

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\
 Data File : VN059679.D
 Acq On : 20 Dec 2019 14:30
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 15:21:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 20 15:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	230905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	333094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	137385	42.30	ug/l	0.00
Spiked Amount			Recovery	=	84.60%	
35) Dibromofluoromethane	7.57	113	99184	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
50) Toluene-d8	10.08	98	420736	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.40	95	142573	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	103093	35.997	ug/l	100
3) Chloromethane	2.04	50	155712	34.605	ug/l	100
4) Vinyl Chloride	2.17	62	114484	27.507	ug/l	100
5) Bromomethane	2.53	94	81757	33.525	ug/l	100
6) Chloroethane	2.68	64	79368	33.200	ug/l	100
7) Trichlorofluoromethane	2.99	101	96446	21.803	ug/l	100
8) Diethyl Ether	3.38	74	45220	31.423	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	87382	36.686	ug/l	100
10) Methyl Iodide	3.92	142	120907	38.792	ug/l	100
11) Tert butyl alcohol	4.75	59	96845	167.222	ug/l	100
12) 1,1-Dichloroethene	3.71	96	88534	37.954	ug/l	100
13) Acrolein	3.58	56	52996	135.600	ug/l	100
14) Allyl chloride	4.29	41	174180	36.414	ug/l	100
15) Acrylonitrile	4.95	53	273825	191.670	ug/l	100
16) Acetone	3.79	43	251893	136.659	ug/l	100
17) Carbon Disulfide	4.02	76	287309	35.598	ug/l	100
18) Methyl Acetate	4.29	43	168189	41.091	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	299162	36.663	ug/l	100
20) Methylene Chloride	4.52	84	133813	46.520	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	95786	36.934	ug/l	100
22) Diisopropyl ether	5.92	45	336876	38.356	ug/l	100
23) Vinyl Acetate	5.86	43	1324928	194.062	ug/l	100
24) 1,1-Dichloroethane	5.82	63	201992	40.204	ug/l	100
25) 2-Butanone	6.81	43	346193	155.408	ug/l	100
26) 2,2-Dichloropropane	6.80	77	145205	32.727	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	93403	33.201	ug/l	100
28) Bromochloromethane	7.17	49	88630	51.480	ug/l	100
29) Tetrahydrofuran	7.18	42	255030	183.526	ug/l	100
30) Chloroform	7.35	83	169761	35.021	ug/l	100
31) Cyclohexane	7.63	56	178004	37.835	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	146276	33.588	ug/l	100
36) 1,1-Dichloropropene	7.77	75	145033	40.941	ug/l	100
37) Ethyl Acetate	6.90	43	159022	38.769	ug/l	100
38) Carbon Tetrachloride	7.75	117	134257	36.968	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162886	40.752	ug/l	100
40) Benzene	8.02	78	440568	42.356	ug/l	100
41) Methacrylonitrile	7.18	41	216330	129.312	ug/l #	39
42) 1,2-Dichloroethane	8.10	62	139465	35.945	ug/l	100
43) Isopropyl Acetate	8.14	43	228936	36.496	ug/l	100
44) Trichloroethene	8.82	130	106558	39.379	ug/l	100
45) 1,2-Dichloropropane	9.10	63	119524	42.458	ug/l	100
46) Dibromomethane	9.19	93	70322	38.669	ug/l	100
47) Bromodichloromethane	9.39	83	125736	35.275	ug/l	100
48) Methyl methacrylate	9.18	41	111157	38.715	ug/l	100
49) 1,4-Dioxane	9.18	88	32609	801.330	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	738097	197.068	ug/l	100
52) Toluene	10.14	92	263431	41.309	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	139909	34.142	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	183461	41.434	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	102005	40.941	ug/l	100
56) Ethyl methacrylate	10.42	69	126348	35.353	ug/l	100
57) 1,3-Dichloropropane	10.70	76	182064	41.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	83084	81.588	ug/l	100
59) 2-Hexanone	10.74	43	586438	198.938	ug/l	100
60) Dibromochloromethane	10.89	129	108966	40.289	ug/l	100
61) 1,2-Dibromoethane	11.00	107	104190	39.549	ug/l	100
64) Tetrachloroethene	10.62	164	109379	36.476	ug/l	100
65) Chlorobenzene	11.43	112	270523	38.883	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	98874	37.641	ug/l	100
67) Ethyl Benzene	11.50	91	481777	38.598	ug/l	100
68) m/p-Xylenes	11.62	106	348027	75.687	ug/l	100
69) o-Xylene	11.94	106	165853	37.950	ug/l	100
70) Styrene	11.96	104	266499	38.149	ug/l	100
71) Bromoform	12.12	173	74396	38.026	ug/l #	100
73) Isopropylbenzene	12.25	105	445880	36.590	ug/l	100
74) N-amyl acetate	12.07	43	187556	34.150	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	145058	37.400	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	206814	54.069	ug/l #	100
77) Bromobenzene	12.52	156	114977	37.912	ug/l	100
78) n-propylbenzene	12.59	91	518975	36.147	ug/l	100
79) 2-Chlorotoluene	12.67	91	312745	35.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	396570	38.231	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54838	35.673	ug/l	100
82) 4-Chlorotoluene	12.77	91	319443	35.845	ug/l	100
83) tert-Butylbenzene	12.99	119	332326	37.753	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	369449	36.174	ug/l	100
85) sec-Butylbenzene	13.17	105	417495	36.071	ug/l	100
86) p-Isopropyltoluene	13.28	119	380189	36.269	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	190569	34.598	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	202338	36.099	ug/l	100
89) n-Butylbenzene	13.61	91	342045	34.900	ug/l	100
90) Hexachloroethane	13.87	117	72047	36.304	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	192222	35.273	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33929	29.601	ug/l	100

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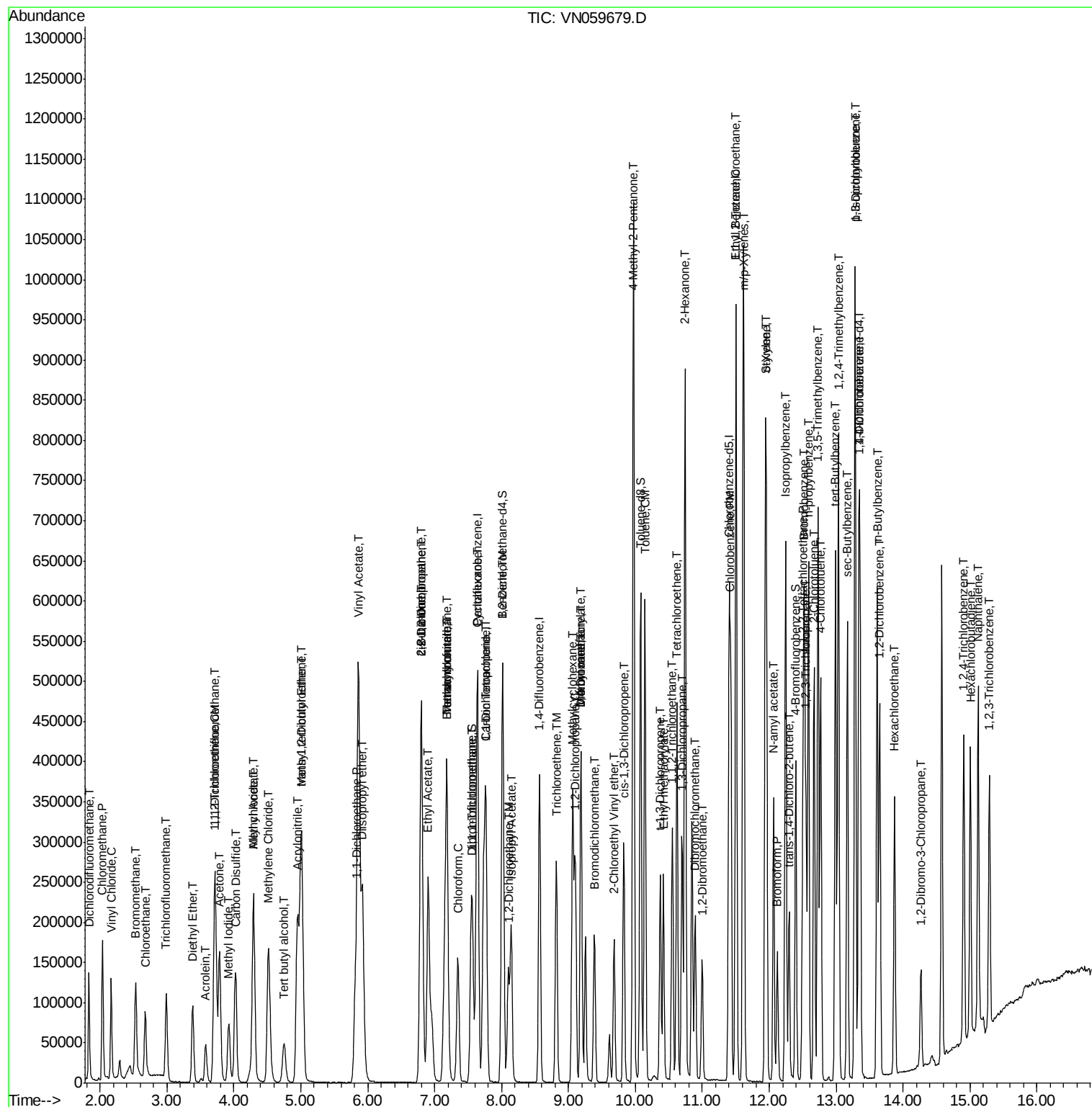
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120000	34.037	ug/l	100
94) Hexachlorobutadiene	15.00	225	66422	34.676	ug/l	100
95) Naphthalene	15.12	128	339954	32.453	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	95480	27.219	ug/l	100

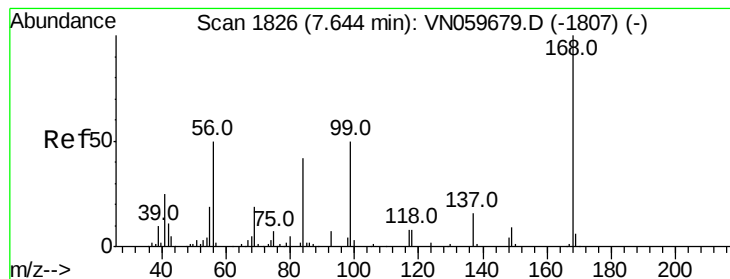
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059679.D

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Instrument :

MSVOA_X

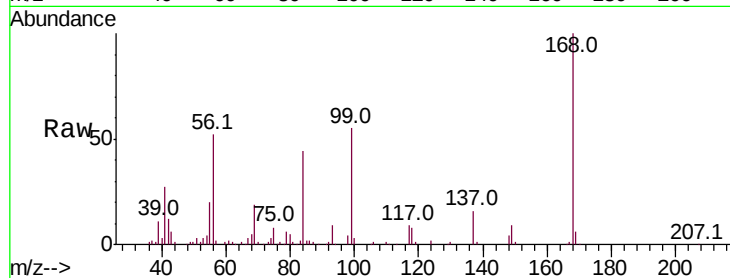
ClientSampleId :

Tot Ion:168 Resp: 230905

Ion Ratio Lower Upper

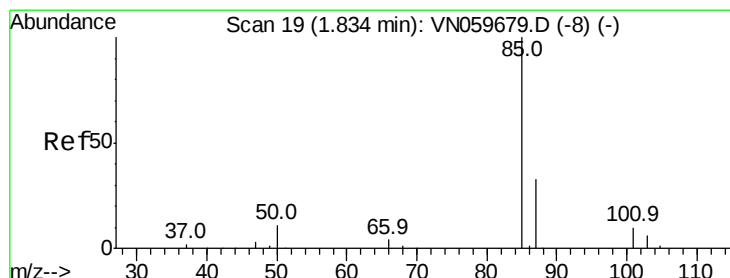
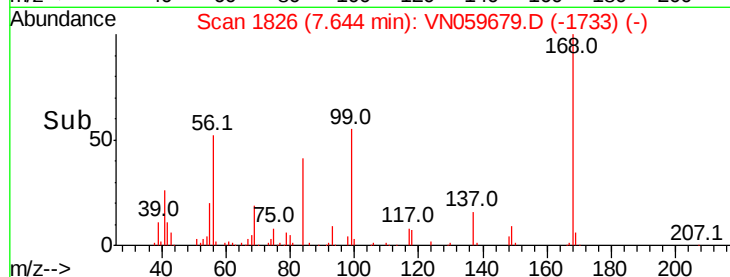
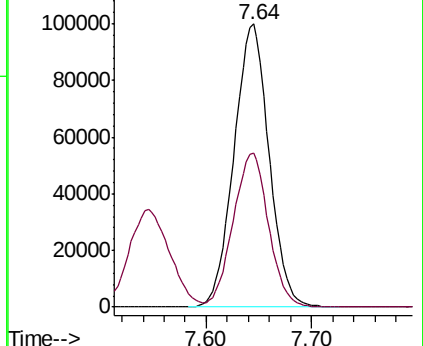
168 100

99 54.4 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 35.997 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059679.D

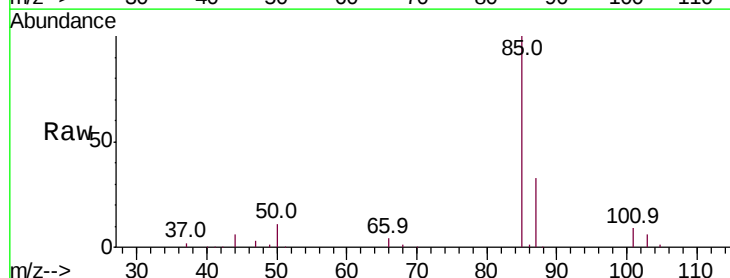
Acq: 20 Dec 2019 14:30

Tgt Ion: 85 Resp: 103093

Ion Ratio Lower Upper

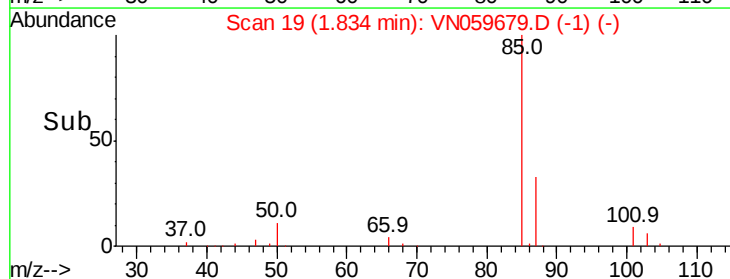
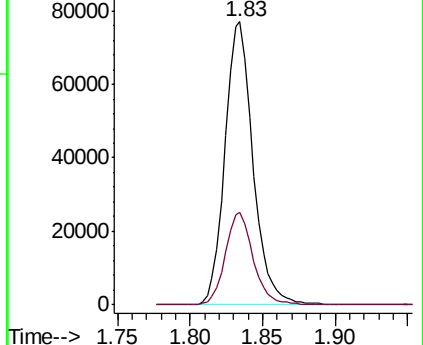
85 100

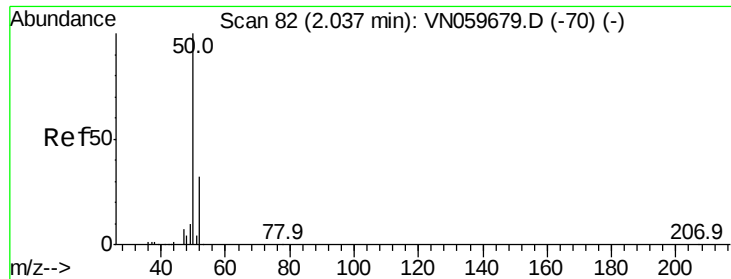
87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 34.605 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

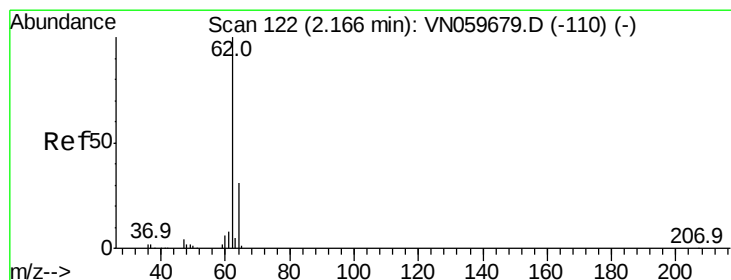
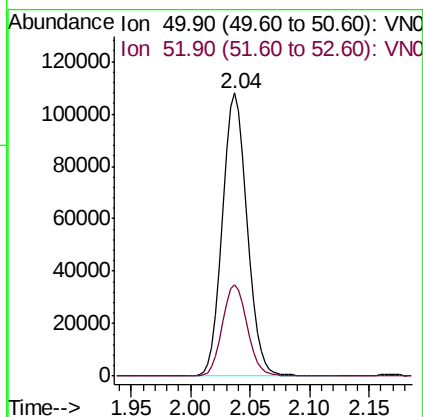
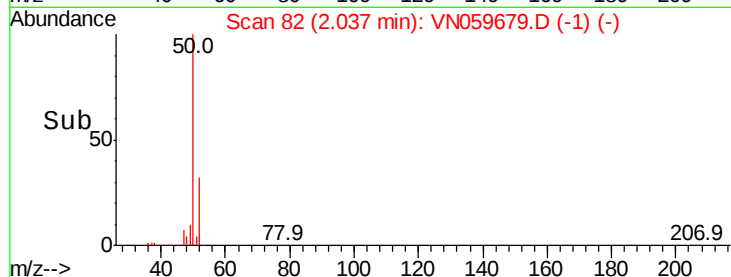
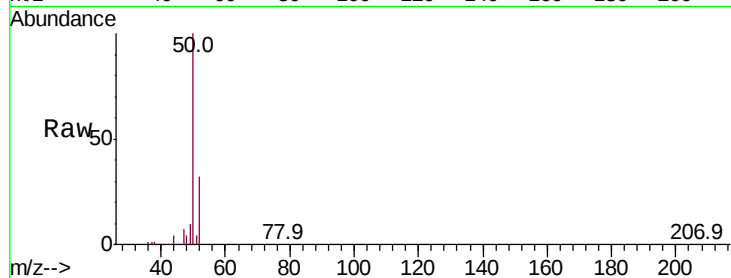
ClientSampleId :

Tot Ion: 50 Resp: 155712

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



#4

Vinyl Chloride

Concen: 27.507 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059679.D

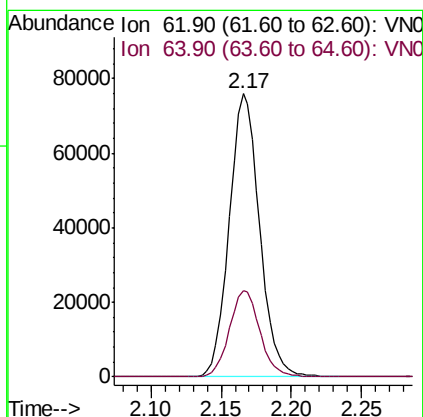
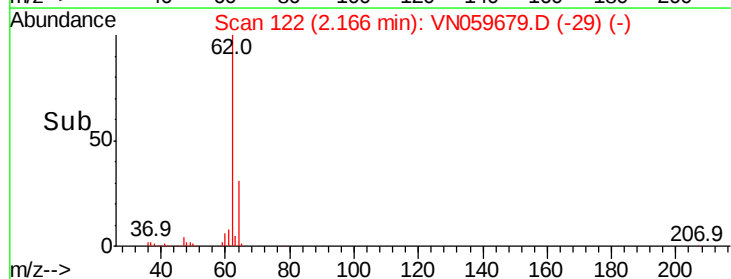
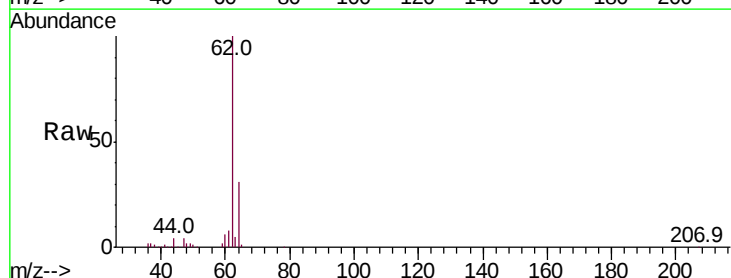
Acq: 20 Dec 2019 14:30

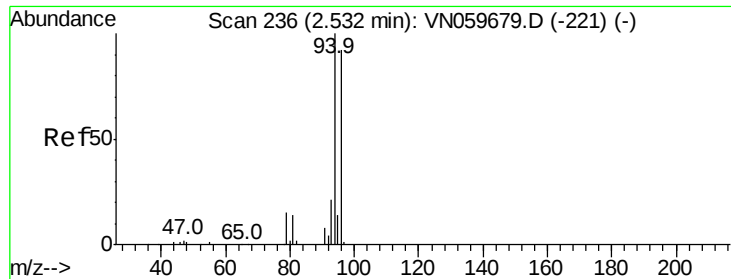
Tgt Ion: 62 Resp: 114484

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7





#5

Bromomethane

Concen: 33.525 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

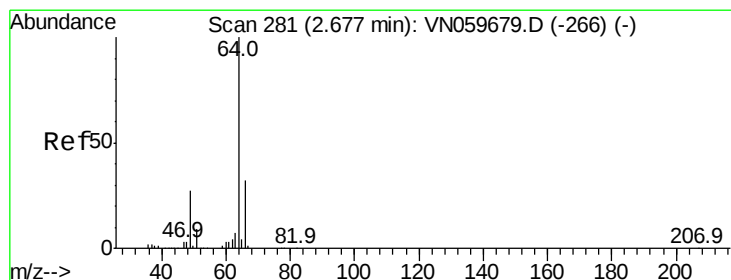
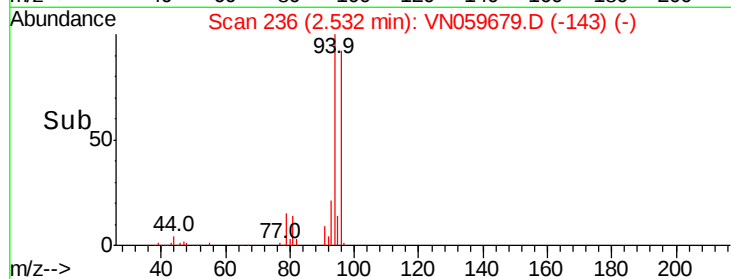
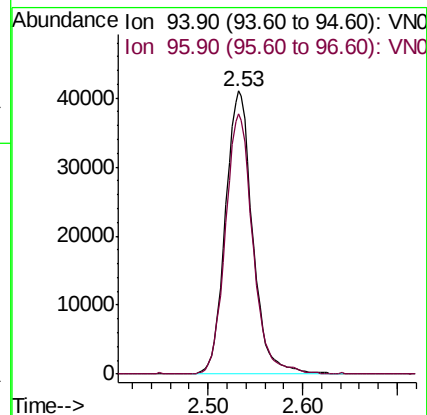
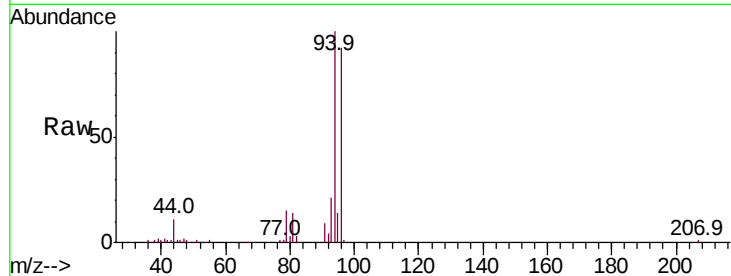
ClientSampleId :

Tot Ion: 94 Resp: 81757

Ion Ratio Lower Upper

94 100

96 92.2 73.8 110.6



#6

Chloroethane

Concen: 33.200 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059679.D

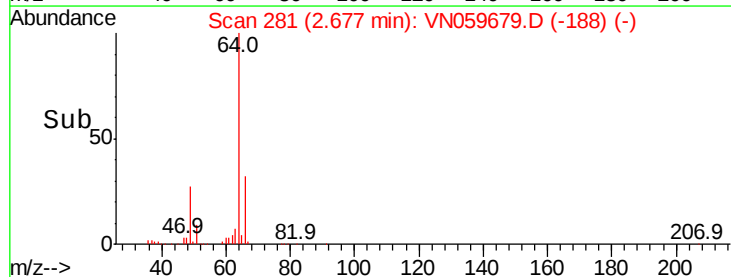
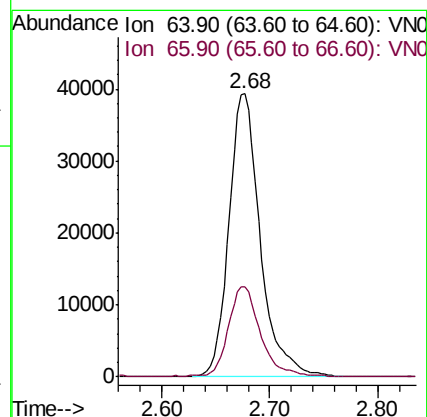
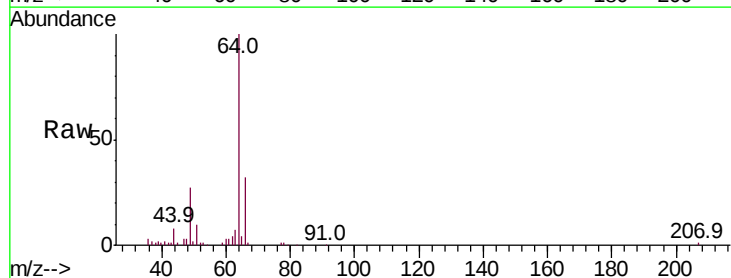
Acq: 20 Dec 2019 14:30

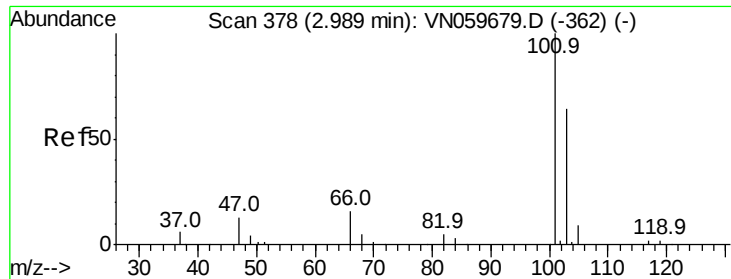
Tgt Ion: 64 Resp: 79368

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2



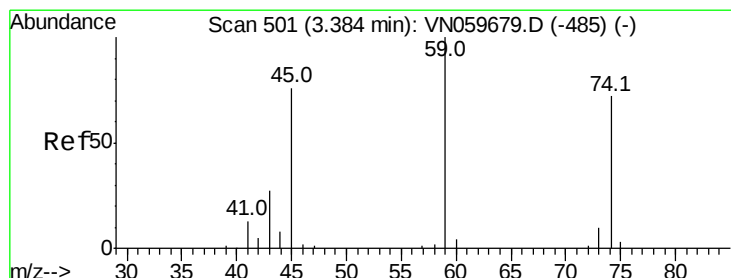
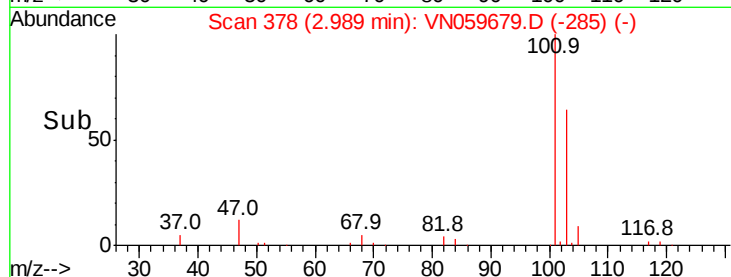
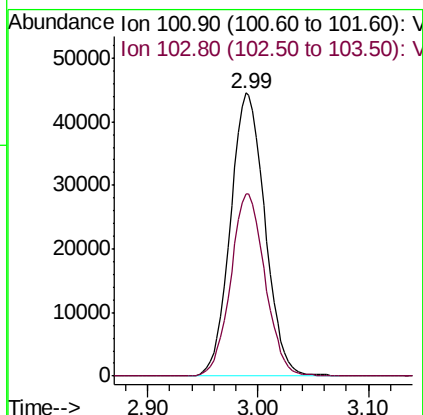
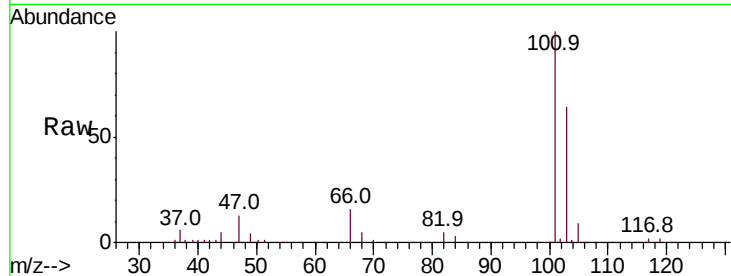


#7

Trichlorofluoromethane
 Concen: 21.803 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :

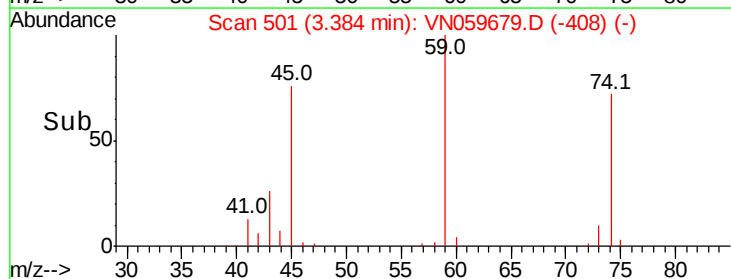
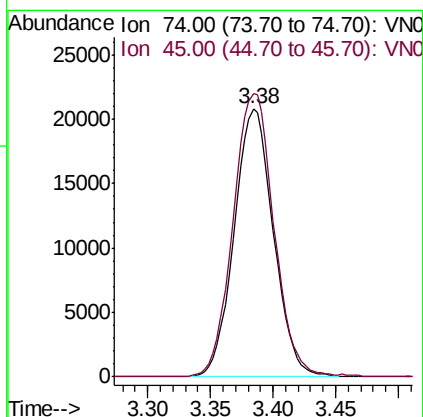
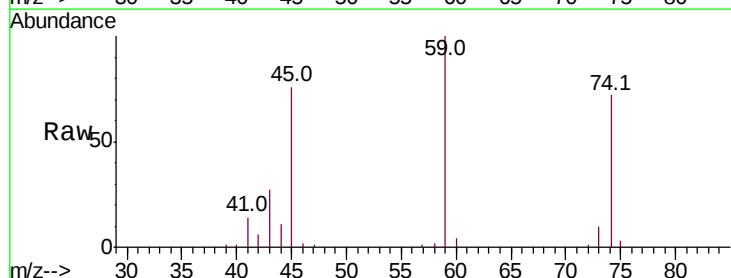
Tot Ion:101 Resp: 96446
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

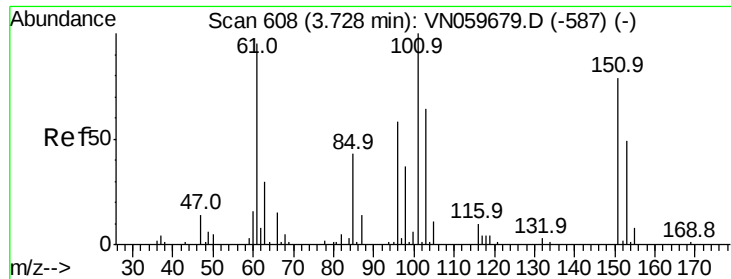


#8

Diethyl Ether
 Concen: 31.423 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Tgt Ion: 74 Resp: 45220
 Ion Ratio Lower Upper
 74 100
 45 110.3 55.1 165.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.686 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

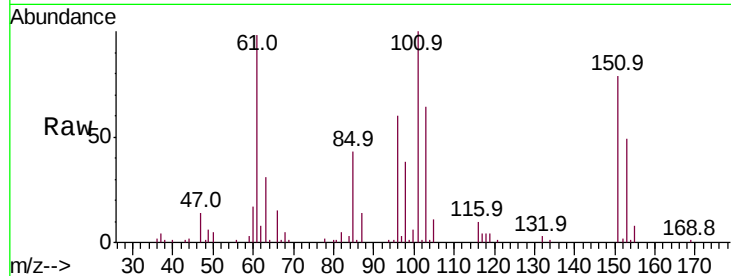
Tot Ion:101 Resp: 87382

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

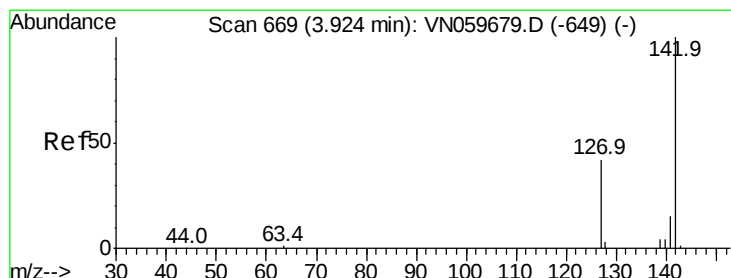
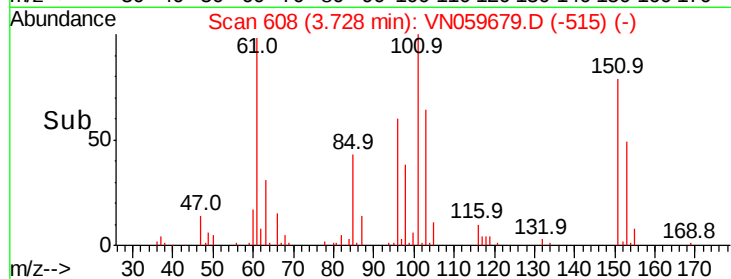
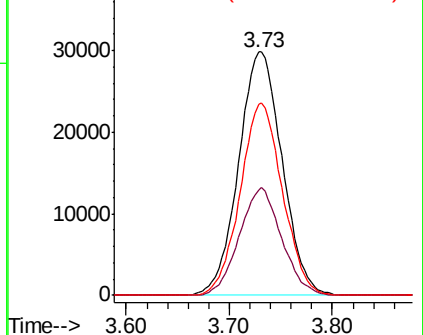
151 76.9 61.5 92.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.792 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

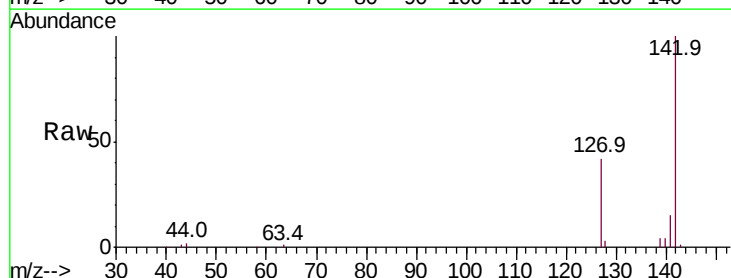
Tgt Ion:142 Resp: 120907

Ion Ratio Lower Upper

142 100

127 41.6 33.3 49.9

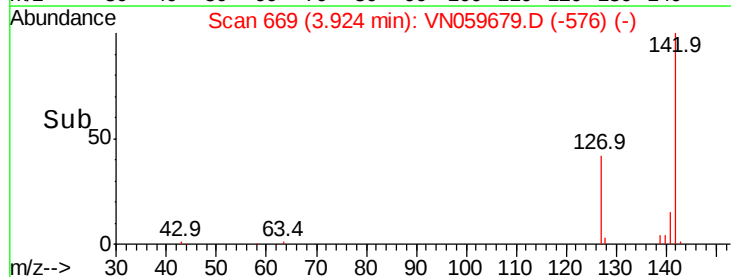
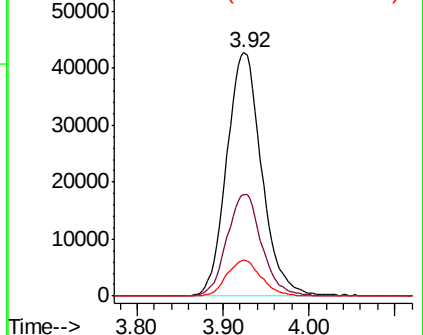
141 14.5 11.6 17.4

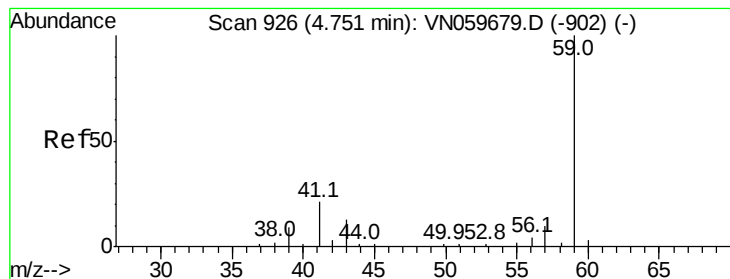


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



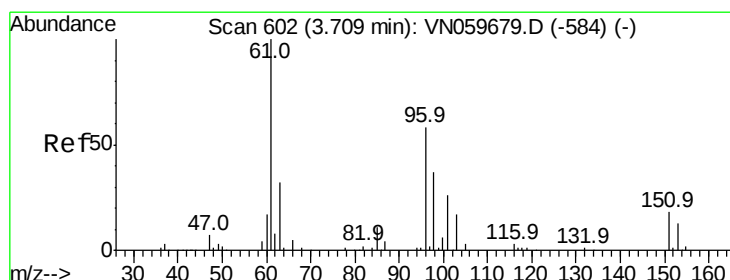
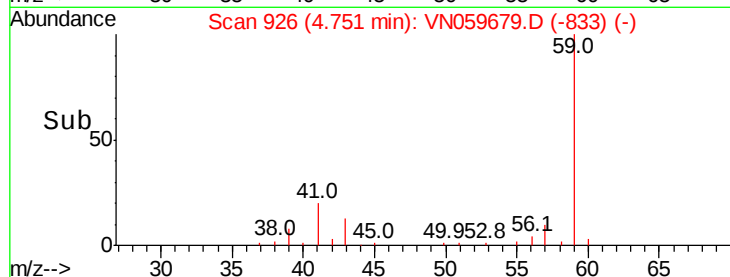
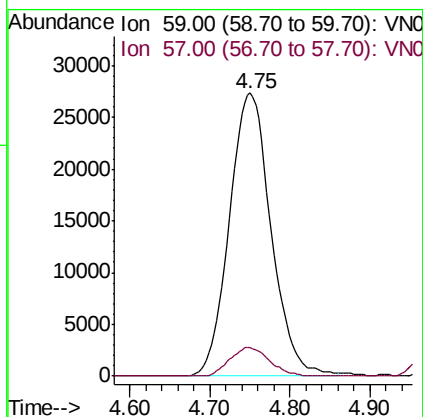
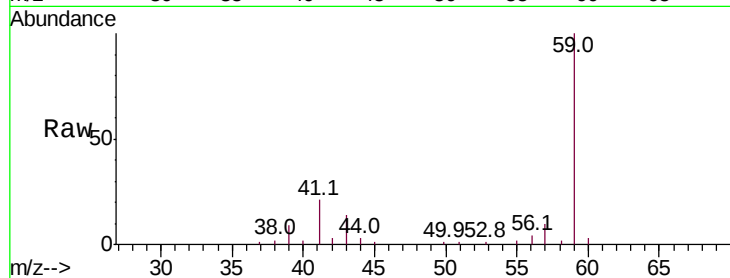


#11

Tert butyl alcohol
 Concen: 167.222 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :

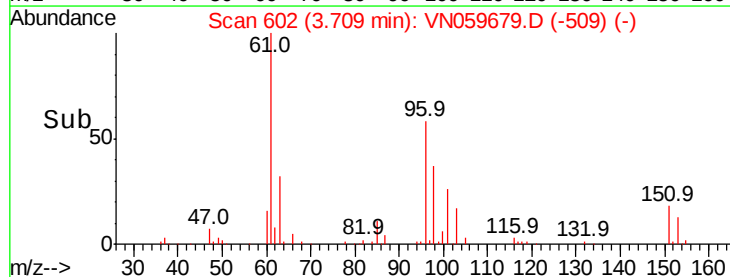
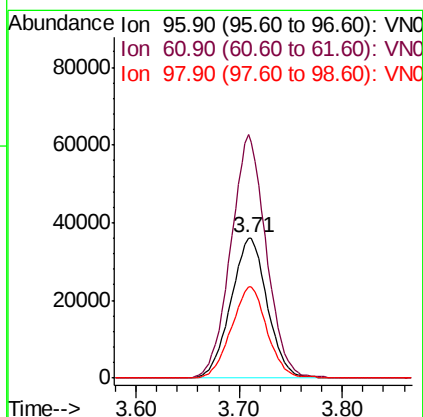
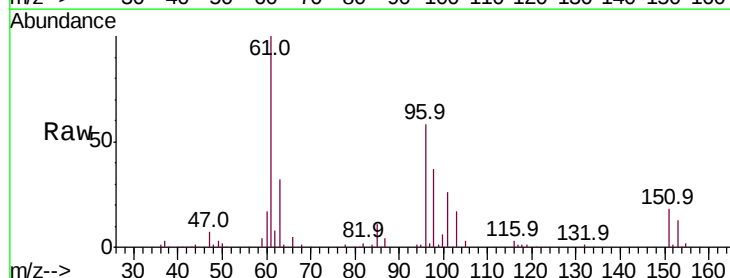
Tot Ion: 59 Resp: 96845
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.6 11.4

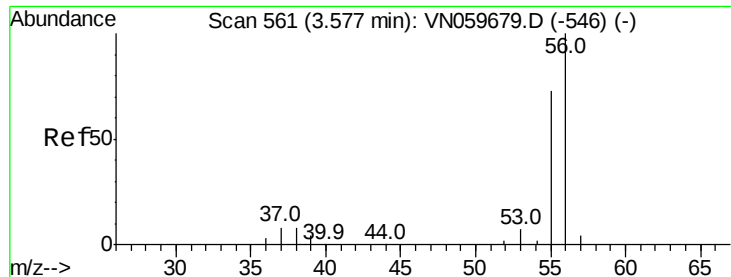


#12

1,1-Dichloroethene
 Concen: 37.954 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Tgt Ion: 96 Resp: 88534
 Ion Ratio Lower Upper
 96 100
 61 173.6 138.9 208.3
 98 64.7 51.8 77.6





#13

Acrolein

Concen: 135.600 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

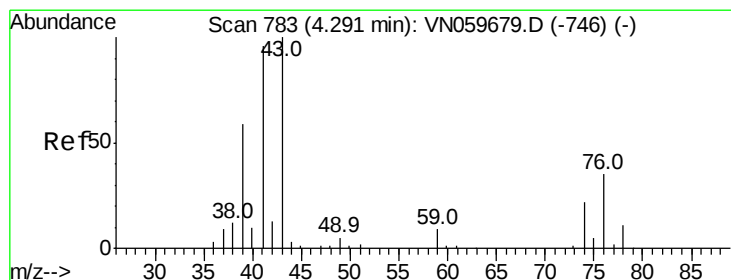
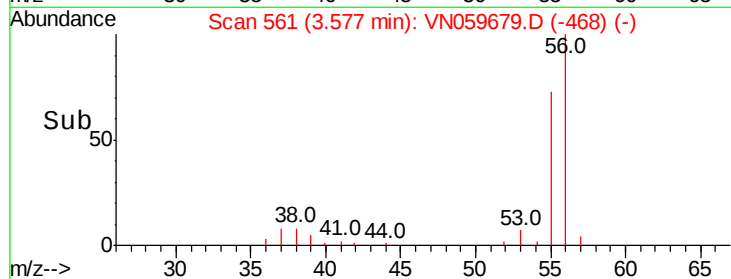
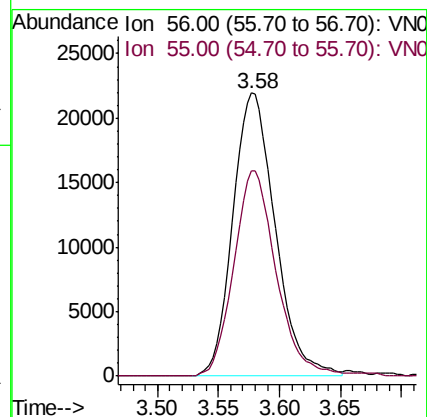
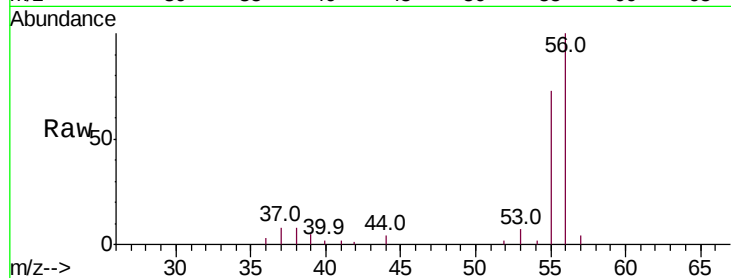
ClientSampleId :

Tot Ion: 56 Resp: 52996

Ion Ratio Lower Upper

56 100

55 72.2 57.8 86.6



#14

Allyl chloride

Concen: 36.414 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

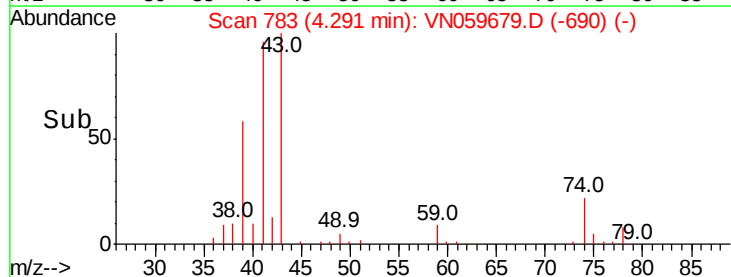
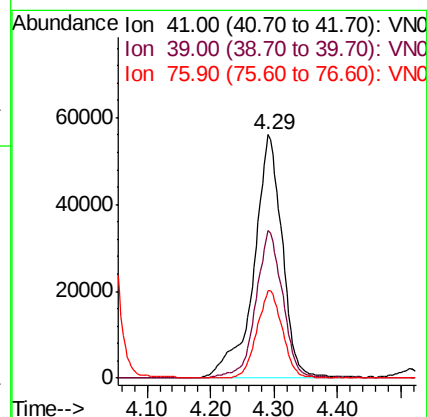
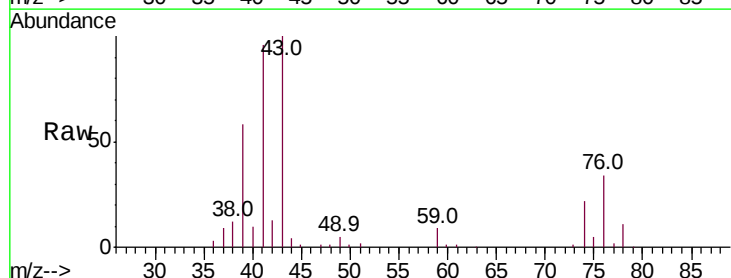
Tgt Ion: 41 Resp: 174180

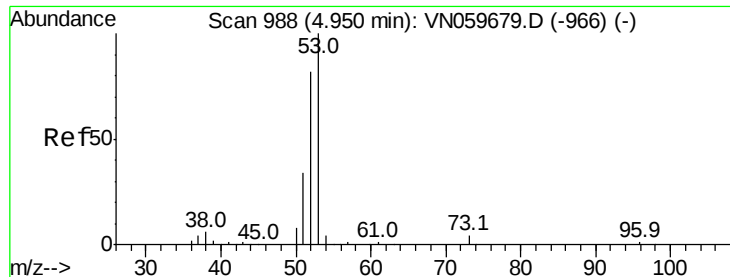
Ion Ratio Lower Upper

41 100

39 57.4 45.9 68.9

76 32.1 25.7 38.5





#15

Acrylonitrile

Concen: 191.670 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

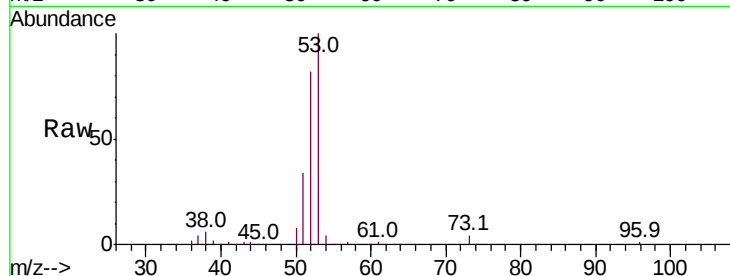
Tot Ion: 53 Resp: 273825

Ion Ratio Lower Upper

53 100

52 81.3 65.0 97.6

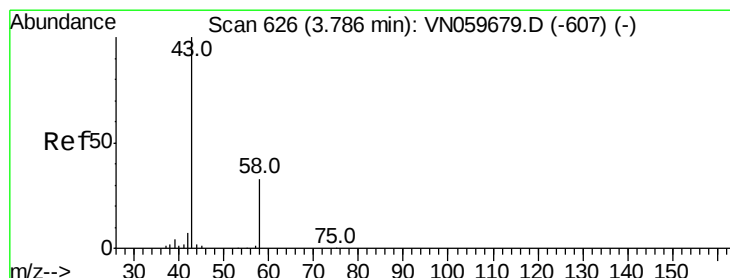
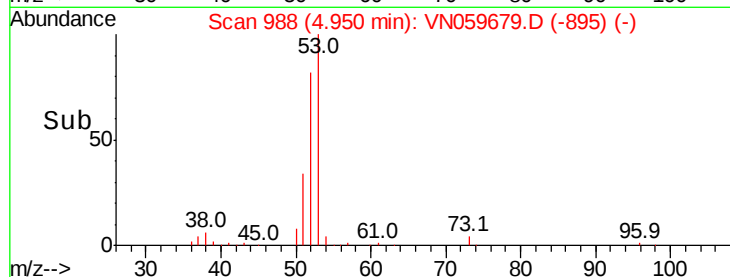
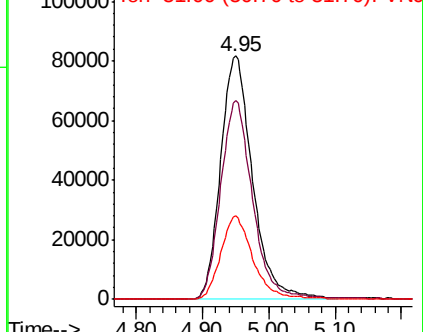
51 34.5 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 136.659 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059679.D

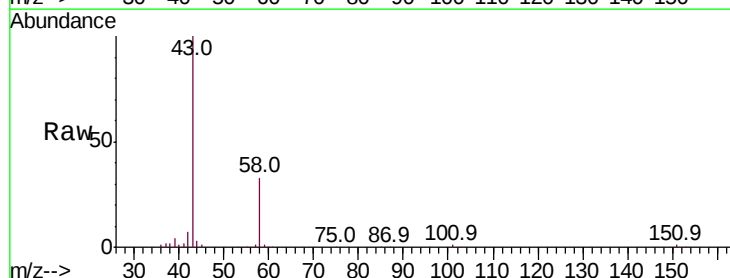
Acq: 20 Dec 2019 14:30

Tgt Ion: 43 Resp: 251893

Ion Ratio Lower Upper

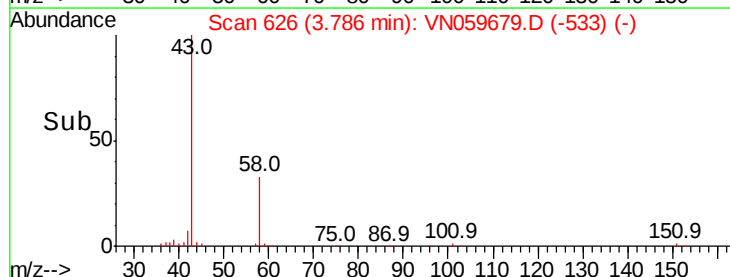
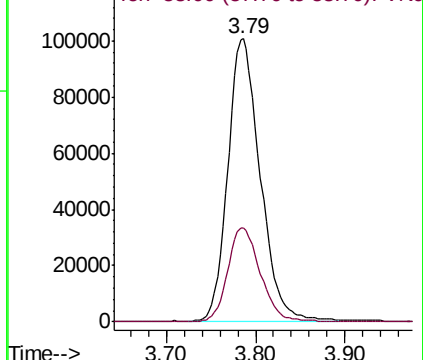
43 100

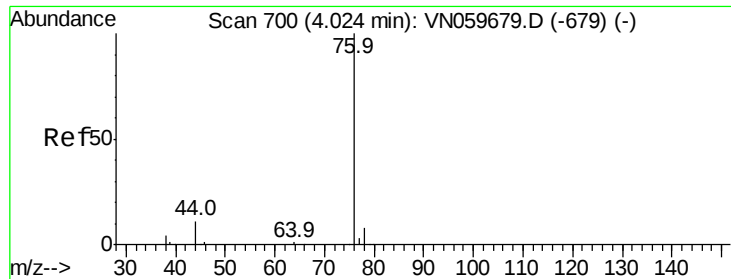
58 33.4 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

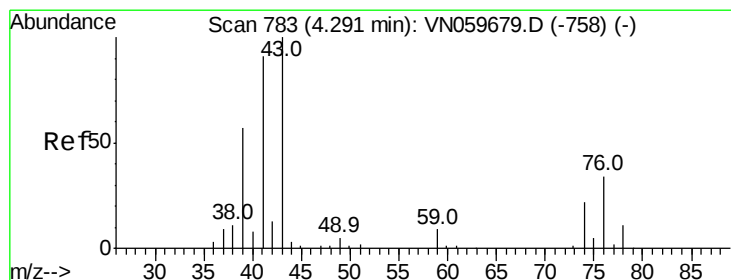
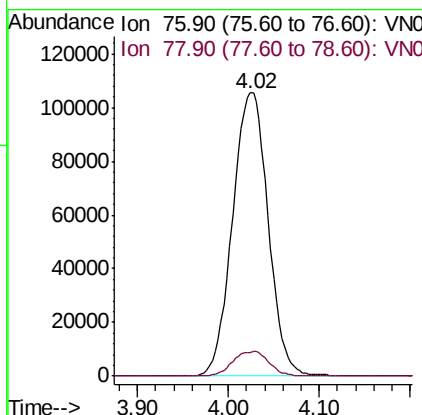
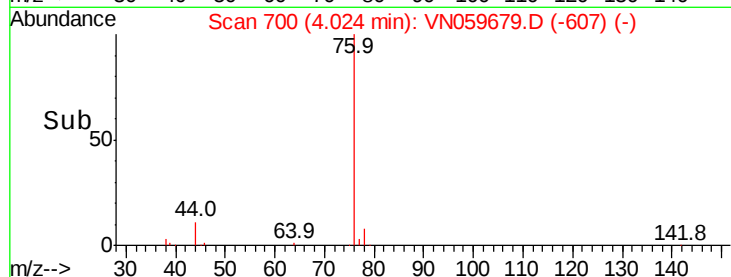
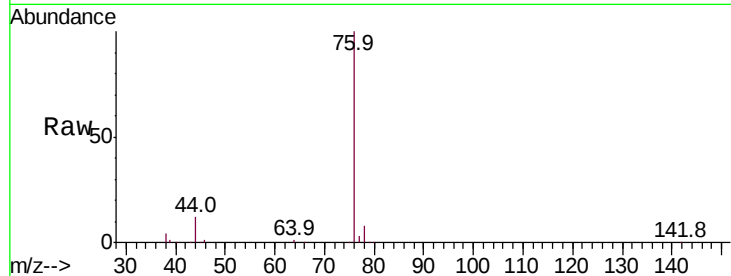




#17
Carbon Disulfide
Concen: 35.598 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

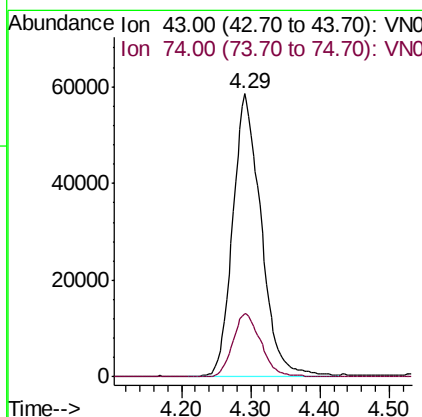
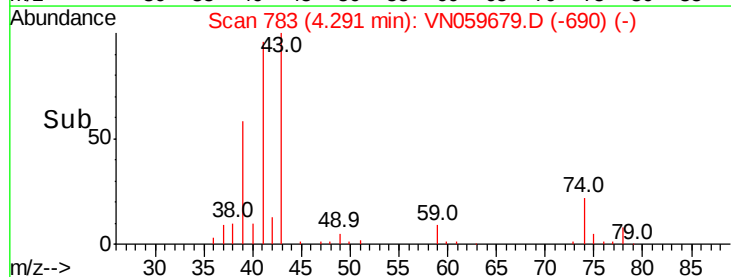
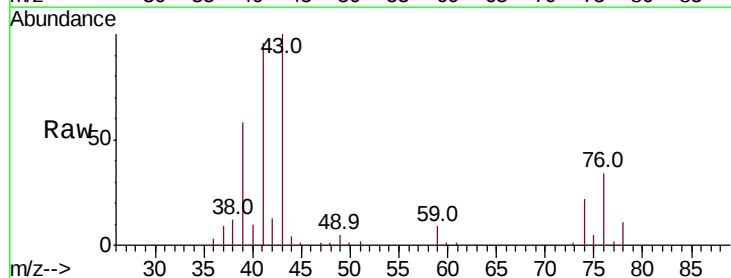
Instrument :
MSVOA_X
ClientSampleId :

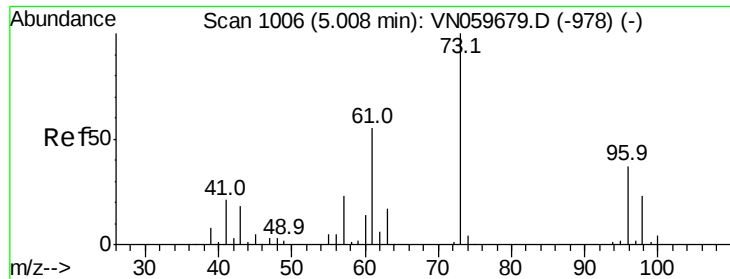
Tot Ion: 76 Resp: 287309
Ion Ratio Lower Upper
76 100
78 8.4 6.7 10.1



#18
Methyl Acetate
Concen: 41.091 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 43 Resp: 168189
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5

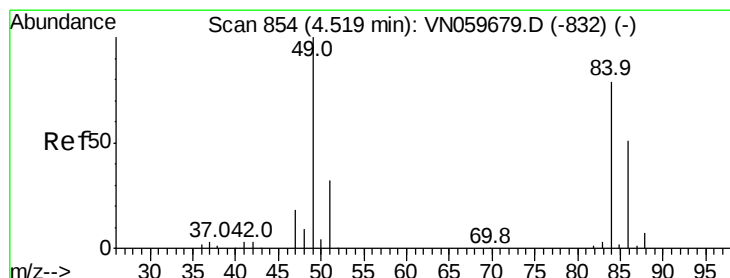
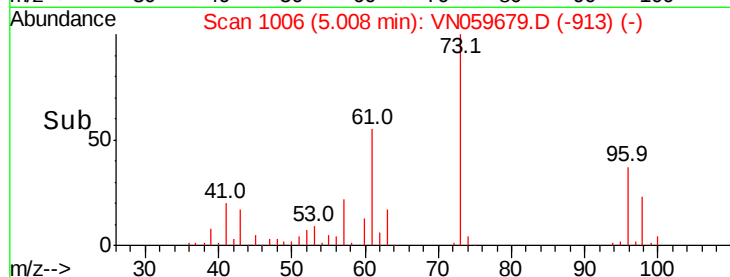
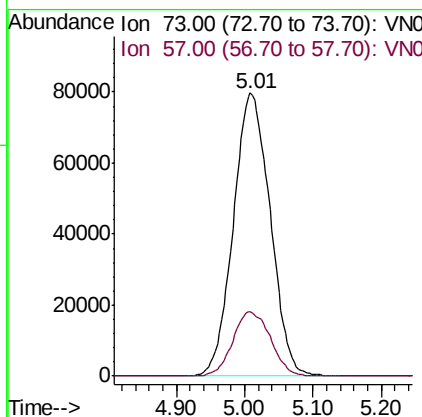
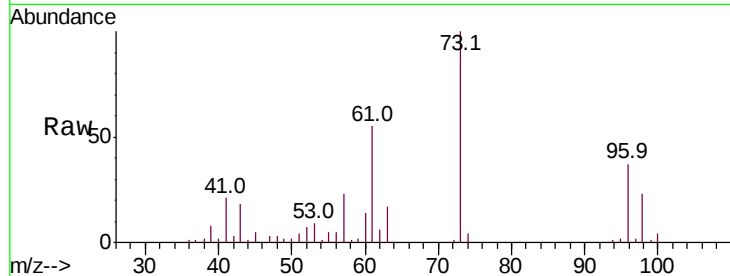




#19
Methvl tert-butvl Ether
Concen: 36.663 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

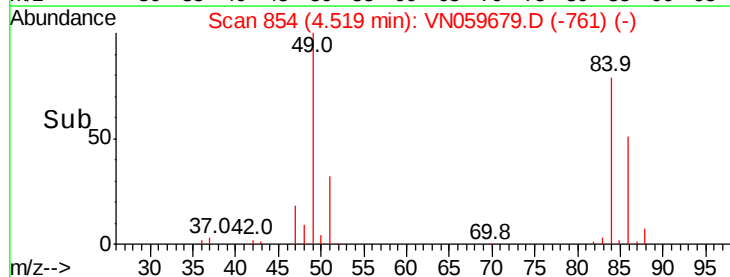
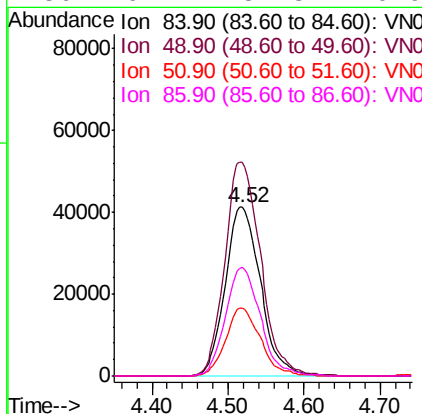
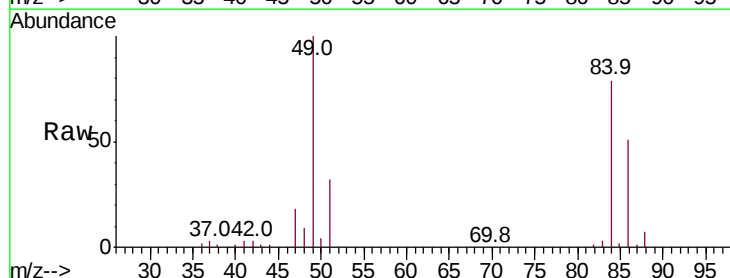
Instrument :
MSVOA_X
ClientSampleId :

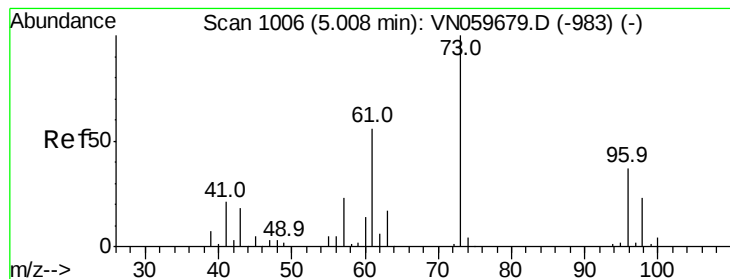
Tot Ion: 73 Resp: 299162
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4



#20
Methylene Chloride
Concen: 46.520 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 84 Resp: 133813
Ion Ratio Lower Upper
84 100
49 126.3 101.0 151.6
51 40.3 32.2 48.4
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 36.934 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :

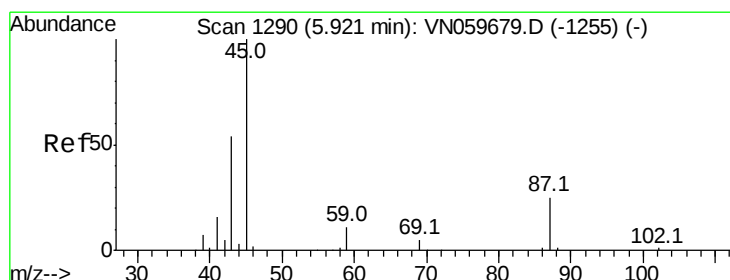
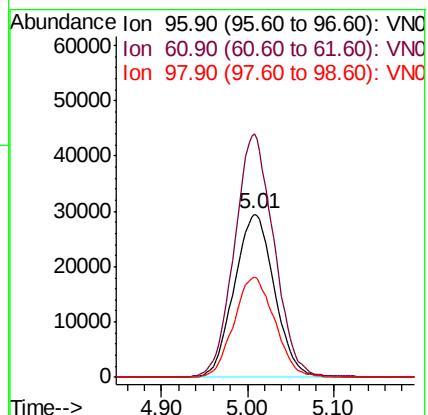
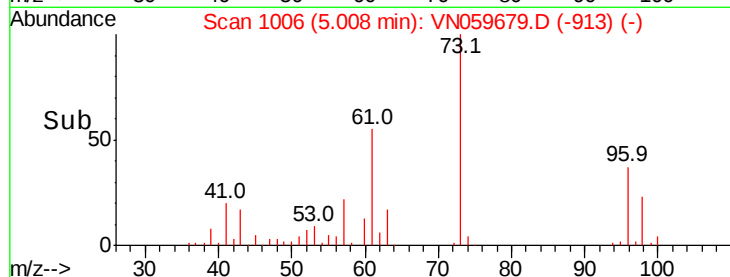
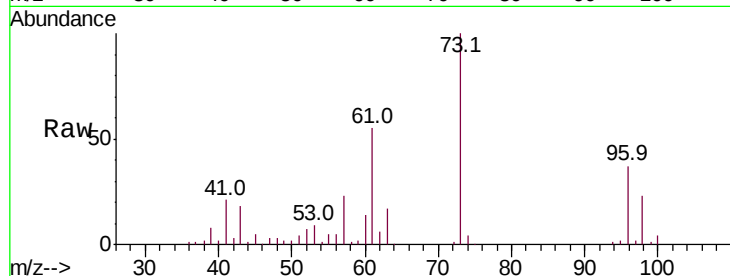
Tot Ion: 96 Resp: 95786

Ion Ratio Lower Upper

96 100

61 149.3 119.4 179.2

98 61.1 48.9 73.3



#22

Diisopropyl ether

Concen: 38.356 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Tgt Ion: 45 Resp: 336876

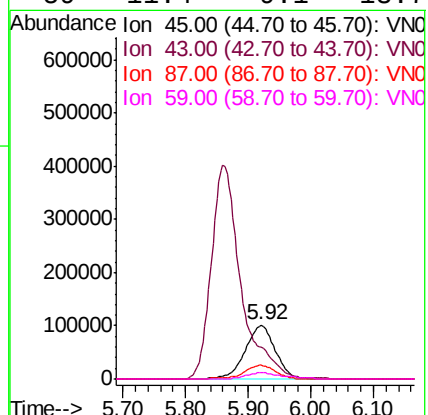
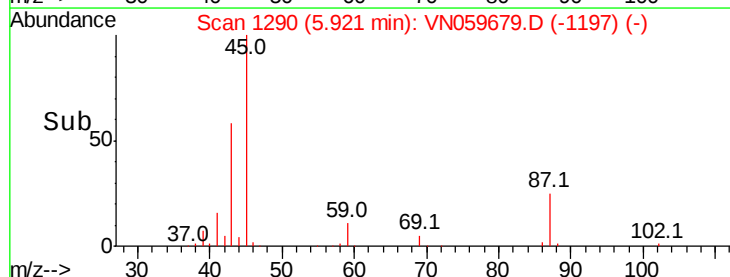
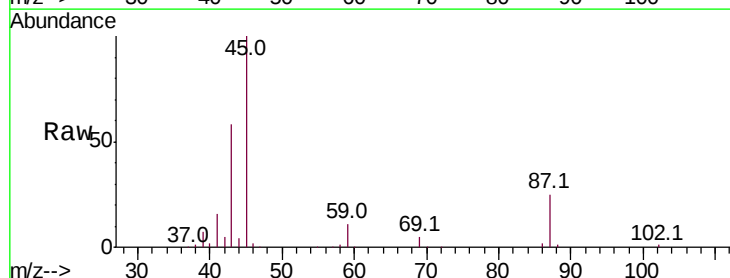
Ion Ratio Lower Upper

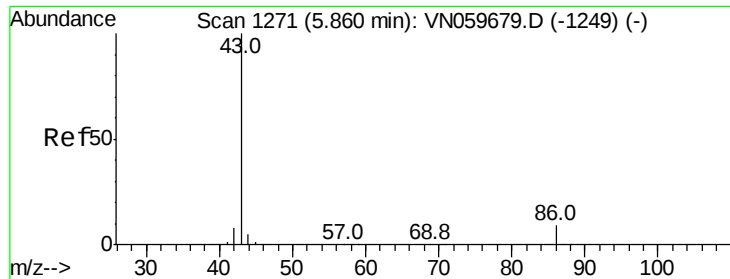
45 100

43 57.5 46.0 69.0

87 25.5 20.4 30.6

59 11.4 9.1 13.7

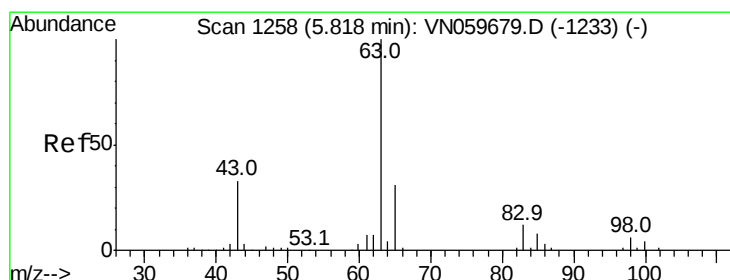
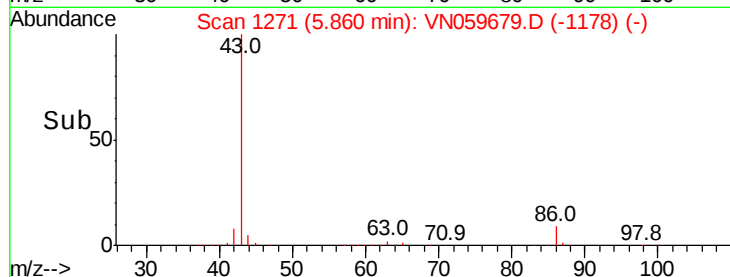
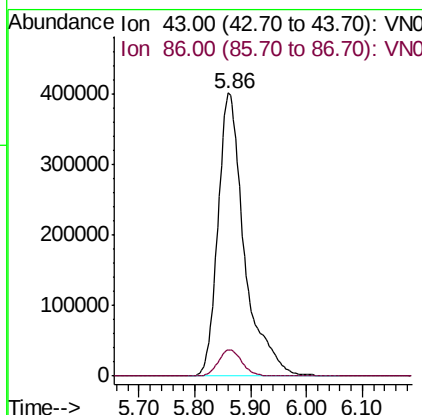
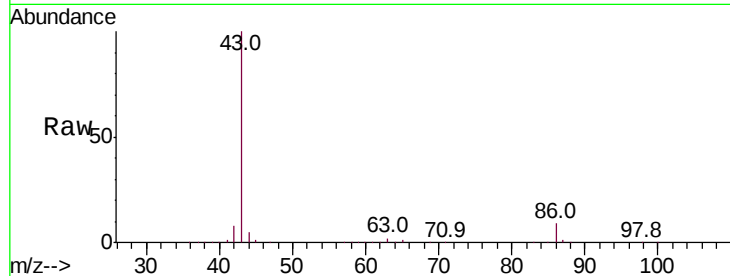




#23
 Vinyl Acetate
 Concen: 194.062 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

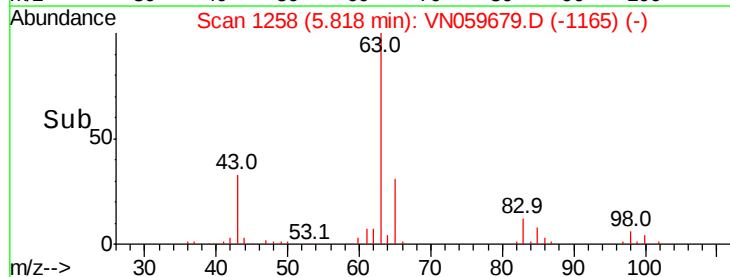
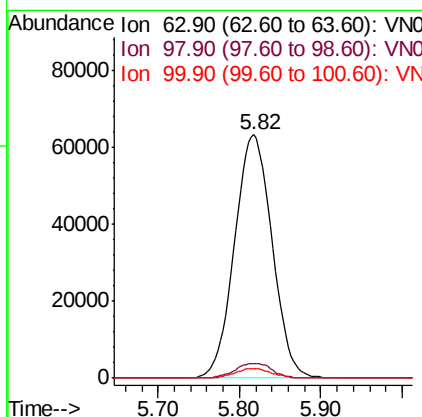
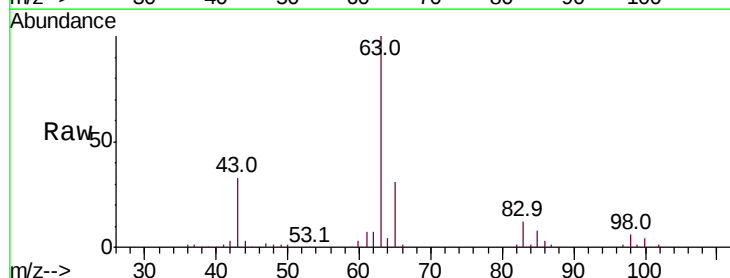
Instrument :
 MSVOA_X
 ClientSampleId :

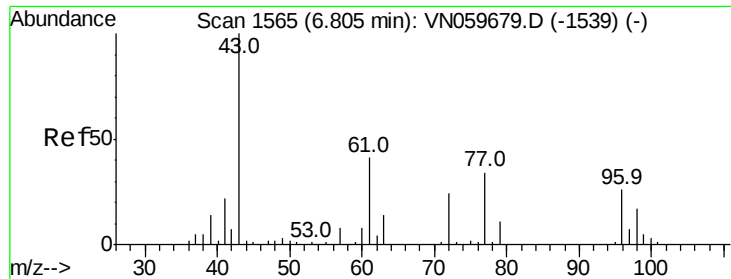
Tot Ion: 43 Resp: 1324928
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 40.204 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Tgt Ion: 63 Resp: 201992
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.8 1.9 5.7

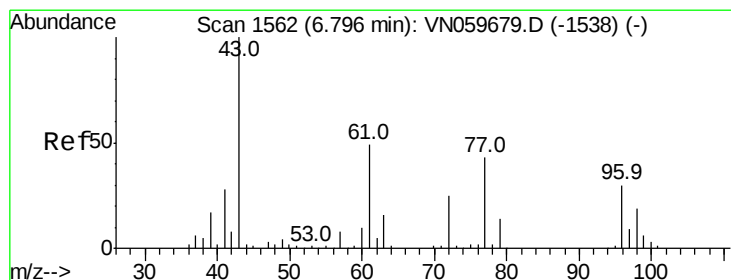
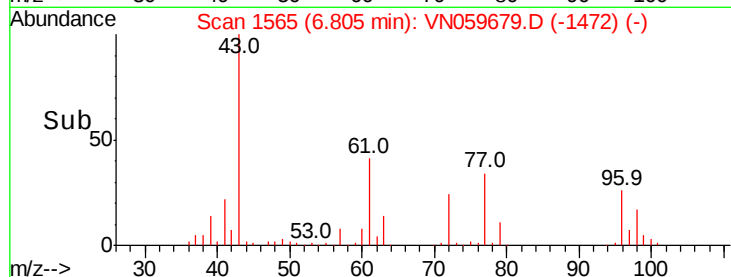
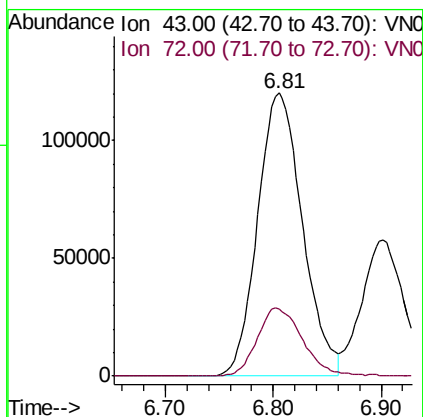
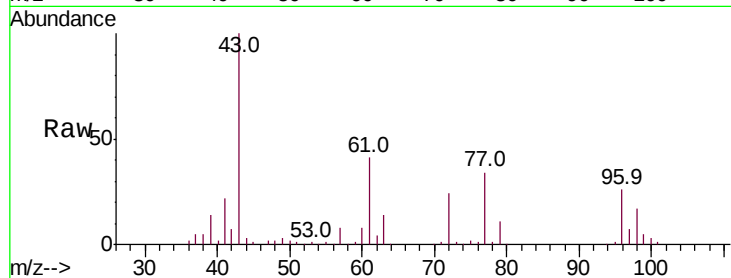




#25
2-Butanone
Concen: 155.408 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

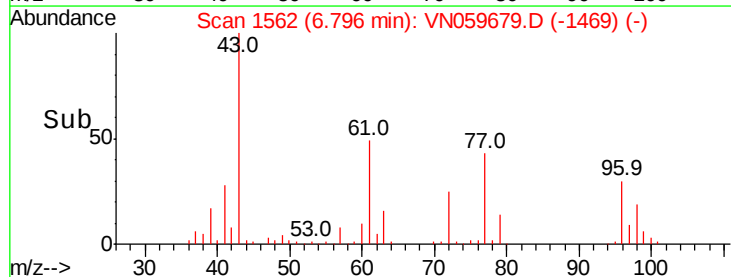
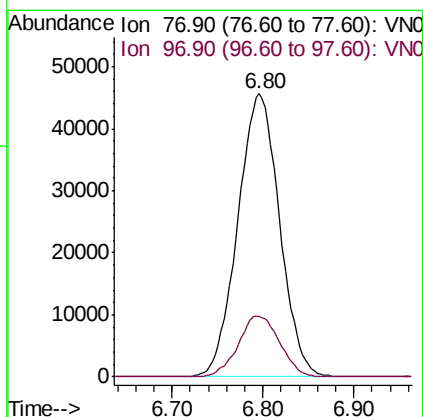
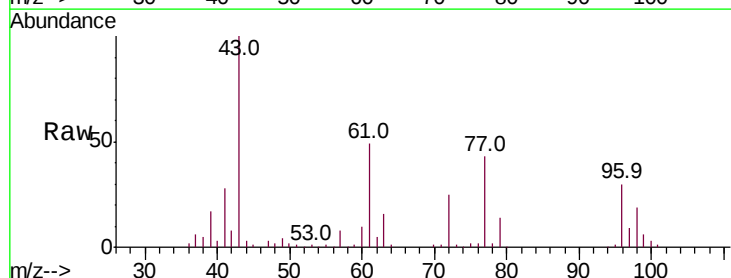
Instrument :
MSVOA_X
ClientSampleId :

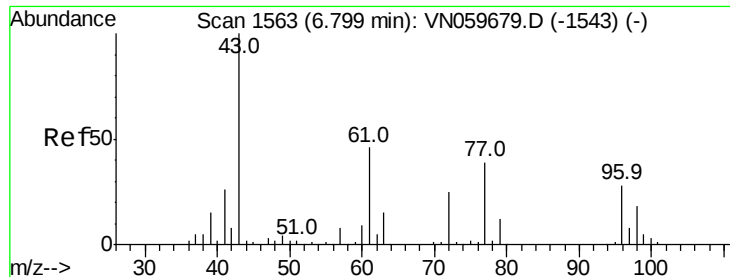
Tot Ion: 43 Resp: 346193
Ion Ratio Lower Upper
43 100
72 23.7 19.0 28.4



#26
2,2-Dichloropropane
Concen: 32.727 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 77 Resp: 145205
Ion Ratio Lower Upper
77 100
97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 33.201 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :

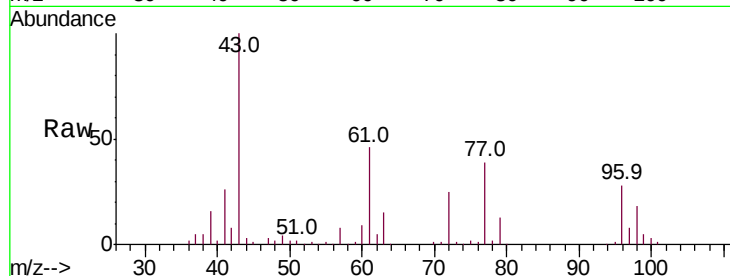
Tot Ion: 96 Resp: 93403

Ion Ratio Lower Upper

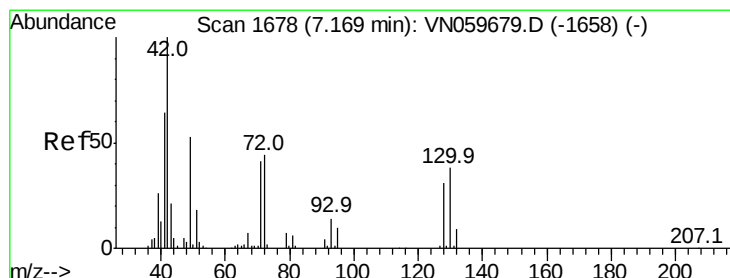
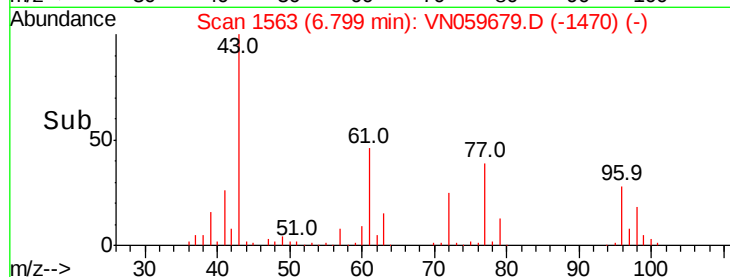
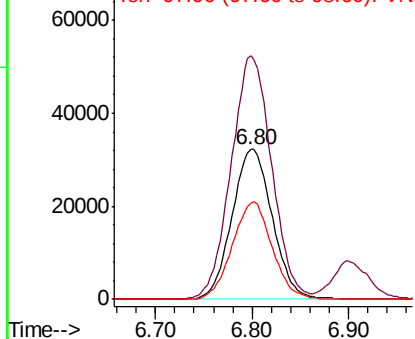
96 100

61 163.4 0.0 326.8

98 64.2 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.480 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

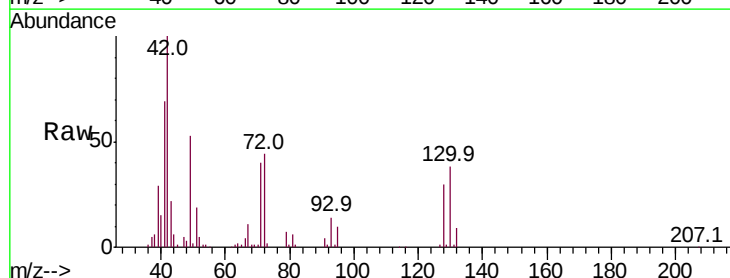
Tgt Ion: 49 Resp: 88630

Ion Ratio Lower Upper

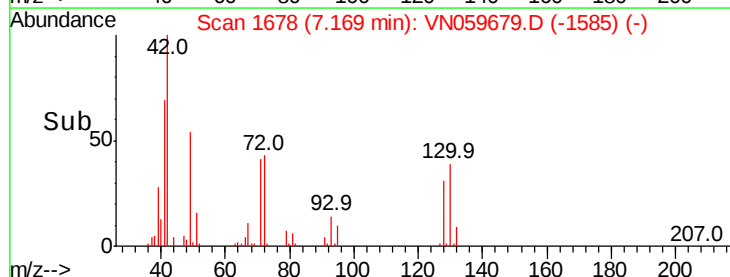
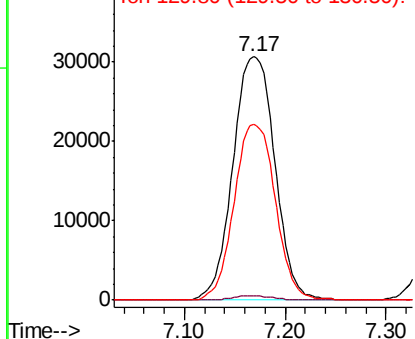
49 100

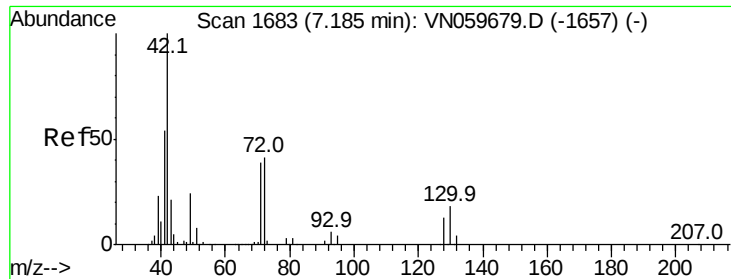
129 1.6 0.0 3.2

130 71.0 56.8 85.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

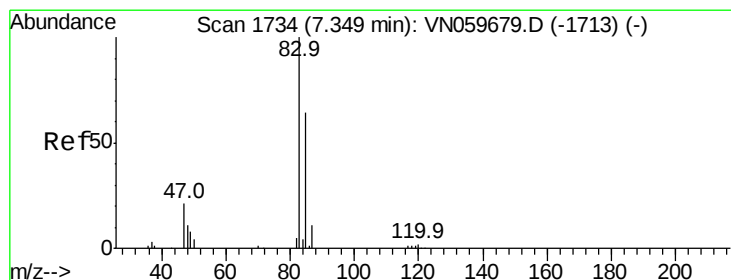
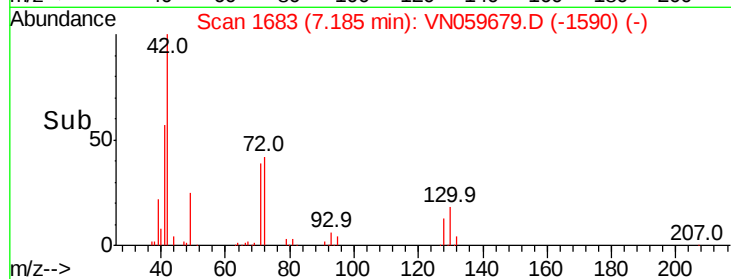
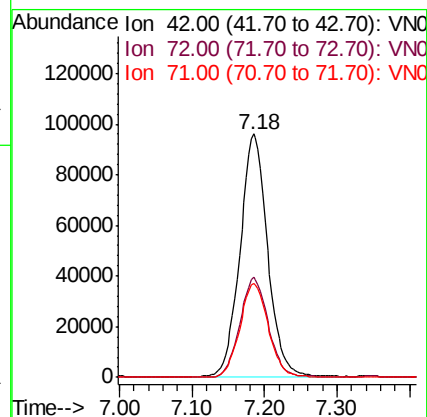
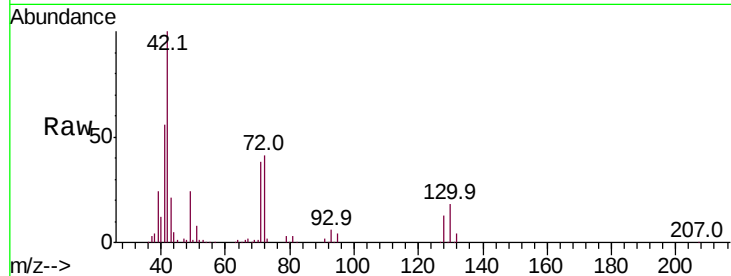




#29
Tetrahydrofuran
Concen: 183.526 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

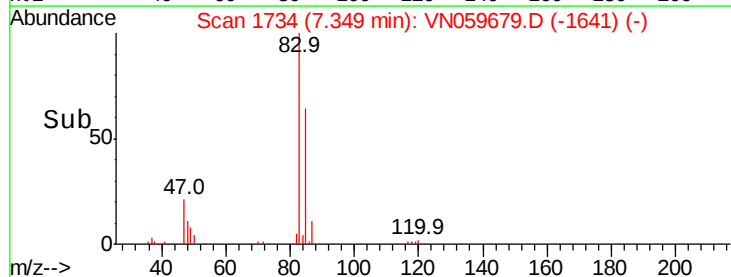
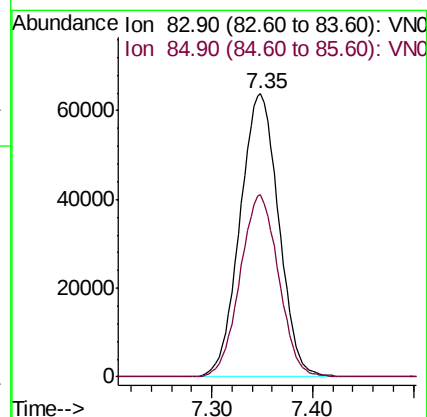
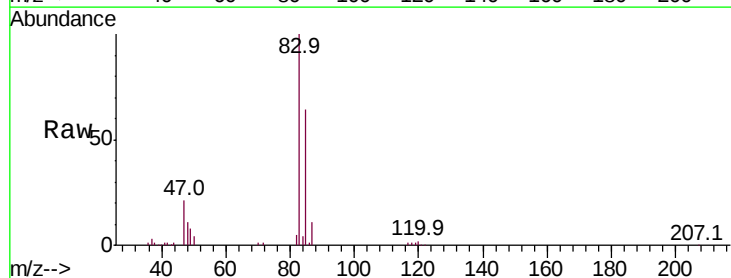
Instrument :
MSVOA_X
ClientSampled :

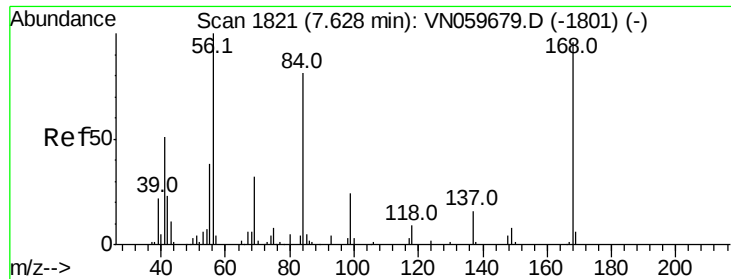
Tot Ion: 42 Resp: 255030
Ion Ratio Lower Upper
42 100
72 42.2 33.8 50.6
71 39.7 31.8 47.6



#30
Chloroform
Concen: 35.021 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 83 Resp: 169761
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3

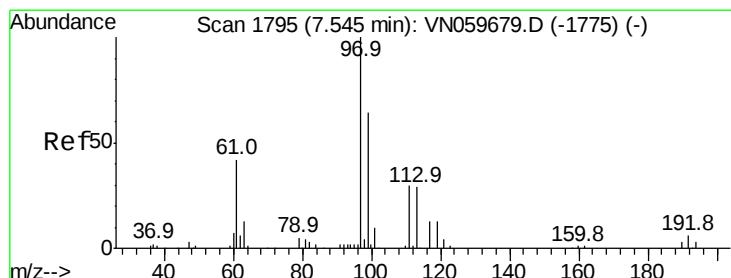
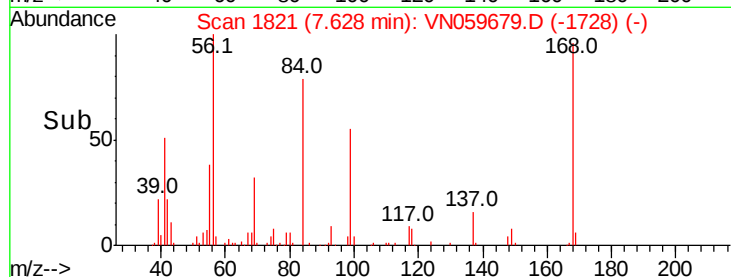
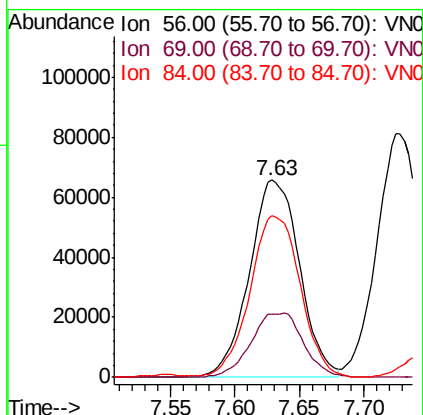
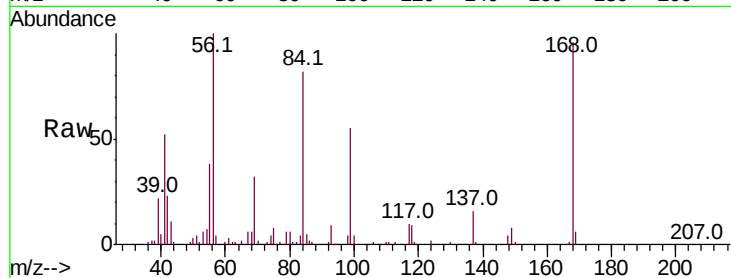




#31
Cyclohexane
Concen: 37.835 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

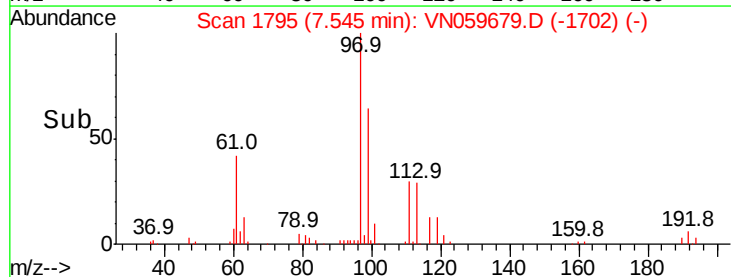
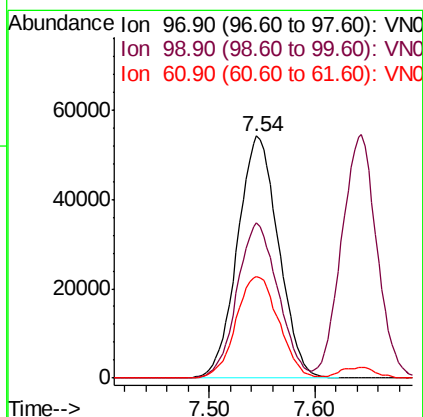
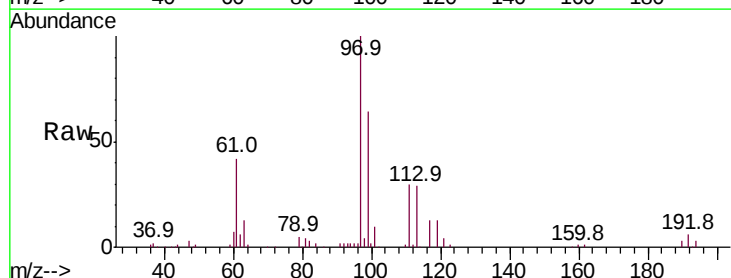
Instrument :
MSVOA_X
ClientSampleId :

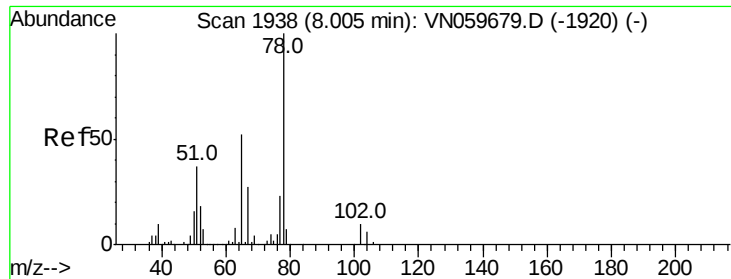
Tot Ion: 56 Resp: 178004
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.6
84 80.9 64.7 97.1



#32
1,1,1-Trichloroethane
Concen: 33.588 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 97 Resp: 146276
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 43.6 34.9 52.3

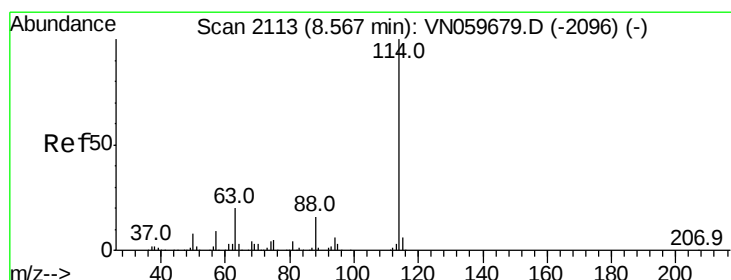
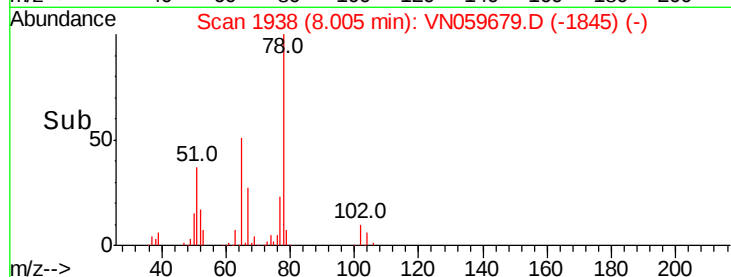
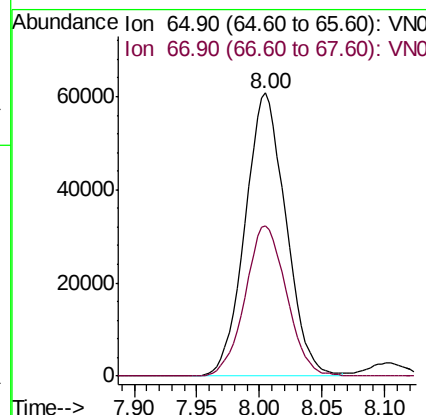
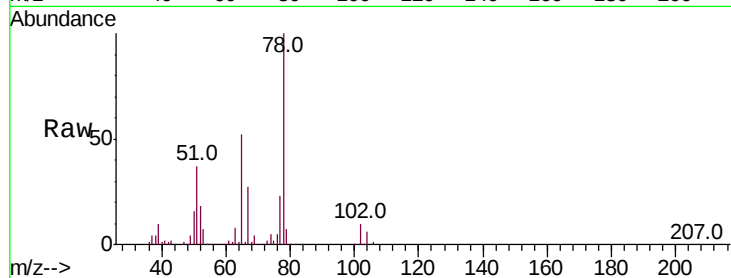




#33
 1,2-Dichloroethane-d4
 Concen: 42.299 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

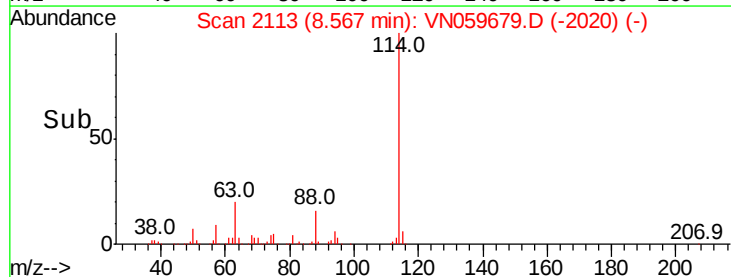
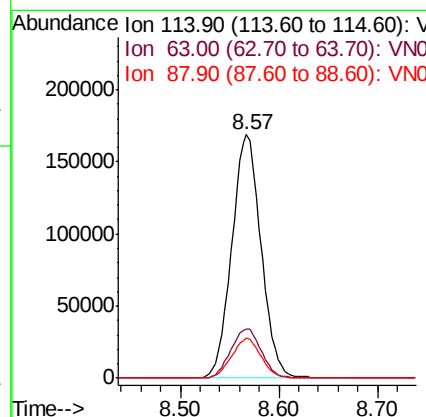
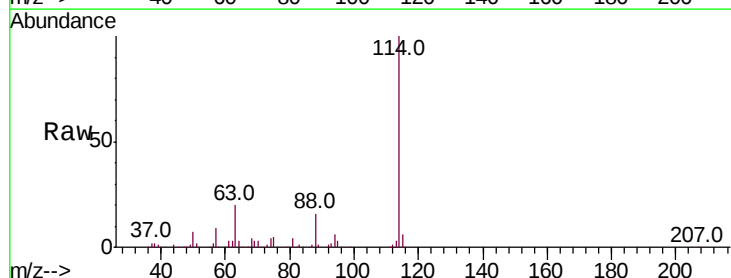
Instrument :
 MSVOA_X
 ClientSampleId :

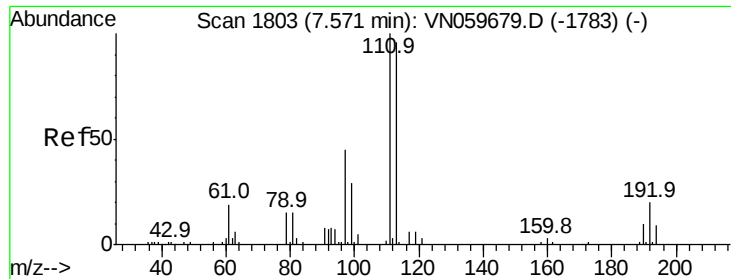
Tot Ion: 65 Resp: 137385
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Tgt Ion: 114 Resp: 349964
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.938 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

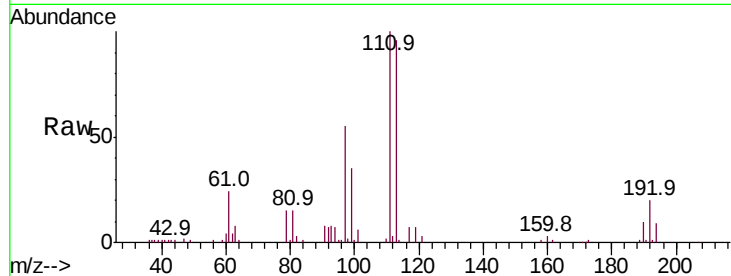
Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

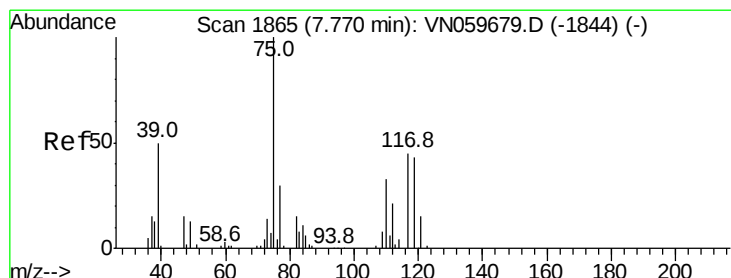
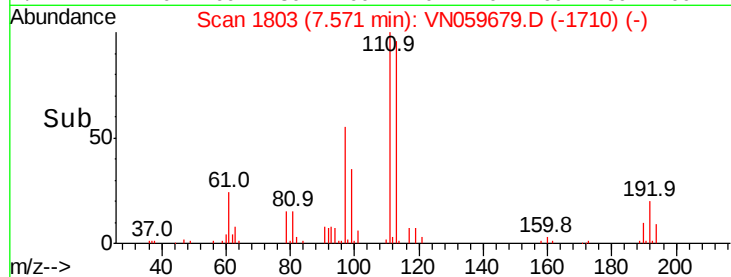
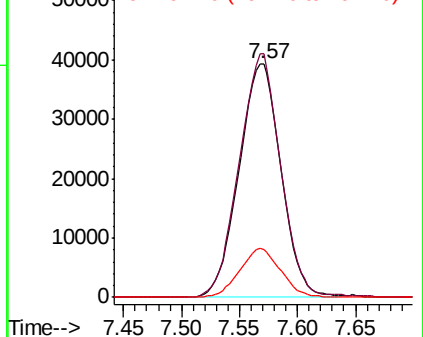
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:113 Resp: 99184

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.5	123.7
192	20.3	16.2	24.4



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: 40.941 ug/l

RT: 7.77 min Scan# 1865

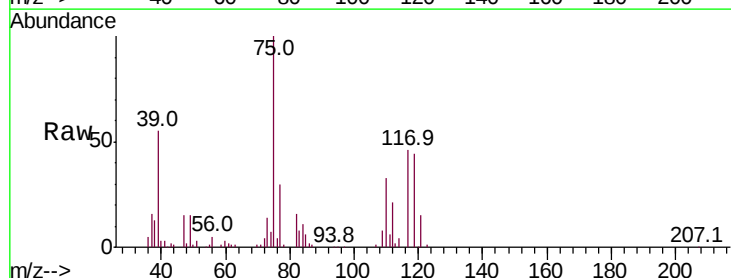
Delta R.T. 0.00 min

Lab File: VN059679.D

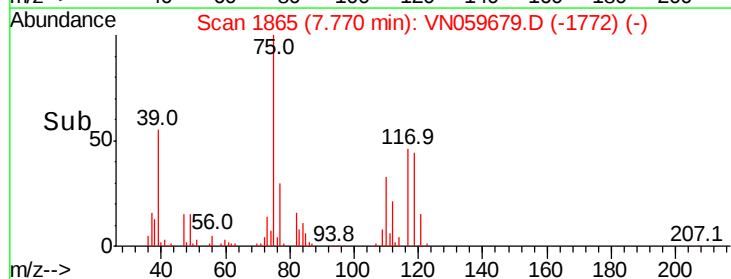
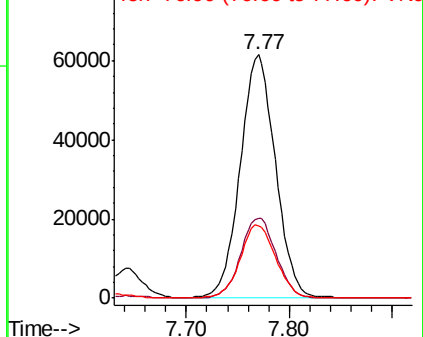
Acq: 20 Dec 2019 14:30

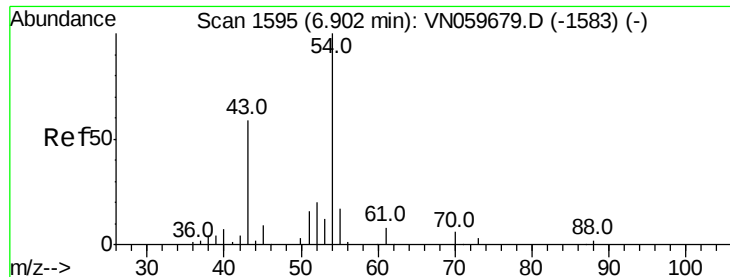
Tgt Ion: 75 Resp: 145033

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.8	24.6	37.0



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

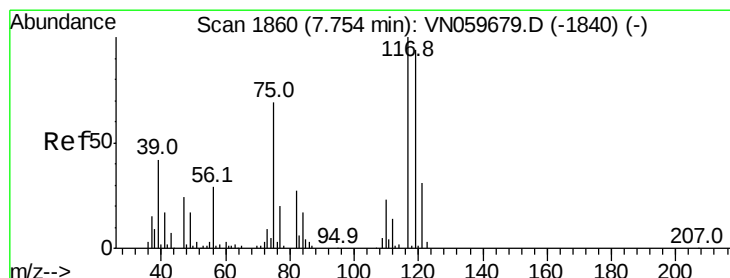
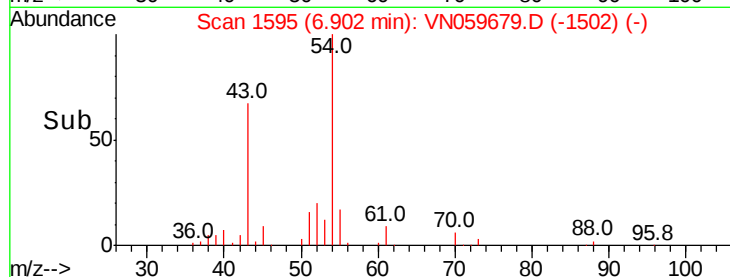
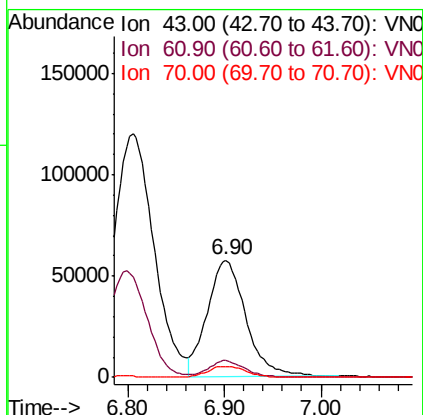
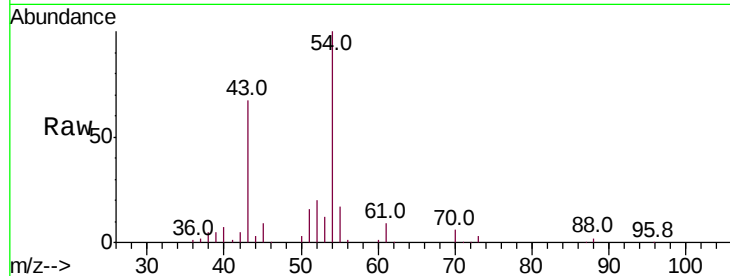




#37
Ethyl Acetate
Concen: 38.769 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

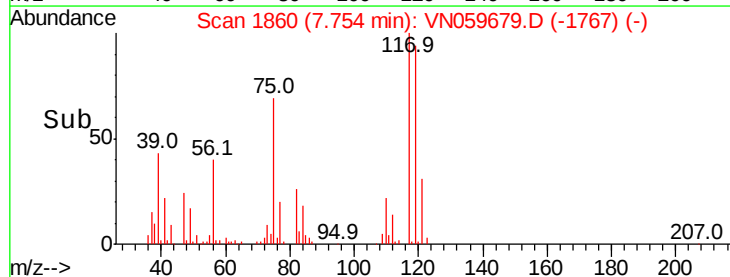
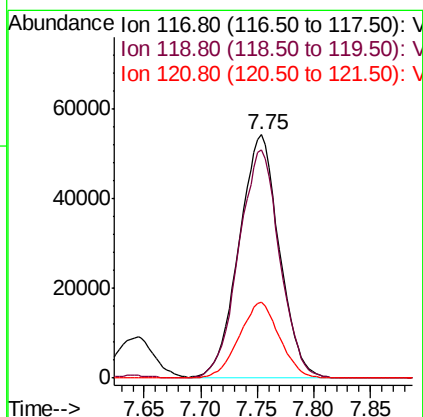
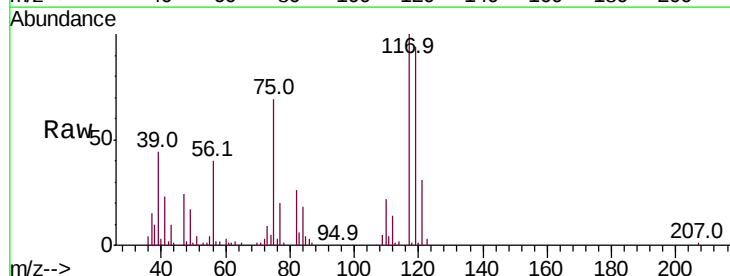
Instrument :
MSVOA_X
ClientSampled :

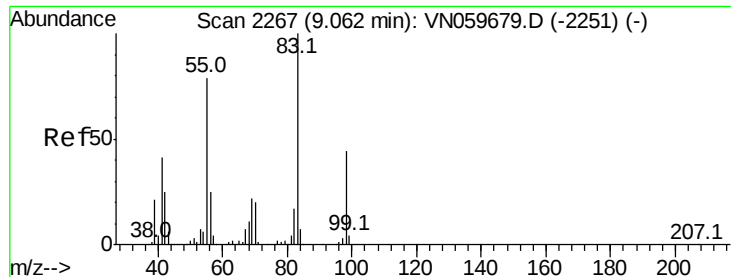
Tot Ion: 43 Resp: 159022
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.6
70 9.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 36.968 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 117 Resp: 134257
Ion Ratio Lower Upper
117 100
119 93.9 75.1 112.7
121 31.1 24.9 37.3

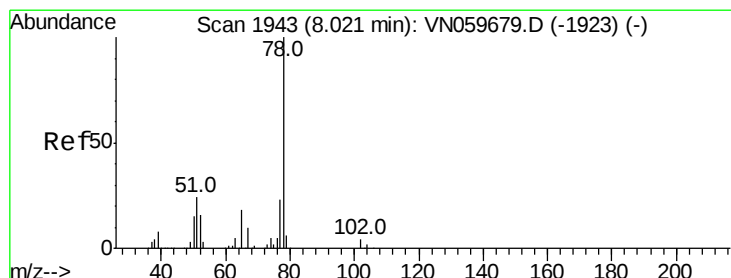
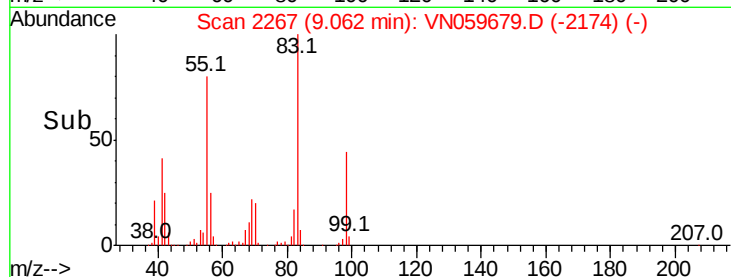
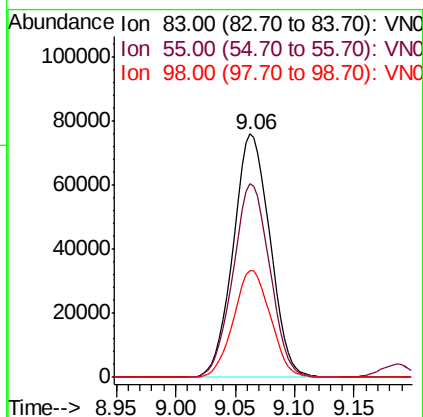
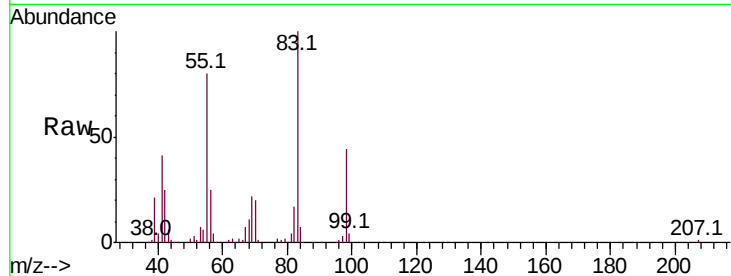




#39
Methvlcvclohexane
Concen: 40.752 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

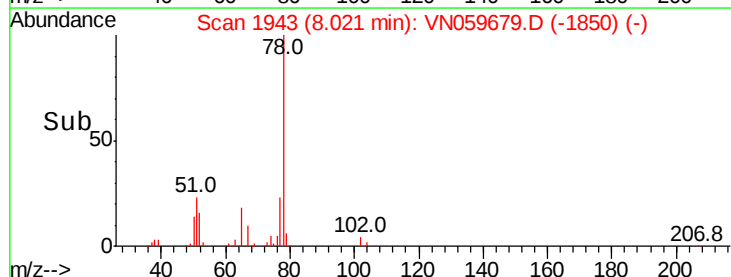
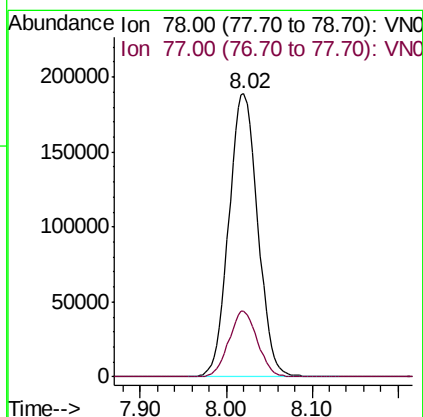
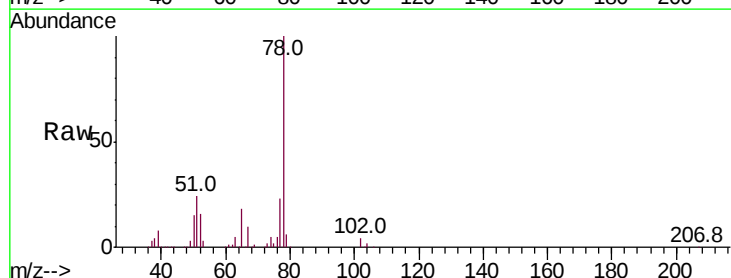
Instrument :
MSVOA_X
ClientSampleId :

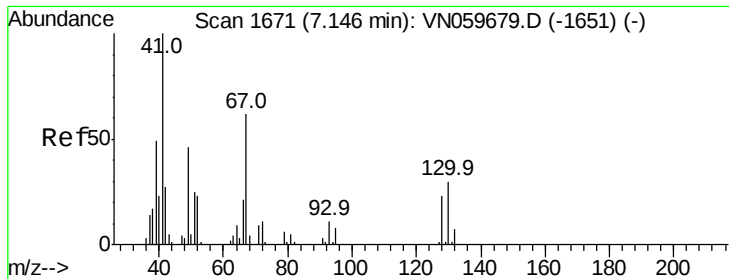
Tot Ion	83	Resp	162886
Ion Ratio	Lower	Upper	
83	100		
55	79.5	63.6	95.4
98	44.0	35.2	52.8



#40
Benzene
Concen: 42.356 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion	78	Resp	440568
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.4	27.6

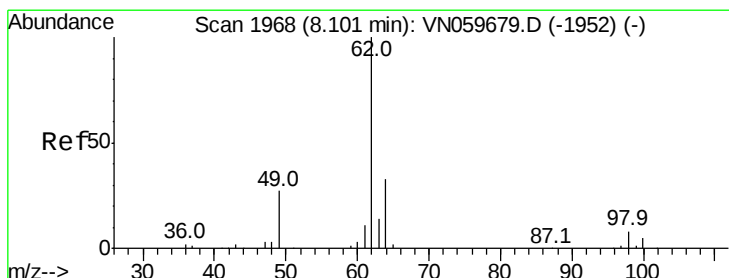
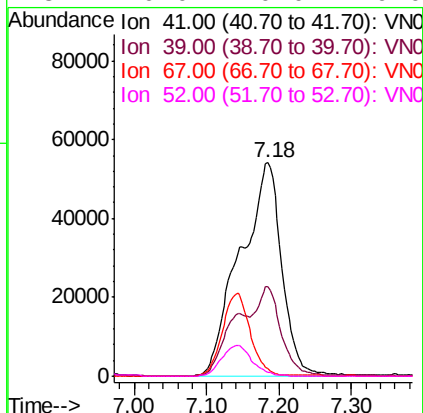
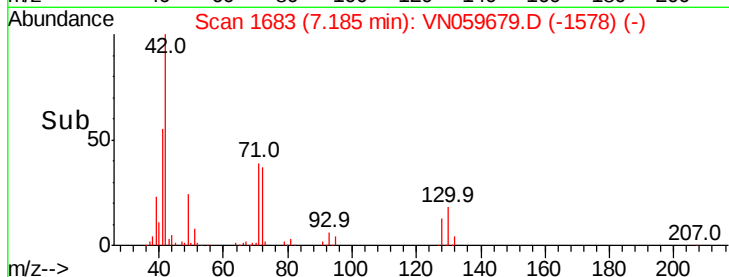
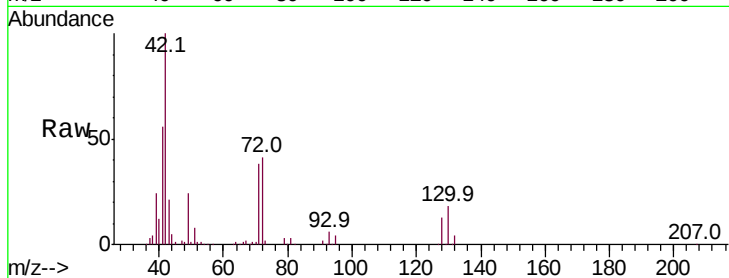




#41
Methacrylonitrile
Concen: 129.312 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.04 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

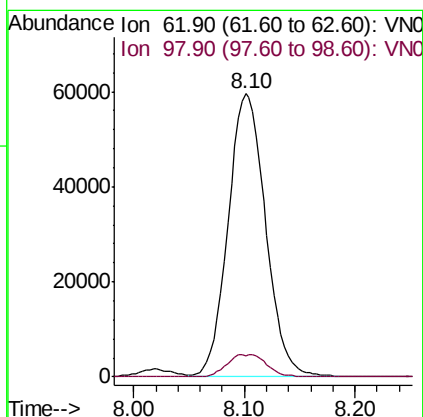
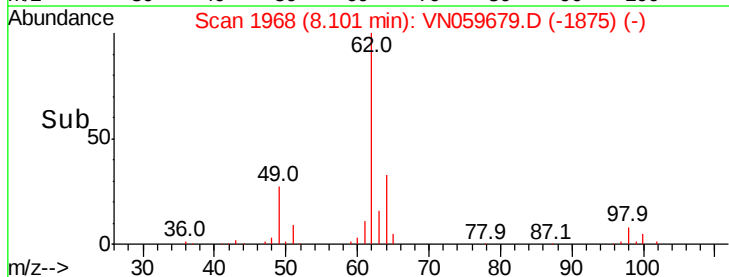
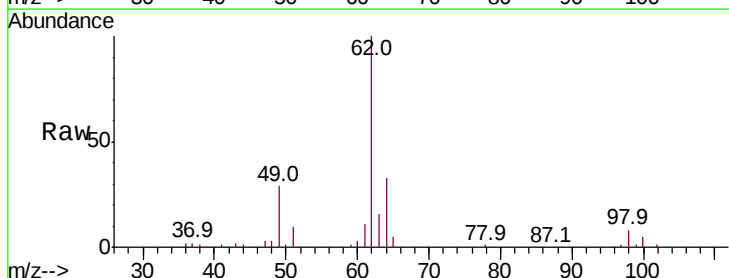
Instrument :
MSVOA_X
ClientSampled :

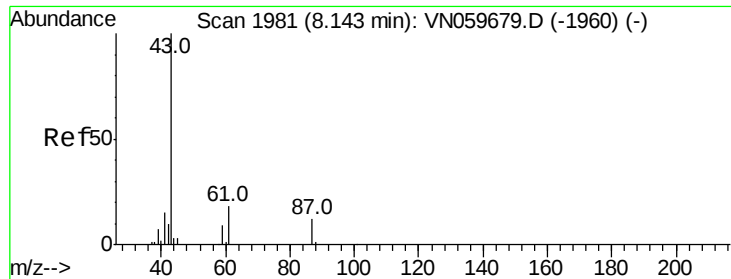
Tot Ion: 41 Resp: 216330
Ion Ratio Lower Upper
41 100
39 21.6 58.6 87.8#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 35.945 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 62 Resp: 139465
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.6

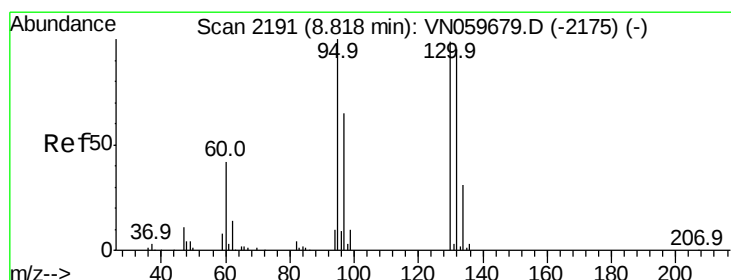
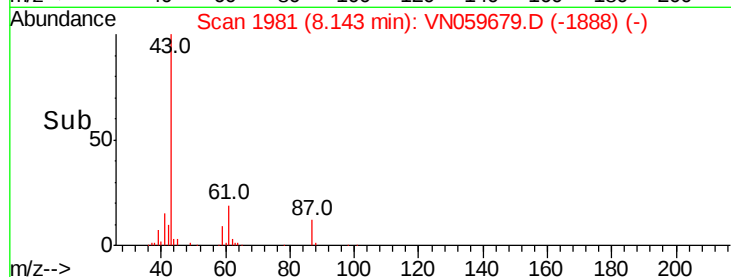
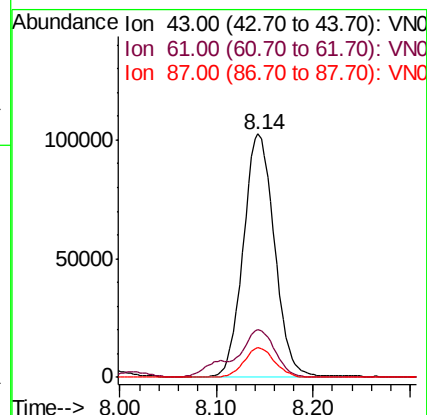
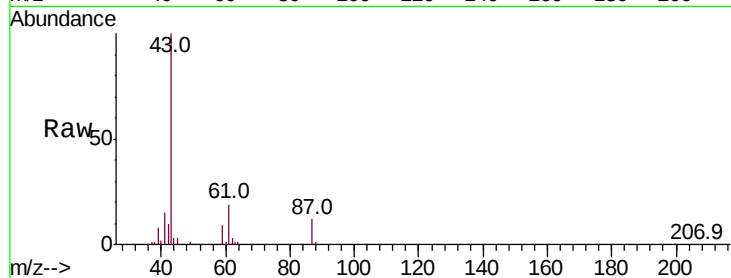




#43
Isopropyl Acetate
Concen: 36.496 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

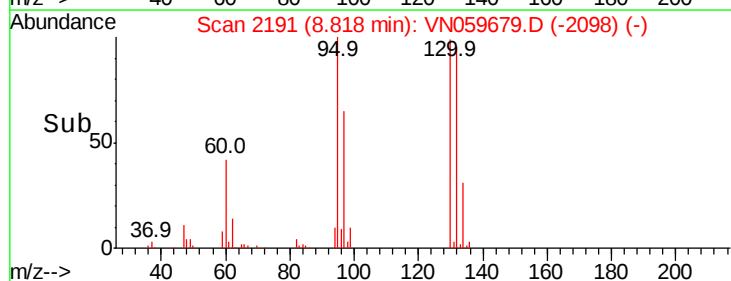
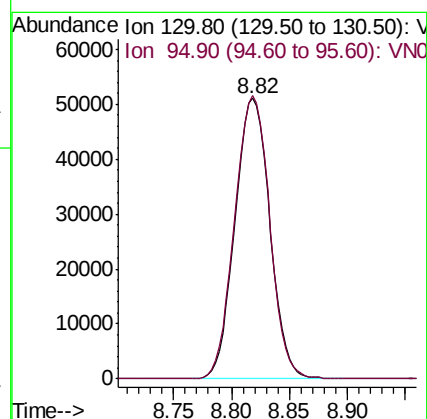
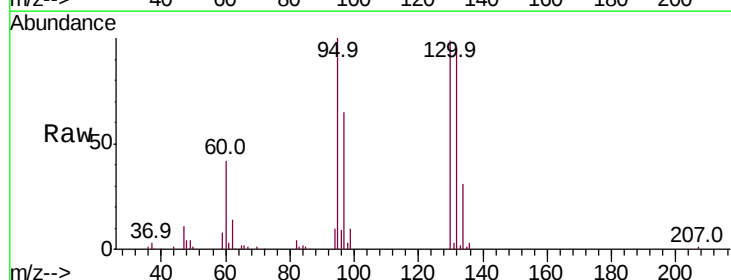
Instrument :
MSVOA_X
ClientSampleId :

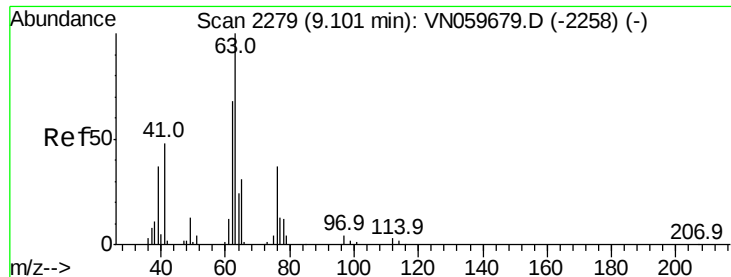
Tot Ion: 43 Resp: 228936
Ion Ratio Lower Upper
43 100
61 19.9 15.9 23.9
87 12.0 9.6 14.4



#44
Trichloroethene
Concen: 39.379 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 130 Resp: 106558
Ion Ratio Lower Upper
130 100
95 101.0 0.0 202.0





#45

1,2-Dichloropropane

Concen: 42.458 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

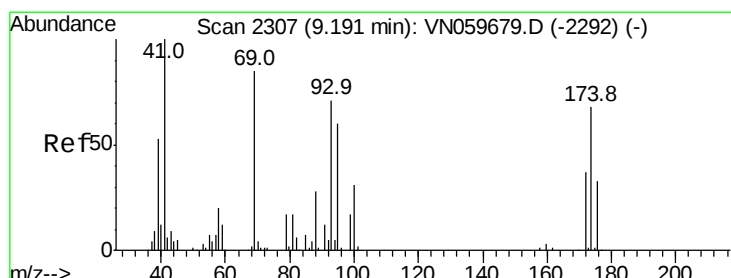
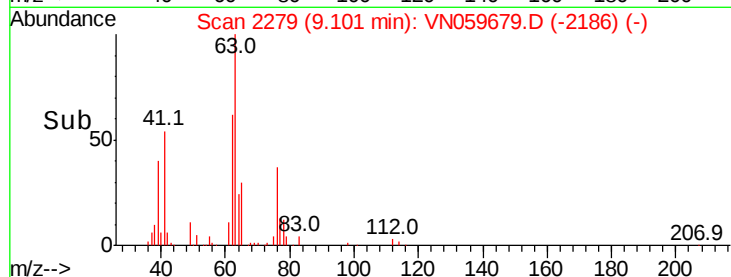
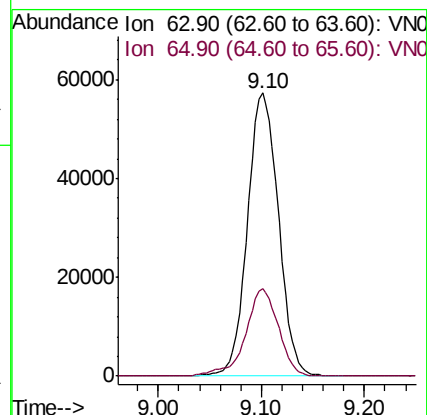
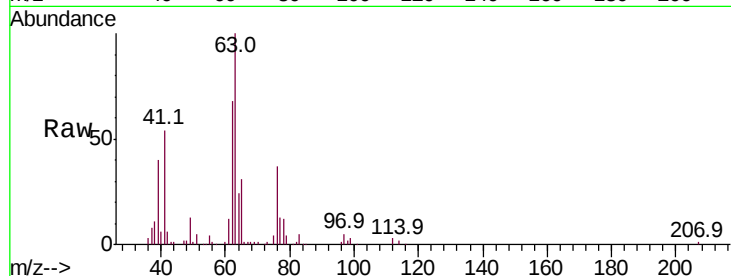
ClientSampleId :

Tot Ion: 63 Resp: 119524

Ion Ratio Lower Upper

63 100

65 30.8 24.6 37.0



#46

Dibromomethane

Concen: 38.669 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

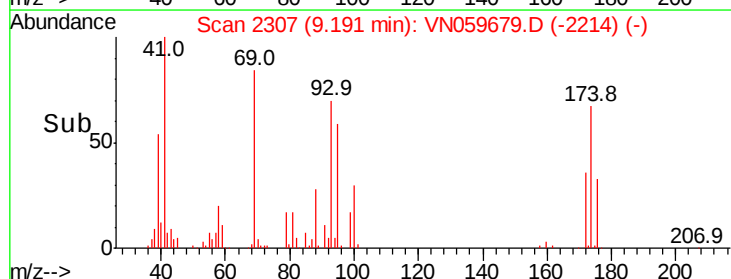
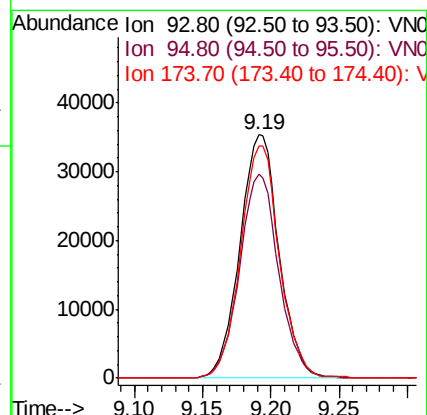
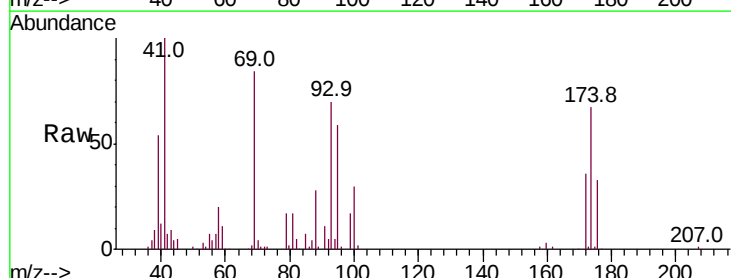
Tgt Ion: 93 Resp: 70322

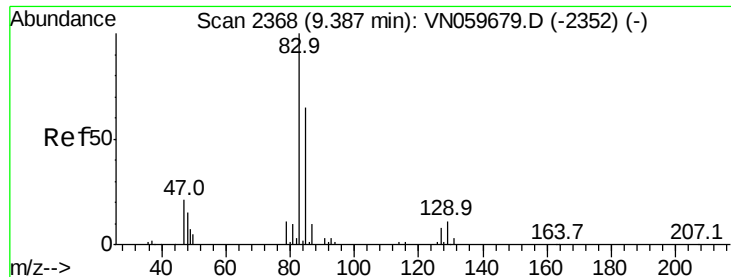
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

174 94.4 75.5 113.3





#47

Bromodichloromethane

Concen: 35.275 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

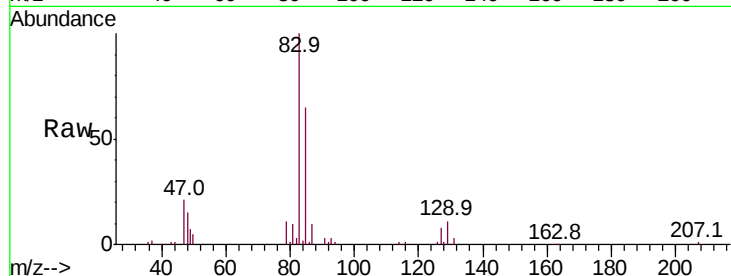
Tot Ion: 83 Resp: 125736

Ion Ratio Lower Upper

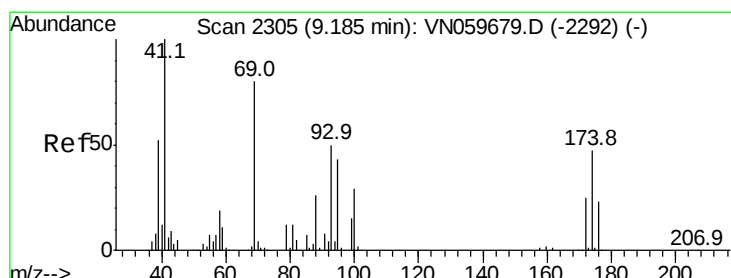
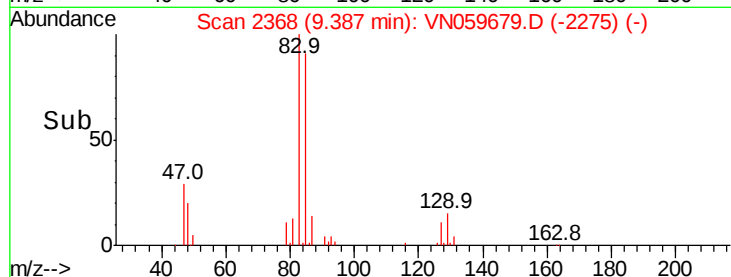
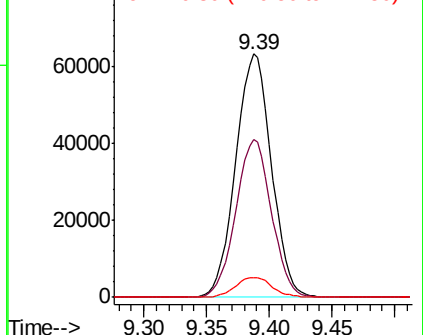
83 100

85 64.7 51.8 77.6

127 8.1 6.5 9.7



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



#48

Methyl methacrylate

Concen: 38.715 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

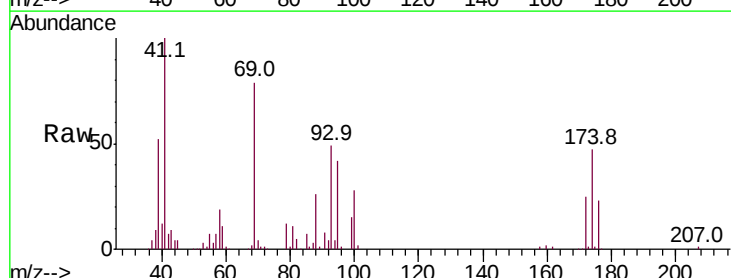
Tgt Ion: 41 Resp: 111157

Ion Ratio Lower Upper

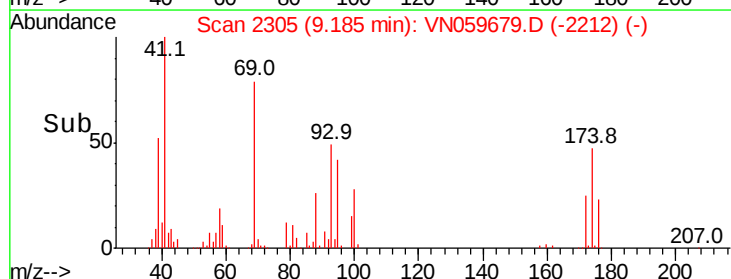
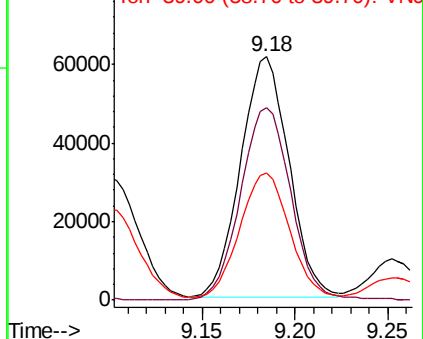
41 100

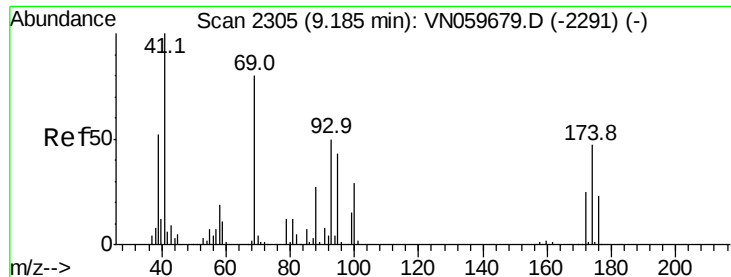
69 83.6 66.9 100.3

39 55.3 44.2 66.4



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

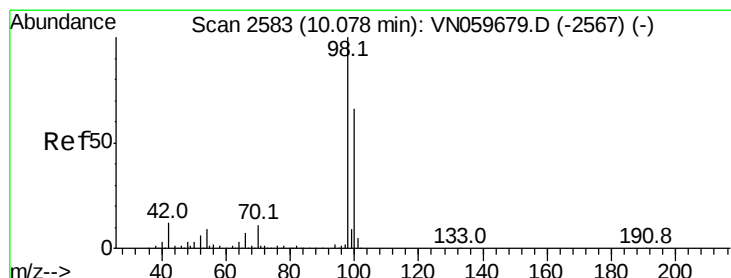
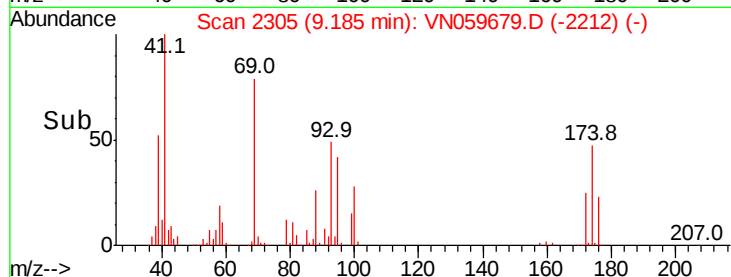
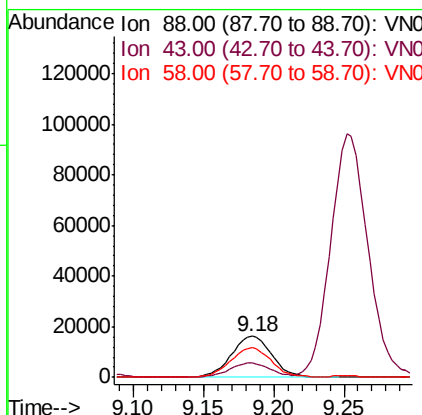
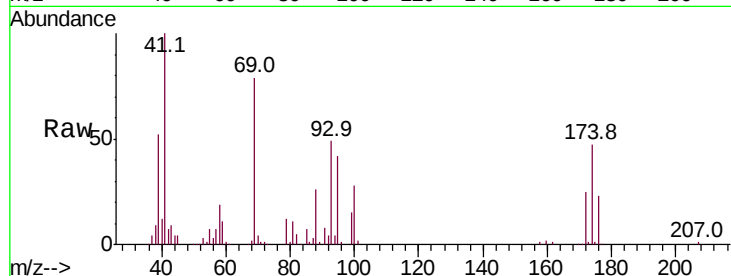




#49
1,4-Dioxane
Concen: 801.330 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

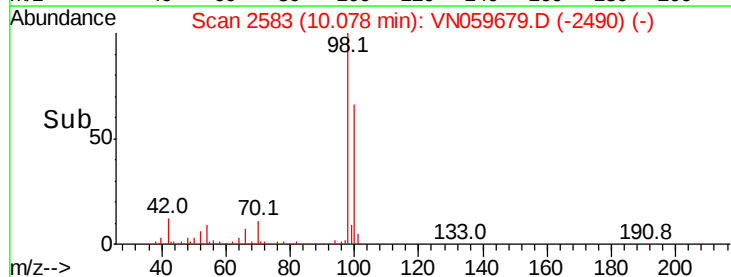
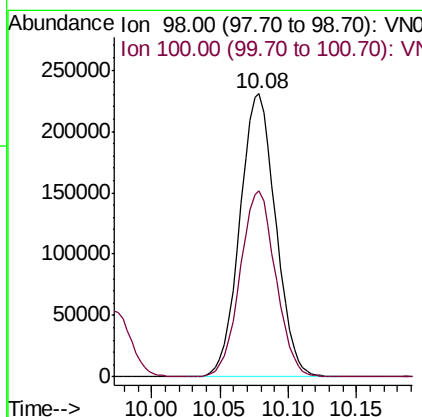
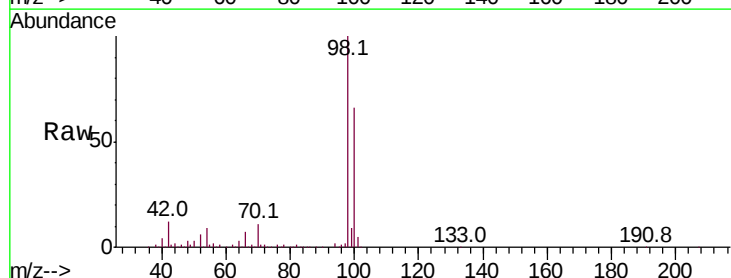
Instrument :
MSVOA_X
ClientSampleId :

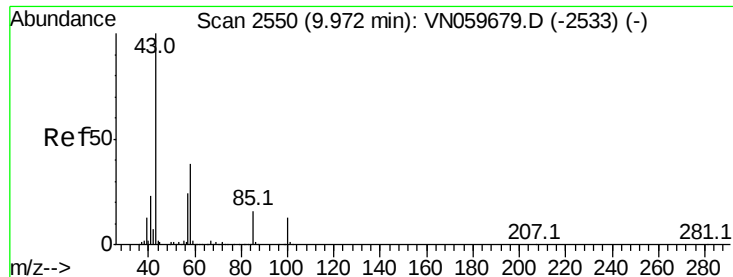
Tot Ion: 88 Resp: 32609
Ion Ratio Lower Upper
88 100
43 35.6 28.5 42.7
58 73.7 59.0 88.4



#50
Toluene-d8
Concen: 48.801 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 98 Resp: 420736
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 197.068 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

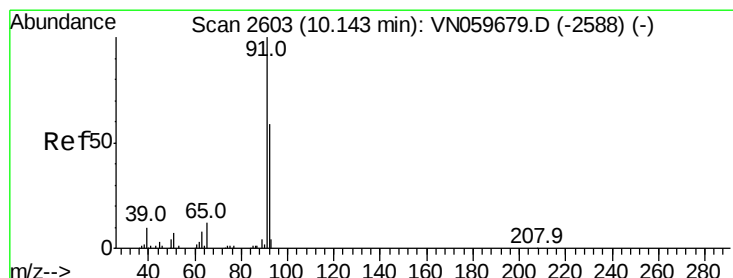
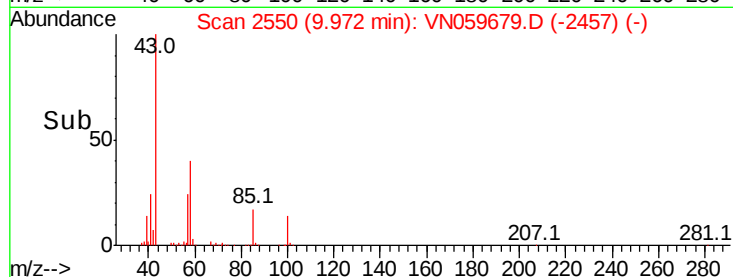
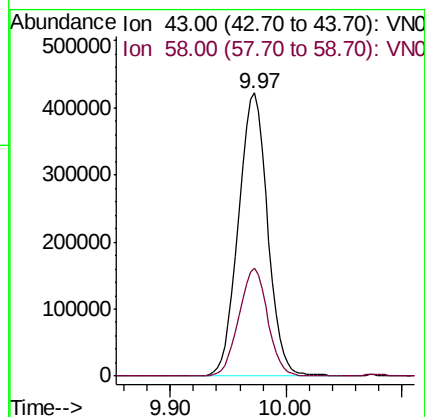
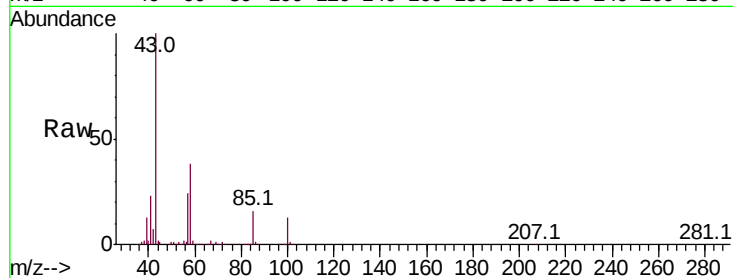
ClientSampleId :

Tot Ion: 43 Resp: 738097

Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1



#52

Toluene

Concen: 41.309 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059679.D

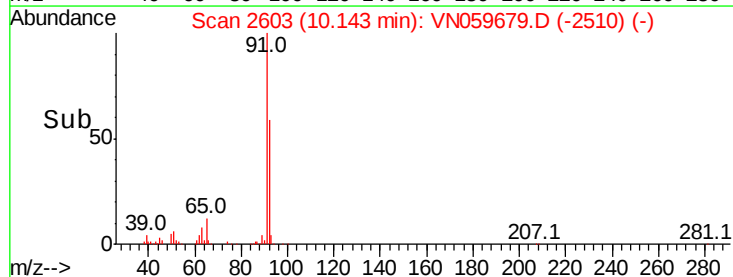
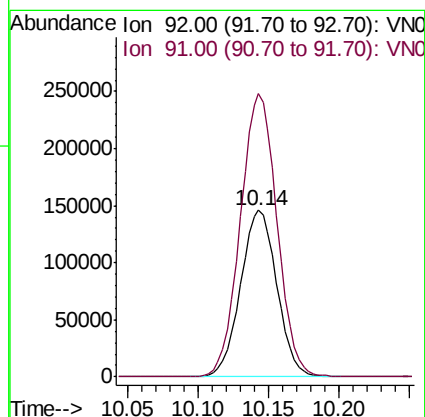
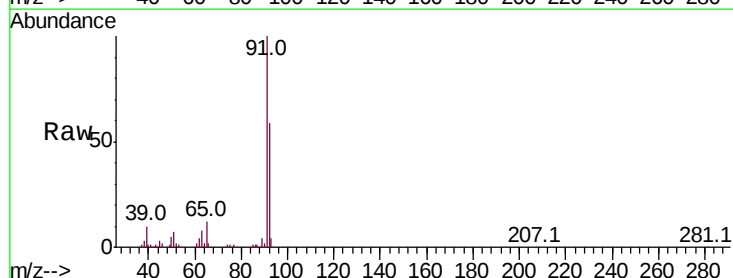
Acq: 20 Dec 2019 14:30

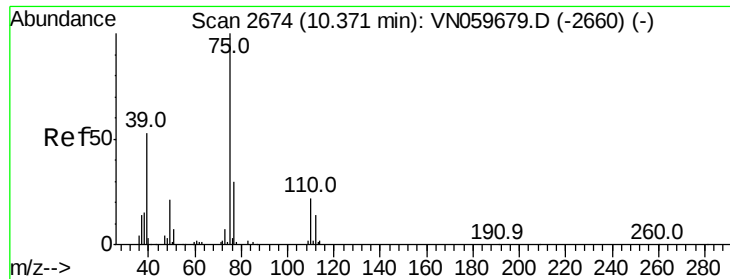
Tgt Ion: 92 Resp: 263431

Ion Ratio Lower Upper

92 100

91 172.3 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 34.142 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

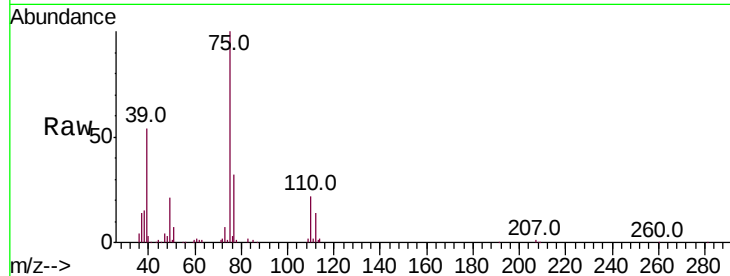
ClientSampleId :

Tot Ion: 75 Resp: 139909

Ion Ratio Lower Upper

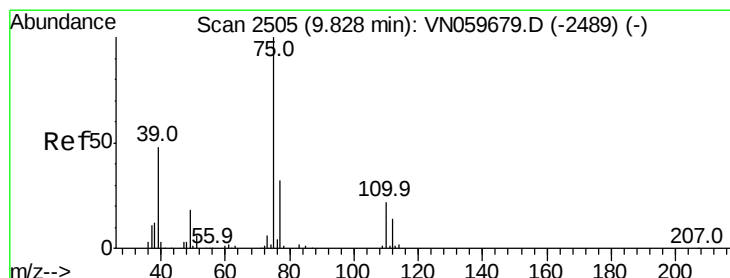
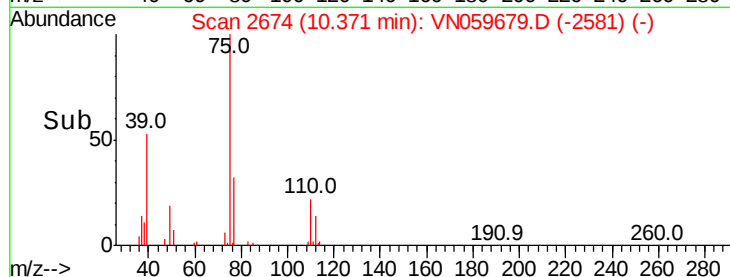
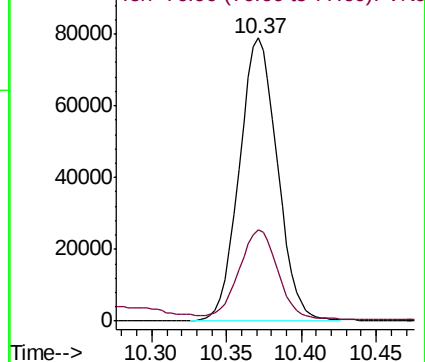
75 100

77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 41.434 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

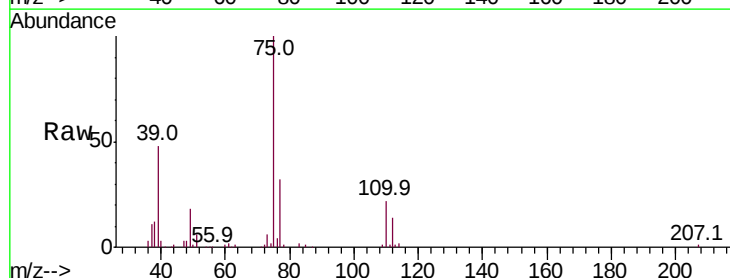
Tgt Ion: 75 Resp: 183461

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

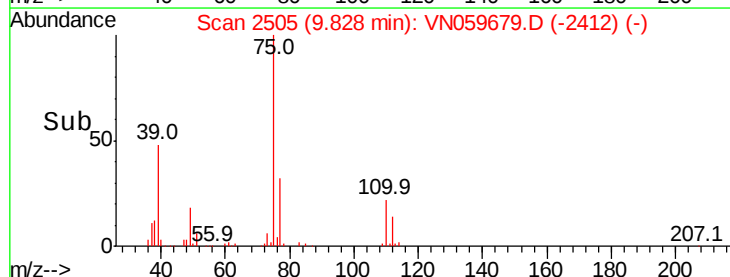
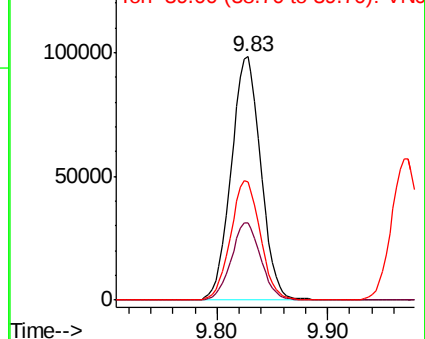
39 48.4 38.7 58.1

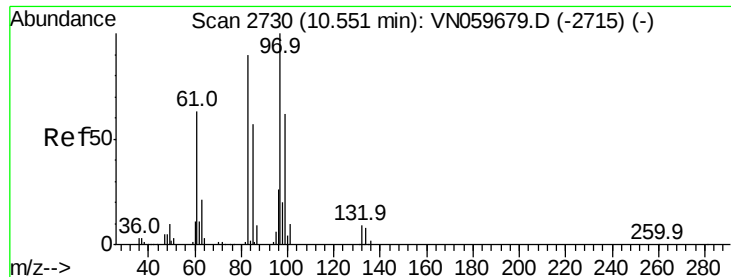


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

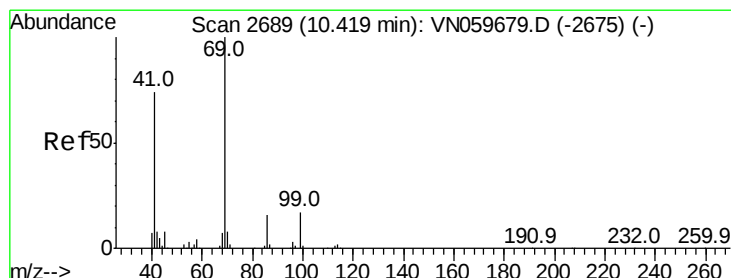
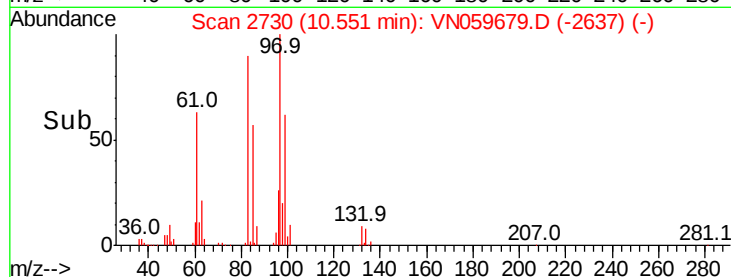
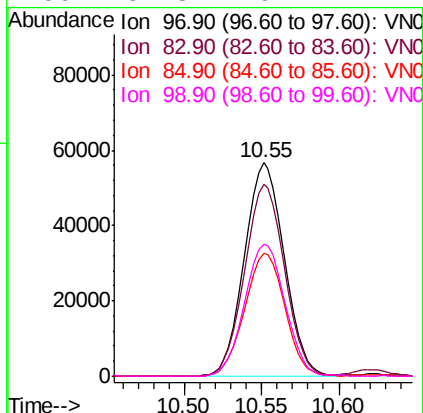
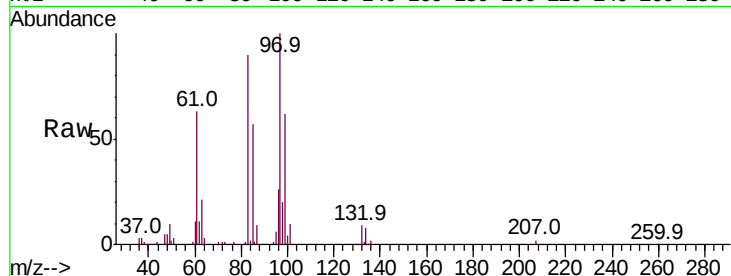




#55
 1,1,2-Trichloroethane
 Concen: 40.941 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

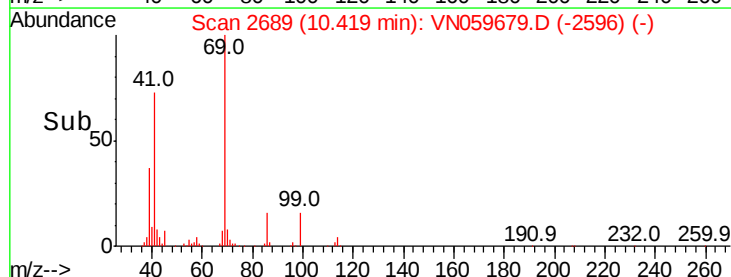
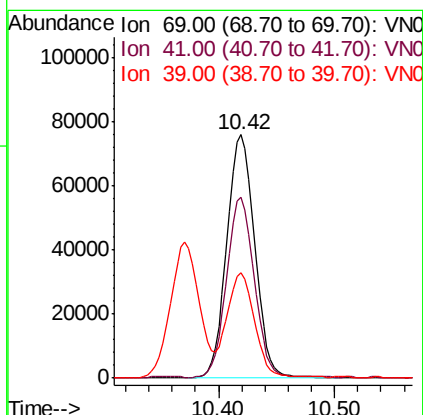
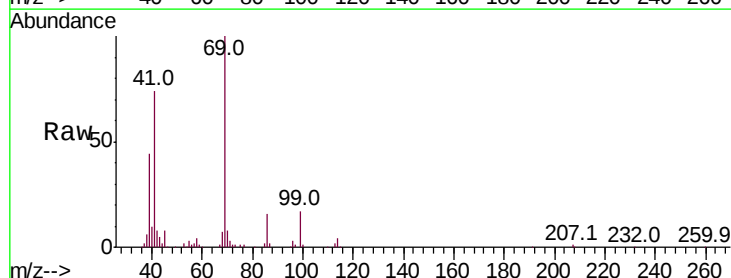
Instrument :
 MSVOA_X
 ClientSampleId :

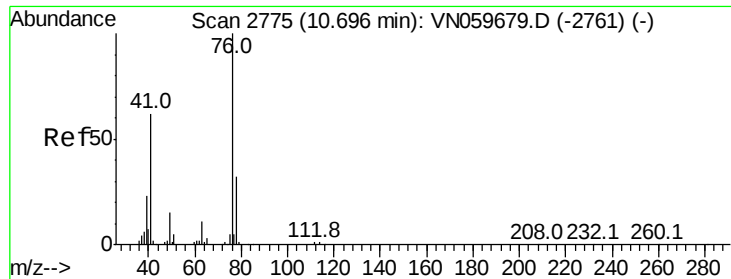
Tot Ion:	97	Resp:	102005
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.9	107.9
85	57.4	45.9	68.9
99	61.8	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 35.353 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Tgt Ion:	69	Resp:	126348
Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	41.9	33.5	50.3





#57

1,3-Dichloropropane

Concen: 41.872 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

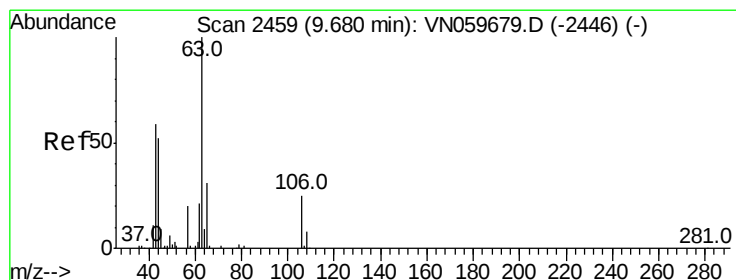
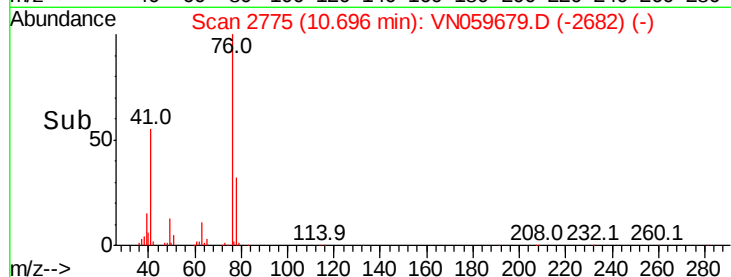
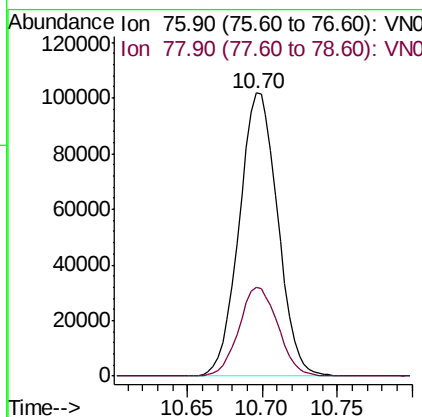
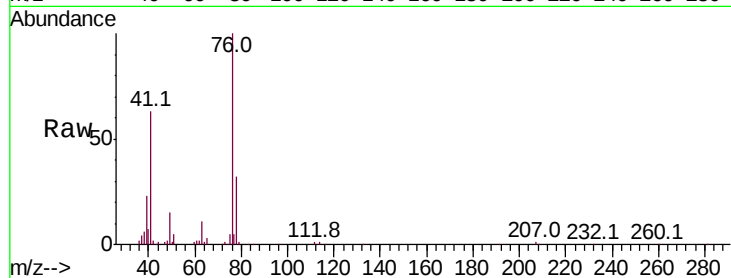
ClientSampled :

Tot Ion: 76 Resp: 182064

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 81.588 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059679.D

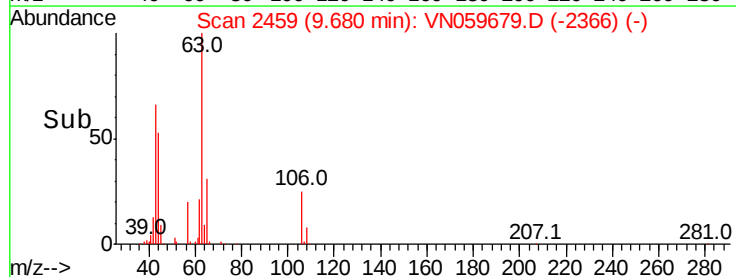
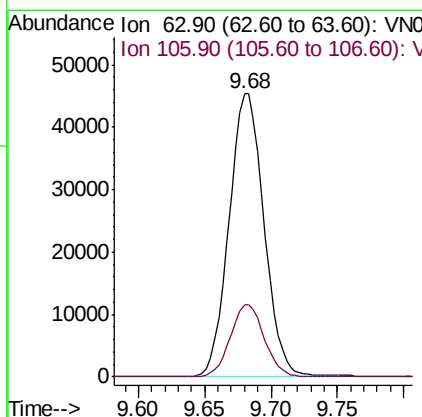
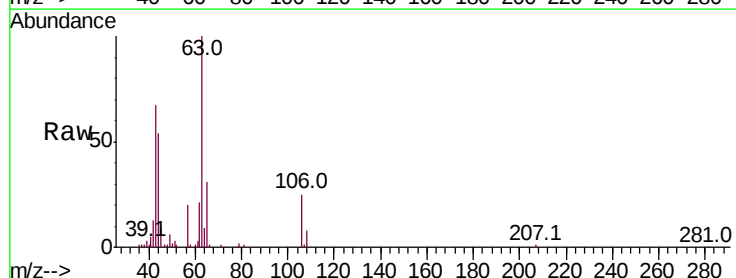
Acq: 20 Dec 2019 14:30

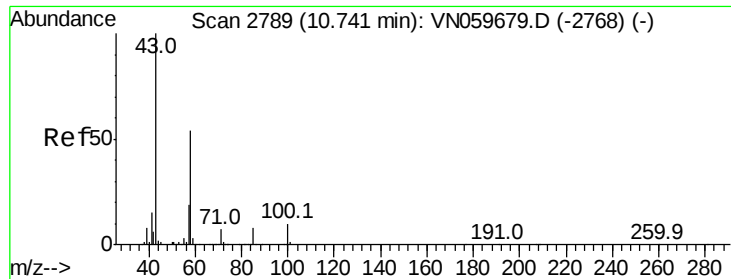
Tgt Ion: 63 Resp: 83084

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5

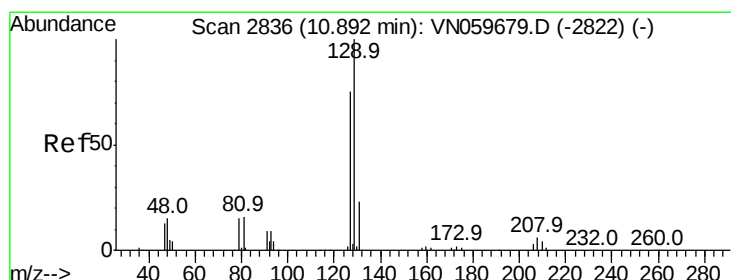
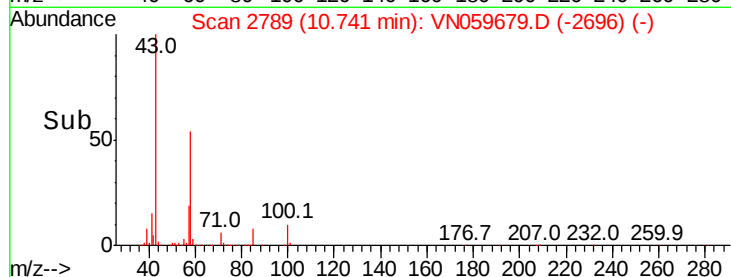
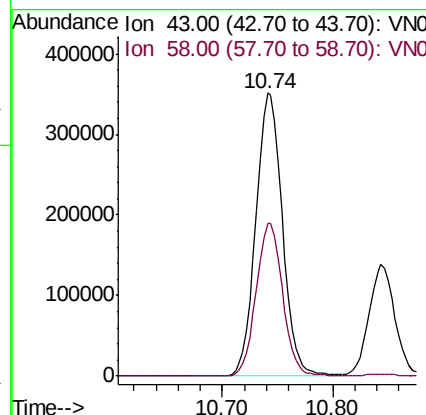
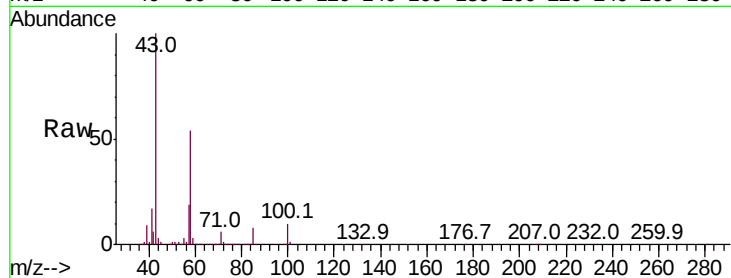




#59
2-Hexanone
Concen: 198.938 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

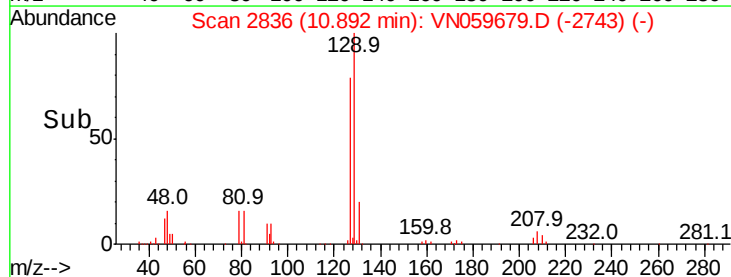
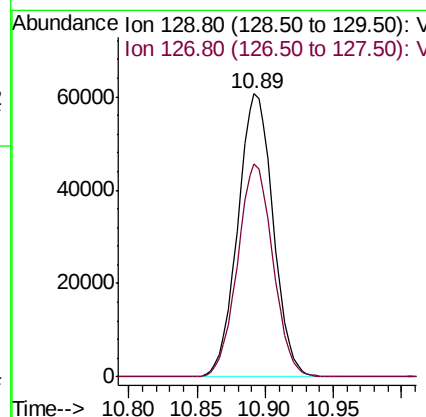
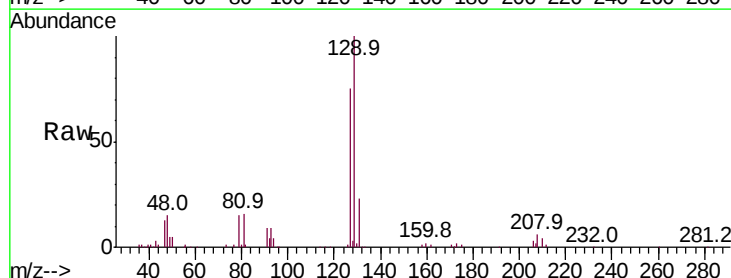
Instrument :
MSVOA_X
ClientSampleId :

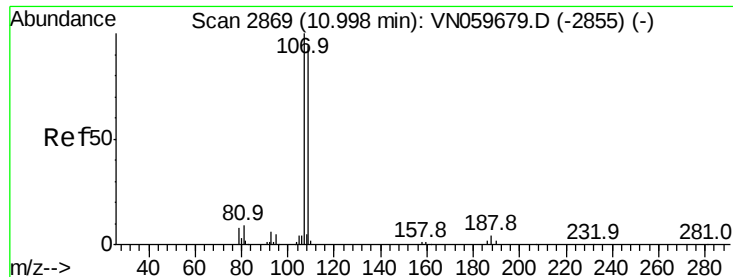
Tot Ion: 43 Resp: 586438
Ion Ratio Lower Upper
43 100
58 54.0 27.0 81.0



#60
Dibromochloromethane
Concen: 40.289 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 129 Resp: 108966
Ion Ratio Lower Upper
129 100
127 75.4 37.7 113.1

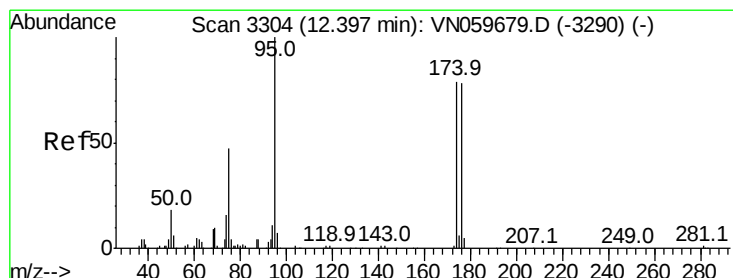
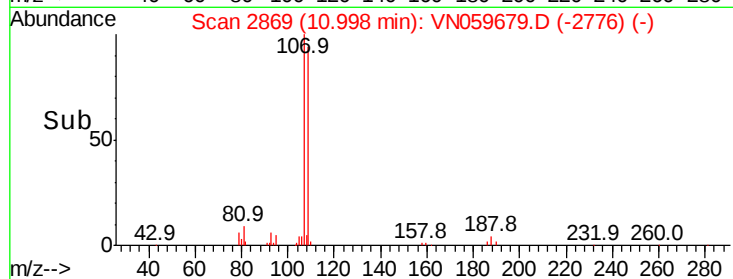
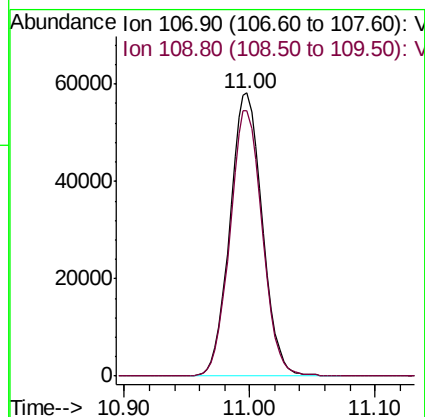
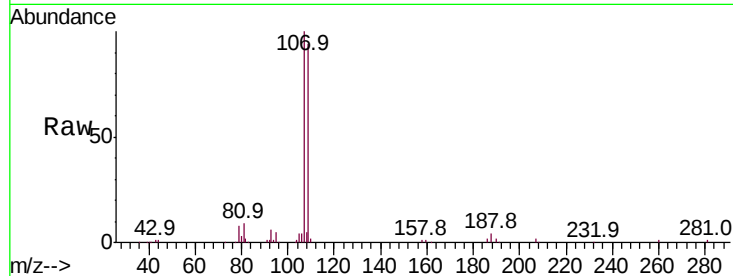




#61
 1,2-Dibromoethane
 Concen: 39.549 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

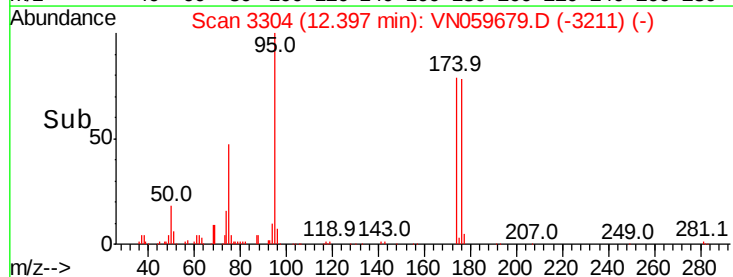
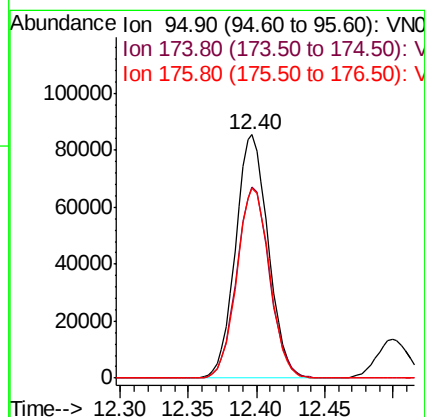
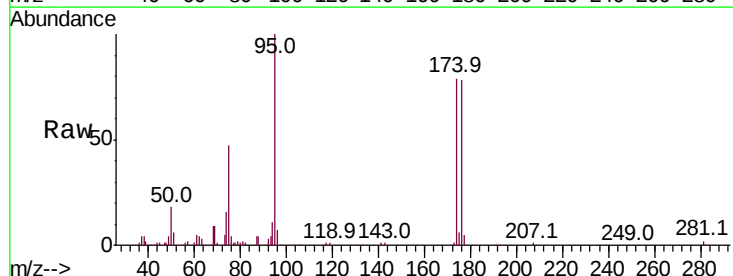
Instrument :
 MSVOA_X
 ClientSampleId :

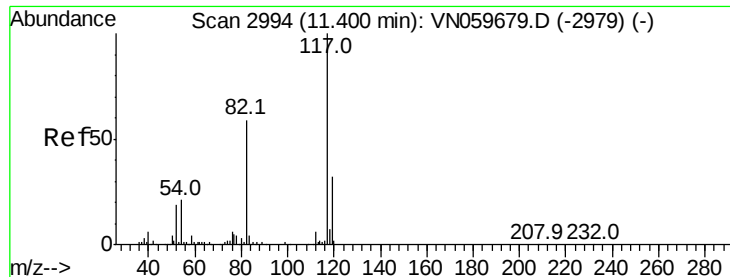
Tot Ion: 107 Resp: 104190
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.063 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Tgt Ion: 95 Resp: 142573
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 157.4
 176 77.9 0.0 155.8

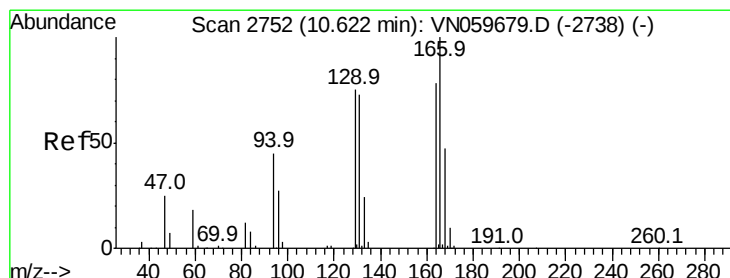
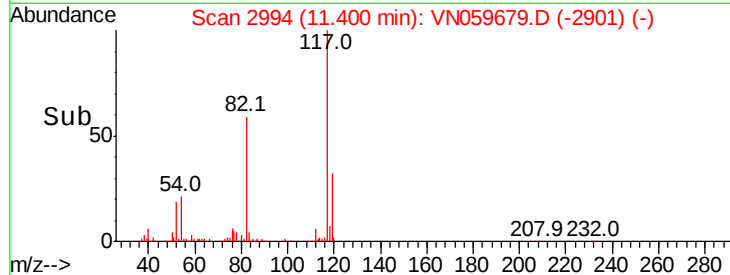
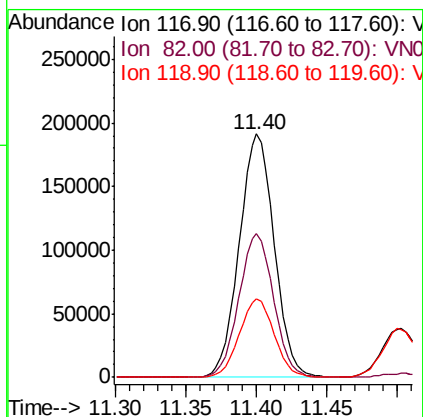
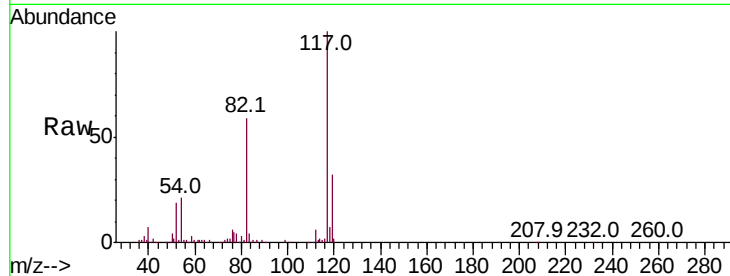




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

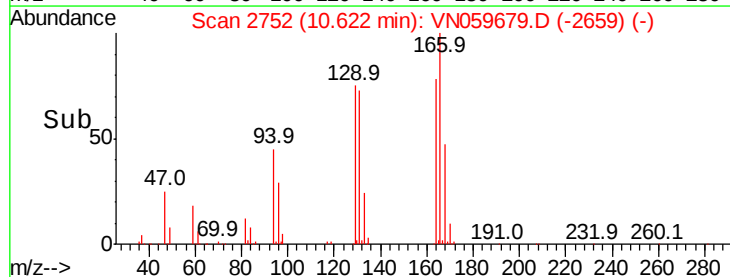
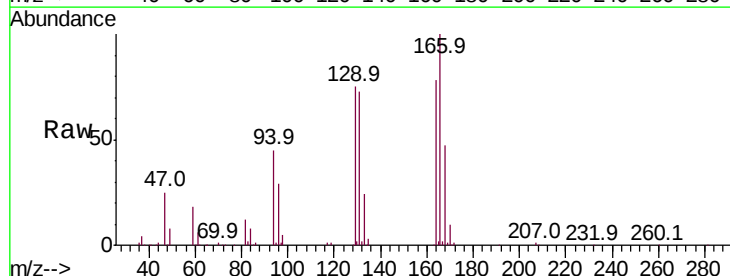
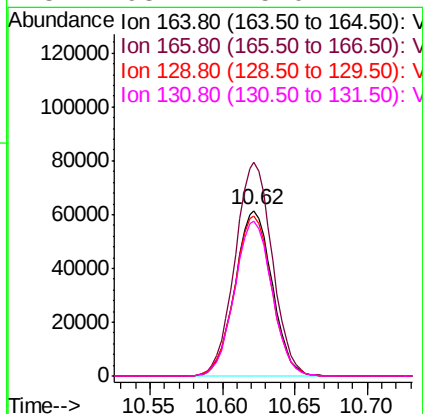
Instrument :
MSVOA_X
ClientSampled :

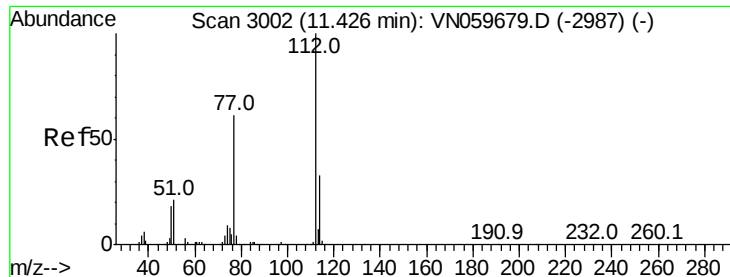
Tot Ion:117 Resp: 333094
Ion Ratio Lower Upper
117 100
82 58.8 47.0 70.6
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 36.476 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion:164 Resp: 109379
Ion Ratio Lower Upper
164 100
166 128.9 103.1 154.7
129 96.8 77.4 116.2
131 93.7 75.0 112.4





#65

Chlorobenzene

Concen: 38.883 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

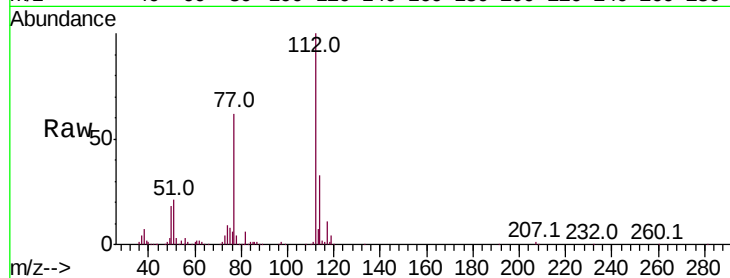
ClientSampleId :

Tot Ion:112 Resp: 270523

Ion Ratio Lower Upper

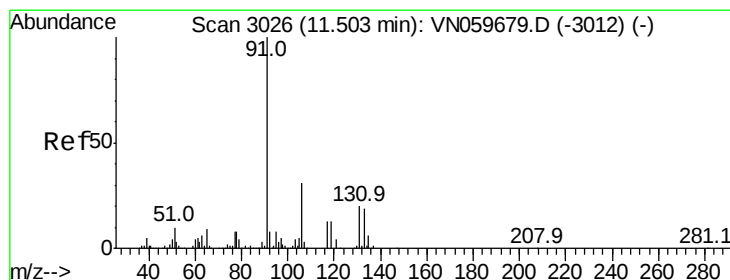
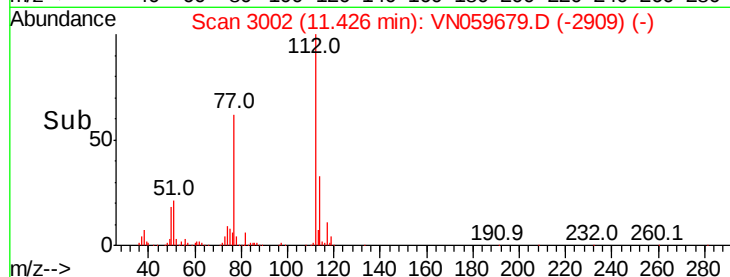
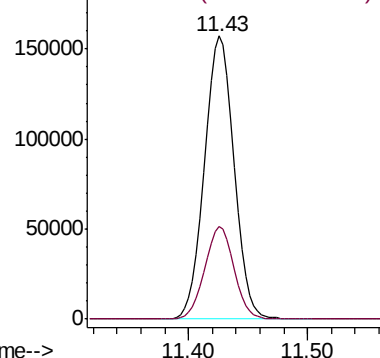
112 100

114 32.6 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 37.641 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

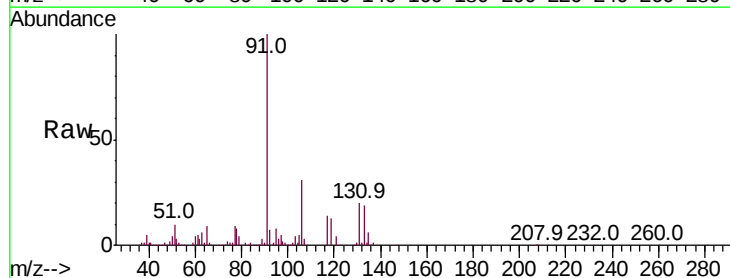
Tgt Ion:131 Resp: 98874

Ion Ratio Lower Upper

131 100

133 94.4 47.2 141.6

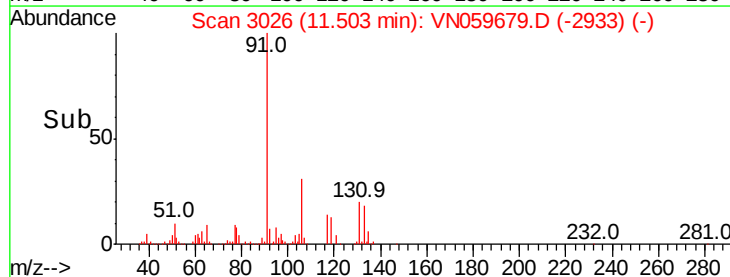
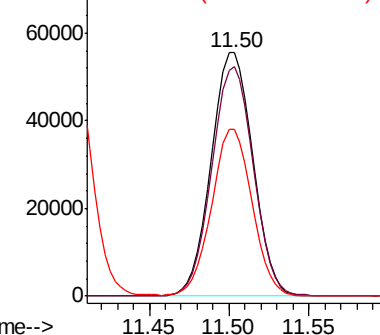
119 66.7 33.4 100.1

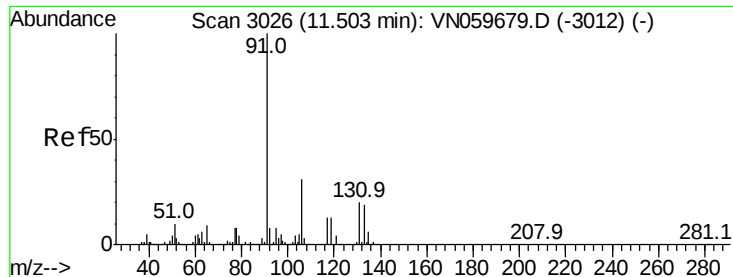


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 38.598 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

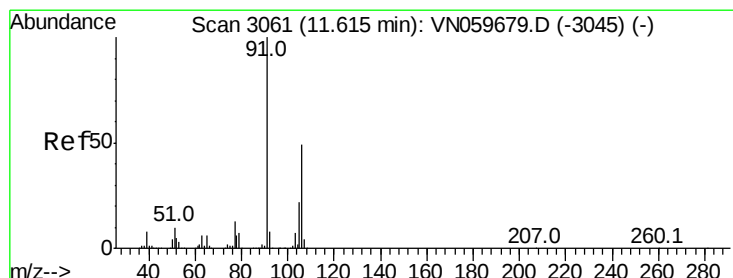
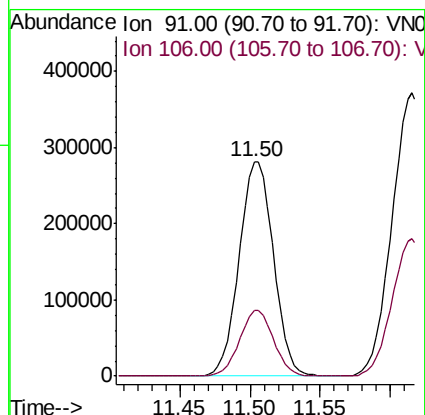
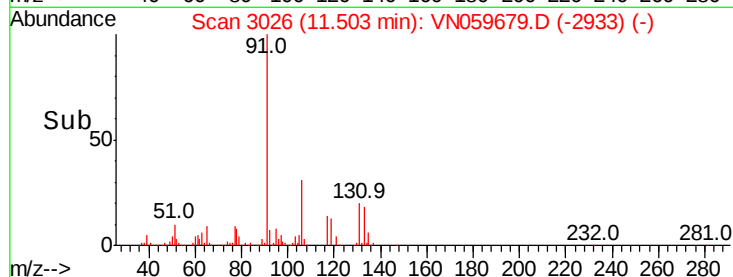
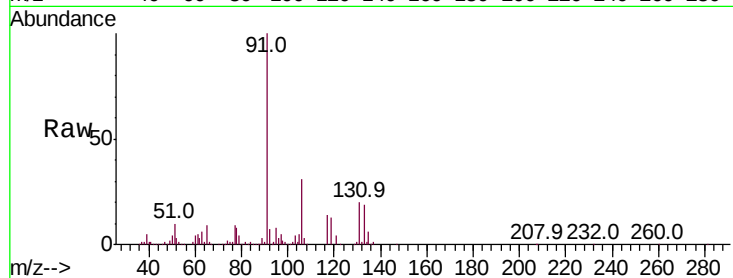
ClientSampled :

Tot Ion: 91 Resp: 481777

Ion Ratio Lower Upper

91 100

106 30.6 24.5 36.7



#68

m/p-Xylenes

Concen: 75.687 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059679.D

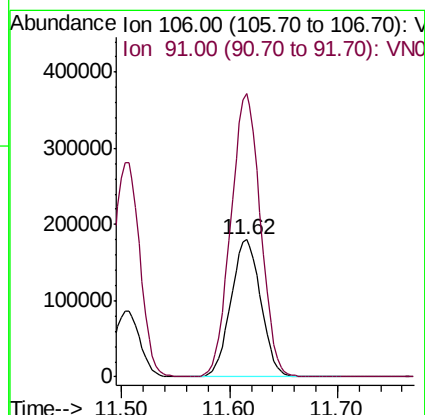
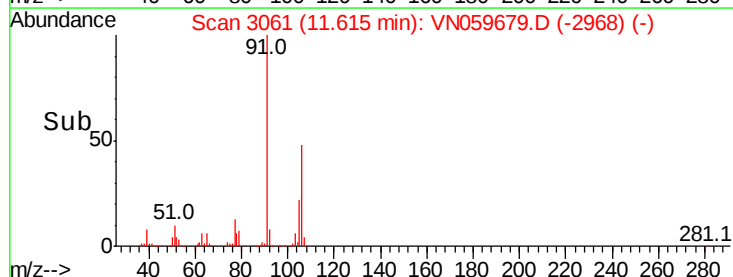
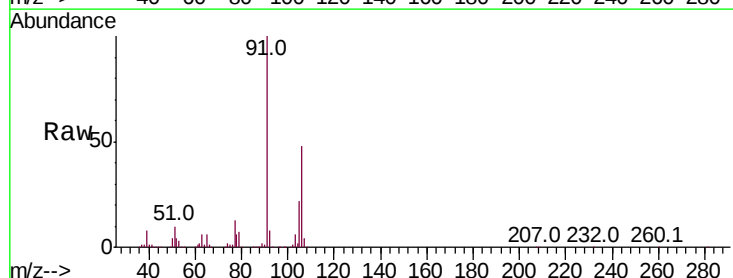
Acq: 20 Dec 2019 14:30

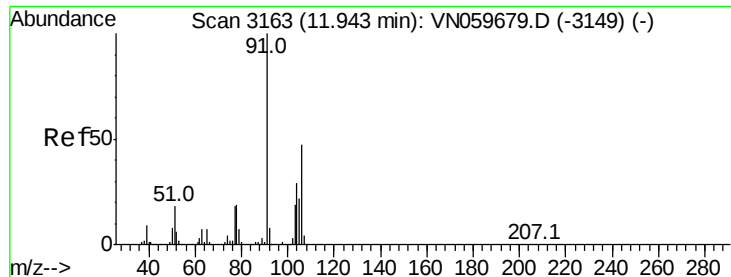
Tgt Ion: 106 Resp: 348027

Ion Ratio Lower Upper

106 100

91 204.3 163.4 245.2

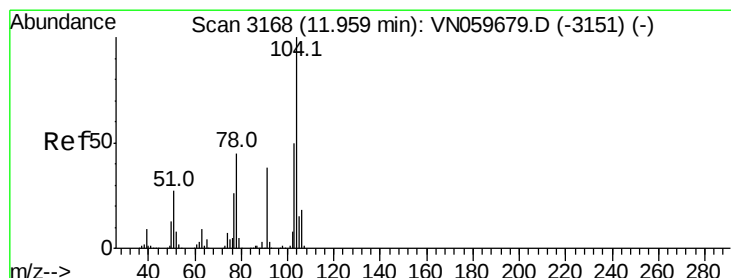
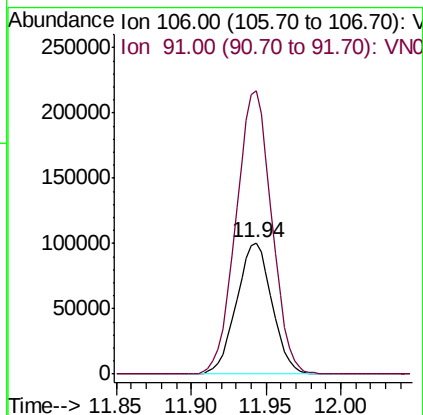
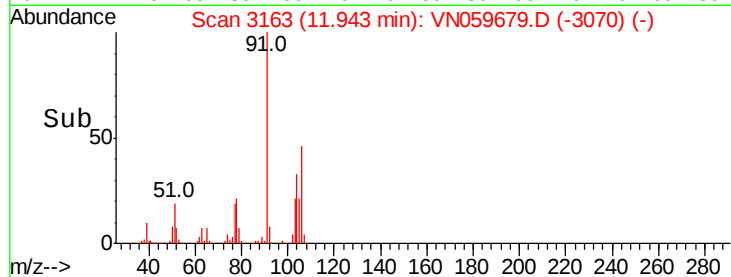
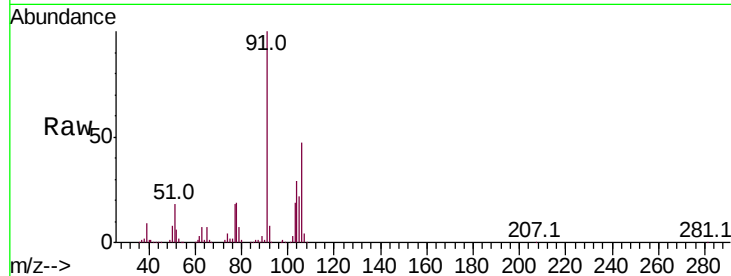




#69
o-Xylene
Concen: 37.950 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

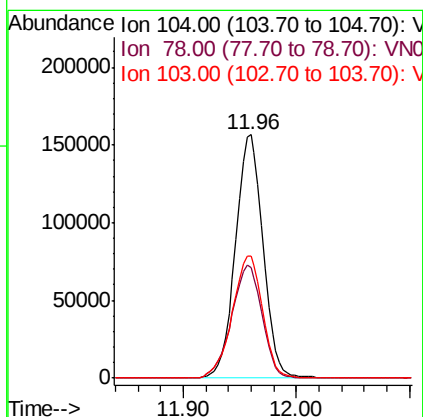
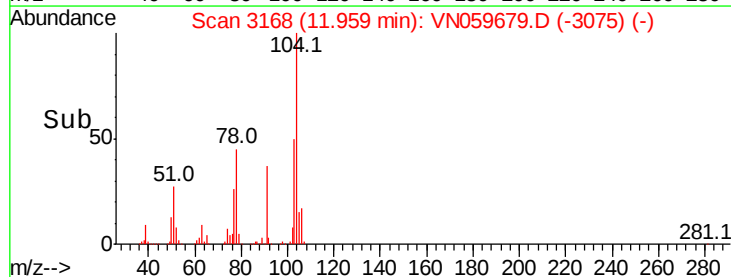
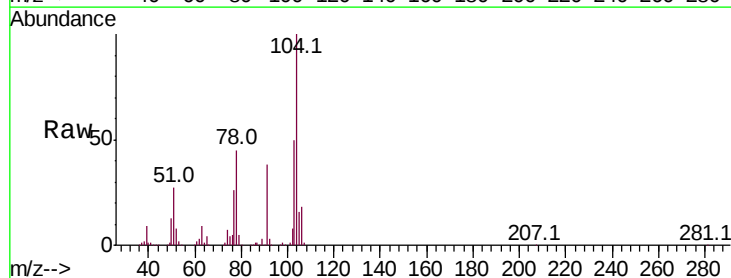
Instrument :
MSVOA_X
ClientSampleId :

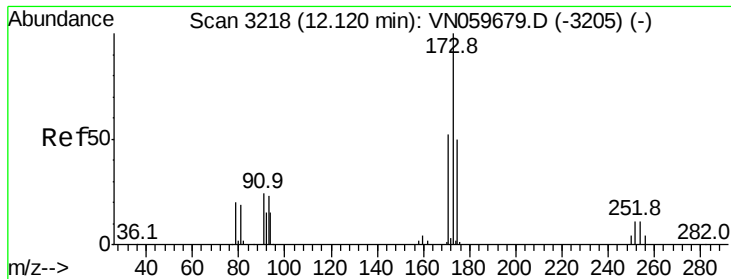
Tot Ion:106 Resp: 165853
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5



#70
Styrene
Concen: 38.149 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion:104 Resp: 266499
Ion Ratio Lower Upper
104 100
78 51.1 40.9 61.3
103 55.2 44.2 66.2





#71

Bromoform

Concen: 38.026 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

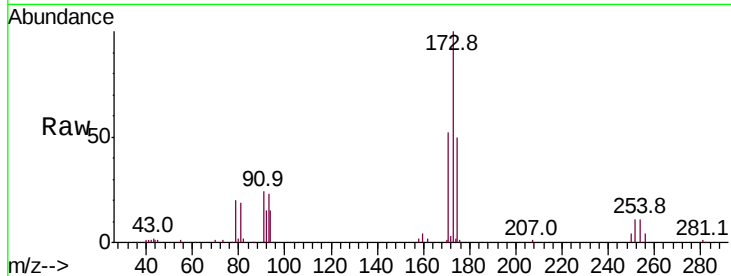
Tot Ion:173 Resp: 74396

Ion Ratio Lower Upper

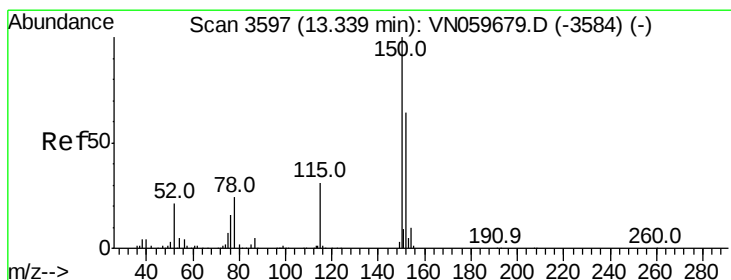
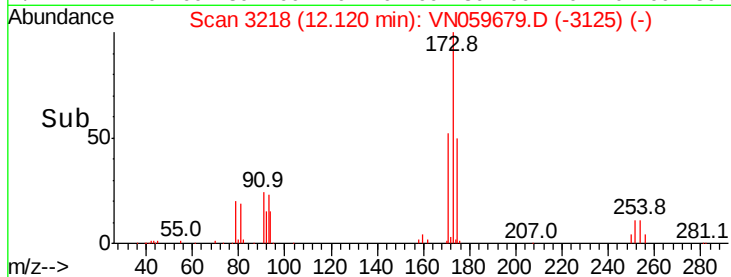
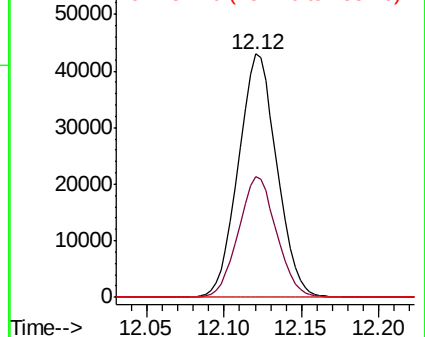
173 100

175 48.9 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

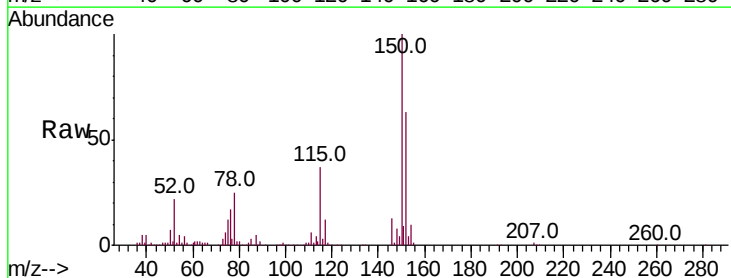
Tgt Ion:152 Resp: 162371

Ion Ratio Lower Upper

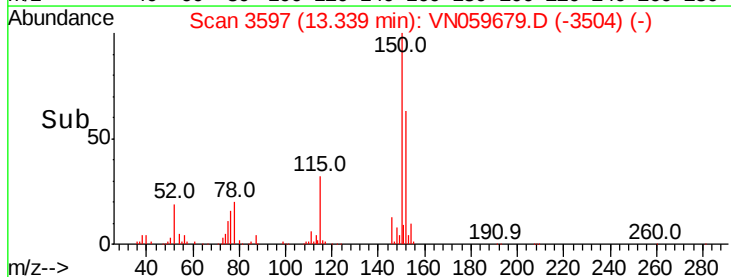
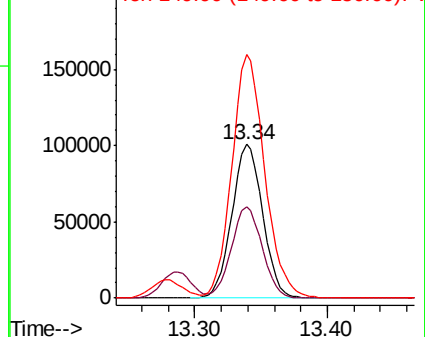
152 100

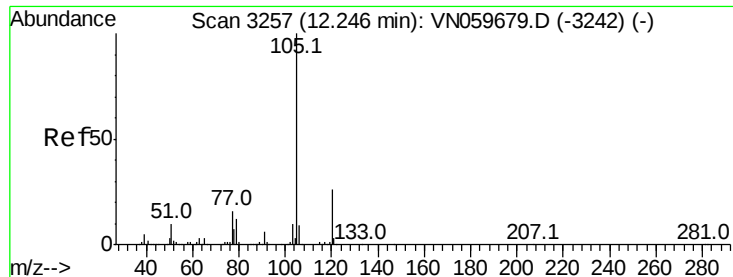
115 59.9 29.9 89.8

150 169.5 0.0 339.0



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: 36.590 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

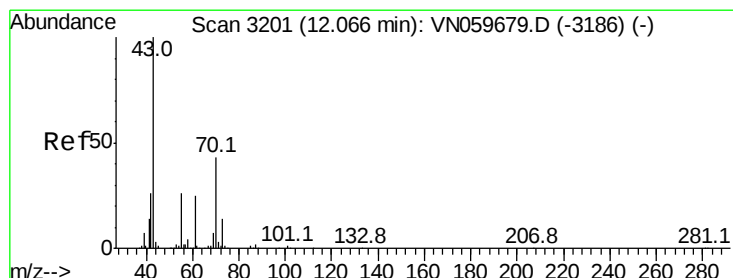
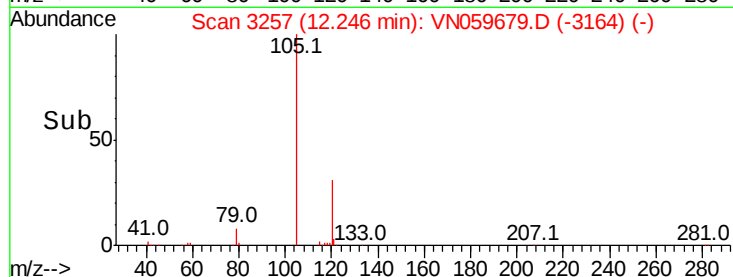
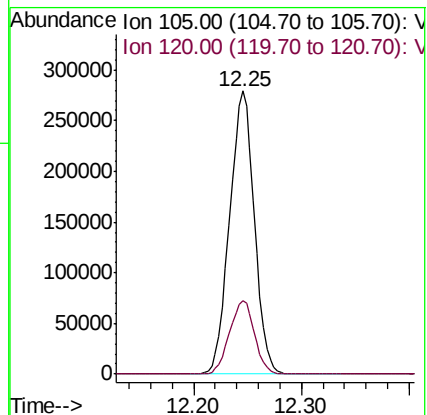
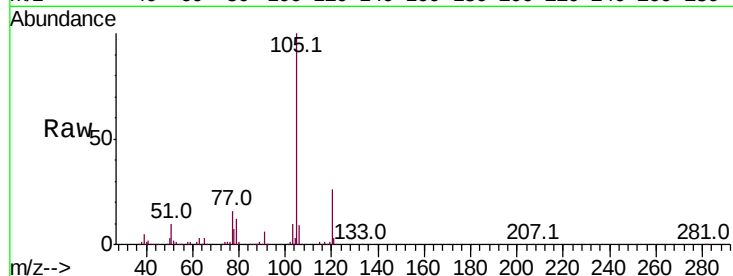
ClientSampleId :

Tot Ion:105 Resp: 445880

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 34.150 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Tgt Ion: 43 Resp: 187556

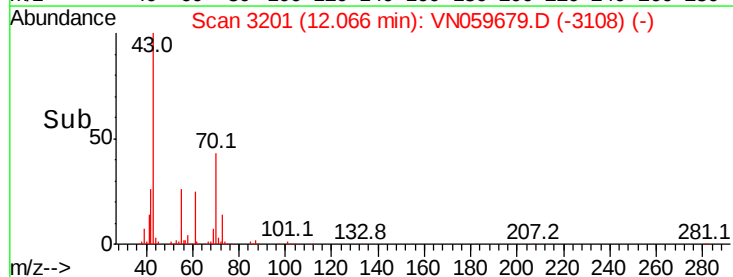
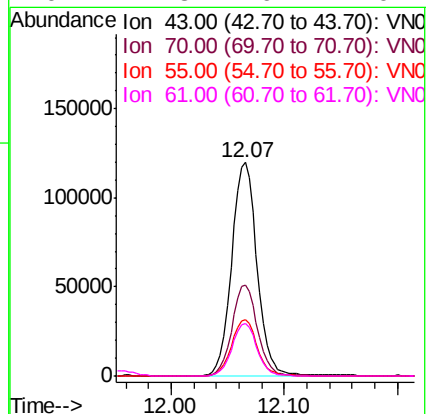
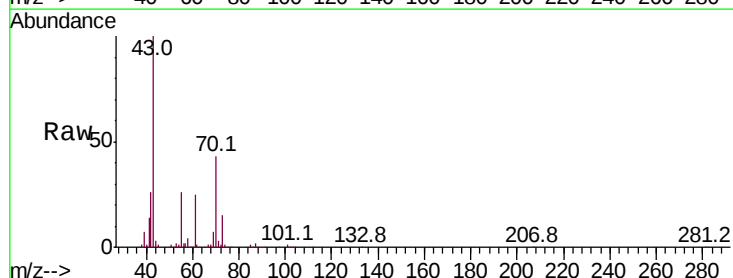
Ion Ratio Lower Upper

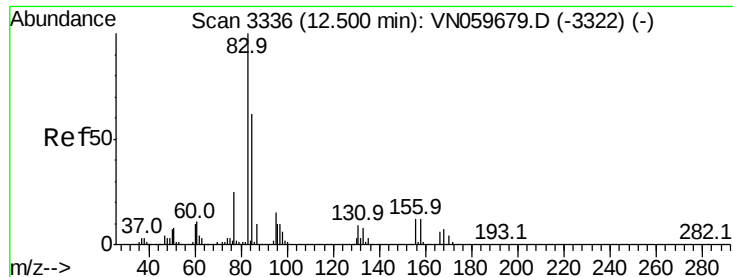
43 100

70 42.7 34.2 51.2

55 26.6 21.3 31.9

61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 37.400 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

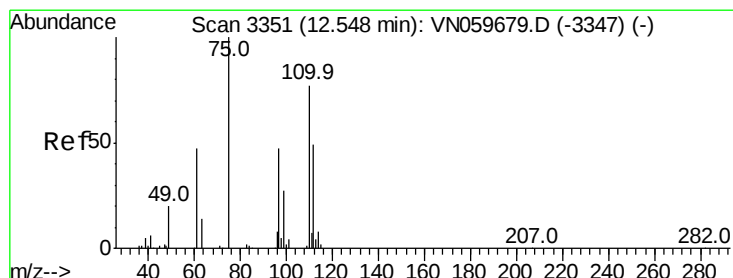
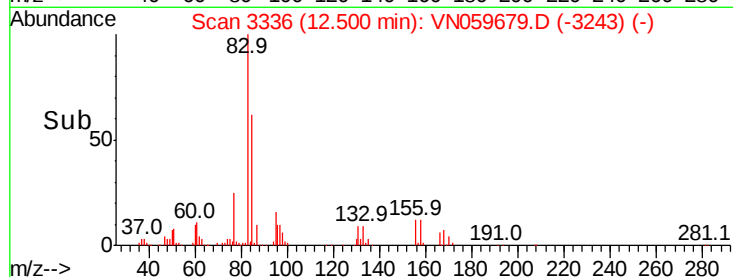
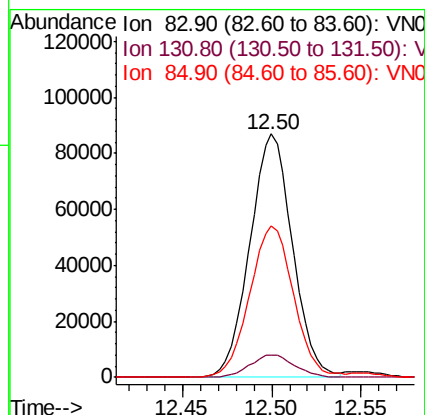
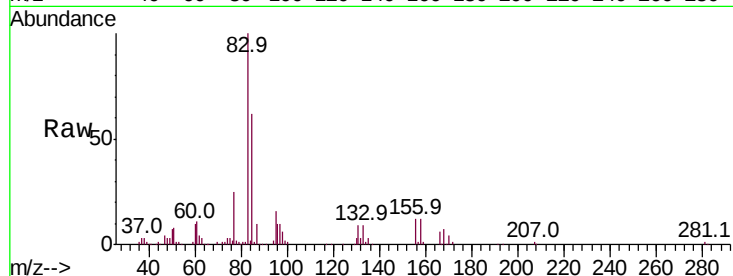
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 83 Resp: 145058

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.1	32.0	96.2



#76

1,2,3-Trichloropropane

Concen: 54.069 ug/l

RT: 12.55 min Scan# 3351

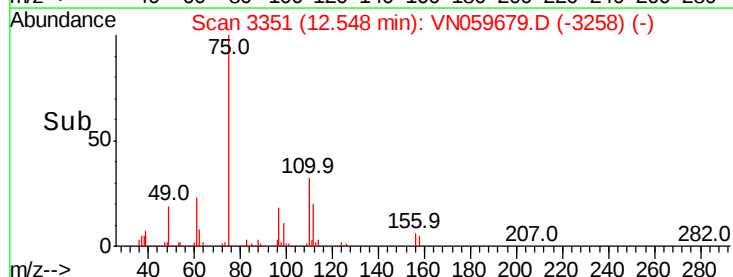
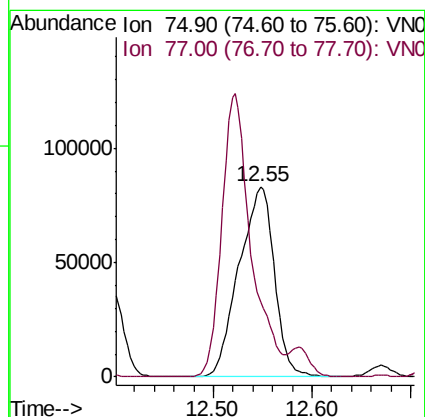
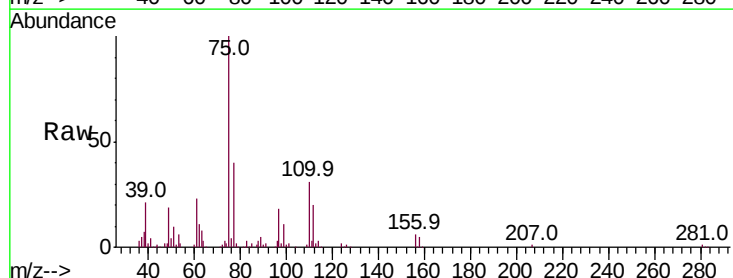
Delta R.T. 0.00 min

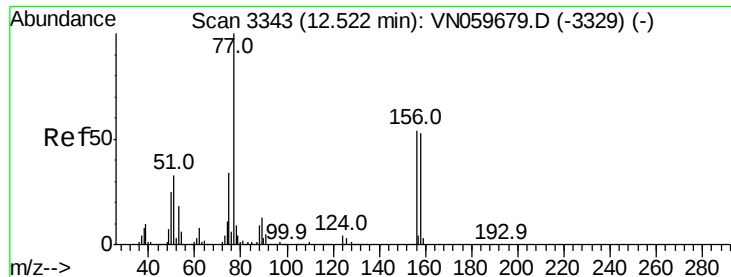
Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Tgt Ion: 75 Resp: 206814

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 37.912 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

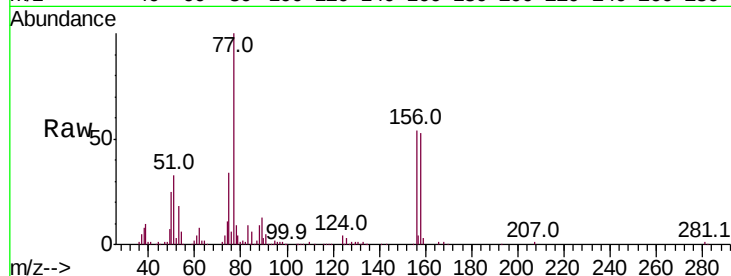
ClientSampleId :

Tot Ion:156 Resp: 114977

Ion	Ratio	Lower	Upper
156	100		
77	225.7	112.9	338.6
158	97.9	48.9	146.8

77 225.7 112.9 338.6

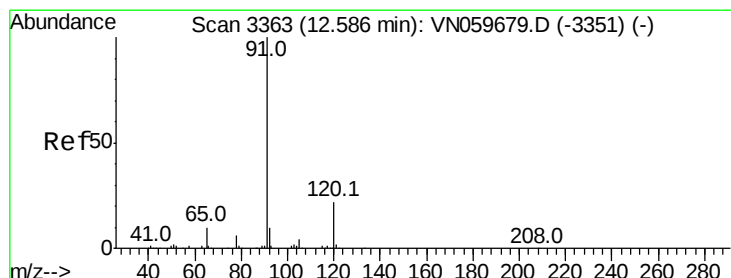
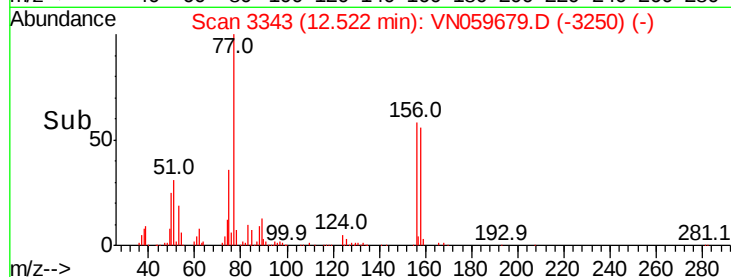
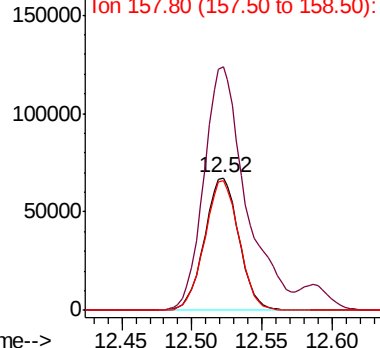
158 97.9 48.9 146.8



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: 36.147 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059679.D

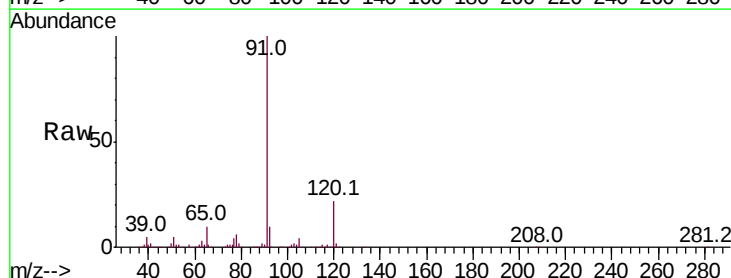
Acq: 20 Dec 2019 14:30

Tgt Ion: 91 Resp: 518975

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3

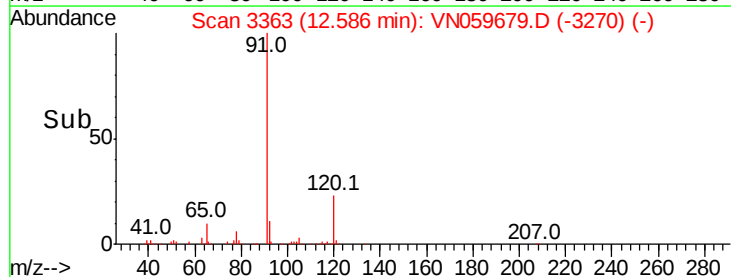
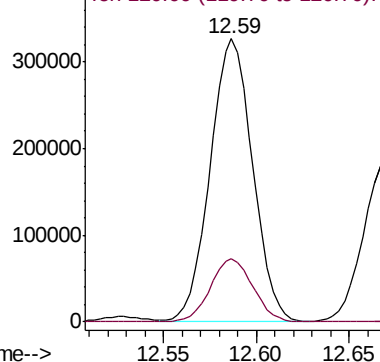
91 100

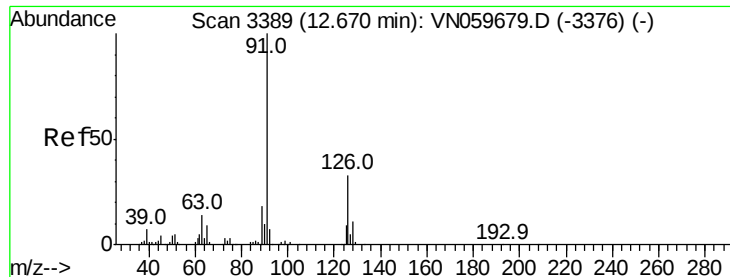
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 35.866 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

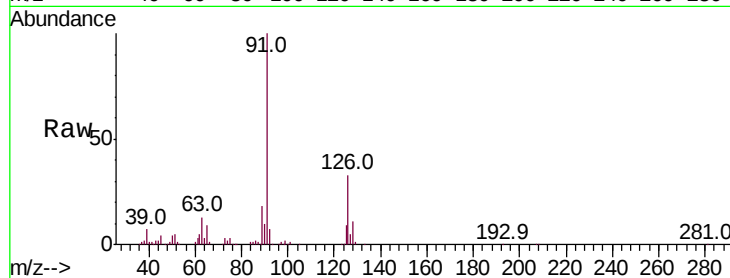
ClientSampleId :

Tot Ion: 91 Resp: 312745

Ion Ratio Lower Upper

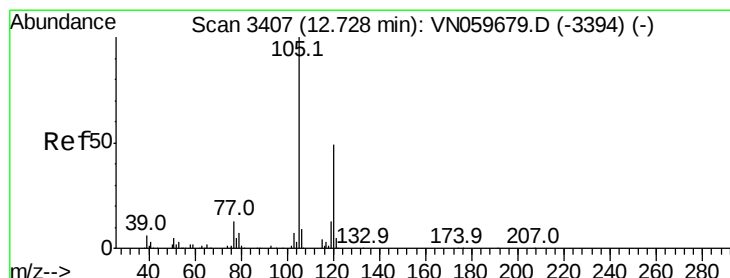
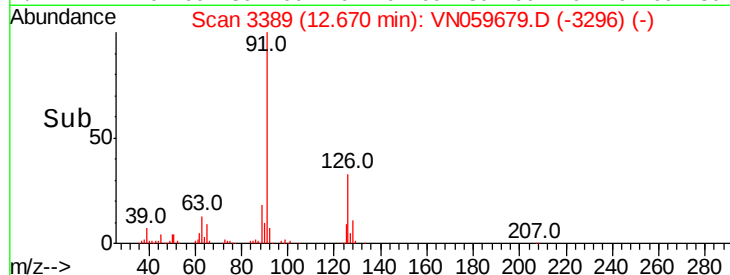
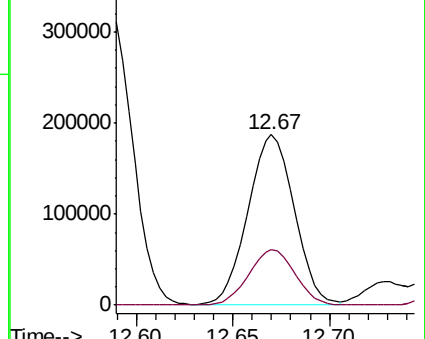
91 100

126 32.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN059679.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059679.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 38.231 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059679.D

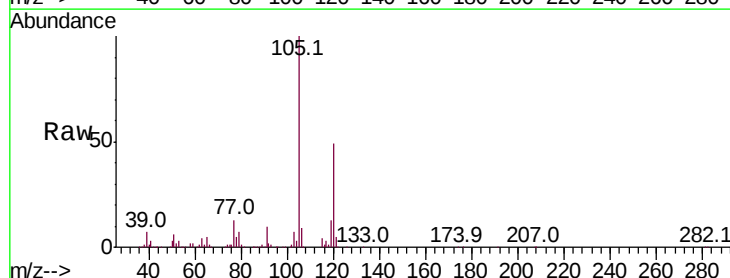
Acq: 20 Dec 2019 14:30

Tgt Ion: 105 Resp: 396570

Ion Ratio Lower Upper

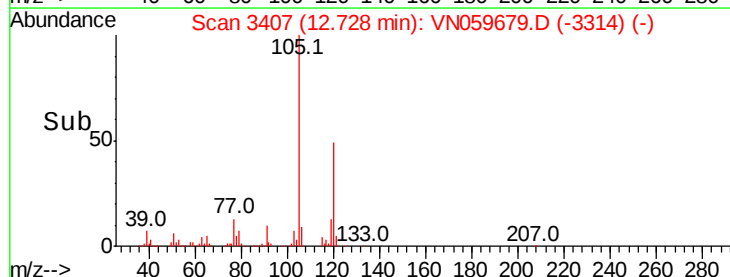
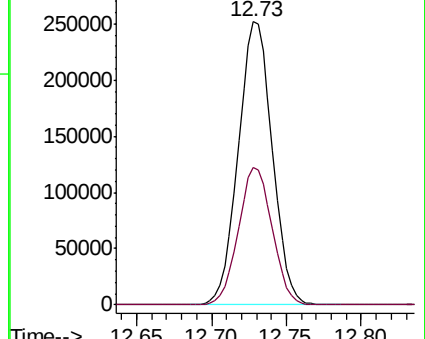
105 100

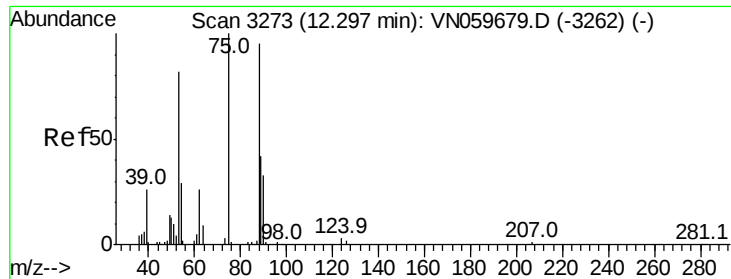
120 48.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN059679.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059679.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 35.673 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

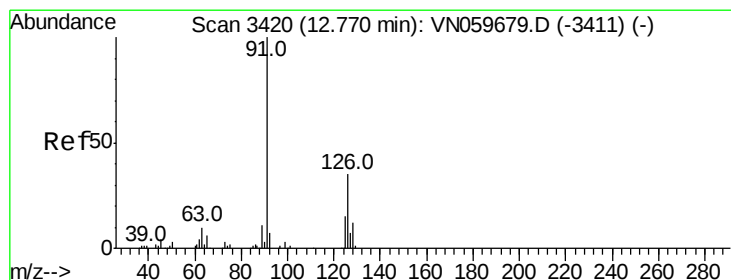
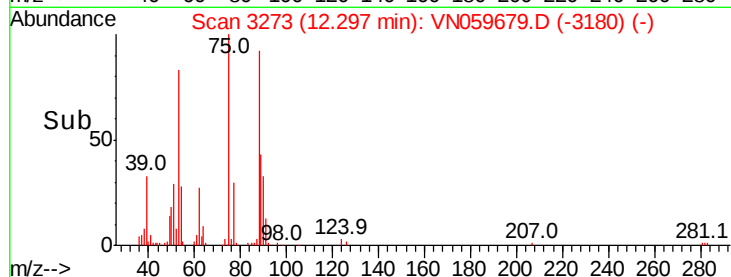
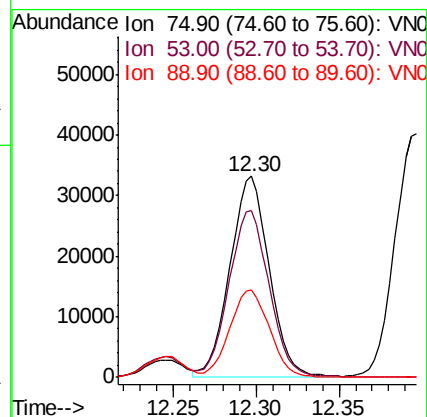
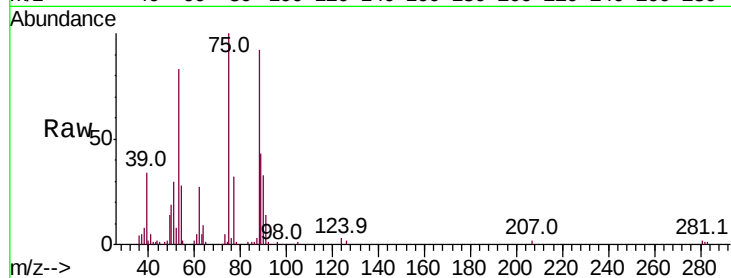
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 54838

Ion	Ratio	Lower	Upper
75	100		
53	84.8	67.8	101.8
89	43.5	34.8	52.2



#82

4-Chlorotoluene

Concen: 35.845 ug/l

RT: 12.77 min Scan# 3420

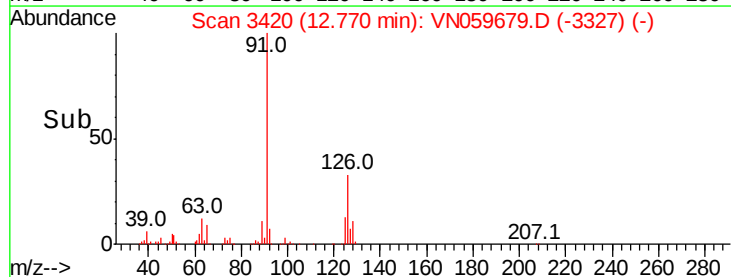
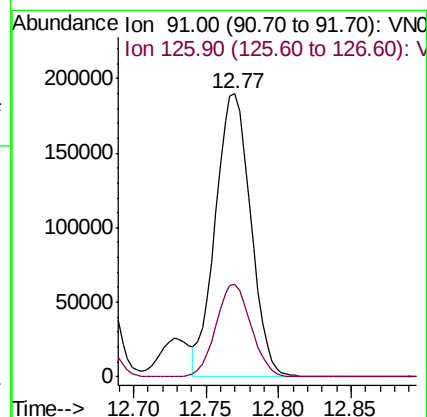
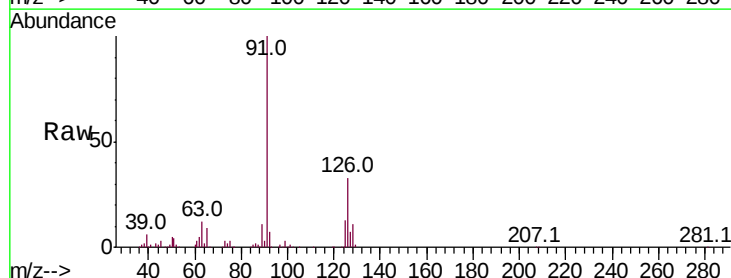
Delta R.T. 0.00 min

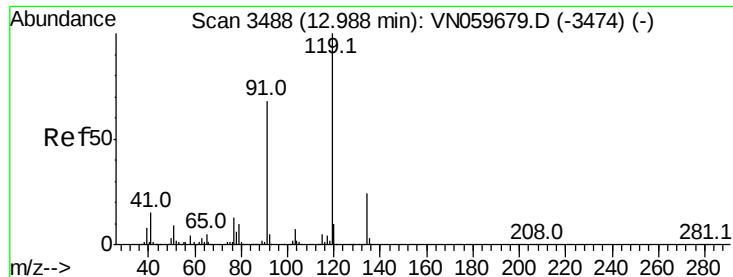
Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Tgt Ion: 91 Resp: 319443

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

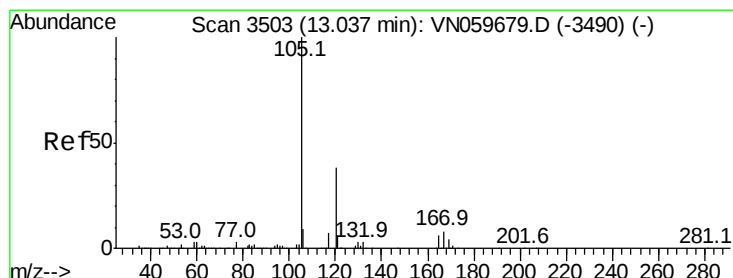
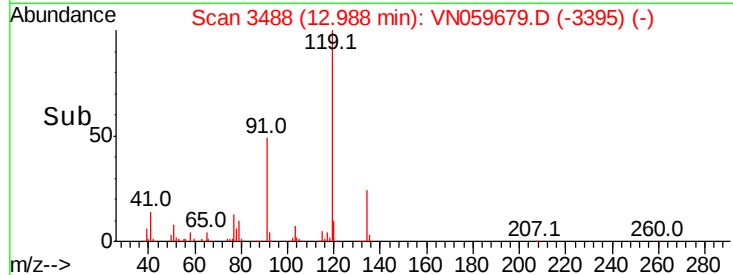
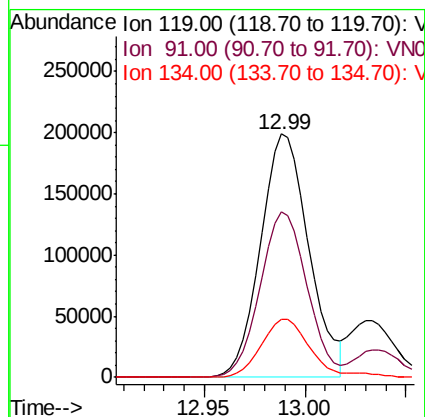
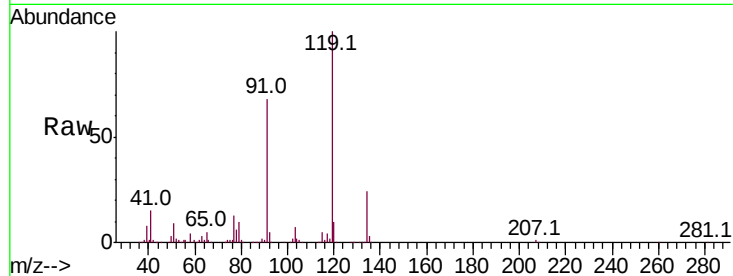




#83
 tert-Butylbenzene
 Concen: 37.753 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

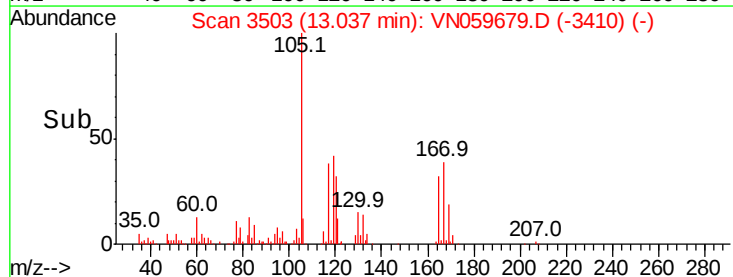
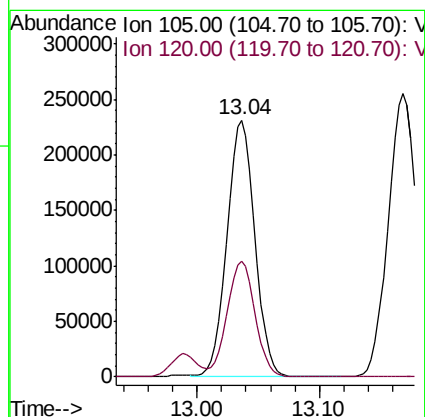
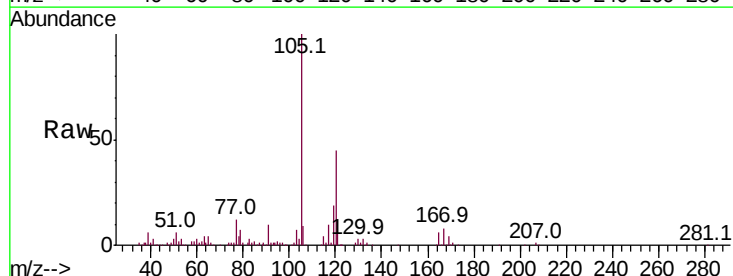
Instrument :
 MSVOA_X
 ClientSampled :

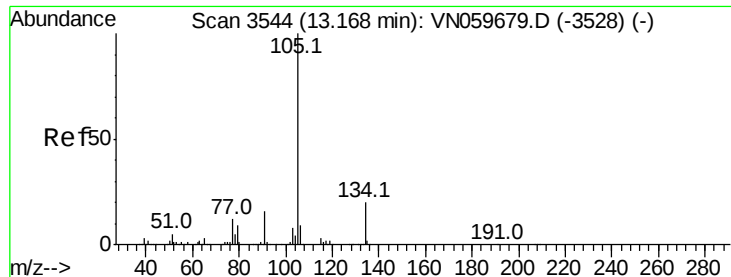
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	33.0	99.0
134	24.8	12.4	37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 36.174 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059679.D
 Acq: 20 Dec 2019 14:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85

sec-Butylbenzene

Concen: 36.071 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

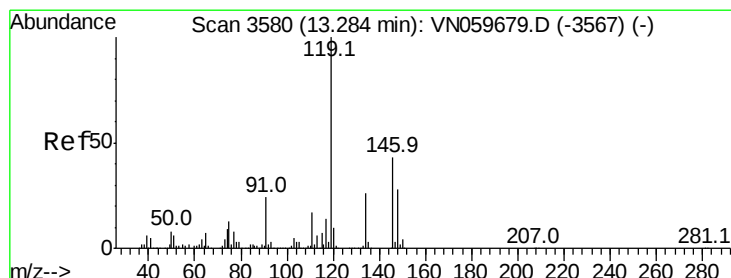
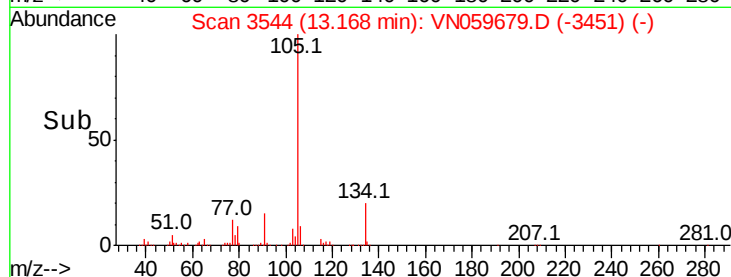
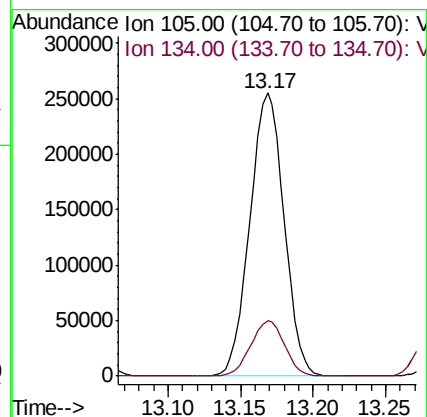
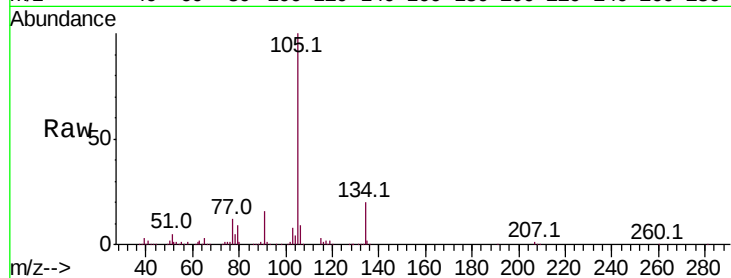
ClientSampleId :

Tot Ion:105 Resp: 417495

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 36.269 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

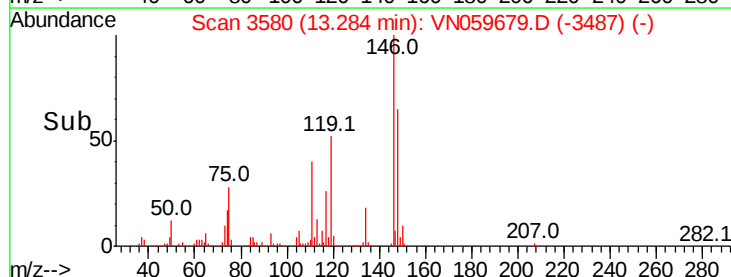
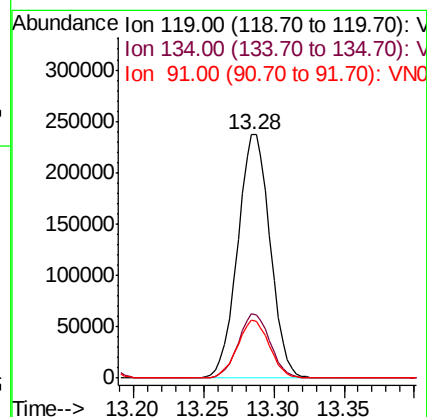
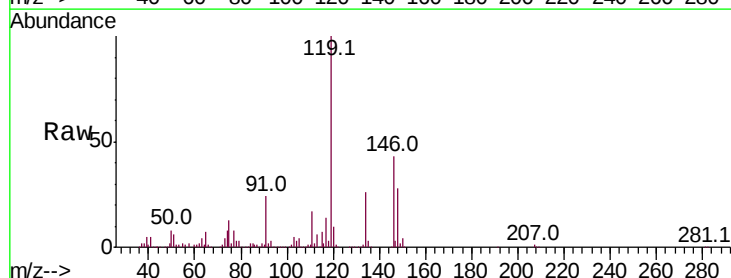
Tgt Ion:119 Resp: 380189

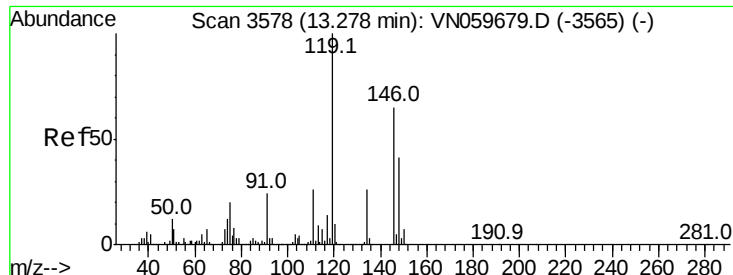
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.5 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 34.598 ug/l

RT: 13.28 min Scan# 3578

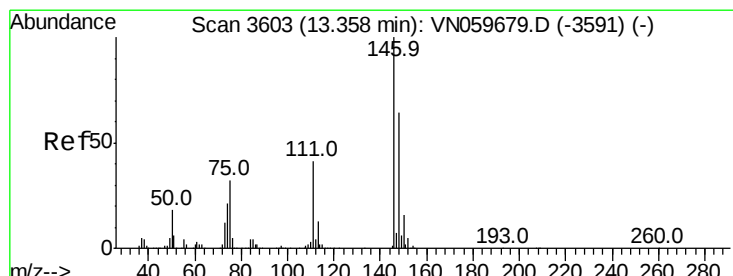
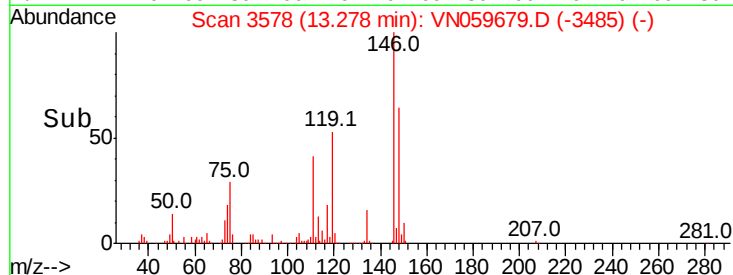
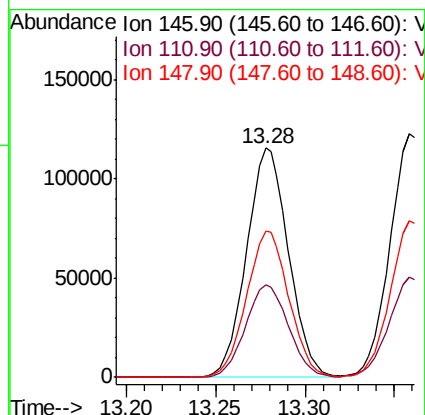
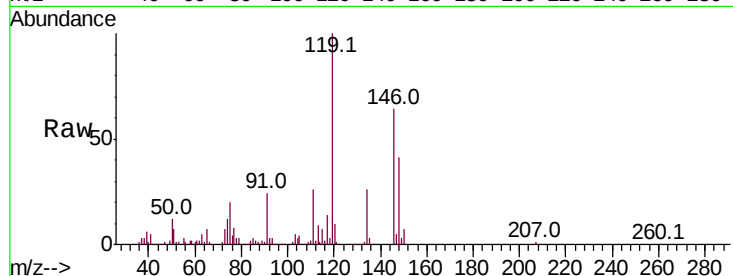
Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	64.2	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 36.099 ug/l

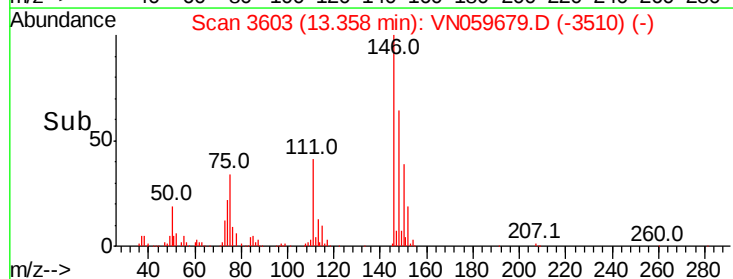
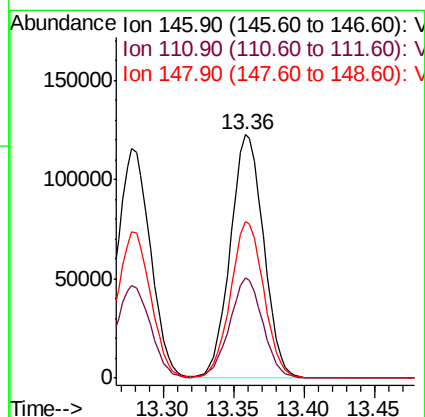
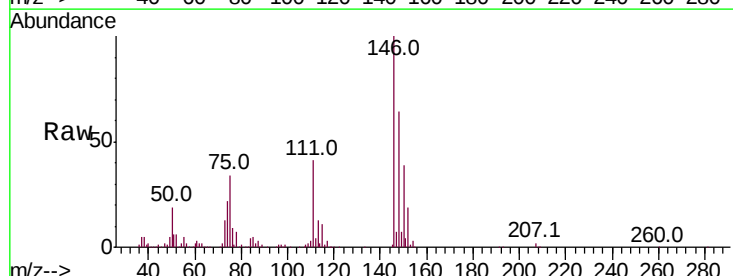
RT: 13.36 min Scan# 3603

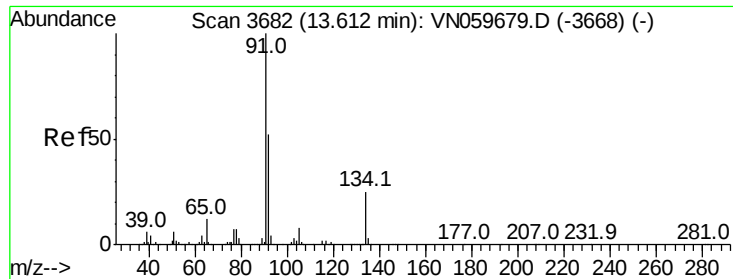
Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	64.6	32.3	96.9

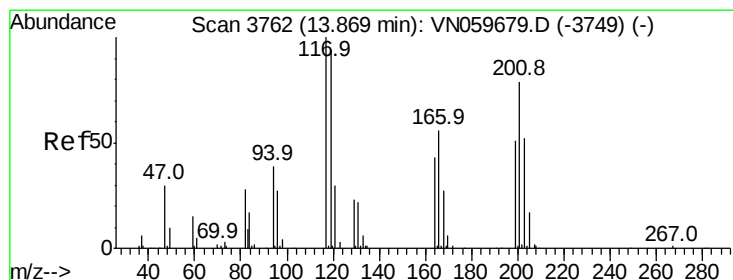
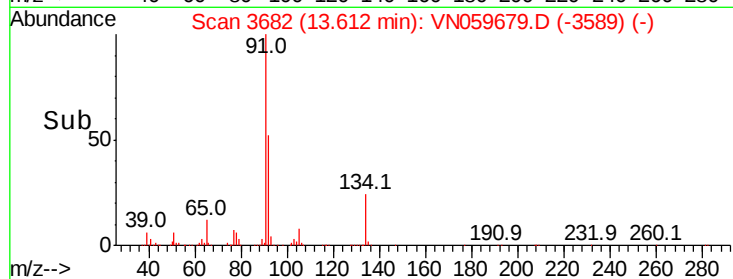
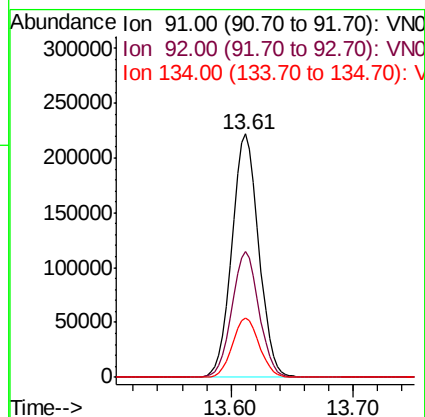
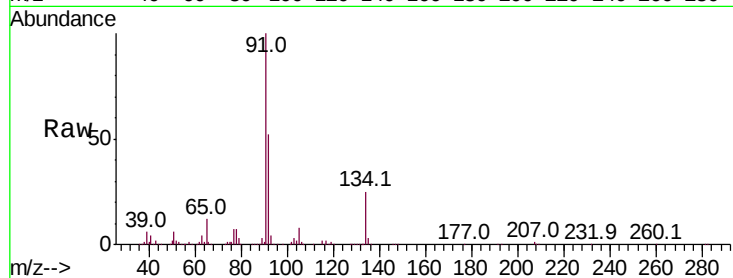




#89
n-Butylbenzene
Concen: 34.900 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

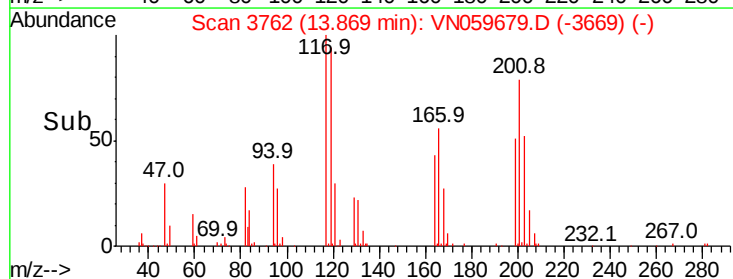
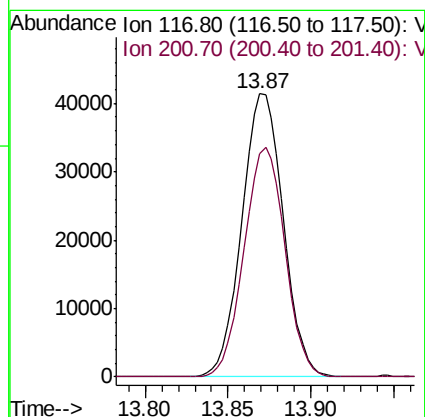
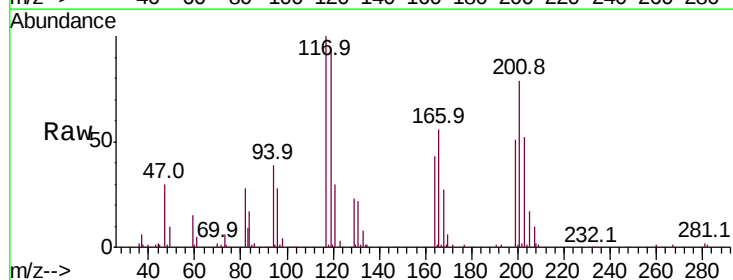
Instrument :
MSVOA_X
ClientSampled :

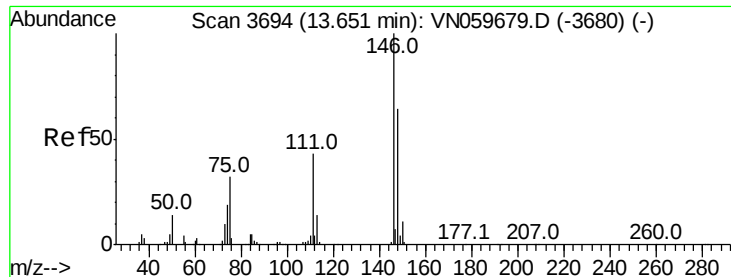
Tot Ion: 91 Resp: 342045
Ion Ratio Lower Upper
91 100
92 52.0 26.0 78.0
134 24.4 12.2 36.6



#90
Hexachloroethane
Concen: 36.304 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion: 117 Resp: 72047
Ion Ratio Lower Upper
117 100
201 80.1 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 35.273 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

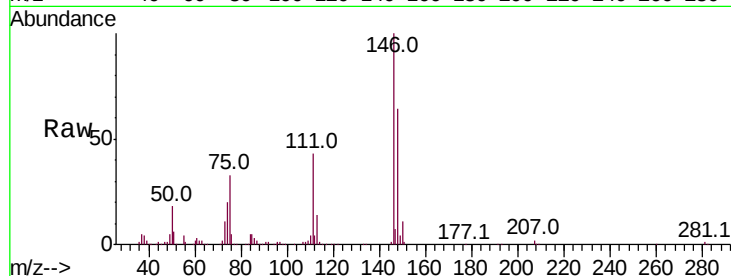
Tot Ion:146 Resp: 192222

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

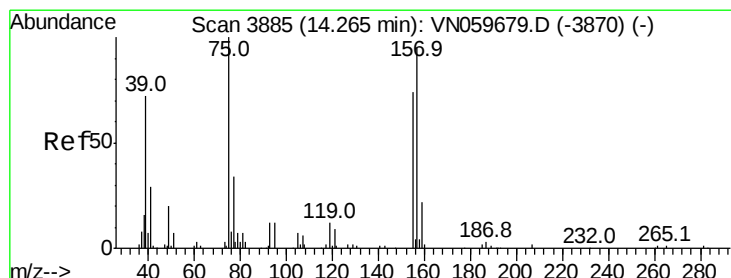
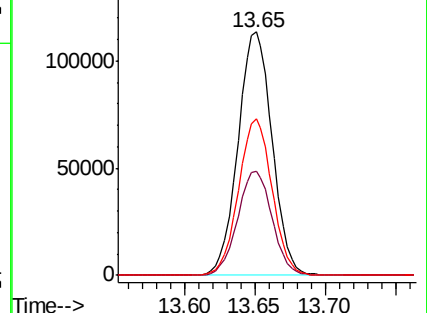
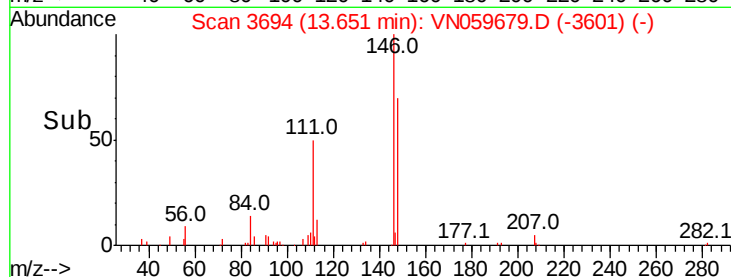
148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 29.601 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

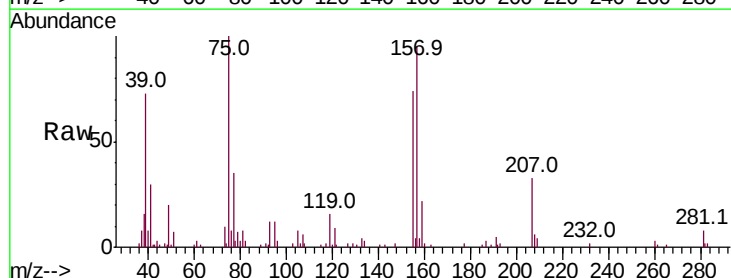
Tgt Ion: 75 Resp: 33929

Ion Ratio Lower Upper

75 100

155 72.1 36.0 108.1

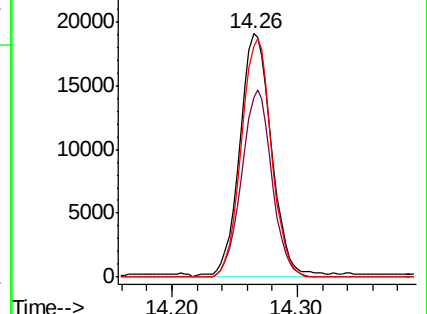
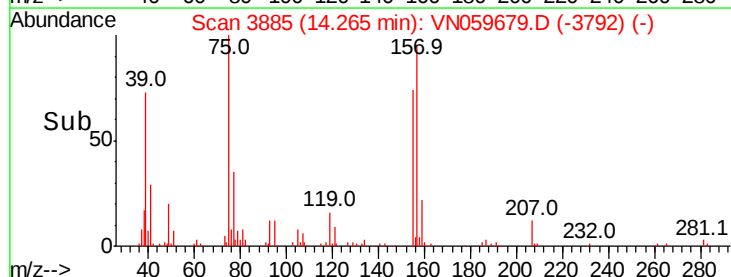
157 91.7 45.9 137.6

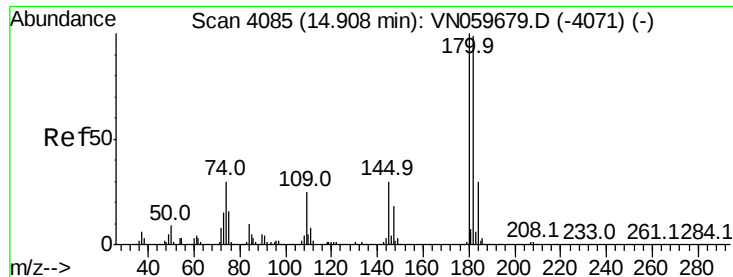


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 34.037 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

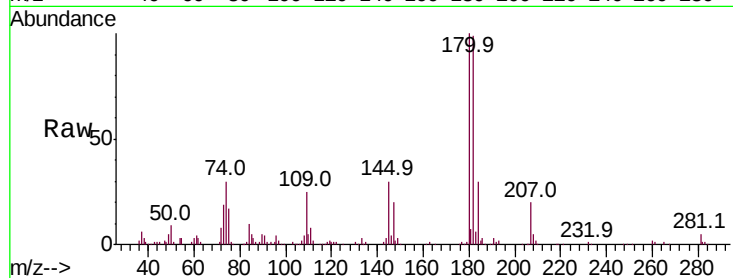
Tot Ion:180 Resp: 120000

Ion Ratio Lower Upper

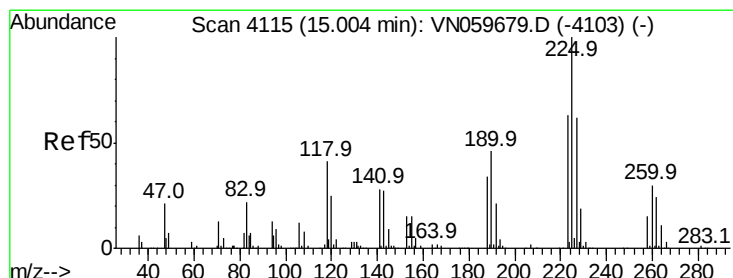
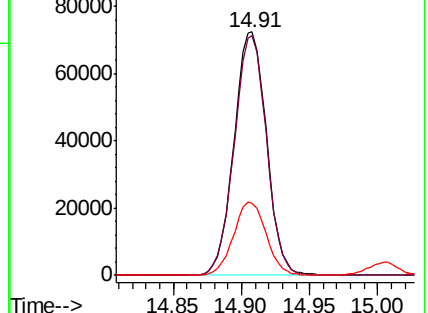
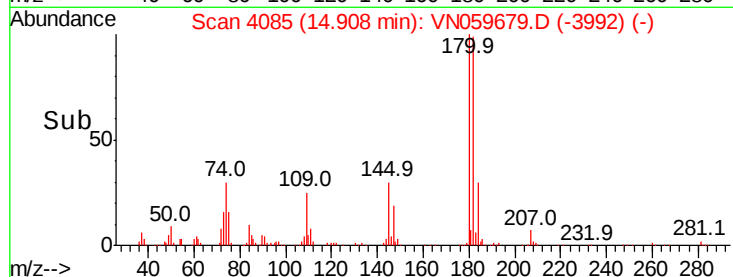
180 100

182 97.7 48.9 146.6

145 30.2 15.1 45.3



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



#94

Hexachlorobutadiene

Concen: 34.676 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN059679.D

Acq: 20 Dec 2019 14:30

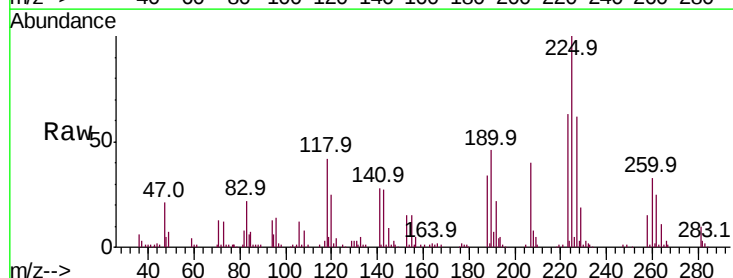
Tgt Ion:225 Resp: 66422

Ion Ratio Lower Upper

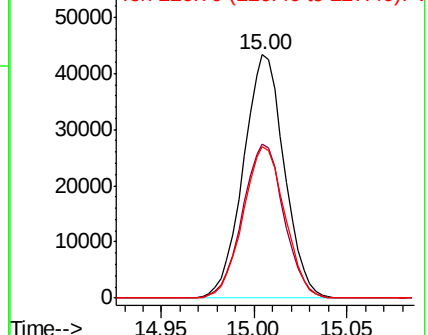
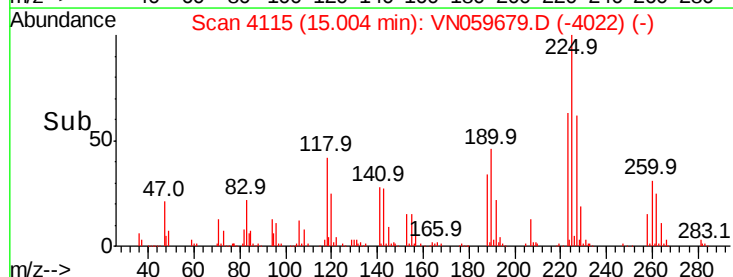
225 100

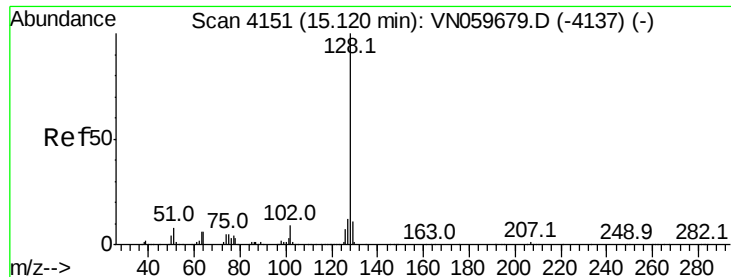
223 64.1 32.0 96.2

227 63.4 31.7 95.1



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

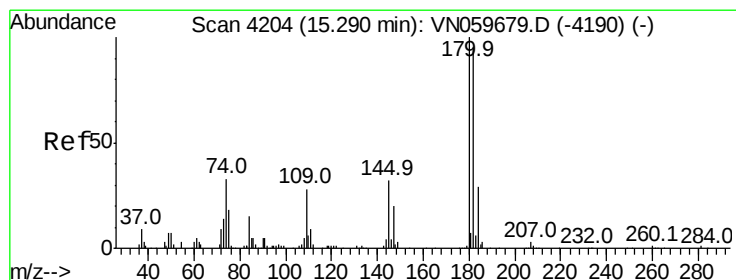
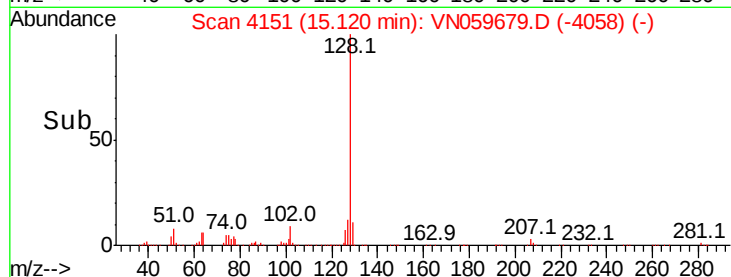
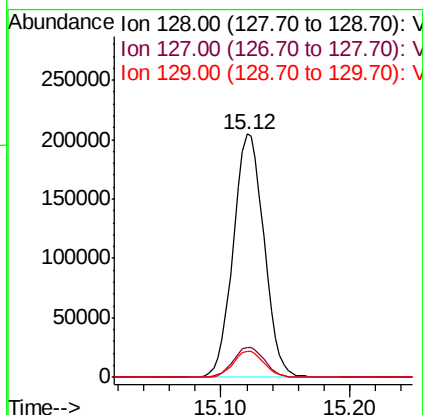
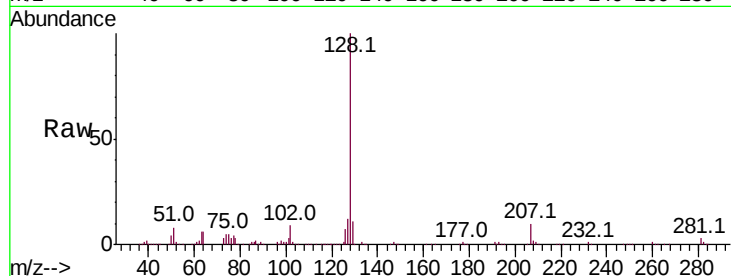




#95
Naphthalene
Concen: 32.453 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:128 Resp: 339954
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 27.219 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN059679.D
Acq: 20 Dec 2019 14:30

Tgt Ion:180 Resp: 95480
Ion Ratio Lower Upper
180 100
182 94.7 47.3 142.0
145 32.9 16.4 49.4

