

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\
 Data File : VN059677.D
 Acq On : 20 Dec 2019 13:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 16:32:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 20 16:30:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	272721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	428713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	365924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141031	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	17665	4.52	ug/l	0.00
Spiked Amount			Recovery	=	9.04%	
35) Dibromofluoromethane	7.57	113	14066	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
50) Toluene-d8	10.08	98	52197	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.40	95	15973	4.36	ug/l	0.00
Spiked Amount			Recovery	=	8.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	10056	2.841	ug/l	95
3) Chloromethane	2.04	50	15159	2.890	ug/l	94
4) Vinyl Chloride	2.17	62	10090	1.972	ug/l	97
5) Bromomethane	2.54	94	8600	2.902	ug/l	96
6) Chloroethane	2.68	64	7642	2.635	ug/l	100
7) Trichlorofluoromethane	2.99	101	10120	1.875	ug/l	94
8) Diethyl Ether	3.39	74	5534	3.083	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	7060	2.470	ug/l	95
10) Methyl Iodide	3.92	142	8567	2.300	ug/l	97
11) Tert butyl alcohol	4.77	59	4639	6.622	ug/l #	81
12) 1,1-Dichloroethene	3.70	96	3641	1.309	ug/l	88
13) Acrolein	3.58	56	9676	21.523	ug/l	94
14) Allyl chloride	4.29	41	16994	2.963	ug/l	94
15) Acrylonitrile	4.96	53	22008	12.843	ug/l	98
16) Acetone	3.80	43	27101	12.098	ug/l	100
17) Carbon Disulfide	4.03	76	29980	3.120	ug/l	98
18) Methyl Acetate	4.30	43	14643	2.980	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	25356	2.571	ug/l	98
20) Methylene Chloride	4.52	84	20615	6.160	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	7969	2.566	ug/l	92
22) Diisopropyl ether	5.92	45	34232	3.238	ug/l #	88
23) Vinyl Acetate	5.87	43	134218	16.314	ug/l	100
24) 1,1-Dichloroethane	5.82	63	20071	3.355	ug/l	99
25) 2-Butanone	6.81	43	36945	13.536	ug/l	99
26) 2,2-Dichloropropane	6.80	77	16484	3.023	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	11175	3.239	ug/l	96
28) Bromochloromethane	7.17	49	4368	2.194	ug/l #	99
29) Tetrahydrofuran	7.19	42	25396	14.956	ug/l	98
30) Chloroform	7.35	83	18373	3.012	ug/l	99
31) Cyclohexane	7.63	56	22290	3.869	ug/l #	73
32) 1,1,1-Trichloroethane	7.54	97	15137	2.816	ug/l	97
36) 1,1-Dichloropropene	7.77	75	13393	3.020	ug/l	99
37) Ethyl Acetate	6.91	43	14056	2.721	ug/l #	92
38) Carbon Tetrachloride	7.75	117	12866	2.790	ug/l	94

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 16:32:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 20 16:30:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	14386	2.764	ug/l	97
40) Benzene	8.02	78	39905	3.077	ug/l	99
41) Methacrylonitrile	7.15	41	5411	2.567	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	13154	2.608	ug/l	98
43) Isopropyl Acetate	8.15	43	21519	2.637	ug/l #	91
44) Trichloroethene	8.82	130	10715	3.176	ug/l	89
45) 1,2-Dichloropropane	9.10	63	11338	3.122	ug/l	97
46) Dibromomethane	9.19	93	6466	2.786	ug/l	93
47) Bromodichloromethane	9.39	83	12427	2.681	ug/l	97
48) Methyl methacrylate	9.19	41	9142	2.483	ug/l	92
49) 1,4-Dioxane	9.20	88	2514	48.971	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	61091	12.616	ug/l	98
52) Toluene	10.15	92	23157	2.826	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	13866	2.582	ug/l #	86
54) cis-1,3-Dichloropropene	9.83	75	15707	2.809	ug/l #	88
55) 1,1,2-Trichloroethane	10.55	97	9377	2.953	ug/l	98
56) Ethyl methacrylate	10.42	69	10924	2.338	ug/l	92
57) 1,3-Dichloropropane	10.70	76	16644	2.956	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	22641	14.770	ug/l	98
59) 2-Hexanone	10.74	43	44708	11.702	ug/l	98
60) Dibromochloromethane	10.89	129	8452	2.431	ug/l	93
61) 1,2-Dibromoethane	11.00	107	8586	2.516	ug/l	96
64) Tetrachloroethene	10.62	164	11239	3.360	ug/l	91
65) Chlorobenzene	11.43	112	24580	3.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	8829	2.907	ug/l	92
67) Ethyl Benzene	11.51	91	41238	2.839	ug/l	97
68) m/p-Xylenes	11.62	106	30767	6.032	ug/l	99
69) o-Xylene	11.94	106	15119	3.166	ug/l	97
70) Styrene	11.96	104	22314	2.919	ug/l	97
71) Bromoform	12.12	173	5898	2.761	ug/l #	93
73) Isopropylbenzene	12.25	105	36887	3.293	ug/l	100
74) N-amyl acetate	12.07	43	13826	2.705	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	10671	2.974	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	15785	4.386	ug/l #	100
77) Bromobenzene	12.52	156	9072	3.264	ug/l	90
78) n-propylbenzene	12.59	91	38327	2.866	ug/l	99
79) 2-Chlorotoluene	12.67	91	25518	3.159	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	28610	2.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	3934	2.730	ug/l	93
82) 4-Chlorotoluene	12.77	91	24864	2.982	ug/l	100
83) tert-Butylbenzene	12.99	119	25354	3.160	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	28853	3.006	ug/l	99
85) sec-Butylbenzene	13.17	105	33332	3.070	ug/l	99
86) p-Isopropyltoluene	13.29	119	28289	2.960	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	15284	3.071	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	14766	2.953	ug/l	88
89) n-Butylbenzene	13.61	91	27240	3.046	ug/l	98
90) Hexachloroethane	13.87	117	5955	3.249	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	16888	3.460	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3378	3.244	ug/l	85

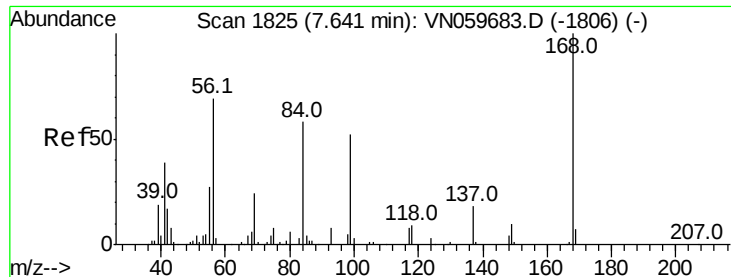
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\
Data File : VN059677.D
Acq On : 20 Dec 2019 13:47
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Sample : VSTDICC005
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 20 16:32:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 20 16:30:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9787	3.104	ug/l	94
94) Hexachlorobutadiene	15.00	225	6290	3.705	ug/l	97
95) Naphthalene	15.12	128	28797	3.078	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	10701	3.318	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

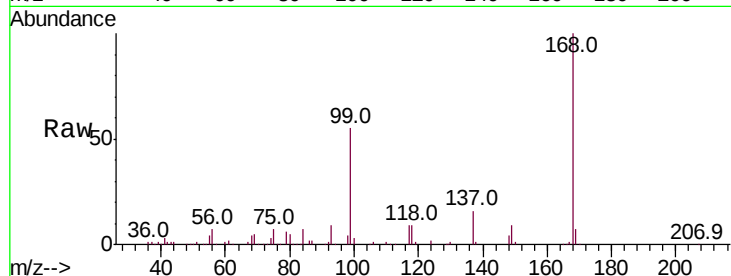
ClientSampled :

Tot Ion:168 Resp: 272721

Ion Ratio Lower Upper

168 100

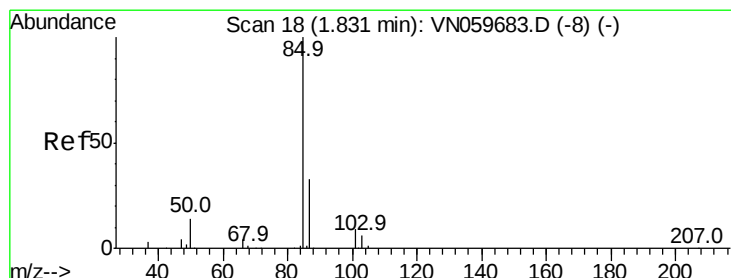
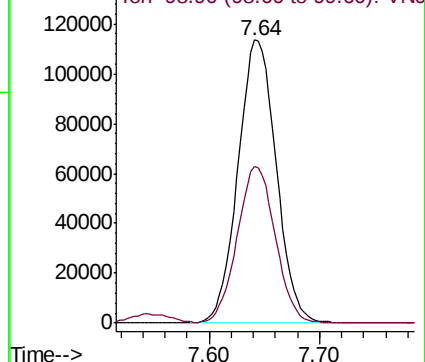
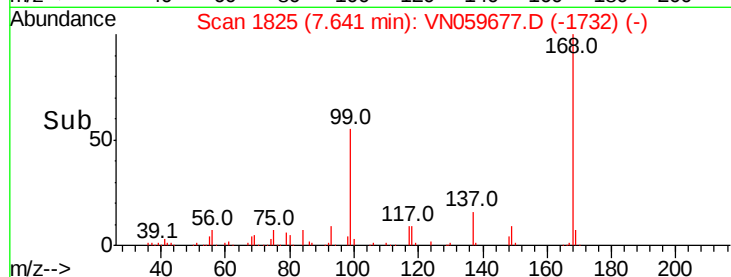
99 55.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64



#2

Dichlorodifluoromethane

Concen: 2.841 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059677.D

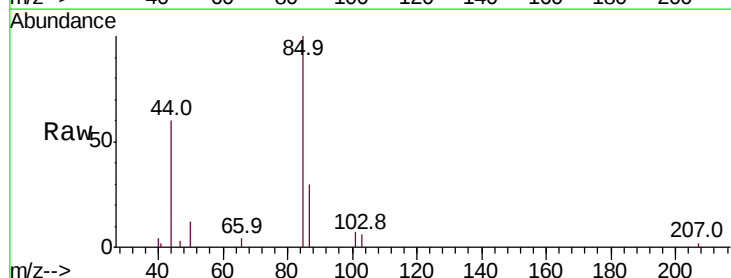
Acq: 20 Dec 2019 13:47

Tgt Ion: 85 Resp: 10056

Ion Ratio Lower Upper

85 100

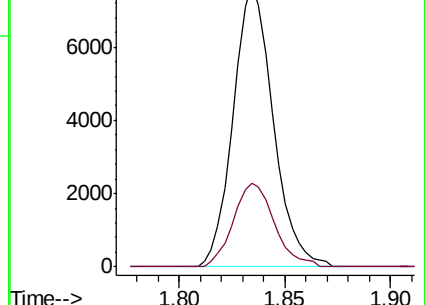
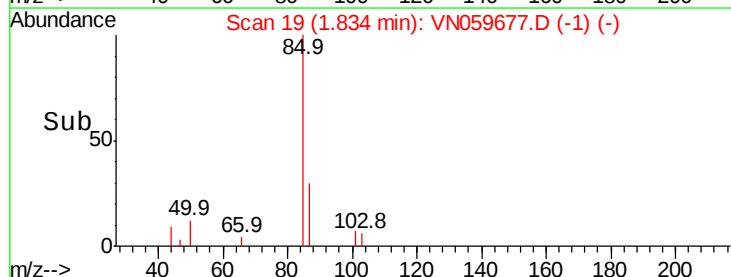
87 29.7 16.4 49.1

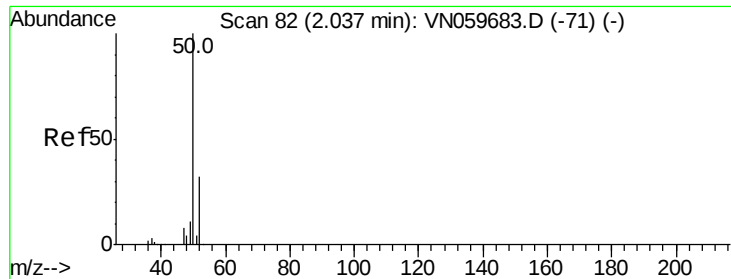


Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83





#3

Chloromethane

Concen: 2.890 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

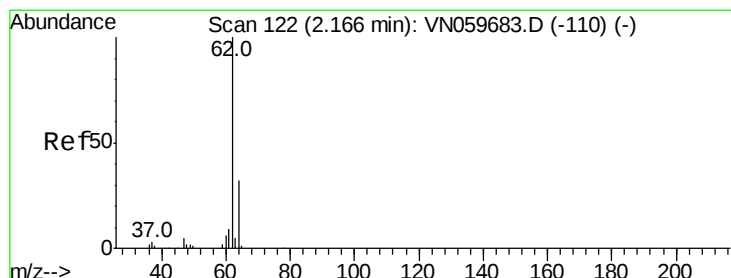
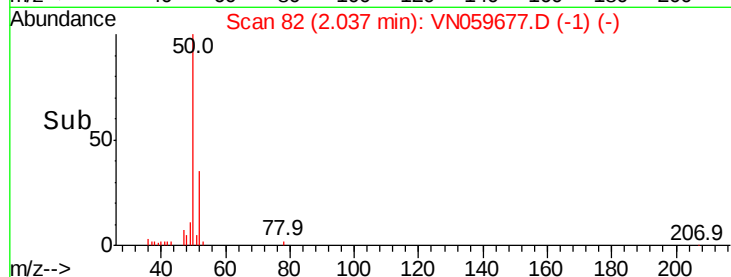
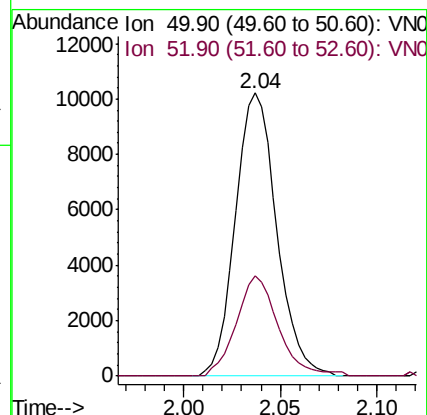
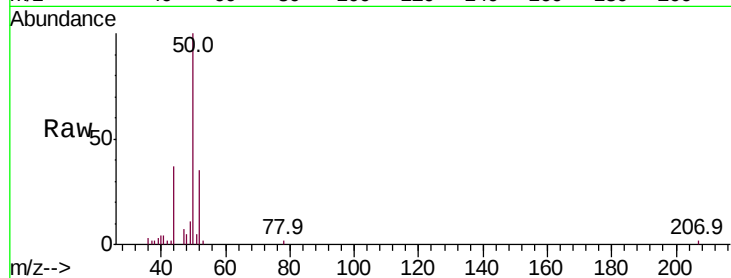
ClientSampleId :

Tot Ion: 50 Resp: 15159

Ion Ratio Lower Upper

50 100

52 35.3 25.5 38.3



#4

Vinyl Chloride

Concen: 1.972 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059677.D

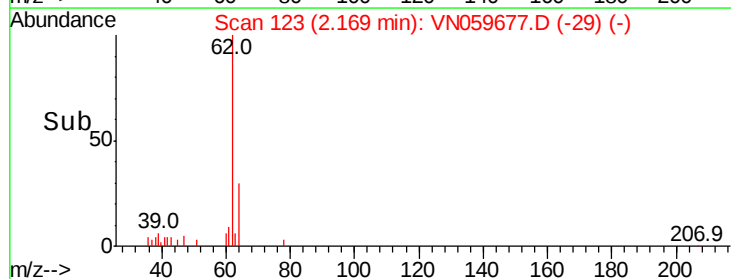
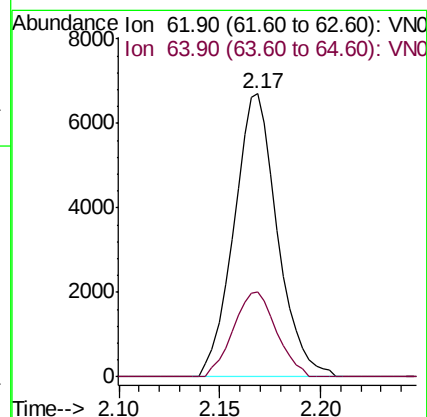
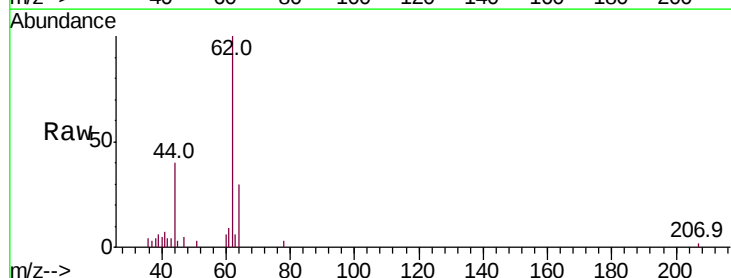
Acq: 20 Dec 2019 13:47

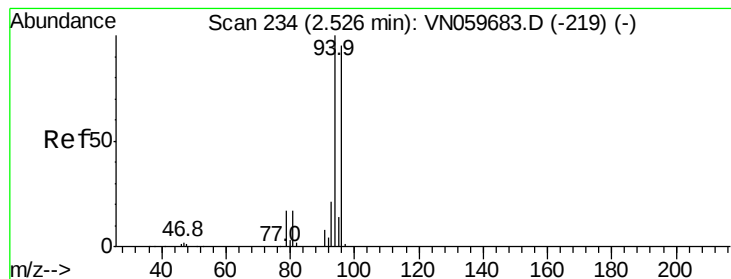
Tgt Ion: 62 Resp: 10090

Ion Ratio Lower Upper

62 100

64 30.1 25.4 38.0





#5

Bromomethane

Concen: 2.902 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

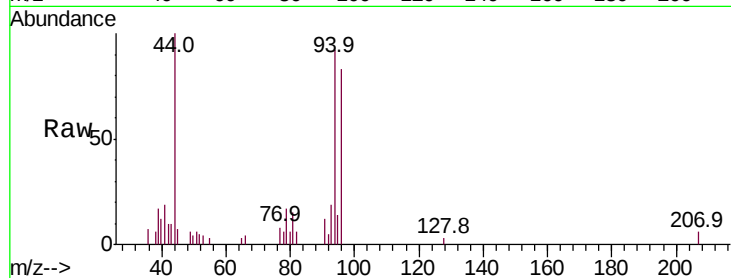
ClientSampled :

Tot Ion: 94 Resp: 8600

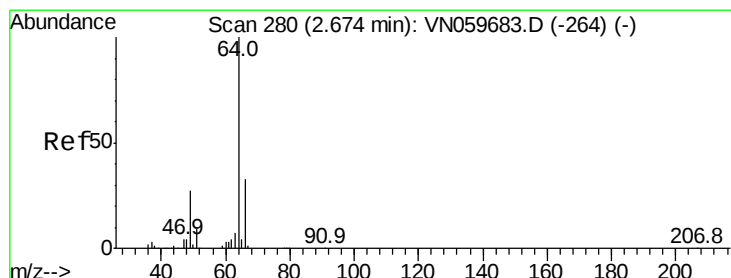
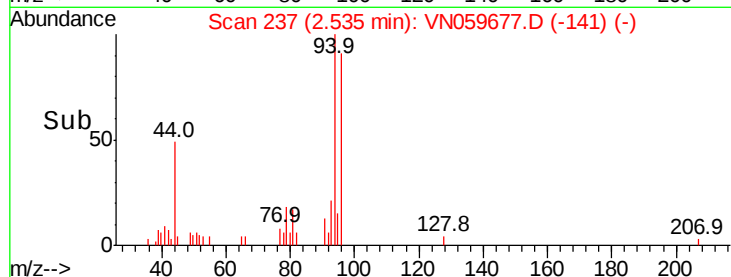
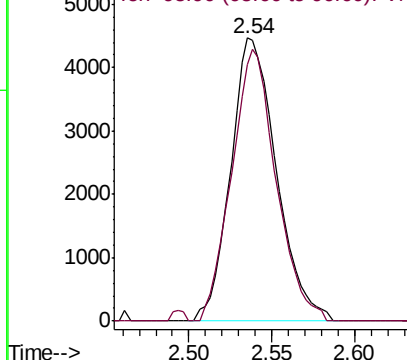
Ion Ratio Lower Upper

94 100

96 90.5 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 2.635 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059677.D

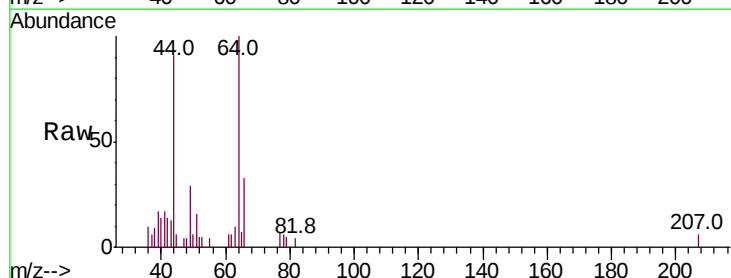
Acq: 20 Dec 2019 13:47

Tgt Ion: 64 Resp: 7642

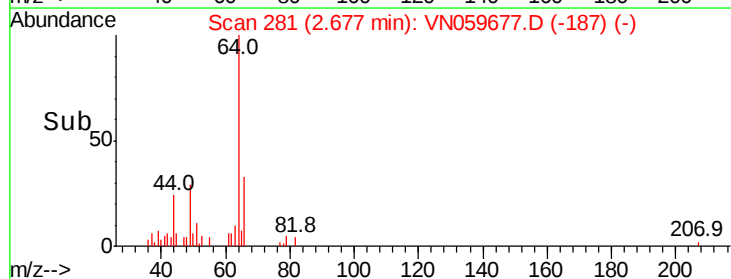
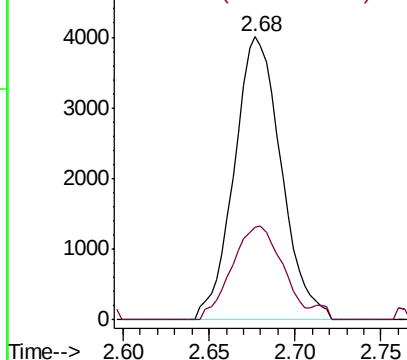
Ion Ratio Lower Upper

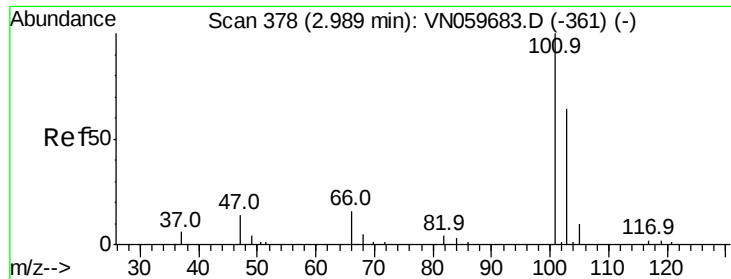
64 100

66 32.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



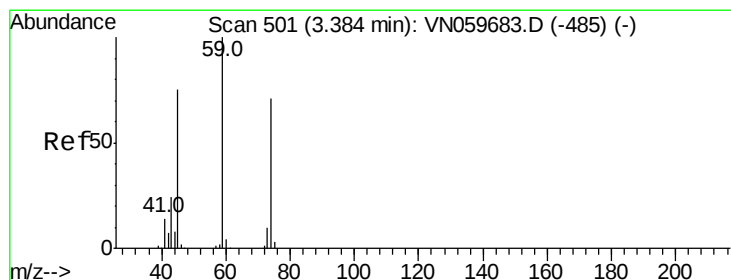
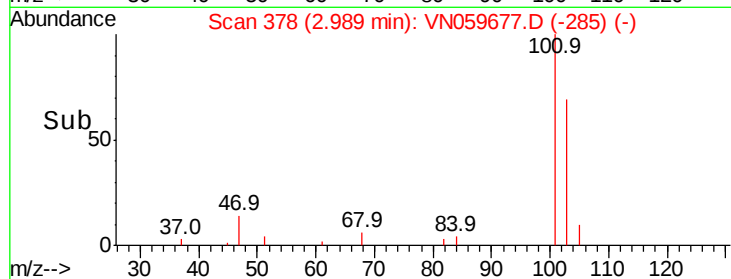
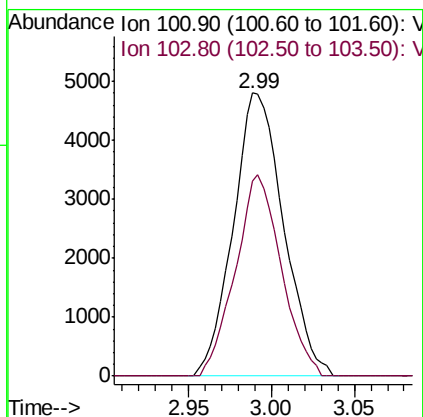
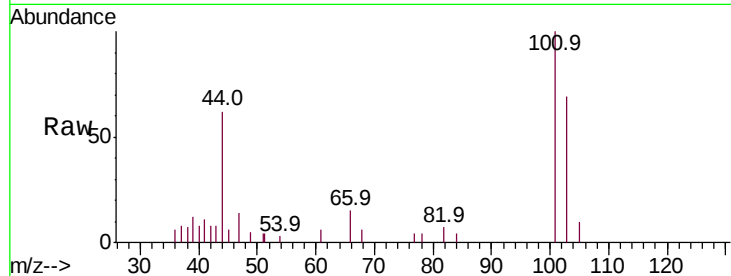


#7

Trichlorofluoromethane
 Concen: 1.875 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Instrument :
 MSVOA_X
 ClientSampled :

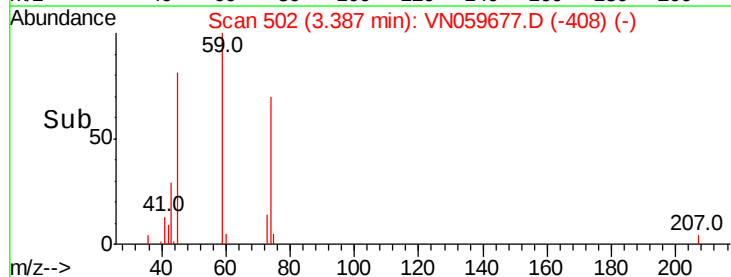
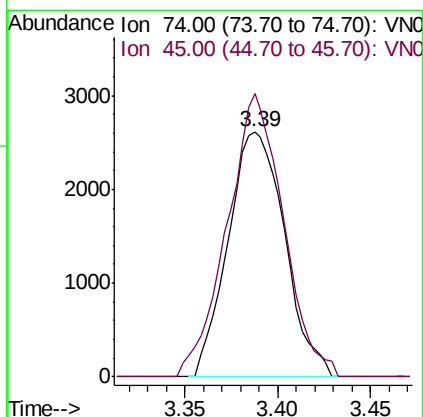
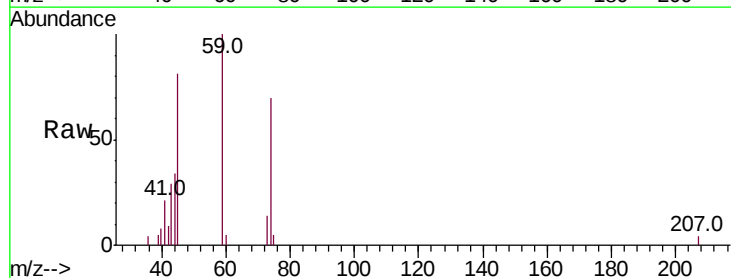
Tot Ion:101 Resp: 10120
 Ion Ratio Lower Upper
 101 100
 103 68.9 51.2 76.8

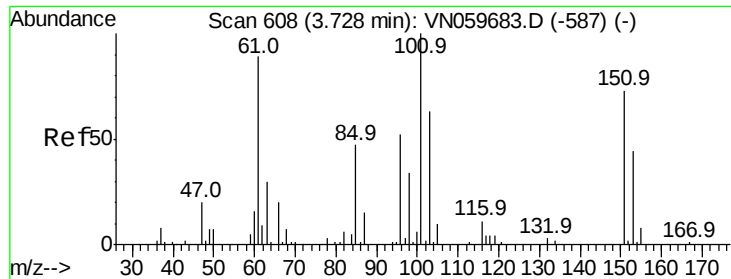


#8

Diethyl Ether
 Concen: 3.083 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion: 74 Resp: 5534
 Ion Ratio Lower Upper
 74 100
 45 114.9 54.4 163.1

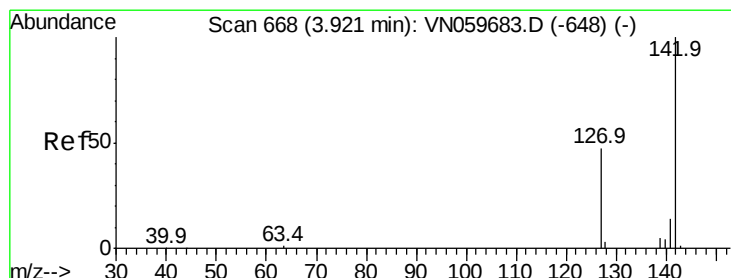
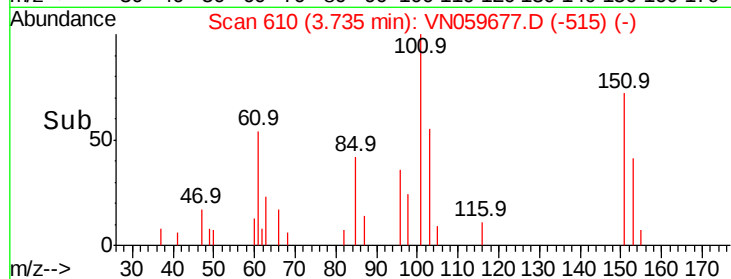
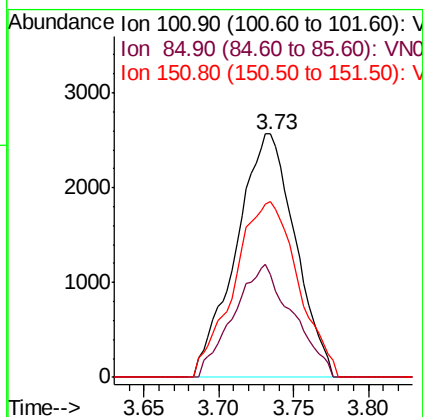
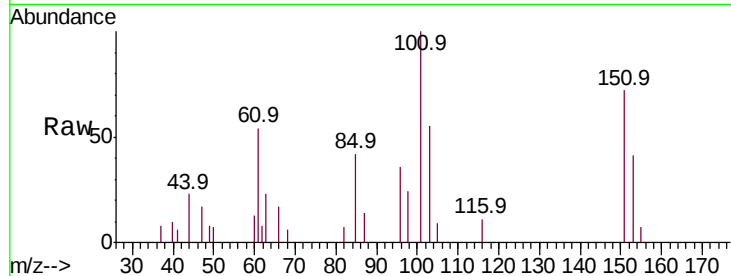




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.470 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

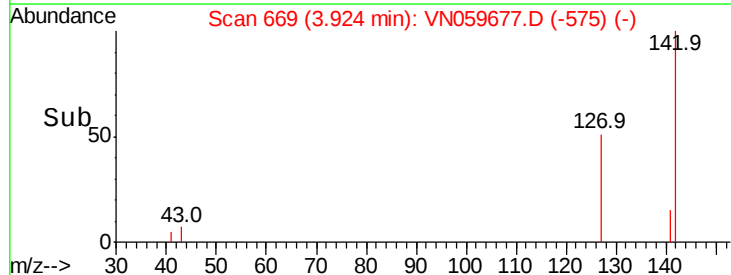
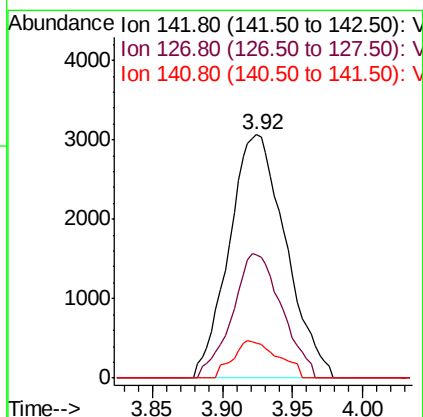
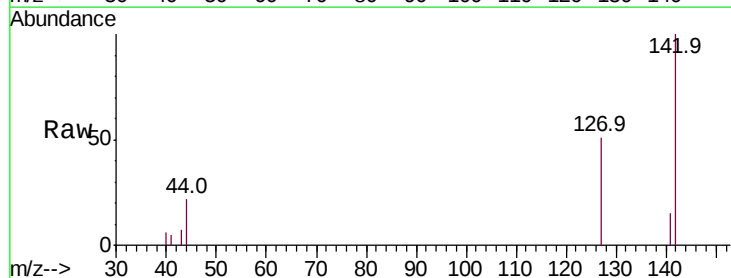
Instrument :
 MSVOA_X
 ClientSampleId :

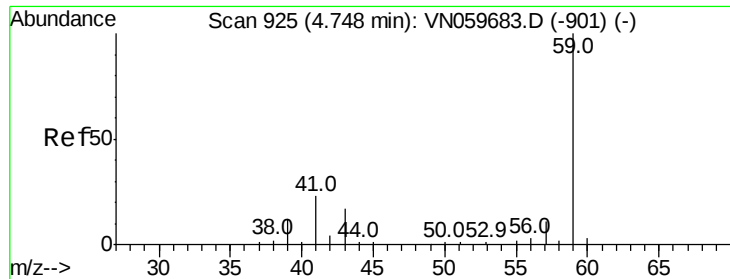
Tot Ion:101 Resp: 7060
 Ion Ratio Lower Upper
 101 100
 85 46.4 36.5 54.7
 151 77.9 57.6 86.4



#10
 Methyl Iodide
 Concen: 2.300 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion:142 Resp: 8567
 Ion Ratio Lower Upper
 142 100
 127 44.9 37.0 55.6
 141 12.3 11.2 16.8

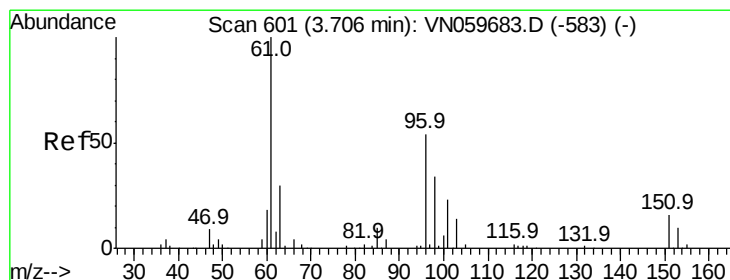
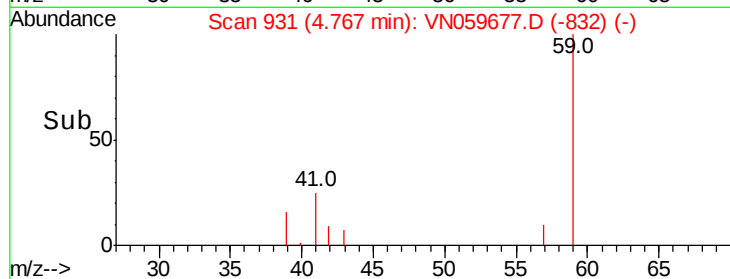
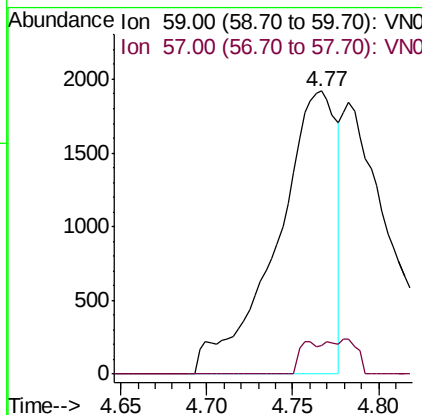
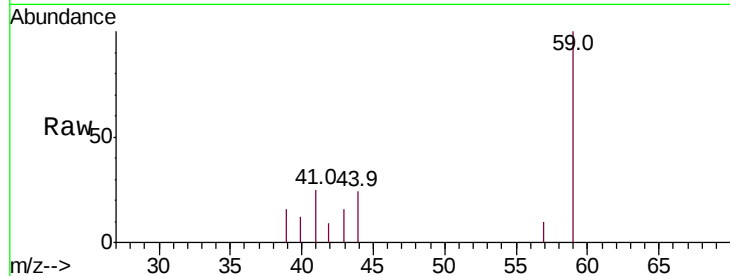




#11
Tert butyl alcohol
Concen: 6.622 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.02 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

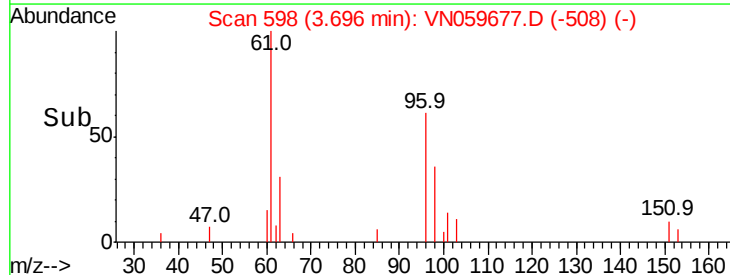
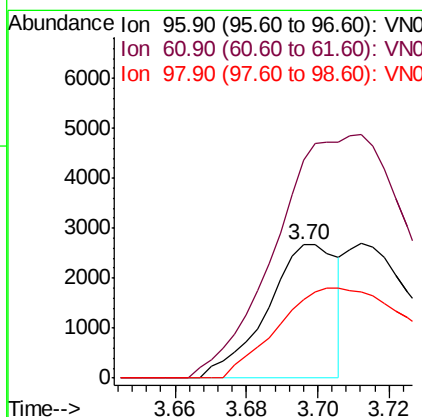
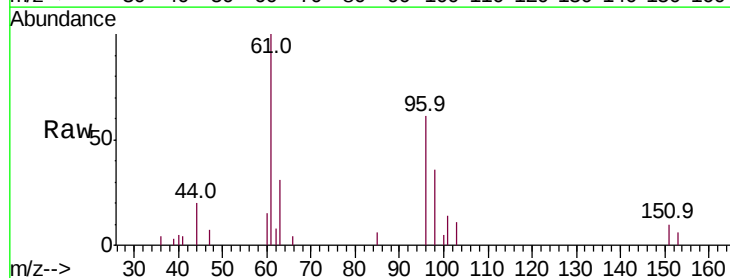
Instrument :
MSVOA_X
ClientSampleId :

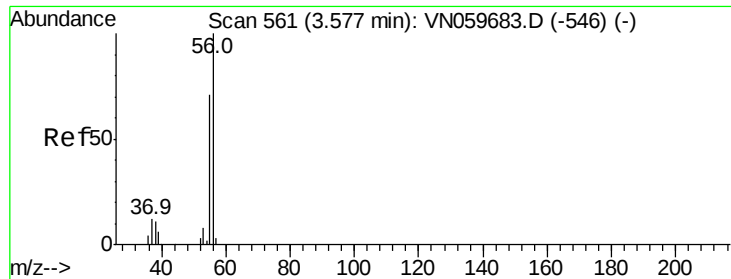
Tot Ion: 59 Resp: 4639
Ion Ratio Lower Upper
59 100
57 3.3 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 1.309 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 96 Resp: 3641
Ion Ratio Lower Upper
96 100
61 163.8 147.3 220.9
98 58.8 49.8 74.8





#13

Acrolein

Concen: 21.523 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

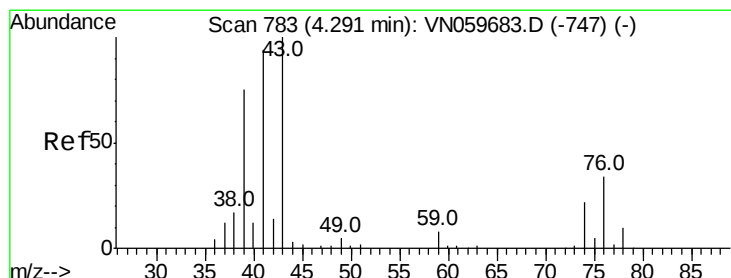
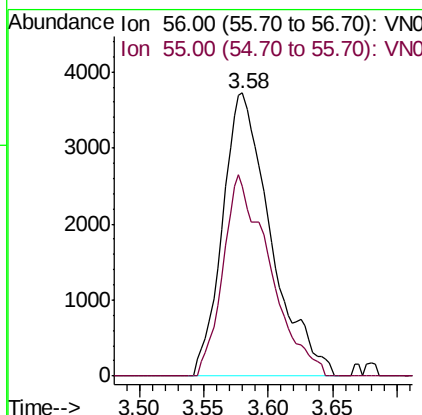
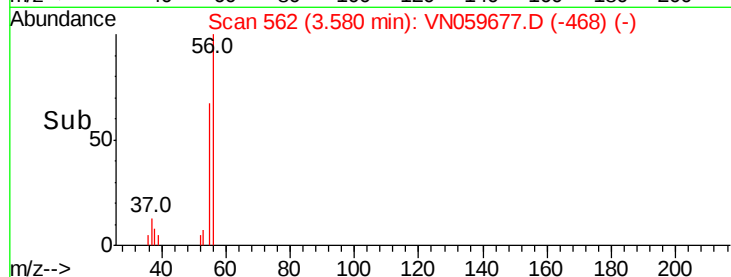
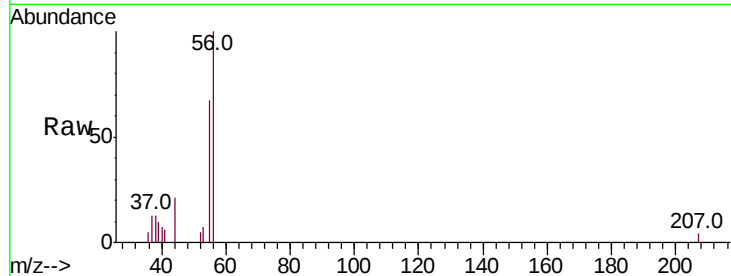
ClientSampleId :

Tot Ion: 56 Resp: 9676

Ion Ratio Lower Upper

56 100

55 68.8 58.8 88.2



#14

Allyl chloride

Concen: 2.963 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

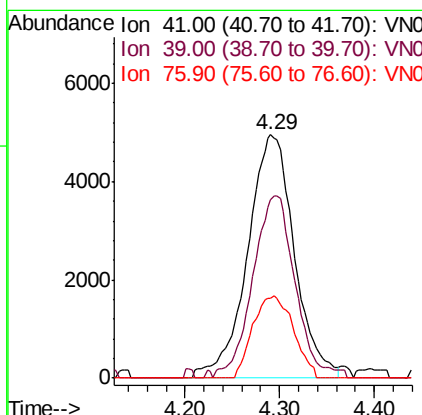
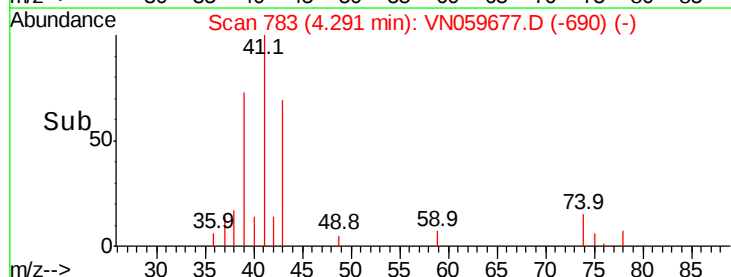
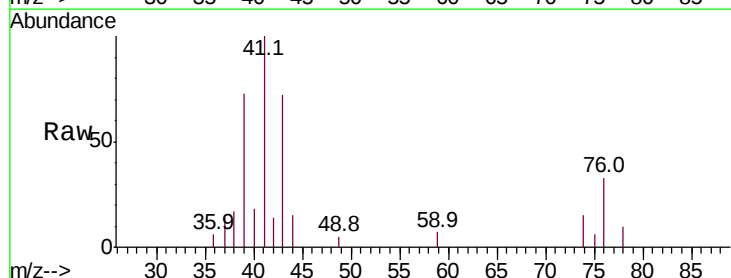
Tgt Ion: 41 Resp: 16994

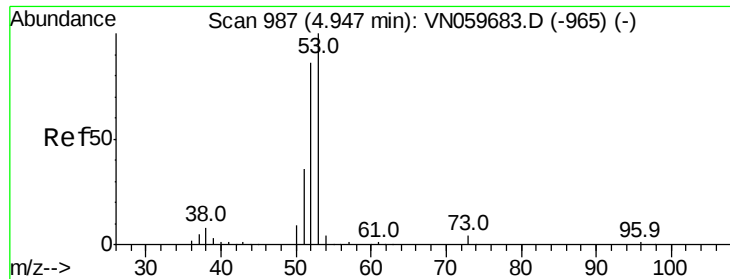
Ion Ratio Lower Upper

41 100

39 68.1 58.9 88.3

76 29.1 26.0 39.0





#15

Acrylonitrile

Concen: 12.843 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.02 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

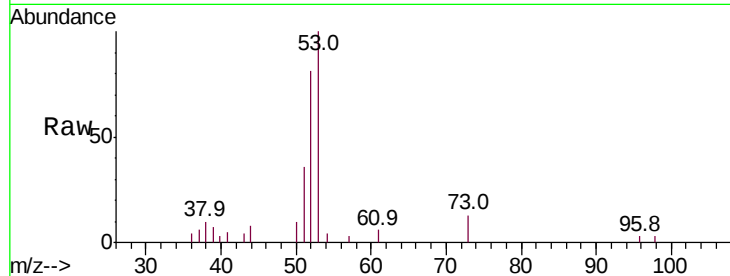
Tot Ion: 53 Resp: 22008

Ion Ratio Lower Upper

53 100

52 82.1 67.1 100.7

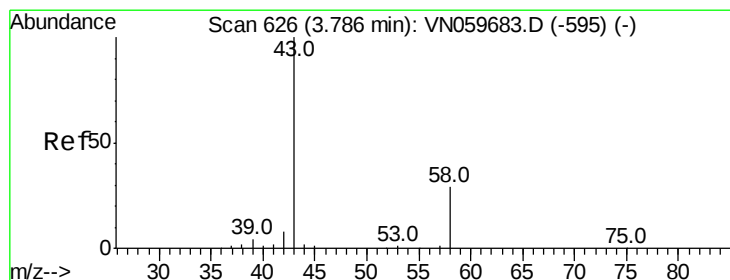
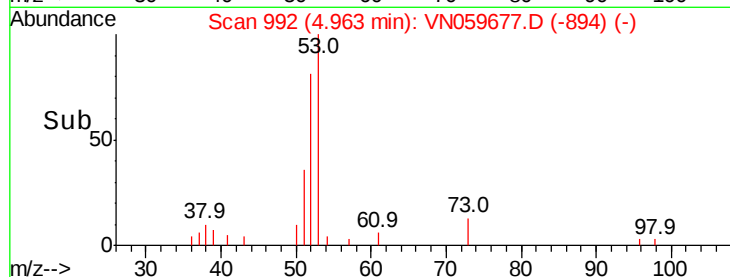
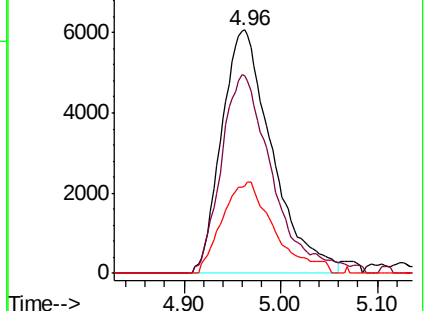
51 37.6 29.8 44.6



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: 12.098 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059677.D

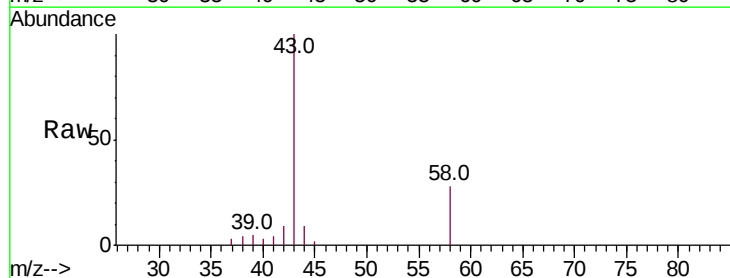
Acq: 20 Dec 2019 13:47

Tgt Ion: 43 Resp: 27101

Ion Ratio Lower Upper

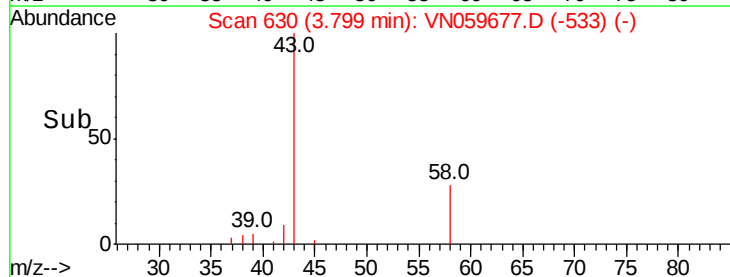
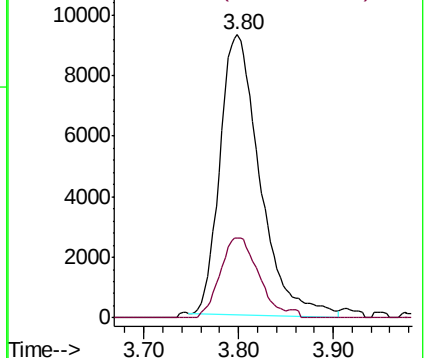
43 100

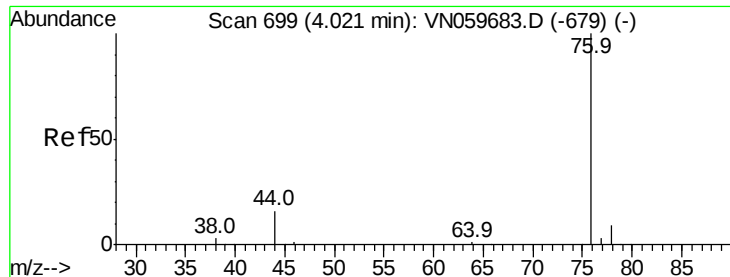
58 28.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

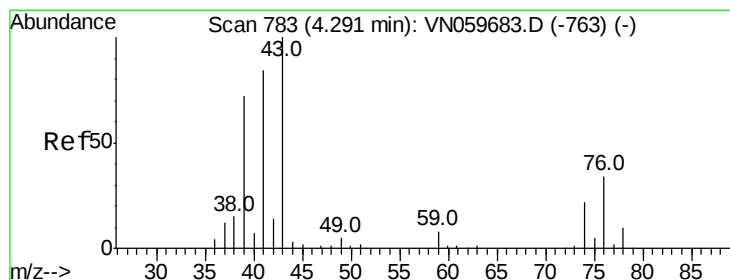
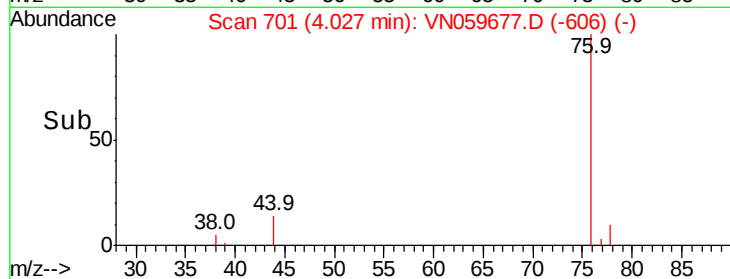
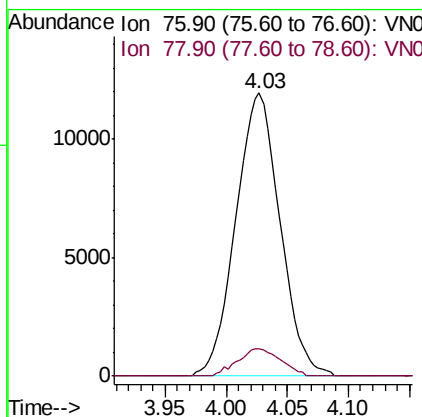
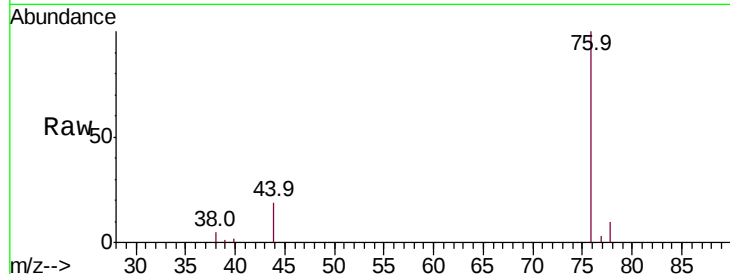




#17
Carbon Disulfide
Concen: 3.120 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

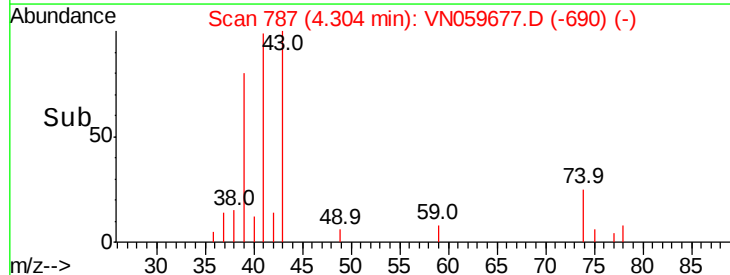
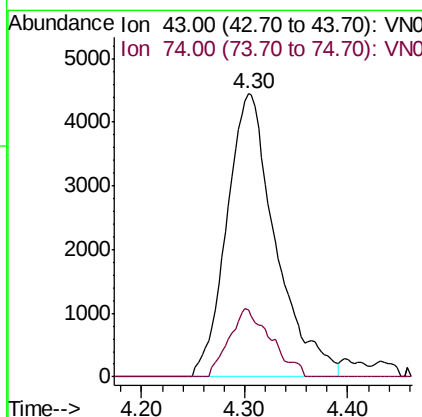
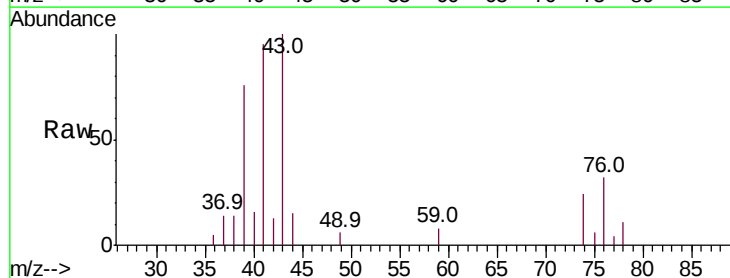
Instrument :
MSVOA_X
ClientSampleId :

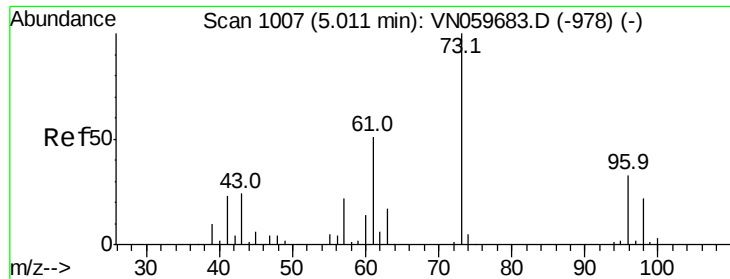
Tot Ion: 76 Resp: 29980
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 2.980 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 43 Resp: 14643
Ion Ratio Lower Upper
43 100
74 20.7 17.5 26.3

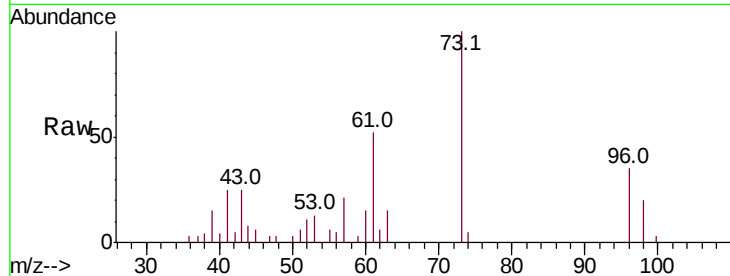




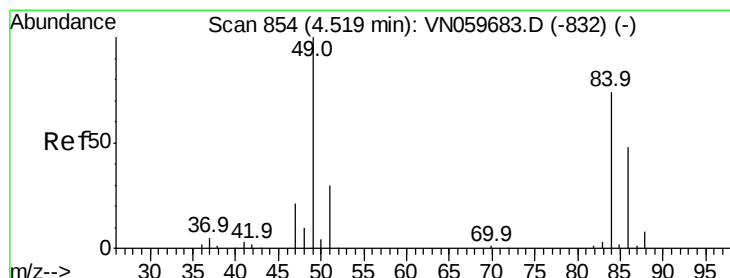
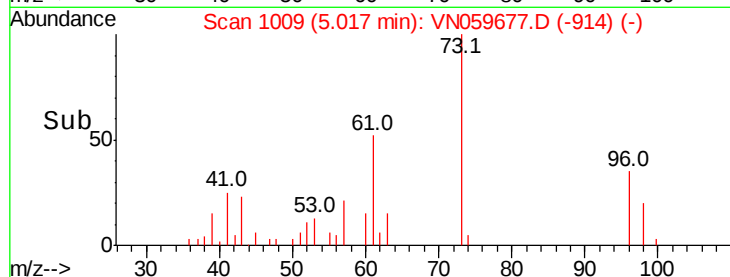
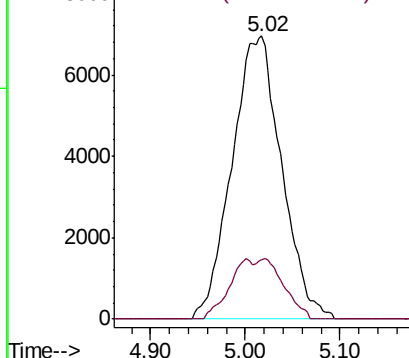
#19
Methvl tert-butvl Ether
Concen: 2.571 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 73 Resp: 25356
Ion Ratio Lower Upper
73 100
57 21.2 17.6 26.4

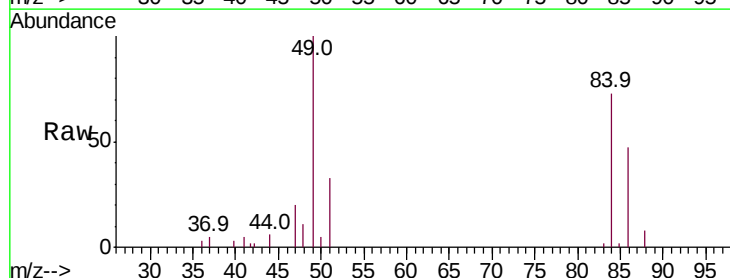


Abundance Ion 73.00 (72.70 to 73.70): VNC
Ion 57.00 (56.70 to 57.70): VNC

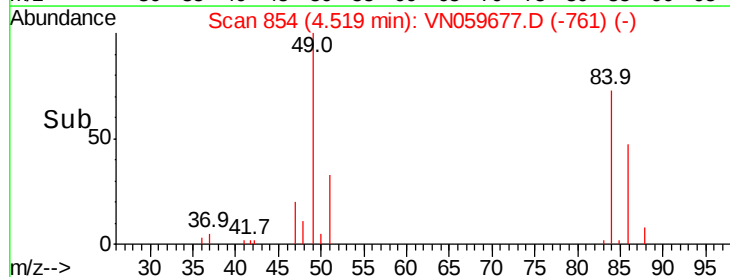
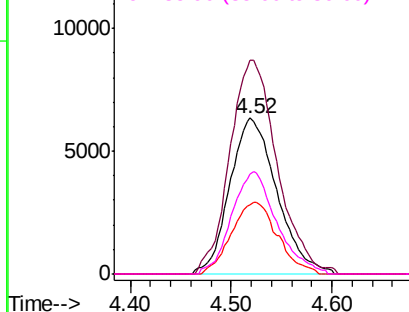


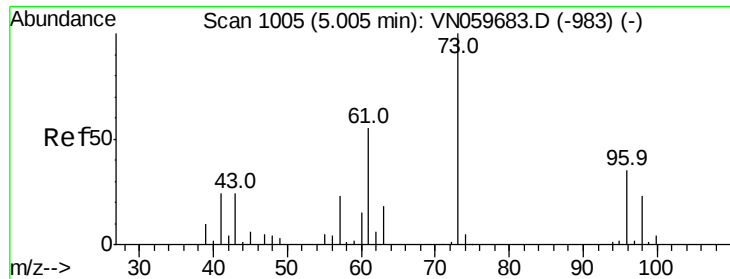
#20
Methylene Chloride
Concen: 6.160 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 84 Resp: 20615
Ion Ratio Lower Upper
84 100
49 137.0 108.0 162.0
51 44.8 32.6 49.0
86 63.9 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

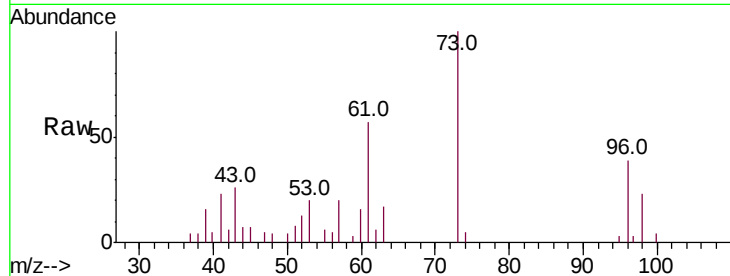




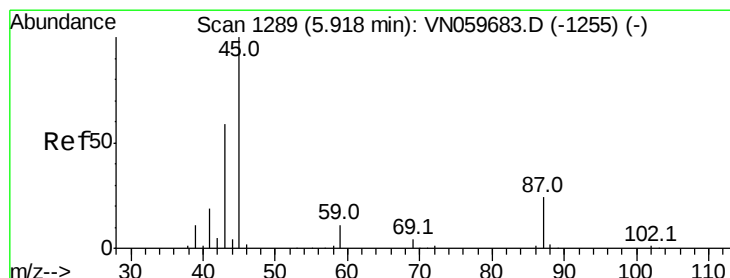
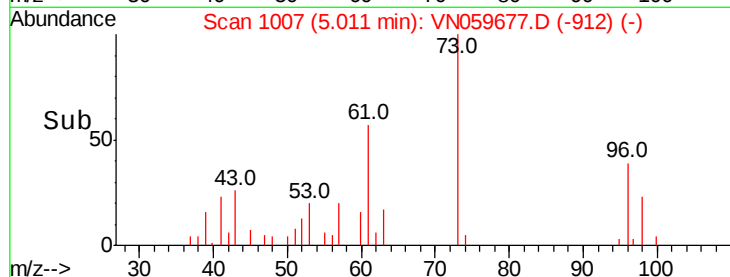
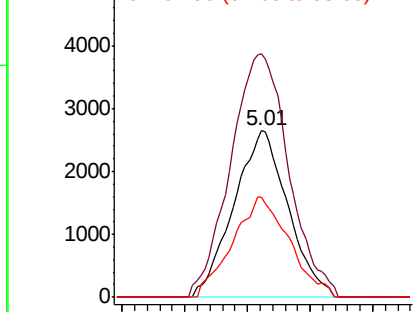
#21
trans-1,2-Dichloroethene
Concen: 2.566 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 7969
Ion Ratio Lower Upper
96 100
61 146.0 125.6 188.4
98 59.8 51.1 76.7

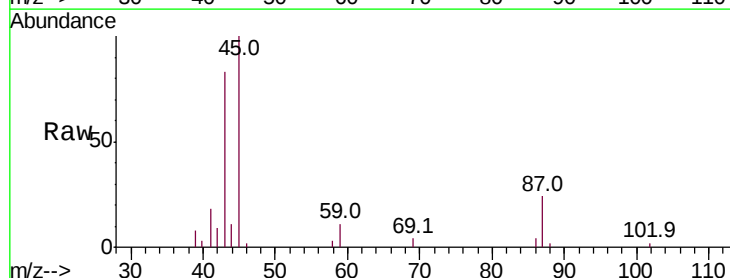


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

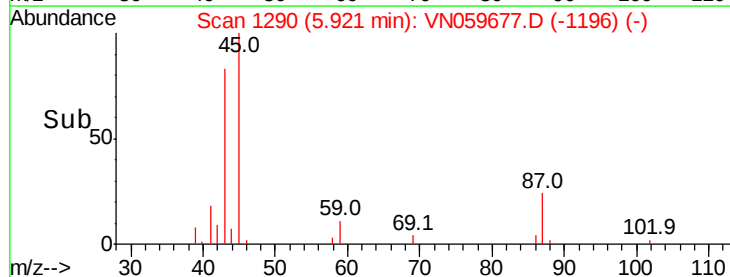
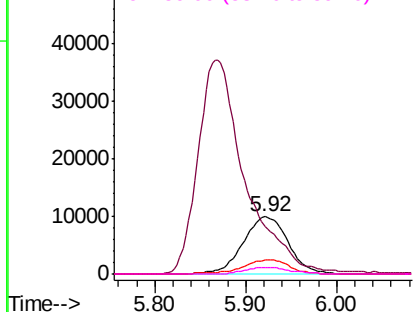


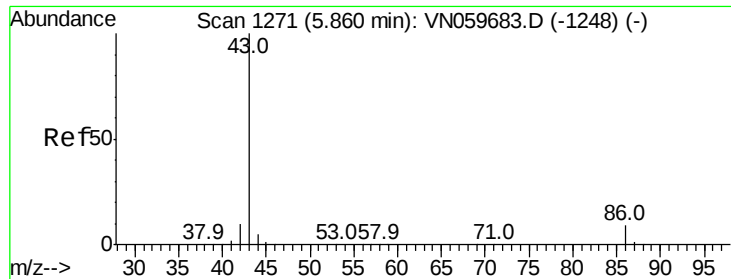
#22
Diisopropyl ether
Concen: 3.238 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 45 Resp: 34232
Ion Ratio Lower Upper
45 100
43 77.4 50.4 75.6#
87 24.1 20.1 30.1
59 11.3 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

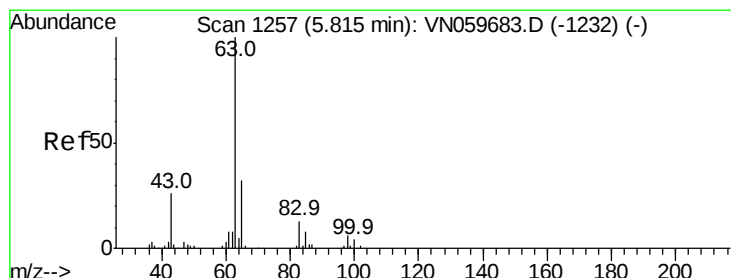
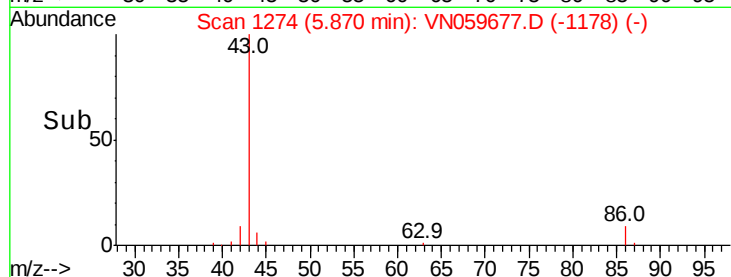
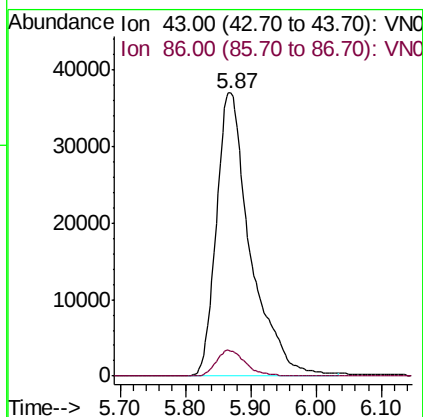
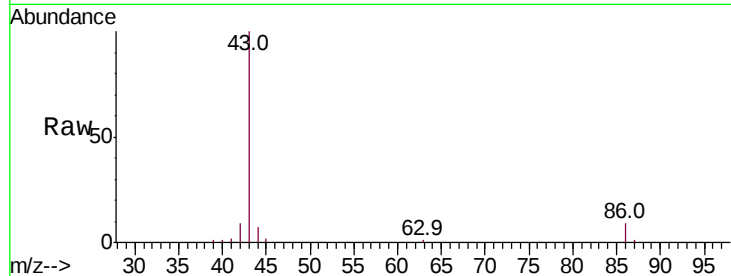




#23
 Vinyl Acetate
 Concen: 16.314 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

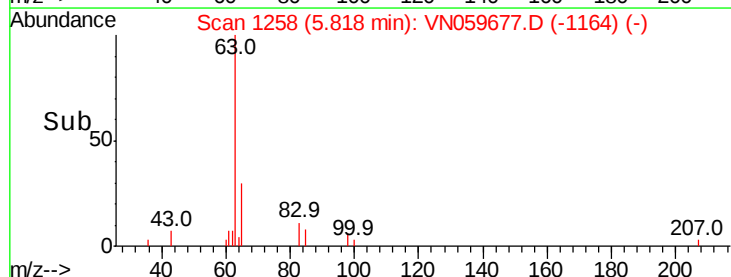
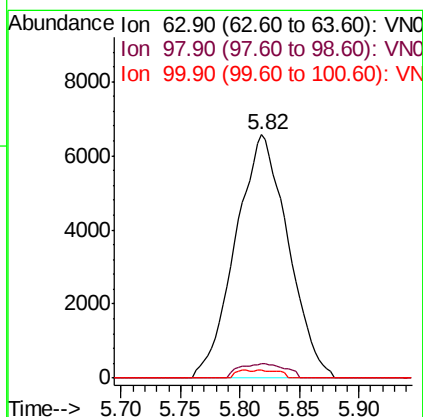
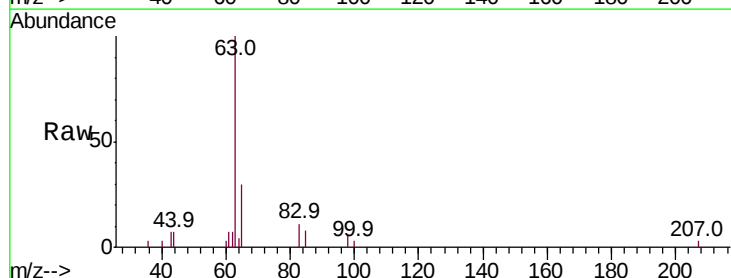
Instrument :
 MSVOA_X
 ClientSampleId :

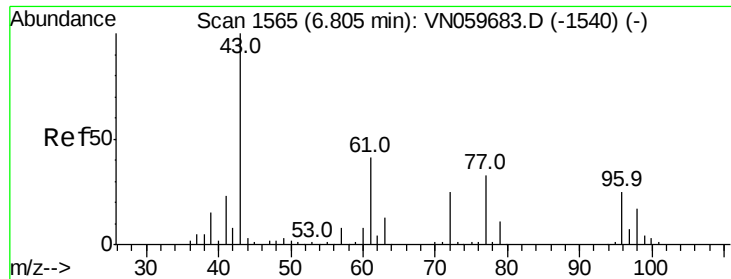
Tot Ion: 43 Resp: 134218
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 3.355 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion: 63 Resp: 20071
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.3 2.0 6.0

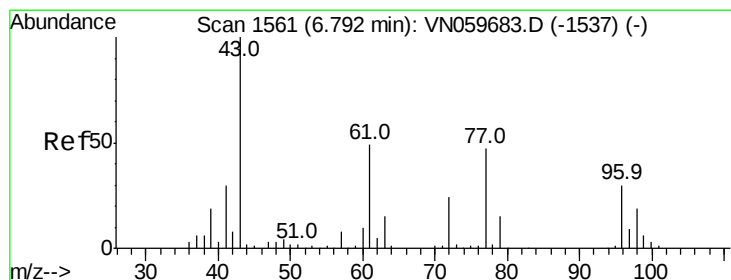
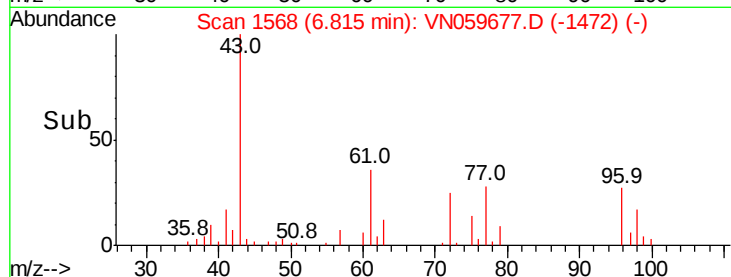
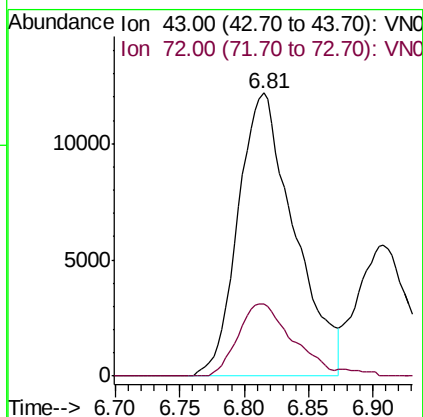
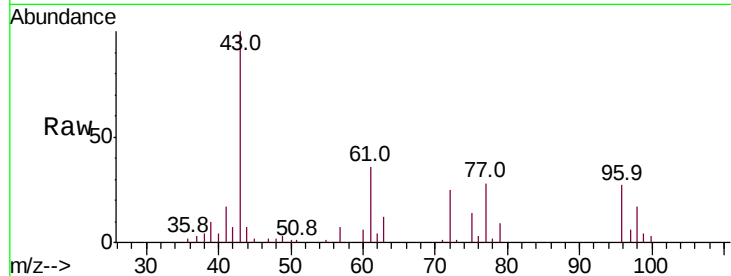




#25
2-Butanone
Concen: 13.536 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

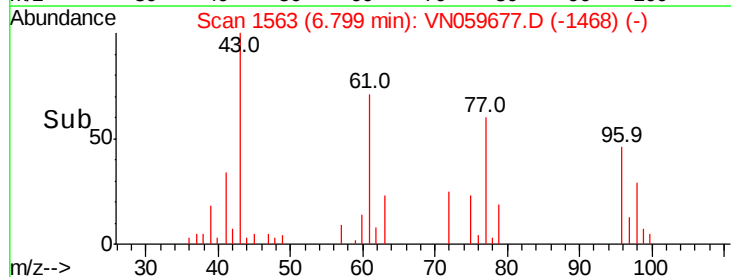
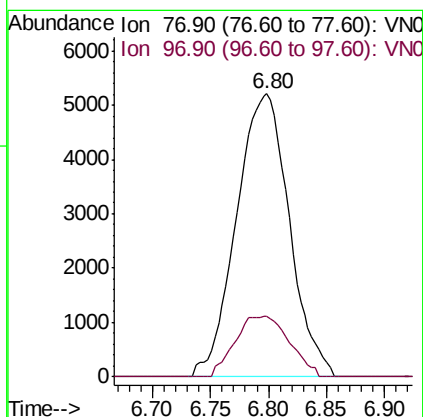
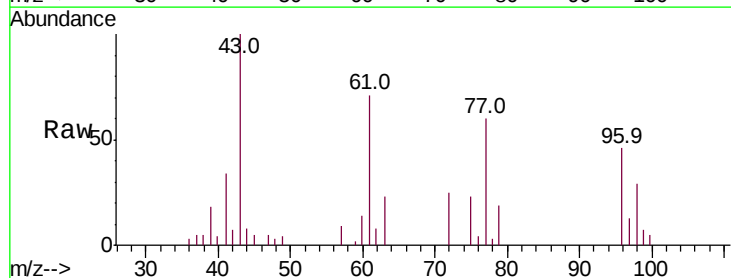
Instrument :
MSVOA_X
ClientSampled :

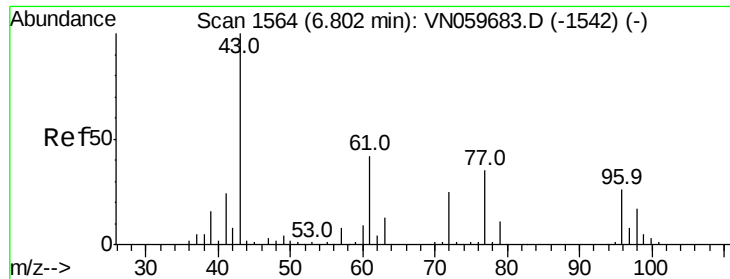
Tot Ion: 43 Resp: 36945
Ion Ratio Lower Upper
43 100
72 25.4 19.8 29.8



#26
2,2-Dichloropropane
Concen: 3.023 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 77 Resp: 16484
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 3.239 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampled :

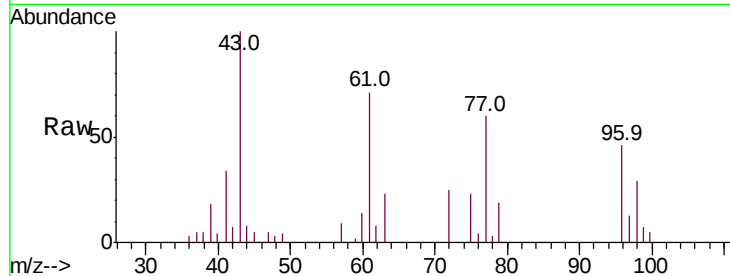
Tot Ion: 96 Resp: 11175

Ion Ratio Lower Upper

96 100

61 156.7 0.0 326.4

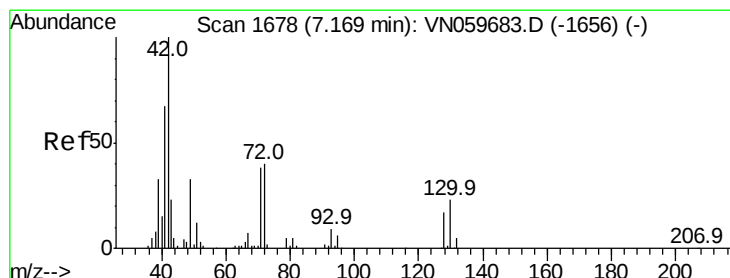
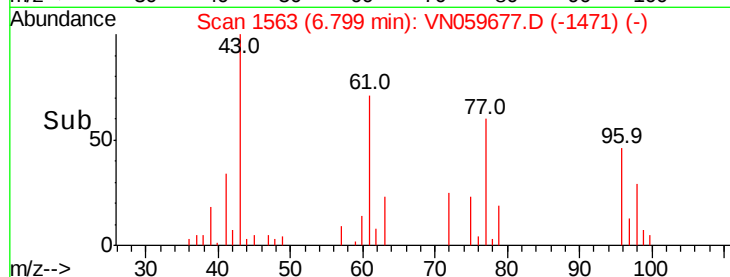
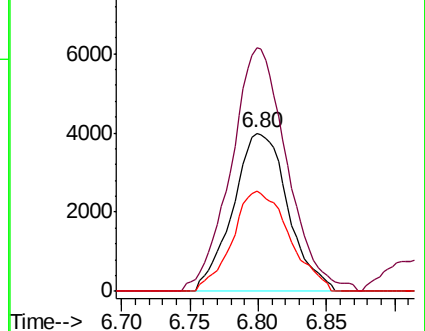
98 65.4 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059683.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059683.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059683.D (-1542) (-)



#28

Bromochloromethane

Concen: 2.194 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

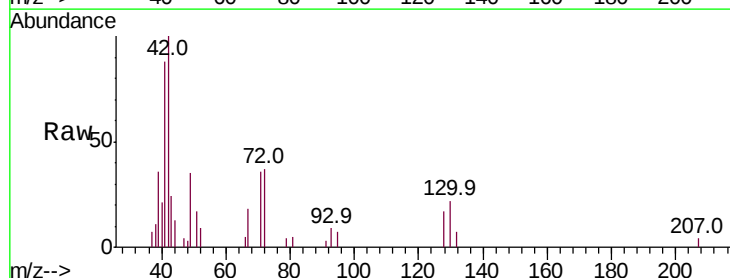
Tgt Ion: 49 Resp: 4368

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

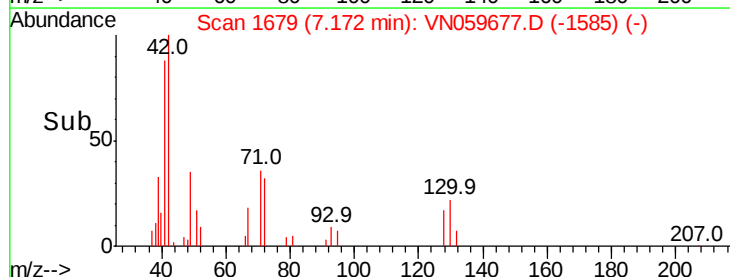
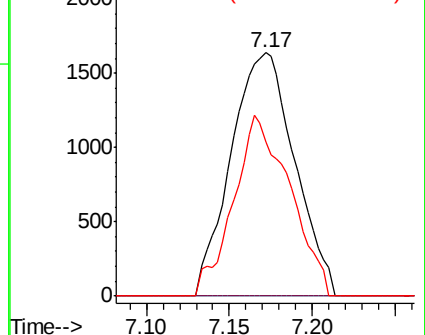
130 65.8 53.3 79.9

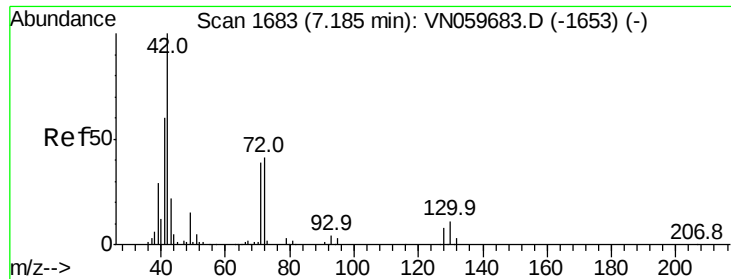


Abundance Ion 48.90 (48.60 to 49.60): VN059683.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN059683.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN059683.D (-1656) (-)

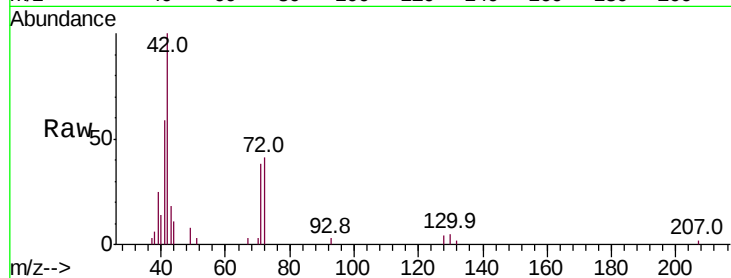




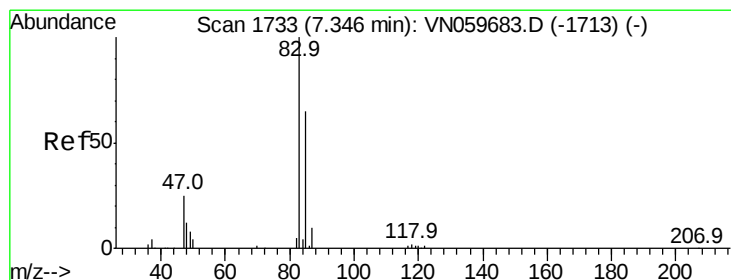
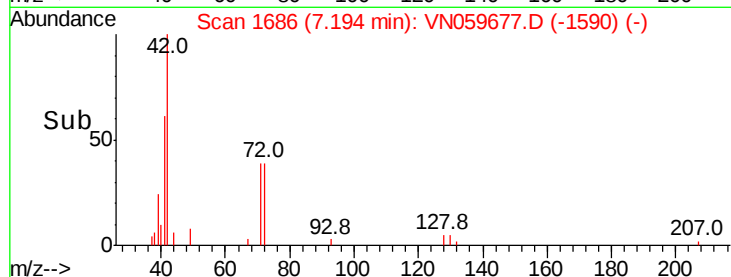
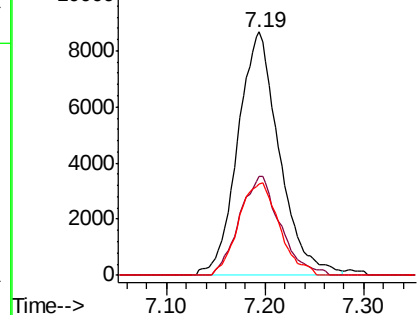
#29
Tetrahydrofuran
Concen: 14.956 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 25396
Ion Ratio Lower Upper
42 100
72 39.9 32.6 49.0
71 37.2 31.2 46.8

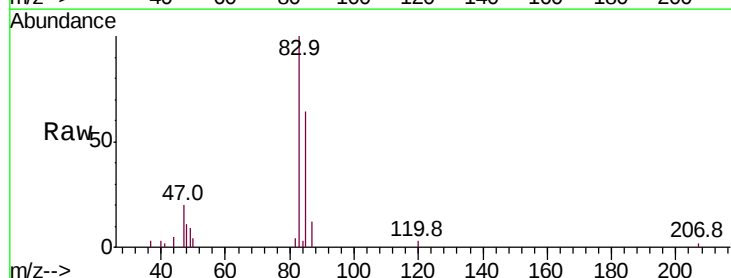


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

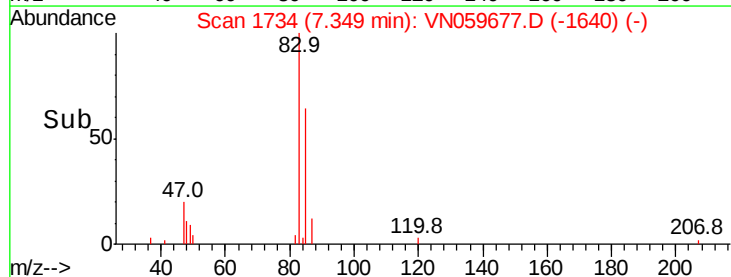
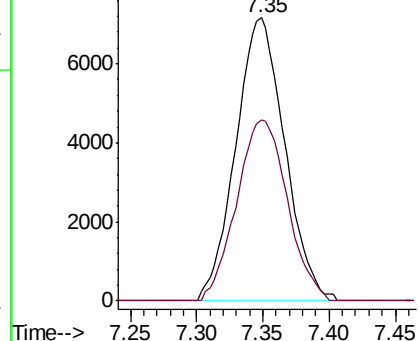


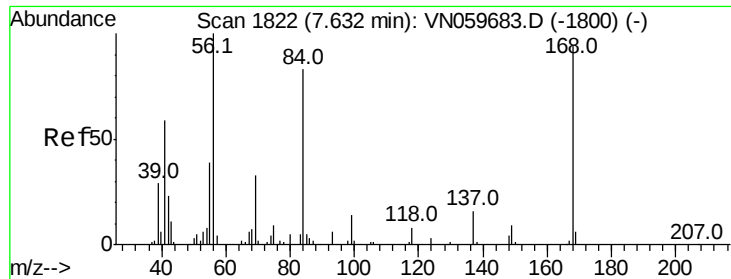
#30
Chloroform
Concen: 3.012 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 83 Resp: 18373
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.8



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





#31

Cyclohexane

Concen: 3.869 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

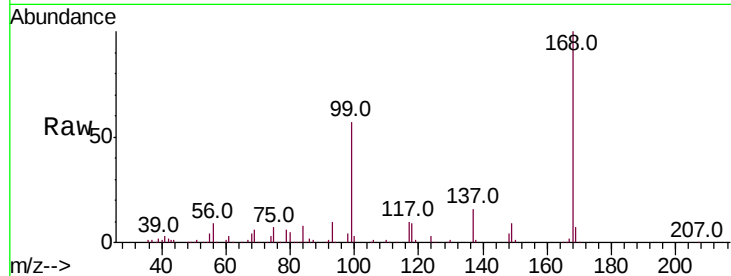
Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

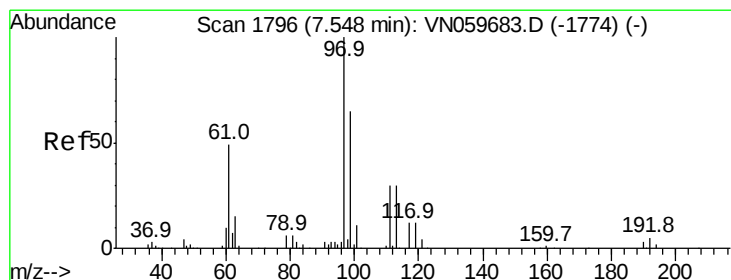
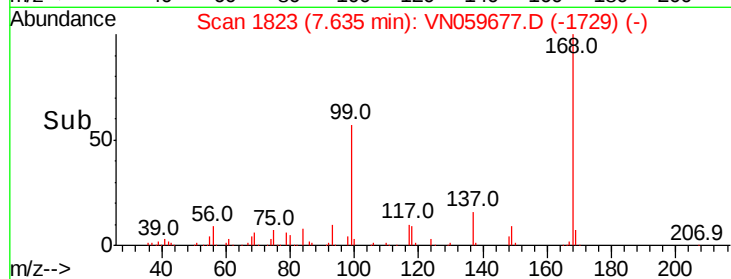
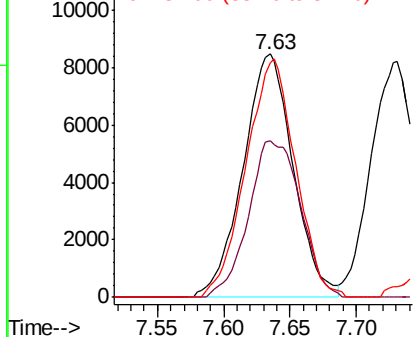
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 22290

Ion	Ratio	Lower	Upper
56	100		
69	64.3	26.4	39.6#
84	96.5	66.2	99.2



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



#32

1,1,1-Trichloroethane

Concen: 2.816 ug/l

RT: 7.54 min Scan# 1795

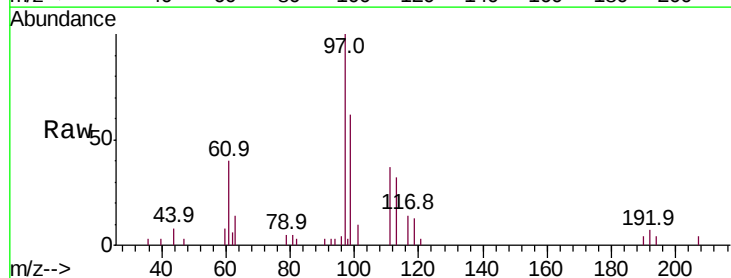
Delta R.T. -0.00 min

Lab File: VN059677.D

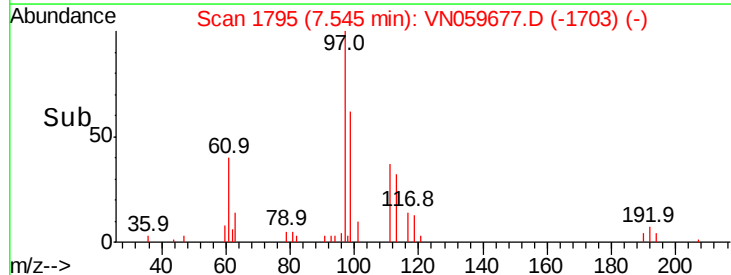
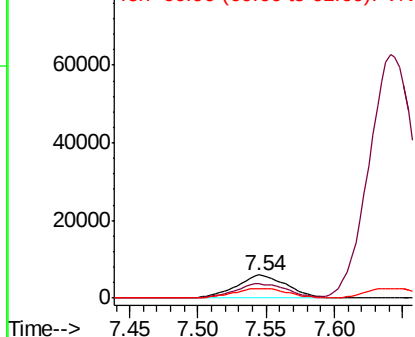
Acq: 20 Dec 2019 13:47

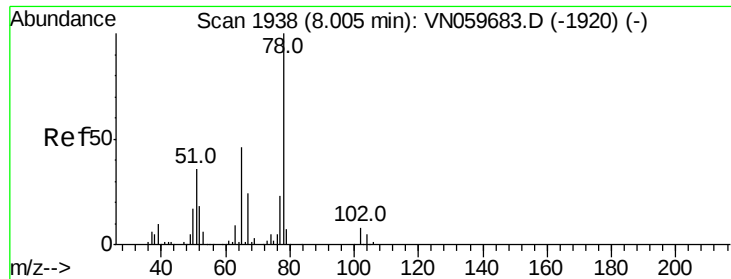
Tgt Ion: 97 Resp: 15137

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	44.8	38.9	58.3



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





#33

1,2-Dichloroethane-d4

Concen: 4.517 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

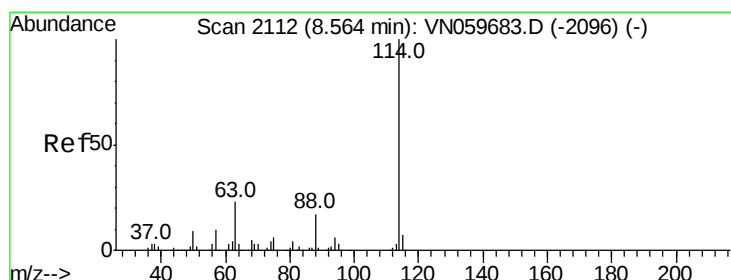
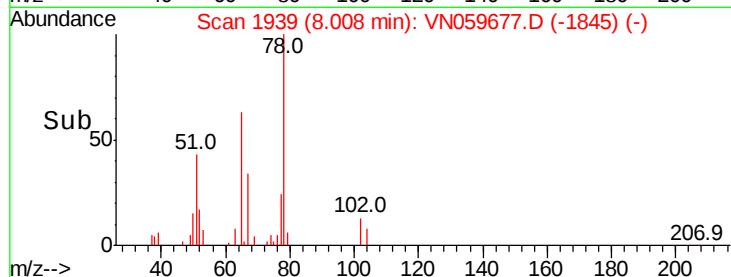
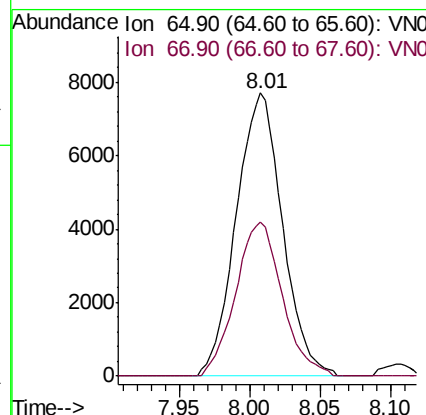
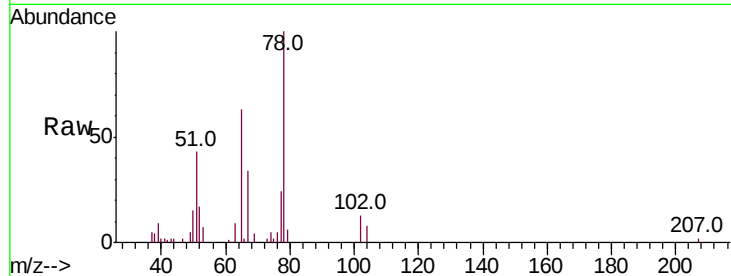
Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 17665

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

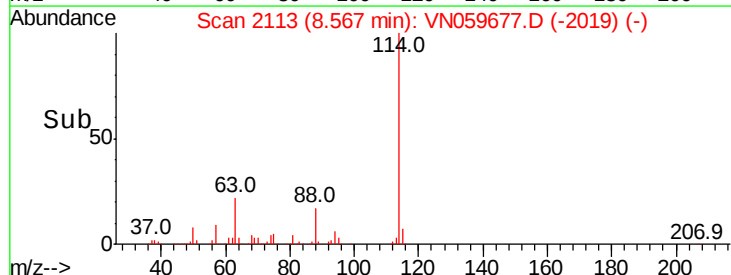
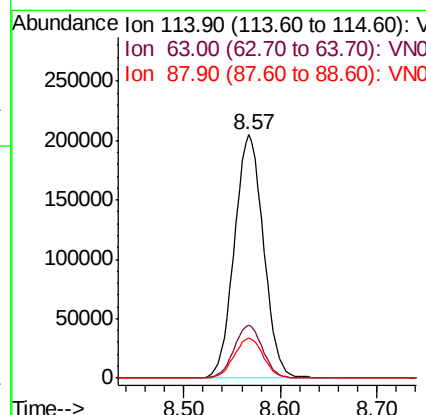
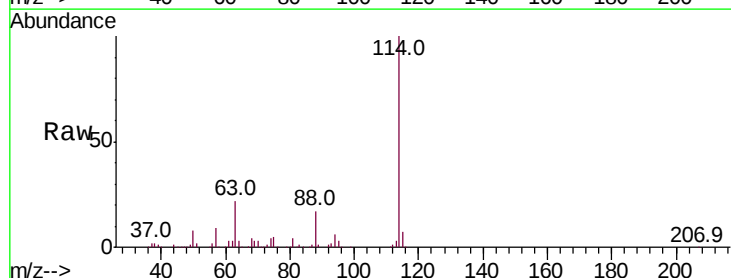
Delta R.T. 0.00 min

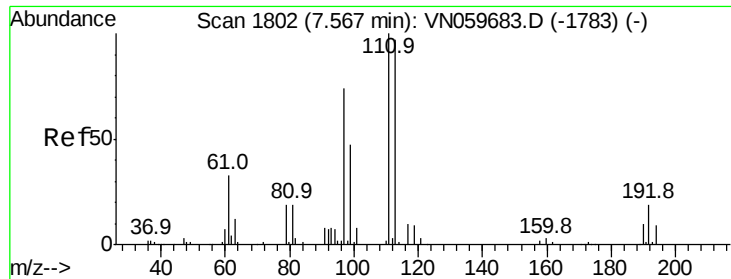
Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Tgt Ion: 114 Resp: 428713

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	46.2
88	16.6	0.0	33.6





#35

Dibromofluoromethane

Concen: 5.339 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

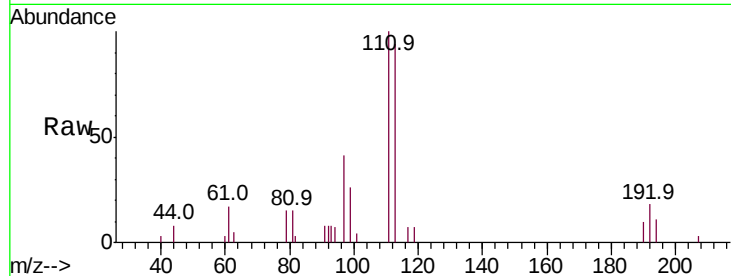
Tot Ion:113 Resp: 14066

Ion Ratio Lower Upper

113 100

111 106.8 81.4 122.0

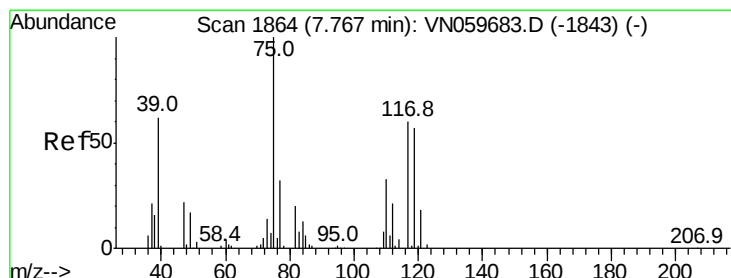
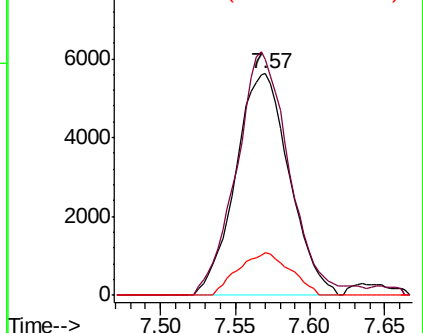
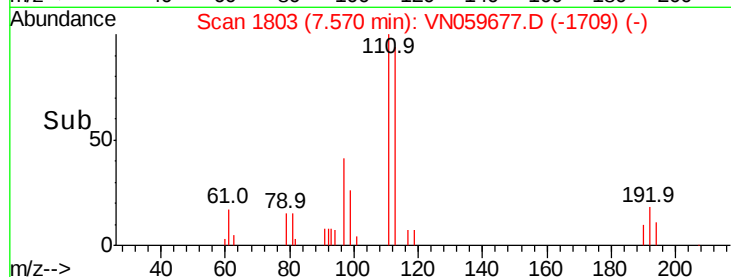
192 18.6 14.9 22.3



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: 3.020 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.01 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

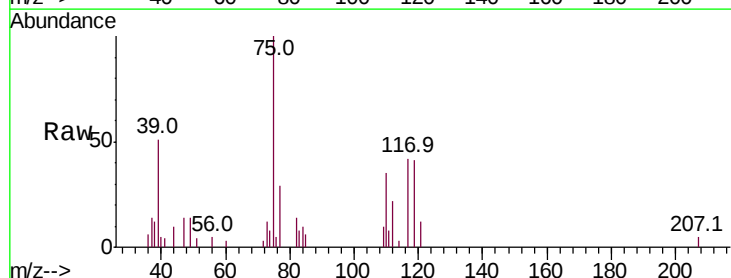
Tgt Ion: 75 Resp: 13393

Ion Ratio Lower Upper

75 100

110 32.9 16.2 48.5

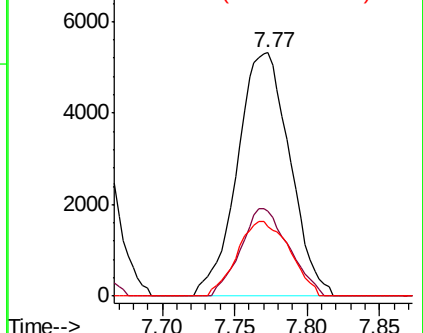
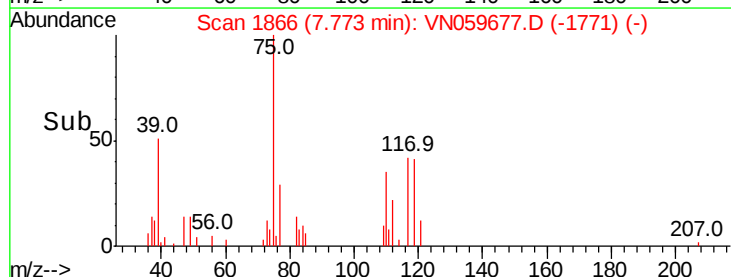
77 30.6 24.6 37.0

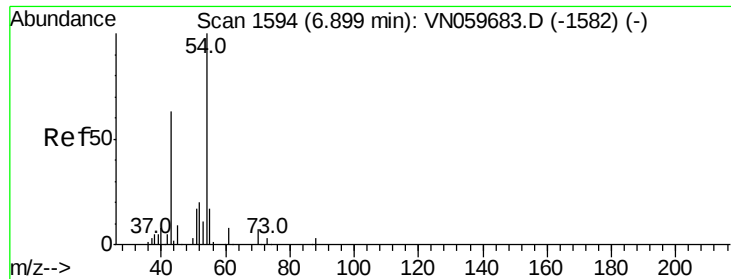


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

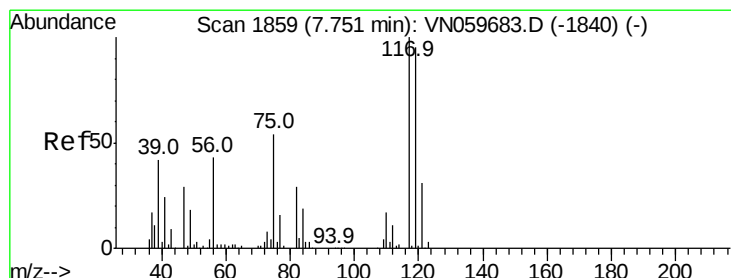
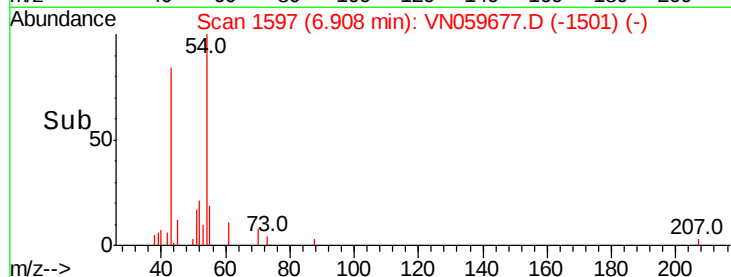
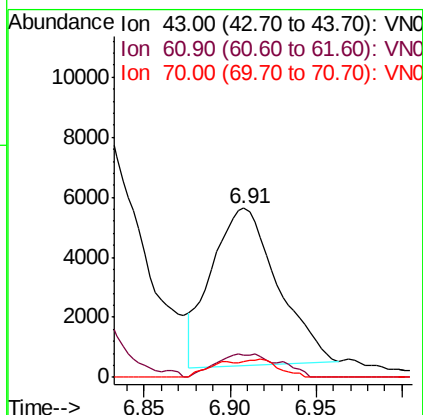
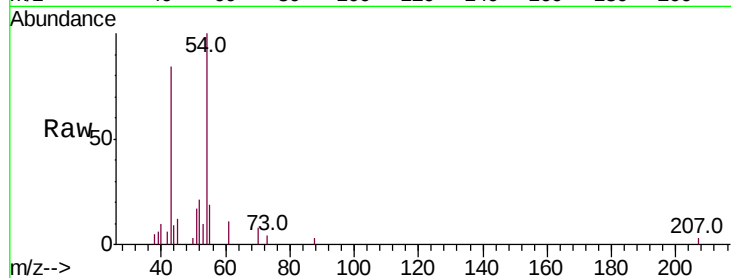




#37
Ethyl Acetate
Concen: 2.721 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

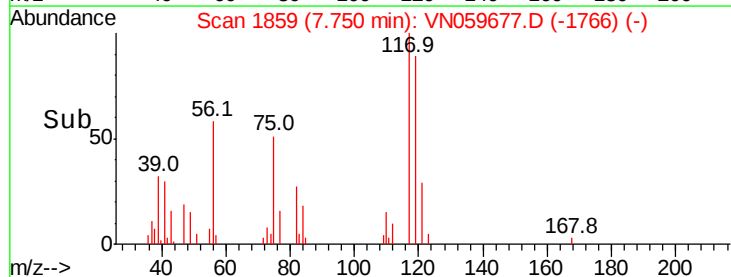
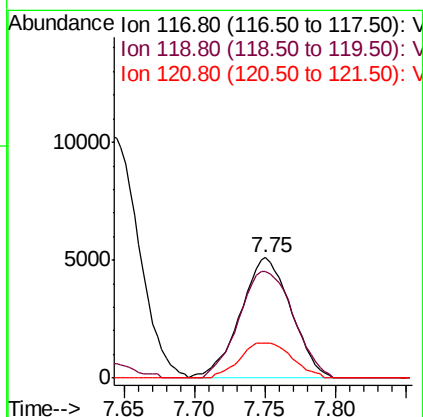
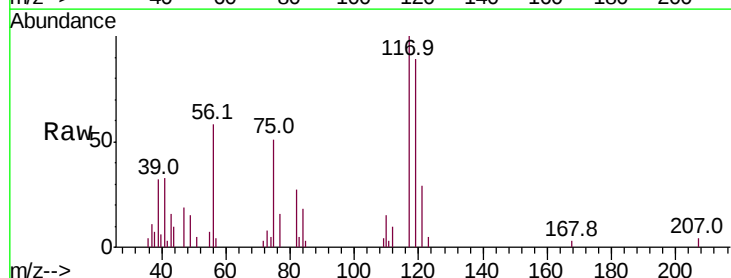
Instrument :
MSVOA_X
ClientSampleId :

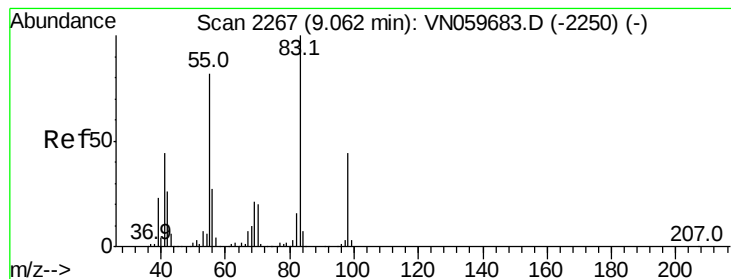
Tot Ion: 43 Resp: 14056
Ion Ratio Lower Upper
43 100
61 14.3 10.2 15.4
70 4.2 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 2.790 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 117 Resp: 12866
Ion Ratio Lower Upper
117 100
119 88.8 76.1 114.1
121 28.7 24.5 36.7





#39

Methvlcvclohexane

Concen: 2.764 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampled :

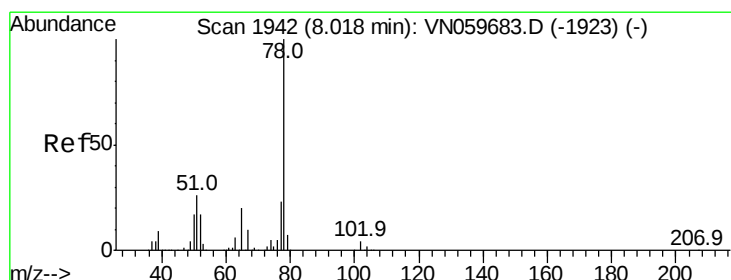
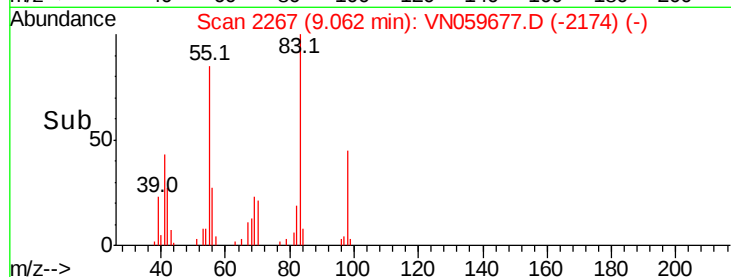
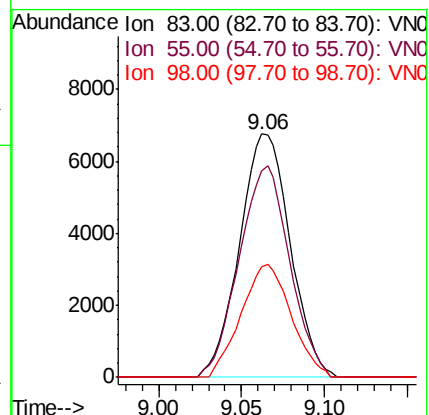
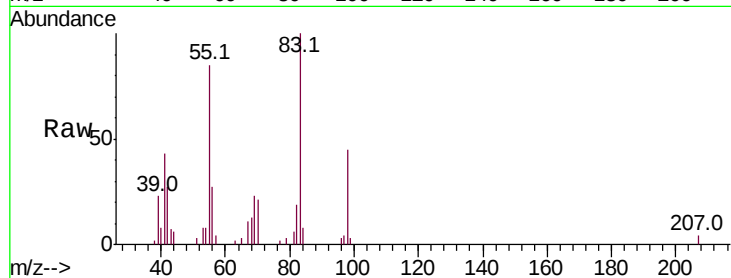
Tot Ion: 83 Resp: 14386

Ion Ratio Lower Upper

83 100

55 84.6 65.5 98.3

98 45.5 35.0 52.4



#40

Benzene

Concen: 3.077 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059677.D

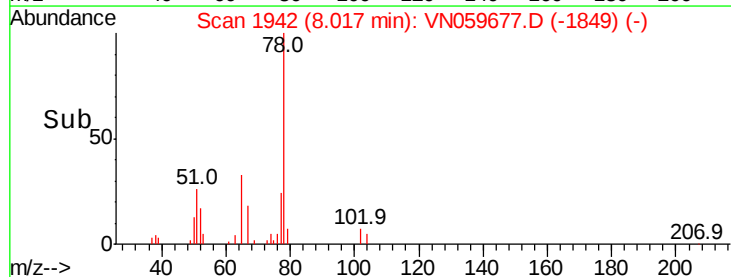
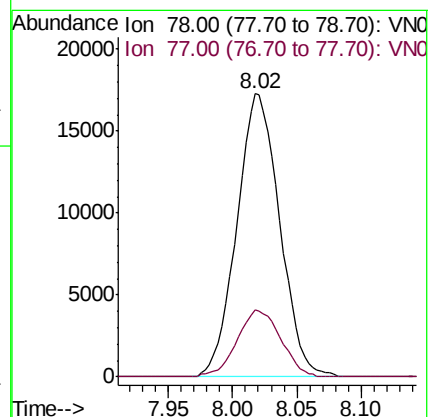
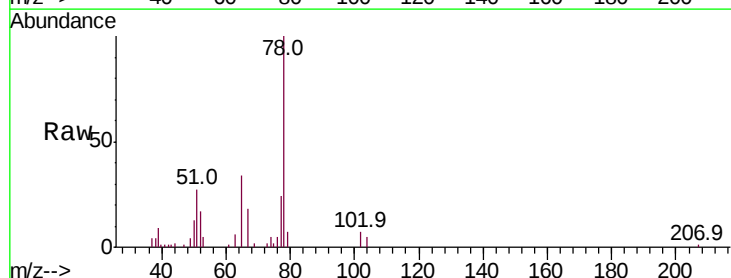
Acq: 20 Dec 2019 13:47

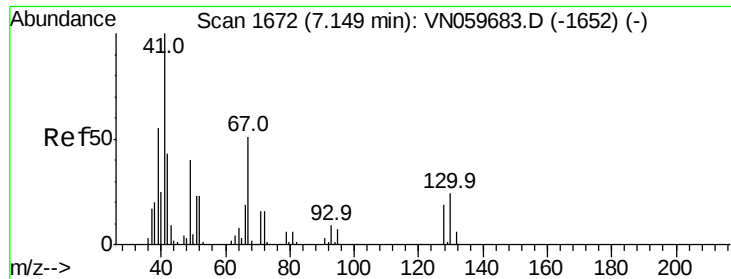
Tgt Ion: 78 Resp: 39905

Ion Ratio Lower Upper

78 100

77 23.5 18.6 28.0

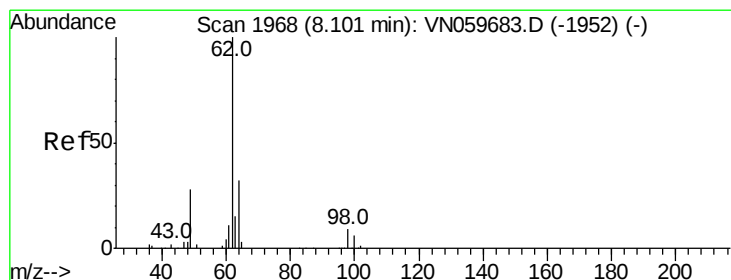
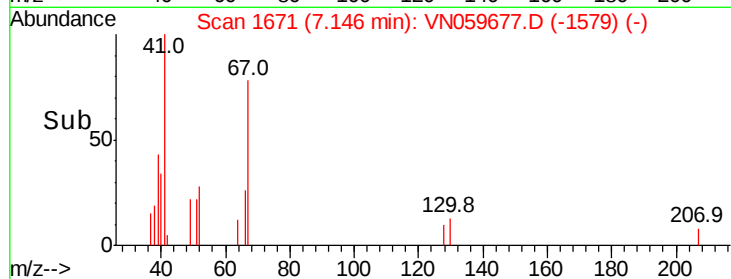
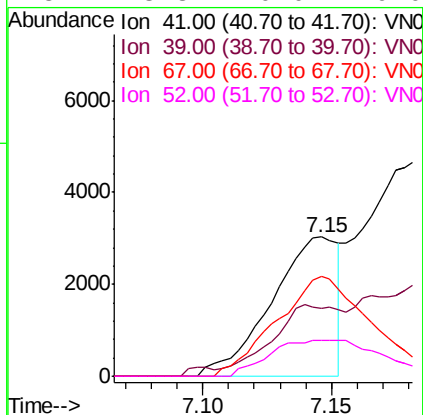
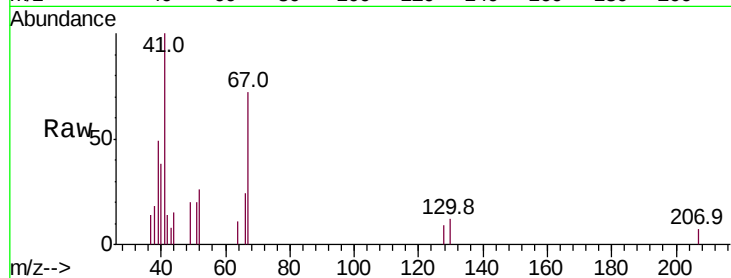




#41
Methacrylonitrile
Concen: 2.567 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

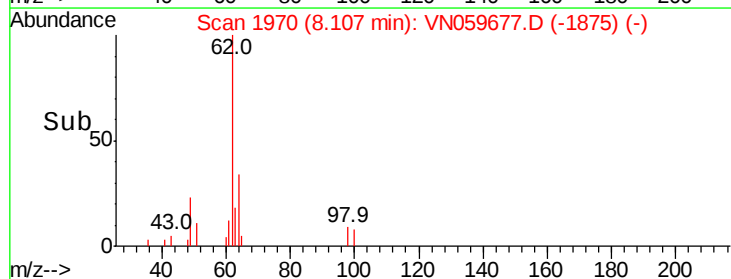
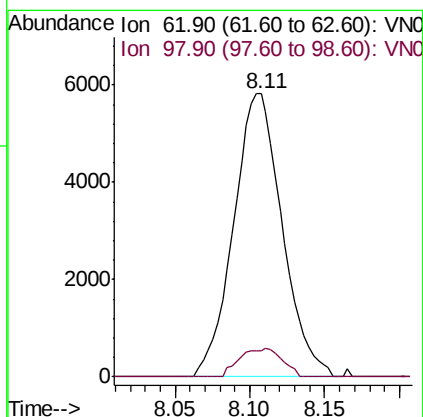
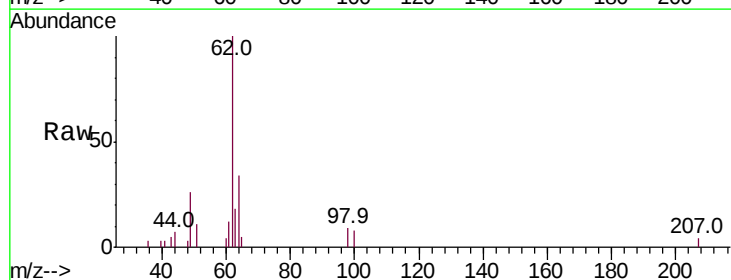
Instrument :
MSVOA_X
ClientSampled :

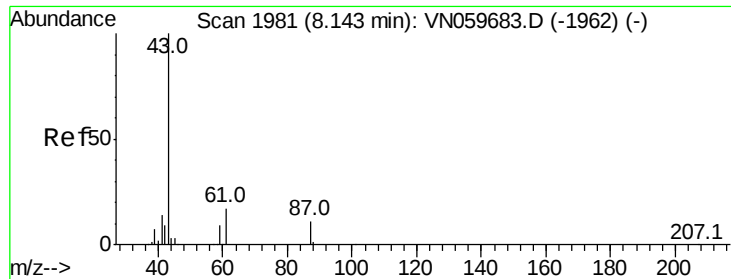
Tot Ion:	41	Resp:	5411
Ion	Ratio	Lower	Upper
41	100		
39	46.4	0.0	0.0#
67	105.3	0.0	0.0#
52	43.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 2.608 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion:	62	Resp:	13154
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 2.637 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

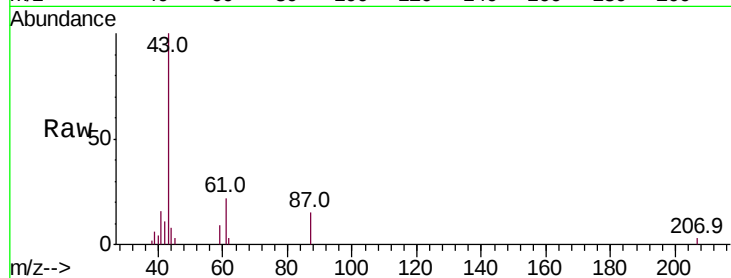
Tot Ion: 43 Resp: 21519

Ion Ratio Lower Upper

43 100

61 20.2 20.6 30.8#

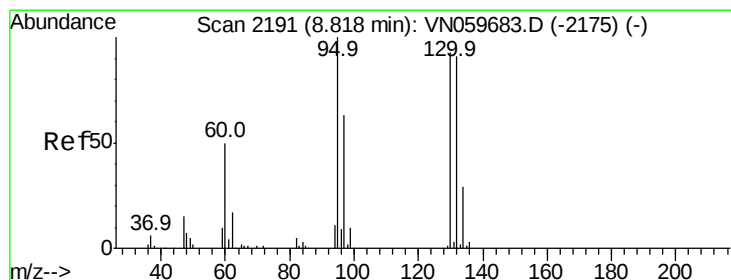
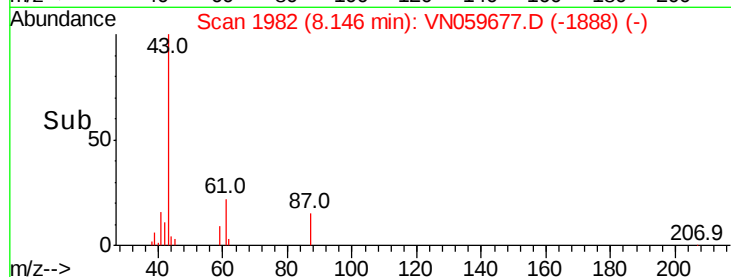
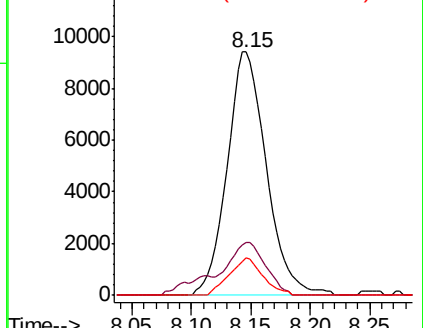
87 13.2 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN059683.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059683.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059683.D (-1962) (-)



#44

Trichloroethene

Concen: 3.176 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059677.D

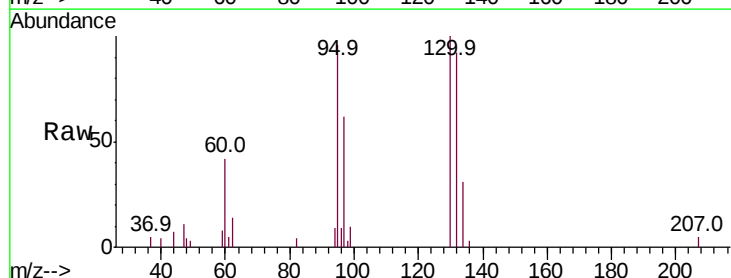
Acq: 20 Dec 2019 13:47

Tgt Ion:130 Resp: 10715

Ion Ratio Lower Upper

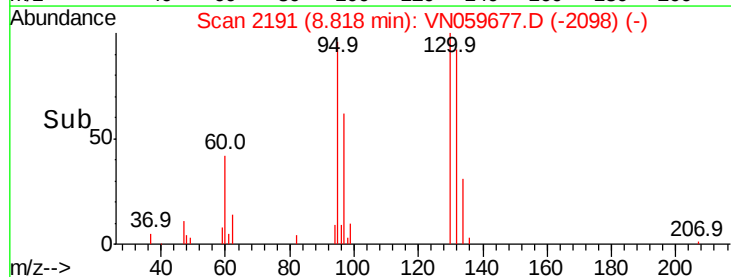
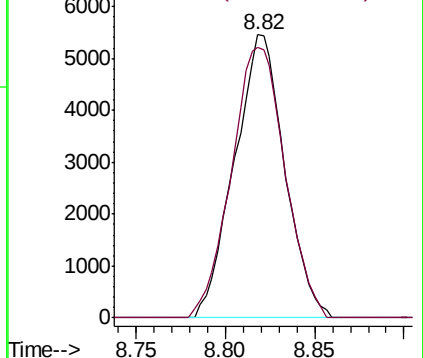
130 100

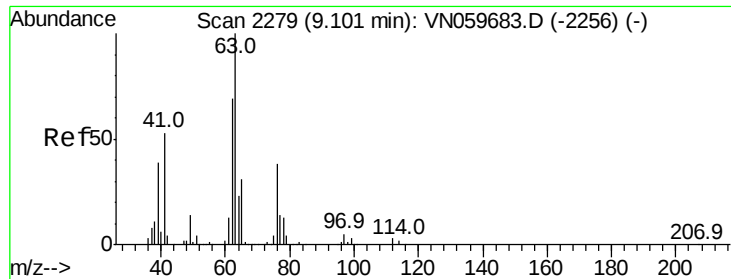
95 95.5 0.0 214.8



Abundance Ion 129.80 (129.50 to 130.50): VN059683.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059683.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 3.122 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

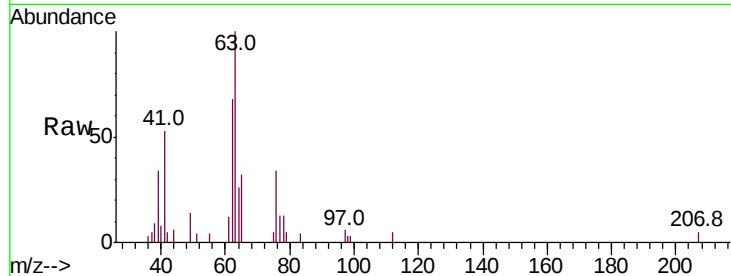
ClientSampleId :

Tot Ion: 63 Resp: 11338

Ion Ratio Lower Upper

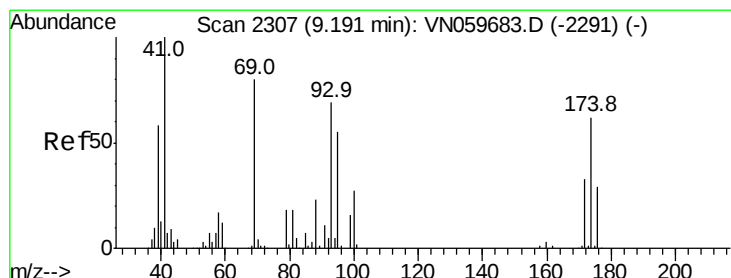
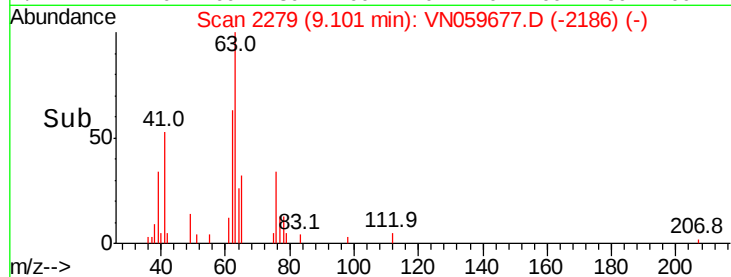
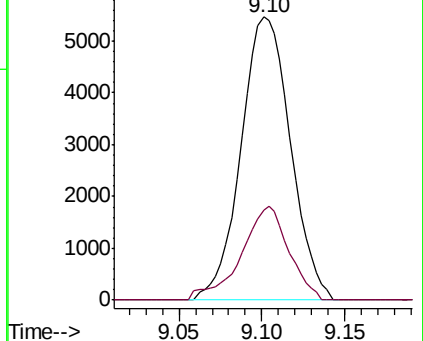
63 100

65 31.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 2.786 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

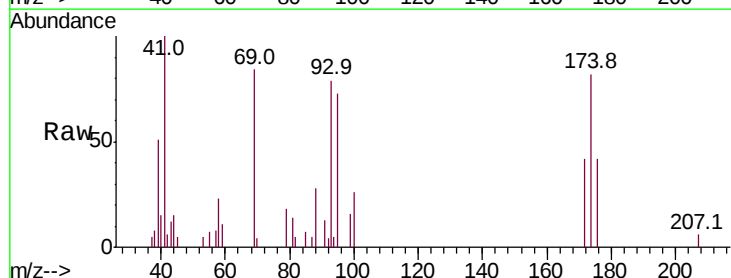
Tgt Ion: 93 Resp: 6466

Ion Ratio Lower Upper

93 100

95 85.4 65.2 97.8

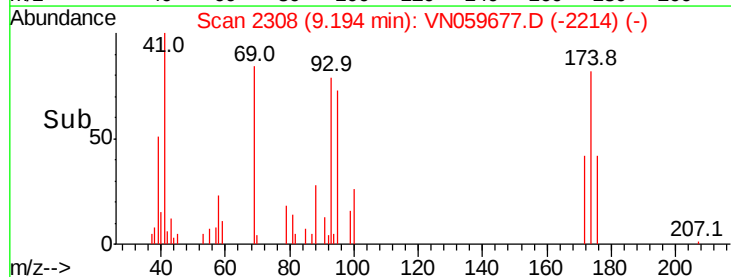
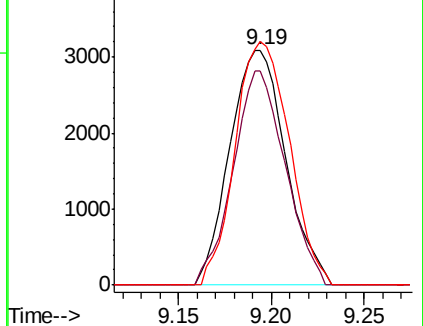
174 100.7 73.1 109.7

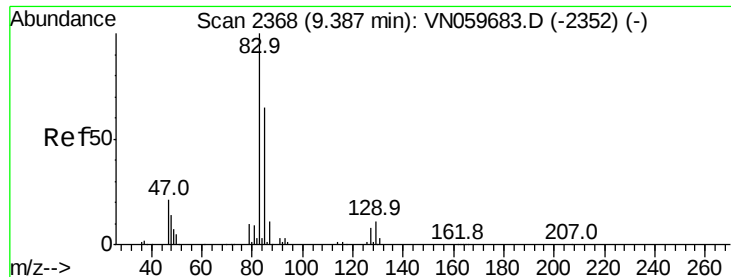


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.681 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

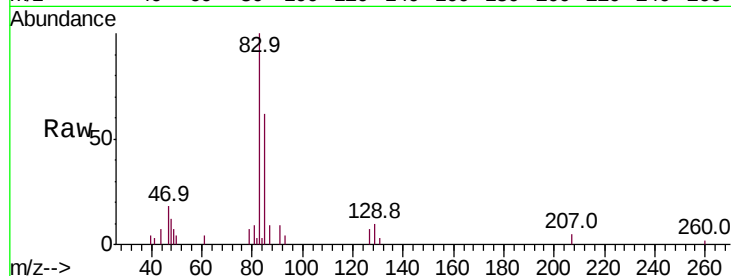
Tot Ion: 83 Resp: 12427

Ion Ratio Lower Upper

83 100

85 62.3 52.1 78.1

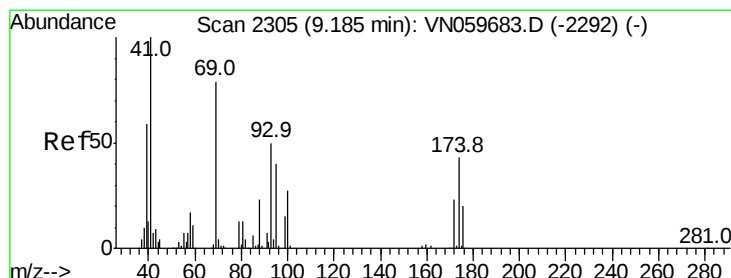
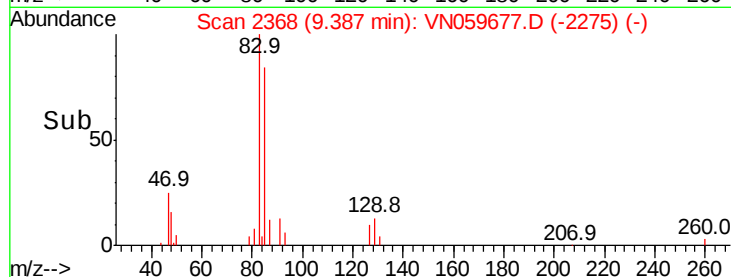
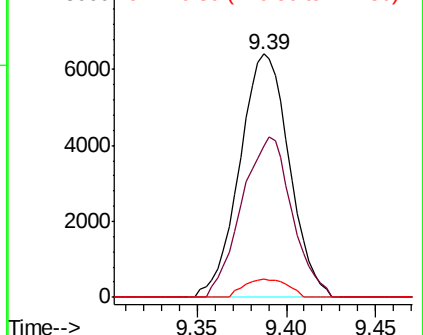
127 7.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN059677.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059677.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059677.D (-2275) (-)



#48

Methyl methacrylate

Concen: 2.483 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

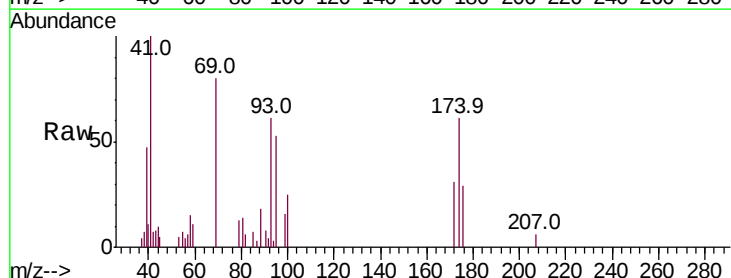
Tgt Ion: 41 Resp: 9142

Ion Ratio Lower Upper

41 100

69 82.4 63.0 94.6

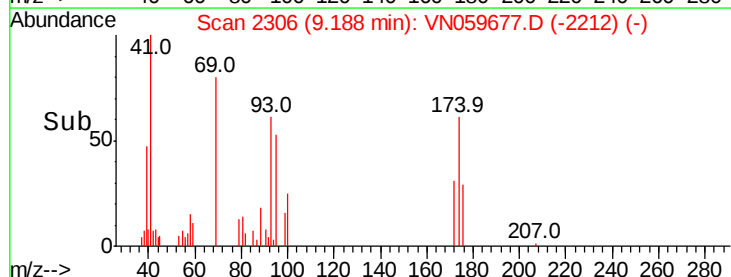
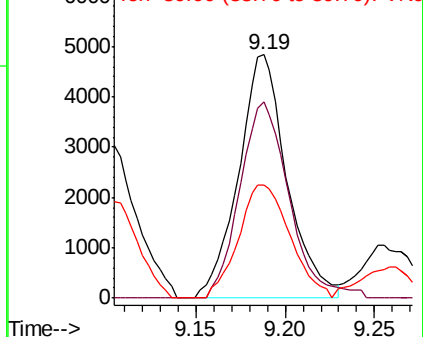
39 49.5 48.0 72.0

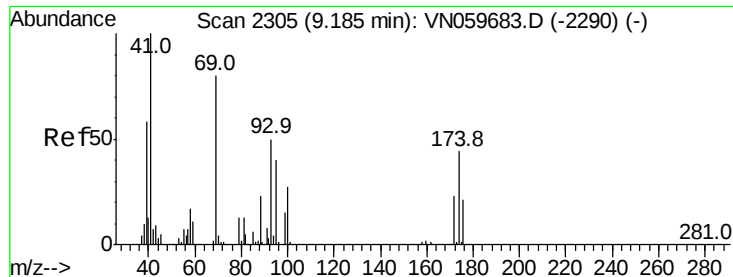


Abundance Ion 41.00 (40.70 to 41.70): VN059677.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059677.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059677.D (-2212) (-)

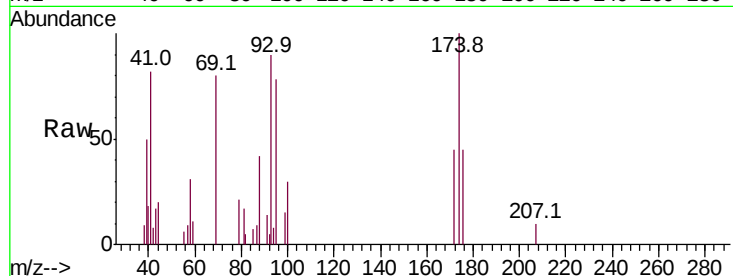




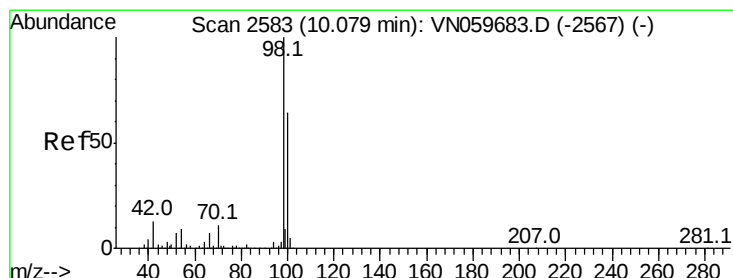
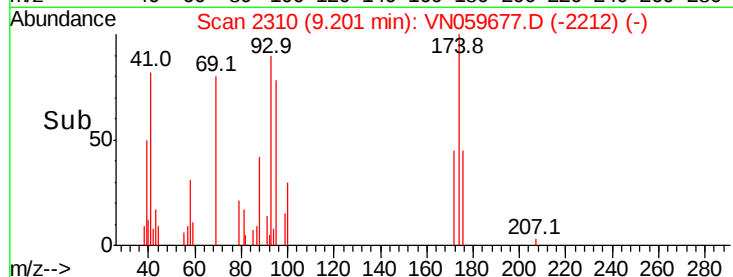
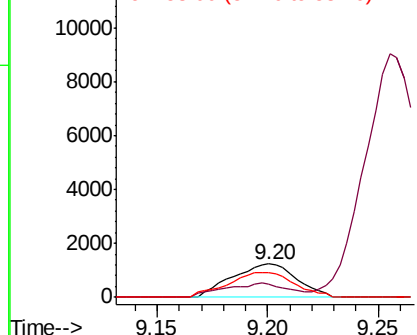
#49
1,4-Dioxane
Concen: 48.971 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.02 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 2514
Ion Ratio Lower Upper
88 100
43 41.9 30.2 45.4
58 76.7 60.1 90.1

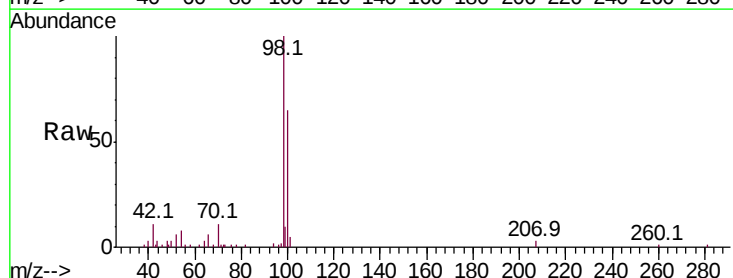


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

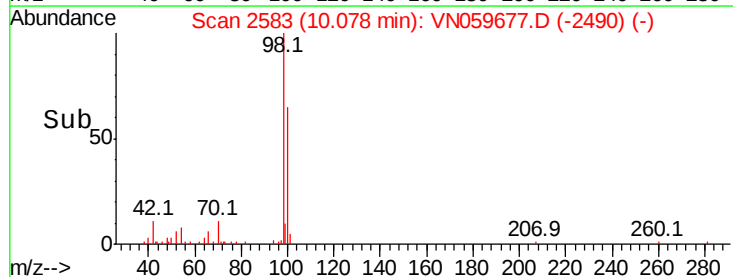
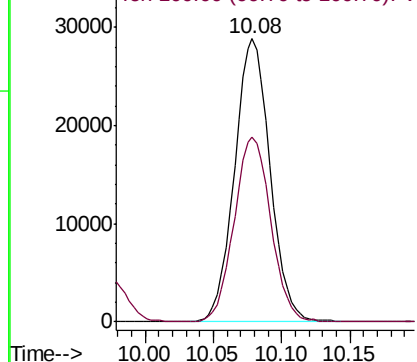


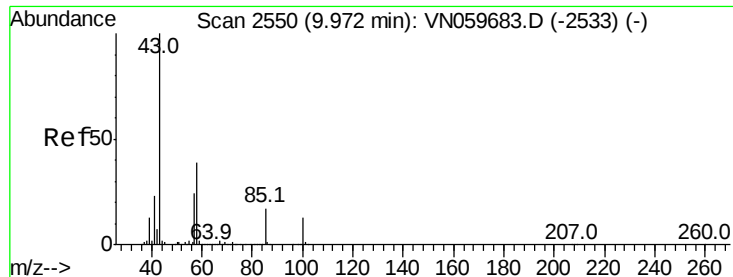
#50
Toluene-d8
Concen: 4.995 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 98 Resp: 52197
Ion Ratio Lower Upper
98 100
100 67.4 51.8 77.6



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





#51

4-Methyl-2-Pentanone

Concen: 12.616 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

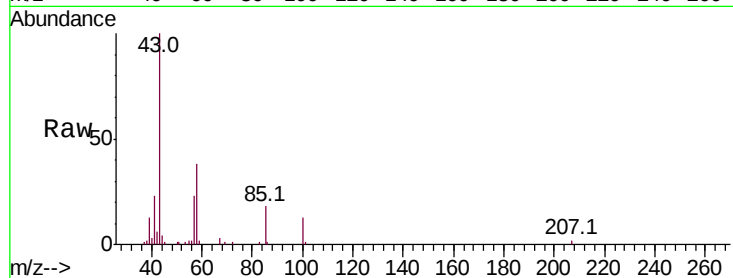
ClientSampleId :

Tot Ion: 43 Resp: 61091

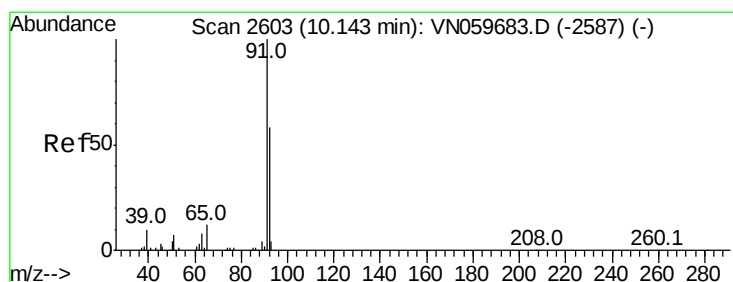
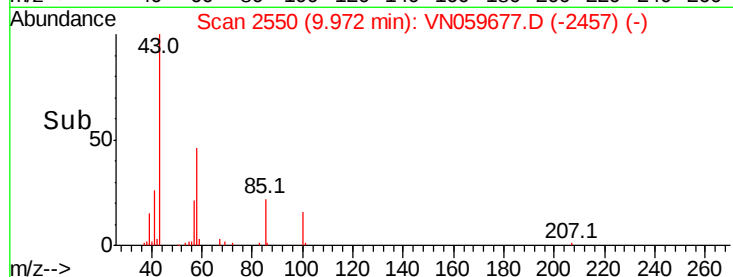
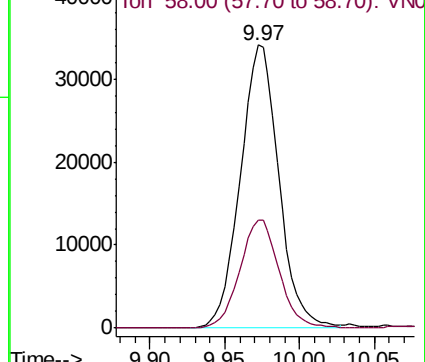
Ion Ratio Lower Upper

43 100

58 38.9 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN059683.D (-2533) (-)



#52

Toluene

Concen: 2.826 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059677.D

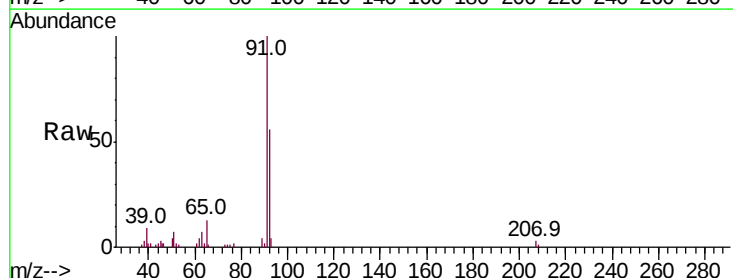
Acq: 20 Dec 2019 13:47

Tgt Ion: 92 Resp: 23157

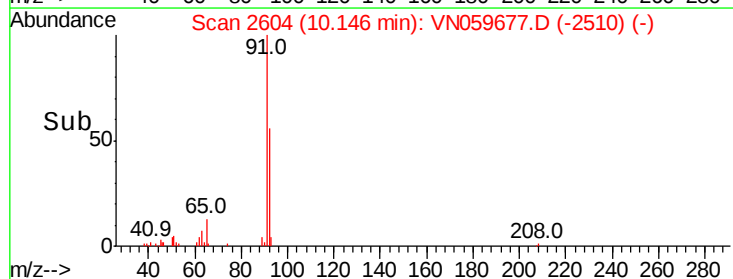
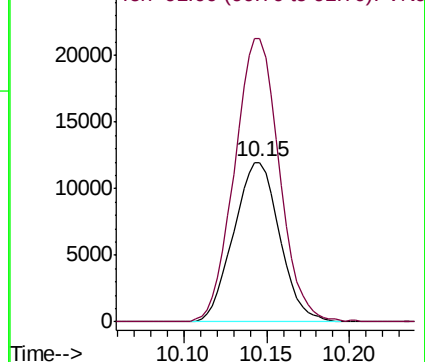
Ion Ratio Lower Upper

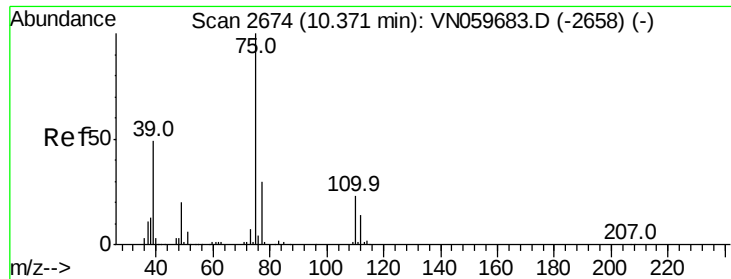
92 100

91 172.7 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VN059683.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 2.582 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

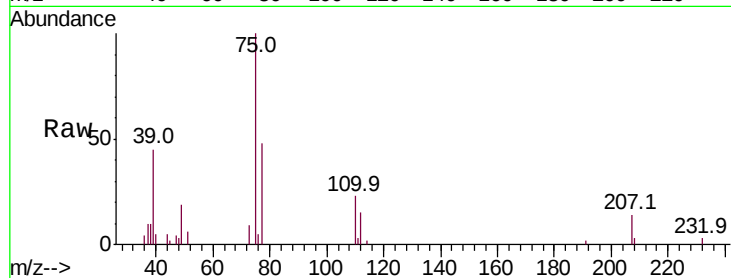
ClientSampleId :

Tot Ion: 75 Resp: 13866

Ion Ratio Lower Upper

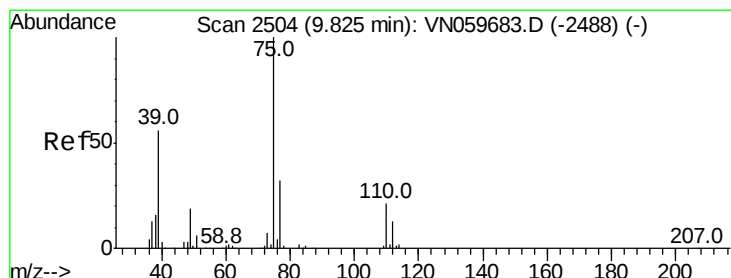
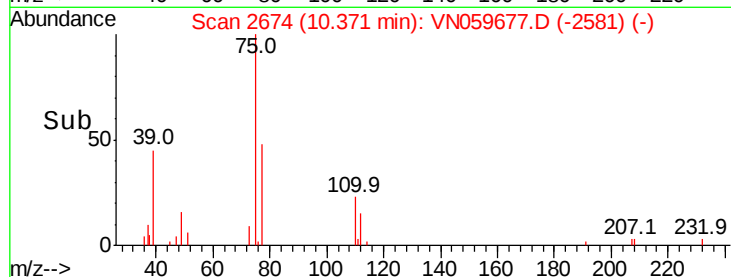
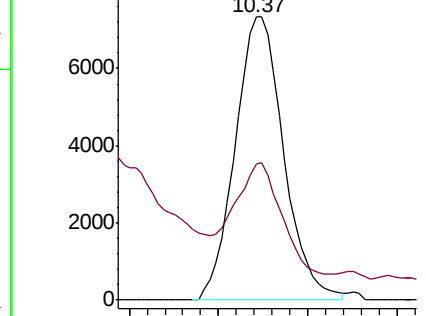
75 100

77 38.6 24.9 37.3#



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: 2.809 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

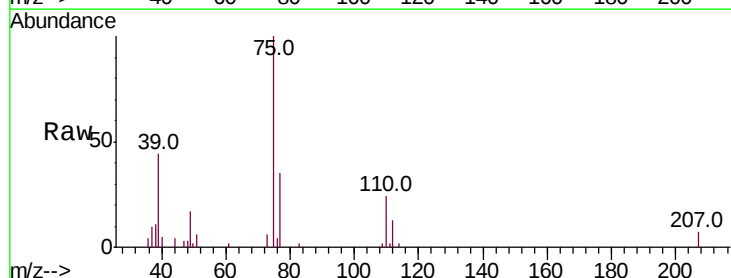
Tgt Ion: 75 Resp: 15707

Ion Ratio Lower Upper

75 100

77 34.6 25.6 38.4

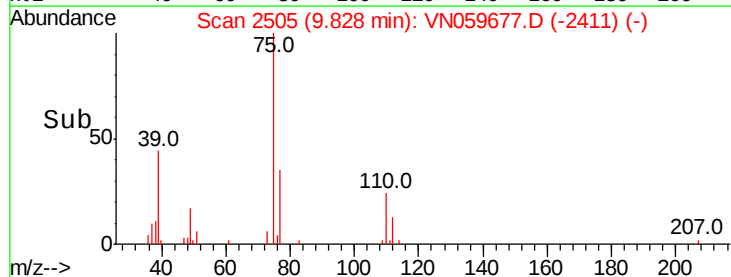
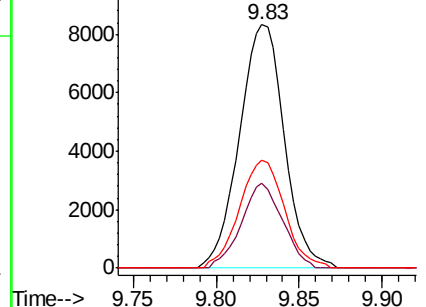
39 44.4 44.6 66.8#

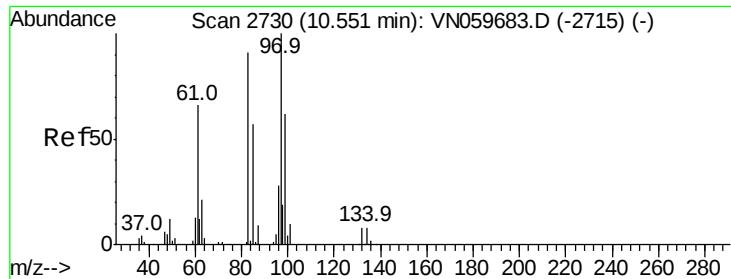


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

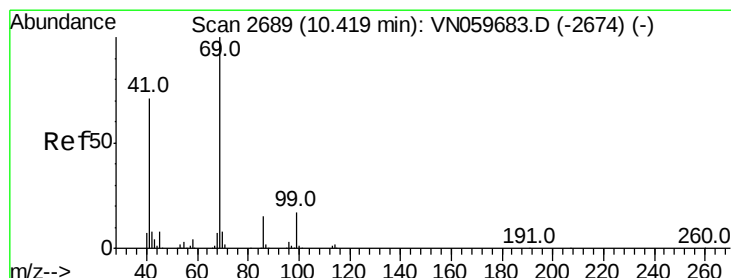
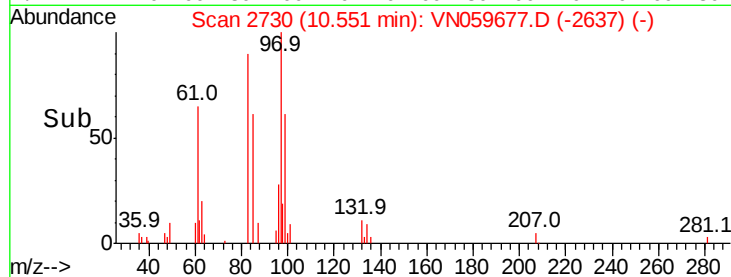
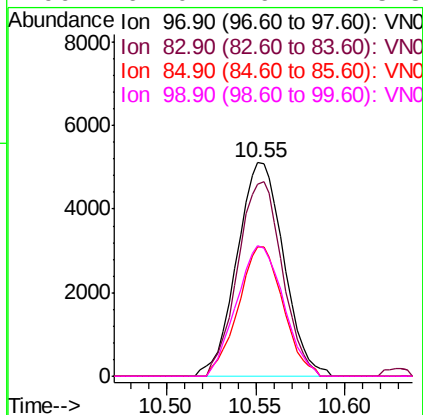
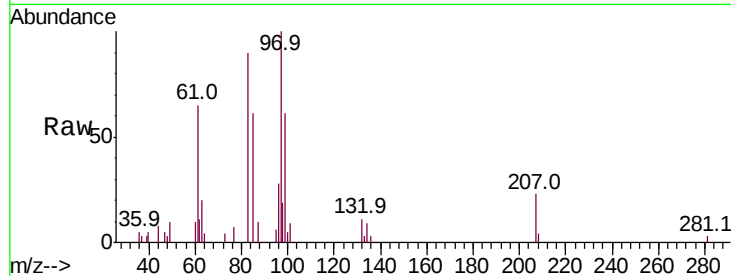




#55
 1,1,2-Trichloroethane
 Concen: 2.953 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

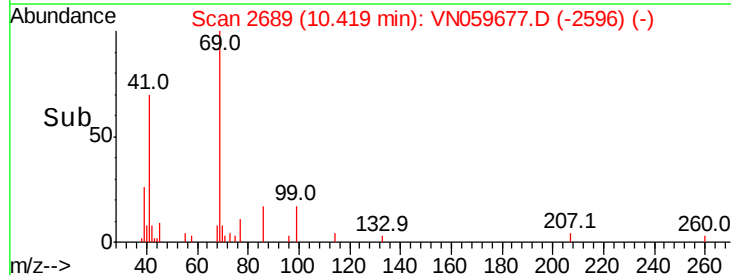
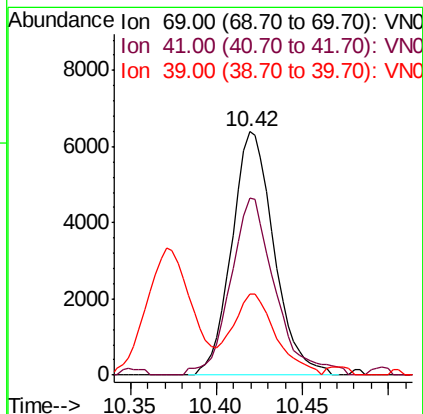
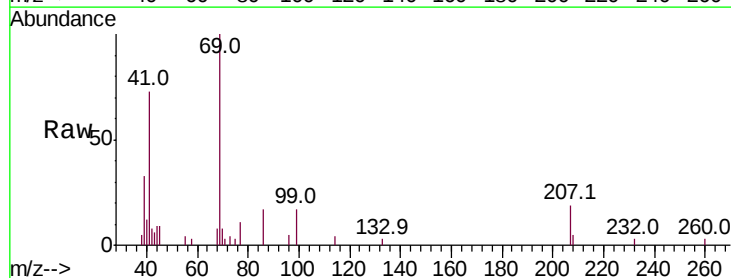
Instrument :
 MSVOA_X
 ClientSampleId :

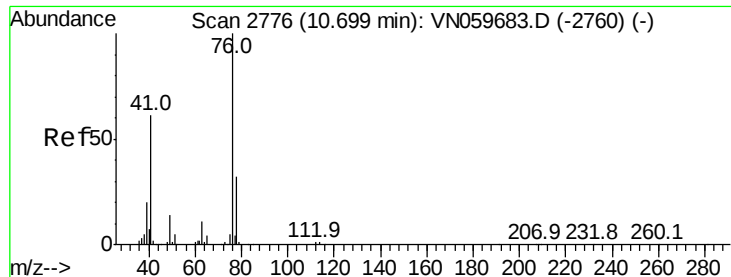
Tot Ion:	97	Resp:	9377
Ion	Ratio	Lower	Upper
97	100		
83	89.7	72.6	108.8
85	60.8	45.7	68.5
99	61.0	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 2.338 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion:	69	Resp:	10924
Ion	Ratio	Lower	Upper
69	100		
41	76.4	56.7	85.1
39	34.3	32.6	48.8





#57

1,3-Dichloropropane

Concen: 2.956 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

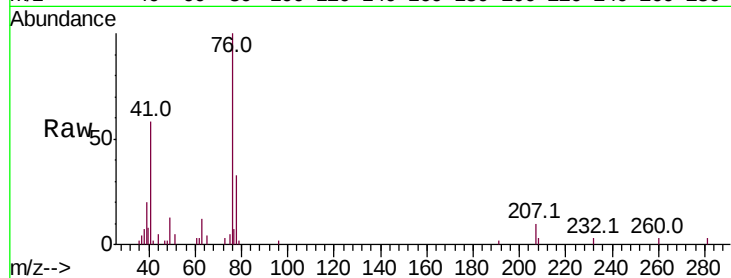
ClientSampled :

Tot Ion: 76 Resp: 16644

Ion Ratio Lower Upper

76 100

78 34.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

10000

8000

6000

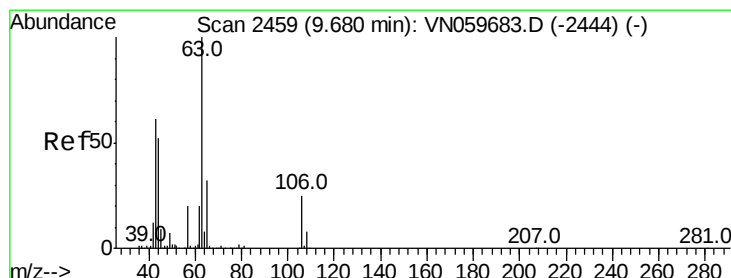
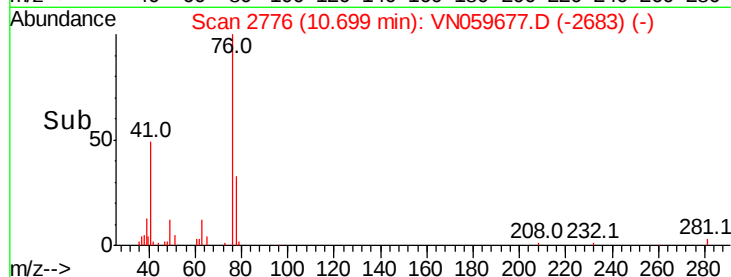
4000

2000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 14.770 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059677.D

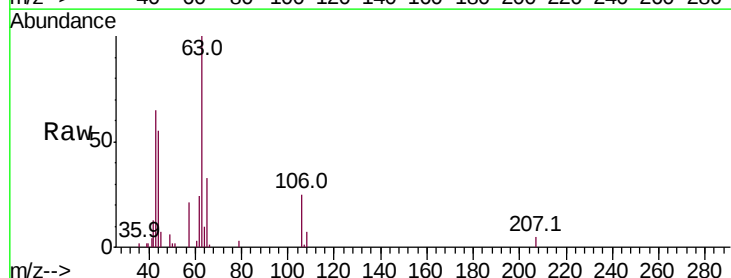
Acq: 20 Dec 2019 13:47

Tgt Ion: 63 Resp: 22641

Ion Ratio Lower Upper

63 100

106 23.9 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

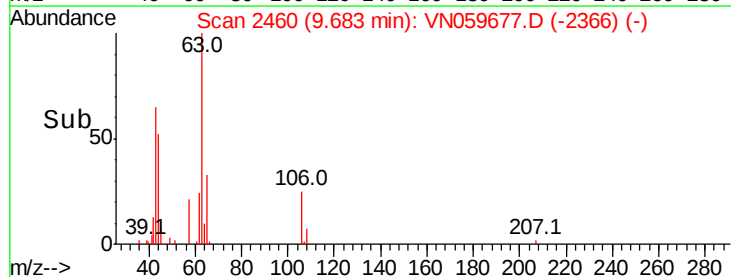
10000

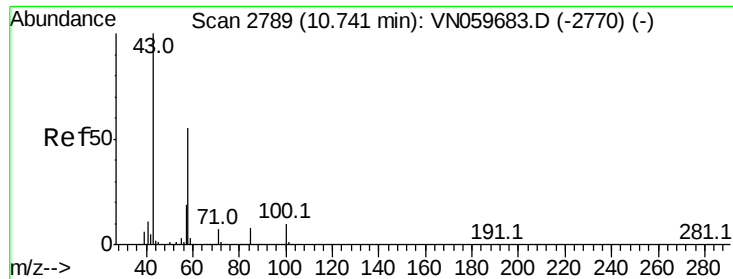
5000

0

Time-->

9.60 9.65 9.70 9.75

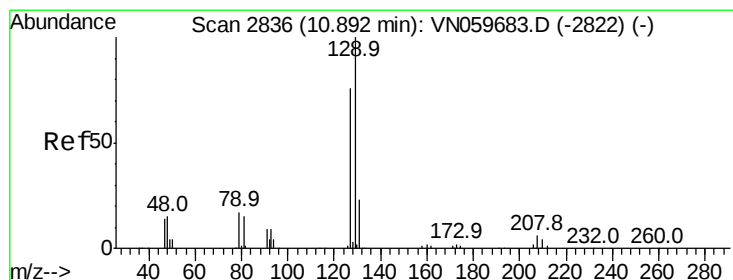
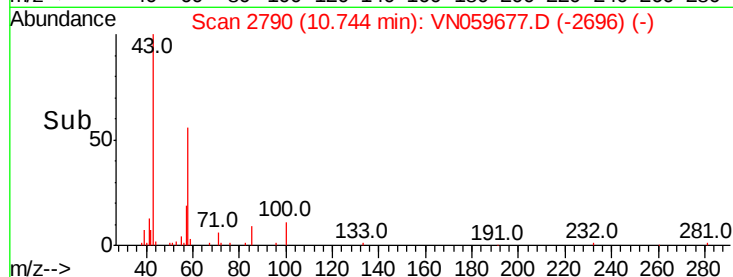
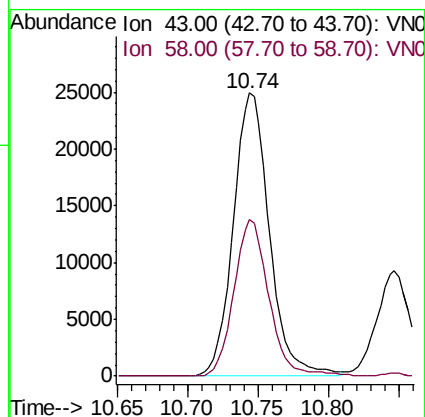
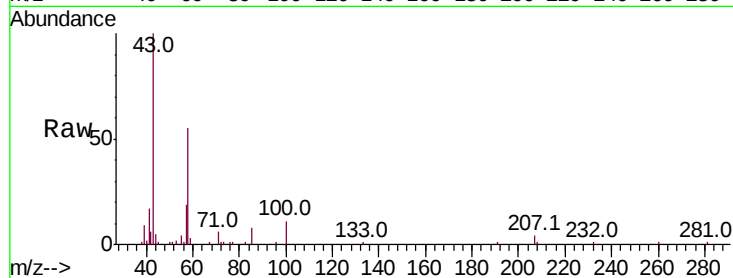




#59
2-Hexanone
Concen: 11.702 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

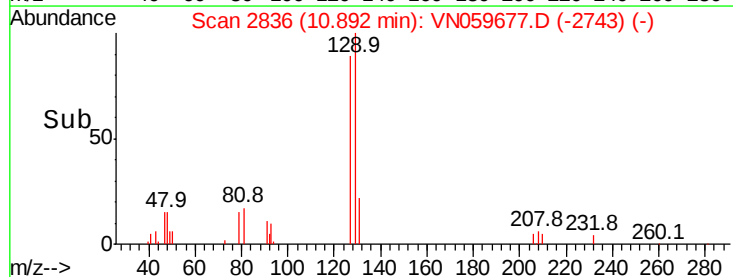
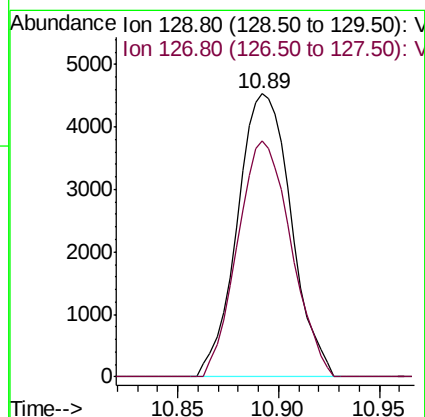
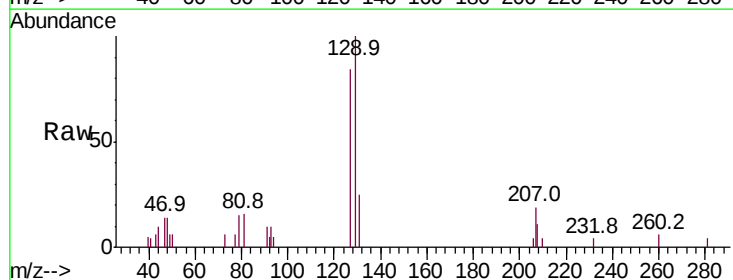
Instrument :
MSVOA_X
ClientSampleId :

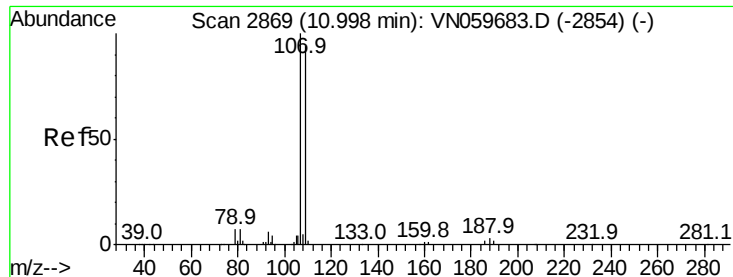
Tot Ion: 43 Resp: 44708
Ion Ratio Lower Upper
43 100
58 53.4 27.6 82.7



#60
Dibromochloromethane
Concen: 2.431 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion: 129 Resp: 8452
Ion Ratio Lower Upper
129 100
127 82.8 38.4 115.2

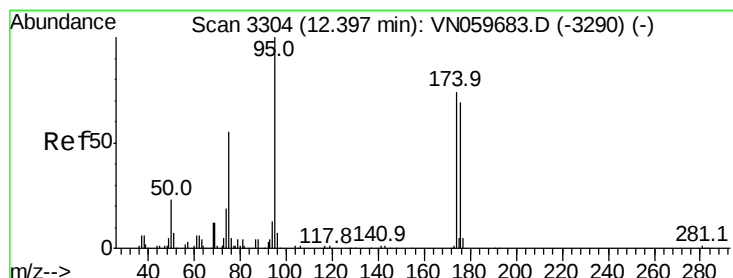
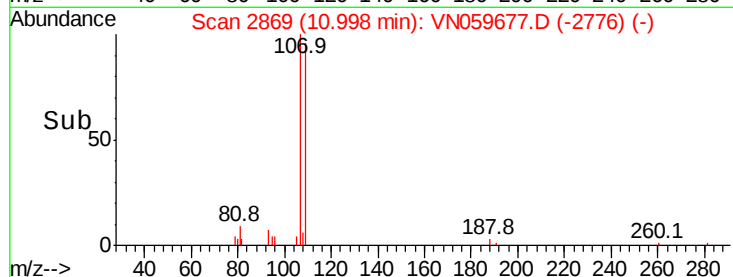
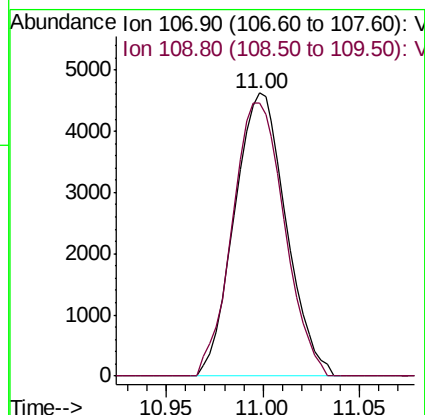
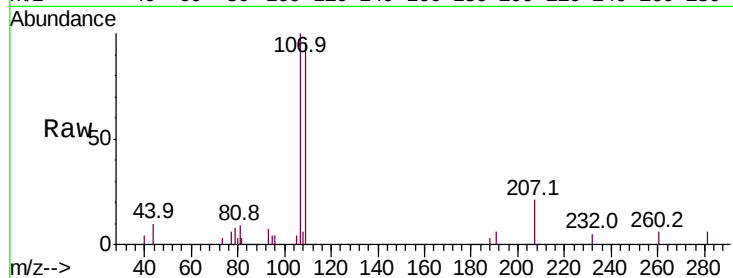




#61
 1,2-Dibromoethane
 Concen: 2.516 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

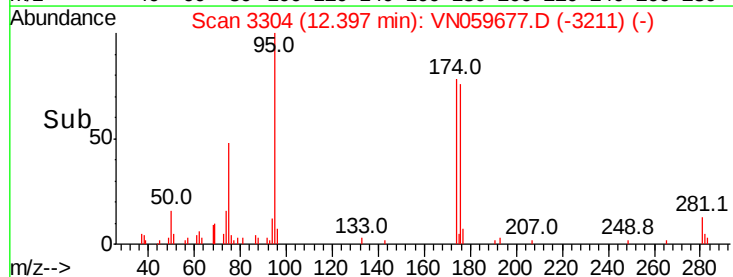
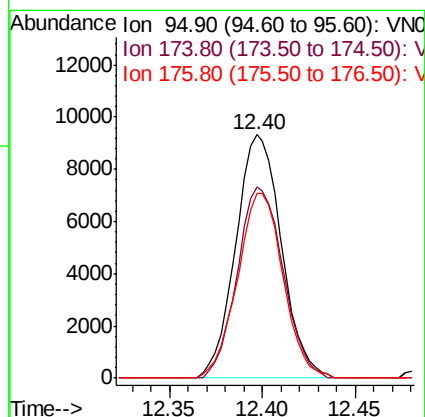
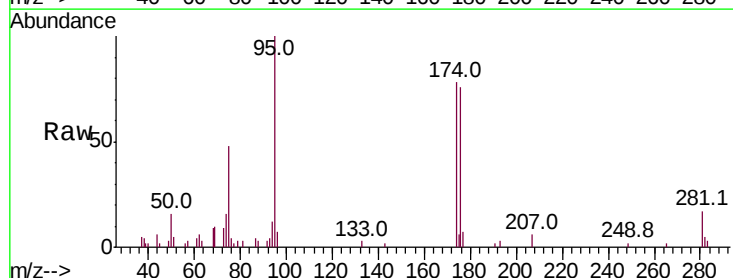
Instrument :
 MSVOA_X
 ClientSampleId :

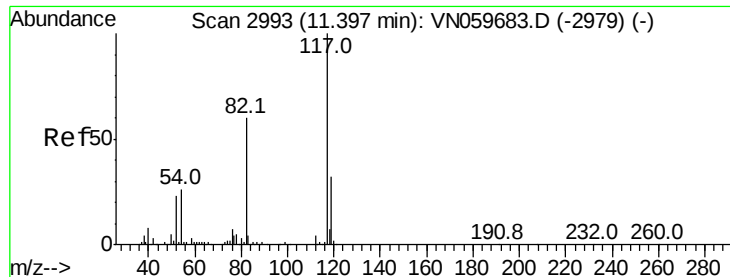
Tot Ion:107 Resp: 8586
 Ion Ratio Lower Upper
 107 100
 109 97.4 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 4.358 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion: 95 Resp: 15973
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 150.2
 176 76.0 0.0 144.0

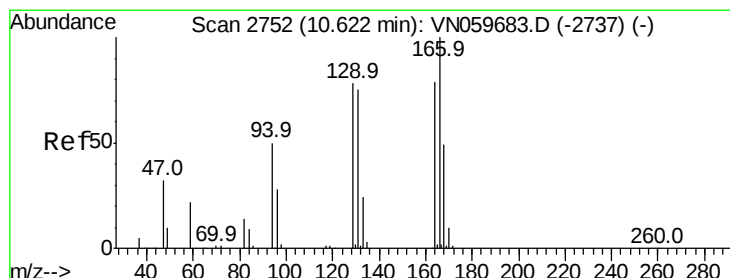
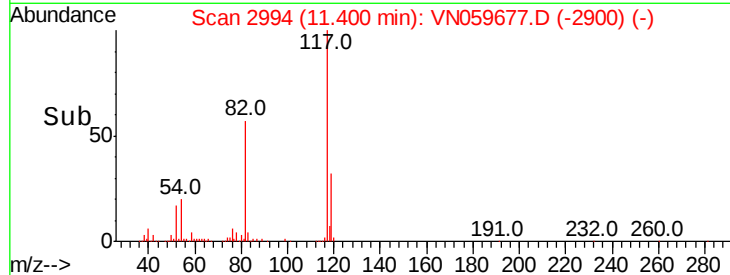
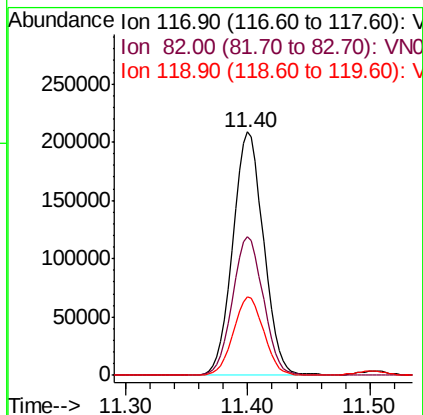
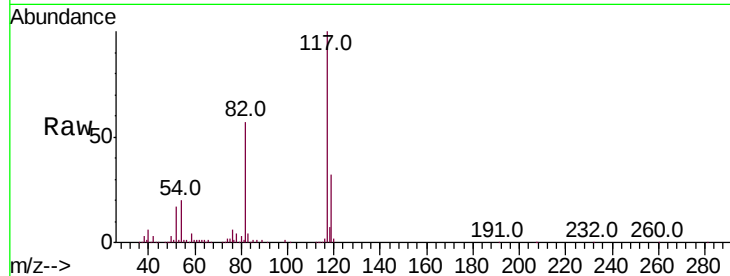




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

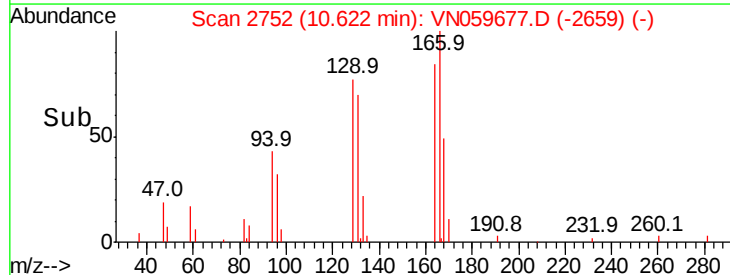
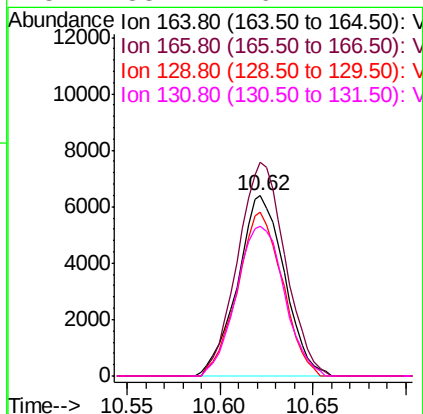
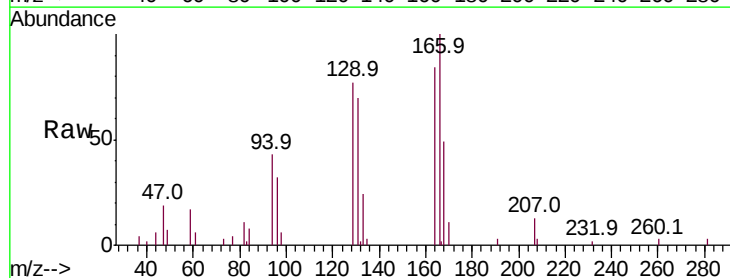
Instrument :
MSVOA_X
ClientSampleId :

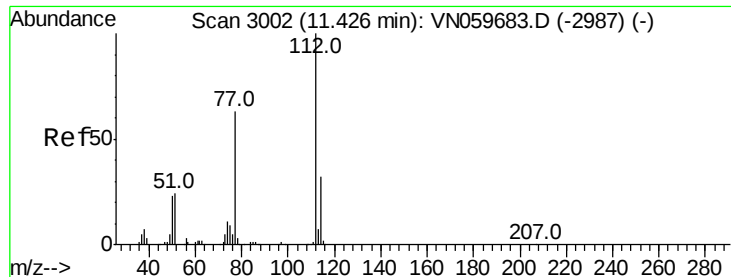
Tot Ion:117 Resp: 365924
Ion Ratio Lower Upper
117 100
82 57.1 48.2 72.2
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 3.360 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion:164 Resp: 11239
Ion Ratio Lower Upper
164 100
166 118.6 101.4 152.0
129 90.7 79.2 118.8
131 83.2 76.2 114.2

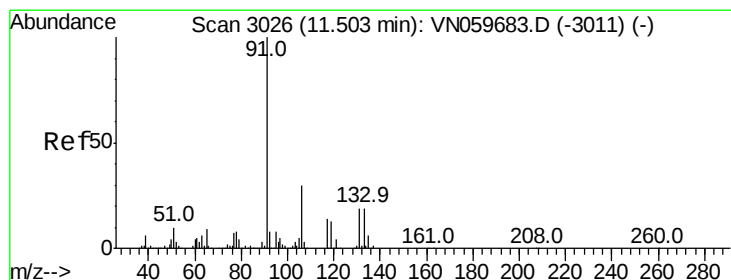
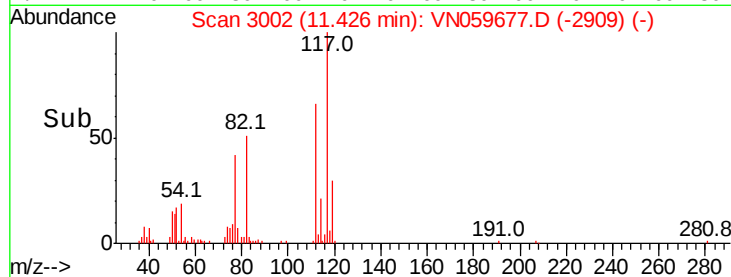
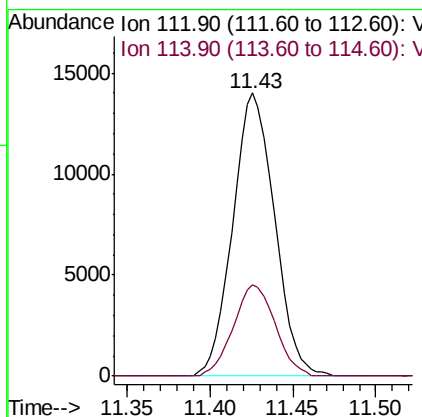
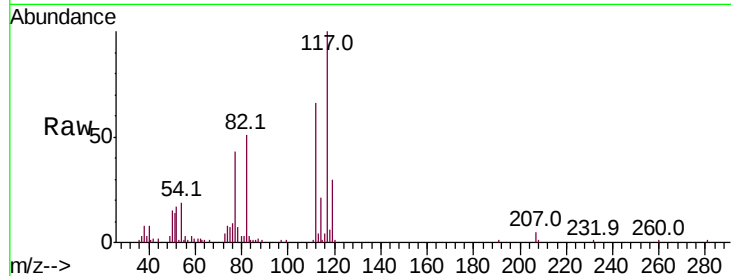




#65
Chlorobenzene
Concen: 3.152 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

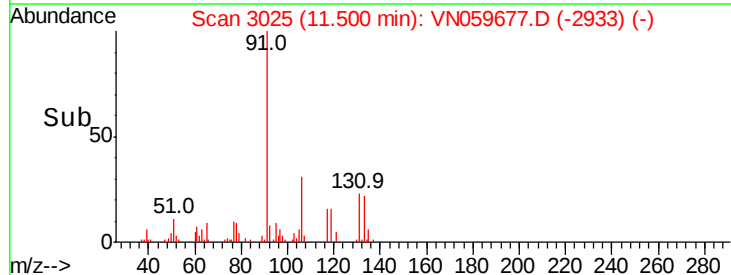
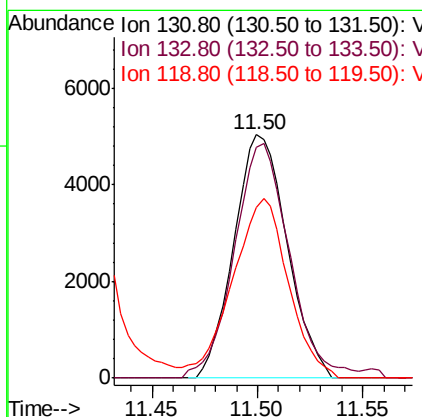
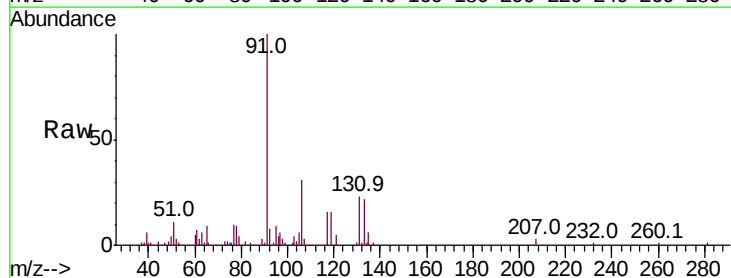
Instrument :
MSVOA_X
ClientSampleId :

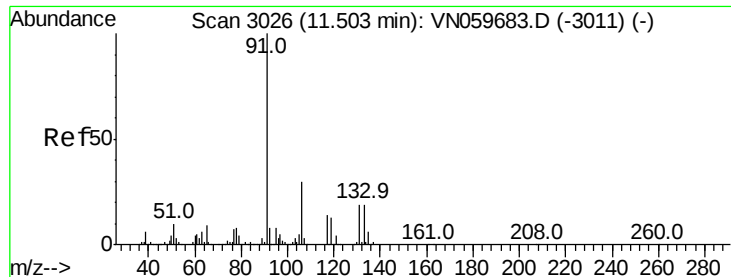
Tot Ion:112 Resp: 24580
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 2.907 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion:131 Resp: 8829
Ion Ratio Lower Upper
131 100
133 100.0 48.0 144.0
119 77.4 33.5 100.4





#67

Ethyl Benzene

Concen: 2.839 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

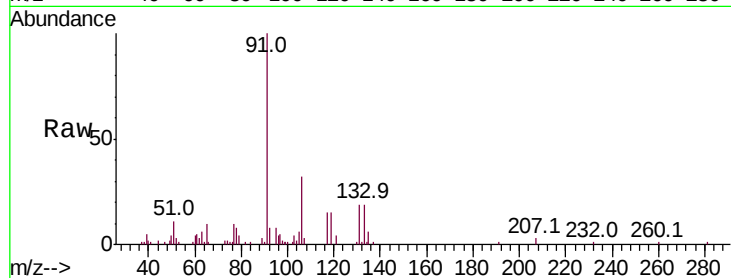
ClientSampleId :

Tot Ion: 91 Resp: 41238

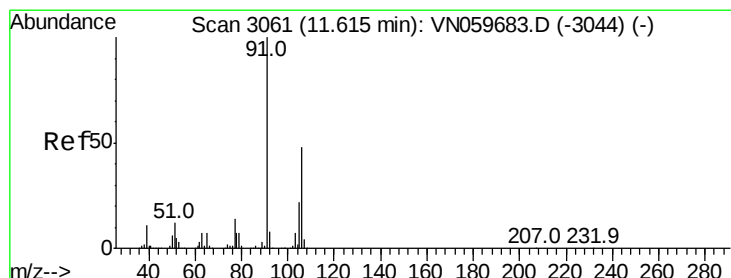
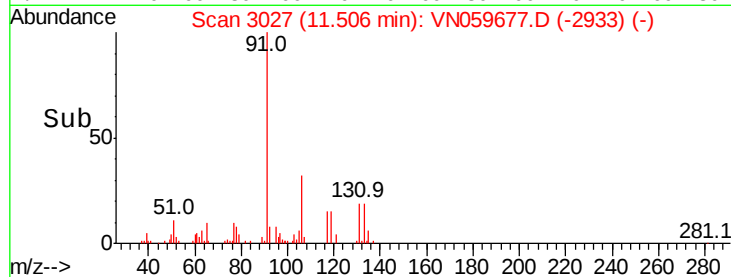
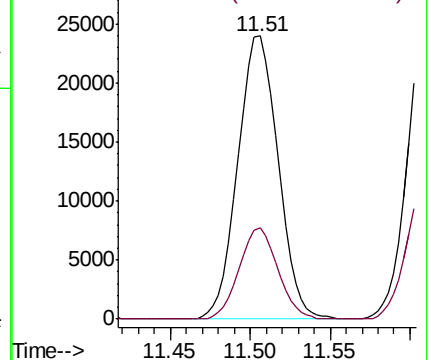
Ion Ratio Lower Upper

91 100

106 32.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN059683.D (-3011) (-)



#68

m/p-Xylenes

Concen: 6.032 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059677.D

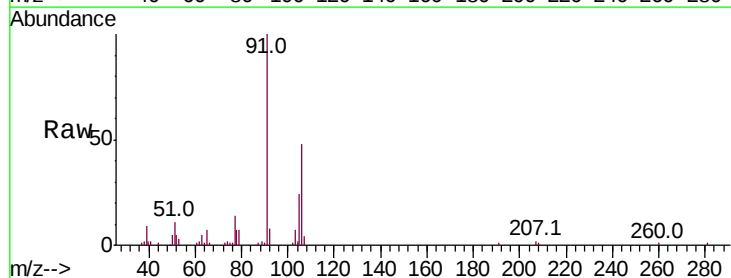
Acq: 20 Dec 2019 13:47

Tgt Ion: 106 Resp: 30767

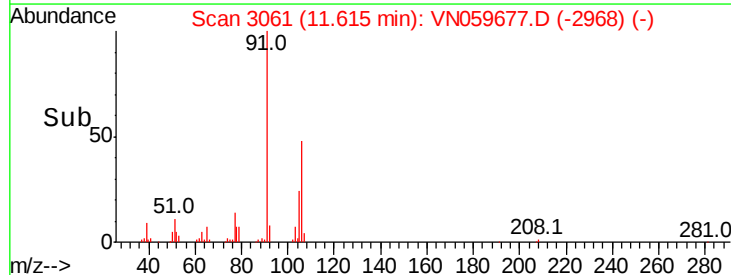
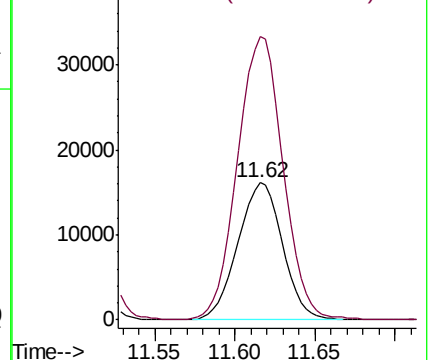
Ion Ratio Lower Upper

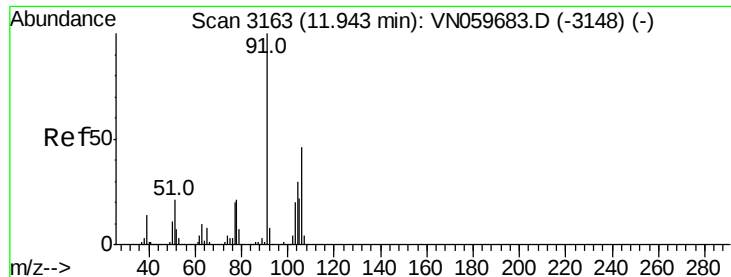
106 100

91 211.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059683.D (-3044) (-)





#69

o-Xylene

Concen: 3.166 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

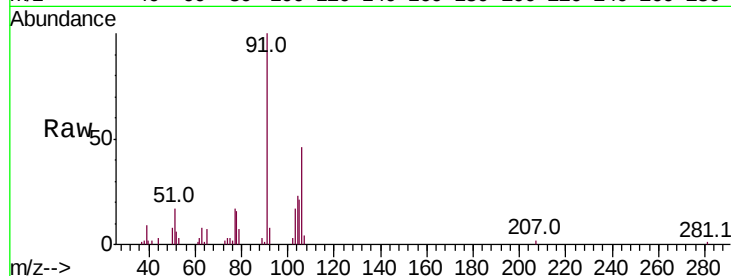
ClientSampled :

Tot Ion:106 Resp: 15119

Ion Ratio Lower Upper

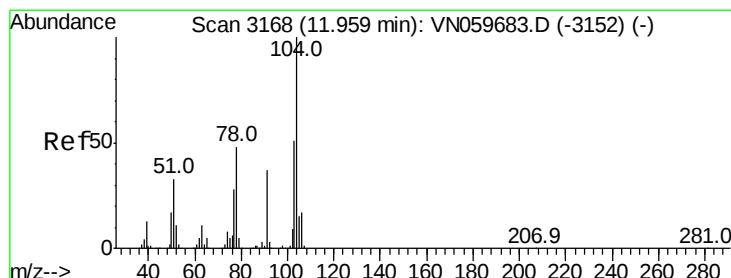
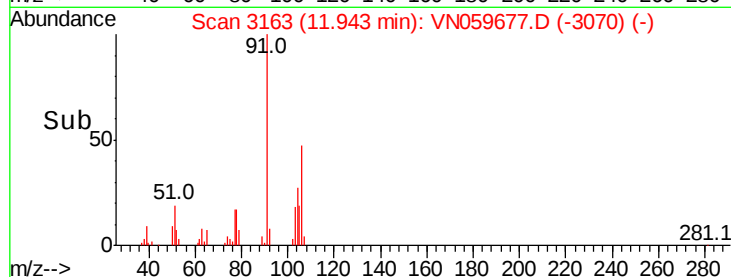
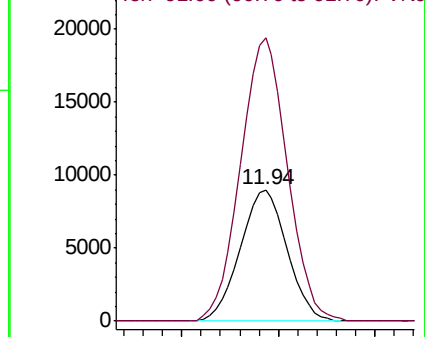
106 100

91 215.4 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 2.919 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

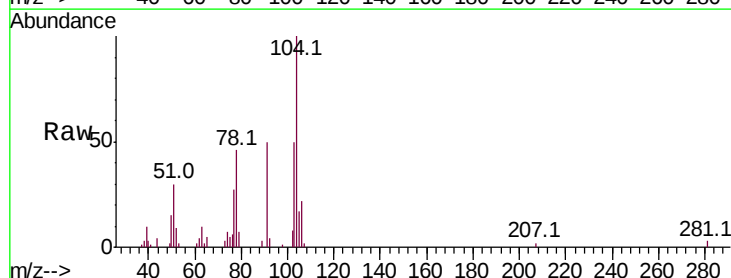
Tgt Ion:104 Resp: 22314

Ion Ratio Lower Upper

104 100

78 51.4 43.7 65.5

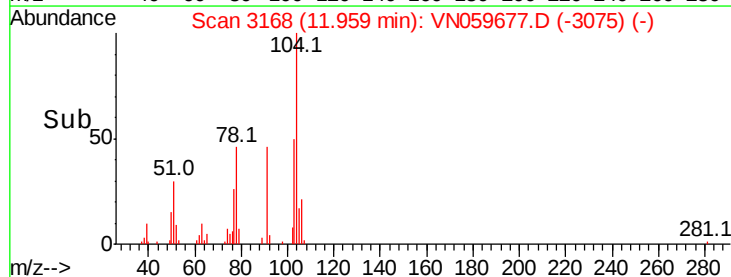
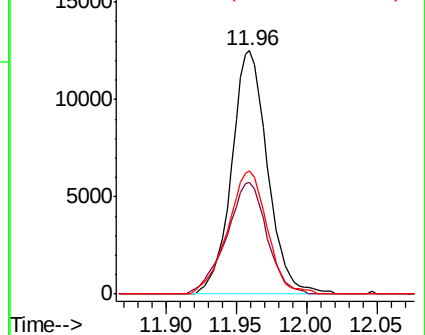
103 55.7 45.6 68.4

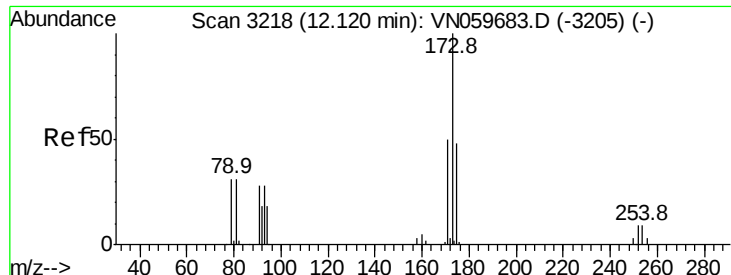


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

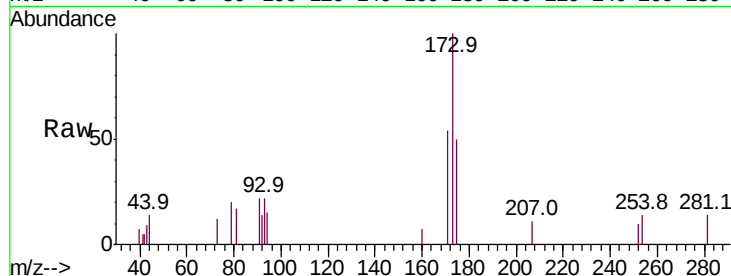




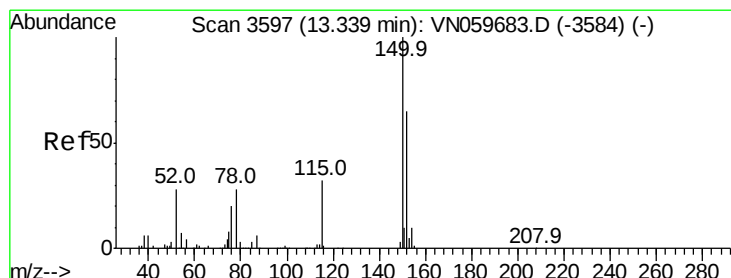
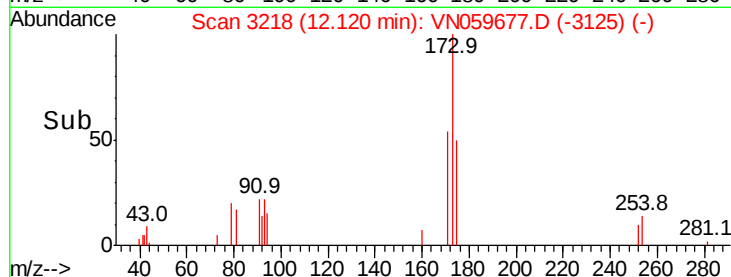
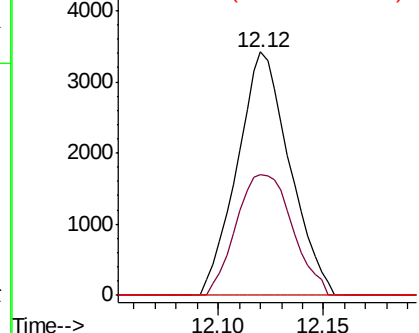
#71
Bromoform
Concen: 2.761 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:173 Resp: 5898
Ion Ratio Lower Upper
173 100
175 53.4 24.3 72.9
254 0.0 0.0 0.0

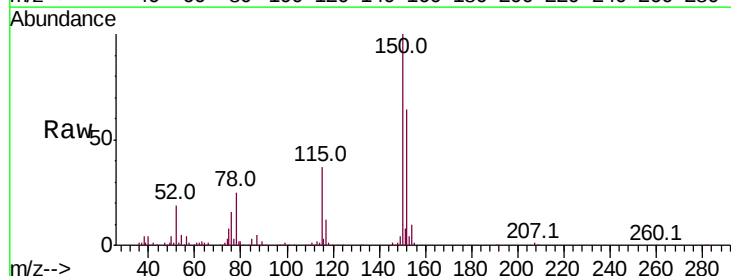


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

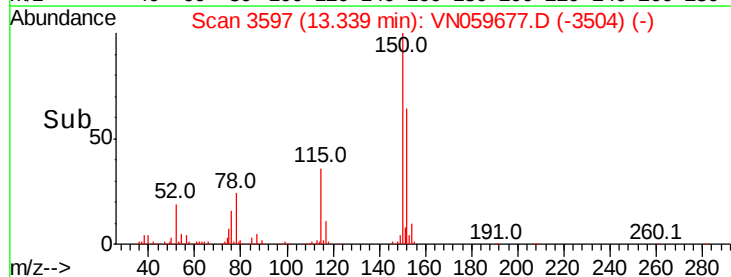
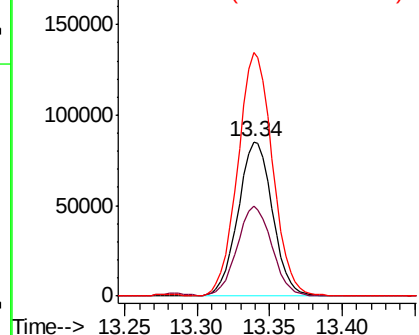


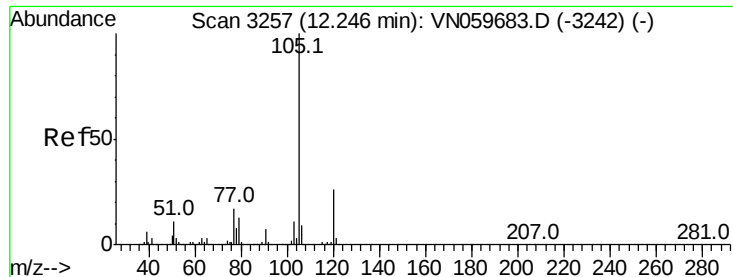
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059677.D
Acq: 20 Dec 2019 13:47

Tgt Ion:152 Resp: 141031
Ion Ratio Lower Upper
152 100
115 58.5 31.6 94.7
150 157.2 0.0 345.0



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: 3.293 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

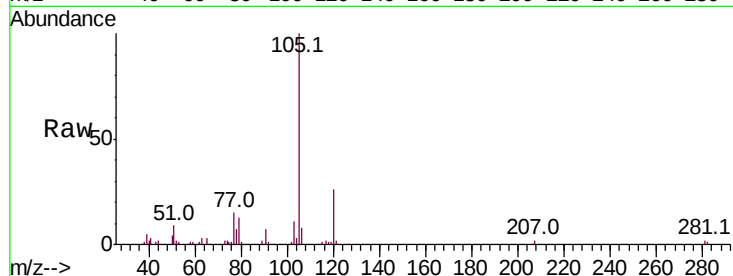
ClientSampleId :

Tot Ion:105 Resp: 36887

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

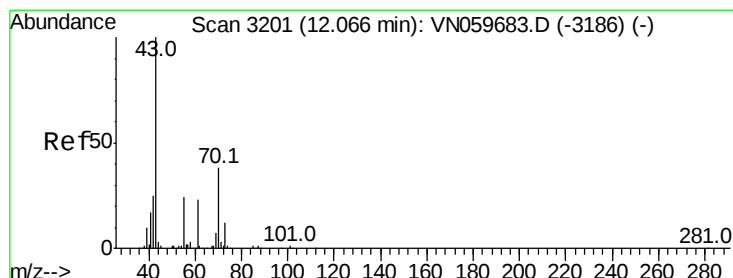
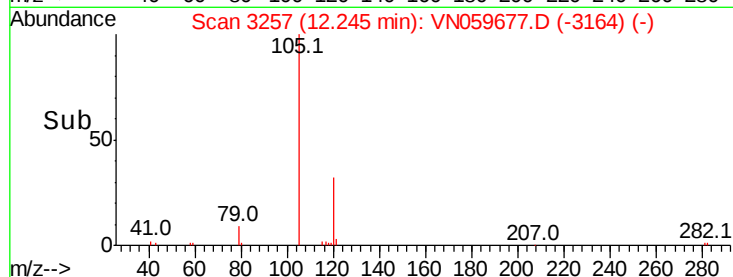
10000

5000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 2.705 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Tgt Ion: 43 Resp: 13826

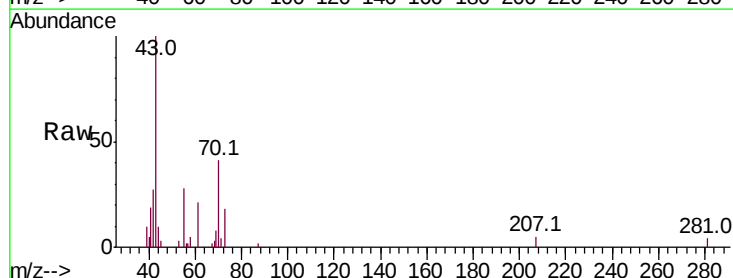
Ion Ratio Lower Upper

43 100

70 39.2 30.5 45.7

55 28.0 19.4 29.2

61 19.9 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12000

10000

8000

6000

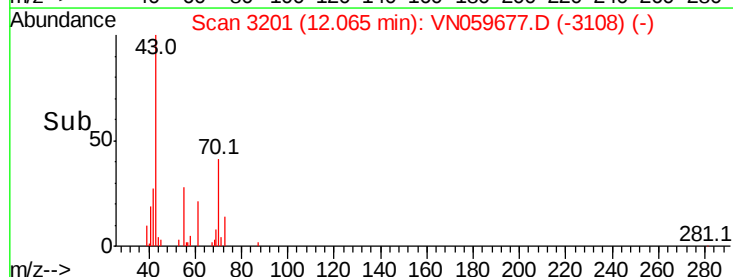
4000

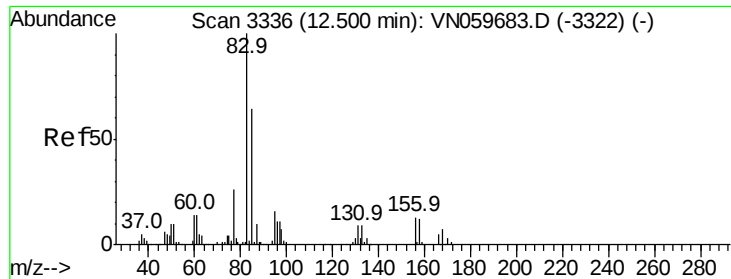
2000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.974 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

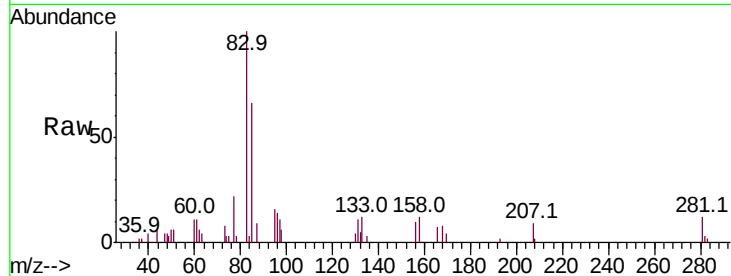
Tot Ion: 83 Resp: 10671

Ion Ratio Lower Upper

83 100

131 10.3 4.7 14.1

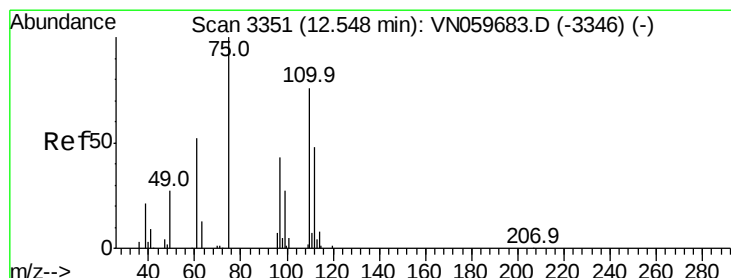
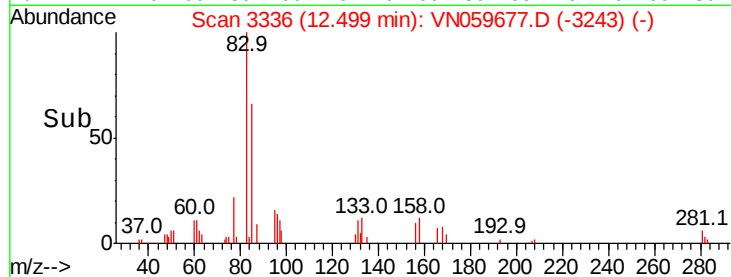
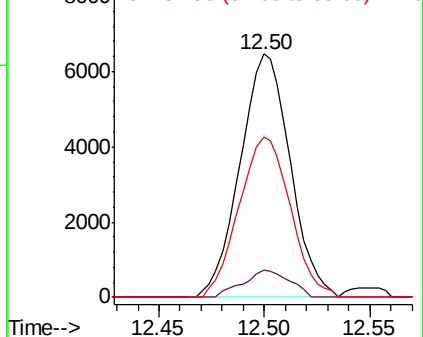
85 67.3 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 4.386 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN059677.D

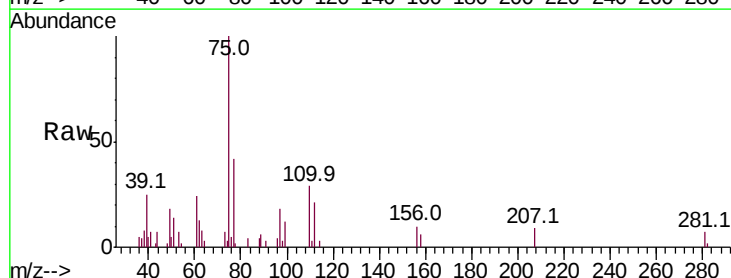
Acq: 20 Dec 2019 13:47

Tgt Ion: 75 Resp: 15785

Ion Ratio Lower Upper

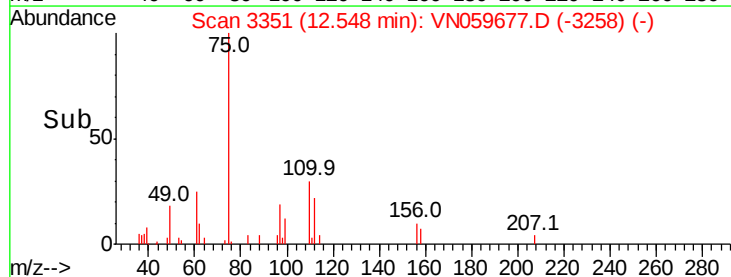
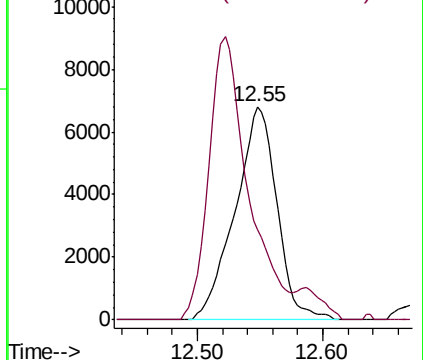
75 100

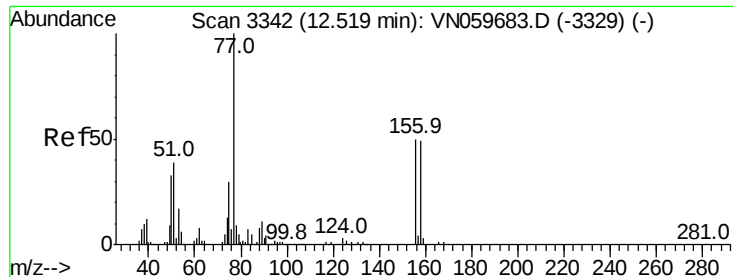
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 3.264 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampled :

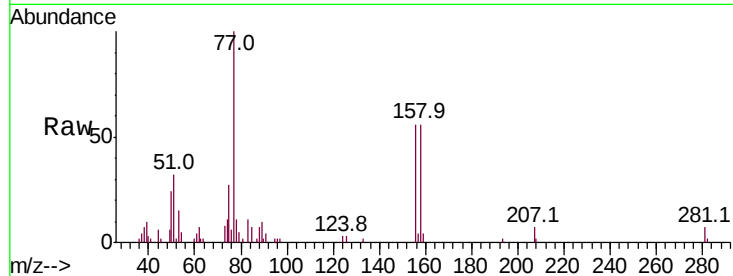
Tot Ion:156 Resp: 9072

Ion Ratio Lower Upper

156 100

77 218.2 120.8 362.5

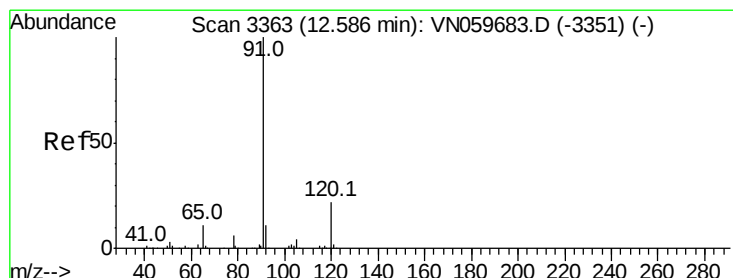
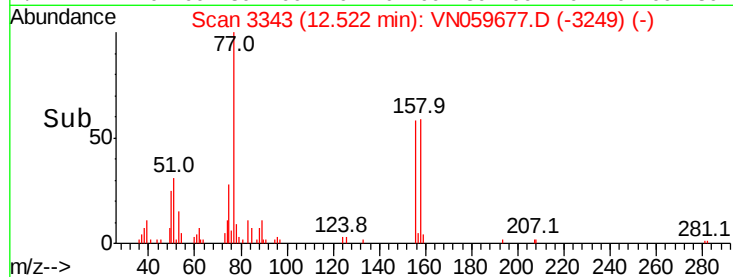
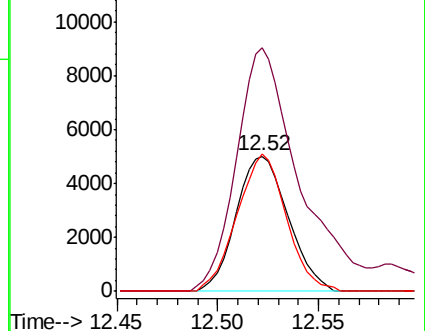
158 95.8 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.866 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059677.D

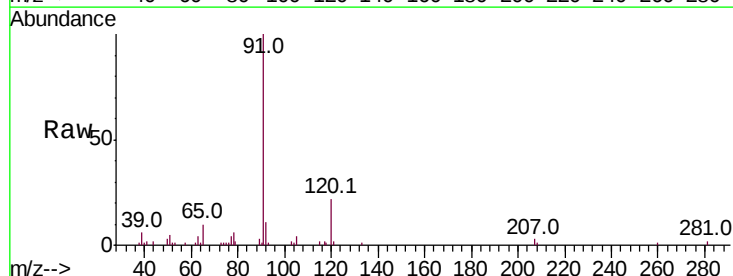
Acq: 20 Dec 2019 13:47

Tgt Ion: 91 Resp: 38327

Ion Ratio Lower Upper

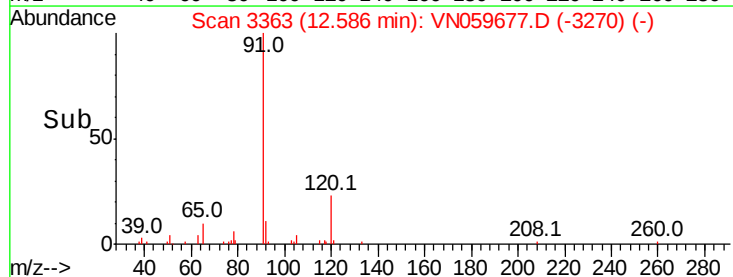
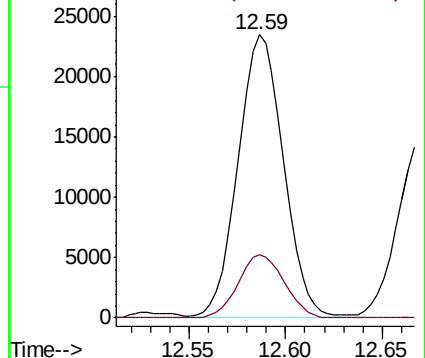
91 100

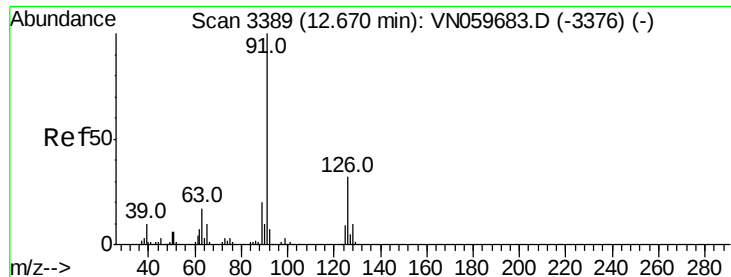
120 22.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.159 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

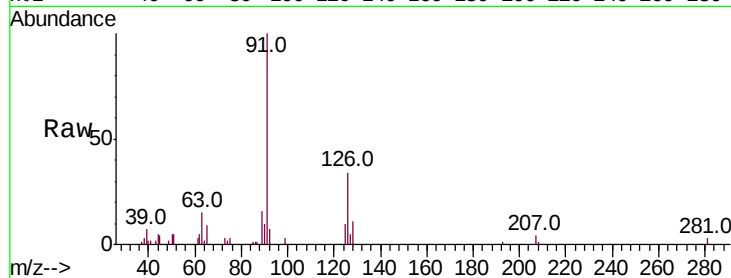
ClientSampleId :

Tot Ion: 91 Resp: 25518

Ion Ratio Lower Upper

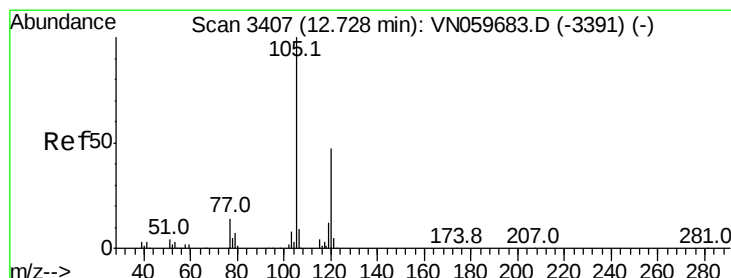
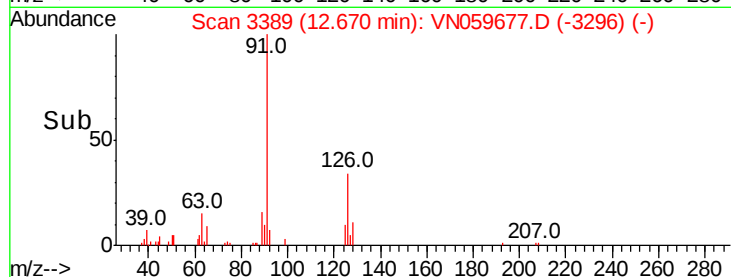
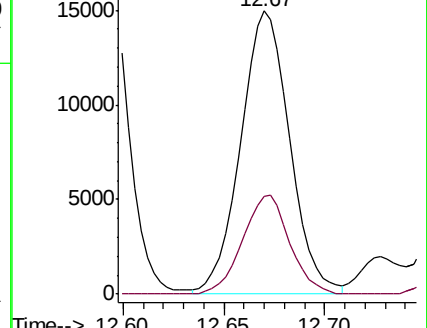
91 100

126 33.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN059683.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059683.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.972 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059677.D

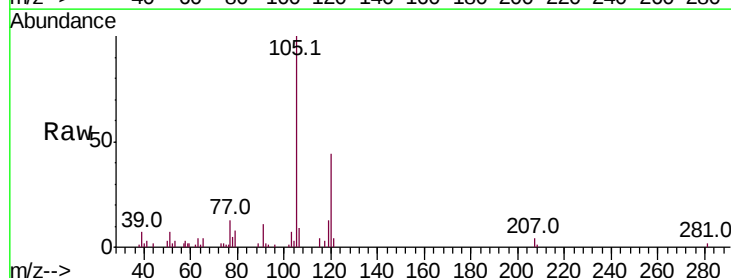
Acq: 20 Dec 2019 13:47

Tgt Ion: 105 Resp: 28610

Ion Ratio Lower Upper

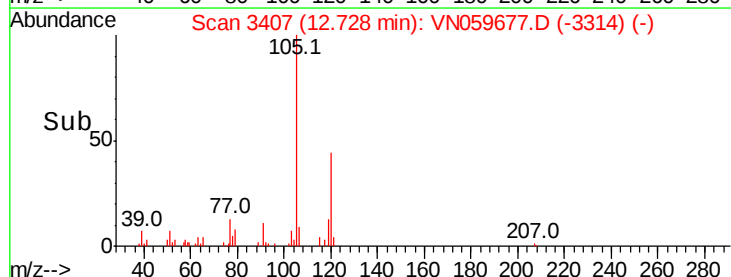
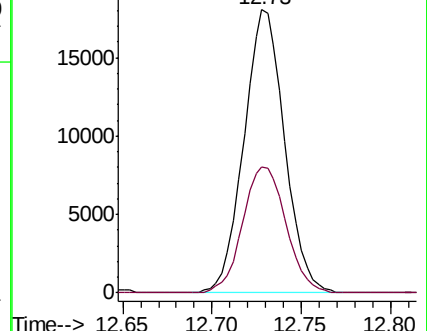
105 100

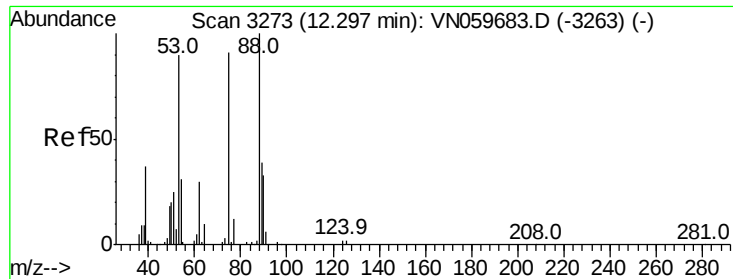
120 47.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN059683.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN059683.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 2.730 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

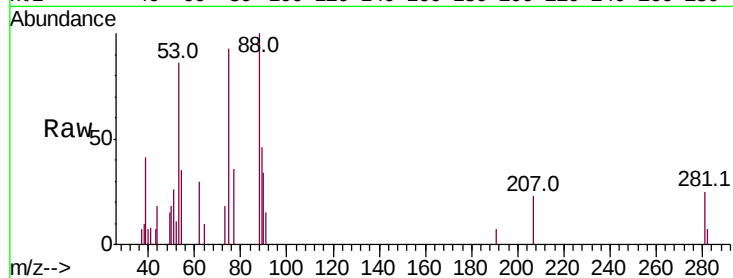
Tot Ion: 75 Resp: 3934

Ion	Ratio	Lower	Upper
75	100		
53	90.0	79.6	119.4
89	44.4	35.4	53.2

75 100

53 90.0 79.6 119.4

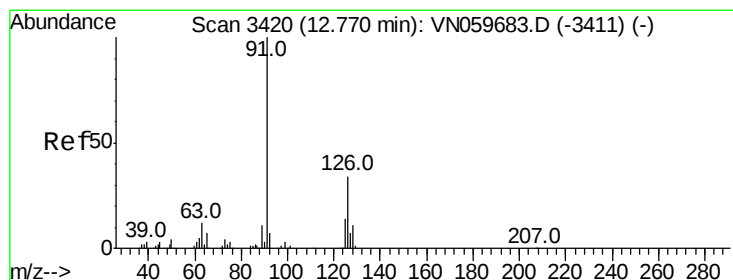
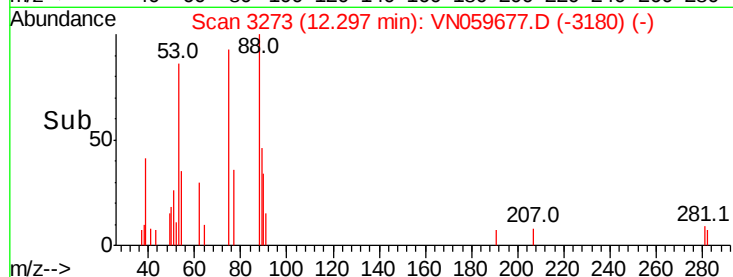
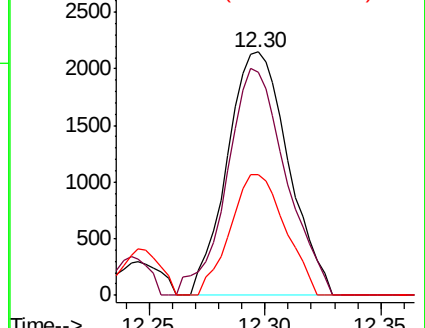
89 44.4 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.982 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059677.D

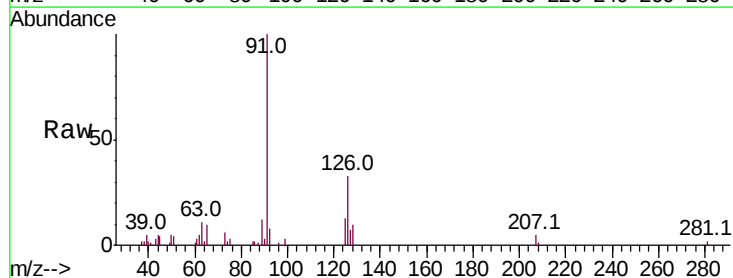
Acq: 20 Dec 2019 13:47

Tgt Ion: 91 Resp: 24864

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.3

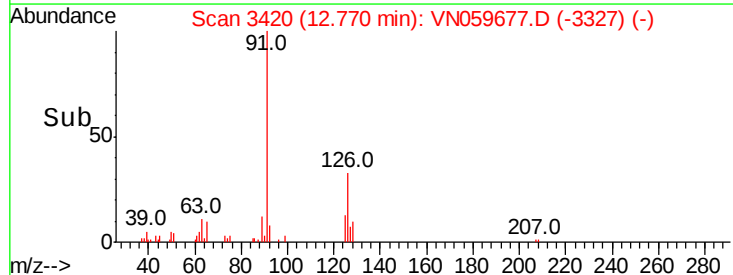
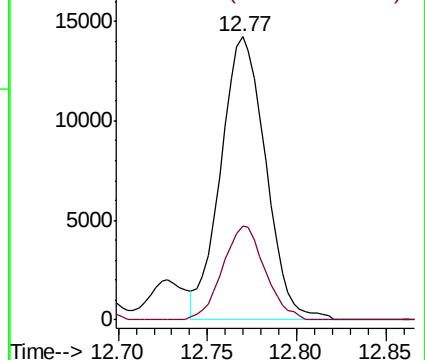
91 100

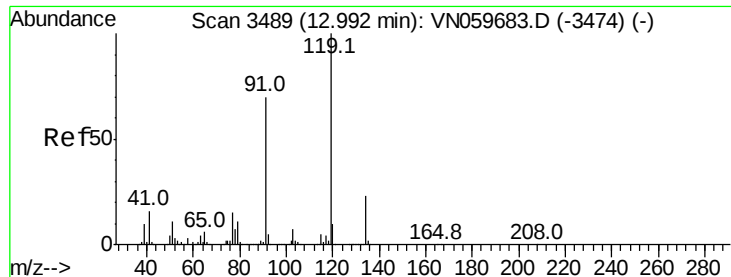
126 31.3 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 3.160 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

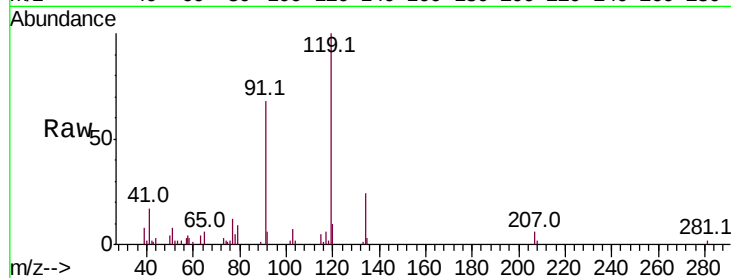
Tot Ion:119 Resp: 25354

Ion Ratio Lower Upper

119 100

91 67.4 35.1 105.5

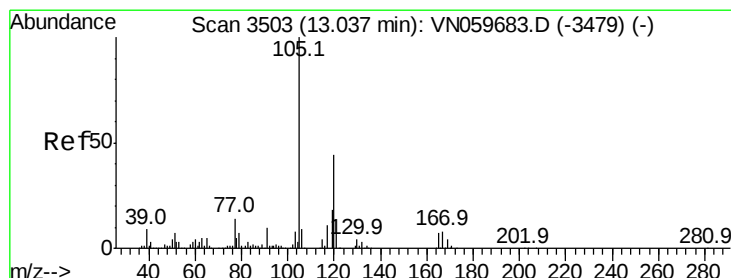
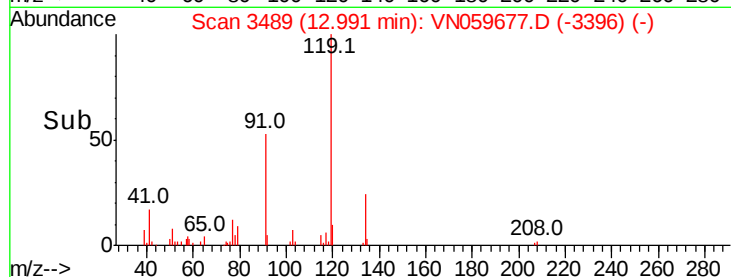
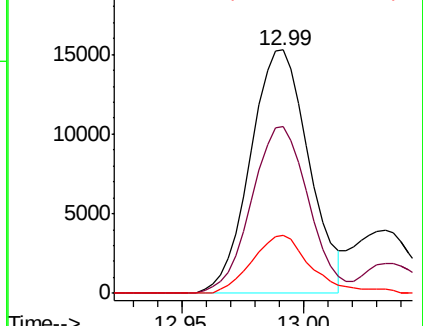
134 24.4 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.006 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059677.D

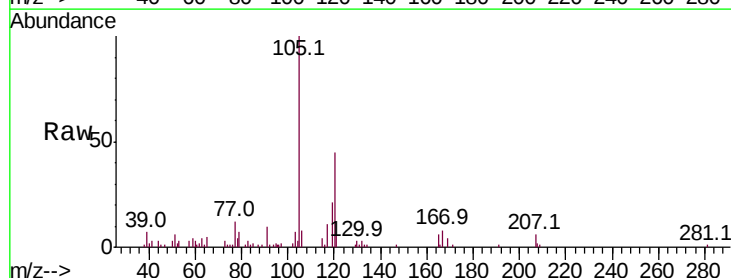
Acq: 20 Dec 2019 13:47

Tgt Ion:105 Resp: 28853

Ion Ratio Lower Upper

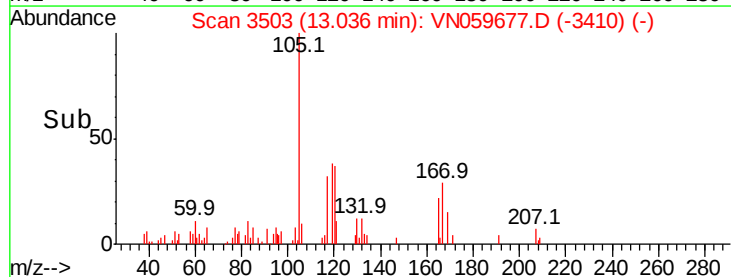
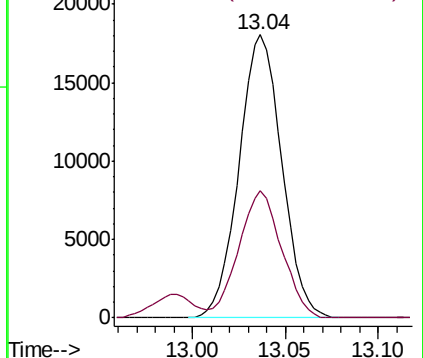
105 100

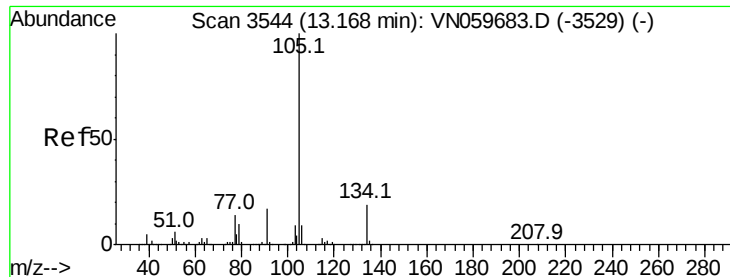
120 45.0 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

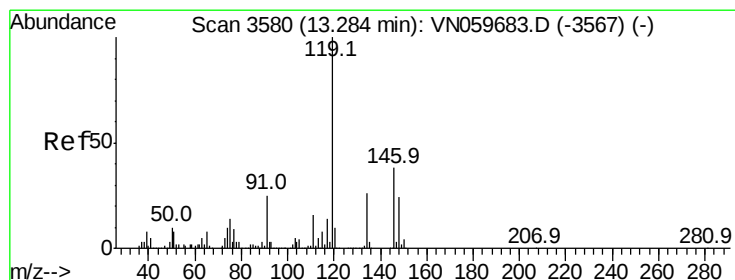
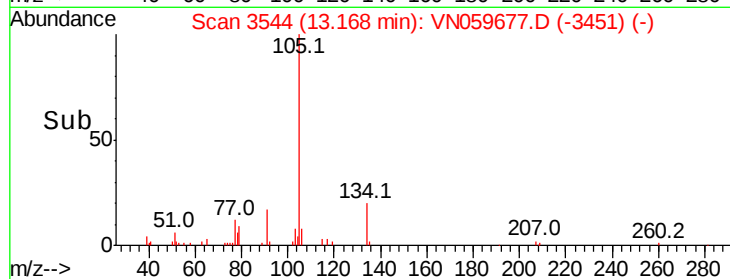
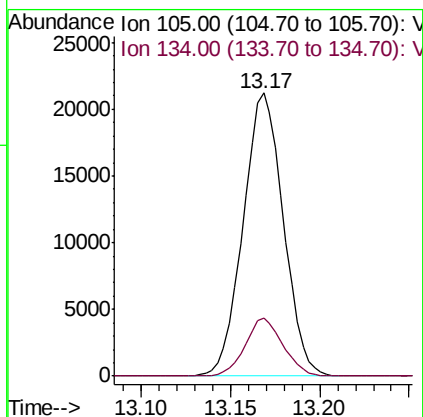
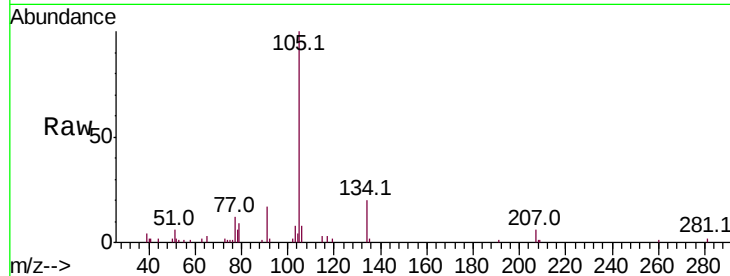




#85
 sec-Butylbenzene
 Concen: 3.070 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

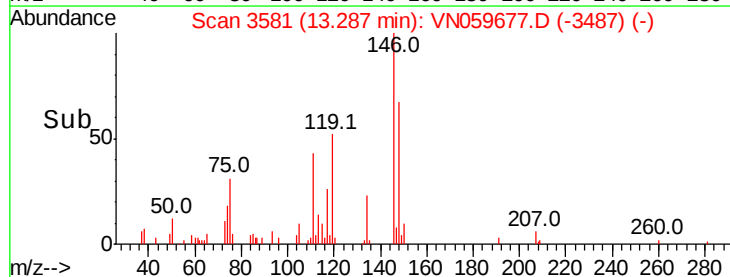
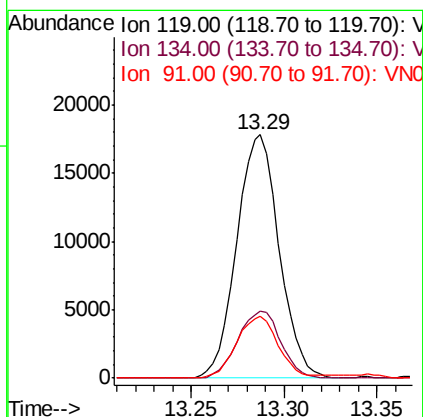
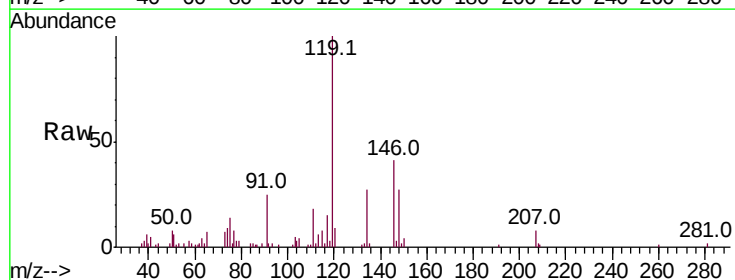
Instrument :
 MSVOA_X
 ClientSampleId :

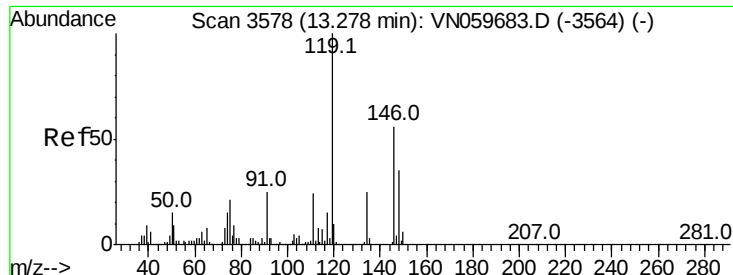
Tot Ion:105 Resp: 33332
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 2.960 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion:119 Resp: 28289
 Ion Ratio Lower Upper
 119 100
 134 27.7 12.8 38.4
 91 25.2 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 3.071 ug/l

RT: 13.28 min Scan# 3579

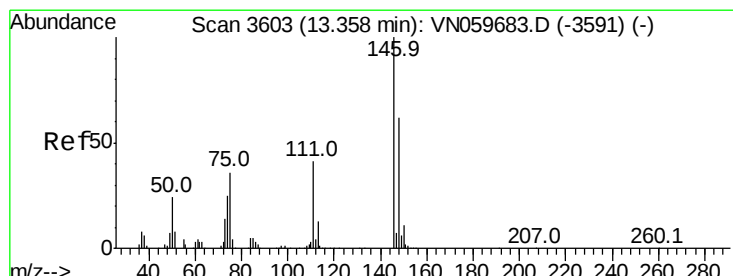
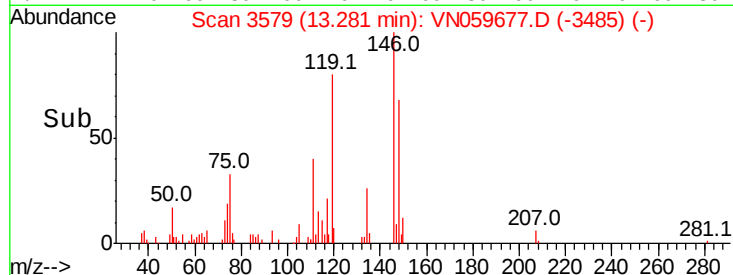
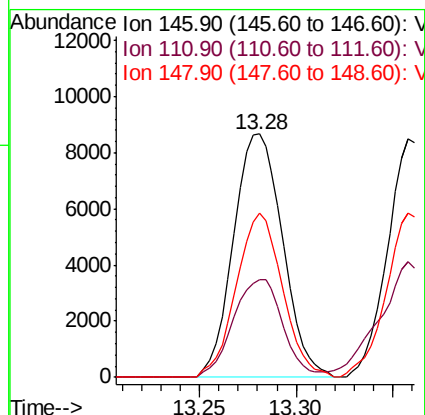
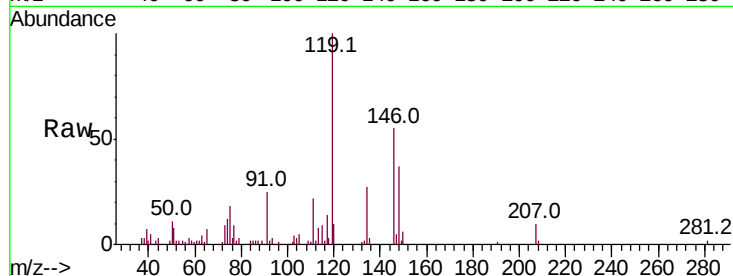
Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.3	63.9
148	63.4	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 2.953 ug/l

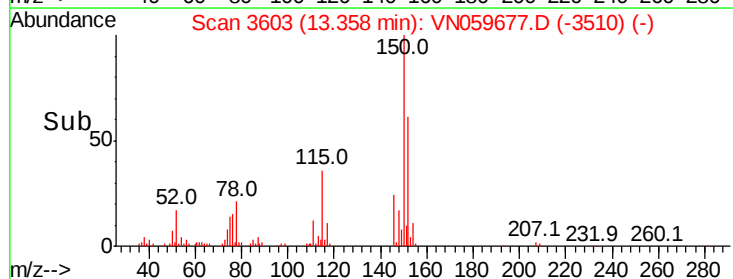
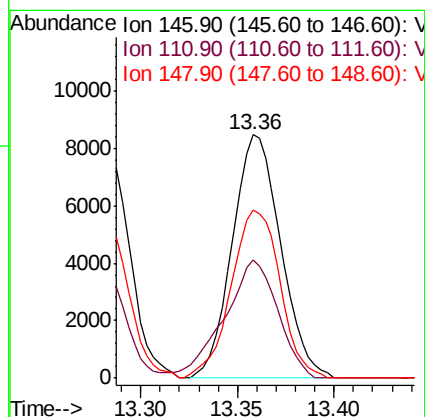
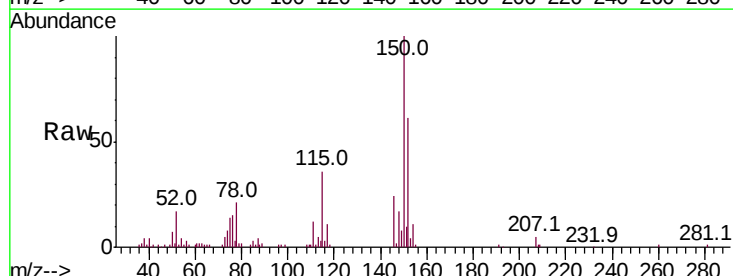
RT: 13.36 min Scan# 3603

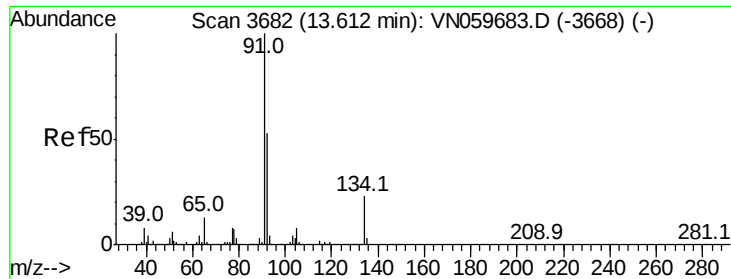
Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.7	21.3	63.7
148	69.6	31.6	94.8





#89

n-Butylbenzene

Concen: 3.046 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Instrument :

MSVOA_X

ClientSampleId :

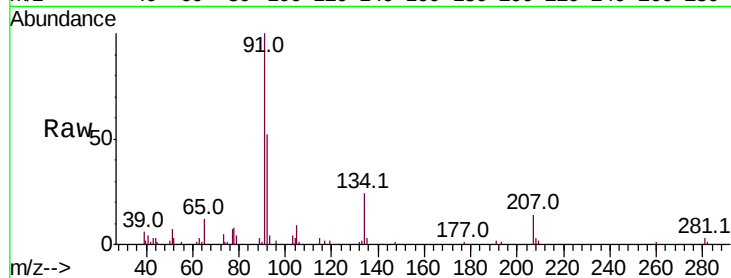
Tot Ion: 91 Resp: 27240

Ion Ratio Lower Upper

91 100

92 51.4 25.9 77.6

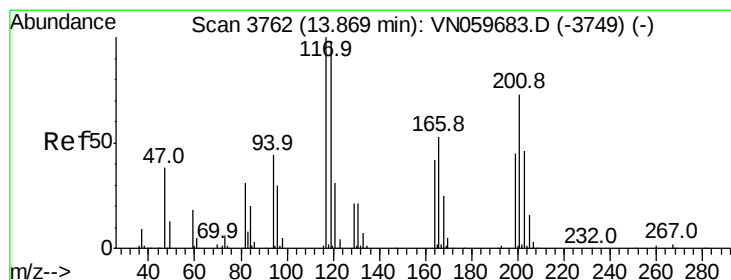
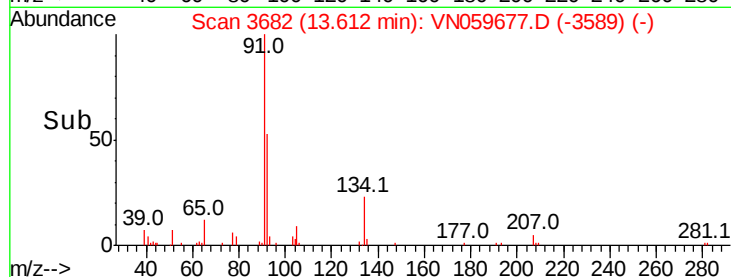
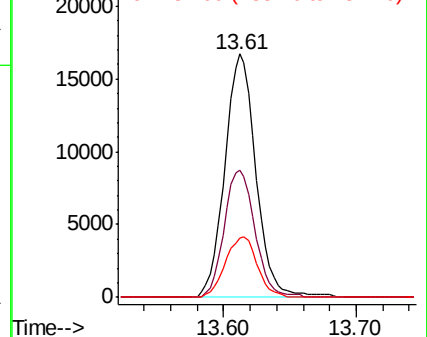
134 25.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN059683.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059683.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059683.D (-3668) (-)



#90

Hexachloroethane

Concen: 3.249 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN059677.D

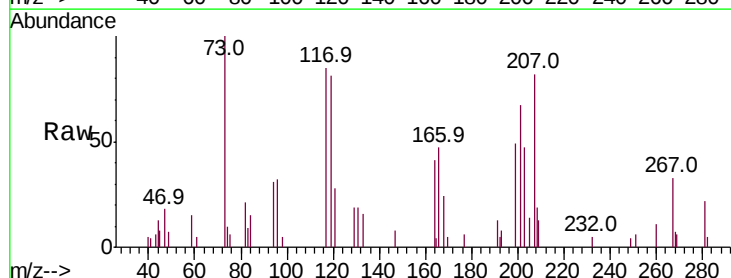
Acq: 20 Dec 2019 13:47

Tgt Ion: 117 Resp: 5955

Ion Ratio Lower Upper

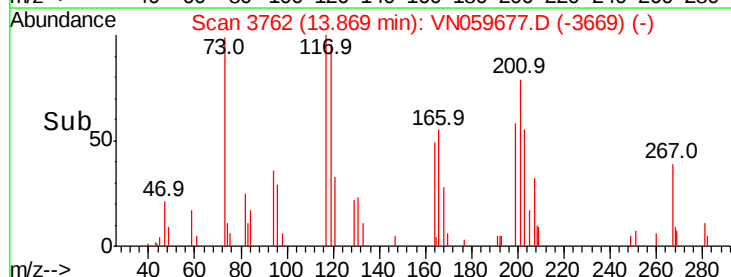
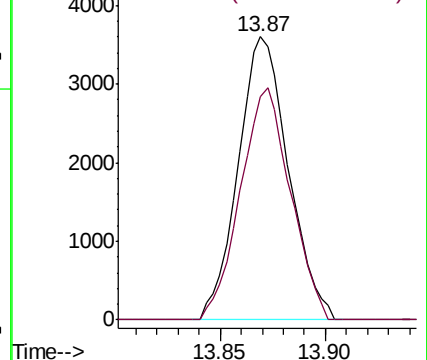
117 100

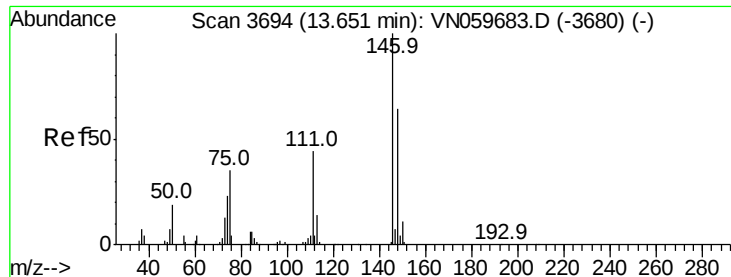
201 81.8 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): VN059683.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059683.D (-3749) (-)

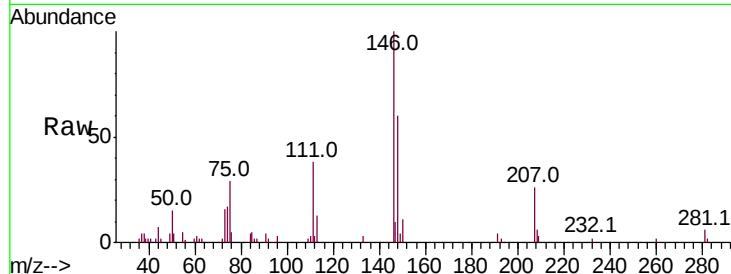




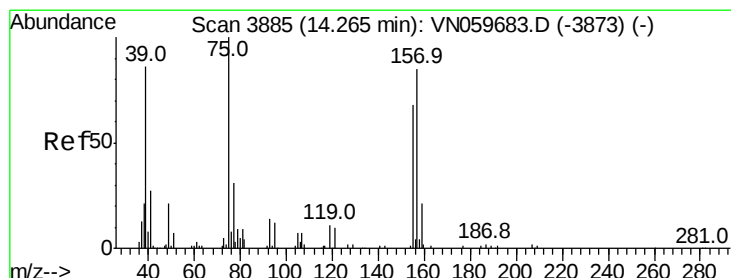
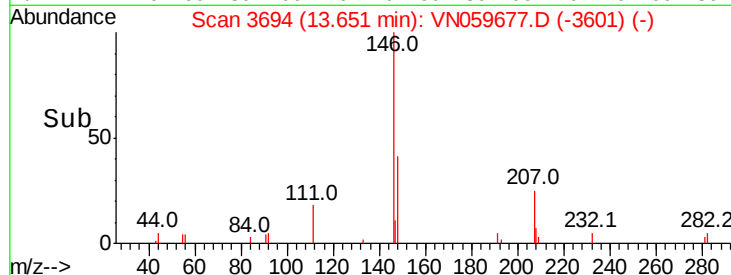
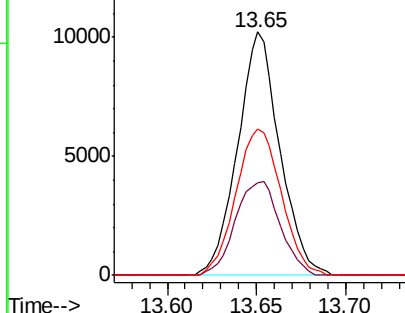
#91
 1,2-Dichlorobenzene
 Concen: 3.460 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.2	66.6
148	64.8	32.1	96.3

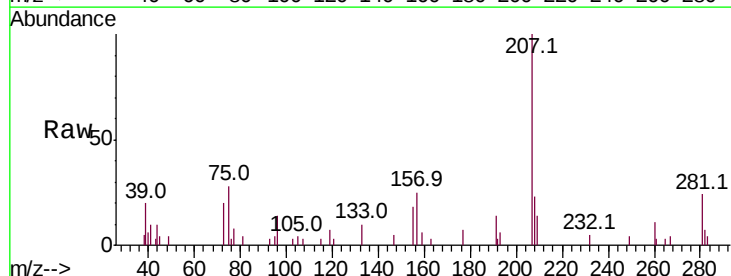


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

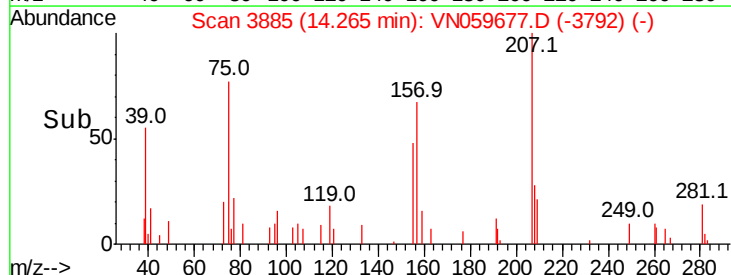
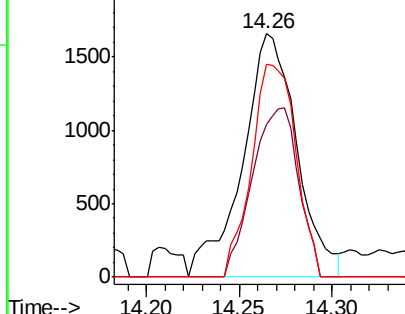


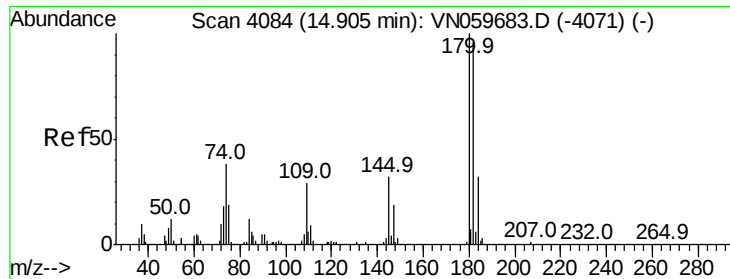
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.244 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.8	34.5	103.5
157	71.2	43.3	129.8



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

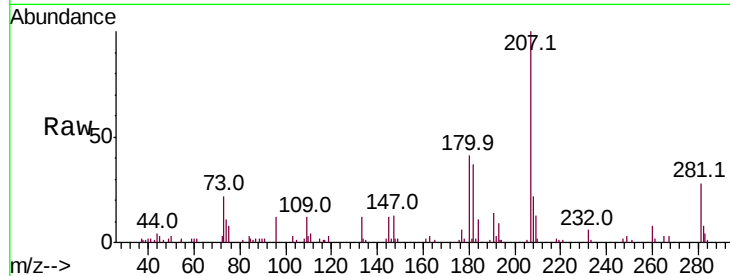




#93
 1,2,4-Trichlorobenzene
 Concen: 3.104 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.8	143.4
145	31.0	15.7	47.0

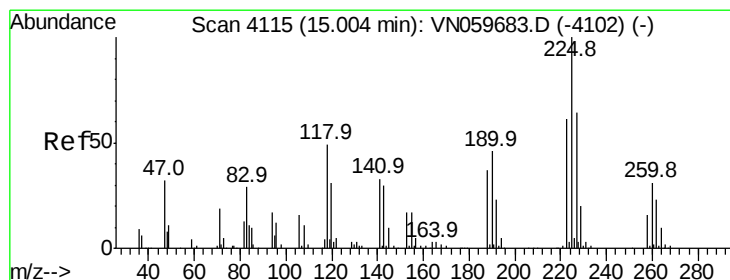
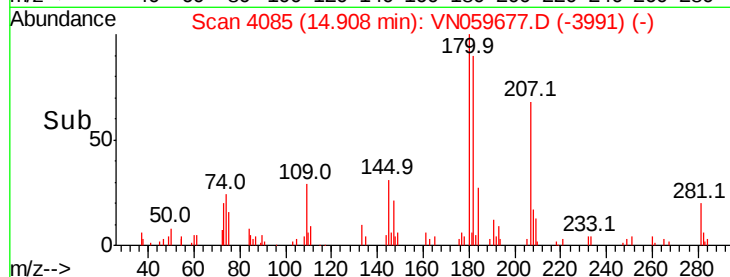
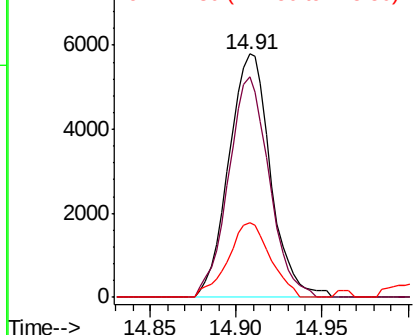


Abundance

Ion 179.80 (179.50 to 180.50): V

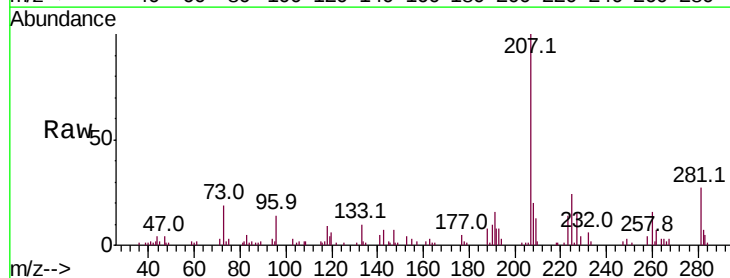
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 3.705 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059677.D
 Acq: 20 Dec 2019 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.0	93.0
227	60.7	32.1	96.5

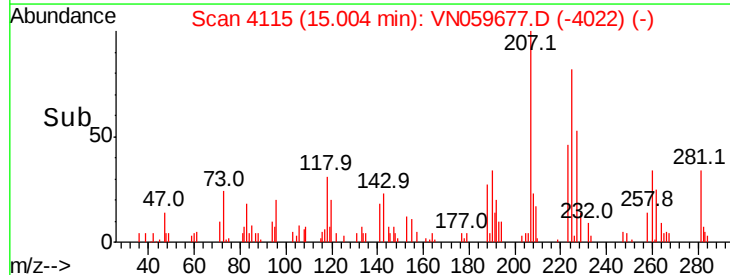
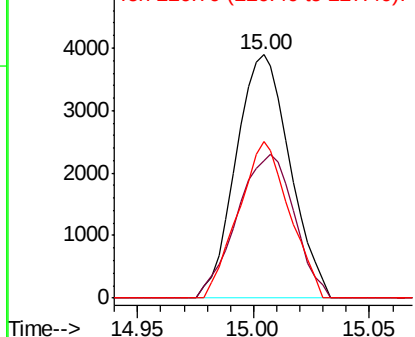


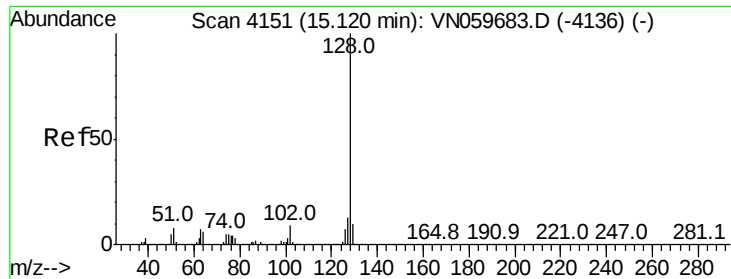
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.078 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

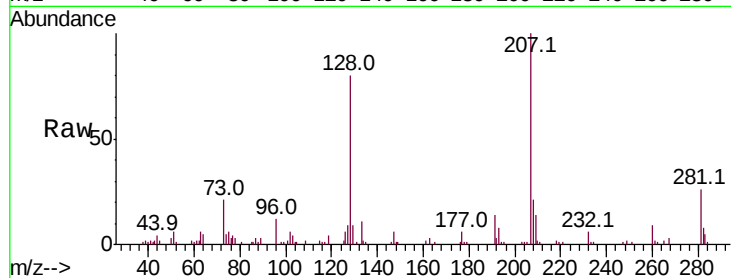
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 28797

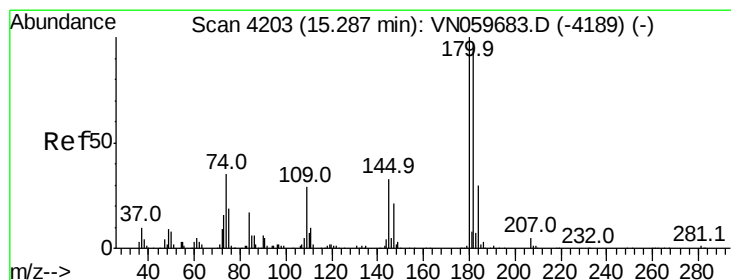
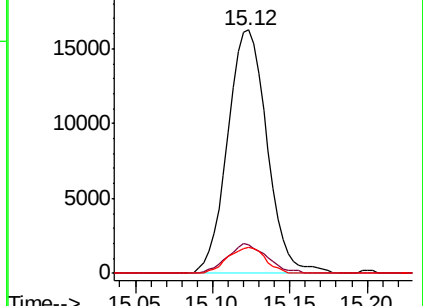
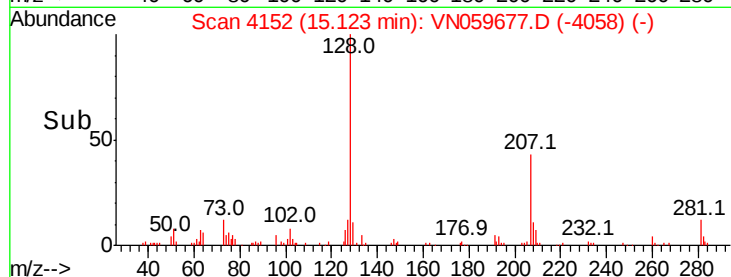
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.6	15.8
129	10.1	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.318 ug/l

RT: 15.29 min Scan# 4204

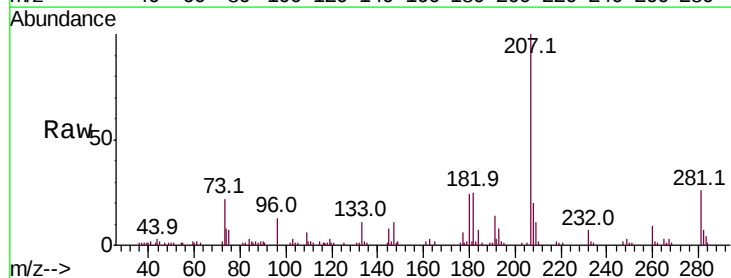
Delta R.T. 0.00 min

Lab File: VN059677.D

Acq: 20 Dec 2019 13:47

Tgt Ion:180 Resp: 10701

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	33.6	16.6	49.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

