

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059535.D
 Acq On : 9 Dec 2019 18:25
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 10 02:10:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	276172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	459387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	401785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196680	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	190748	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.57	113	138130	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.08	98	532678	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.40	95	195121	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	138424	43.456	ug/l	98
3) Chloromethane	2.04	50	210544	43.664	ug/l	99
4) Vinyl Chloride	2.17	62	214018	45.030	ug/l	100
5) Bromomethane	2.53	94	127506	44.045	ug/l	100
6) Chloroethane	2.67	64	125727	44.300	ug/l	96
7) Trichlorofluoromethane	3.00	101	261358	46.001	ug/l	99
8) Diethyl Ether	3.39	74	107511	55.216	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	126528	42.792	ug/l	98
10) Methyl Iodide	3.92	142	173775	43.403	ug/l	100
11) Tert butyl alcohol	4.75	59	146659	229.671	ug/l	99
12) 1,1-Dichloroethene	3.71	96	124513	43.317	ug/l	96
13) Acrolein	3.58	56	106865	343.902	ug/l	99
14) Allyl chloride	4.29	41	250457	45.295	ug/l	99
15) Acrylonitrile	4.95	53	401756	238.548	ug/l	99
16) Acetone	3.79	43	366648	203.344	ug/l	100
17) Carbon Disulfide	4.03	76	406715	44.565	ug/l	100
18) Methyl Acetate	4.30	43	209905	44.340	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	450005	47.097	ug/l	99
20) Methylene Chloride	4.52	84	146053	44.922	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	139643	45.263	ug/l	98
22) Diisopropyl ether	5.92	45	496323	47.150	ug/l	97
23) Vinyl Acetate	5.87	43	2156498	245.591	ug/l	99
24) 1,1-Dichloroethane	5.82	63	273377	45.742	ug/l	100
25) 2-Butanone	6.81	43	571198	235.349	ug/l	100
26) 2,2-Dichloropropane	6.80	77	242147	44.848	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	158934	45.801	ug/l	100
28) Bromochloromethane	7.17	49	118901	51.979	ug/l	98
29) Tetrahydrofuran	7.19	42	382109	226.341	ug/l	99
30) Chloroform	7.35	83	268656	45.547	ug/l	96
31) Cyclohexane	7.63	56	251157	43.183	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	239045	45.683	ug/l	100
36) 1,1-Dichloropropene	7.77	75	210014	44.559	ug/l	99
37) Ethyl Acetate	6.91	43	233410	42.700	ug/l	99
38) Carbon Tetrachloride	7.75	117	209918	45.186	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	241764	45.730	ug/l	97
40) Benzene	8.02	78	594633	44.164	ug/l	100
41) Methacrylonitrile	7.19	41	347355	151.653	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	232683	46.383	ug/l	100
43) Isopropyl Acetate	8.15	43	375013	46.094	ug/l	99
44) Trichloroethene	8.82	130	150791	44.331	ug/l	97
45) 1,2-Dichloropropane	9.10	63	160925	45.118	ug/l	99
46) Dibromomethane	9.20	93	104776	44.449	ug/l	99
47) Bromodichloromethane	9.39	83	213371	45.546	ug/l	100
48) Methyl methacrylate	9.19	41	169195	47.562	ug/l	100
49) 1,4-Dioxane	9.19	88	42321	929.827	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1147485	221.886	ug/l	99
52) Toluene	10.15	92	368481	45.932	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	249320	45.677	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	260082	46.556	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	155847	48.034	ug/l	98
56) Ethyl methacrylate	10.42	69	225908	40.826	ug/l	99
57) 1,3-Dichloropropane	10.70	76	254219	45.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	286050	215.211	ug/l	99
59) 2-Hexanone	10.75	43	863018	218.852	ug/l	99
60) Dibromochloromethane	10.90	129	159819	41.455	ug/l	100
61) 1,2-Dibromoethane	11.00	107	152587	45.175	ug/l	99
64) Tetrachloroethene	10.63	164	134055	45.652	ug/l	98
65) Chlorobenzene	11.43	112	405990	48.225	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	165077	52.574	ug/l	100
67) Ethyl Benzene	11.51	91	807926	53.331	ug/l	99
68) m/p-Xylenes	11.62	106	588758	103.600	ug/l	98
69) o-Xylene	11.95	106	249374	47.145	ug/l	95
70) Styrene	11.96	104	407452	46.496	ug/l	97
71) Bromoform	12.13	173	115640	46.807	ug/l #	99
73) Isopropylbenzene	12.25	105	682918	46.290	ug/l	99
74) N-amyl acetate	12.07	43	312549	48.635	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	219312	43.870	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	308401	61.317	ug/l #	100
77) Bromobenzene	12.53	156	160612	43.729	ug/l	94
78) n-propylbenzene	12.59	91	822198	45.352	ug/l	99
79) 2-Chlorotoluene	12.67	91	476008	44.033	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	576921	45.602	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	85548	45.762	ug/l	90
82) 4-Chlorotoluene	12.77	91	499164	45.158	ug/l	99
83) tert-Butylbenzene	12.99	119	493812	46.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	573702	45.926	ug/l	100
85) sec-Butylbenzene	13.17	105	673855	46.503	ug/l	100
86) p-Isopropyltoluene	13.29	119	606666	46.842	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293793	43.428	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	295536	44.616	ug/l	100
89) n-Butylbenzene	13.62	91	578814	47.596	ug/l	99
90) Hexachloroethane	13.88	117	114560	48.164	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	285770	45.013	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51475	45.116	ug/l	92

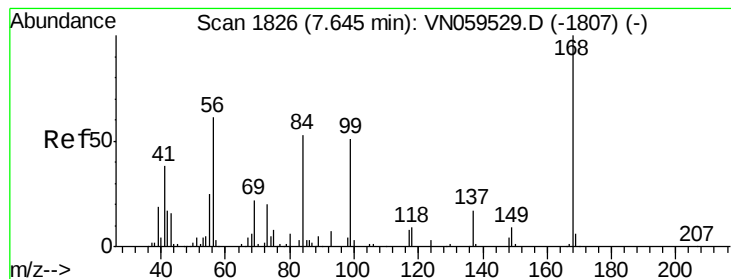
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	191627	43.641	ug/l	99
94) Hexachlorobutadiene	15.01	225	98041	43.704	ug/l	99
95) Naphthalene	15.13	128	566398	44.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	187854	44.215	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

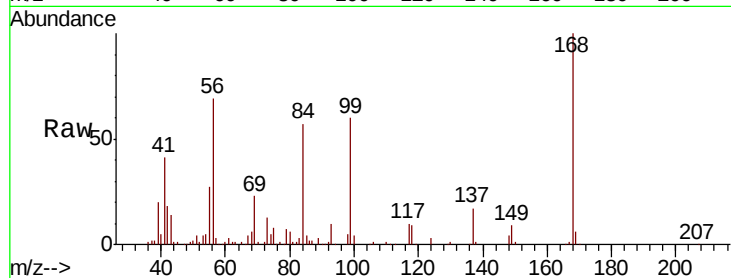
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 276172

Ion Ratio Lower Upper

168 100

99 59.8 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

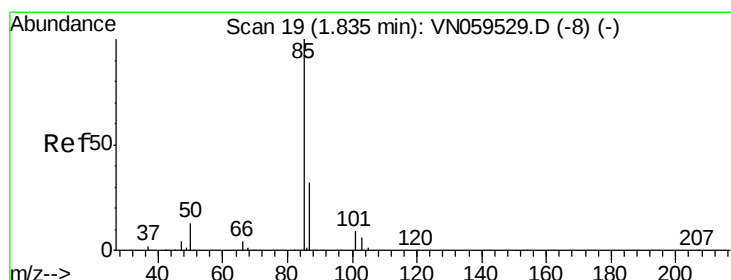
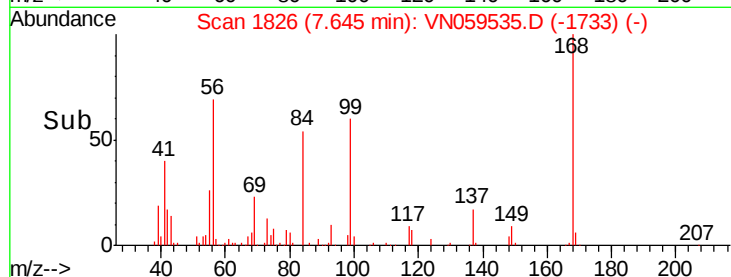
7.64

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.456 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059535.D

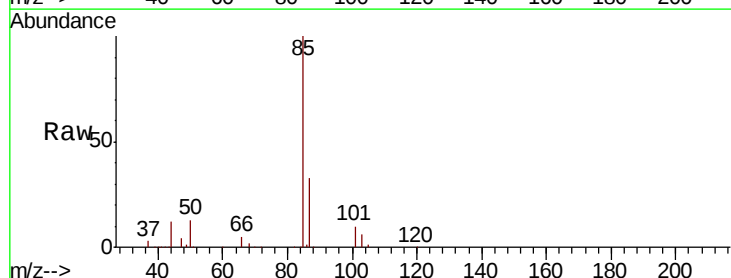
Acq: 9 Dec 2019 18:25

Tgt Ion: 85 Resp: 138424

Ion Ratio Lower Upper

85 100

87 33.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

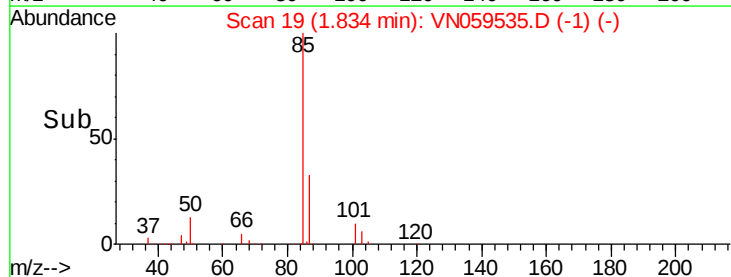
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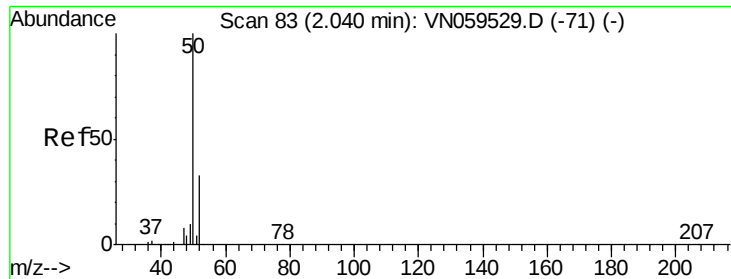
40000

20000

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Time-->





#3

Chloromethane

Concen: 43.664 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

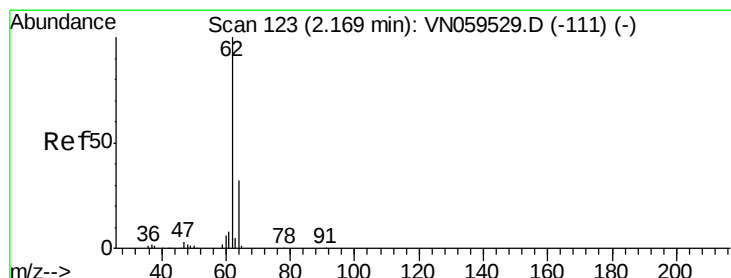
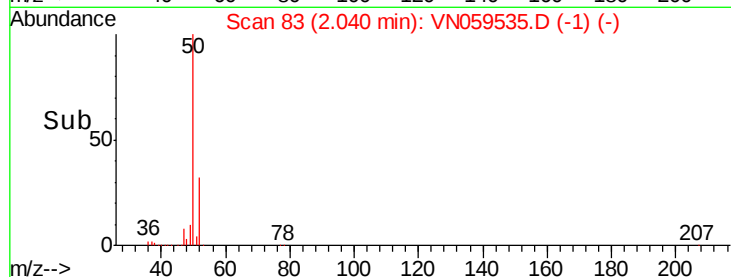
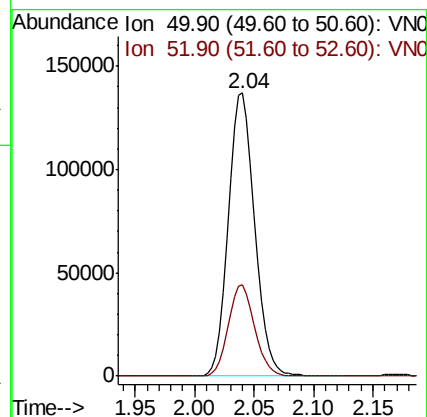
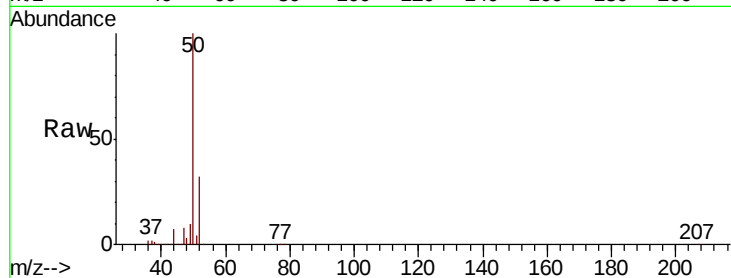
ClientSampled :

Tot Ion: 50 Resp: 210544

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



#4

Vinyl Chloride

Concen: 45.030 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059535.D

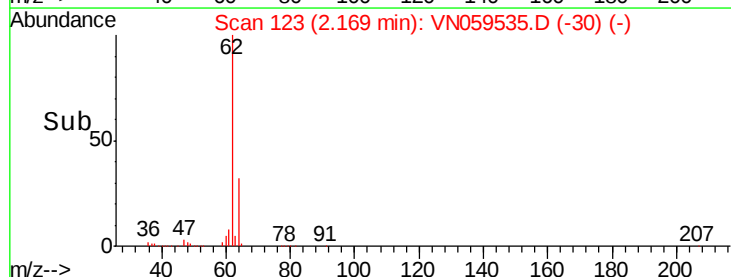
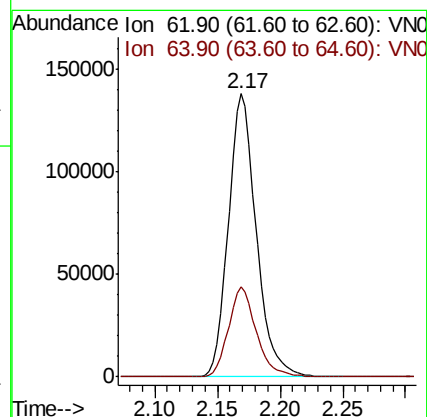
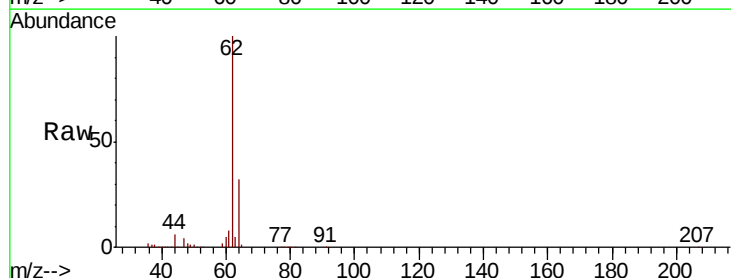
Acq: 9 Dec 2019 18:25

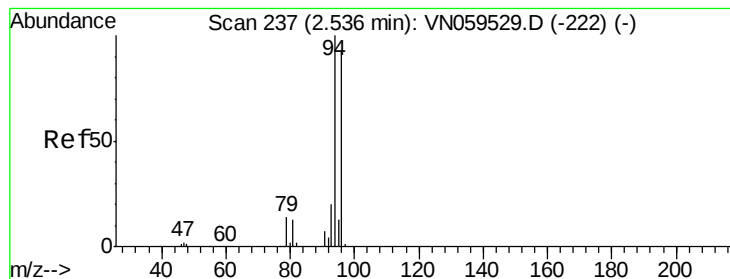
Tgt Ion: 62 Resp: 214018

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 44.045 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

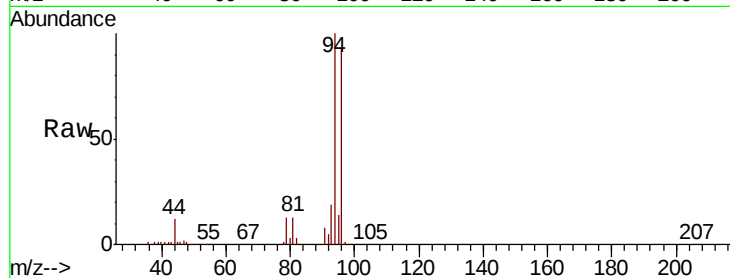
ClientSampleId :

Tot Ion: 94 Resp: 127506

Ion Ratio Lower Upper

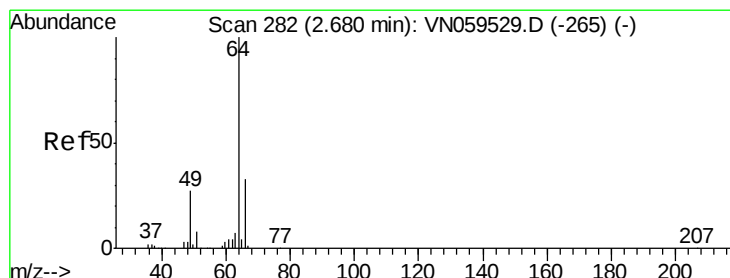
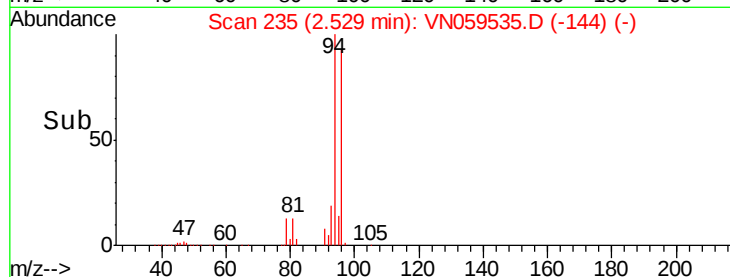
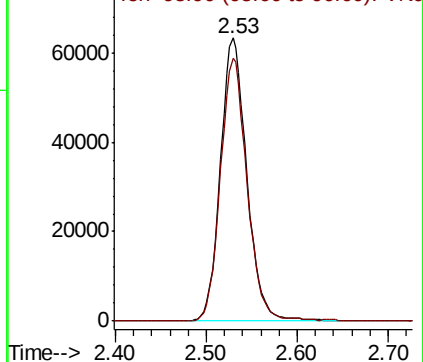
94 100

96 92.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.300 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059535.D

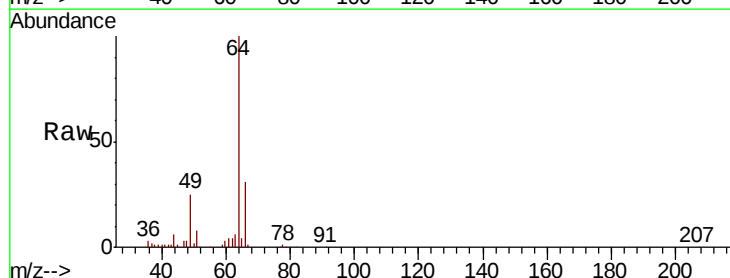
Acq: 9 Dec 2019 18:25

Tgt Ion: 64 Resp: 125727

Ion Ratio Lower Upper

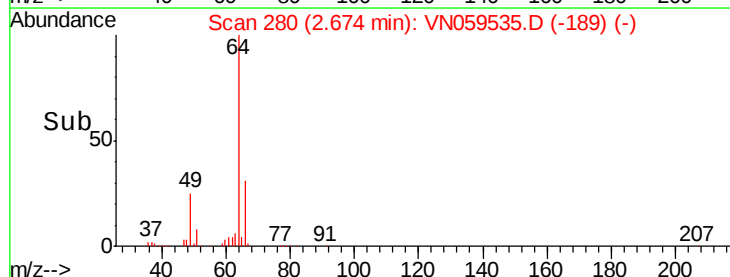
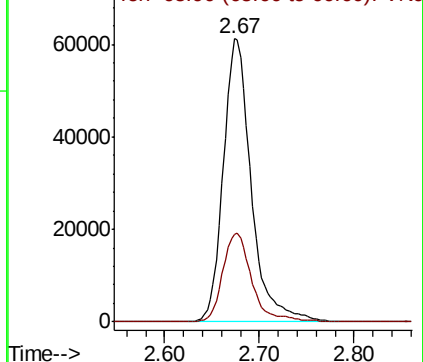
64 100

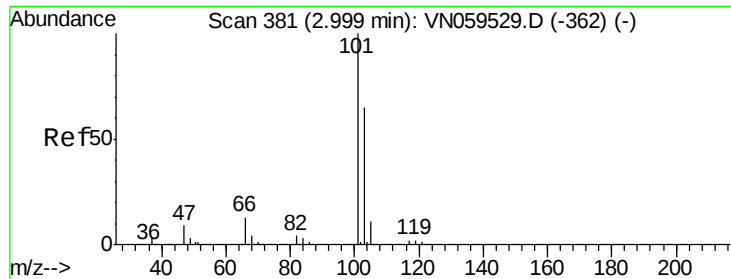
66 31.0 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



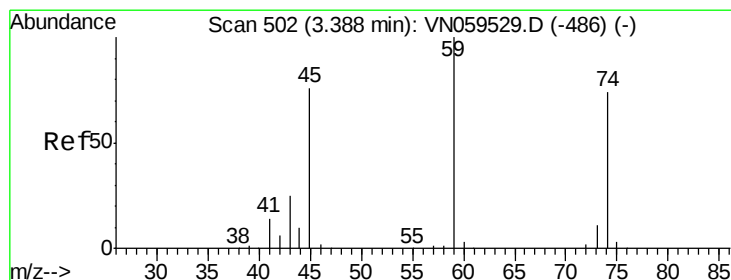
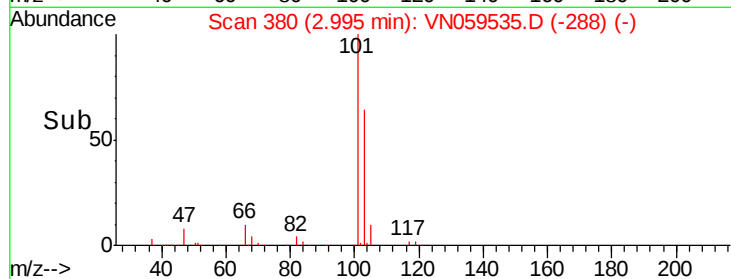
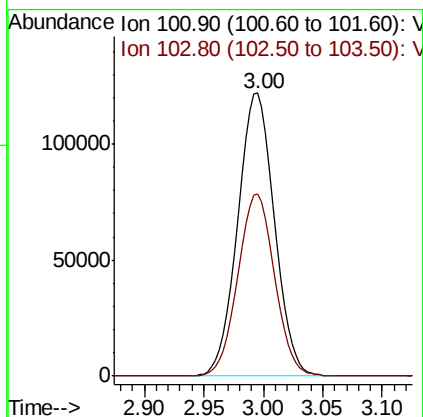
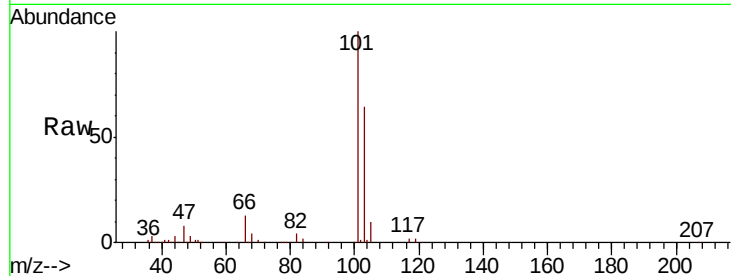


#7

Trichlorofluoromethane
Concen: 46.001 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Instrument :
MSVOA_N
ClientSampled :

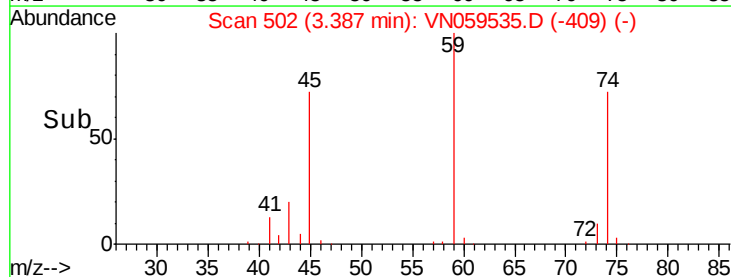
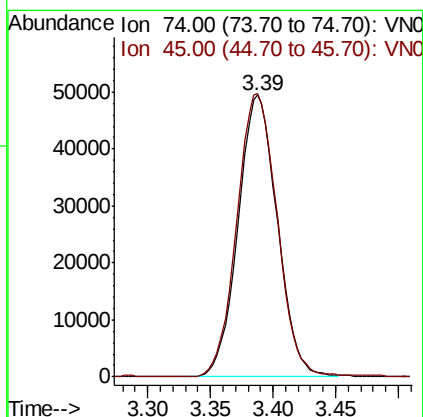
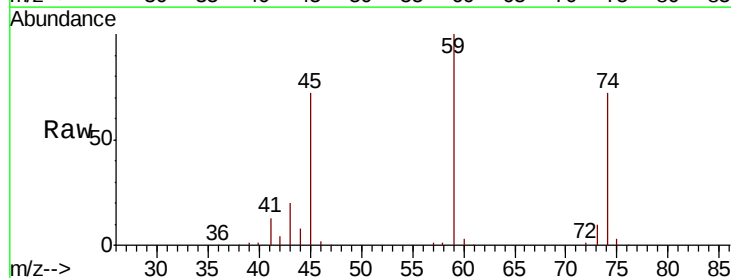
Tot Ion:101 Resp: 261358
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.4

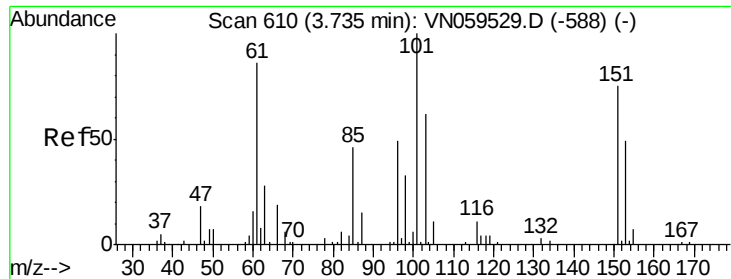


#8

Diethyl Ether
Concen: 55.216 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 74 Resp: 107511
Ion Ratio Lower Upper
74 100
45 103.6 52.6 157.9

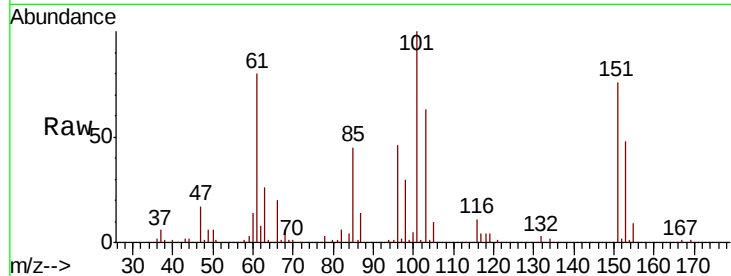




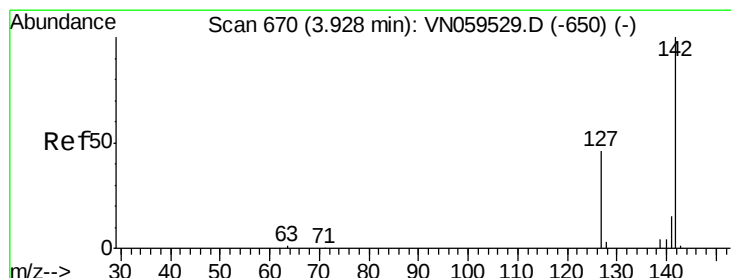
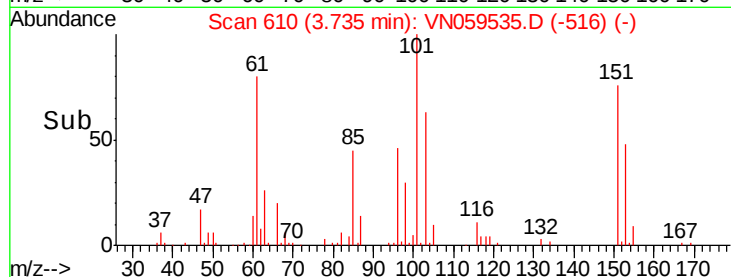
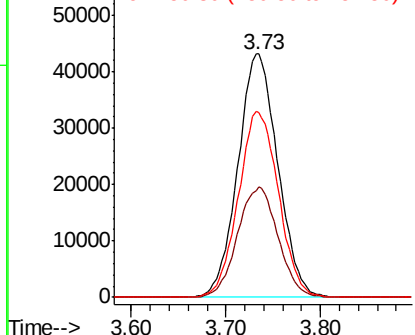
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.792 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 126528
 Ion Ratio Lower Upper
 101 100
 85 46.1 36.6 54.8
 151 76.7 59.3 88.9

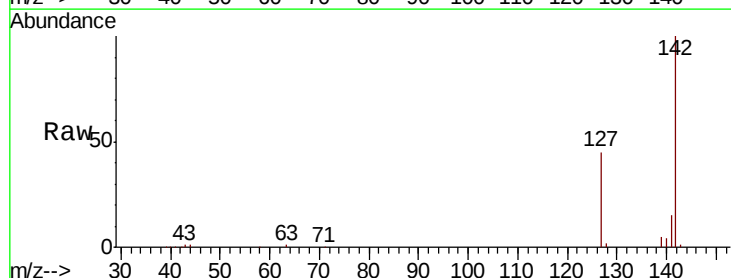


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

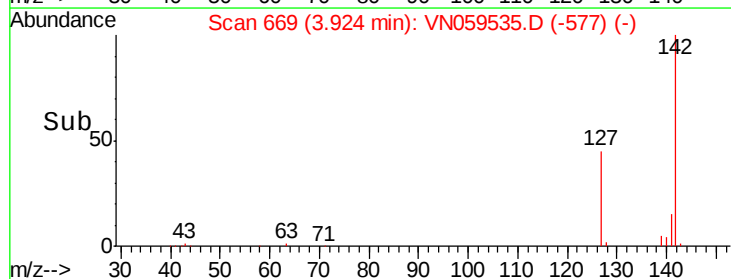
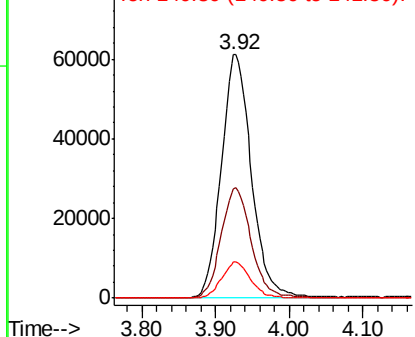


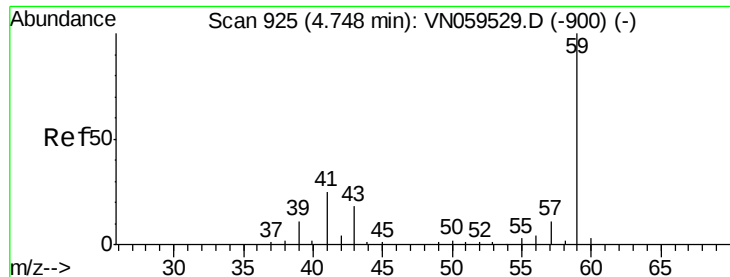
#10
 Methyl Iodide
 Concen: 43.403 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion:142 Resp: 173775
 Ion Ratio Lower Upper
 142 100
 127 45.6 36.6 54.8
 141 14.2 11.6 17.4



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

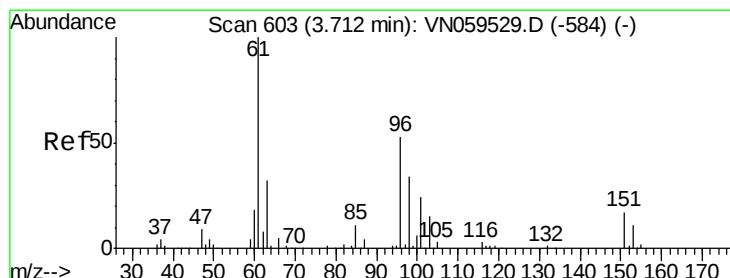
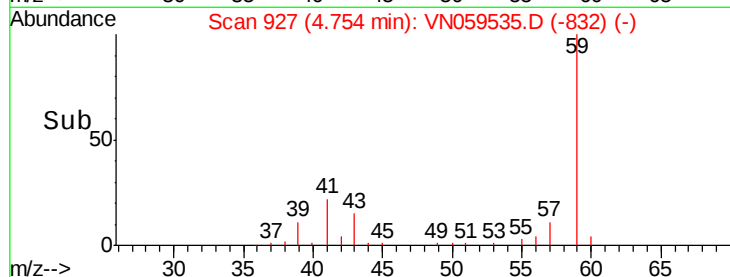
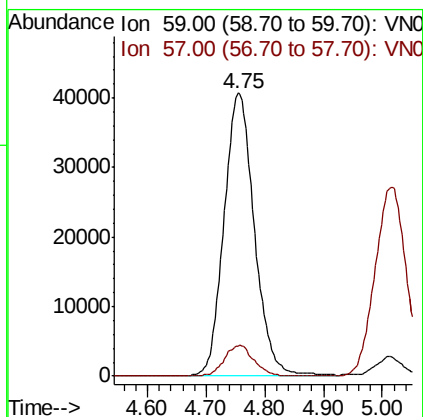
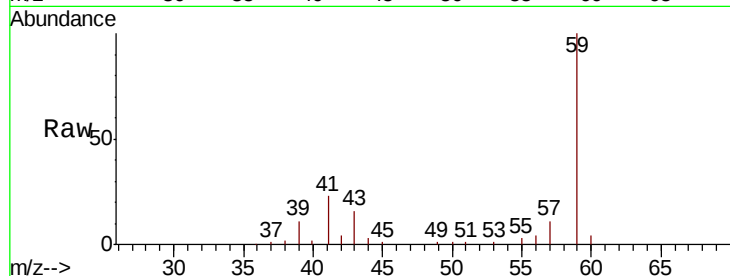




#11
Tert butyl alcohol
Concen: 229.671 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

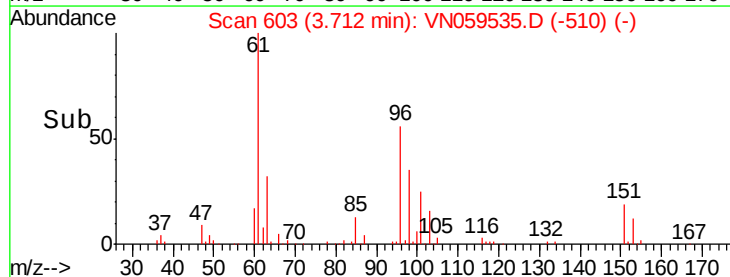
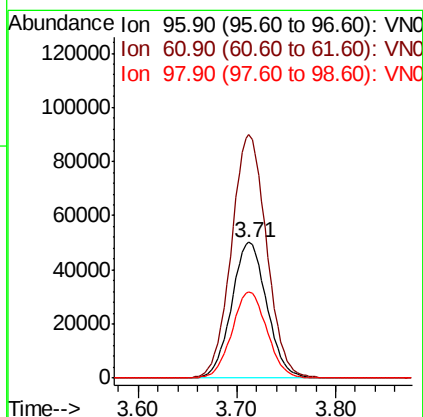
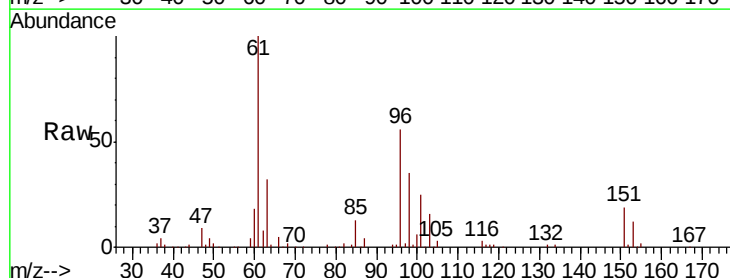
Instrument :
MSVOA_N
ClientSampled :

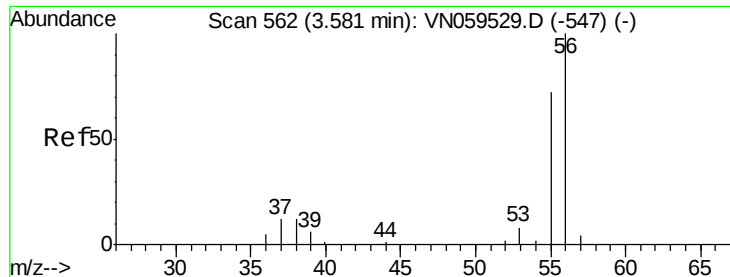
Tot Ion: 59 Resp: 146659
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0



#12
1,1-Dichloroethene
Concen: 43.317 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 96 Resp: 124513
Ion Ratio Lower Upper
96 100
61 179.3 149.8 224.6
98 63.5 50.6 75.8





#13

Acrolein

Concen: 343.902 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

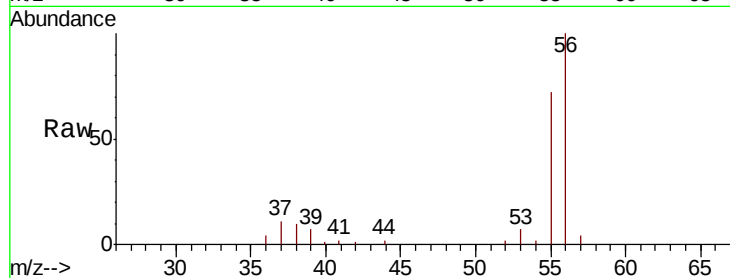
ClientSampleId :

Tot Ion: 56 Resp: 106865

Ion Ratio Lower Upper

56 100

55 71.8 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN059529.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN059529.D (-547) (-)

3.58

40000

30000

20000

10000

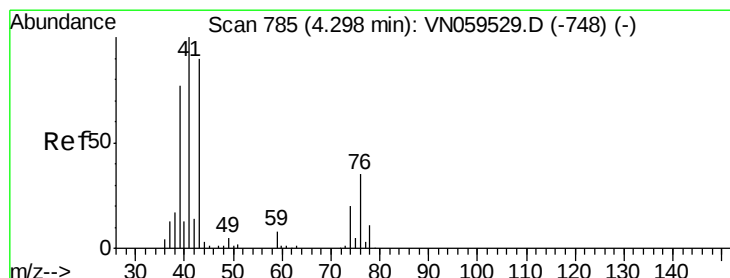
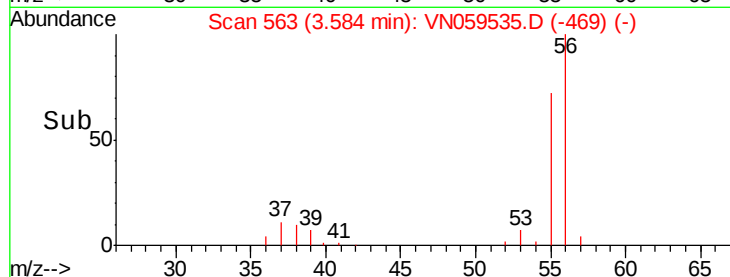
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 45.295 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

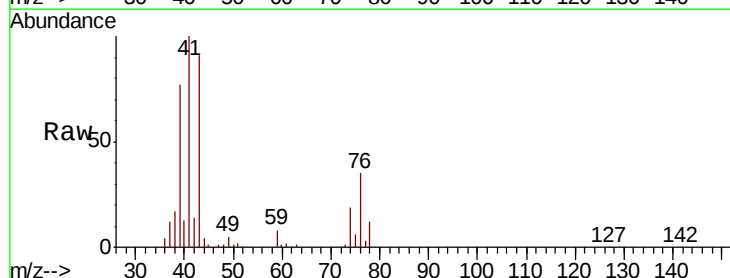
Tgt Ion: 41 Resp: 250457

Ion Ratio Lower Upper

41 100

39 71.7 56.7 85.1

76 31.5 25.5 38.3



Abundance Ion 41.00 (40.70 to 41.70): VN059529.D (-748) (-)

Ion 39.00 (38.70 to 39.70): VN059529.D (-748) (-)

Ion 75.90 (75.60 to 76.60): VN059529.D (-748) (-)

4.29

100000

80000

60000

40000

20000

0

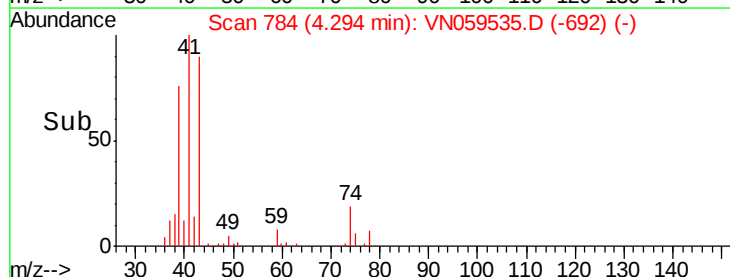
Time-->

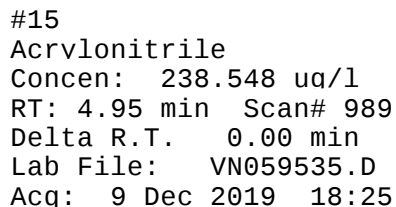
4.10

4.20

4.30

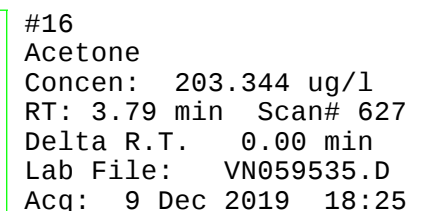
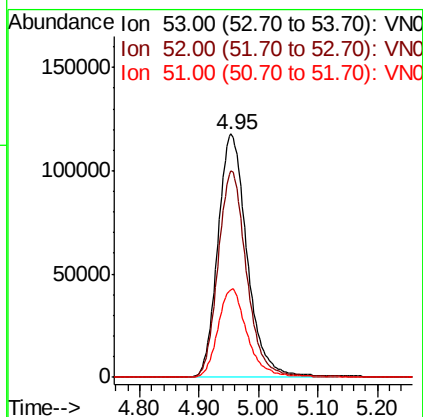
4.40



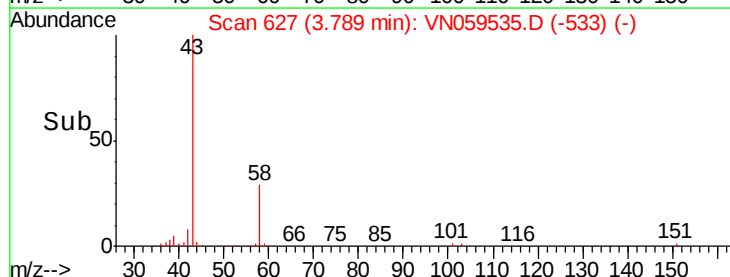
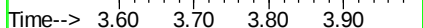
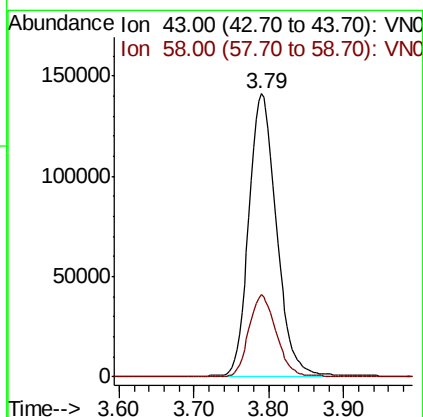


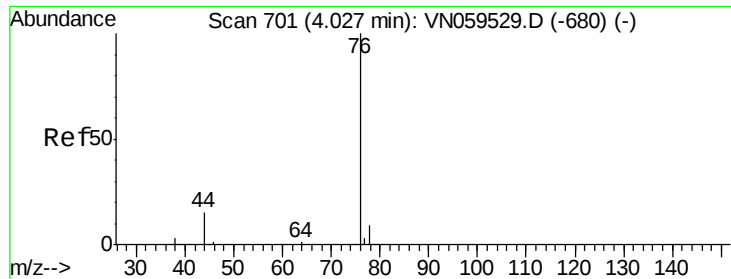
Instrument :
MSVOA_N
ClientSampleId :

Tot	Ion: 53	Resp:	401756
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	99.8
51	36.3	29.8	44.8



Tgt	Ion: 43	Resp:	366648
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.0	34.4

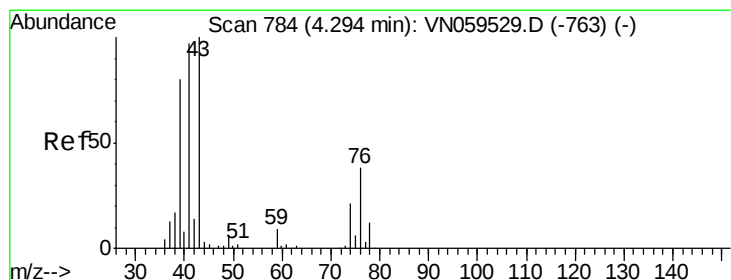
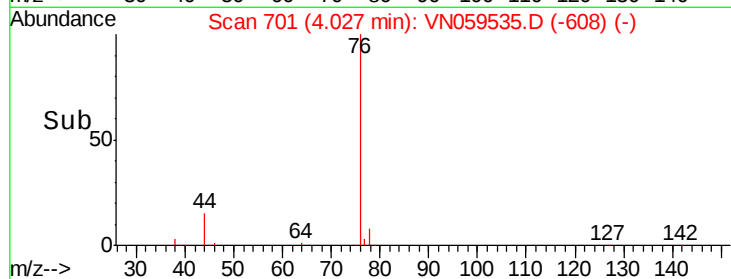
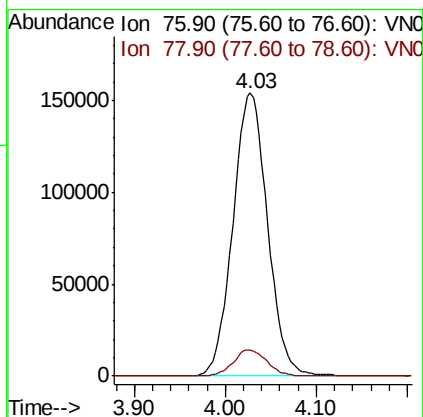
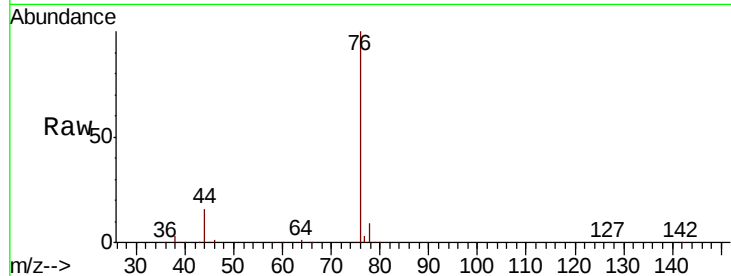




#17
Carbon Disulfide
Concen: 44.565 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

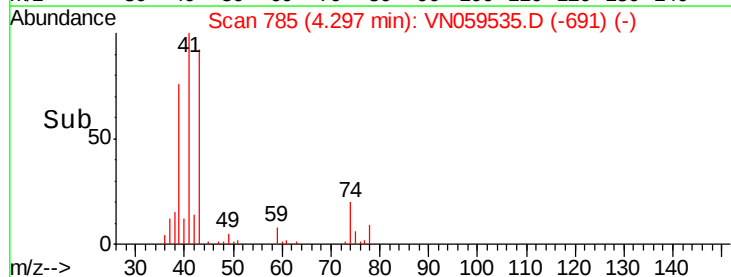
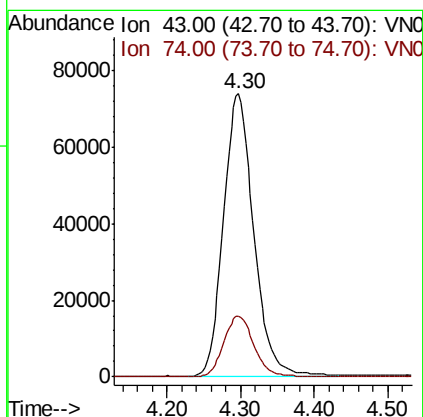
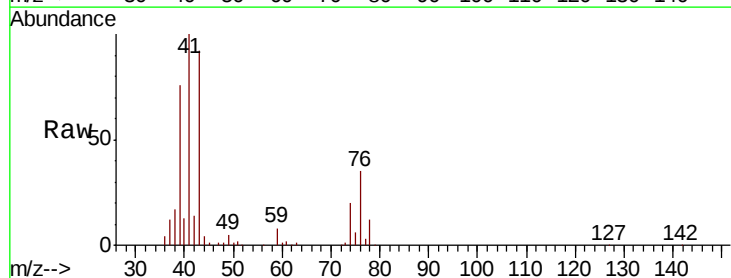
Instrument :
MSVOA_N
ClientSampleId :

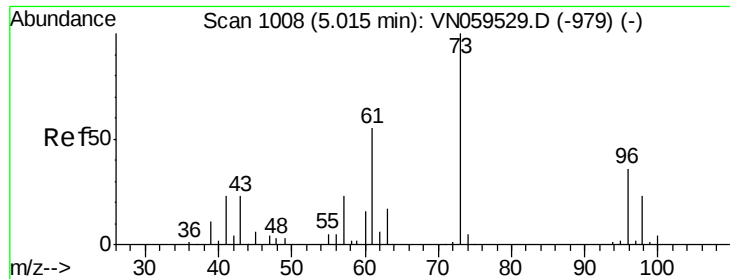
Tot Ion: 76 Resp: 406715
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 44.340 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 43 Resp: 209905
Ion Ratio Lower Upper
43 100
74 21.7 17.5 26.3

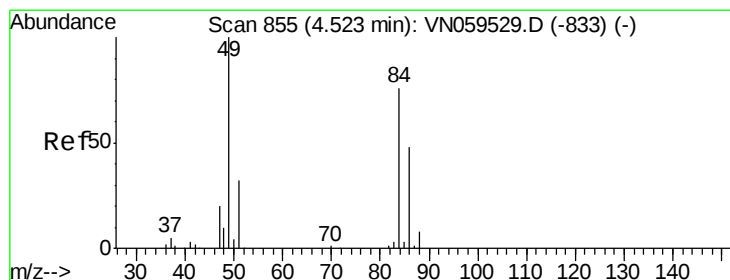
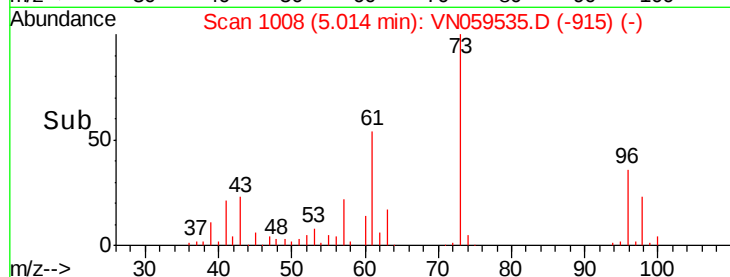
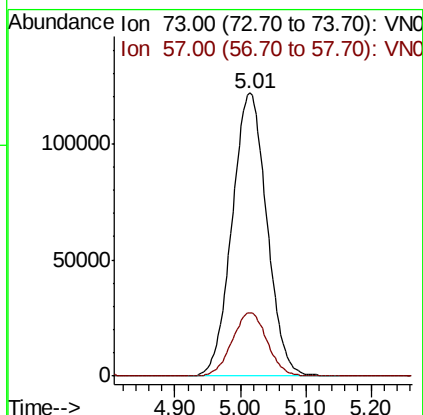
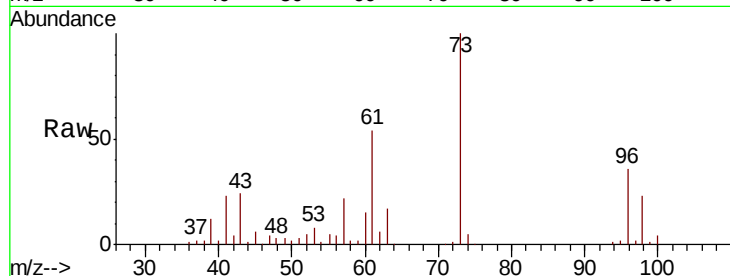




#19
Methvl tert-butvl Ether
Concen: 47.097 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

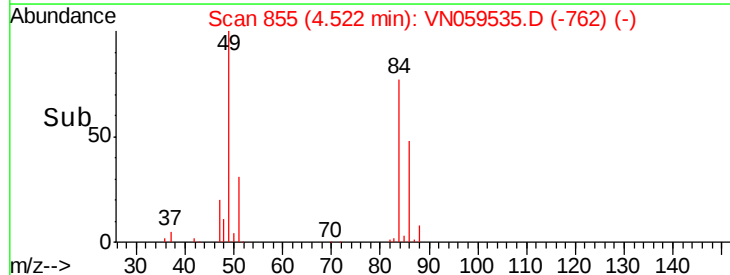
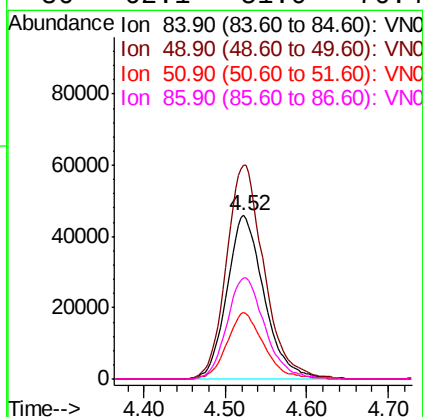
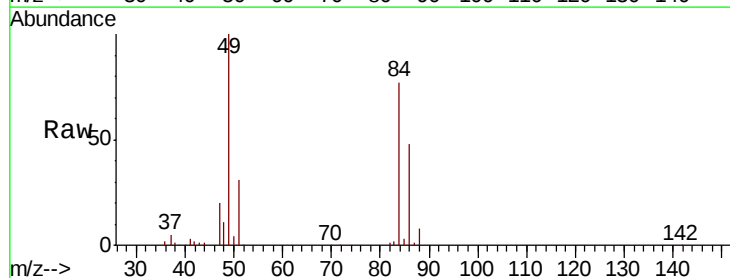
Instrument :
MSVOA_N
ClientSampleId :

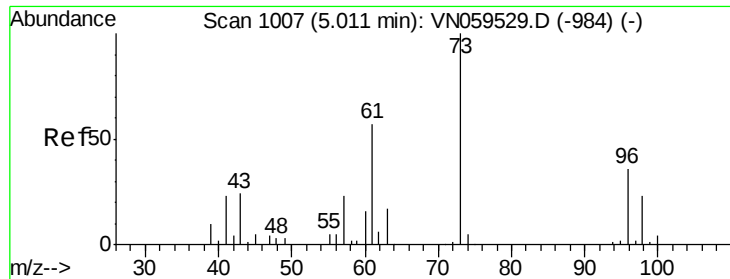
Tot Ion: 73 Resp: 450005
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 44.922 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 84 Resp: 146053
Ion Ratio Lower Upper
84 100
49 130.3 105.8 158.8
51 40.6 33.7 50.5
86 62.1 51.0 76.4

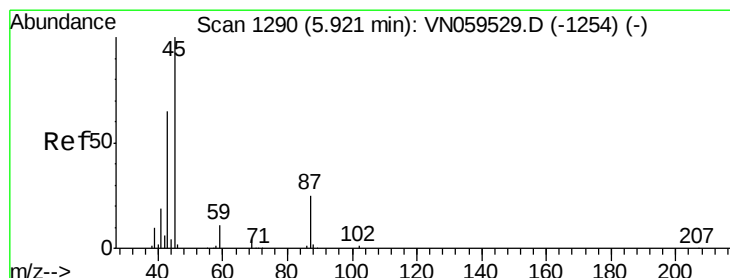
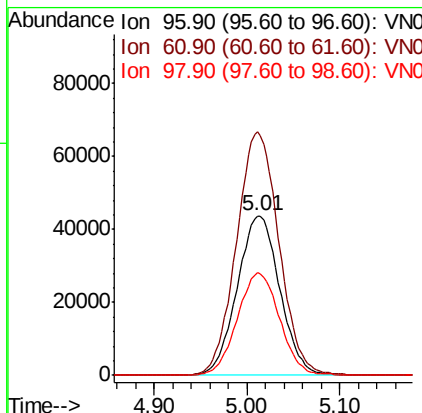
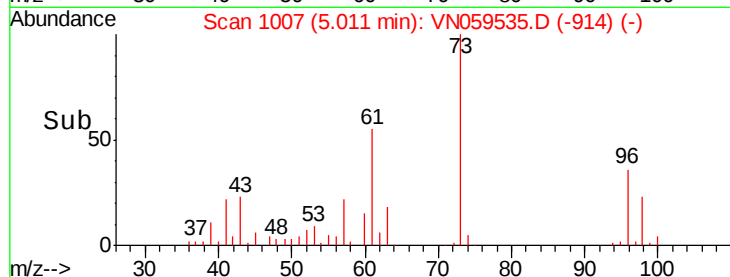
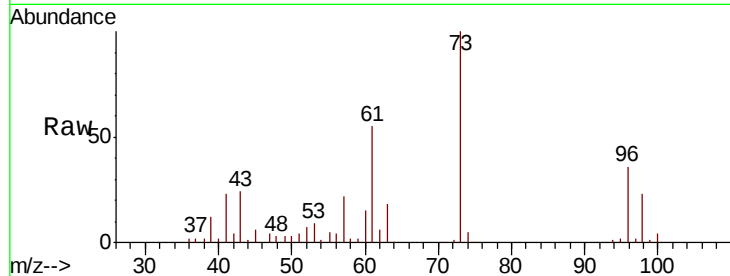




#21
trans-1,2-Dichloroethene
Concen: 45.263 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

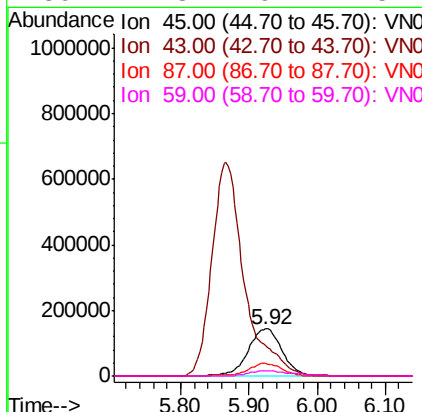
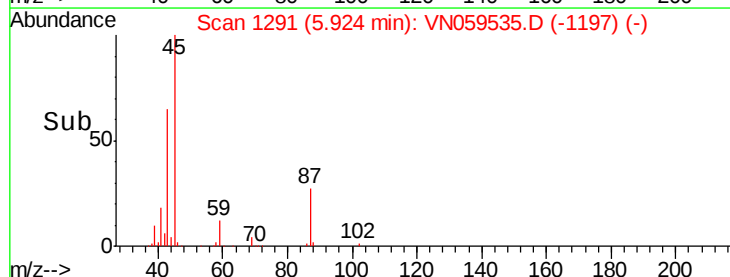
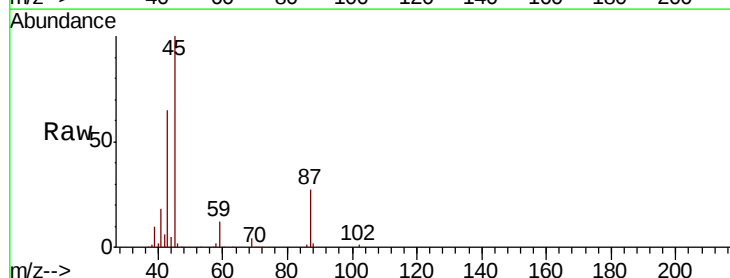
Instrument :
MSVOA_N
ClientSampleId :

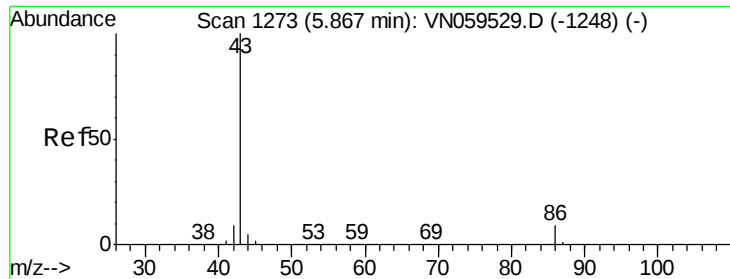
Tot Ion: 96 Resp: 139643
Ion Ratio Lower Upper
96 100
61 152.4 124.8 187.2
98 64.4 51.0 76.4



#22
Diisopropyl ether
Concen: 47.150 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 45 Resp: 496323
Ion Ratio Lower Upper
45 100
43 63.5 52.8 79.2
87 26.8 20.2 30.4
59 11.3 9.1 13.7

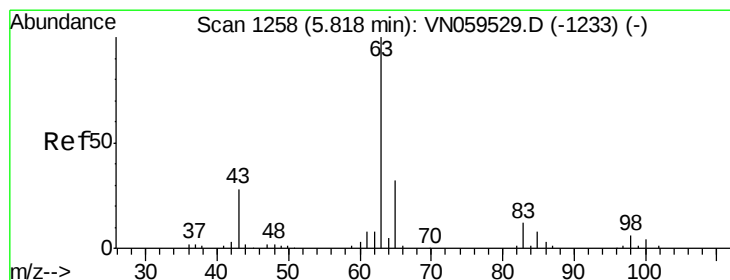
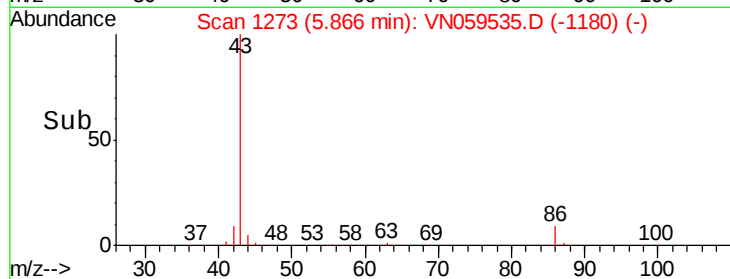
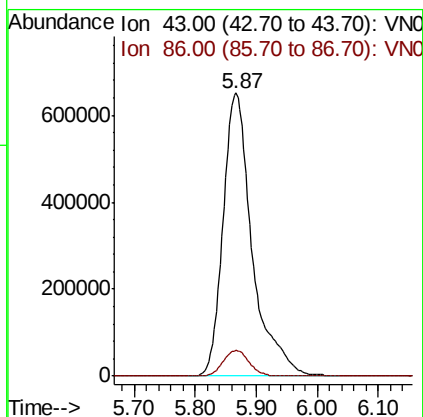
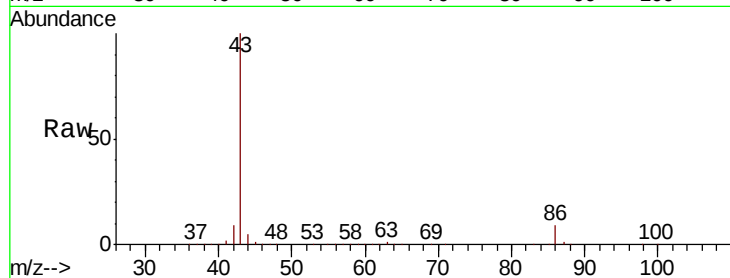




#23
 Vinyl Acetate
 Concen: 245.591 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

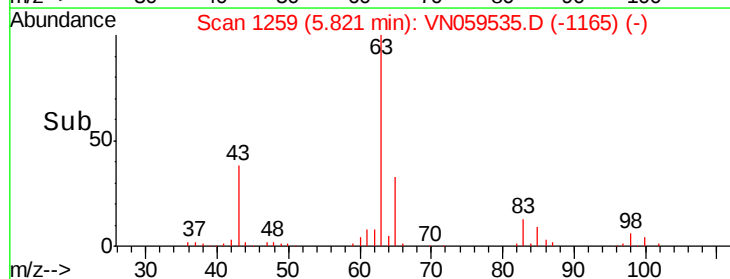
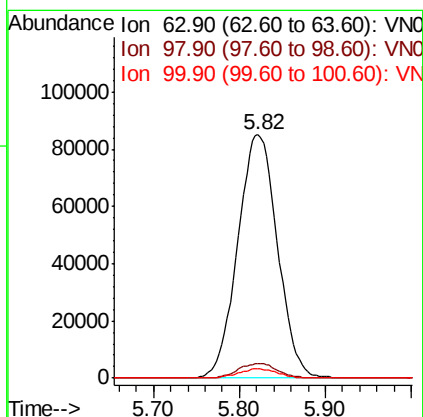
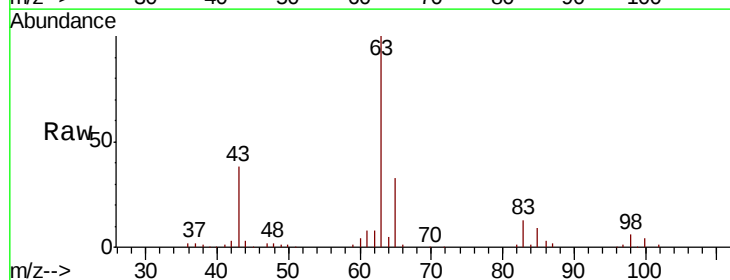
Instrument :
 MSVOA_N
 ClientSampled :

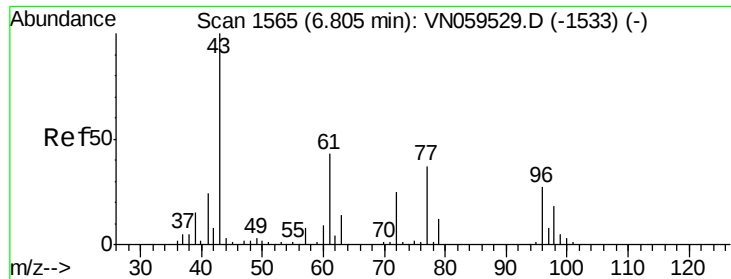
Tot Ion: 43 Resp: 2156498
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 45.742 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion: 63 Resp: 273377
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.8 1.8 5.3

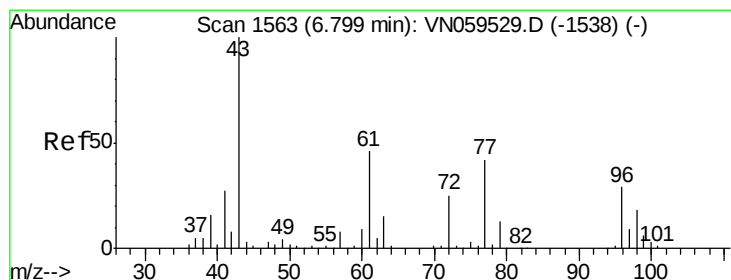
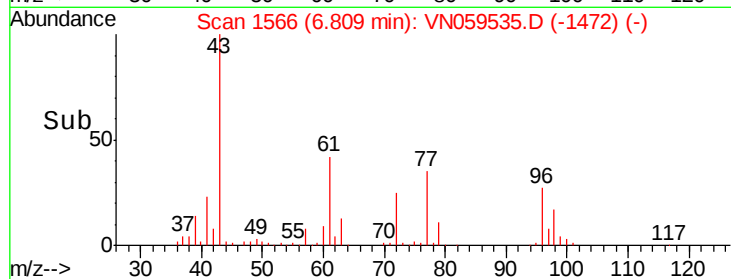
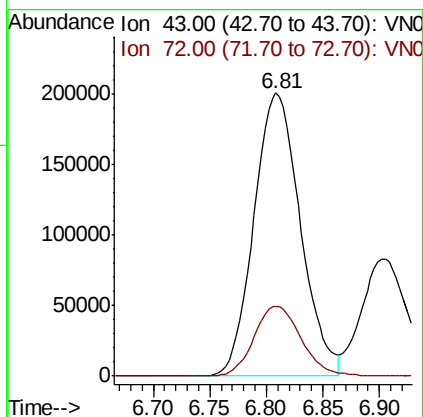
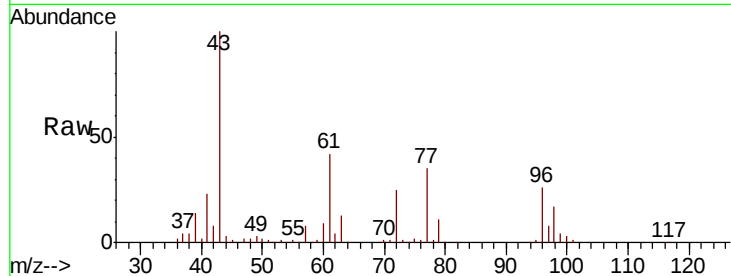




#25
2-Butanone
Concen: 235.349 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

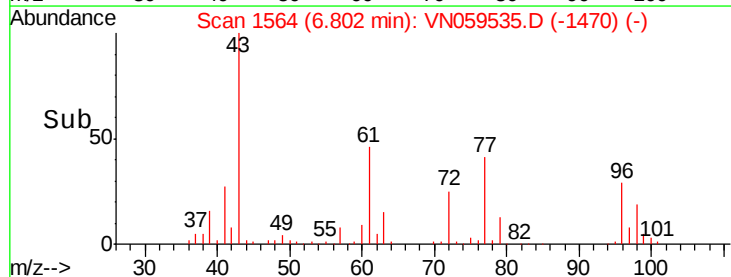
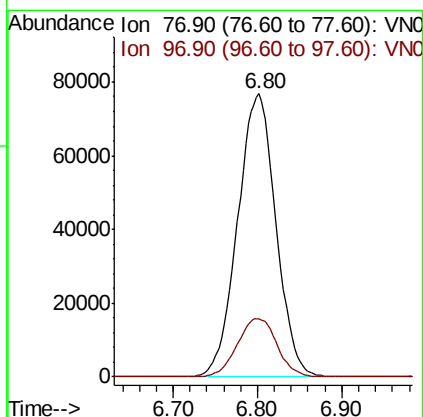
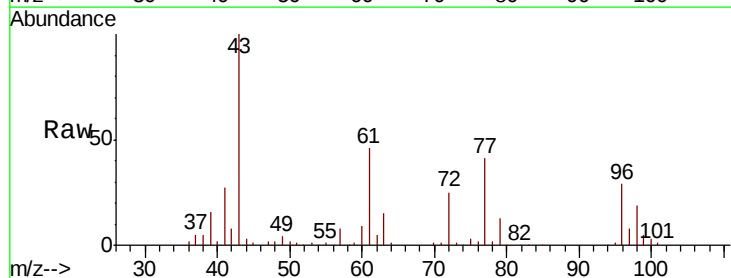
Instrument :
MSVOA_N
ClientSampled :

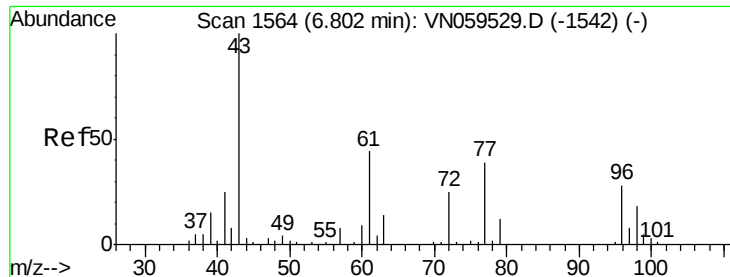
Tot Ion: 43 Resp: 571198
Ion Ratio Lower Upper
43 100
72 24.7 19.9 29.9



#26
2,2-Dichloropropane
Concen: 44.848 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 77 Resp: 242147
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 45.801 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :

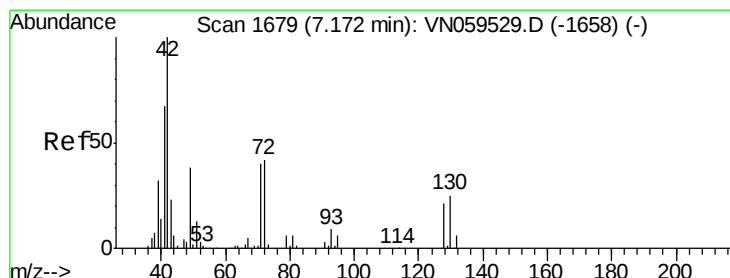
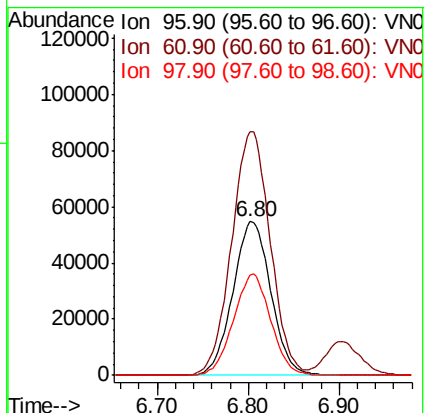
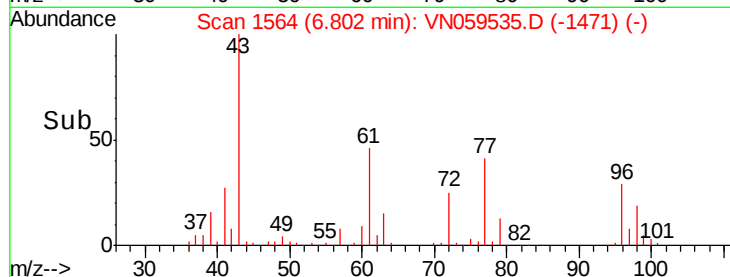
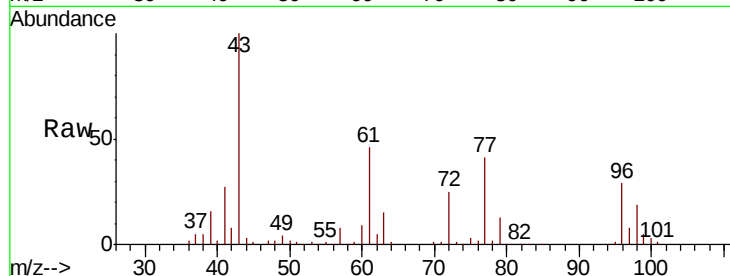
Tot Ion: 96 Resp: 158934

Ion Ratio Lower Upper

96 100

61 160.6 0.0 320.0

98 64.5 0.0 128.6



#28

Bromochloromethane

Concen: 51.979 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

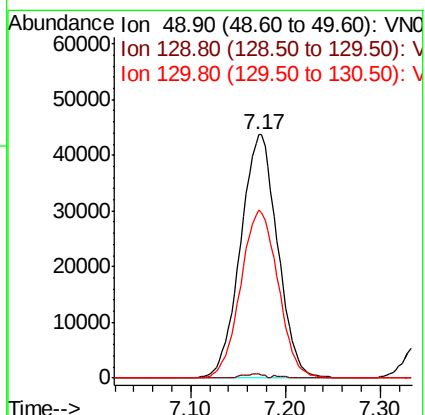
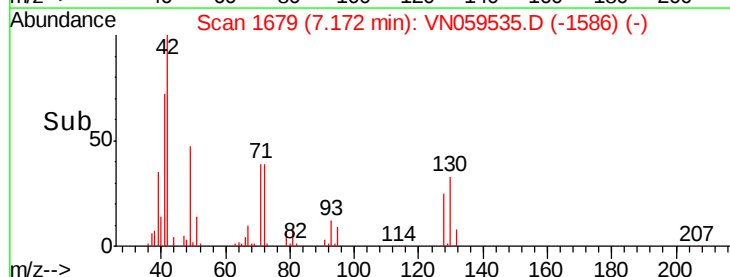
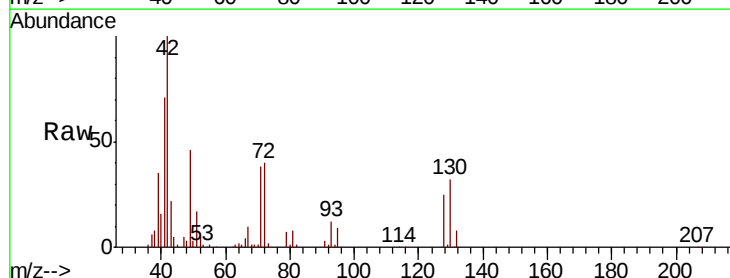
Tgt Ion: 49 Resp: 118901

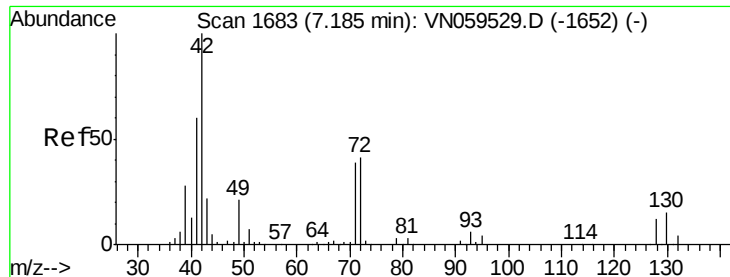
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.0

130 69.5 54.2 81.2

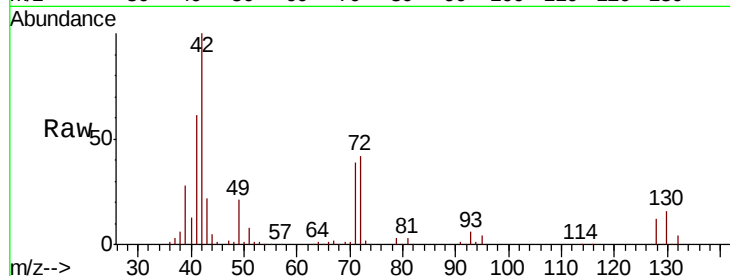




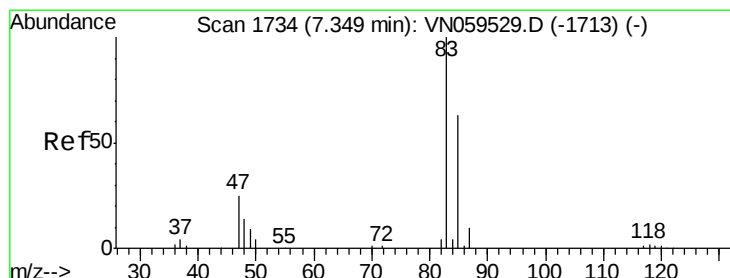
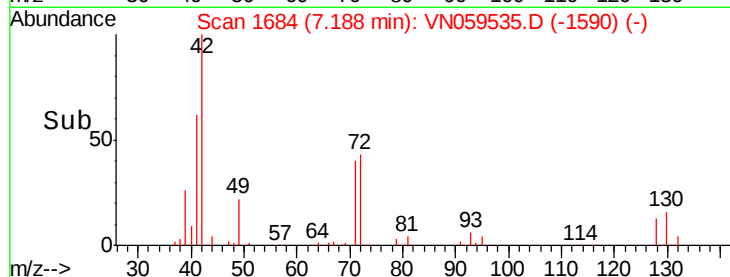
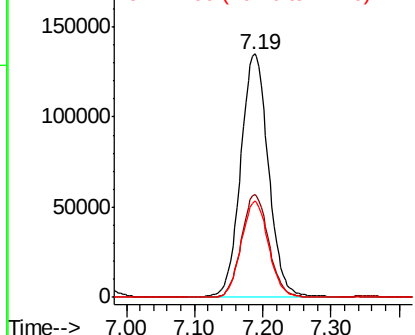
#29
Tetrahydrofuran
Concen: 226.341 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 382109
Ion Ratio Lower Upper
42 100
72 41.4 32.7 49.1
71 38.6 31.4 47.2

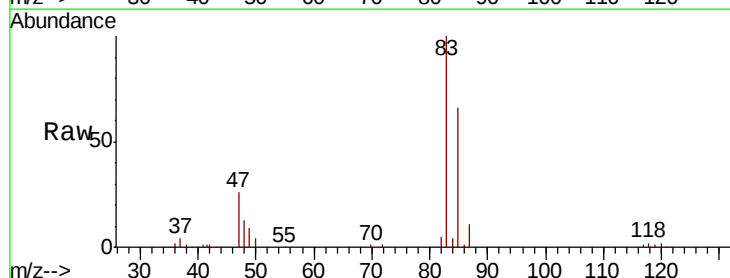


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

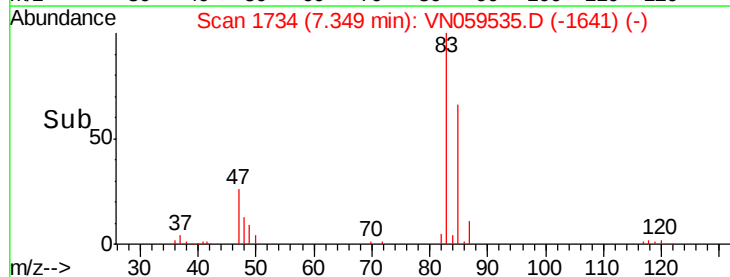
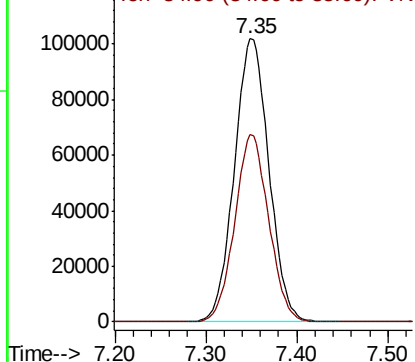


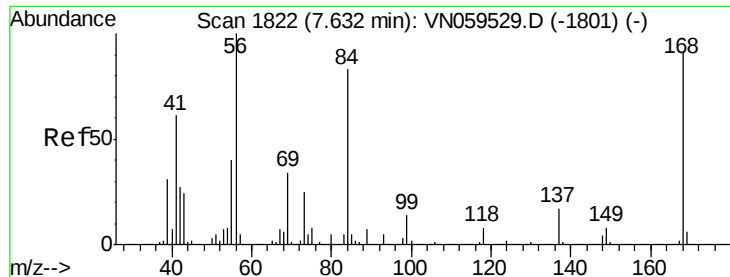
#30
Chloroform
Concen: 45.547 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 83 Resp: 268656
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

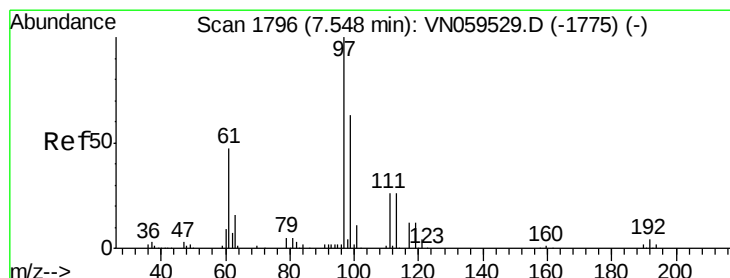
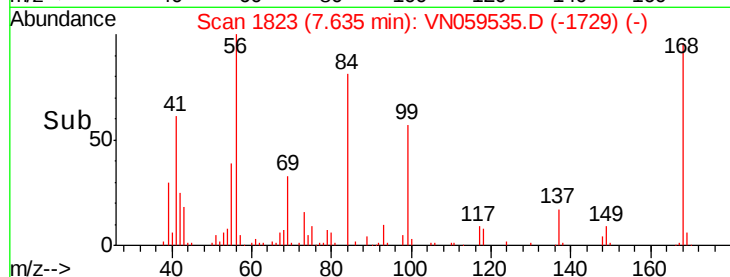
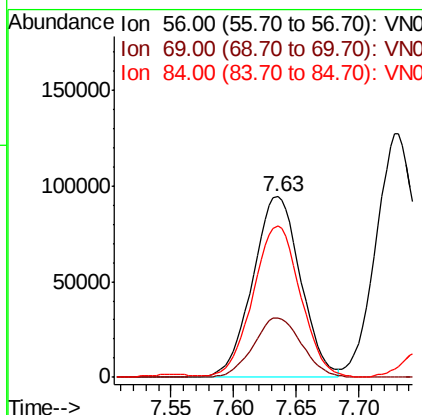
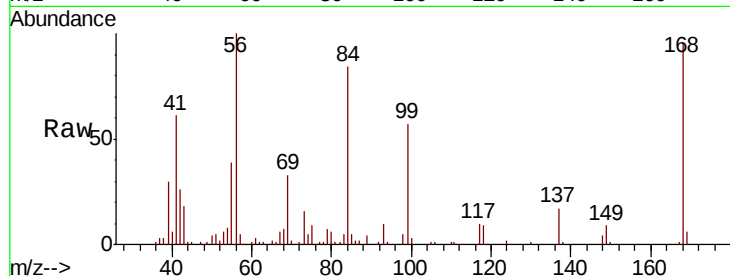




#31
Cyclohexane
Concen: 43.183 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

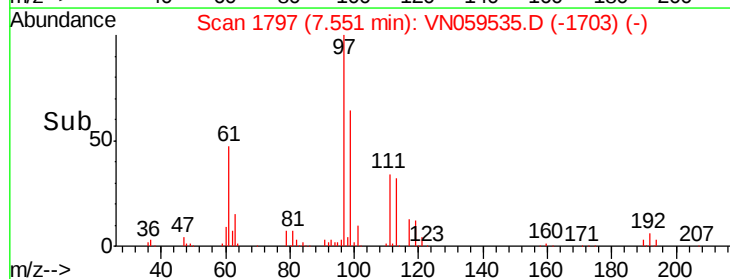
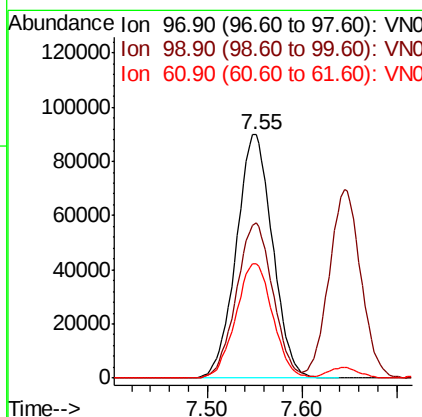
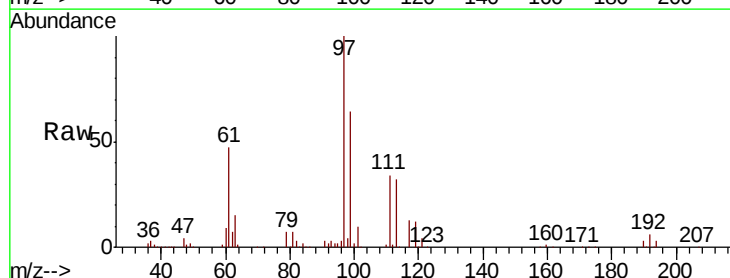
Instrument :
MSVOA_N
ClientSampled :

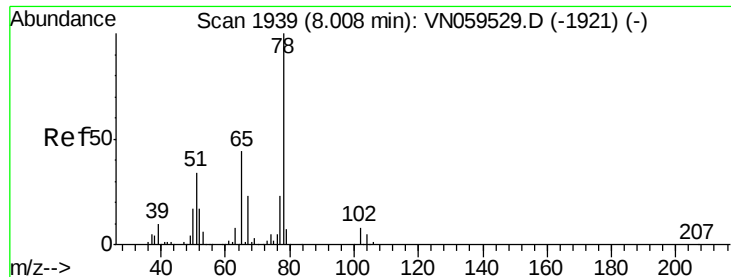
Tot Ion: 56 Resp: 251157
Ion Ratio Lower Upper
56 100
69 32.9 26.9 40.3
84 82.5 66.5 99.7



#32
1,1,1-Trichloroethane
Concen: 45.683 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 97 Resp: 239045
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 48.0 38.5 57.7

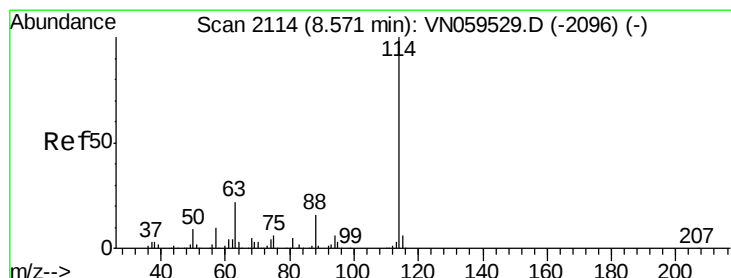
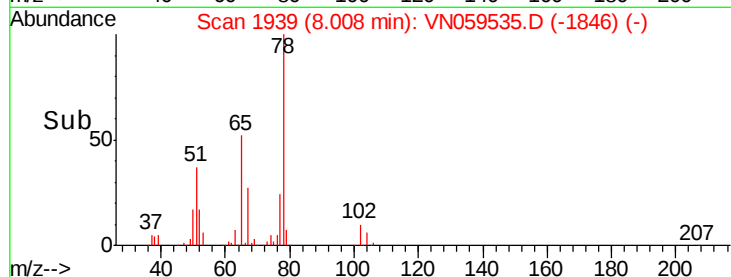
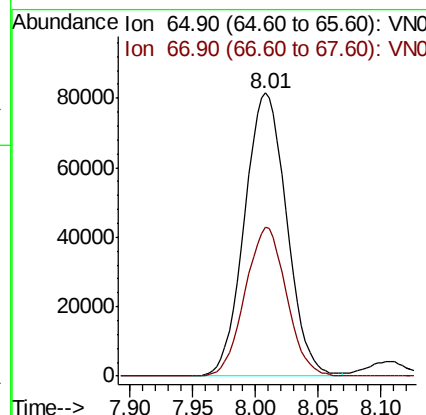
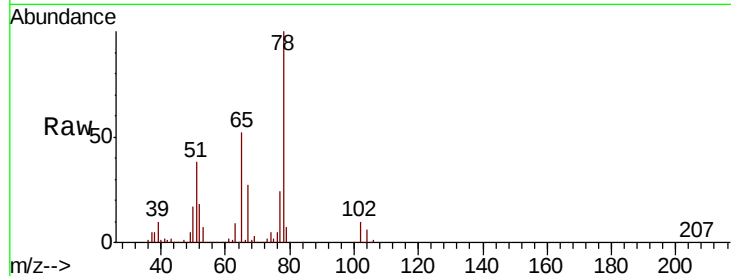




#33
 1,2-Dichloroethane-d4
 Concen: 49.419 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

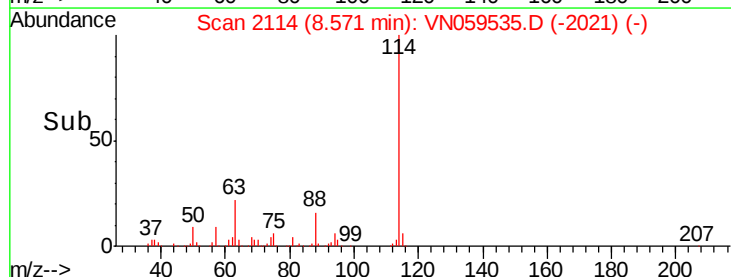
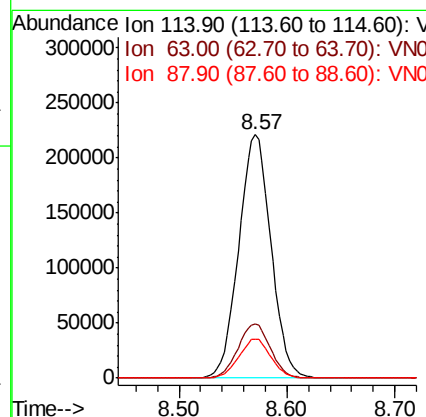
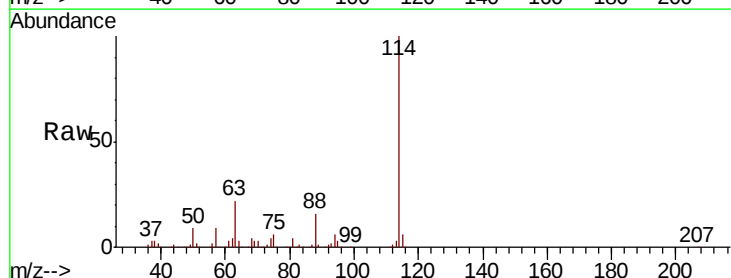
Instrument :
 MSVOA_N
 ClientSampleId :

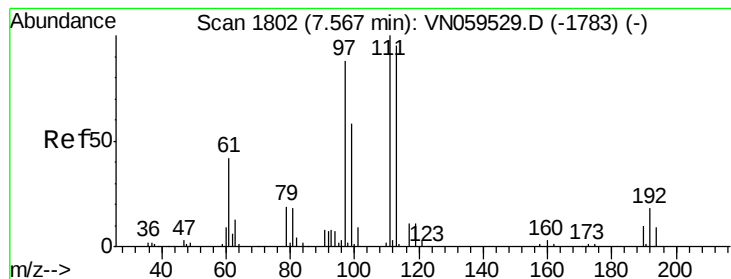
Tot Ion: 65 Resp: 190748
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion: 114 Resp: 459387
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.387 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :

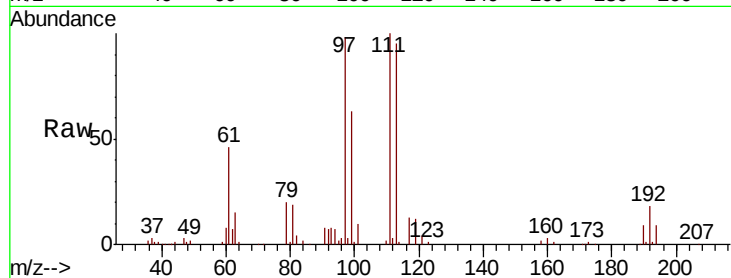
Tot Ion:113 Resp: 138130

Ion Ratio Lower Upper

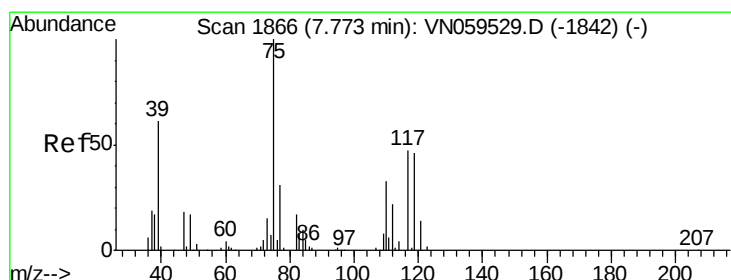
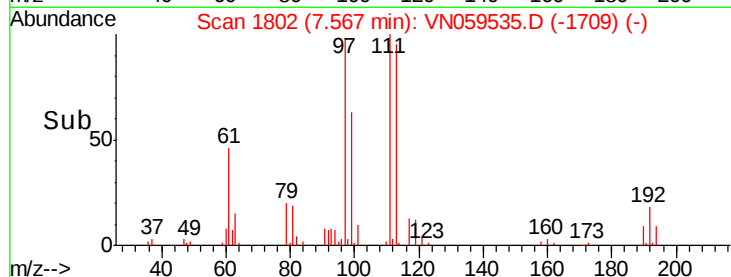
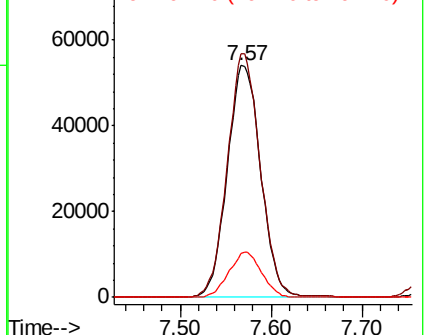
113 100

111 102.8 82.2 123.4

192 18.9 14.8 22.2



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: 44.559 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

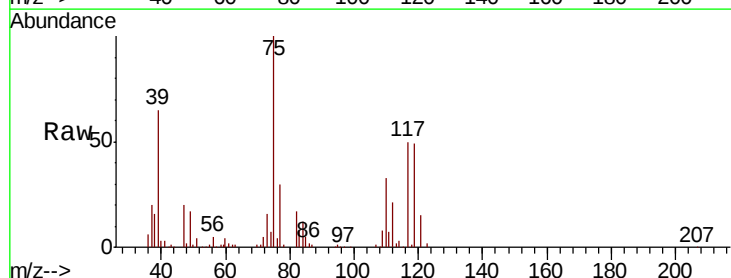
Tgt Ion: 75 Resp: 210014

Ion Ratio Lower Upper

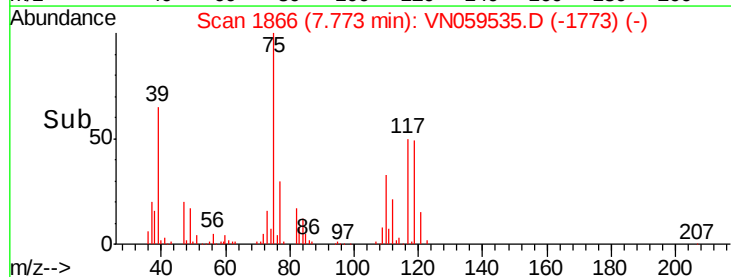
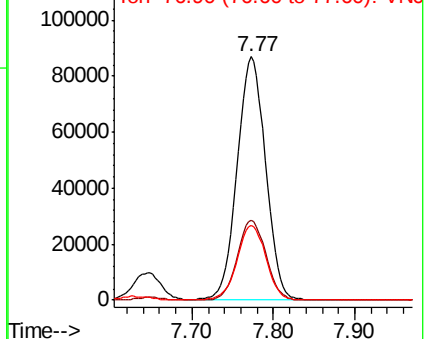
75 100

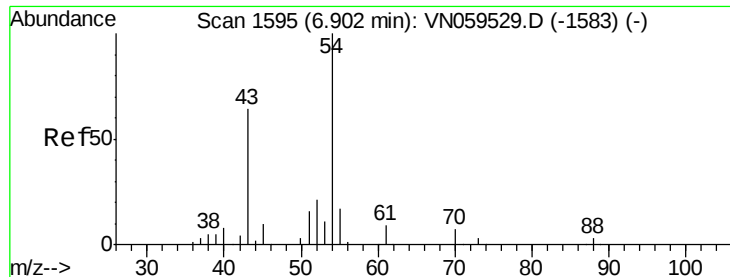
110 32.9 16.7 50.0

77 31.2 24.6 37.0



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

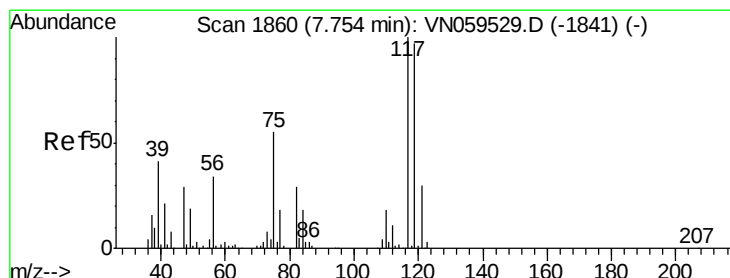
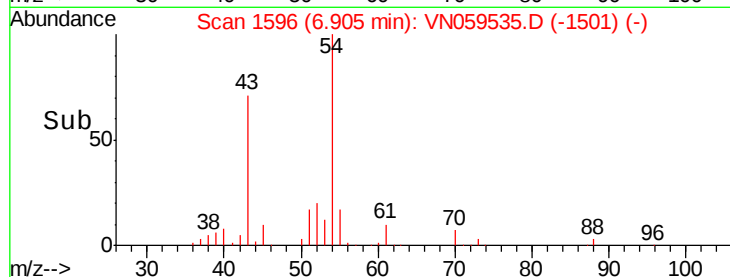
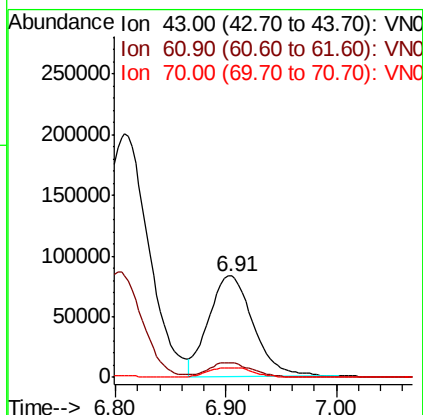
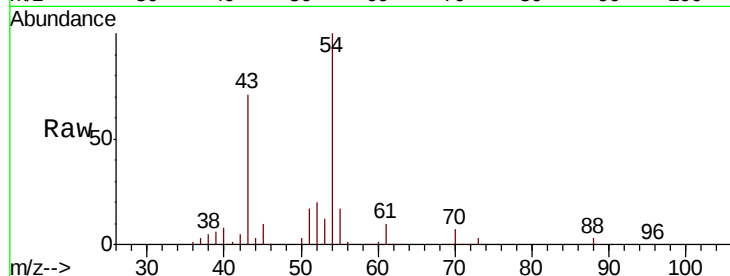




#37
Ethyl Acetate
Concen: 42.700 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

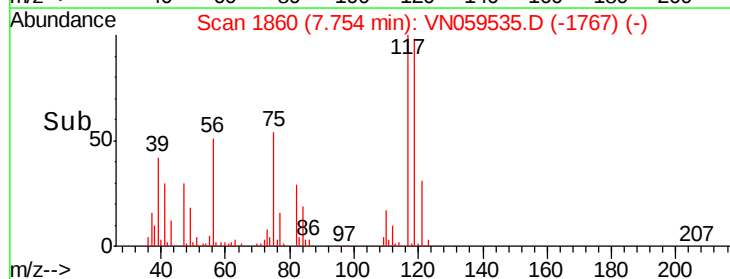
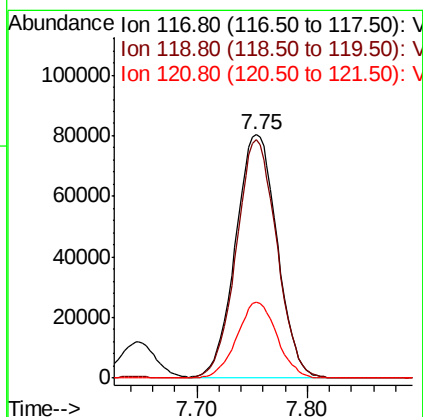
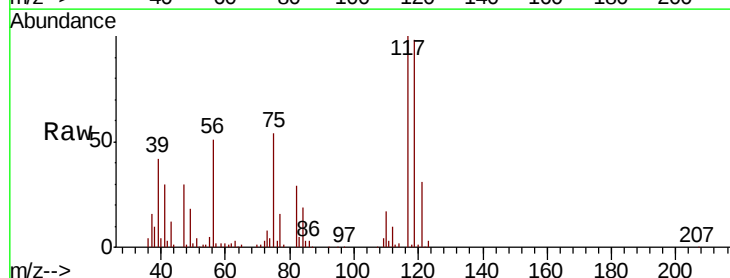
Instrument :
MSVOA_N
ClientSampled :

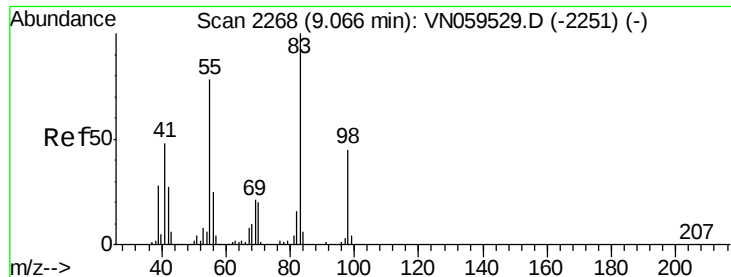
Tot Ion: 43 Resp: 233410
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.6
70 9.9 7.7 11.5



#38
Carbon Tetrachloride
Concen: 45.186 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 117 Resp: 209918
Ion Ratio Lower Upper
117 100
119 98.0 77.0 115.4
121 31.1 24.1 36.1

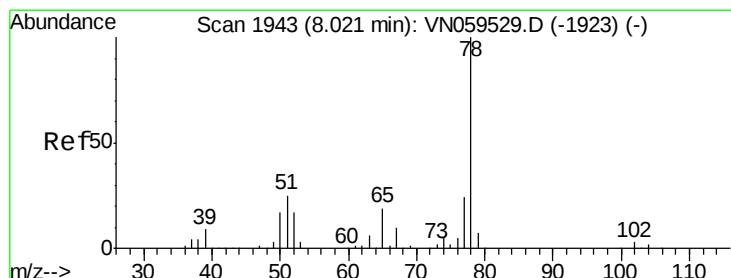
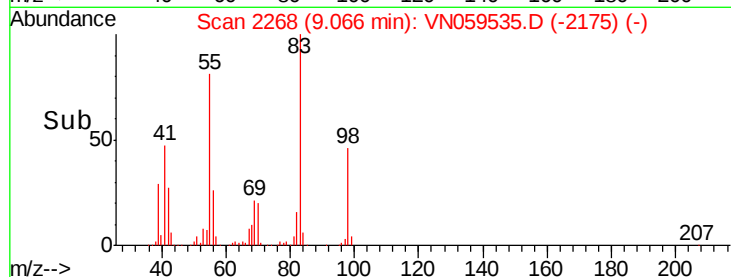
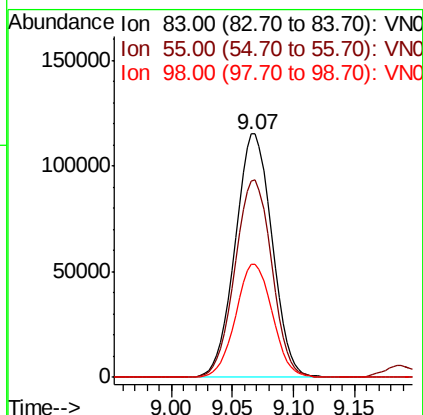
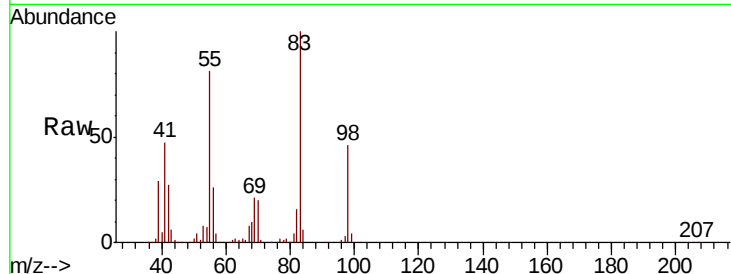




#39
Methvlcvclohexane
Concen: 45.730 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

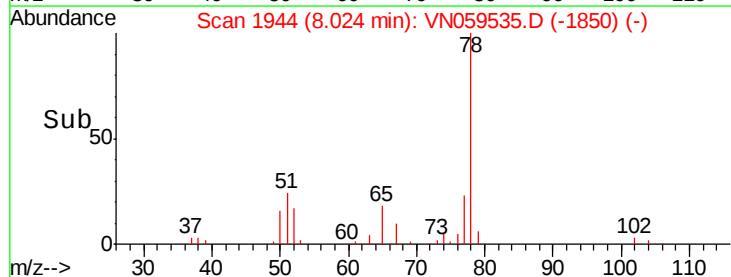
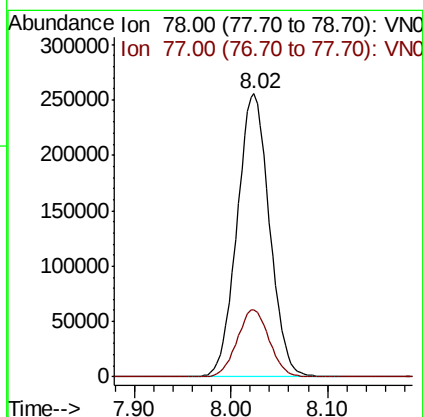
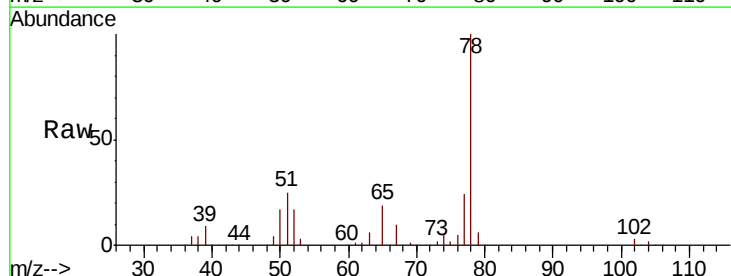
Instrument :
MSVOA_N
ClientSampleId :

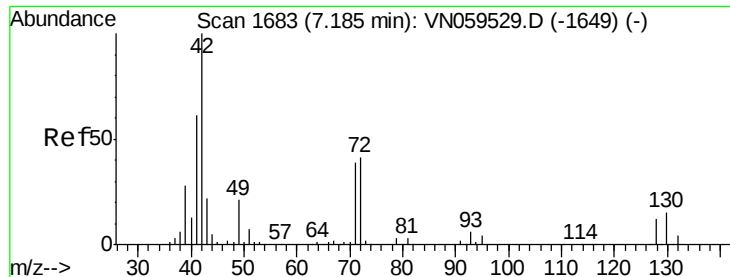
Tot Ion: 83 Resp: 241764
Ion Ratio Lower Upper
83 100
55 80.6 62.7 94.1
98 46.4 35.7 53.5



#40
Benzene
Concen: 44.164 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 78 Resp: 594633
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

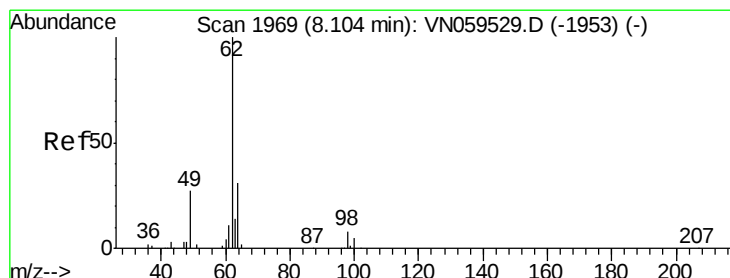
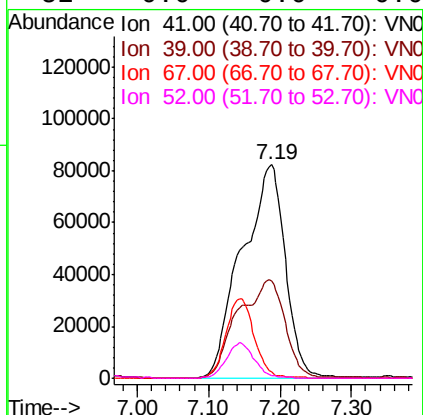
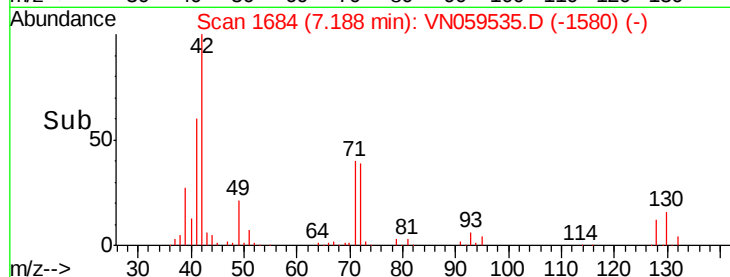
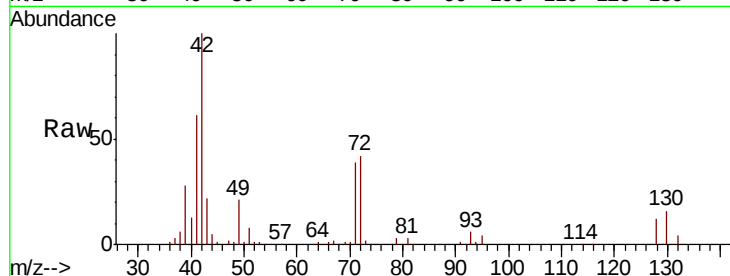




#41
Methacrylonitrile
Concen: 151.653 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

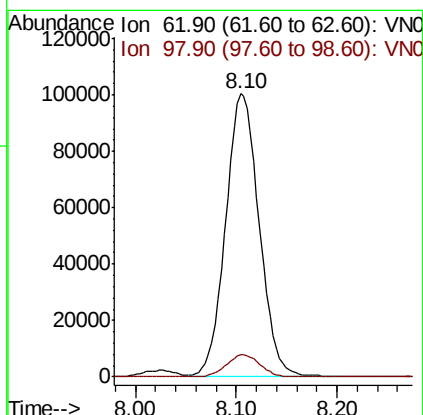
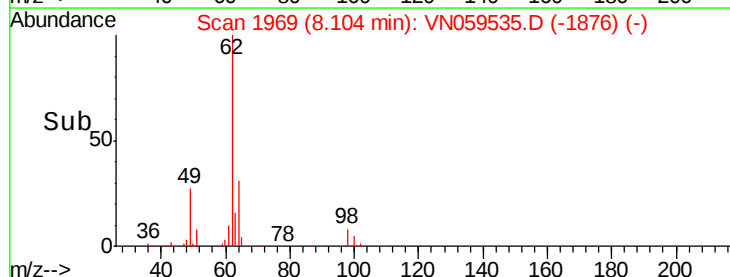
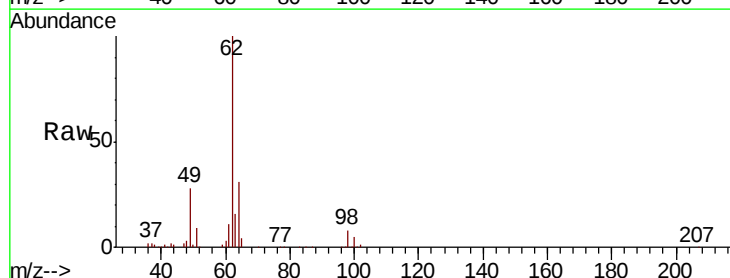
Instrument :
MSVOA_N
ClientSampled :

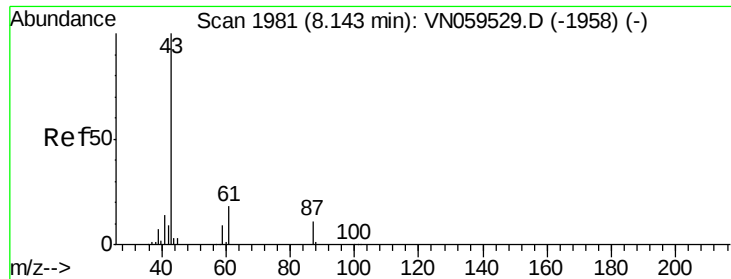
Tot Ion:	41	Resp:	347355
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 46.383 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion:	62	Resp:	232683
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.4



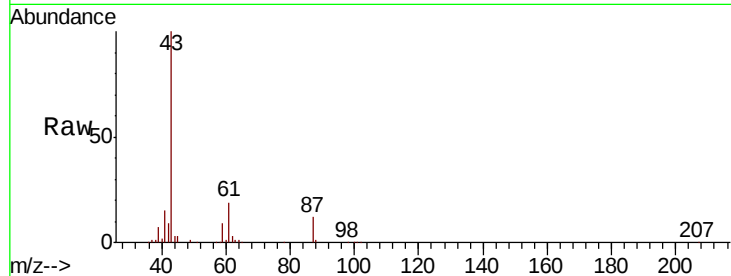


#43

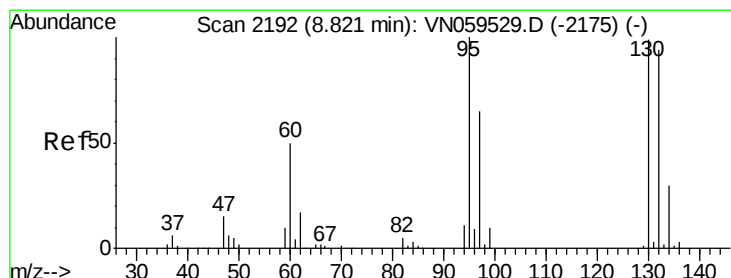
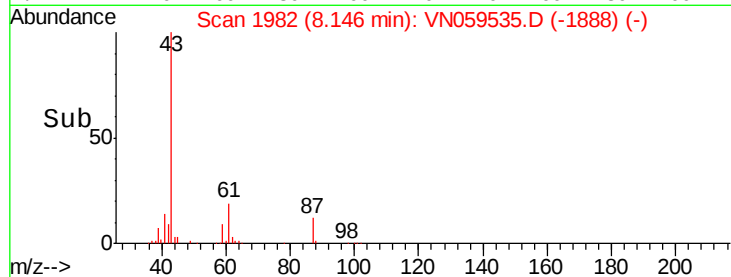
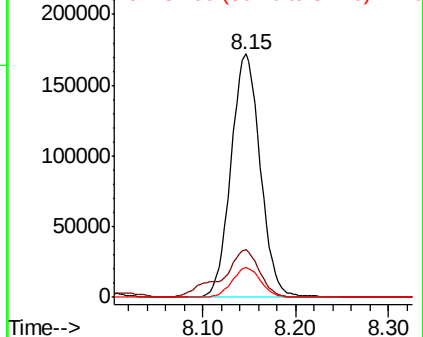
Isopropyl Acetate
 Concen: 46.094 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 375013
 Ion Ratio Lower Upper
 43 100
 61 25.4 19.8 29.6
 87 12.0 9.4 14.2



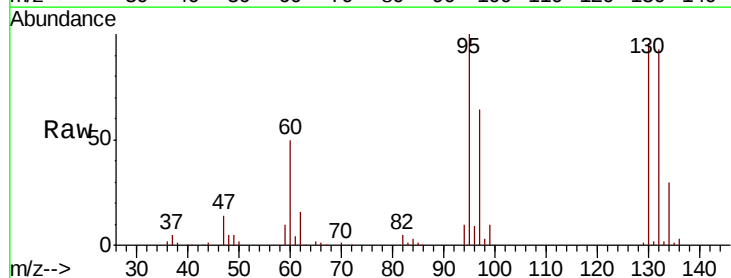
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



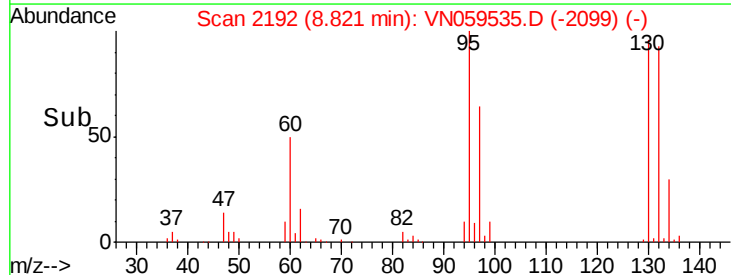
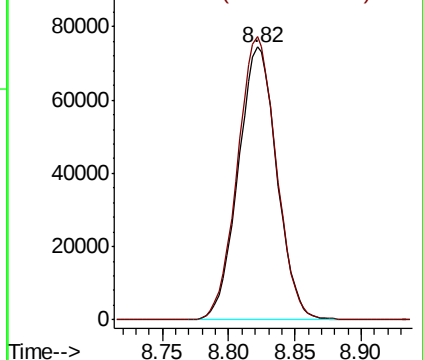
#44

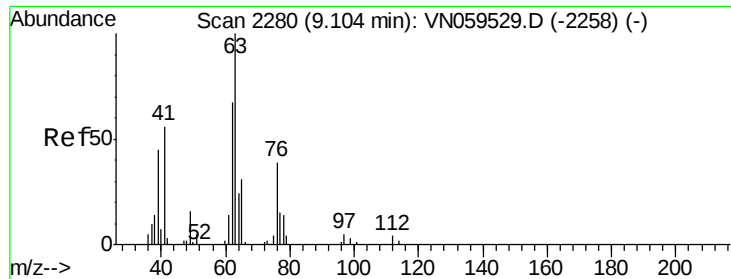
Trichloroethene
 Concen: 44.331 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion:130 Resp: 150791
 Ion Ratio Lower Upper
 130 100
 95 103.7 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

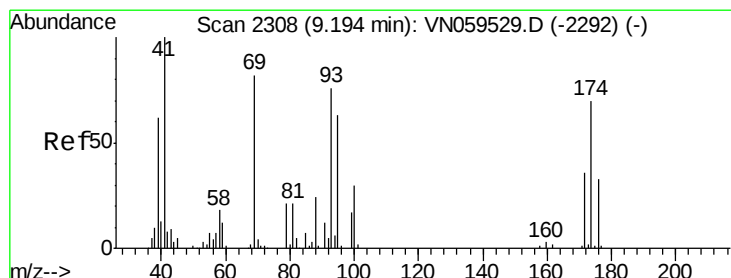
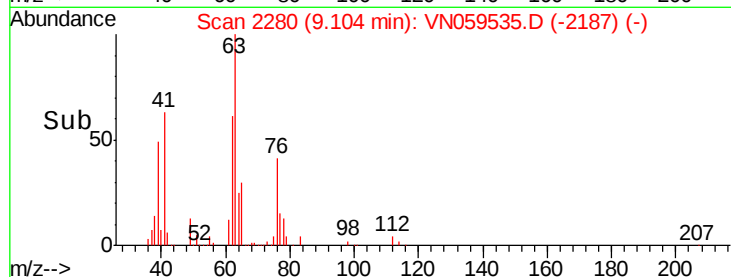
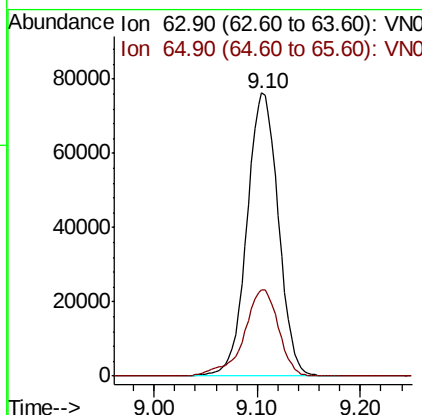
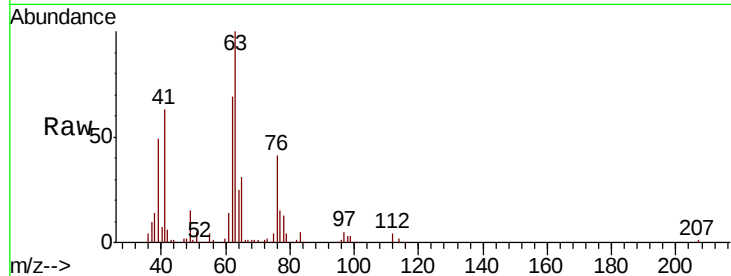




#45
 1,2-Dichloropropane
 Concen: 45.118 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

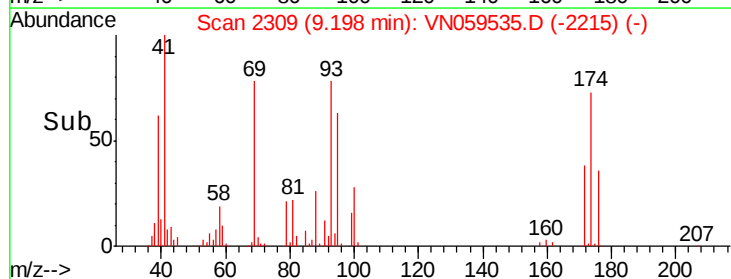
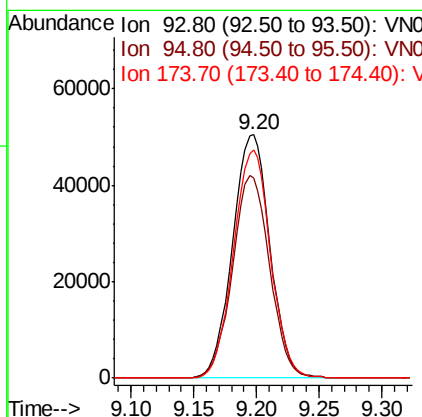
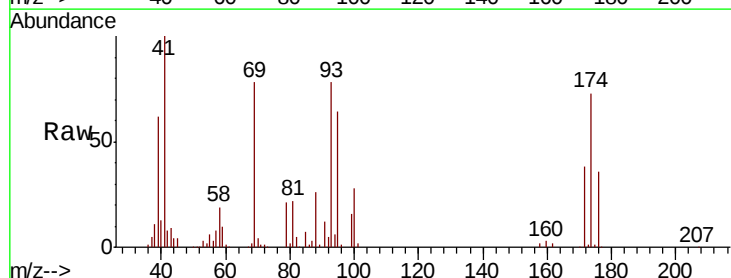
Instrument :
 MSVOA_N
 ClientSampleId :

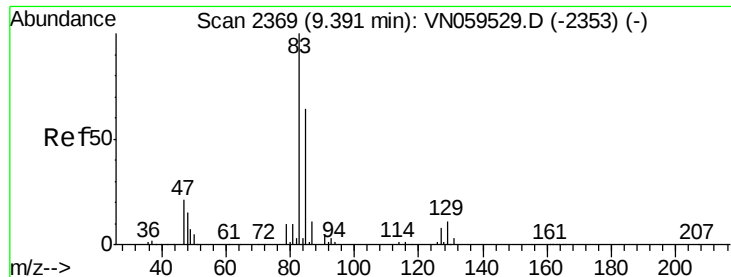
Tot Ion: 63 Resp: 160925
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.8 37.2



#46
 Dibromomethane
 Concen: 44.449 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion: 93 Resp: 104776
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.6
 174 93.0 75.6 113.4





#47

Bromodichloromethane

Concen: 45.546 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :

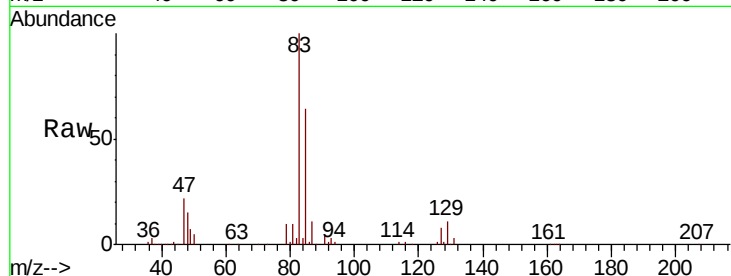
Tot Ion: 83 Resp: 213371

Ion Ratio Lower Upper

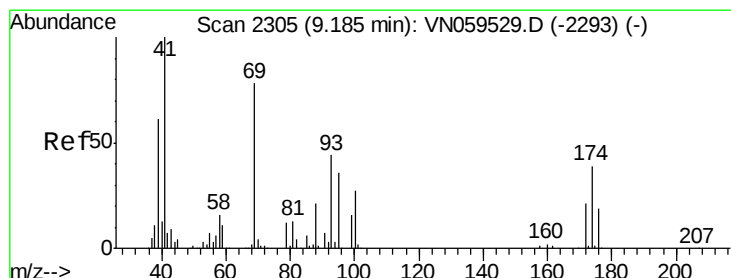
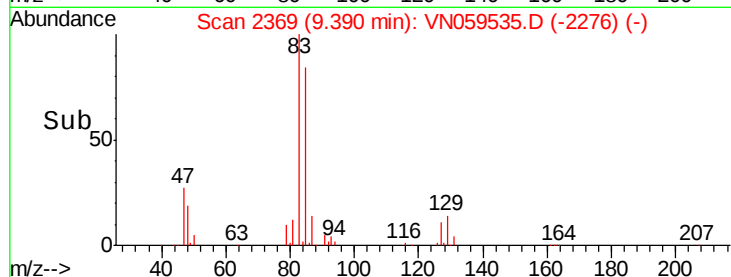
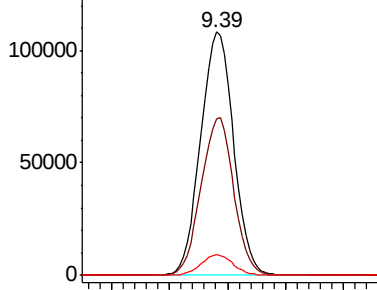
83 100

85 64.4 51.4 77.0

127 8.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.562 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

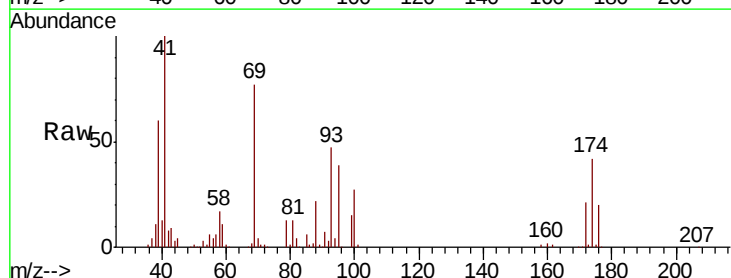
Tgt Ion: 41 Resp: 169195

Ion Ratio Lower Upper

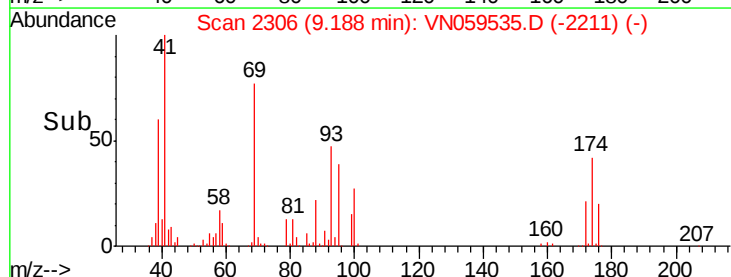
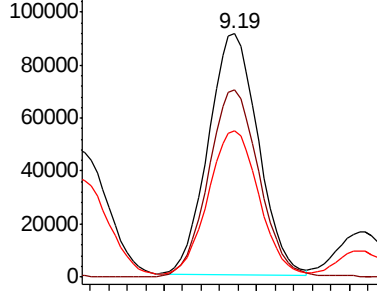
41 100

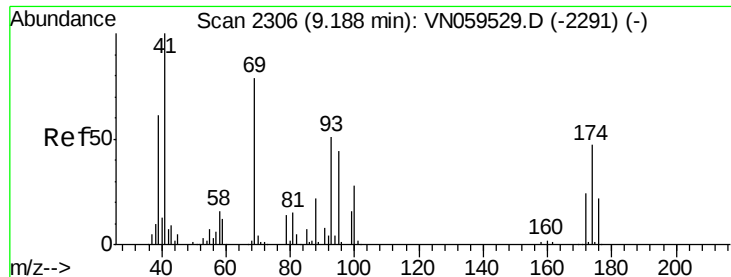
69 79.8 64.0 96.0

39 62.5 50.0 75.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

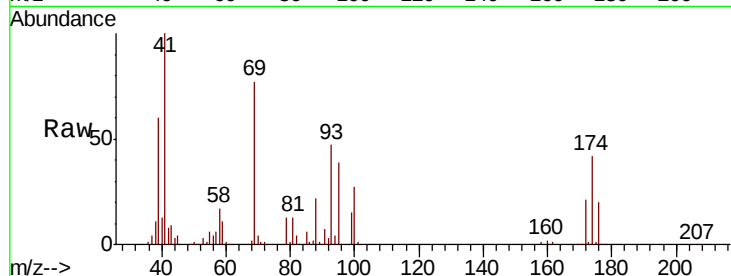




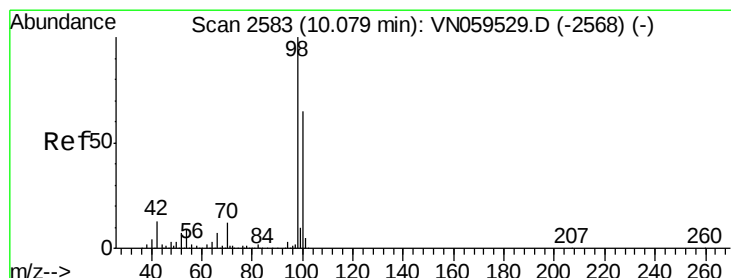
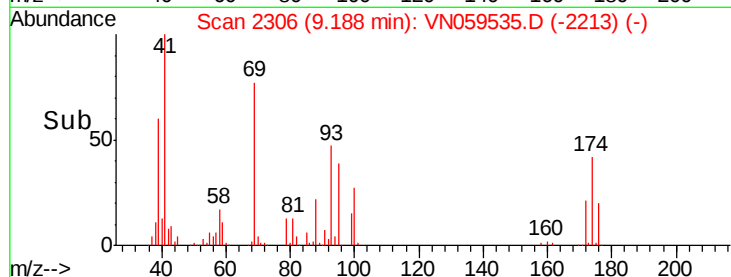
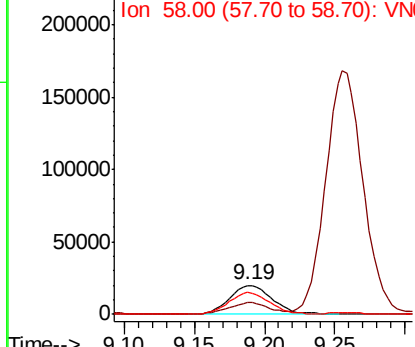
#49
1,4-Dioxane
Concen: 929.827 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 42321
Ion Ratio Lower Upper
88 100
43 38.8 31.4 47.0
58 74.2 61.0 91.6

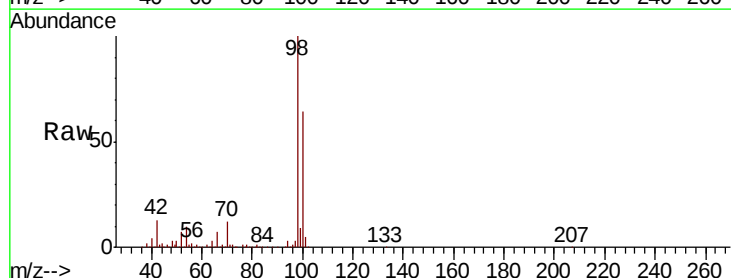


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

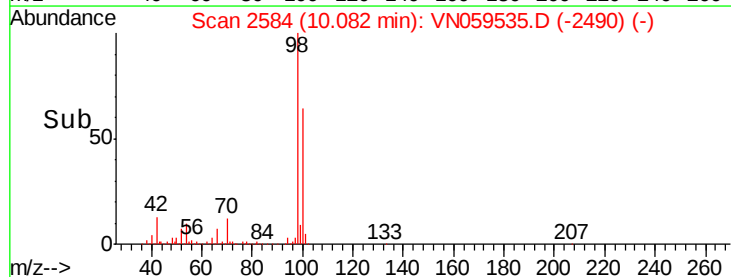
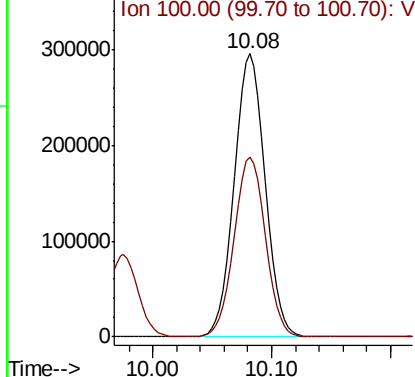


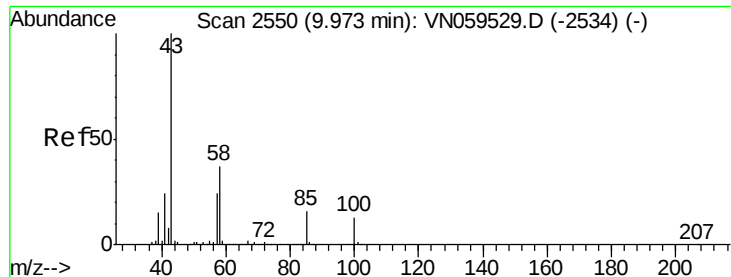
#50
Toluene-d8
Concen: 47.595 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 98 Resp: 532678
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



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: 221.886 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

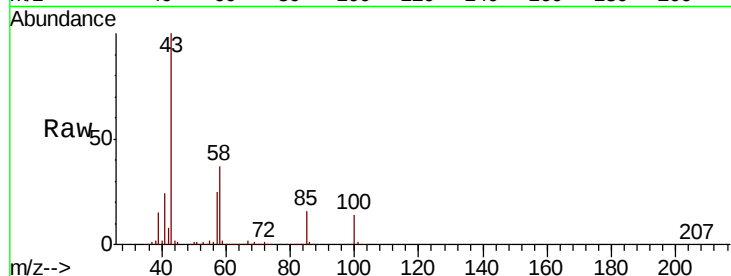
ClientSampleId :

Tot Ion: 43 Resp: 1147485

Ion Ratio Lower Upper

43 100

58 37.2 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-2534) (-)

9.98

600000

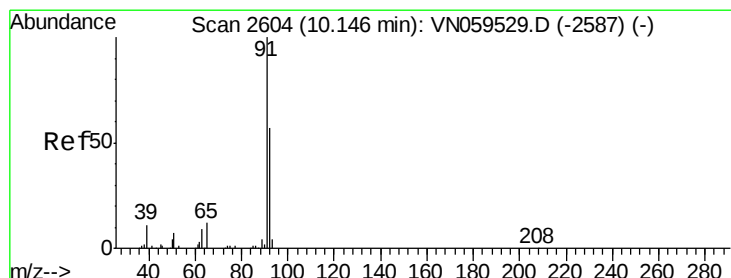
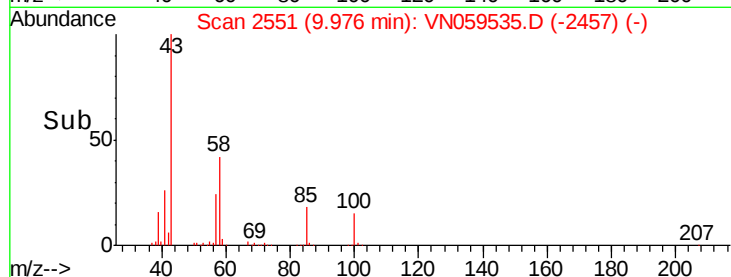
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 45.932 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059535.D

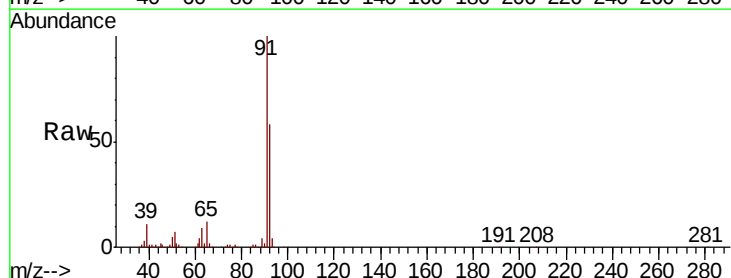
Acq: 9 Dec 2019 18:25

Tgt Ion: 92 Resp: 368481

Ion Ratio Lower Upper

92 100

91 172.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN059529.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059529.D (-2587) (-)

400000

300000

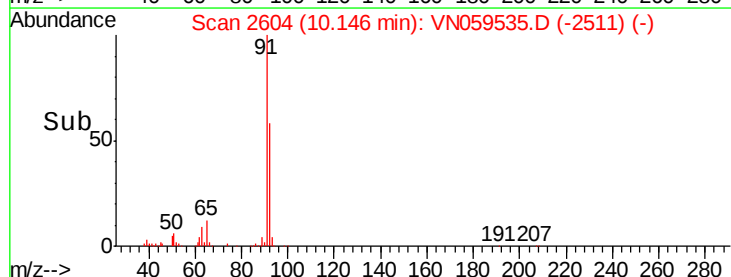
200000

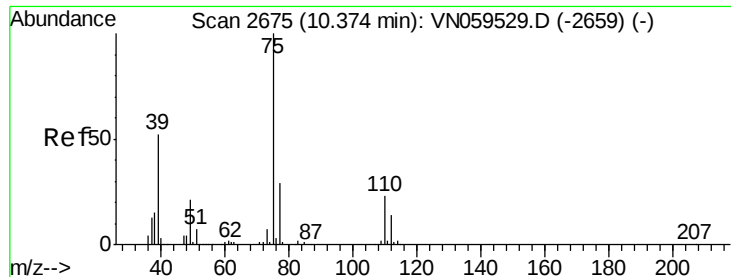
100000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.677 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

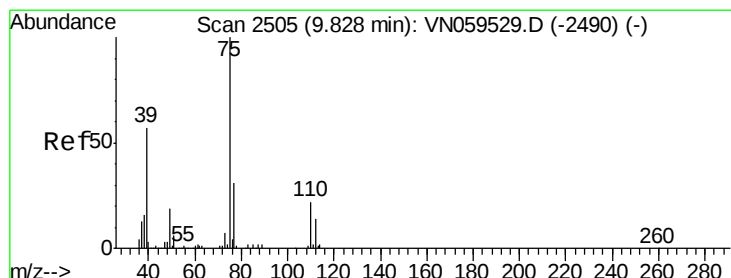
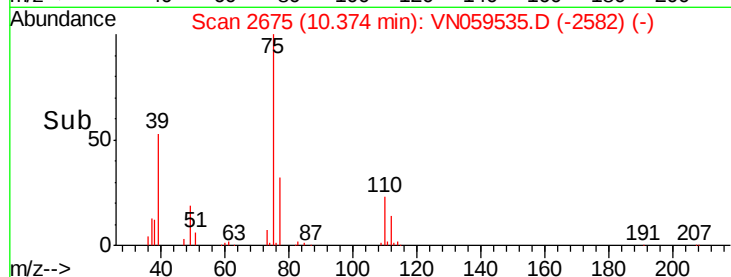
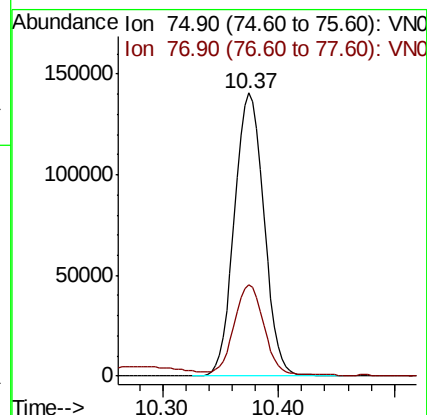
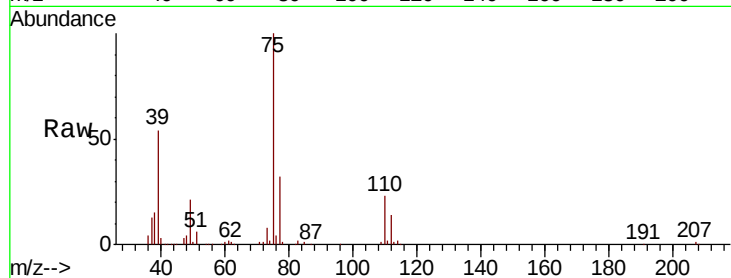
ClientSampled :

Tot Ion: 75 Resp: 249320

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 46.556 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

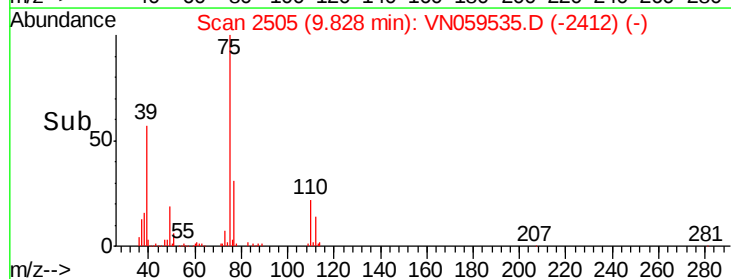
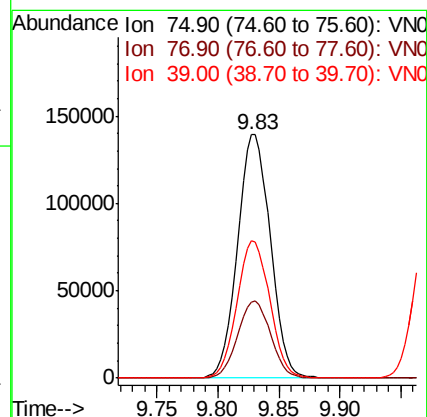
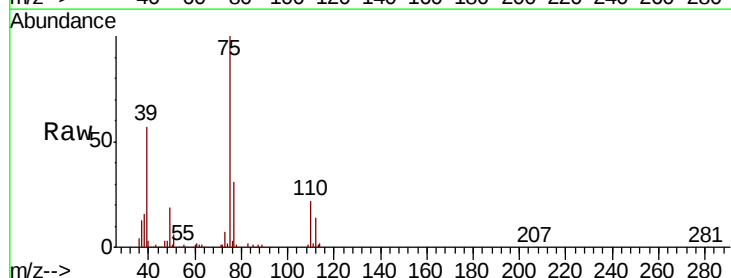
Tgt Ion: 75 Resp: 260082

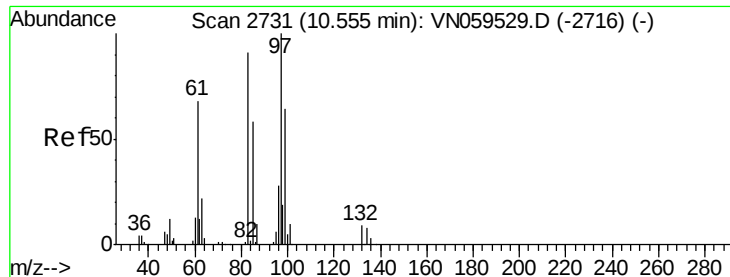
Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 56.7 45.6 68.4

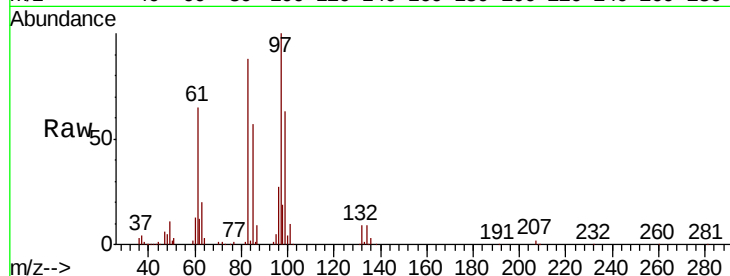




#55
 1,1,2-Trichloroethane
 Concen: 48.034 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	97	Resp	155847
Ion	Ratio	Lower	Upper
97	100		
83	88.2	72.9	109.3
85	56.5	46.1	69.1
99	63.3	50.8	76.2



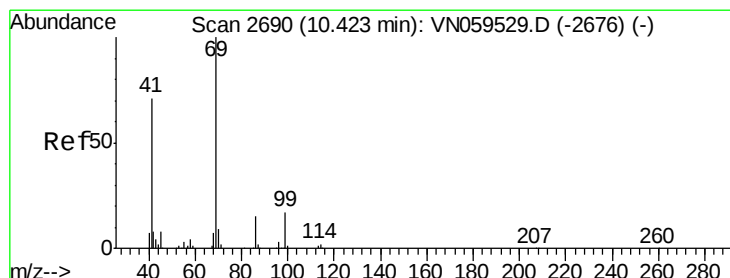
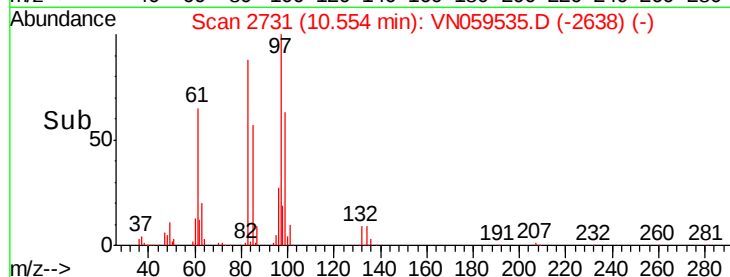
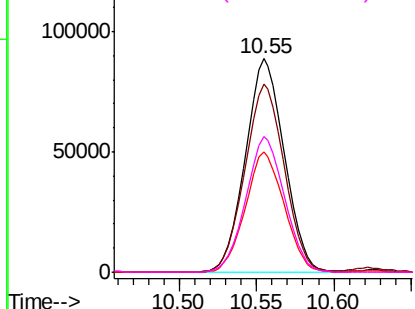
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

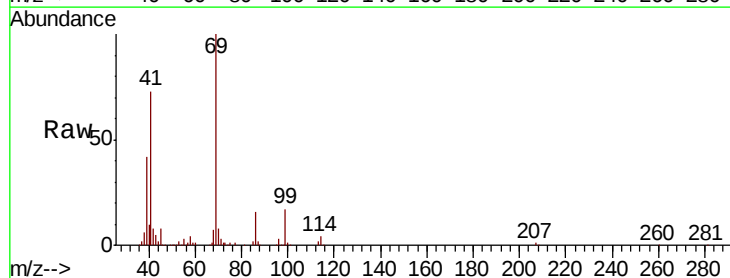
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 40.826 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion	69	Resp	225908
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.7	86.5
39	41.7	34.2	51.2

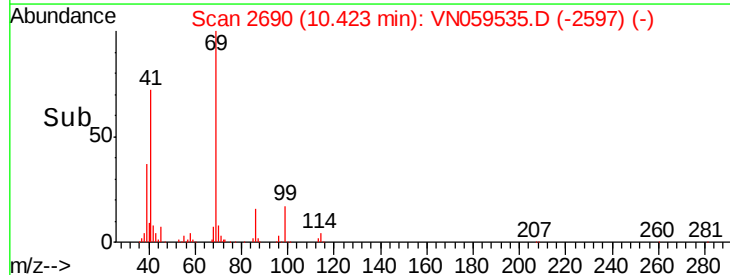
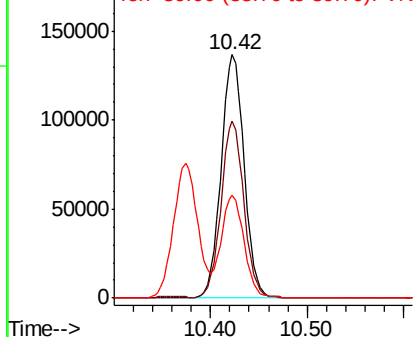


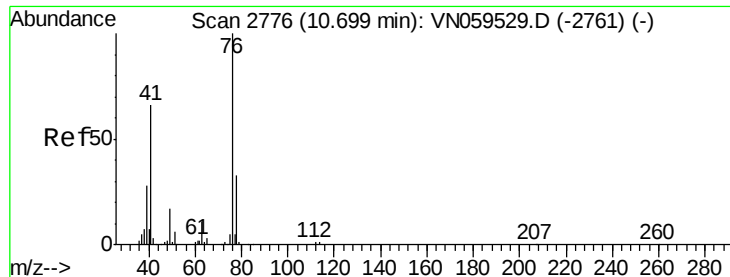
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 45.877 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

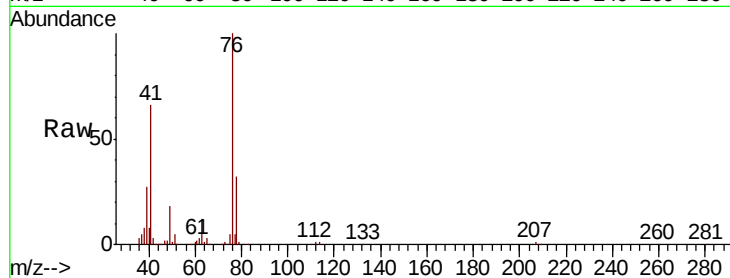
ClientSampleId :

Tot Ion: 76 Resp: 254219

Ion Ratio Lower Upper

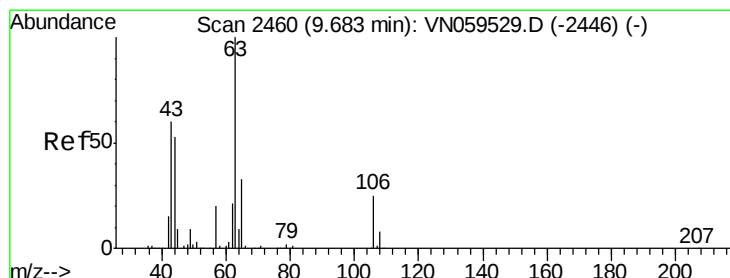
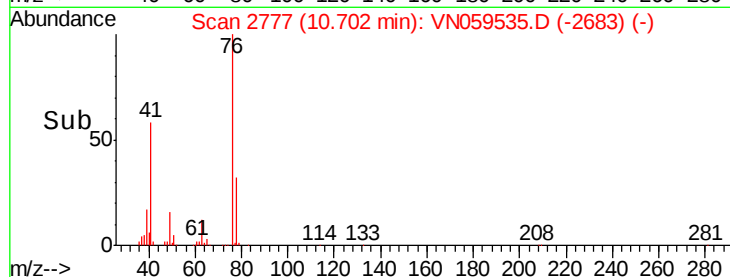
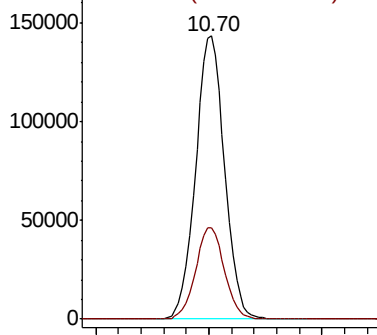
76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 215.211 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059535.D

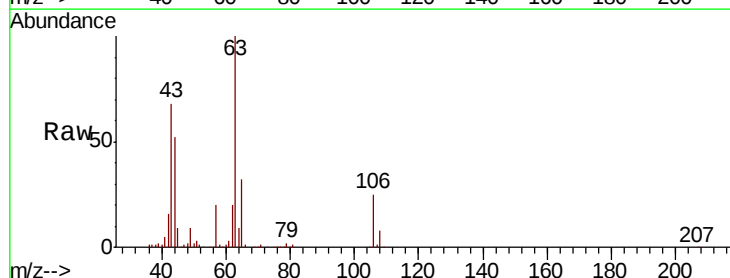
Acq: 9 Dec 2019 18:25

Tgt Ion: 63 Resp: 286050

Ion Ratio Lower Upper

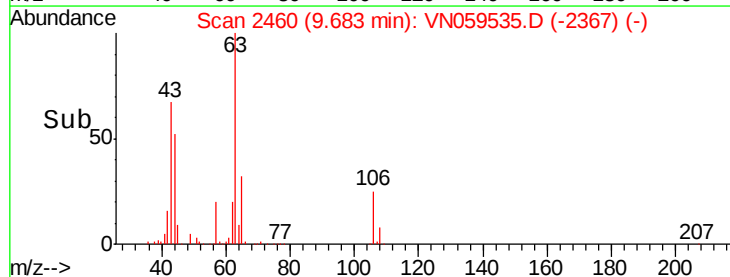
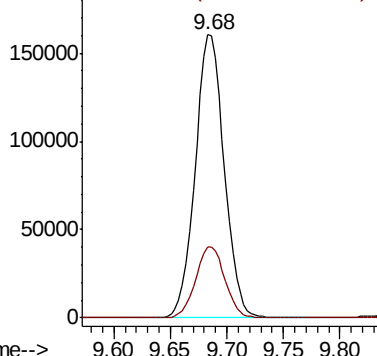
63 100

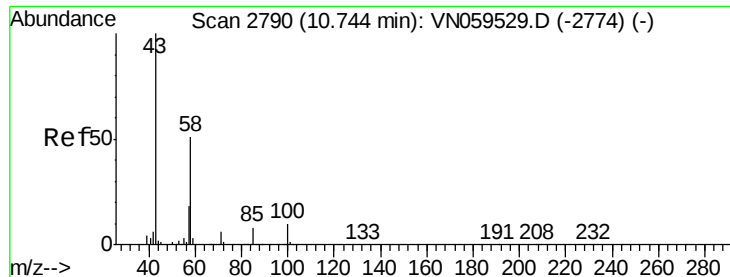
106 25.3 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

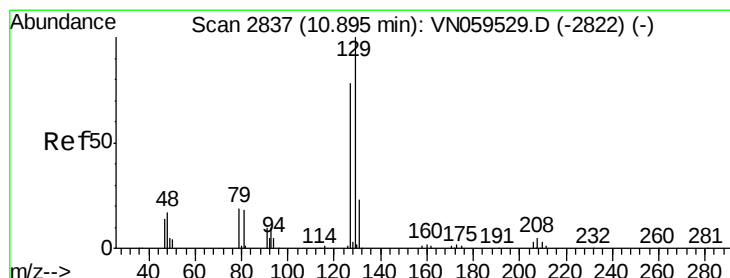
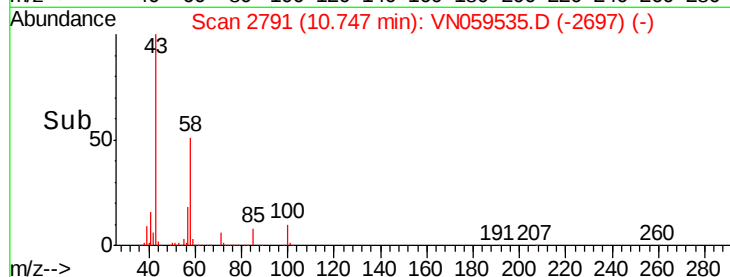
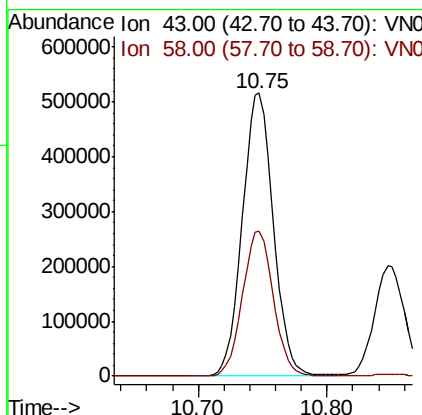
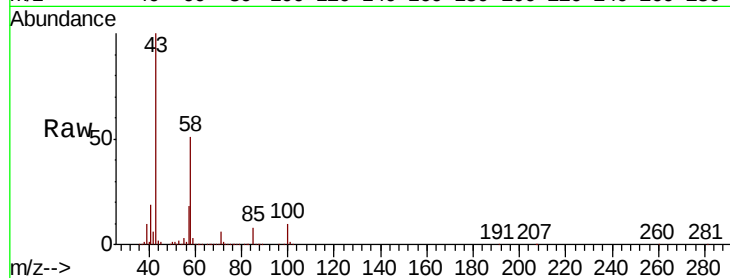




#59
2-Hexanone
Concen: 218.852 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

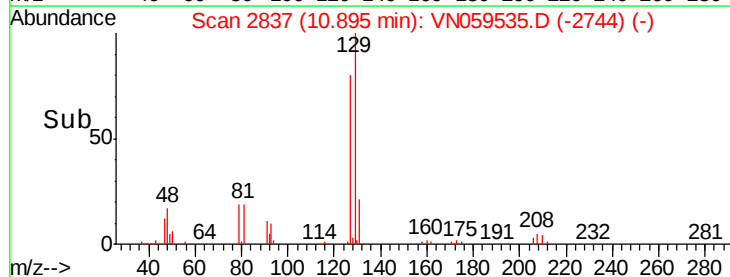
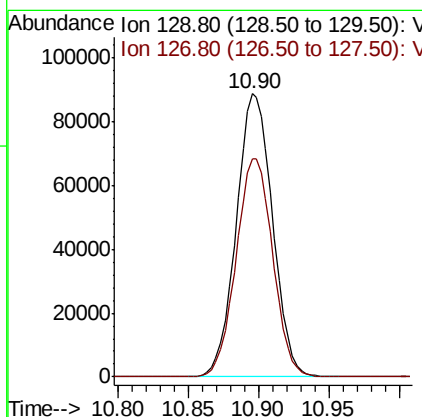
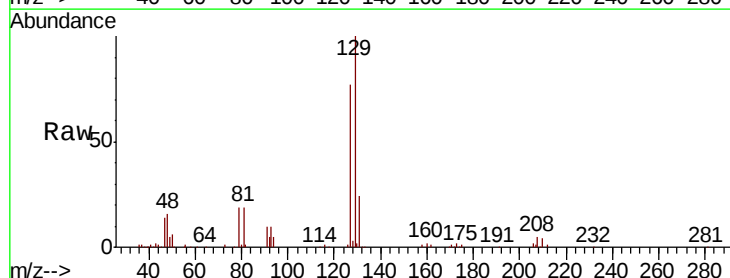
Instrument :
MSVOA_N
ClientSampled :

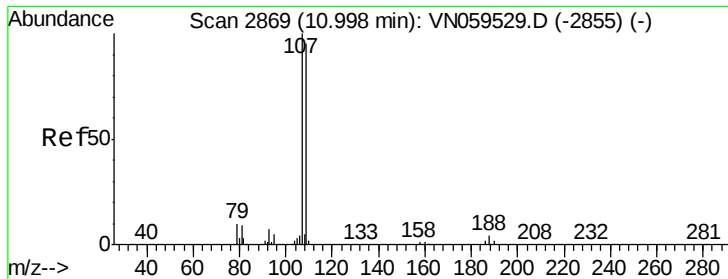
Tot Ion: 43 Resp: 863018
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.6



#60
Dibromochloromethane
Concen: 41.455 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion: 129 Resp: 159819
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 45.175 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

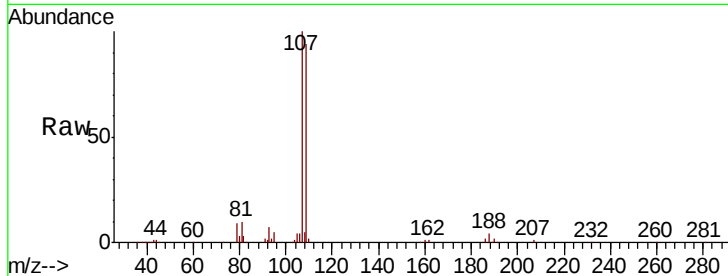
ClientSampleId :

Tot Ion: 107 Resp: 152587

Ion Ratio Lower Upper

107 100

109 94.4 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

80000

60000

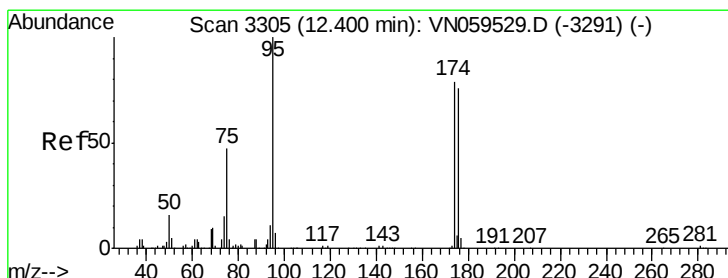
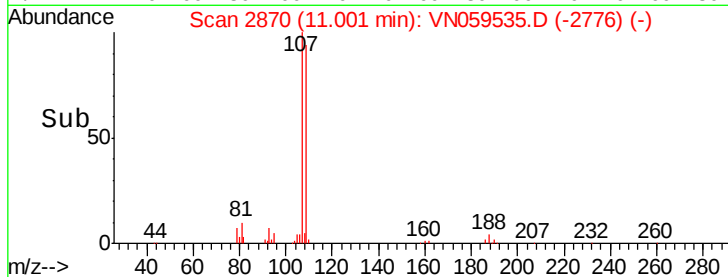
40000

20000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 47.099 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

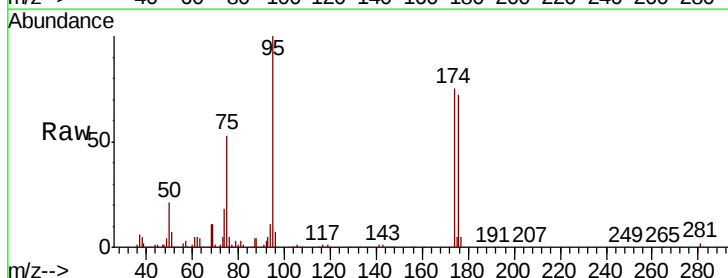
Tgt Ion: 95 Resp: 195121

Ion Ratio Lower Upper

95 100

174 76.8 0.0 158.0

176 73.9 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

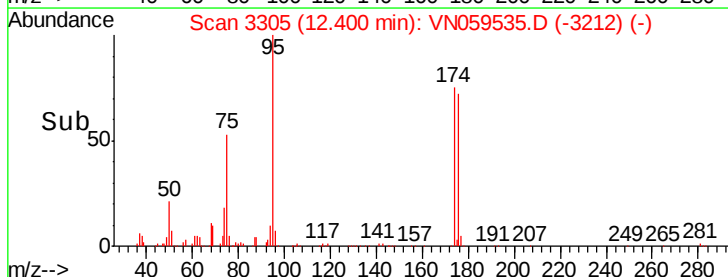
100000

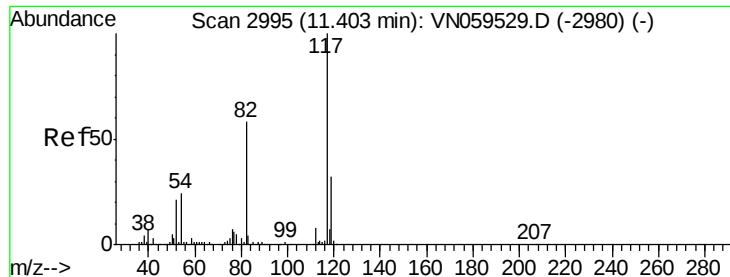
50000

0

Time-->

12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

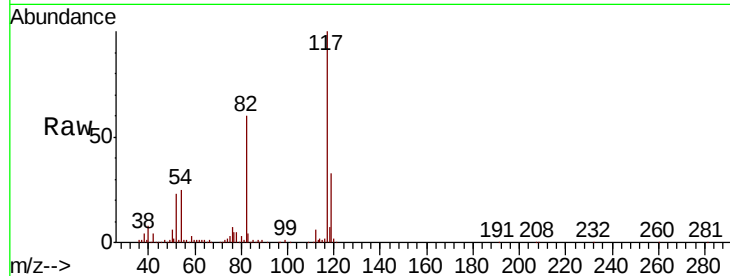
Tot Ion:117 Resp: 401785

Ion Ratio Lower Upper

117 100

82 59.7 46.5 69.7

119 32.6 25.2 37.8

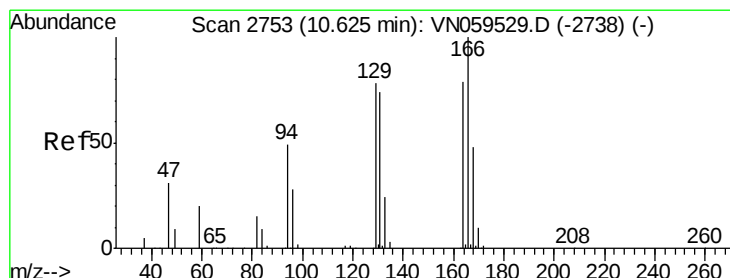
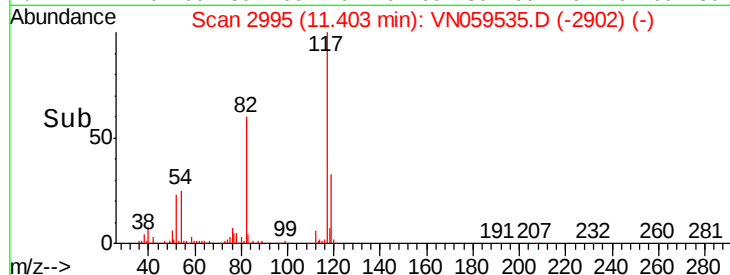
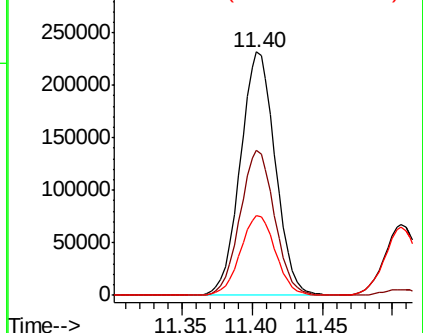


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.652 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Tgt Ion:164 Resp: 134055

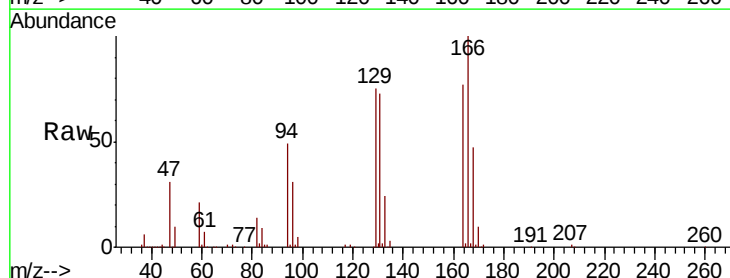
Ion Ratio Lower Upper

164 100

166 129.2 101.6 152.4

129 97.3 79.0 118.6

131 94.7 74.7 112.1



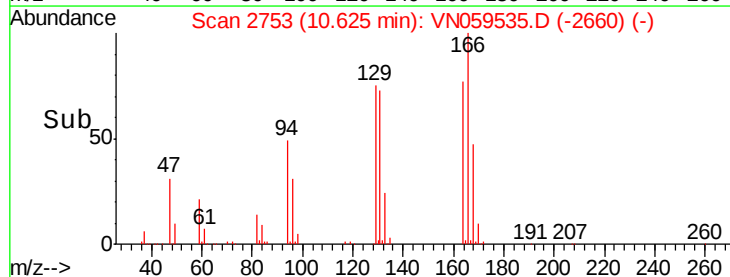
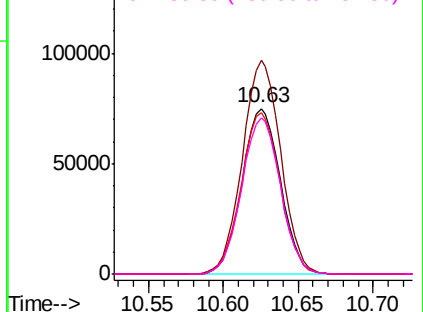
Abundance

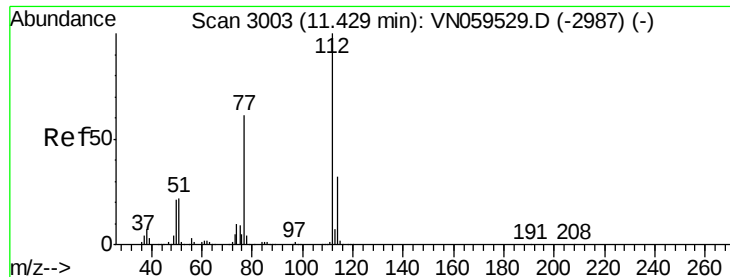
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

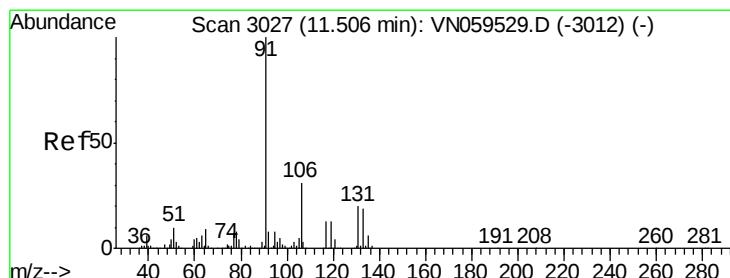
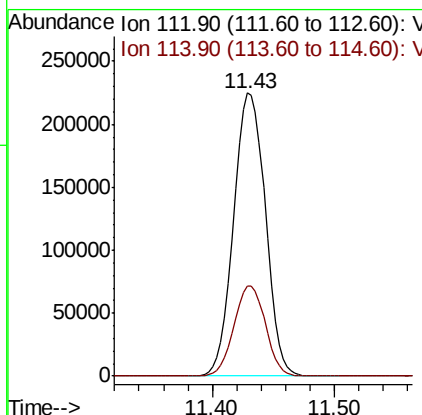
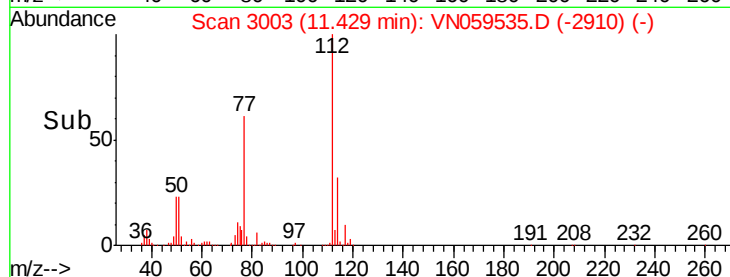
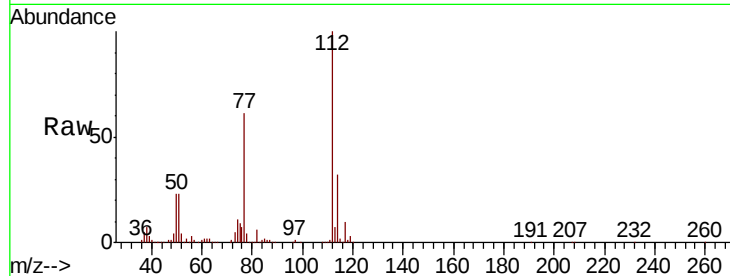




#65
Chlorobenzene
Concen: 48.225 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

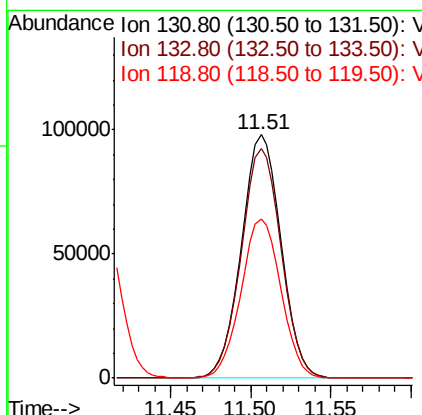
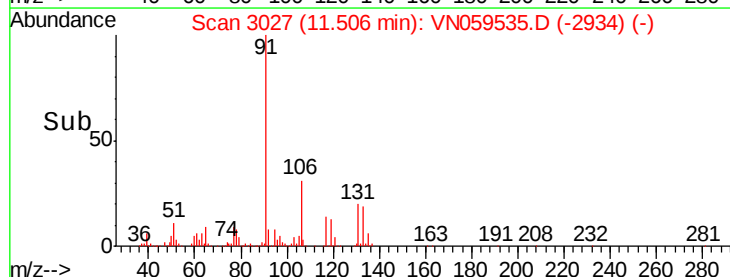
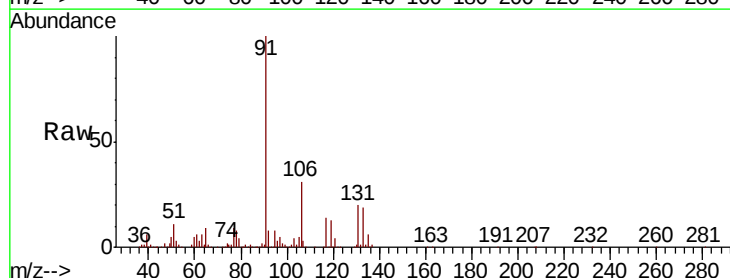
Instrument :
MSVOA_N
ClientSampleId :

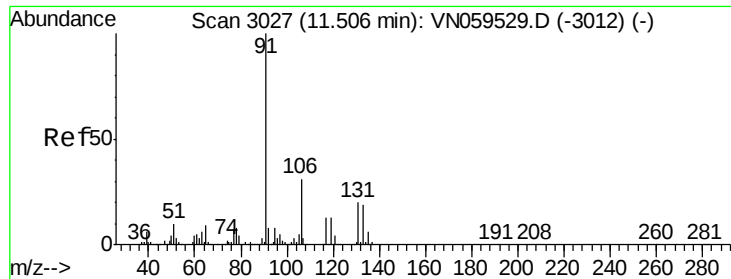
Tot Ion:112 Resp: 405990
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.574 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion:131 Resp: 165077
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 66.0 33.4 100.2





#67

Ethyl Benzene

Concen: 53.331 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

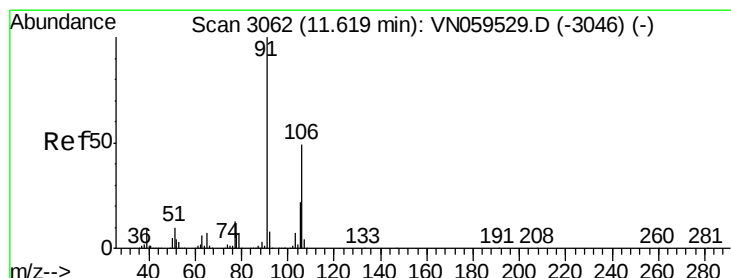
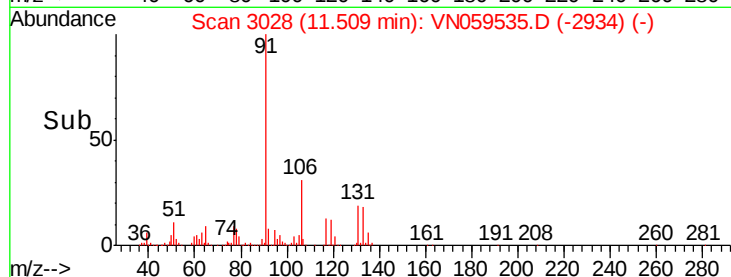
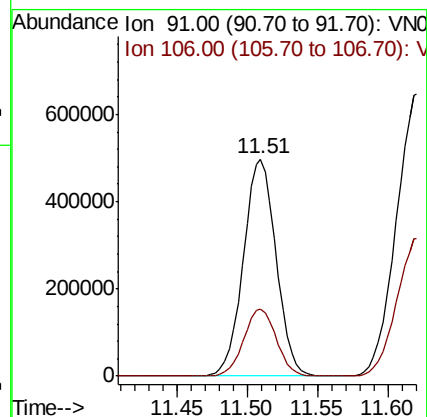
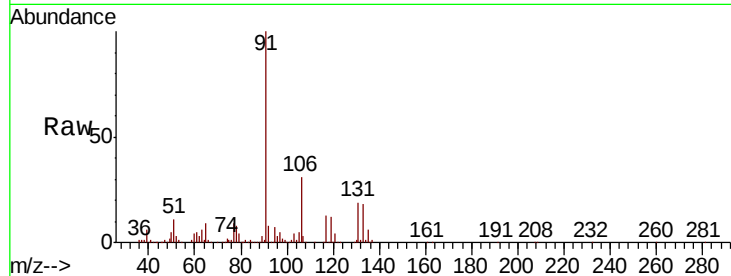
ClientSampleId :

Tot Ion: 91 Resp: 807926

Ion Ratio Lower Upper

91 100

106 31.1 24.5 36.7



#68

m/p-Xylenes

Concen: 103.600 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059535.D

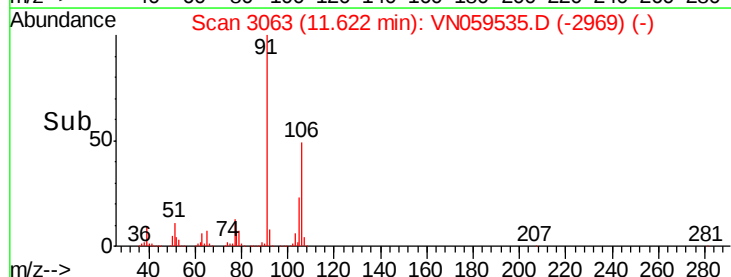
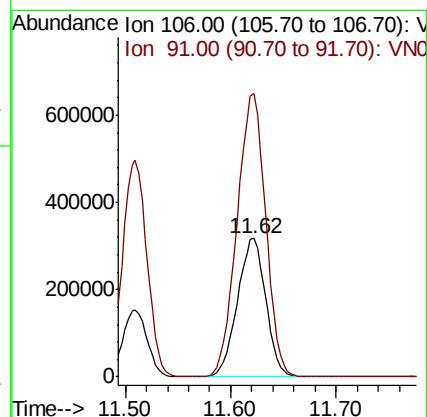
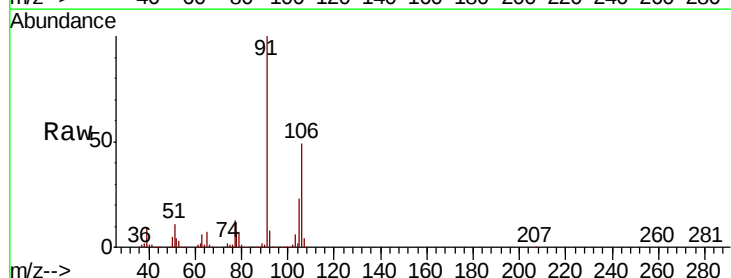
Acq: 9 Dec 2019 18:25

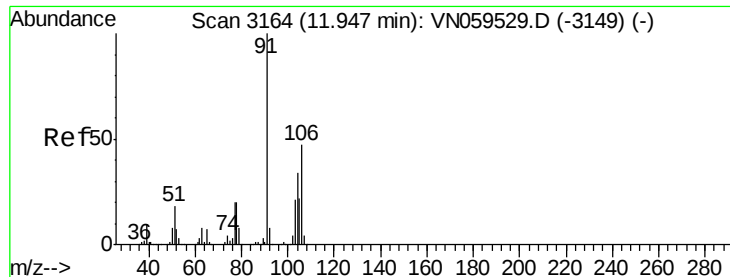
Tgt Ion: 106 Resp: 588758

Ion Ratio Lower Upper

106 100

91 207.2 162.9 244.3

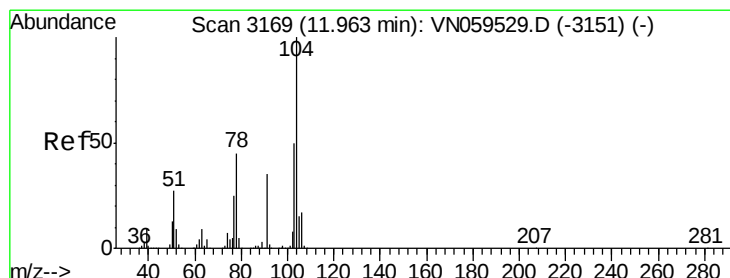
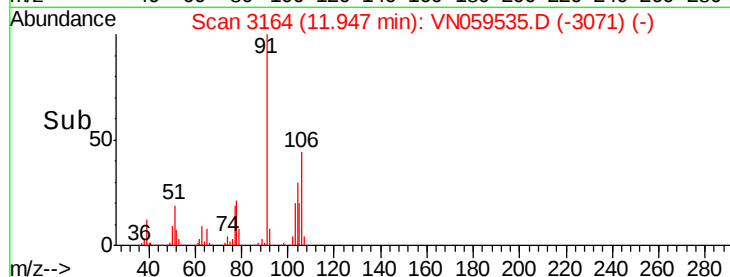
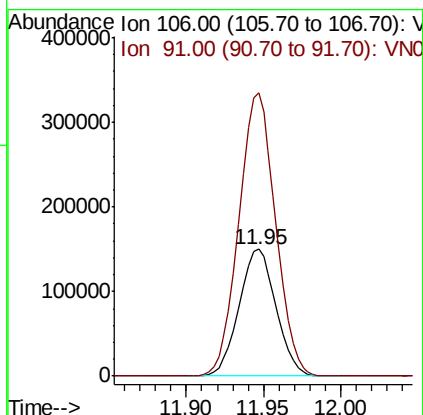
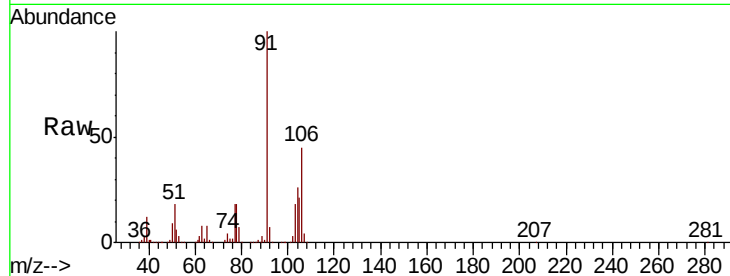




#69
o-Xylene
Concen: 47.145 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

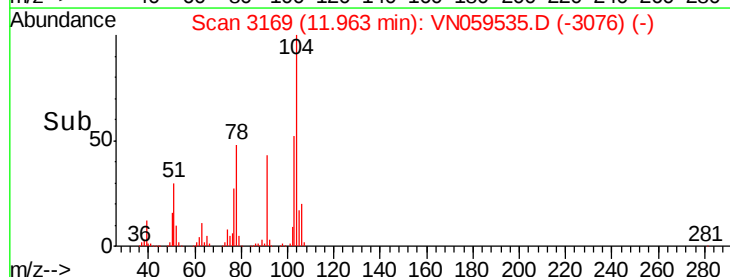
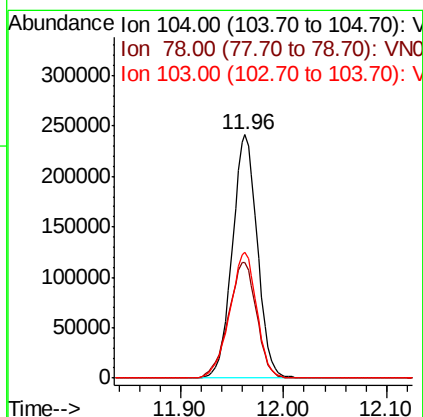
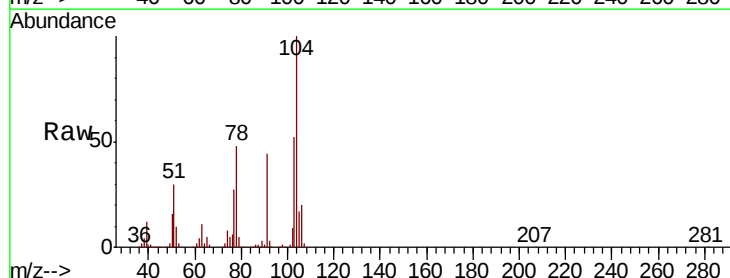
Instrument :
MSVOA_N
ClientSampleId :

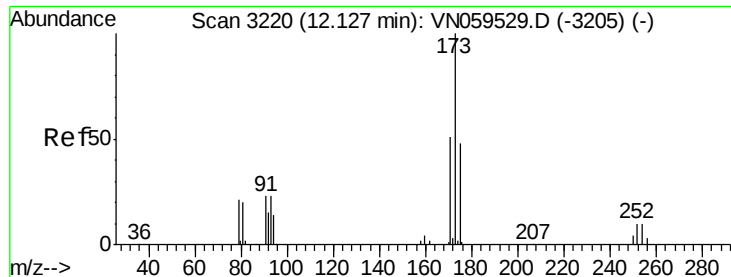
Tot Ion:106 Resp: 249374
Ion Ratio Lower Upper
106 100
91 221.3 106.7 319.9



#70
Styrene
Concen: 46.496 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion:104 Resp: 407452
Ion Ratio Lower Upper
104 100
78 53.6 40.6 60.8
103 55.6 43.9 65.9





#71

Bromoform

Concen: 46.807 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

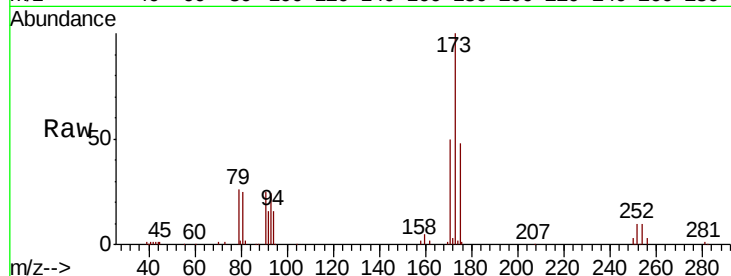
Tot Ion:173 Resp: 115640

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

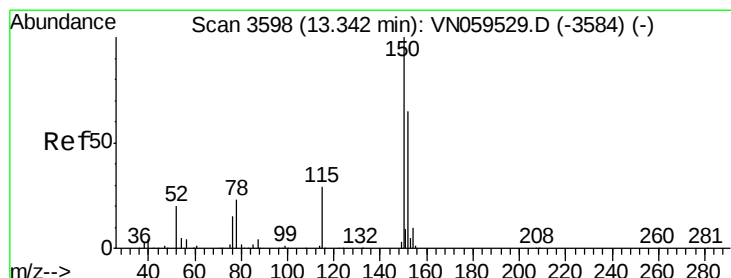
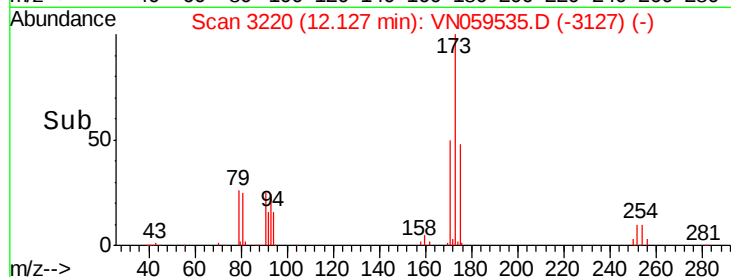
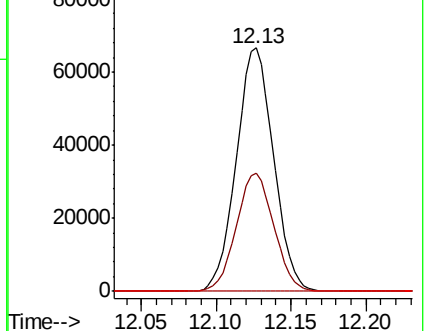
254 0.0 0.0 0.0



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

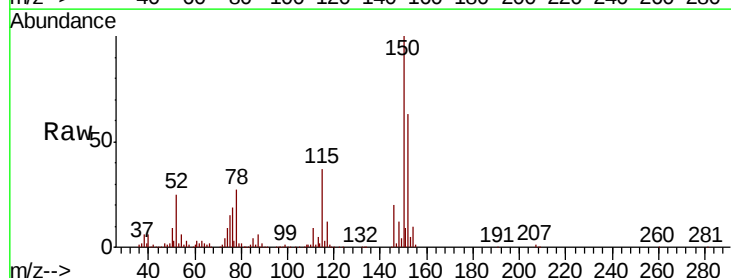
Tgt Ion:152 Resp: 196680

Ion Ratio Lower Upper

152 100

115 60.3 29.4 88.2

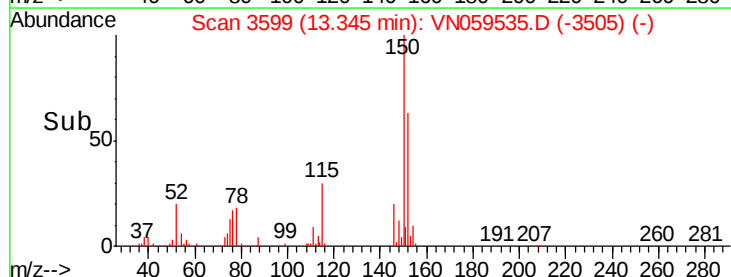
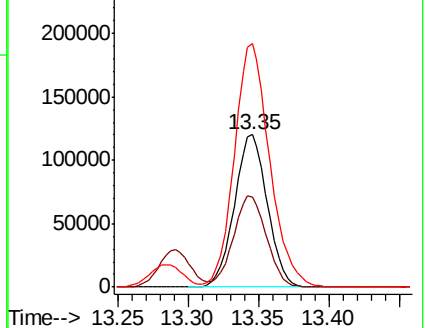
150 171.3 0.0 342.4

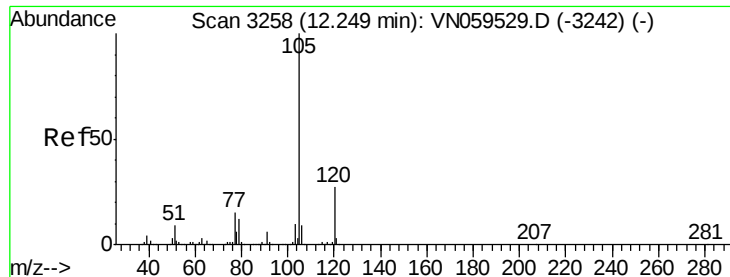


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.290 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

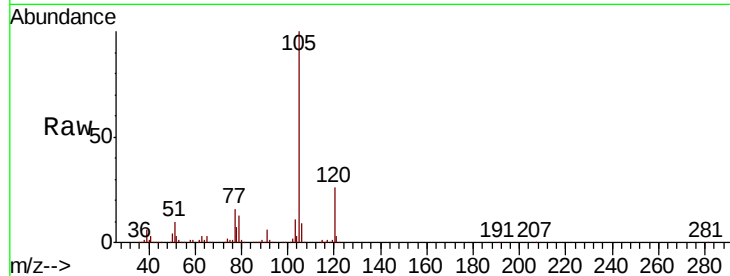
ClientSampled :

Tot Ion: 105 Resp: 682918

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

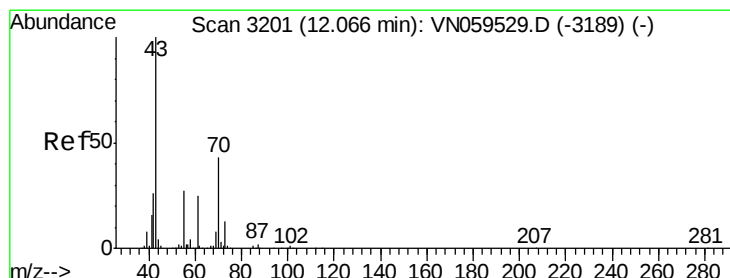
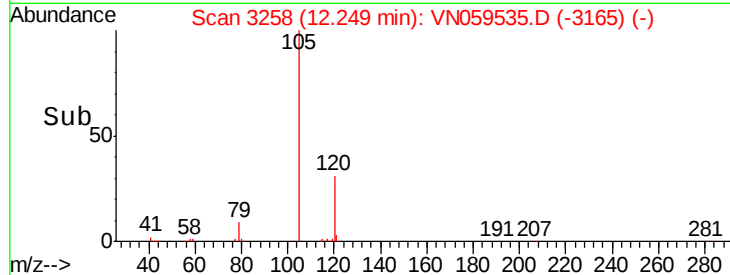
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 48.635 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Tgt Ion: 43 Resp: 312549

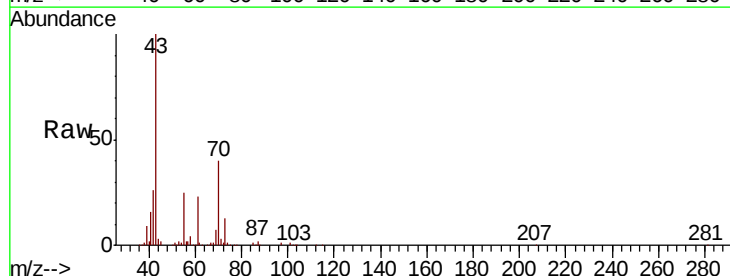
Ion Ratio Lower Upper

43 100

70 39.6 34.2 51.4

55 25.2 21.3 31.9

61 22.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

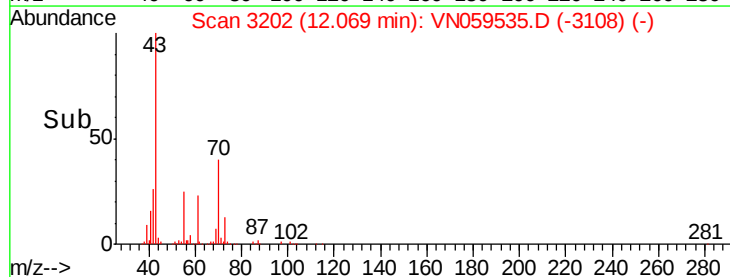
150000

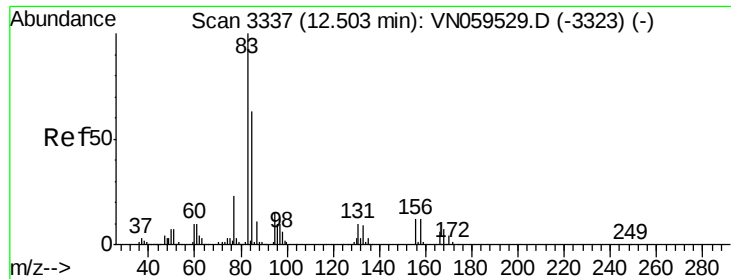
100000

50000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 43.870 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

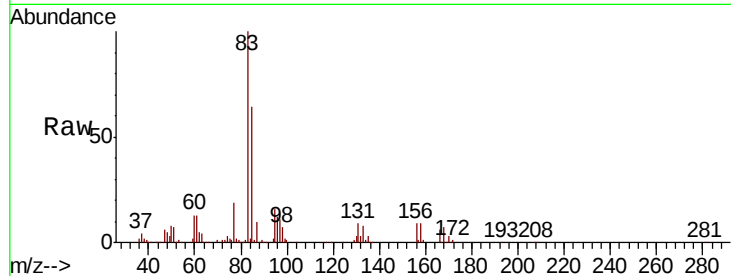
Tot Ion: 83 Resp: 219312

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

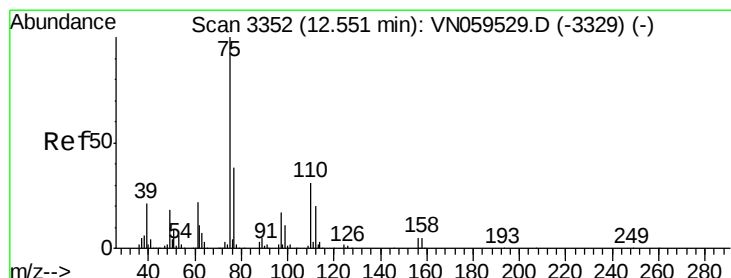
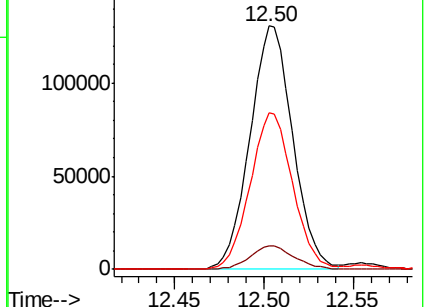
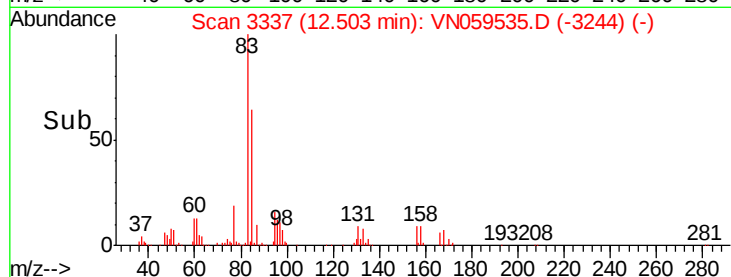
85 63.8 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN059535.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059535.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059535.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 61.317 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059535.D

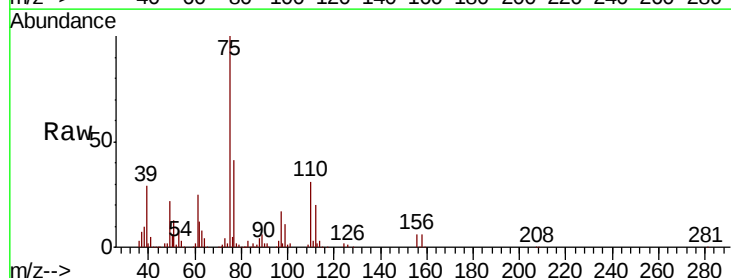
Acq: 9 Dec 2019 18:25

Tgt Ion: 75 Resp: 308401

Ion Ratio Lower Upper

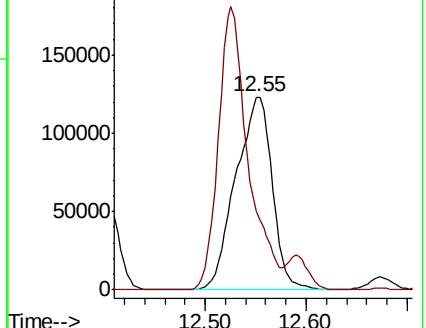
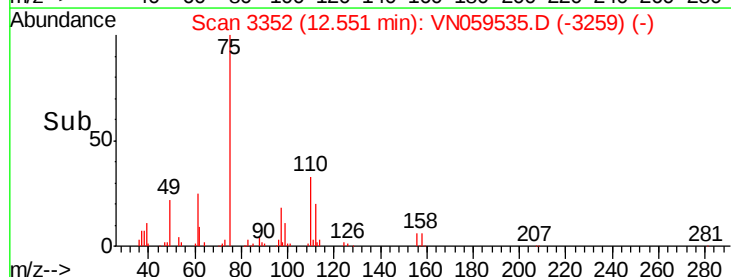
75 100

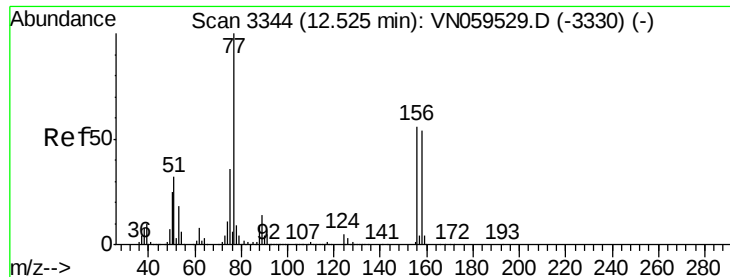
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059535.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059535.D (-3259) (-)





#77

Bromobenzene

Concen: 43.729 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

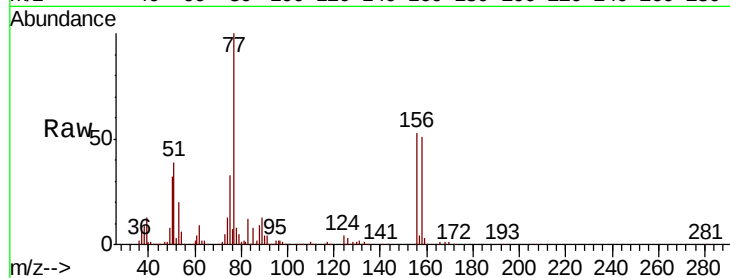
Tot Ion:156 Resp: 160612

Ion Ratio Lower Upper

156 100

77 232.8 109.3 327.8

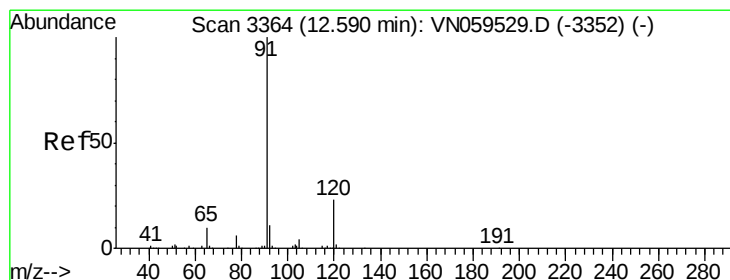
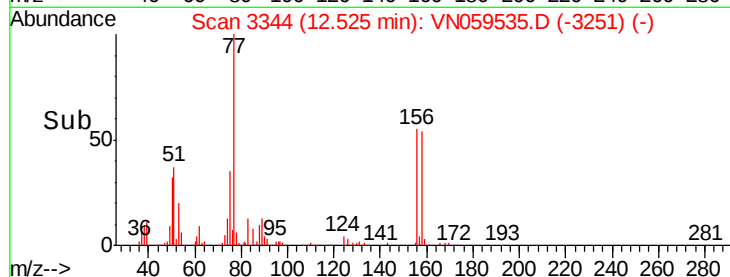
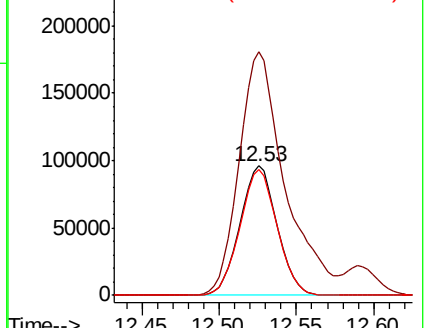
158 97.1 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.352 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059535.D

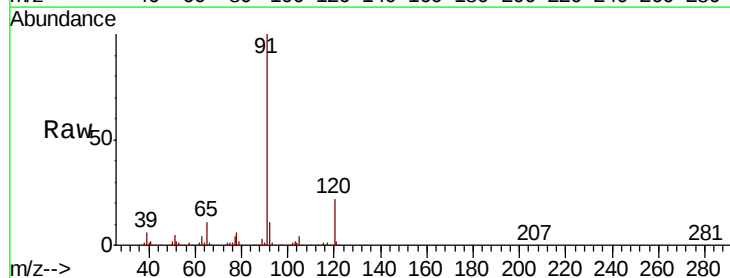
Acq: 9 Dec 2019 18:25

Tgt Ion: 91 Resp: 822198

Ion Ratio Lower Upper

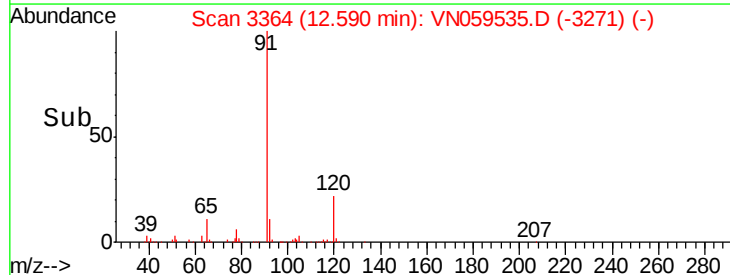
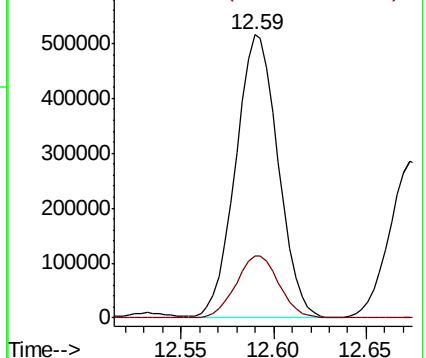
91 100

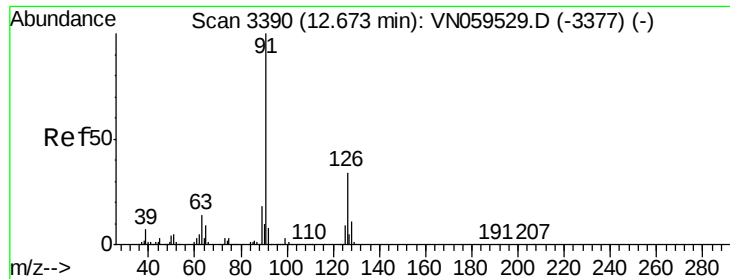
120 22.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.033 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

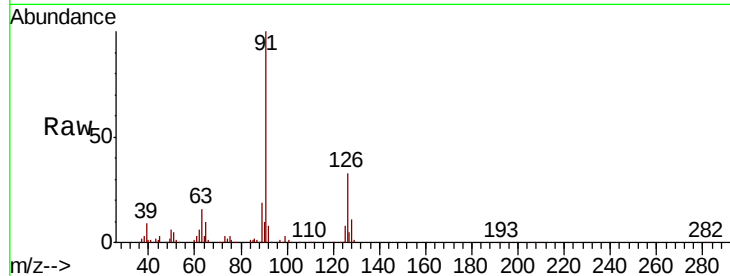
ClientSampleId :

Tot Ion: 91 Resp: 476008

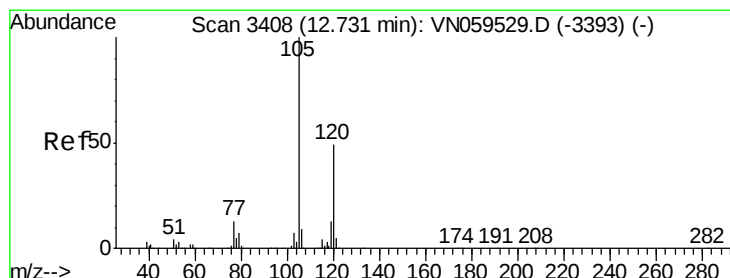
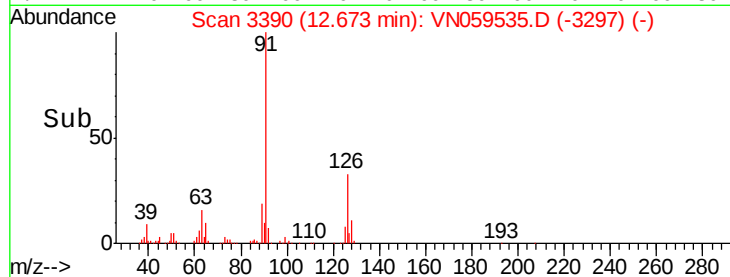
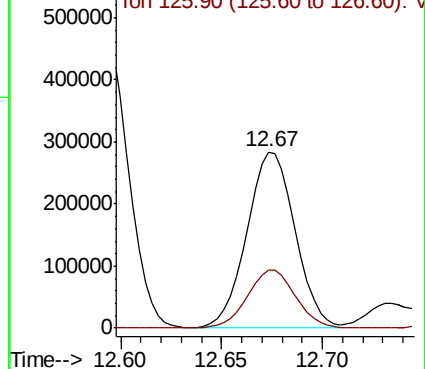
Ion Ratio Lower Upper

91 100

126 32.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.602 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059535.D

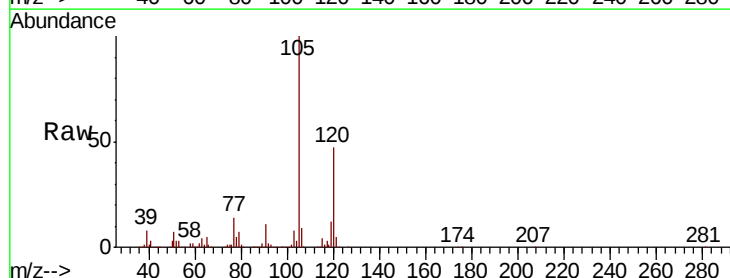
Acq: 9 Dec 2019 18:25

Tgt Ion: 105 Resp: 576921

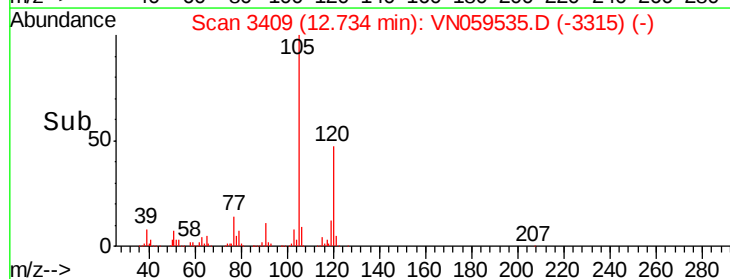
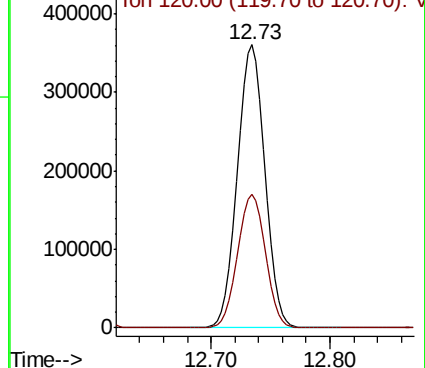
Ion Ratio Lower Upper

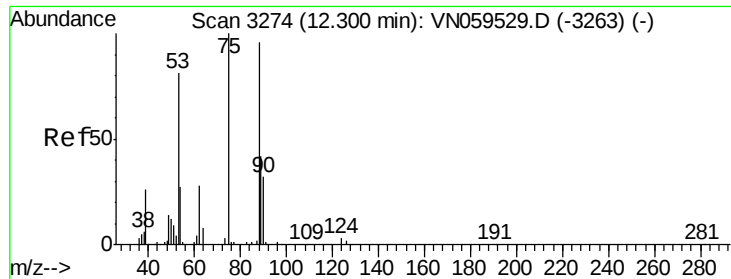
105 100

120 47.8 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.762 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

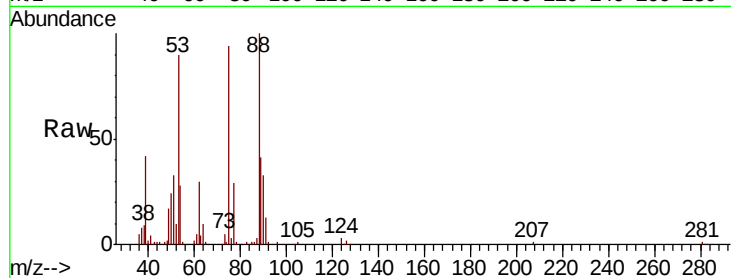
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 85548

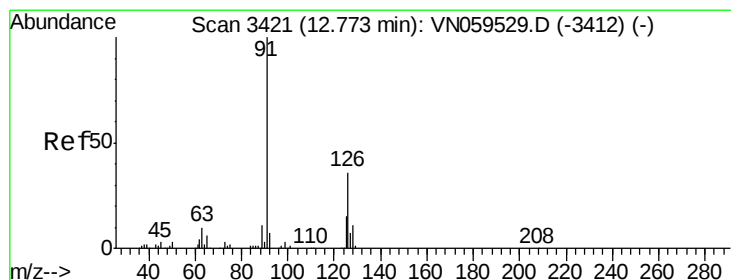
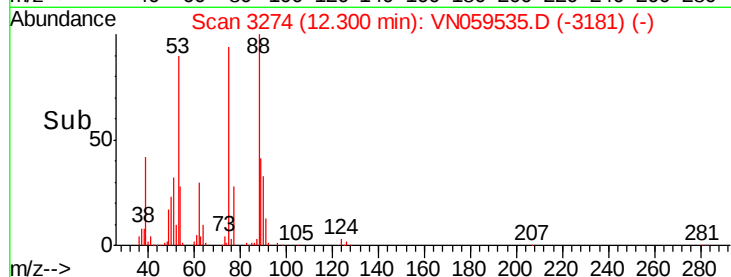
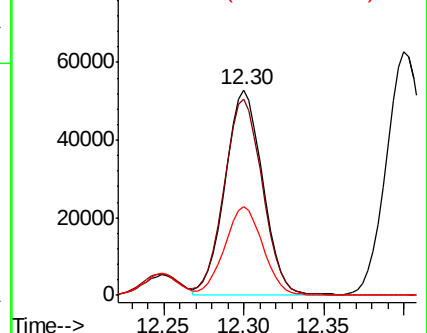
Ion	Ratio	Lower	Upper
75	100		
53	97.5	67.0	100.6
89	43.7	35.5	53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 45.158 ug/l

RT: 12.77 min Scan# 3421

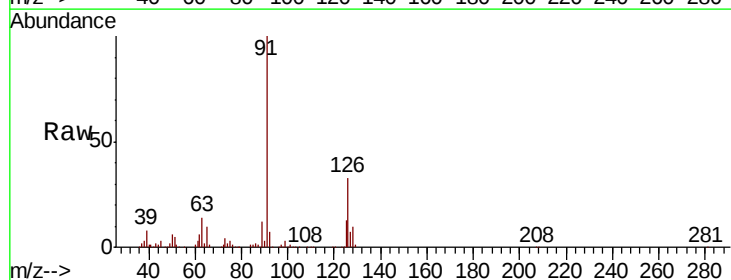
Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

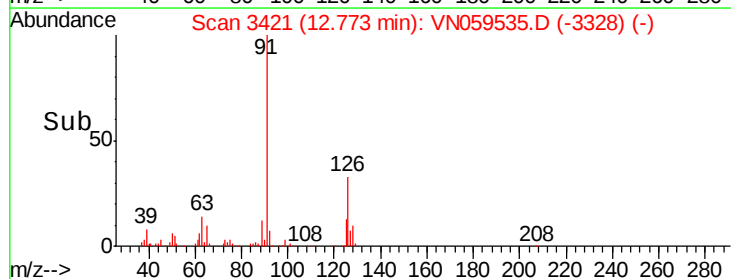
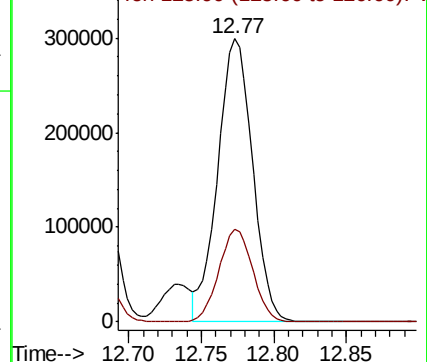
Tgt Ion: 91 Resp: 499164

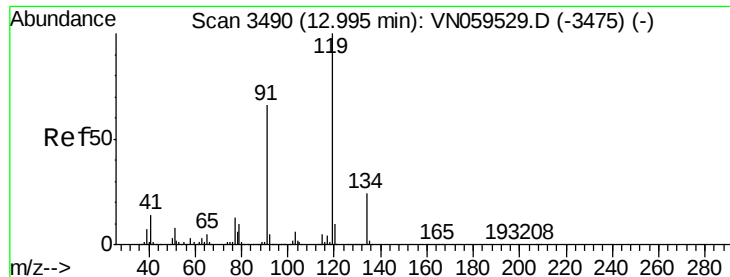
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

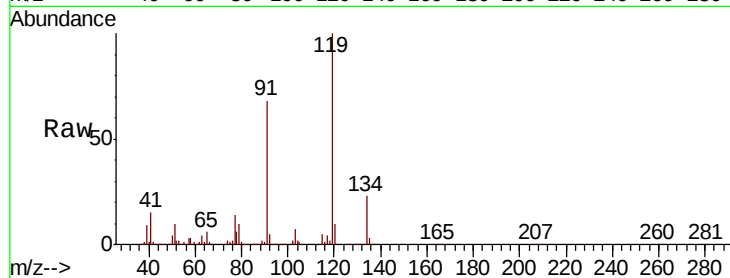




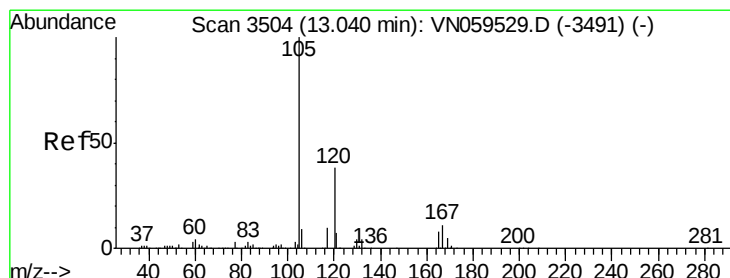
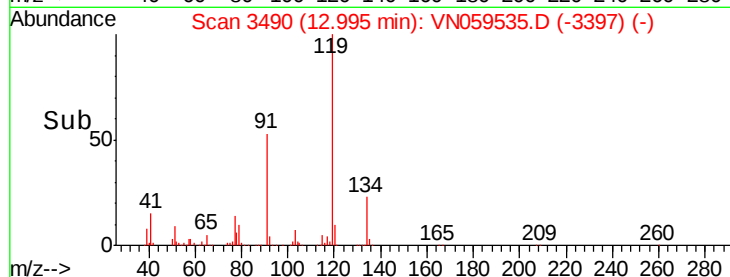
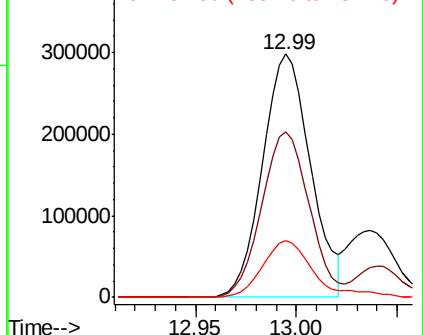
#83
 tert-Butylbenzene
 Concen: 46.807 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 493812
 Ion Ratio Lower Upper
 119 100
 91 67.4 32.8 98.4
 134 24.9 12.8 38.3

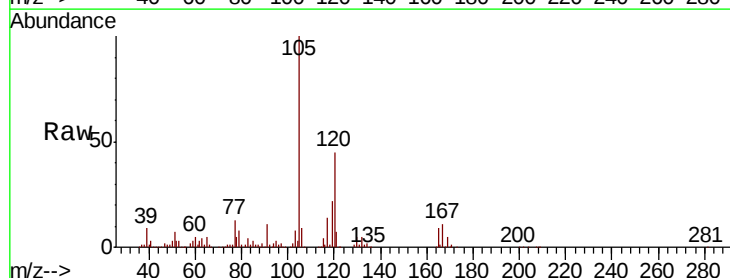


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

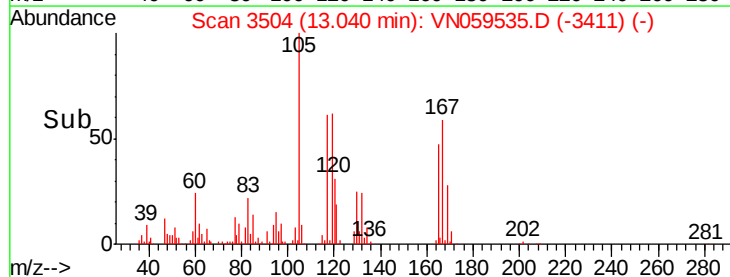
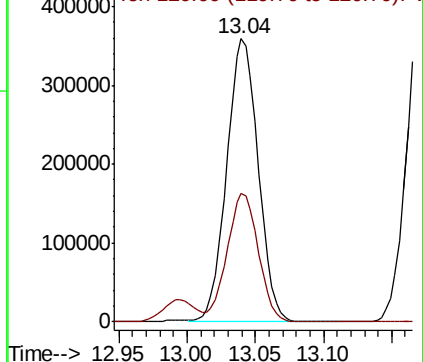


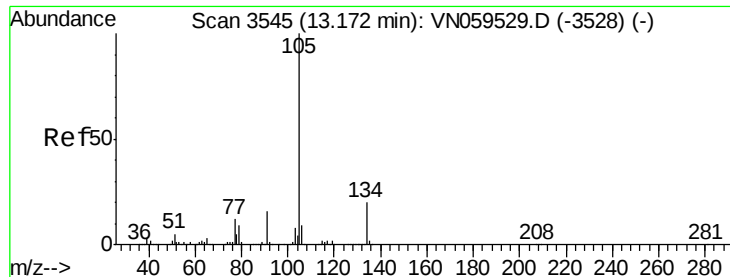
#84
 1,2,4-Trimethylbenzene
 Concen: 45.926 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion:105 Resp: 573702
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.3



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





#85

sec-Butylbenzene

Concen: 46.503 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

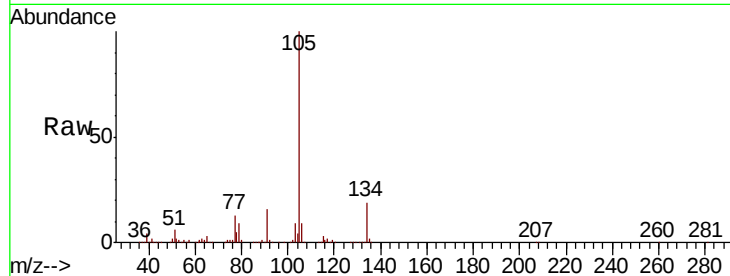
ClientSampled :

Tot Ion:105 Resp: 673855

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

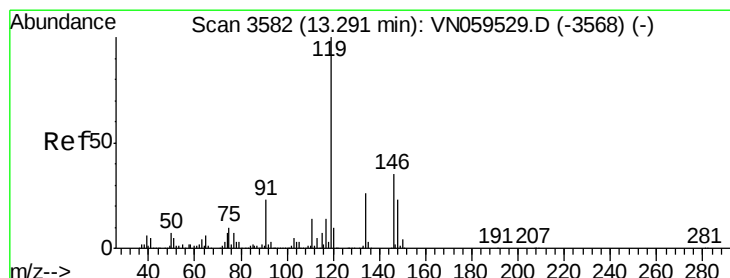
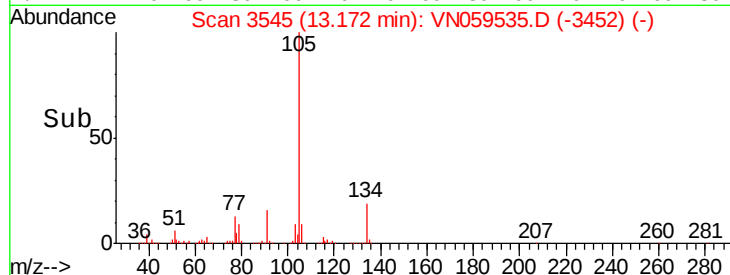
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.842 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

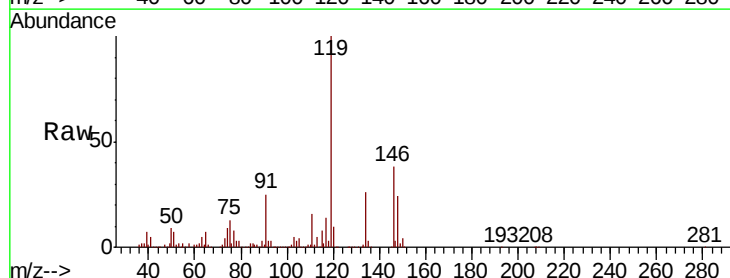
Tgt Ion:119 Resp: 606666

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.9 11.7 35.1



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

13.29

400000

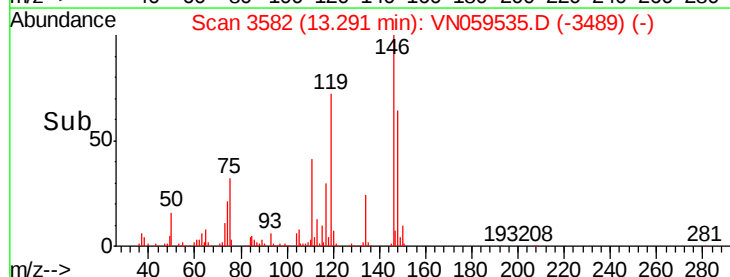
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 43.428 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

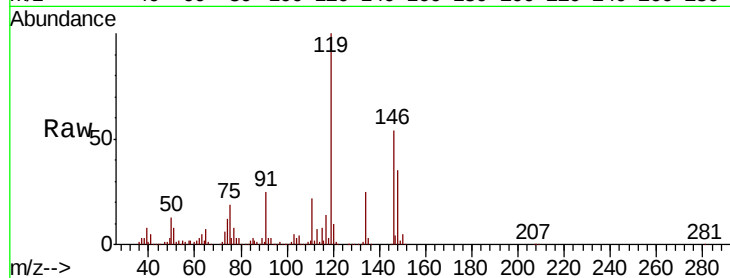
Tot Ion:146 Resp: 293793

Ion Ratio Lower Upper

146 100

111 41.8 20.6 61.8

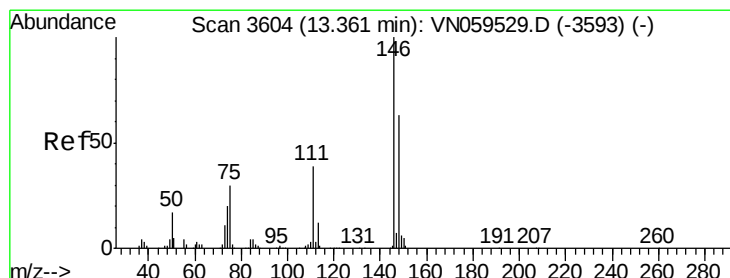
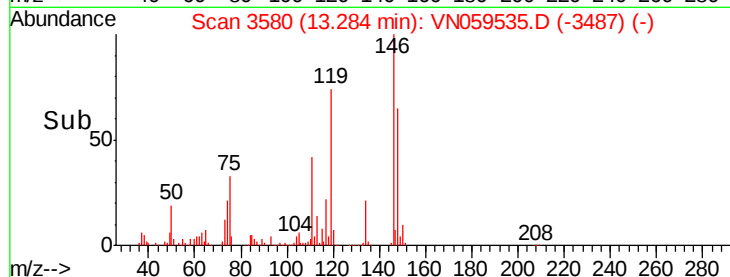
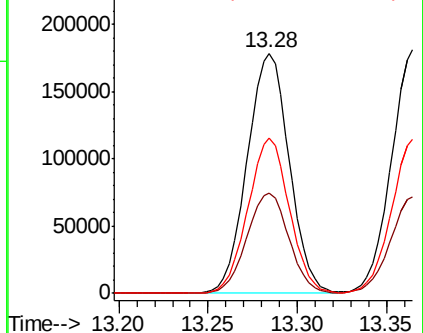
148 63.8 32.0 96.0



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: 44.616 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

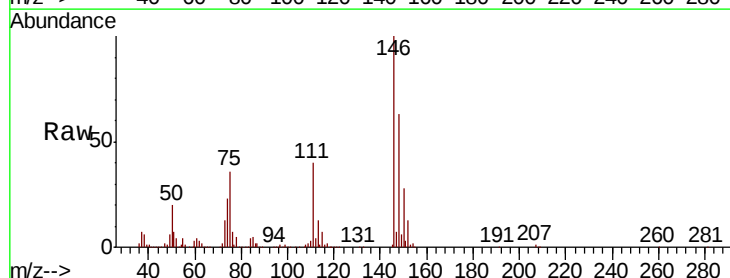
Tgt Ion:146 Resp: 295536

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

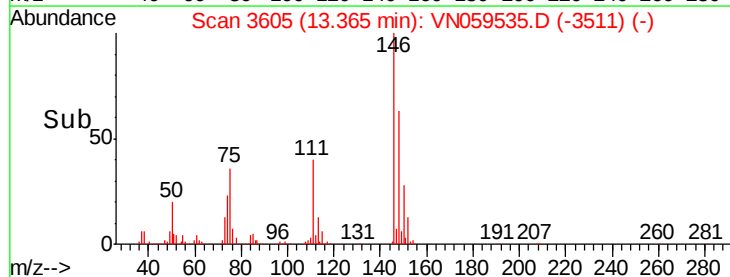
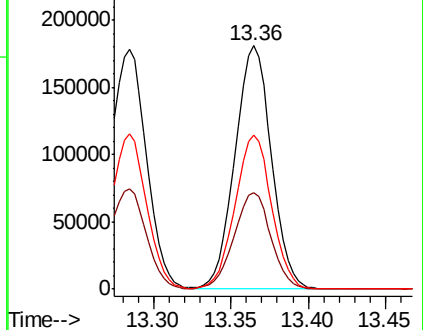
148 63.4 31.9 95.7

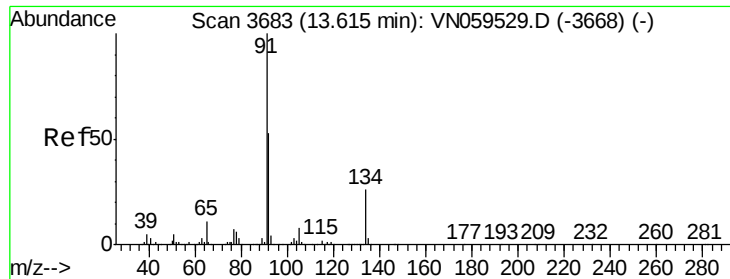


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.596 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059535.D

Acq: 9 Dec 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

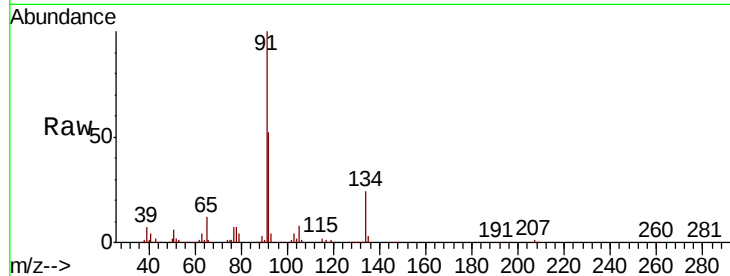
Tot Ion: 91 Resp: 578814

Ion Ratio Lower Upper

91 100

92 51.9 26.3 78.9

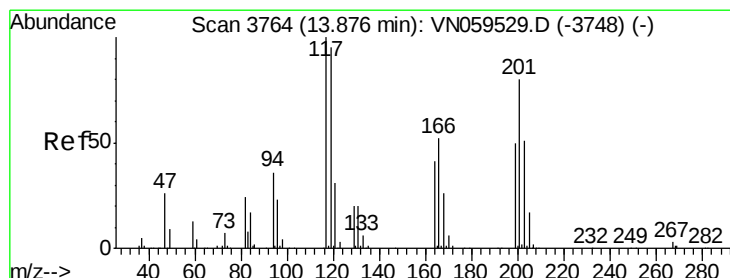
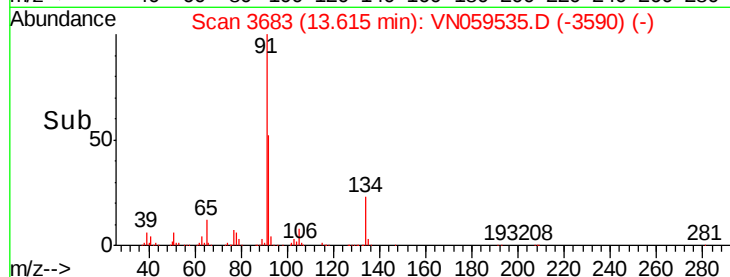
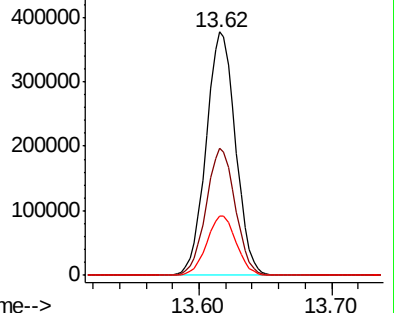
134 24.5 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059529.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059529.D (-3668) (-)



#90

Hexachloroethane

Concen: 48.164 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059535.D

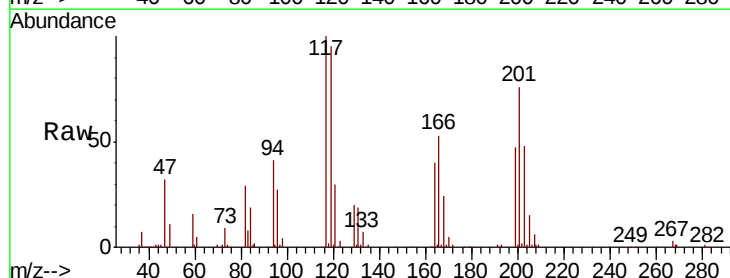
Acq: 9 Dec 2019 18:25

Tgt Ion: 117 Resp: 114560

Ion Ratio Lower Upper

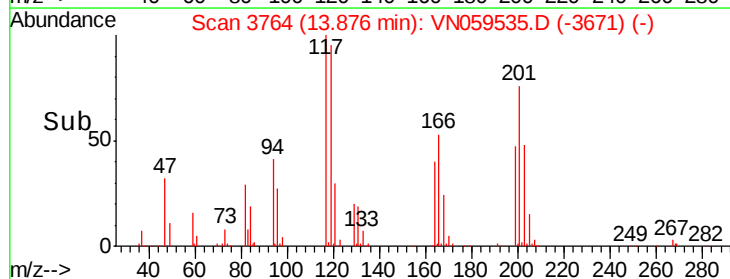
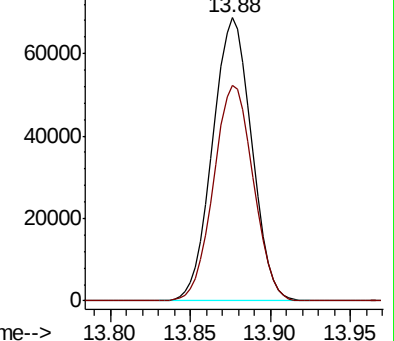
117 100

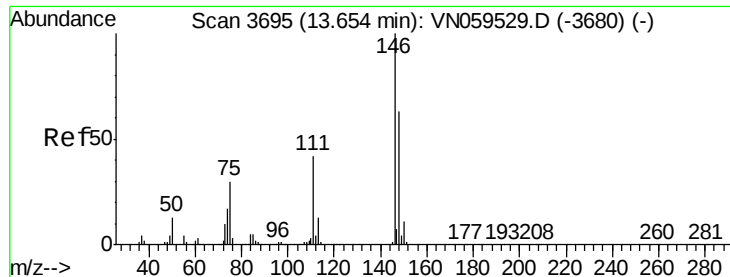
201 77.5 40.5 121.5



Abundance Ion 116.80 (116.50 to 117.50): VN059529.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059529.D (-3748) (-)

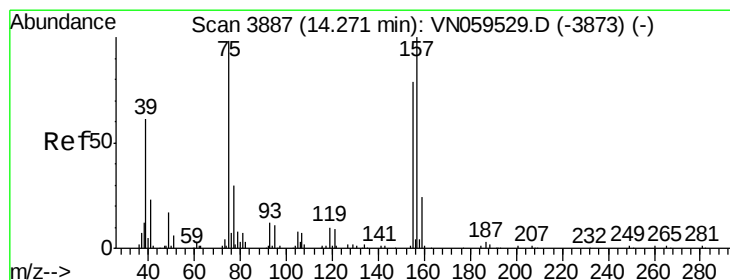
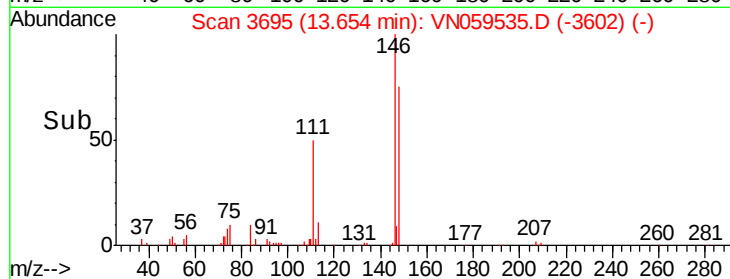
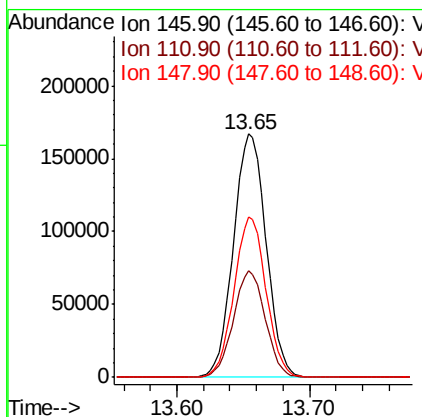
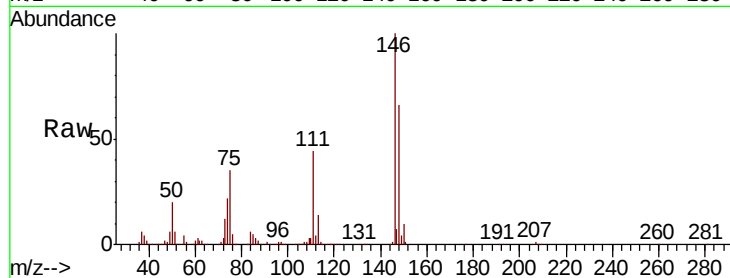




#91
 1,2-Dichlorobenzene
 Concen: 45.013 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

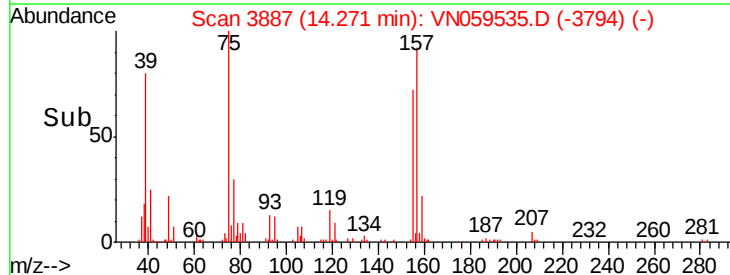
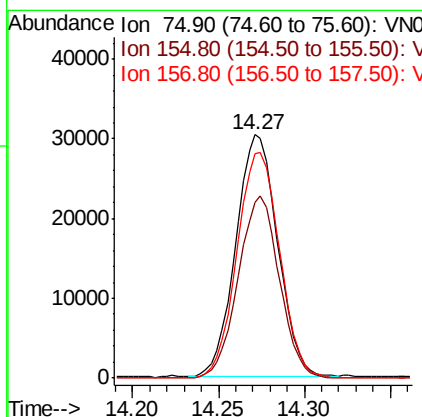
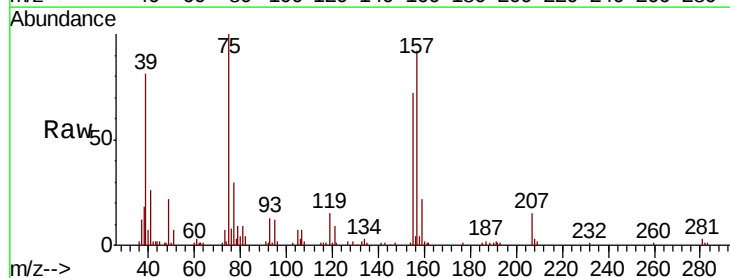
Instrument :
 MSVOA_N
 ClientSampleId :

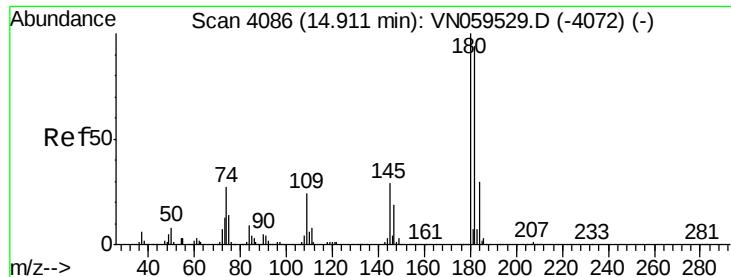
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.9	62.7
148	64.4	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.116 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	40.4	121.1
157	94.7	51.1	153.3

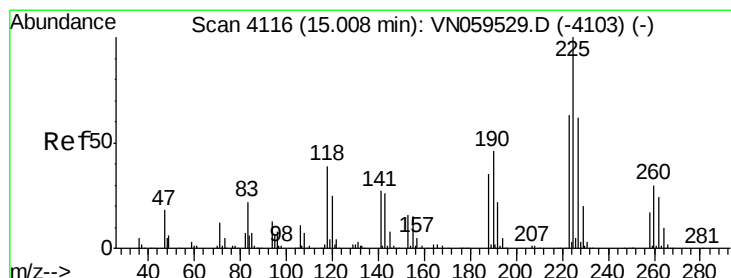
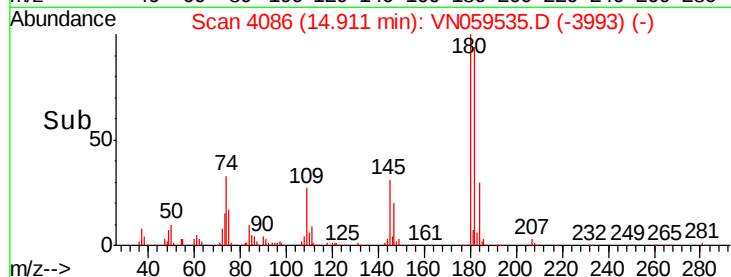
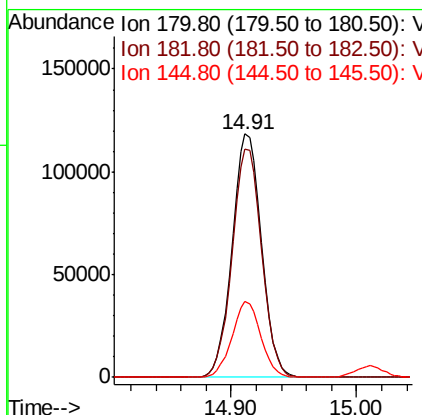
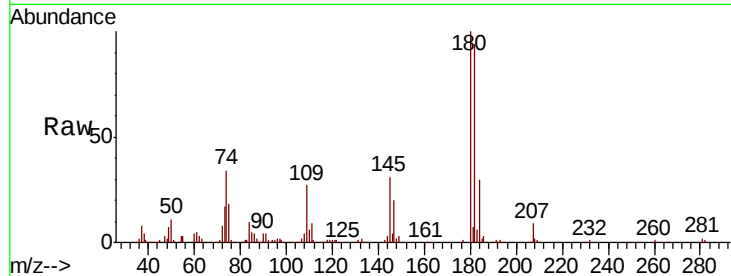




#93
 1,2,4-Trichlorobenzene
 Concen: 43.641 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

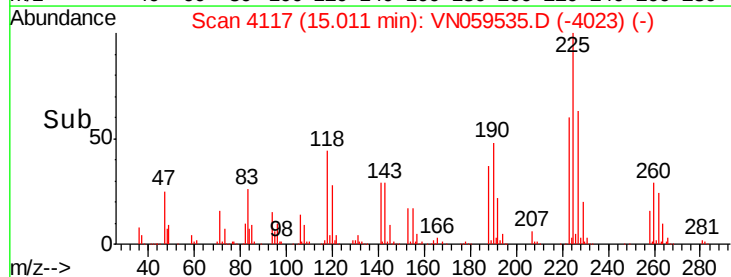
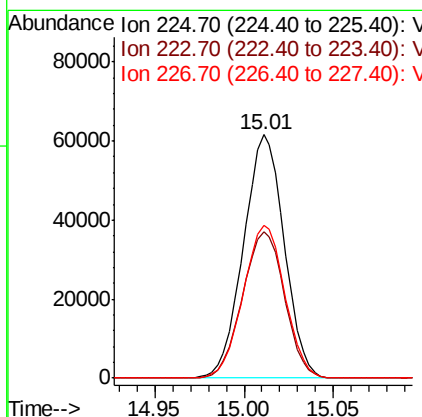
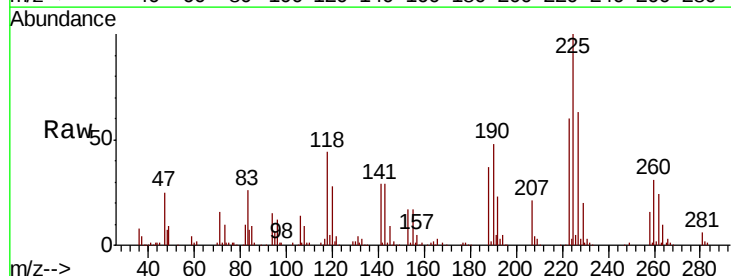
Instrument :
 MSVOA_N
 ClientSampled :

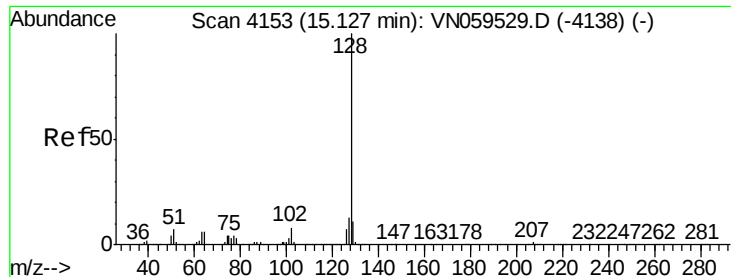
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	30.6	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 43.704 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059535.D
 Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.9
227	64.2	31.6	95.0

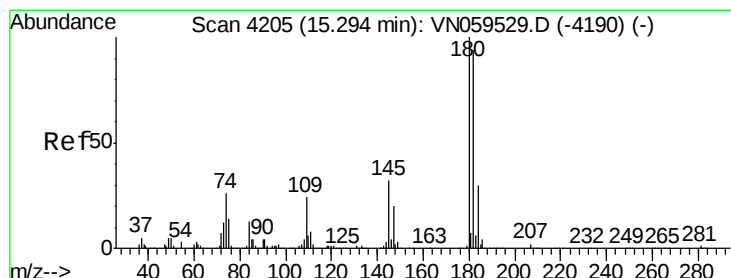
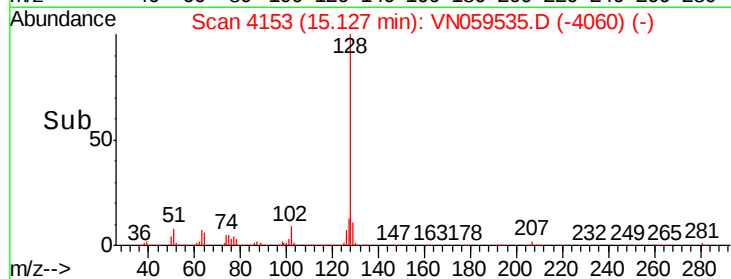
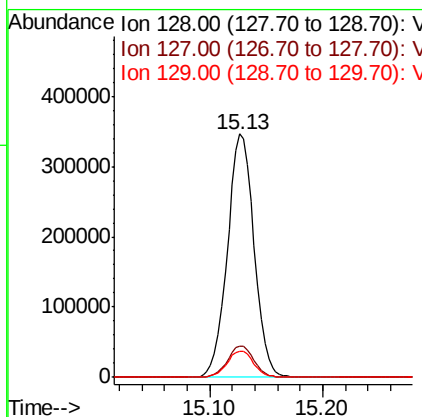
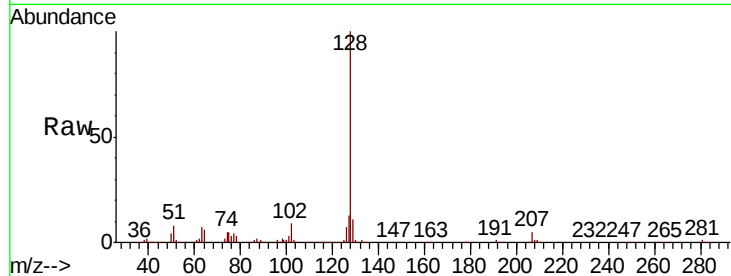




#95
Naphthalene
Concen: 44.127 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 566398
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 44.215 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059535.D
Acq: 9 Dec 2019 18:25

Tgt Ion:180 Resp: 187854
Ion Ratio Lower Upper
180 100
182 93.5 47.1 141.4
145 32.2 15.8 47.4

