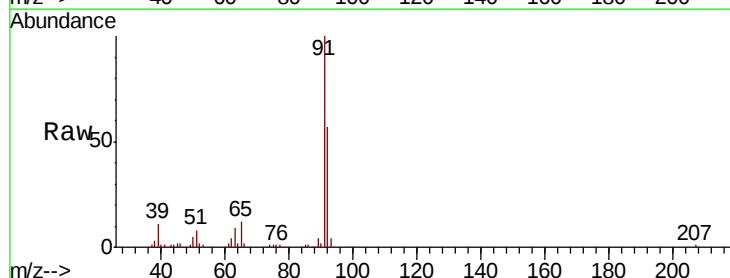
Acq: 18 Dec 2019 18:38

Tgt Ion: 92 Resp: 138399

Ion Ratio Lower Upper

92 100

91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.14

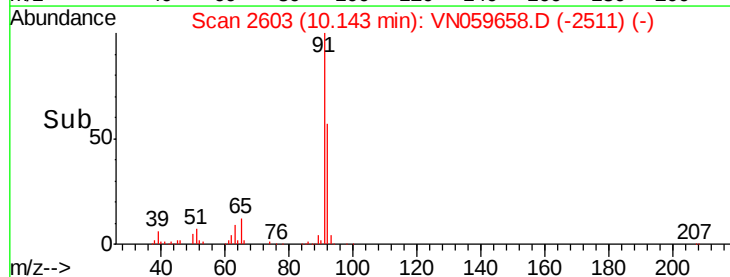
150000

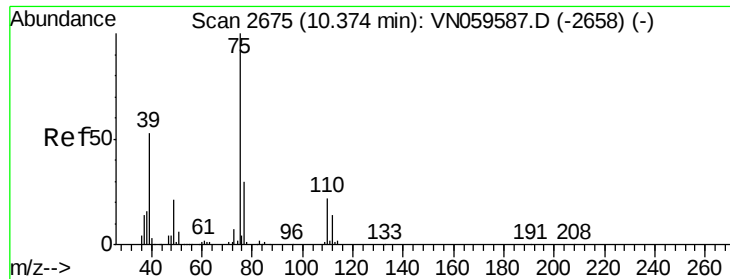
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.342 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

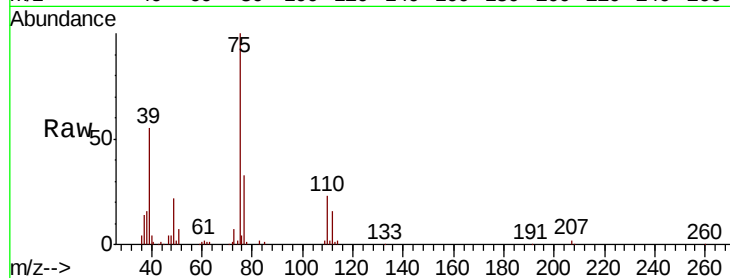
ClientSampled :

Tot Ion: 75 Resp: 91725

Ion Ratio Lower Upper

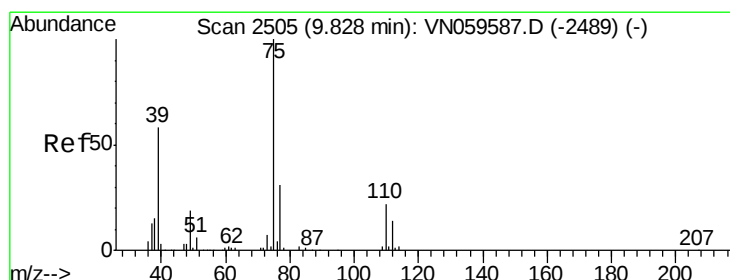
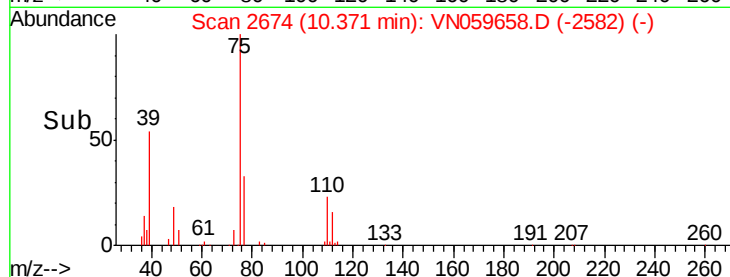
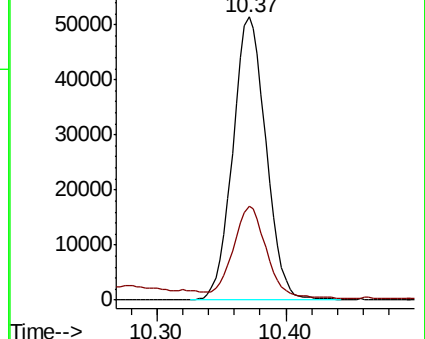
75 100

77 32.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.587 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

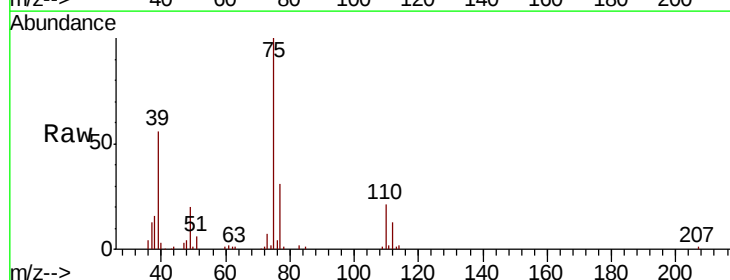
Tgt Ion: 75 Resp: 97640

Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7

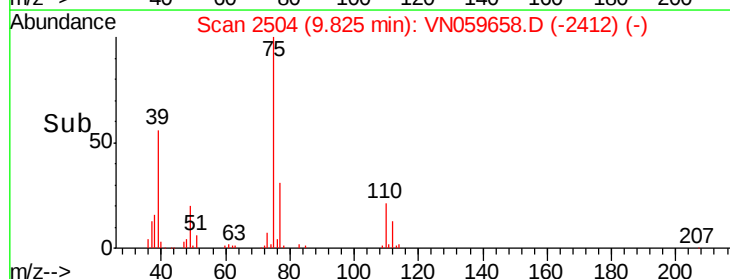
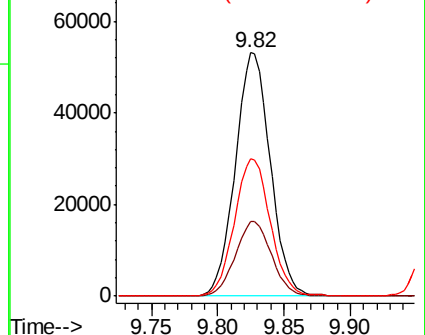
39 56.3 46.1 69.1

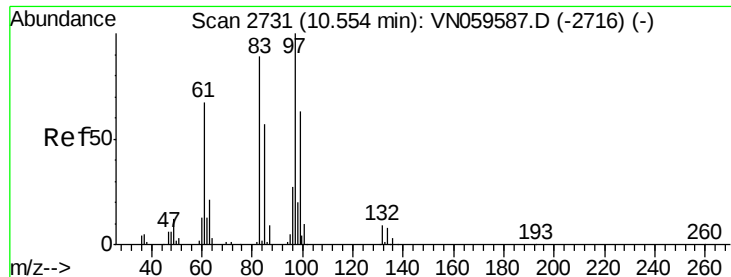


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

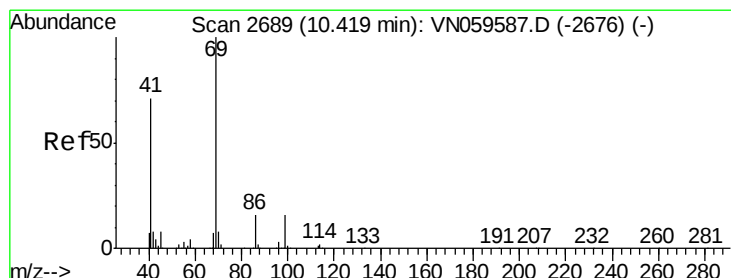
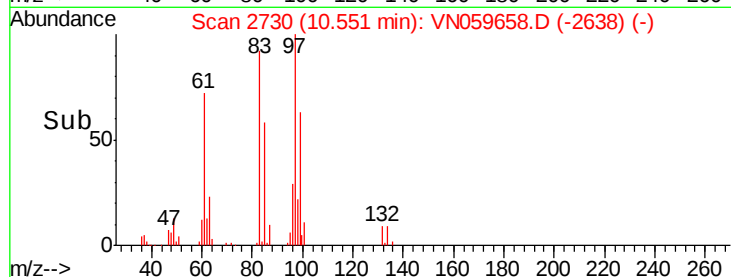
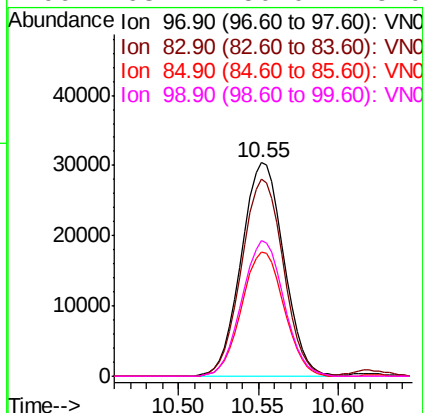
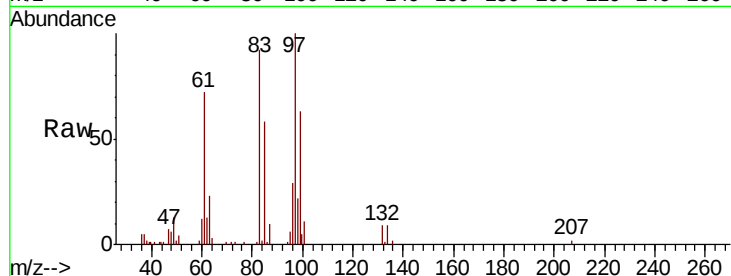




#55
 1,1,2-Trichloroethane
 Concen: 19.720 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

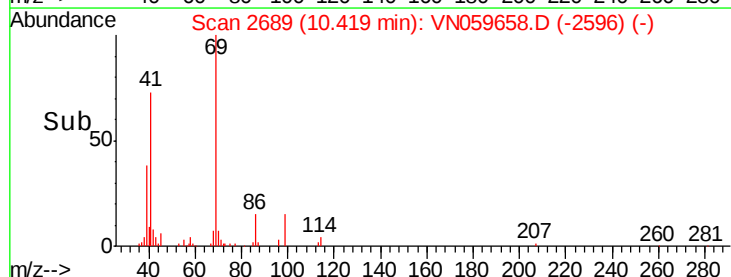
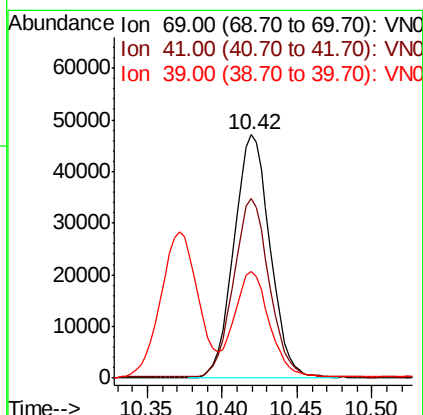
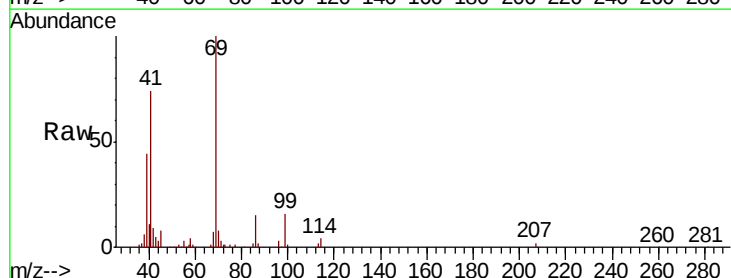
Instrument :
 MSVOA_N
 ClientSampleId :

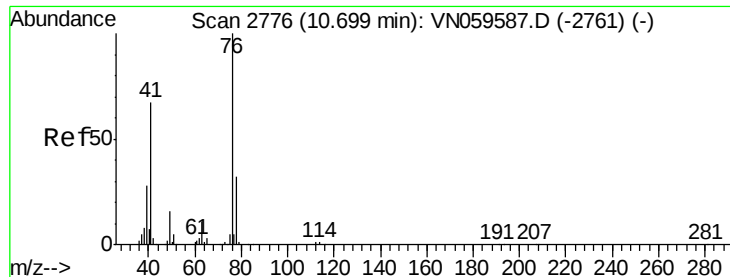
Tot Ion:	97	Resp:	55271
Ion	Ratio	Lower	Upper
97	100		
83	92.4	71.3	106.9
85	58.3	45.8	68.8
99	63.4	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.071 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Tgt Ion:	69	Resp:	79355
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.1	85.7
39	42.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 19.998 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

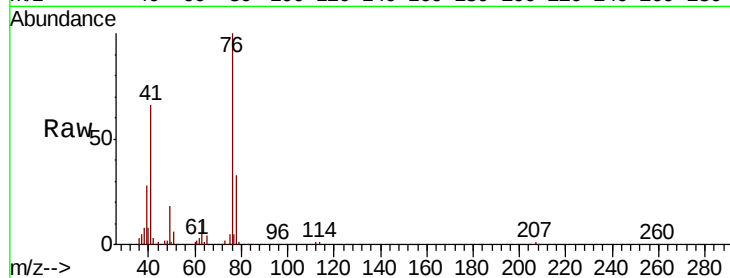
ClientSampled :

Tot Ion: 76 Resp: 97596

Ion Ratio Lower Upper

76 100

78 32.6 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

60000

50000

40000

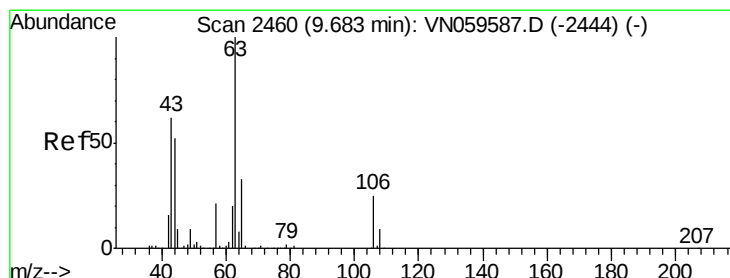
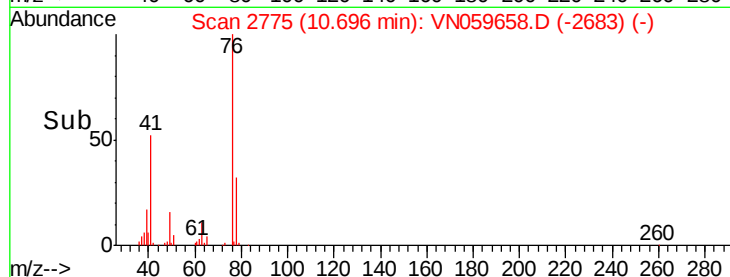
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.440 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059658.D

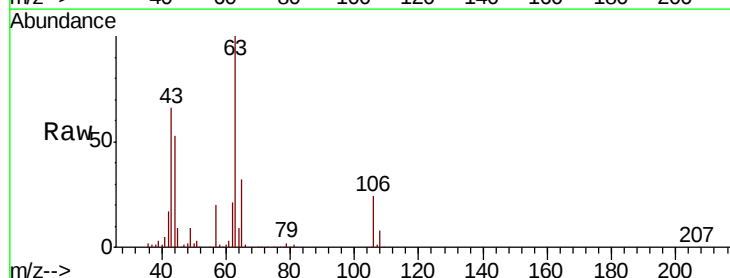
Acq: 18 Dec 2019 18:38

Tgt Ion: 63 Resp: 148798

Ion Ratio Lower Upper

63 100

106 24.3 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

80000

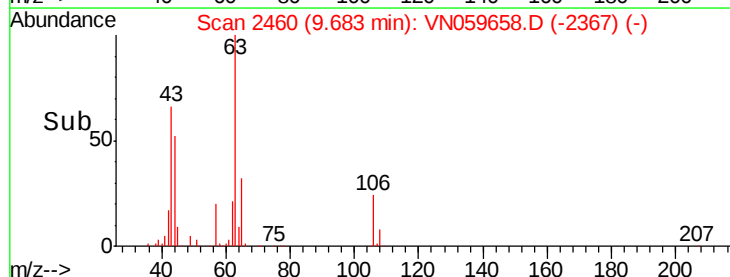
60000

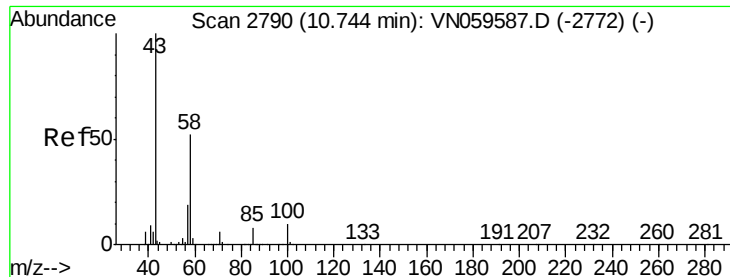
40000

20000

0

Time-->

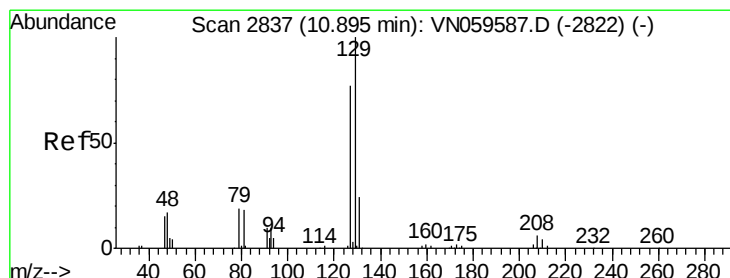
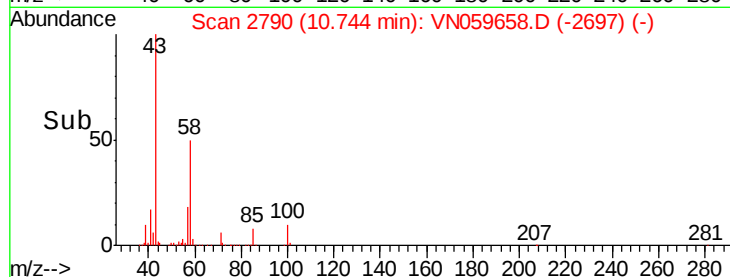
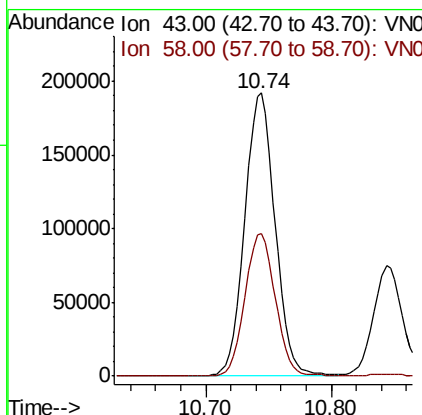
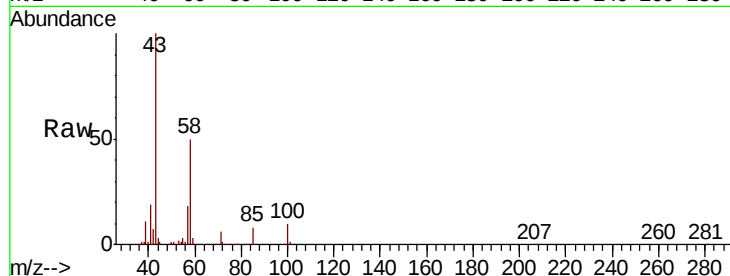




#59
2-Hexanone
Concen: 95.252 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

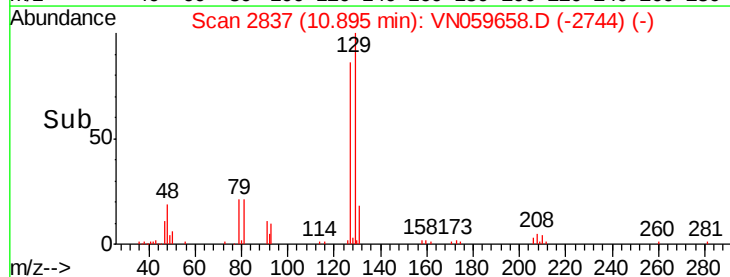
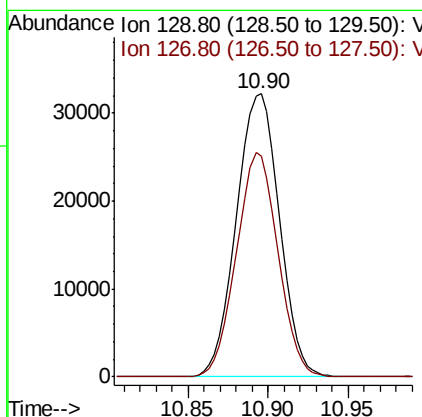
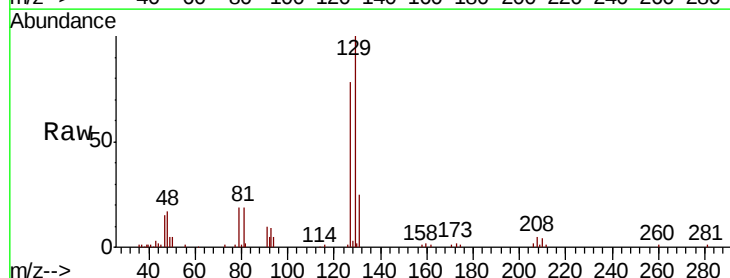
Instrument :
MSVOA_N
ClientSampled :

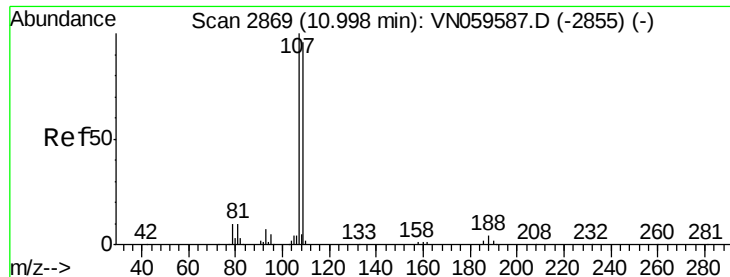
Tot Ion: 43 Resp: 321734
Ion Ratio Lower Upper
43 100
58 50.4 25.8 77.3



#60
Dibromochloromethane
Concen: 19.393 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 129 Resp: 59326
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.036 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

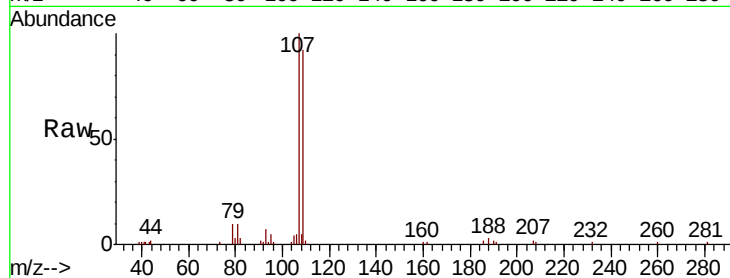
ClientSampled :

Tot Ion: 107 Resp: 56585

Ion Ratio Lower Upper

107 100

109 94.2 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

30000

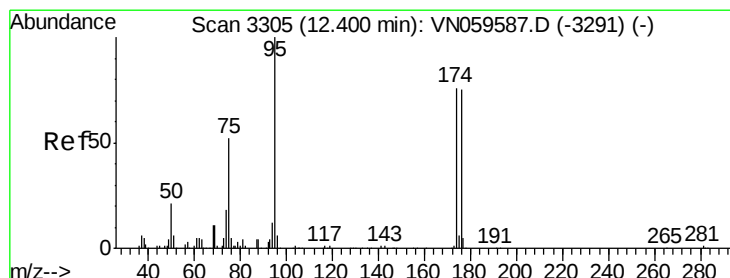
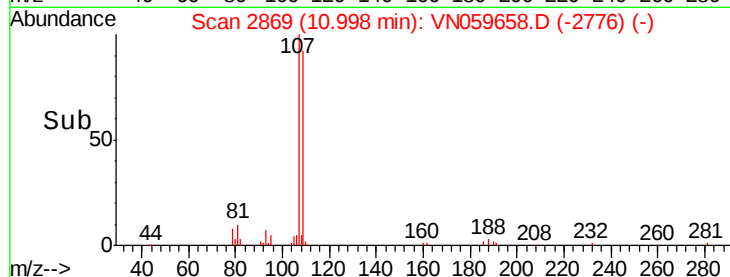
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.004 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

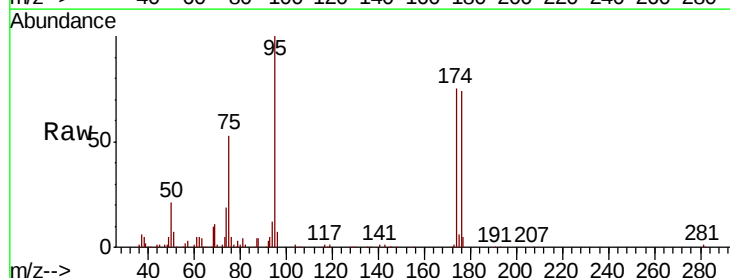
Tgt Ion: 95 Resp: 168960

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

176 73.9 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

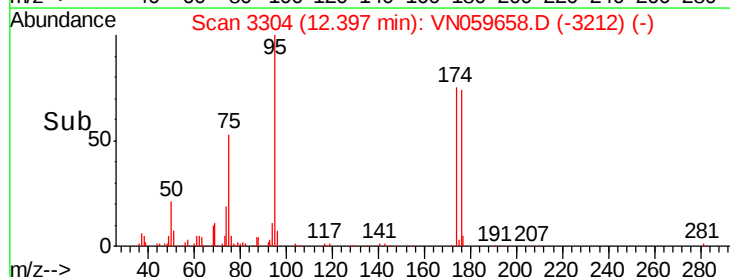
100000

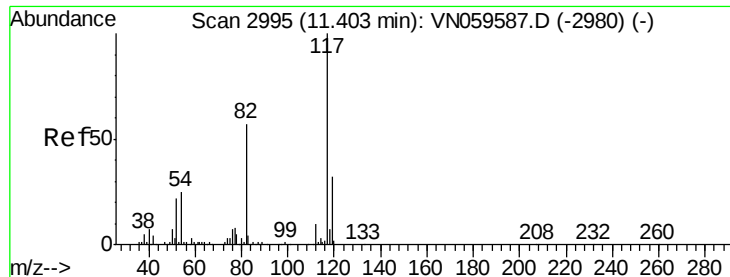
50000

0

Time-->

12.35 12.40 12.45

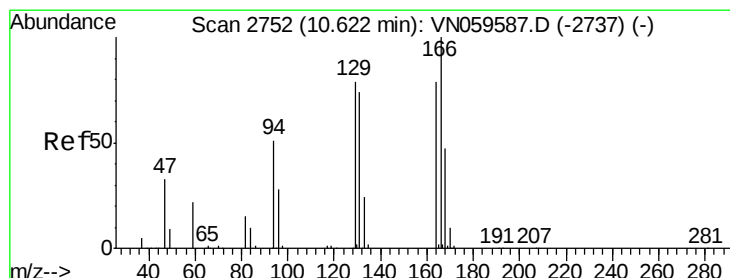
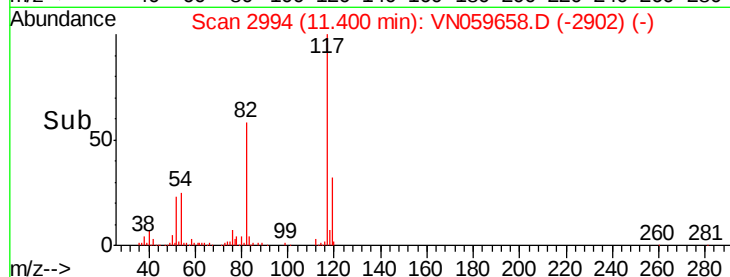
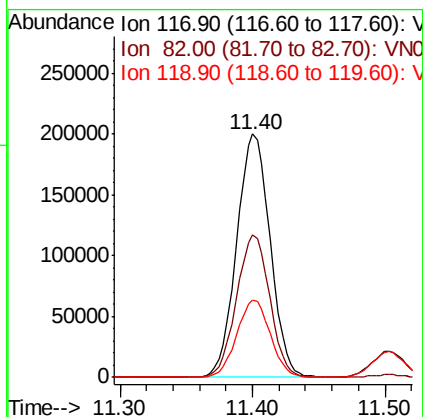
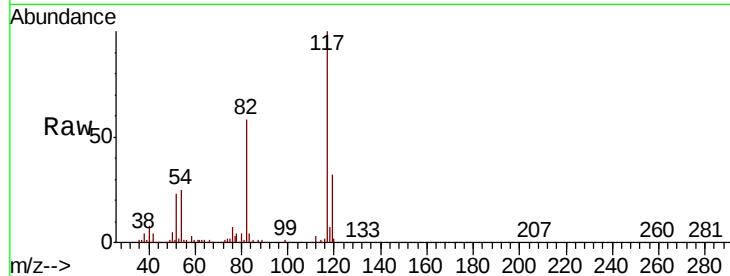




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

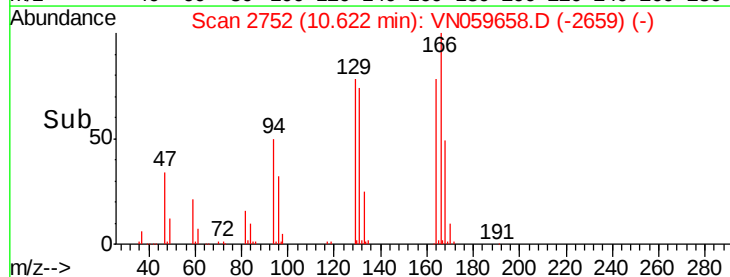
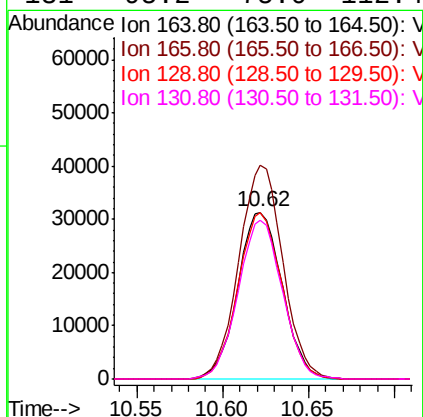
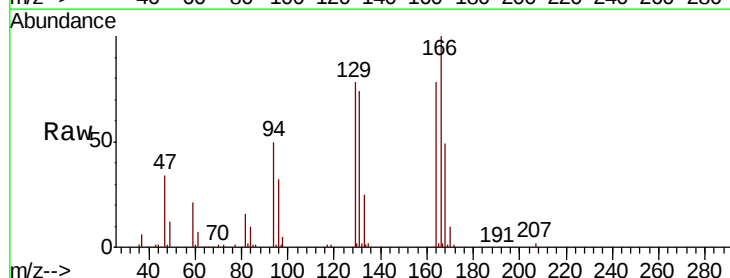
Instrument :
MSVOA_N
ClientSampled :

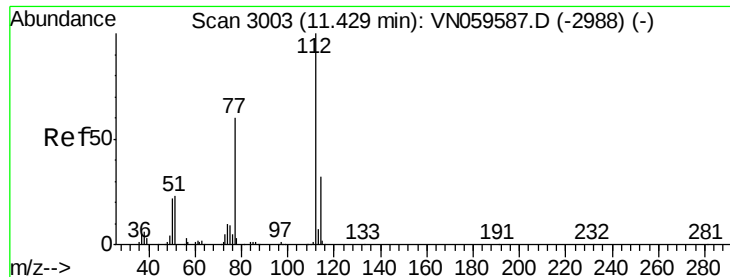
Tot Ion:117 Resp: 350335
Ion Ratio Lower Upper
117 100
82 58.3 45.9 68.9
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 17.224 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion:164 Resp: 56251
Ion Ratio Lower Upper
164 100
166 127.9 101.4 152.0
129 99.6 80.2 120.4
131 95.2 75.0 112.4

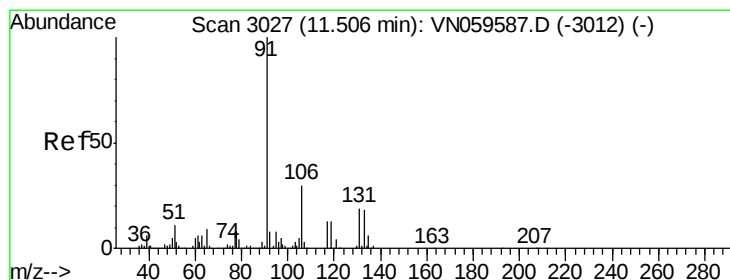
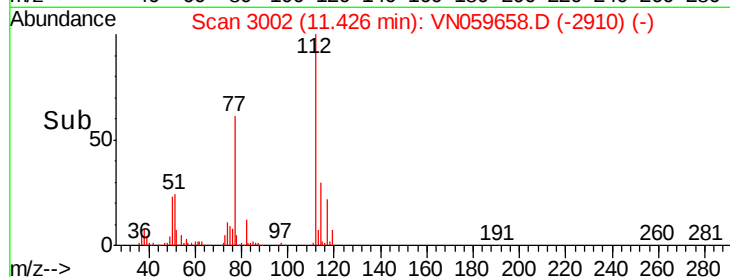
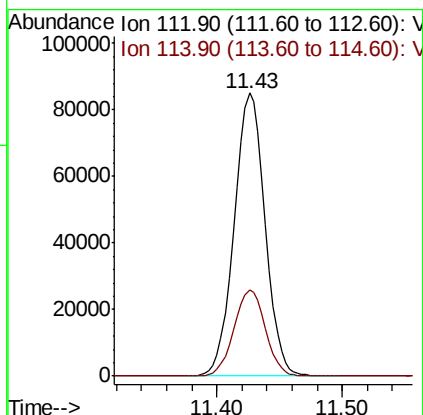
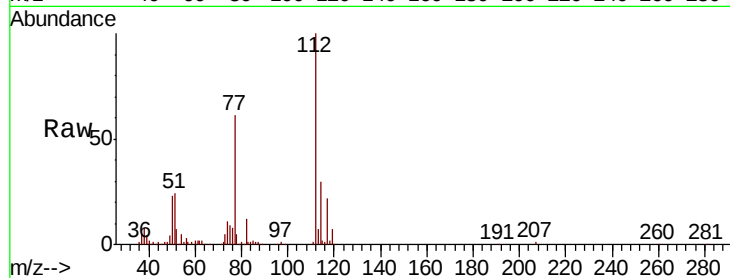




#65
Chlorobenzene
Concen: 19.158 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

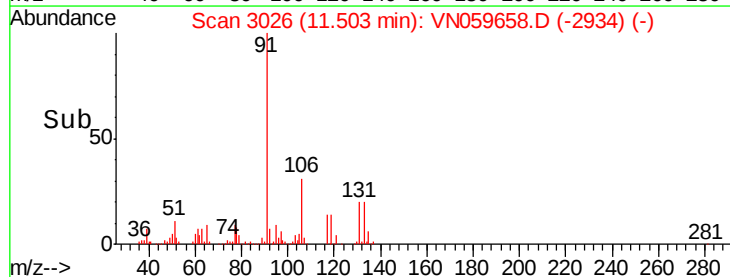
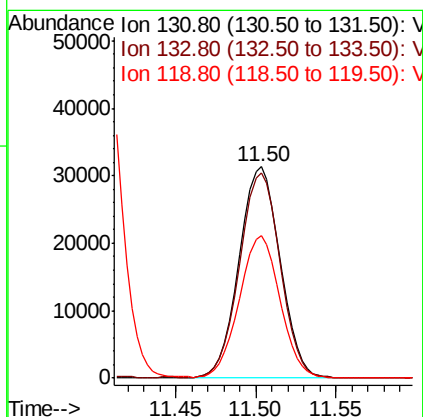
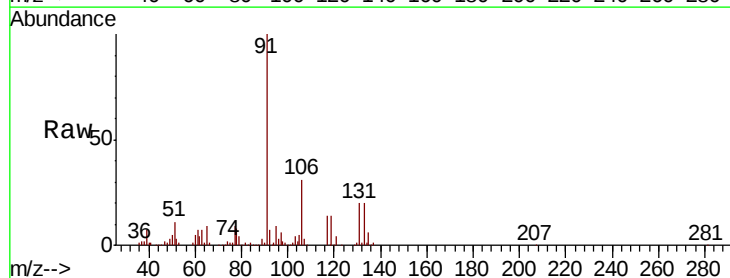
Instrument :
MSVOA_N
ClientSampled :

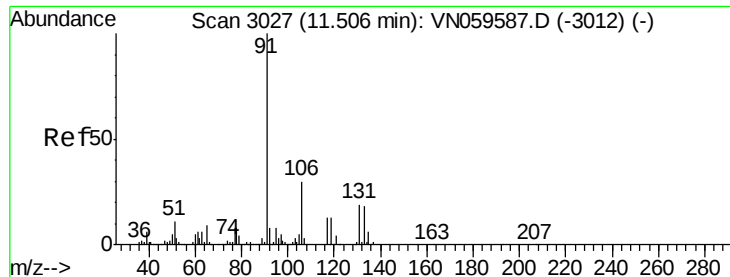
Tot Ion:112 Resp: 145224
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.039 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion:131 Resp: 54818
Ion Ratio Lower Upper
131 100
133 96.6 47.4 142.2
119 67.0 33.1 99.3





#67

Ethyl Benzene

Concen: 19.203 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

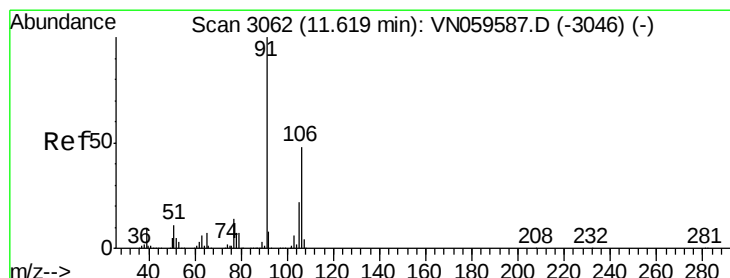
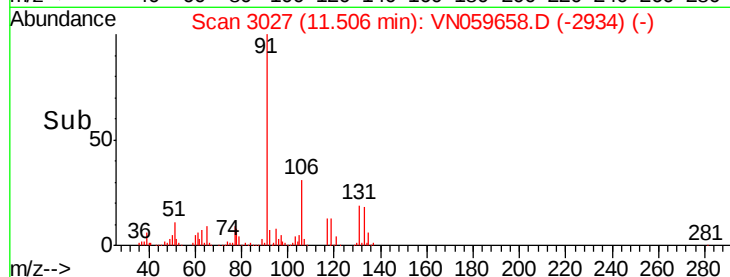
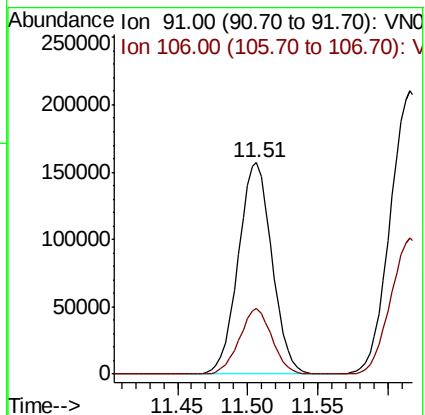
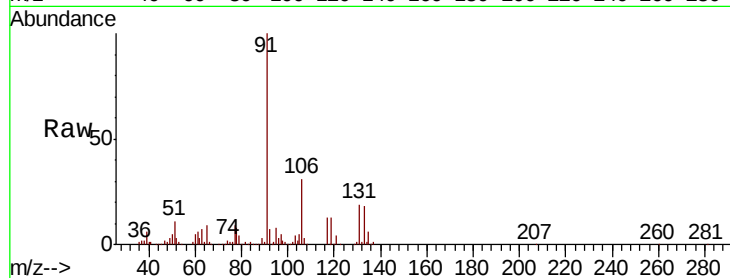
ClientSampled :

Tot Ion: 91 Resp: 262760

Ion Ratio Lower Upper

91 100

106 31.0 24.1 36.1



#68

m/p-Xylenes

Concen: 38.348 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059658.D

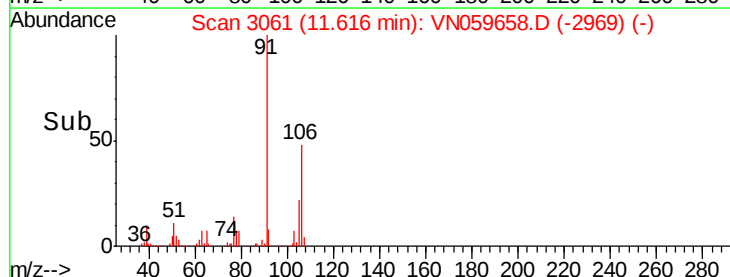
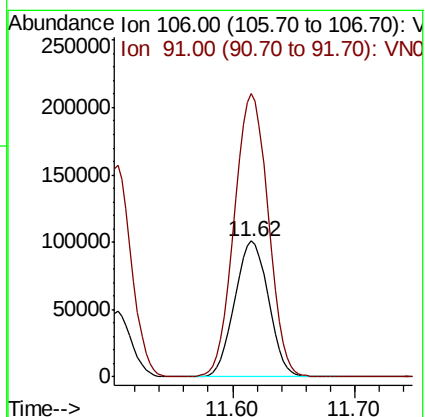
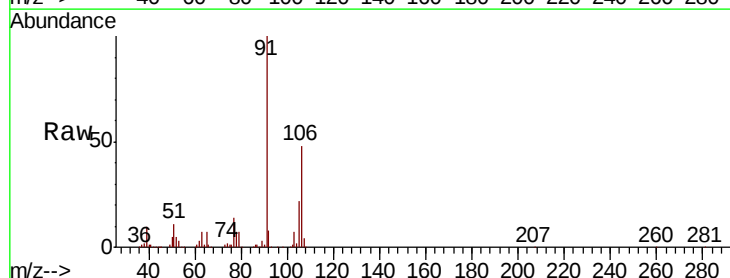
Acq: 18 Dec 2019 18:38

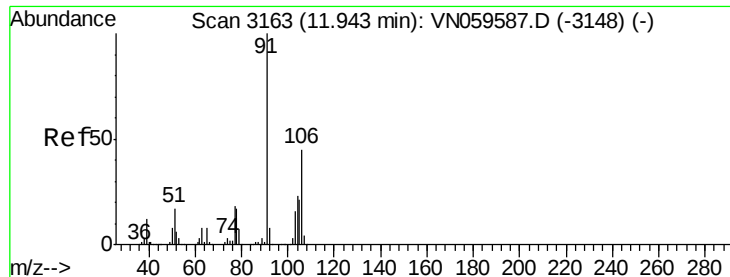
Tgt Ion: 106 Resp: 193759

Ion Ratio Lower Upper

106 100

91 208.9 167.9 251.9





#69

o-Xylene

Concen: 19.082 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

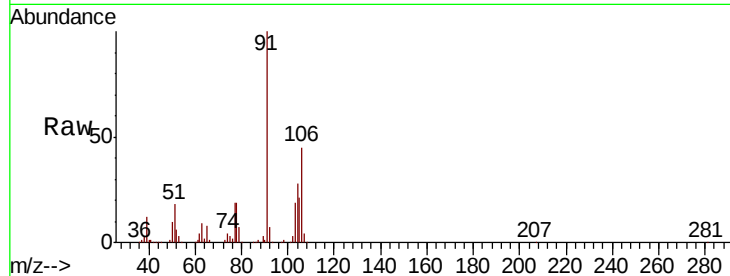
ClientSampleId :

Tot Ion:106 Resp: 91739

Ion Ratio Lower Upper

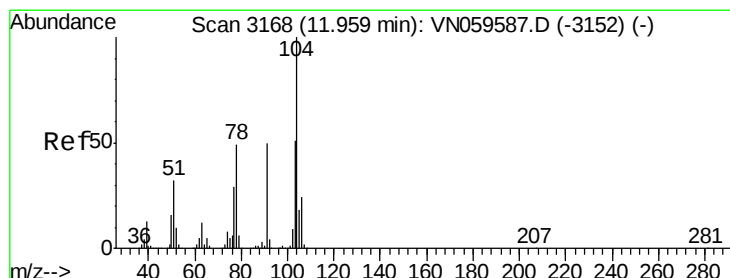
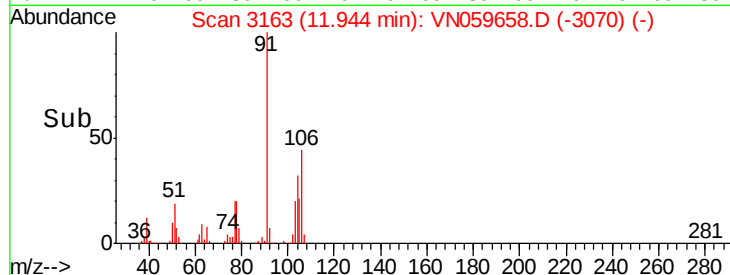
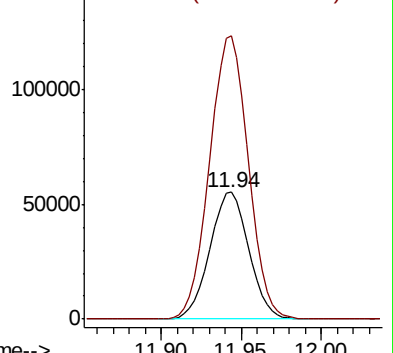
106 100

91 222.3 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.686 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

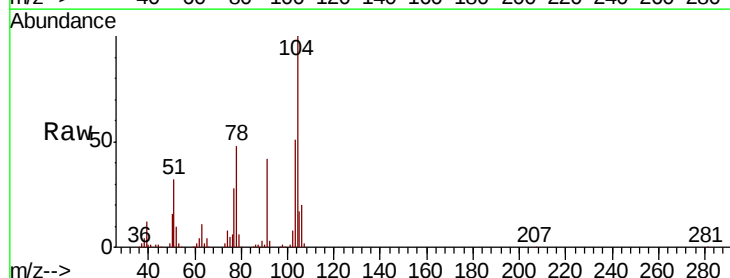
Tgt Ion:104 Resp: 144335

Ion Ratio Lower Upper

104 100

78 53.9 42.4 63.6

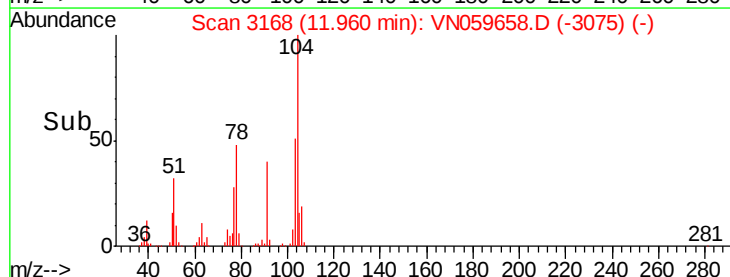
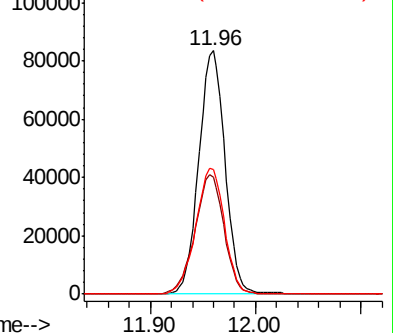
103 56.7 43.9 65.9

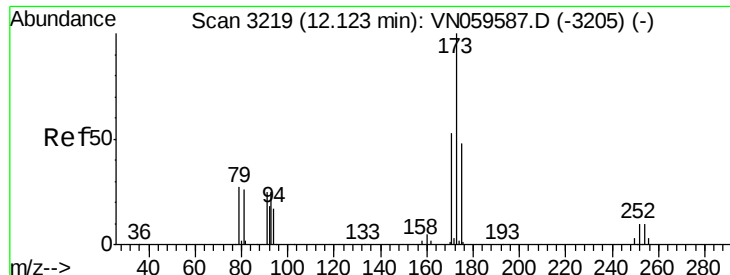


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

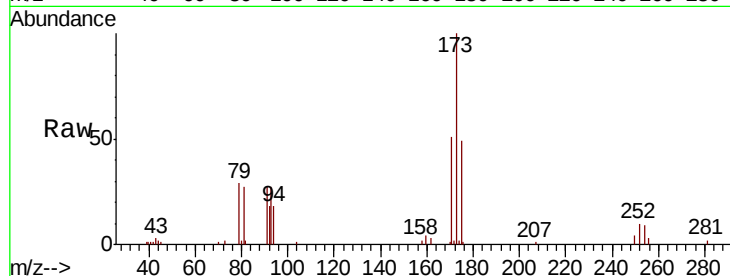




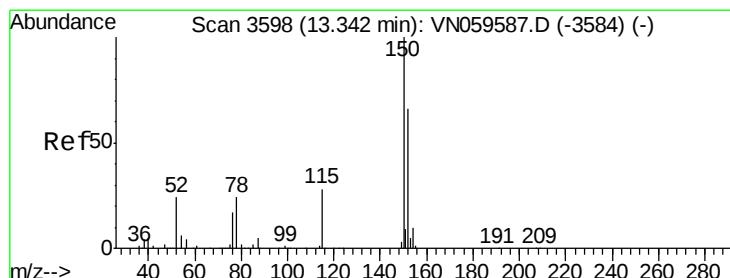
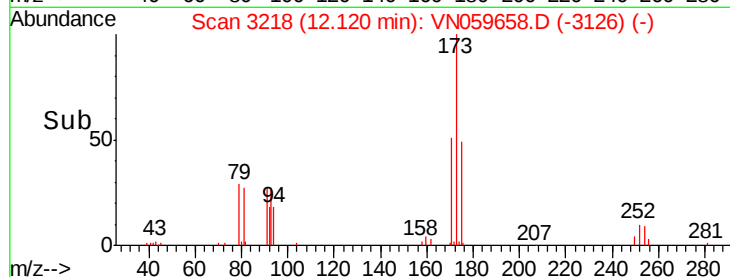
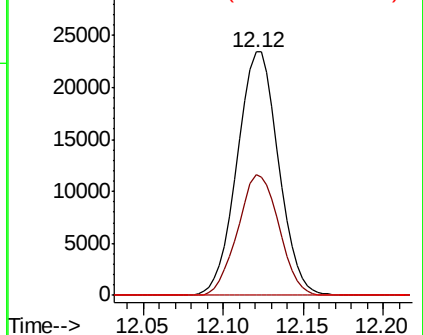
#71
Bromoform
Concen: 19.113 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 41368
Ion Ratio Lower Upper
173 100
175 49.3 23.8 71.4
254 0.0 0.0 0.0

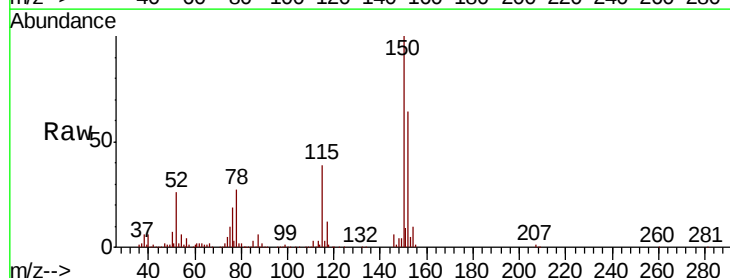


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

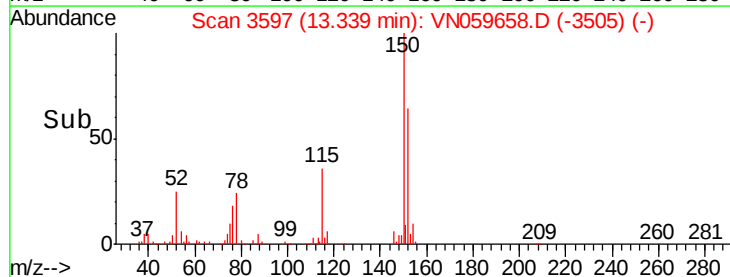
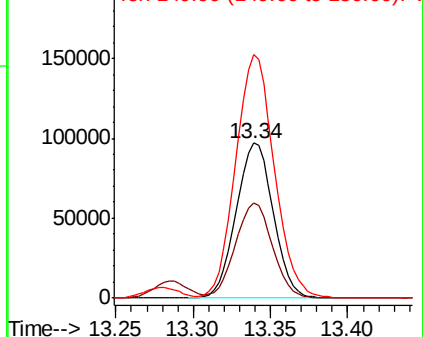


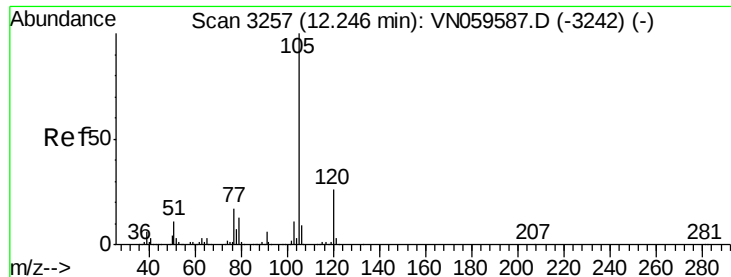
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion:152 Resp: 161895
Ion Ratio Lower Upper
152 100
115 61.3 30.3 90.9
150 163.4 0.0 345.2



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: 19.674 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

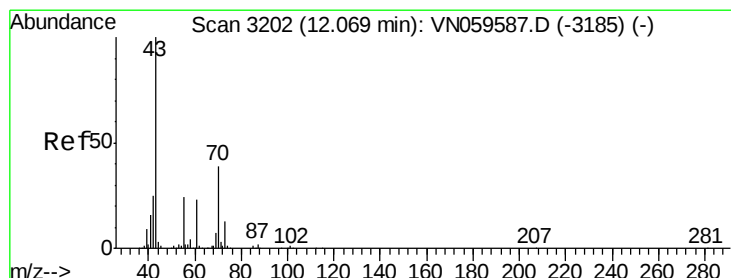
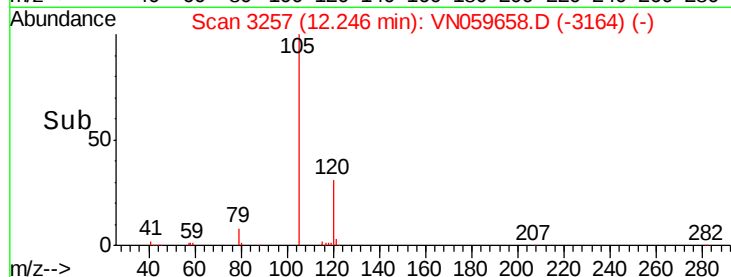
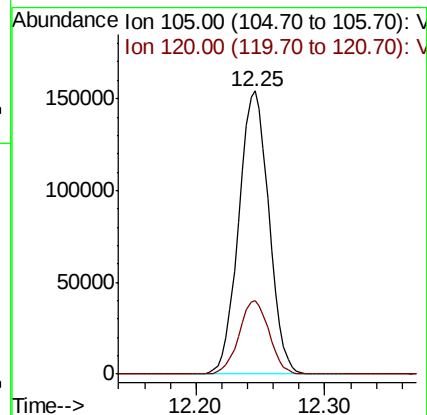
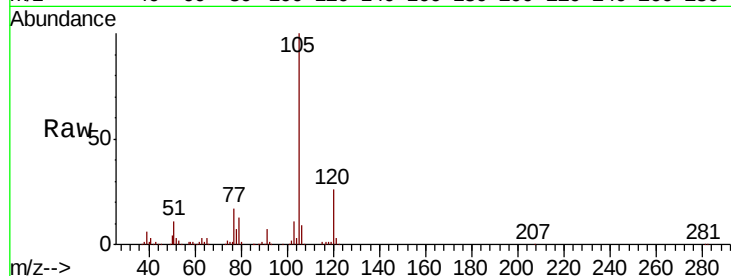
ClientSampleId :

Tot Ion:105 Resp: 250032

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.5



#74

N-ethyl acetate

Concen: 19.118 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Tgt Ion: 43 Resp: 111453

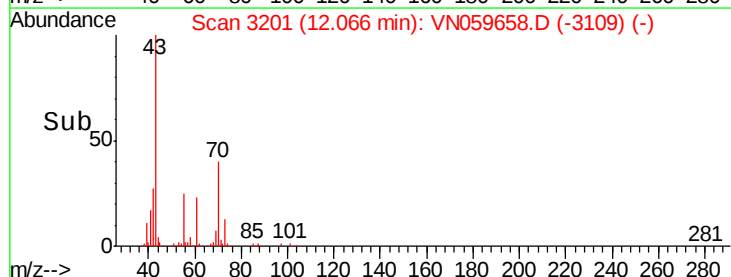
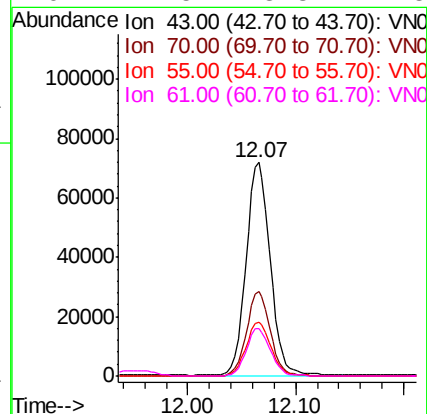
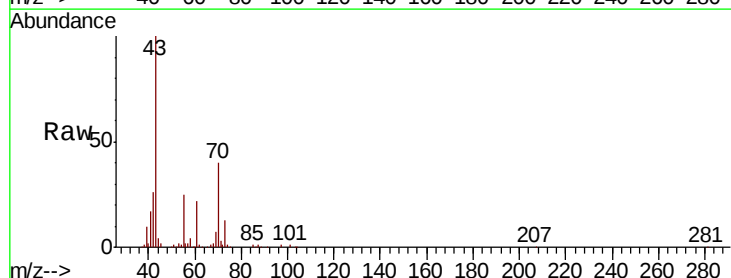
Ion Ratio Lower Upper

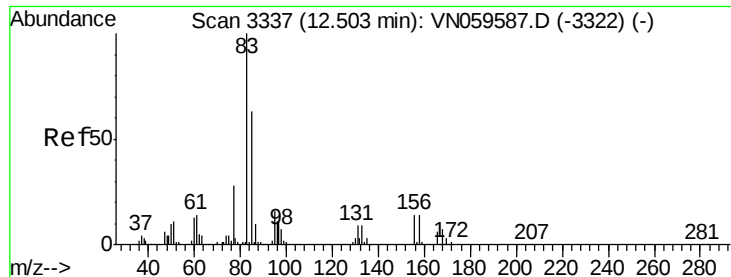
43 100

70 38.8 31.3 46.9

55 26.2 19.8 29.6

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.863 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

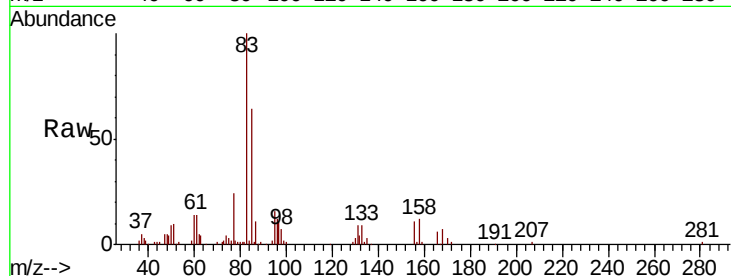
Tot Ion: 83 Resp: 80075

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

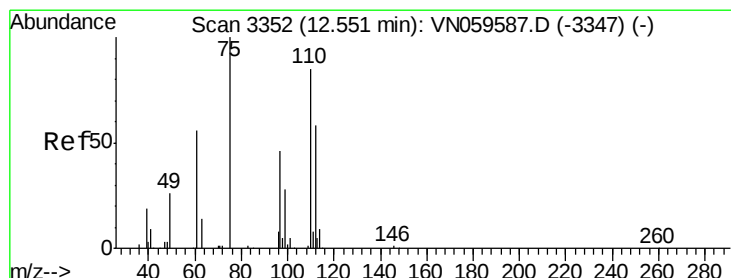
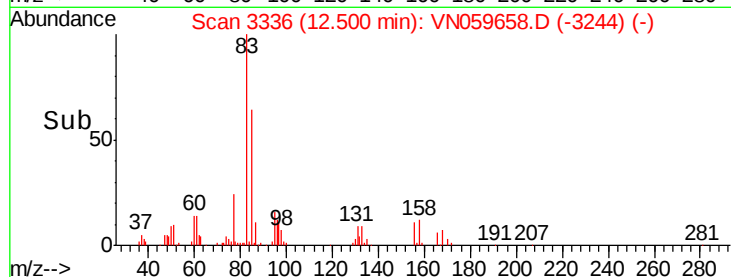
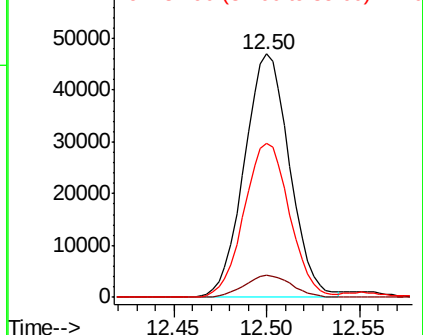
85 63.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.942 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059658.D

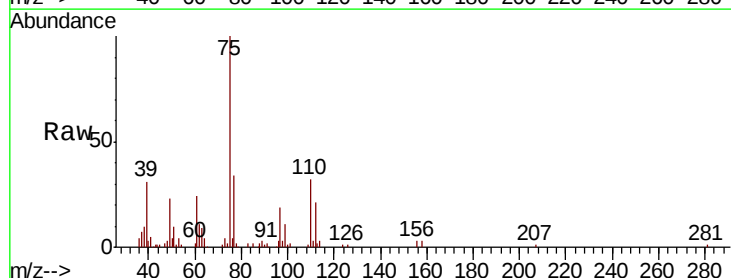
Acq: 18 Dec 2019 18:38

Tgt Ion: 75 Resp: 115992

Ion Ratio Lower Upper

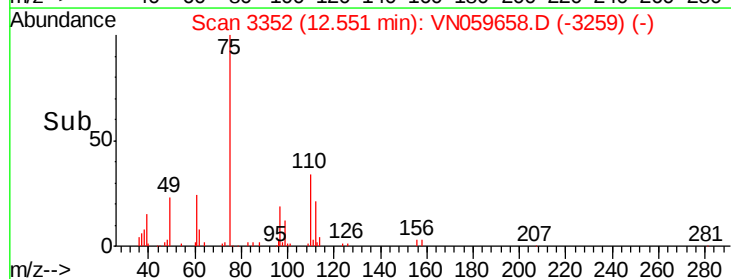
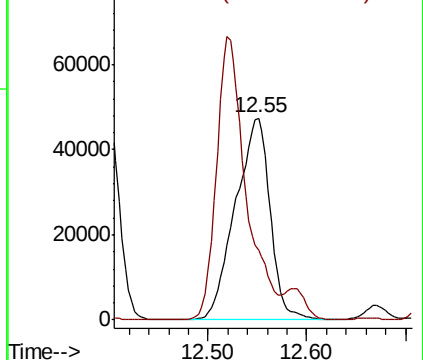
75 100

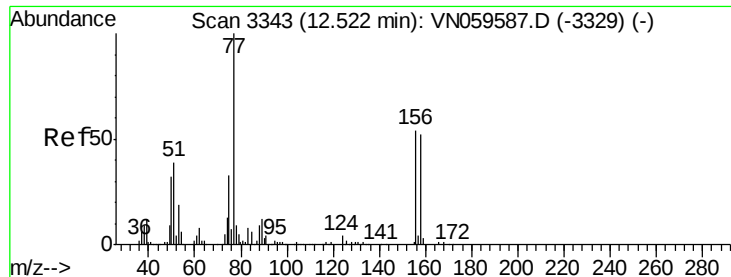
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.885 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

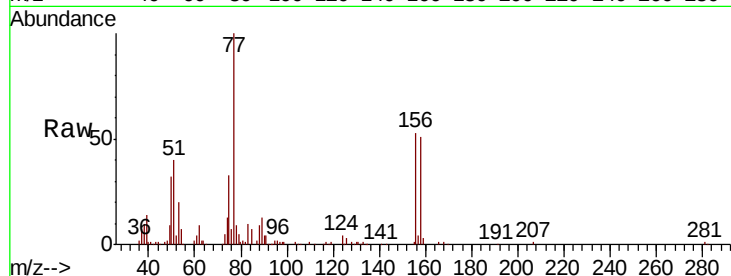
Tot Ion:156 Resp: 59024

Ion Ratio Lower Upper

156 100

77 236.8 115.8 347.4

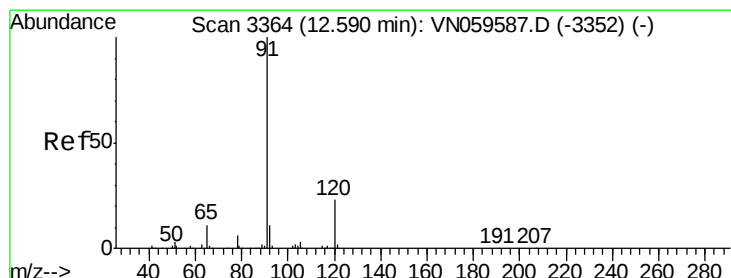
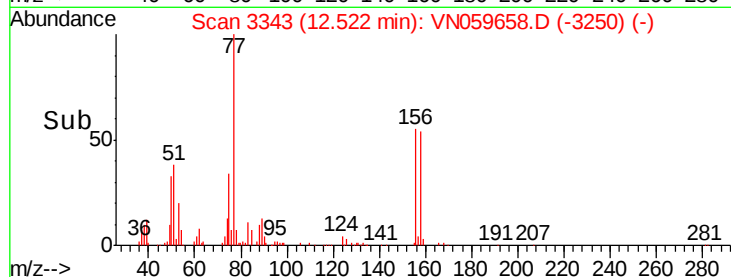
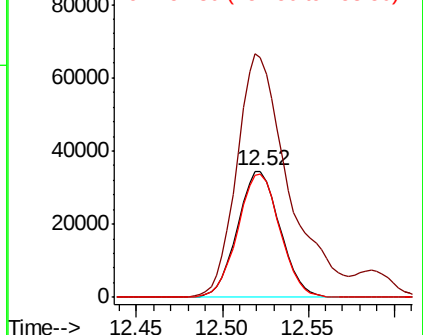
158 97.5 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.664 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059658.D

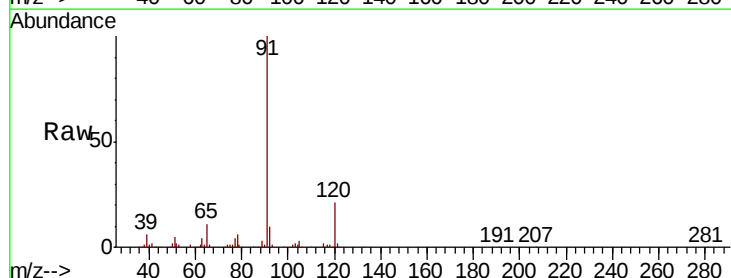
Acq: 18 Dec 2019 18:38

Tgt Ion: 91 Resp: 295413

Ion Ratio Lower Upper

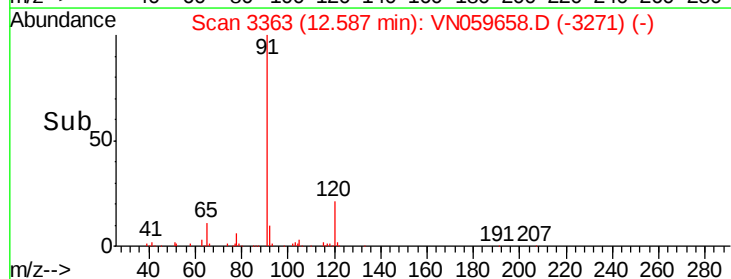
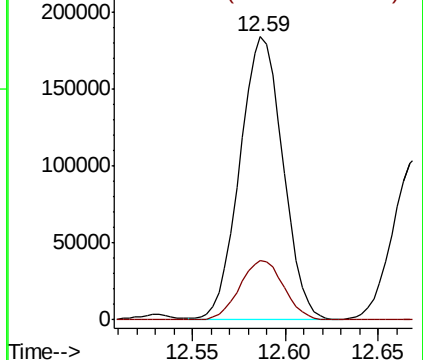
91 100

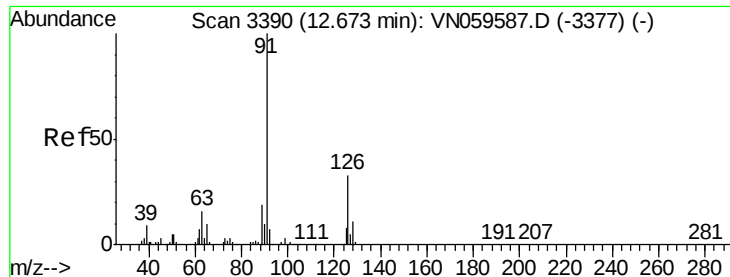
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

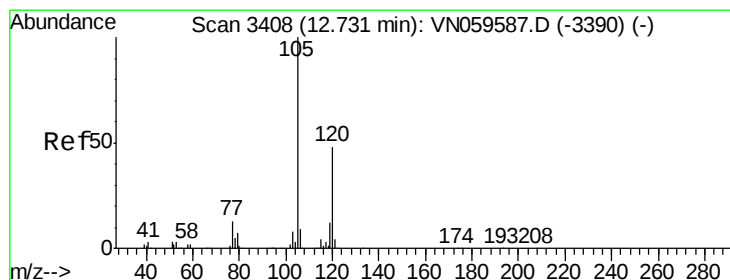
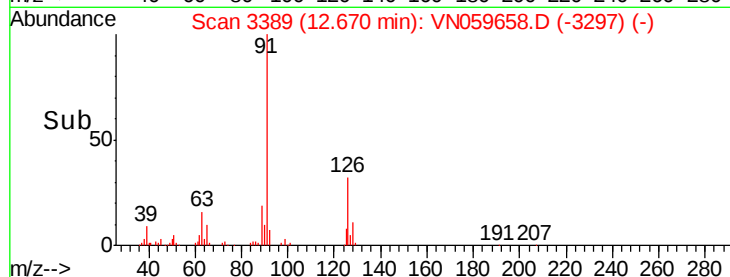
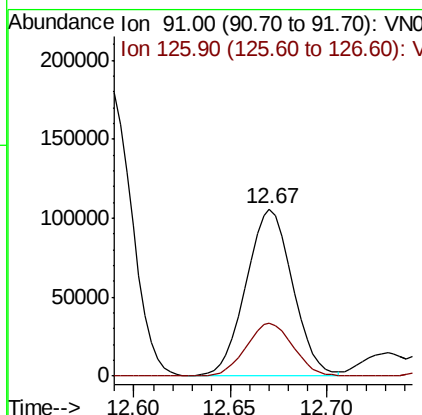
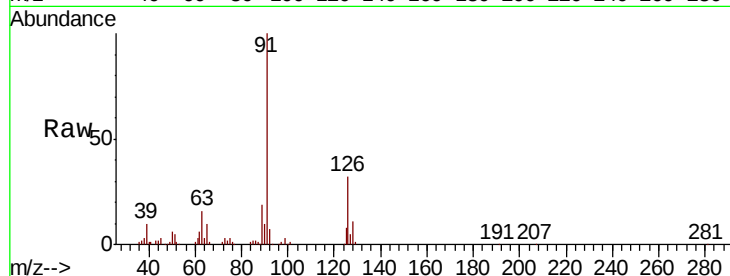




#79
 2-Chlorotoluene
 Concen: 19.409 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

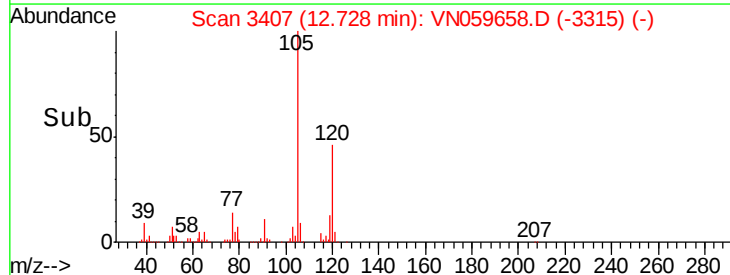
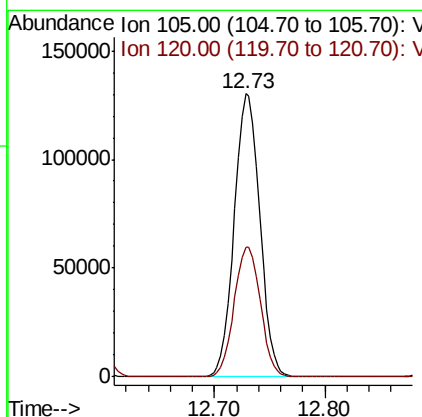
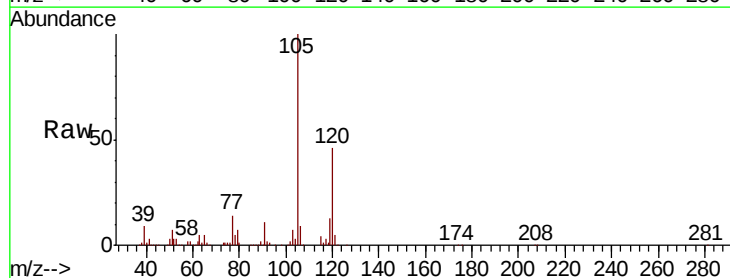
Instrument :
 MSVOA_N
 ClientSampled :

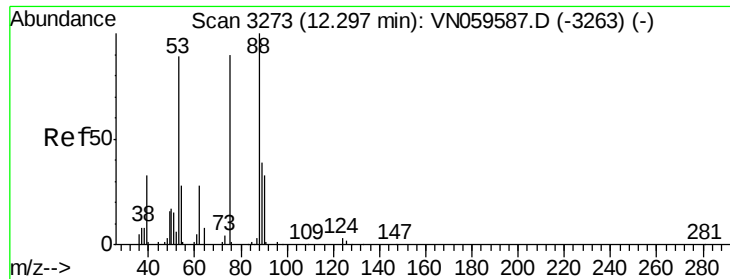
Tot Ion: 91 Resp: 176314
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 19.564 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN059658.D
 Acq: 18 Dec 2019 18:38

Tgt Ion: 105 Resp: 210410
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.1 72.4

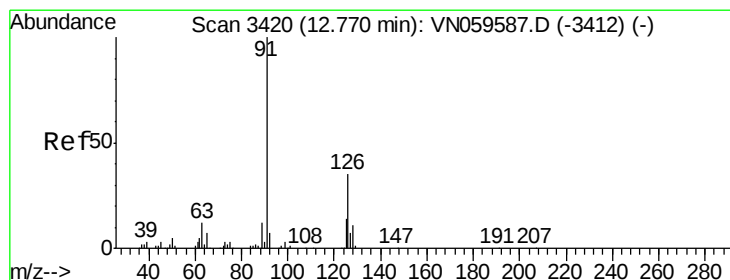
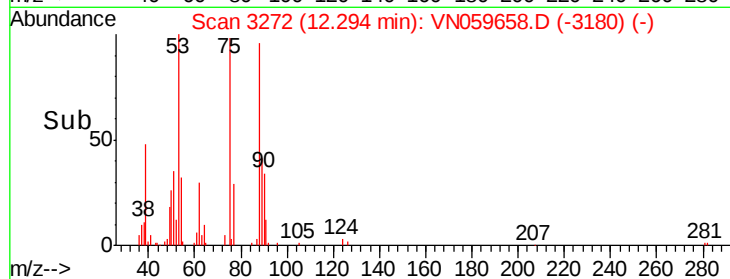
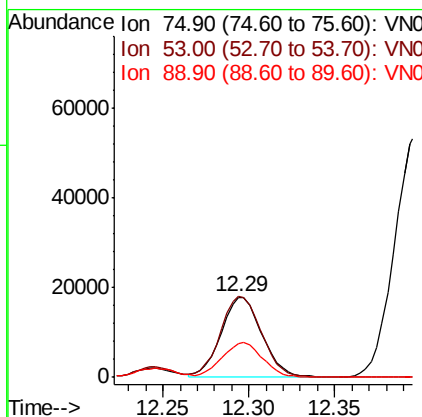
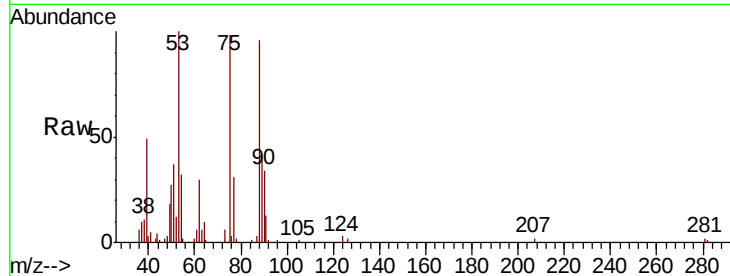




#81
trans-1,4-Dichloro-2-butene
Concen: 18.277 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

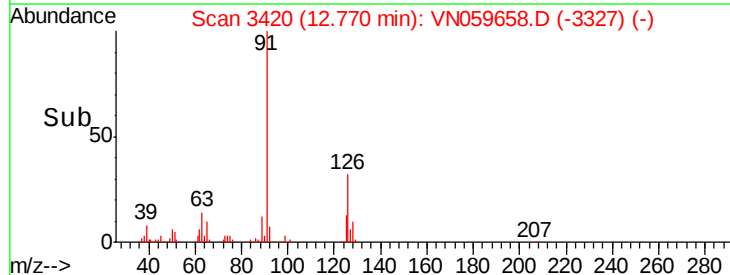
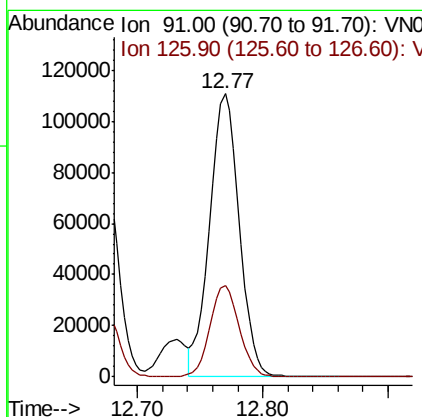
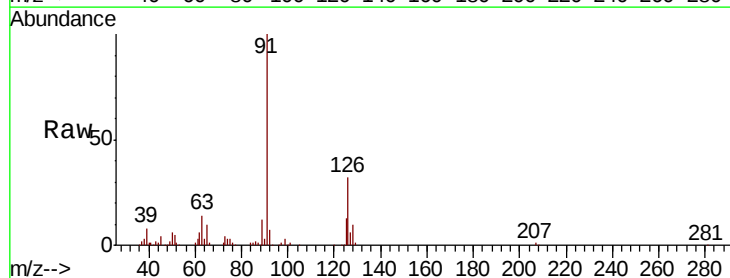
Instrument :
MSVOA_N
ClientSampleId :

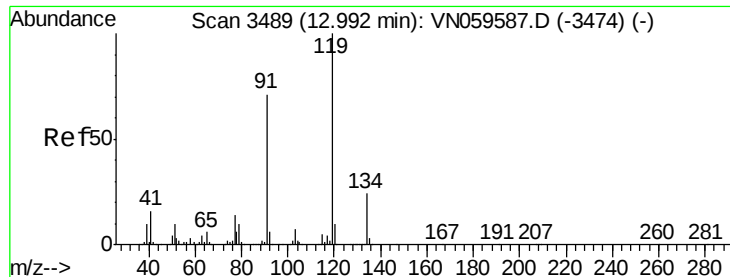
Tot Ion: 75 Resp: 29658
Ion Ratio Lower Upper
75 100
53 101.7 78.1 117.1
89 42.6 35.4 53.2



#82
4-Chlorotoluene
Concen: 19.554 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion: 91 Resp: 181875
Ion Ratio Lower Upper
91 100
126 31.8 16.3 48.8





#83

tert-Butylbenzene

Concen: 19.294 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

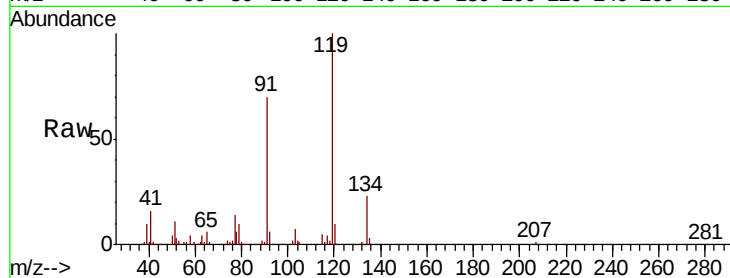
Tot Ion:119 Resp: 175732

Ion Ratio Lower Upper

119 100

91 68.5 34.8 104.4

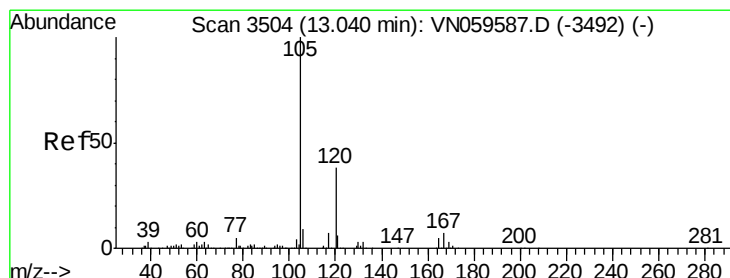
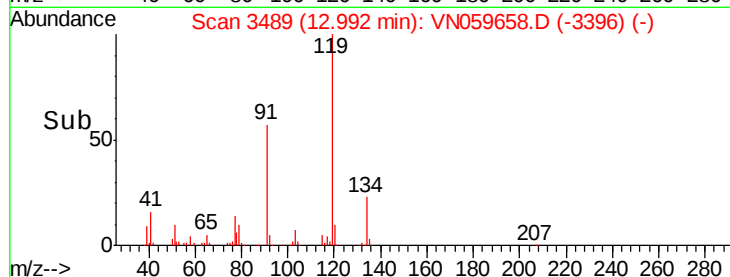
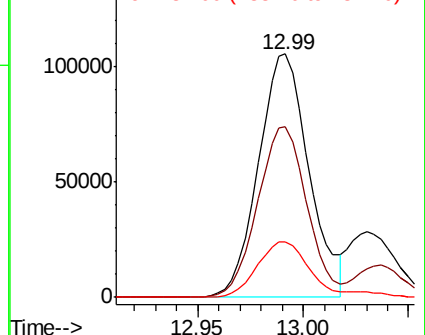
134 23.3 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.435 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059658.D

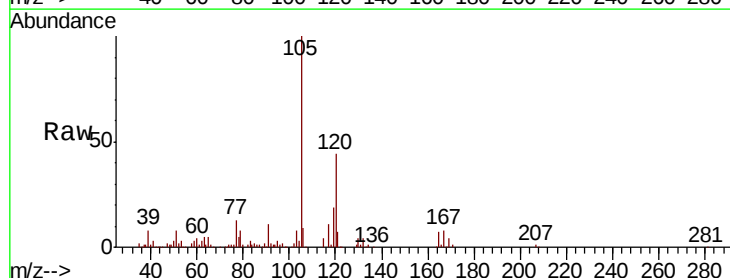
Acq: 18 Dec 2019 18:38

Tgt Ion:105 Resp: 207841

Ion Ratio Lower Upper

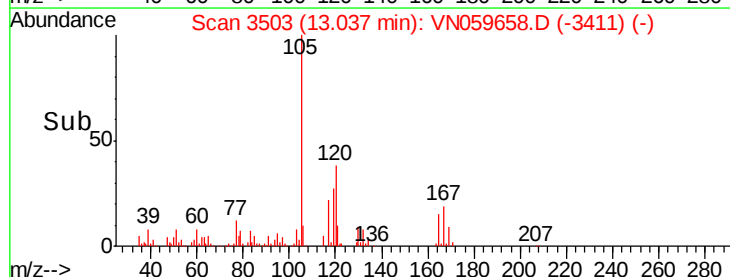
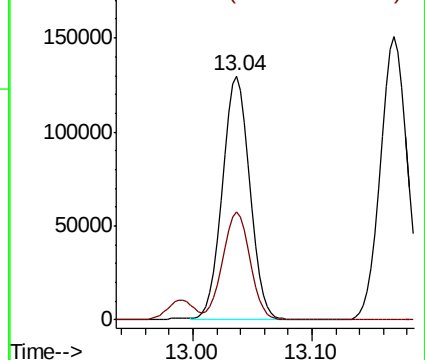
105 100

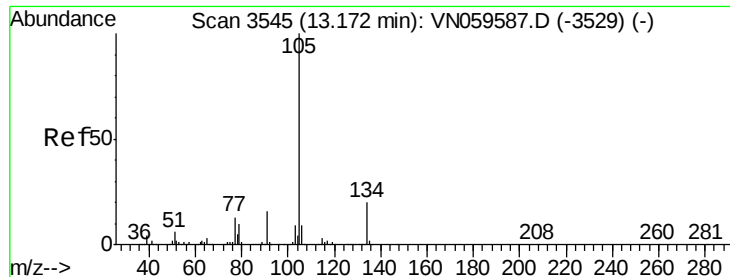
120 44.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.569 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

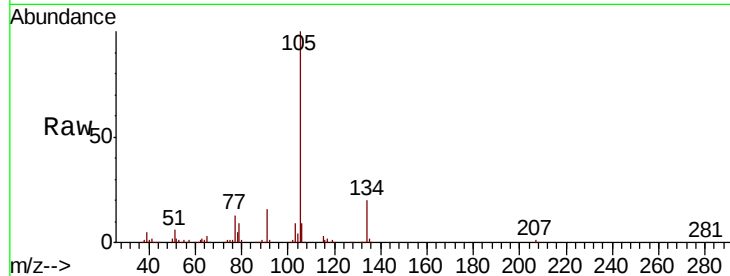
ClientSampleId :

Tot Ion:105 Resp: 237090

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

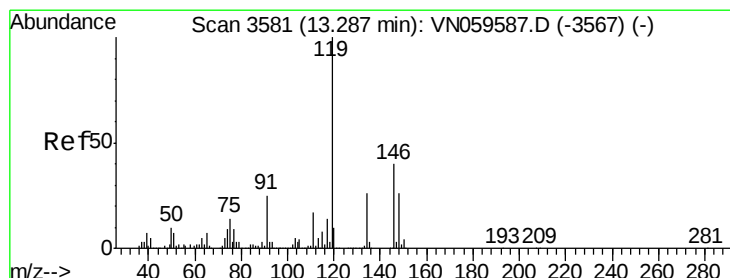
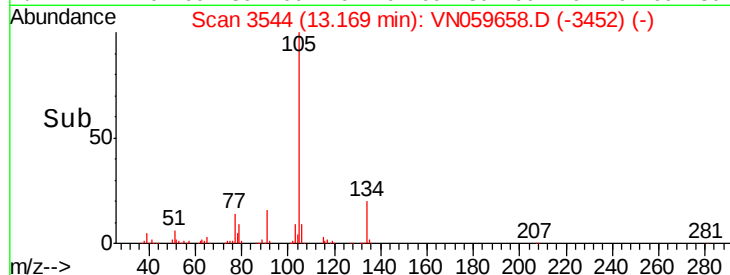
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.170 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

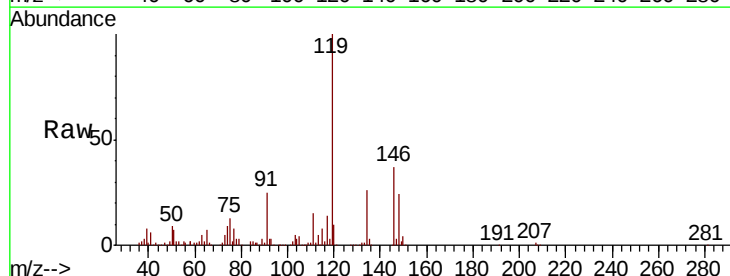
Tgt Ion:119 Resp: 210351

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 25.0 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

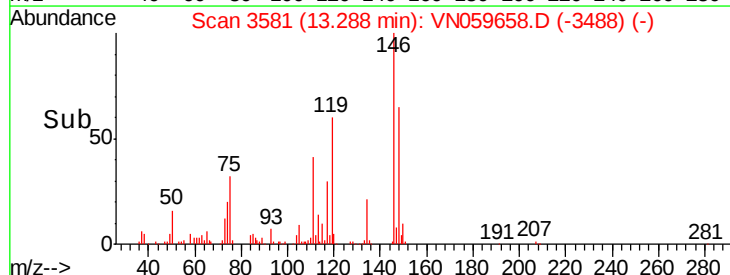
100000

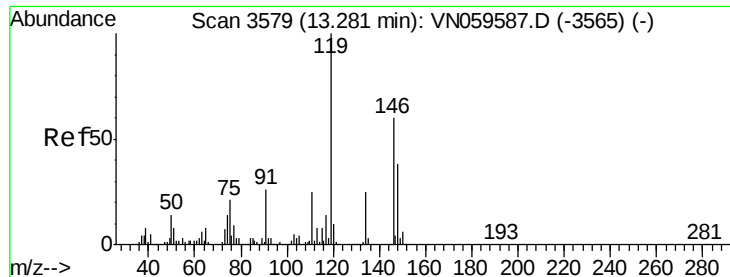
50000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.810 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

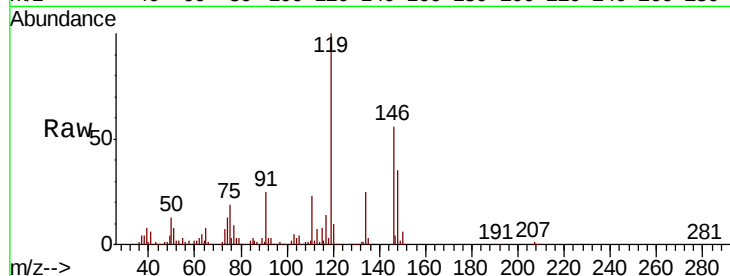
Tot Ion:146 Resp: 108102

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.2

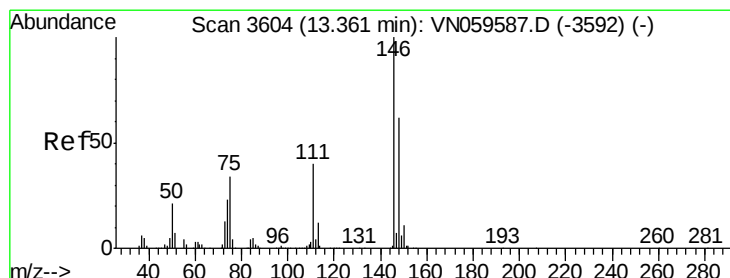
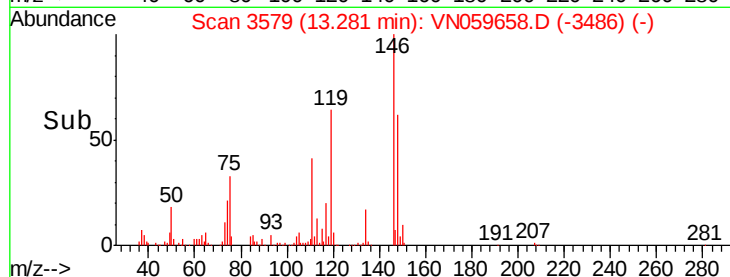
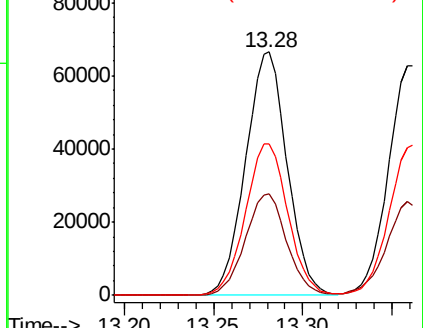
148 63.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.449 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

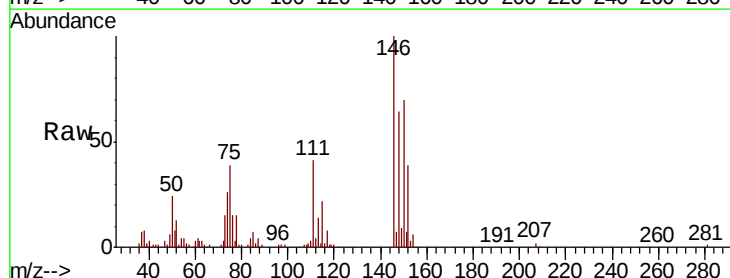
Tgt Ion:146 Resp: 106901

Ion Ratio Lower Upper

146 100

111 41.3 20.8 62.2

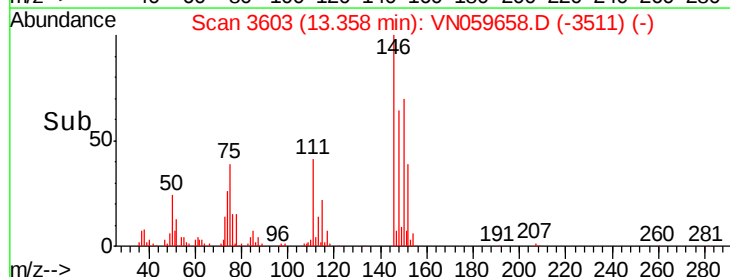
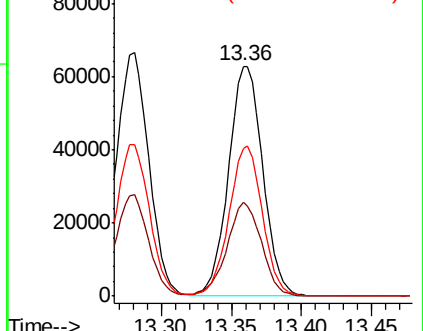
148 63.6 31.8 95.4

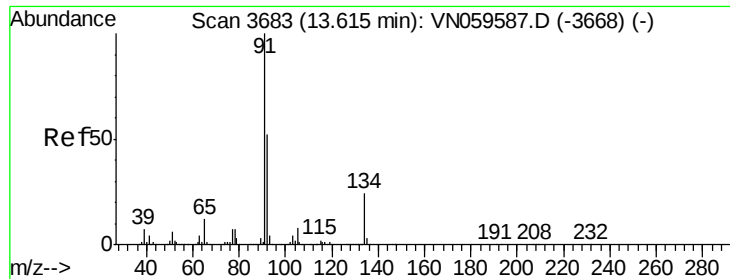


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.965 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

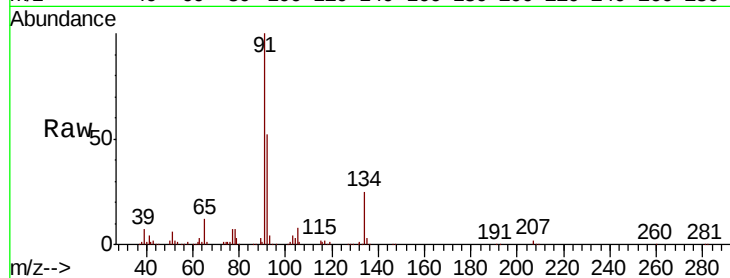
Tot Ion: 91 Resp: 184812

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.7

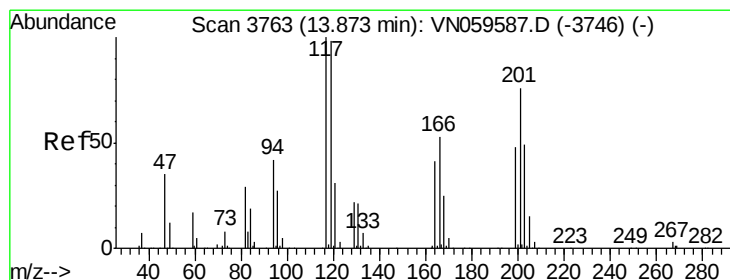
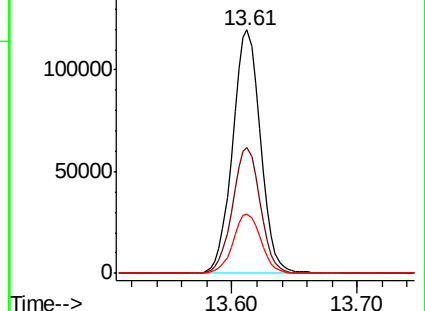
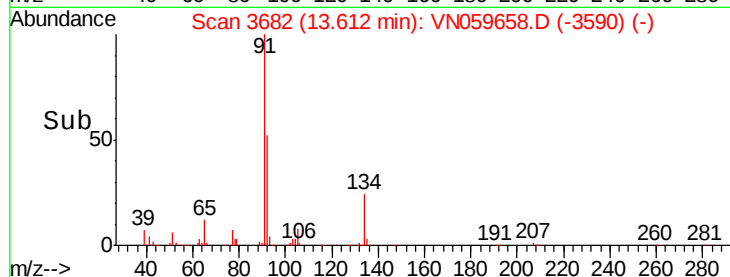
134 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.705 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059658.D

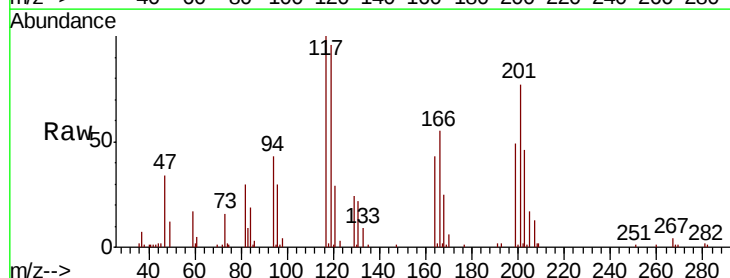
Acq: 18 Dec 2019 18:38

Tgt Ion: 117 Resp: 40870

Ion Ratio Lower Upper

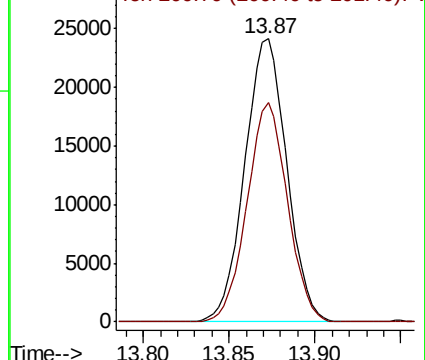
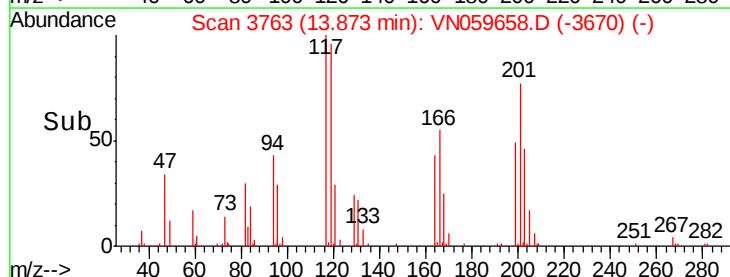
117 100

201 74.5 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)





#91

1,2-Dichlorobenzene

Concen: 18.662 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

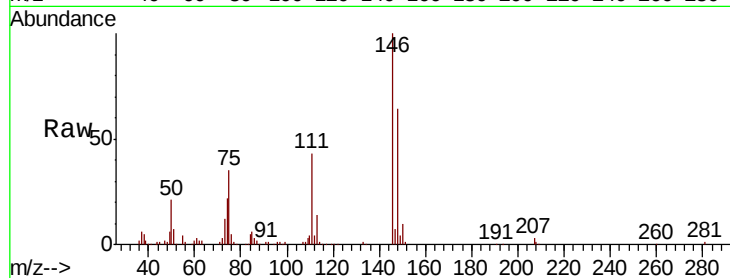
Tot Ion:146 Resp: 105774

Ion Ratio Lower Upper

146 100

111 43.8 21.6 64.8

148 64.6 31.6 95.0

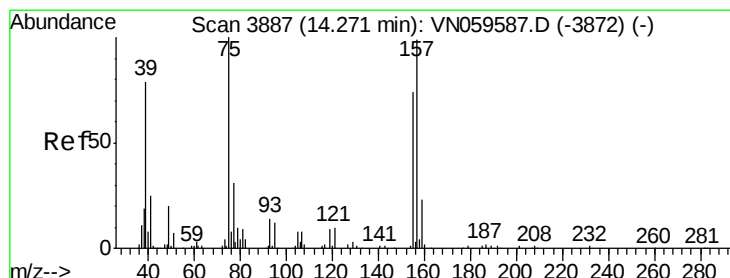
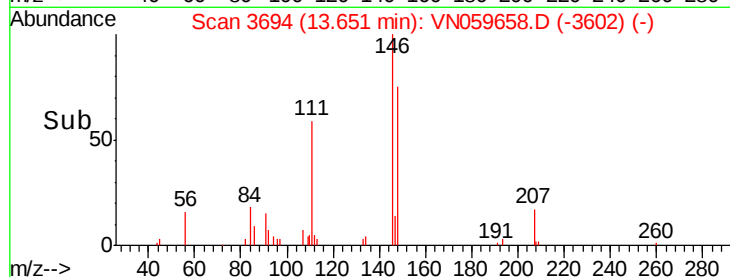
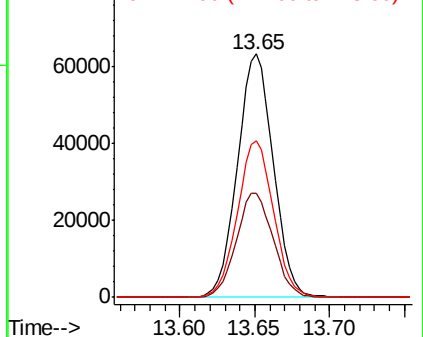


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.331 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

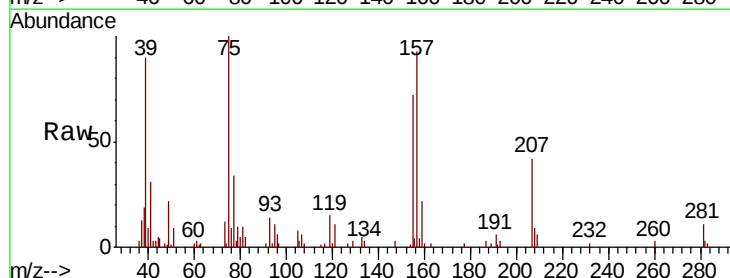
Tgt Ion: 75 Resp: 19451

Ion Ratio Lower Upper

75 100

155 68.0 37.0 110.9

157 89.3 48.4 145.2

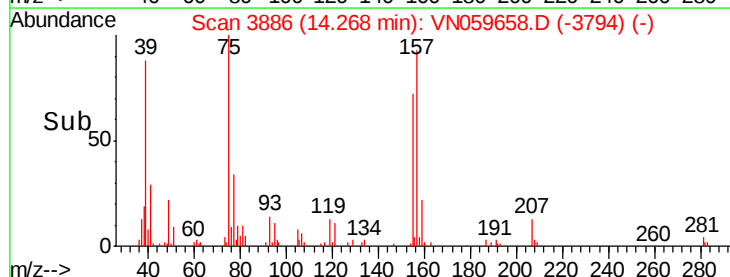
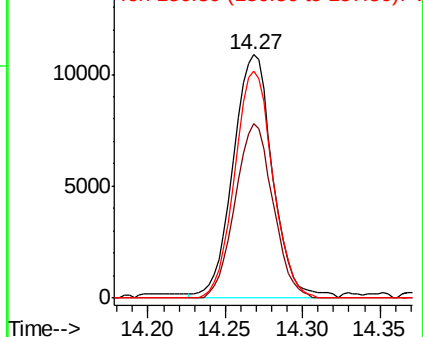


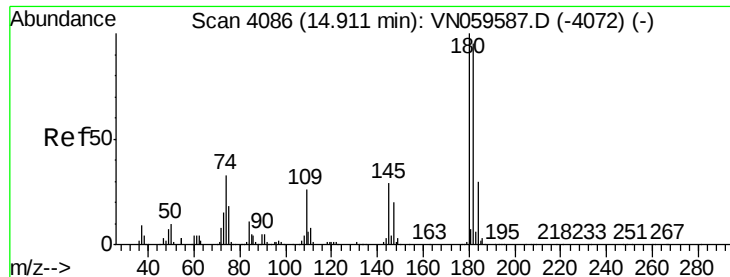
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 16.583 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

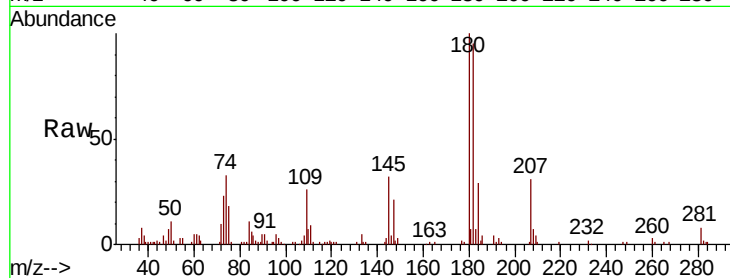
Tot Ion:180 Resp: 60694

Ion Ratio Lower Upper

180 100

182 95.8 46.9 140.7

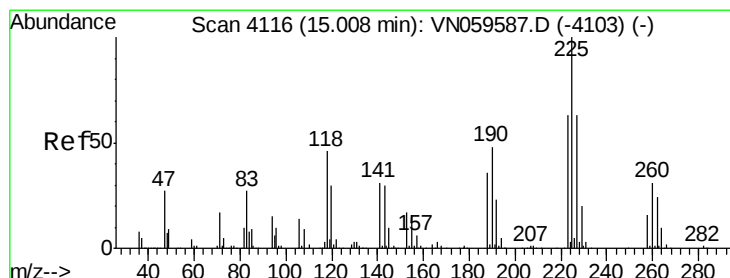
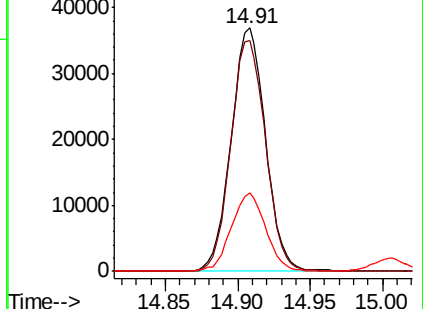
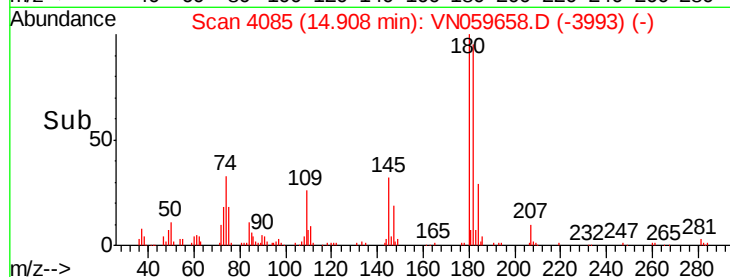
145 32.2 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.567 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059658.D

Acq: 18 Dec 2019 18:38

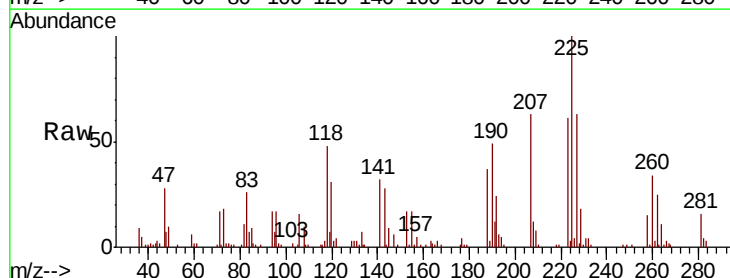
Tgt Ion:225 Resp: 32772

Ion Ratio Lower Upper

225 100

223 62.3 31.8 95.3

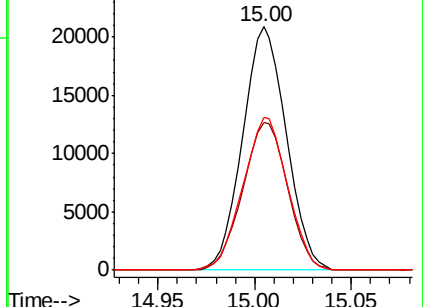
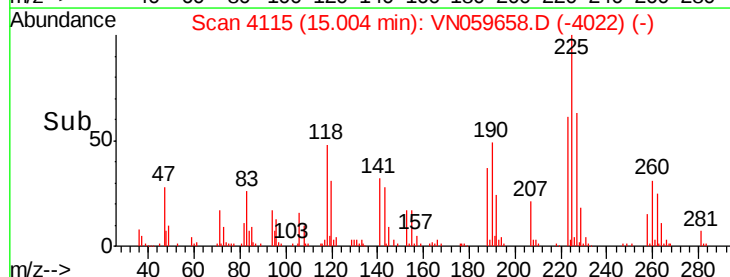
227 64.1 32.1 96.5

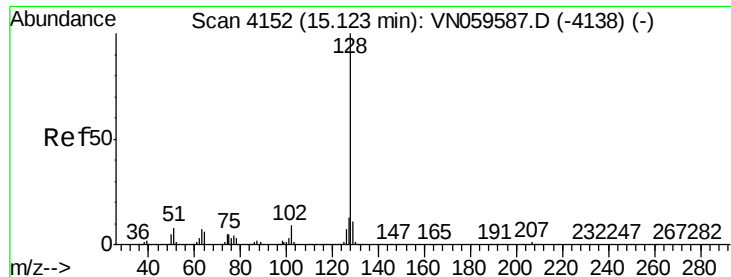


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

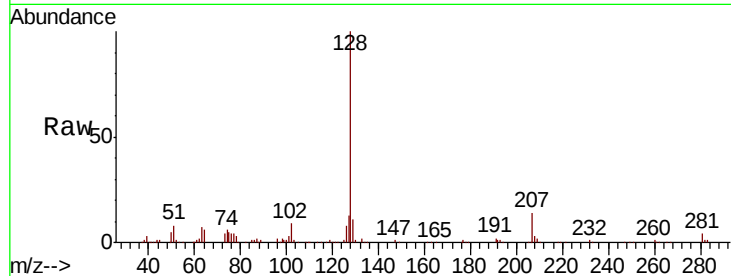




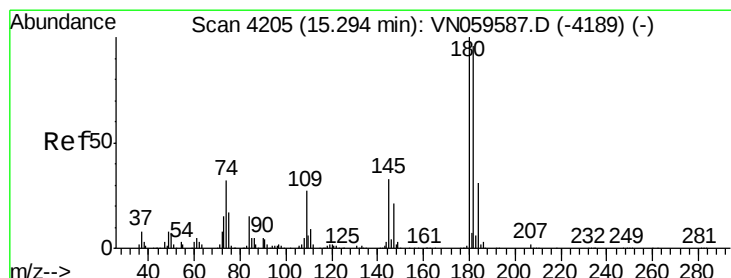
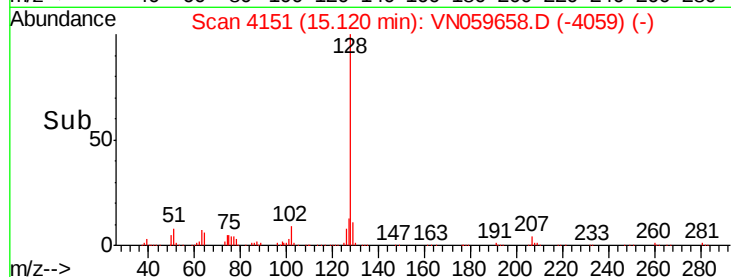
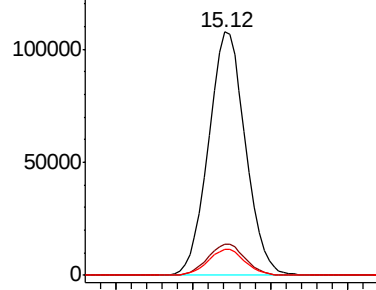
#95
Naphthalene
Concen: 16.330 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 178422
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.6 8.6 12.8

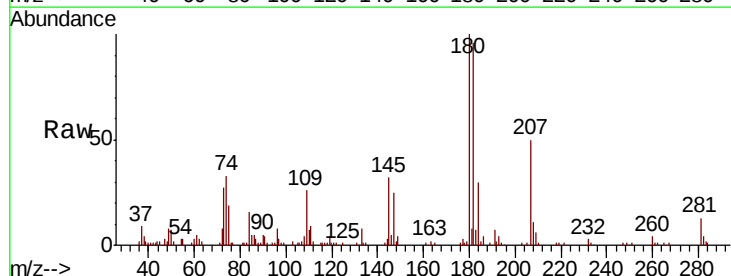


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 16.674 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059658.D
Acq: 18 Dec 2019 18:38

Tgt Ion:180 Resp: 61722
Ion Ratio Lower Upper
180 100
182 94.7 47.4 142.3
145 32.9 16.3 48.9



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

