

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059051.D
 Acq On : 1 Nov 2019 10:25
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:19:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	456831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	737853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	652094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	6428	0.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.96%	
35) Dibromofluoromethane	7.56	113	4748	0.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.96%	
50) Toluene-d8	10.08	98	16895	0.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.80%	
62) 4-Bromofluorobenzene	12.40	95	5348	0.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.54%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	4823	0.873	ug/l 92
3) Chloromethane	2.04	50	7318	1.055	ug/l 97
4) Vinyl Chloride	2.17	62	6568	0.957	ug/l 100
5) Bromomethane	2.55	94	4814	1.140	ug/l 92
6) Chloroethane	2.68	64	4643	1.065	ug/l 93
7) Trichlorofluoromethane	3.00	101	7606	0.902	ug/l 89
8) Diethyl Ether	3.39	74	2834	0.945	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4659	0.979	ug/l 97
10) Methyl Iodide	3.92	142	3695	0.602	ug/l # 90
11) Tert butyl alcohol	4.75	59	3809	3.432	ug/l # 80
12) 1,1-Dichloroethene	3.72	96	4684	1.047	ug/l 97
13) Acrolein	3.59	56	3024	4.039	ug/l 91
14) Allyl chloride	4.30	41	8987	0.995	ug/l 92
15) Acrylonitrile	4.97	53	12928	4.663	ug/l # 86
16) Acetone	3.79	43	14511	4.483	ug/l 96
17) Carbon Disulfide	4.03	76	15675	1.093	ug/l 100
18) Methyl Acetate	4.30	43	9593	1.280	ug/l 98
19) Methyl tert-butyl Ether	5.01	73	15454	0.993	ug/l 93
20) Methylene Chloride	4.52	84	5856	1.045	ug/l 93
21) trans-1,2-Dichloroethene	5.01	96	4944	1.005	ug/l 97
22) Diisopropyl ether	5.92	45	15239	0.867	ug/l # 57
23) Vinyl Acetate	5.87	43	60886	4.334	ug/l 99
24) 1,1-Dichloroethane	5.82	63	10025	0.984	ug/l # 84
25) 2-Butanone	6.81	43	18726	4.428	ug/l 99
26) 2,2-Dichloropropane	6.79	77	9404	1.071	ug/l 91
27) cis-1,2-Dichloroethene	6.80	96	5393	0.962	ug/l 93
28) Bromochloromethane	7.17	49	3582	1.071	ug/l # 91
29) Tetrahydrofuran	7.19	42	11325	4.367	ug/l # 81
30) Chloroform	7.35	83	10220	1.006	ug/l 93
31) Cyclohexane	7.63	56	17305	1.826	ug/l # 36
32) 1,1,1-Trichloroethane	7.54	97	7750	0.908	ug/l # 51
36) 1,1-Dichloropropene	7.77	75	7068	0.951	ug/l 96
38) Carbon Tetrachloride	7.75	117	6852	0.897	ug/l 98
39) Methylcyclohexane	9.07	83	7236	0.860	ug/l # 86

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:19:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.02	78	21186	0.967	ug/l	98
41) Methacrylonitrile	7.19	41	10725	2.918	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	7366	0.886	ug/l	88
43) Isopropyl Acetate	8.15	43	11161	0.856	ug/l #	86
44) Trichloroethene	8.82	130	5509	1.030	ug/l	96
45) 1,2-Dichloropropane	9.10	63	5598	0.932	ug/l	97
46) Dibromomethane	9.19	93	3398	0.899	ug/l	92
47) Bromodichloromethane	9.39	83	6874	0.884	ug/l #	97
48) Methyl methacrylate	9.19	41	5262	0.896	ug/l	94
49) 1,4-Dioxane	9.18	88	1568	15.868	ug/l #	77
51) 4-Methyl-2-Pentanone	9.97	43	32419	4.279	ug/l	95
52) Toluene	10.15	92	10977	0.847	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	8277	0.959	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	7776	0.841	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	5012	0.937	ug/l #	93
56) Ethyl methacrylate	10.42	69	5888	0.746	ug/l #	85
57) 1,3-Dichloropropane	10.70	76	8371	0.895	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	11969	3.604	ug/l	97
59) 2-Hexanone	10.75	43	22412	3.835	ug/l	96
60) Dibromochloromethane	10.90	129	5239	0.911	ug/l	91
61) 1,2-Dibromoethane	11.00	107	4691	0.859	ug/l	98
64) Tetrachloroethene	10.63	164	4852	1.074	ug/l	89
65) Chlorobenzene	11.43	112	13667	1.040	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	4830	0.975	ug/l #	63
67) Ethyl Benzene	11.51	91	20936	0.910	ug/l	98
68) m/p-Xylenes	11.62	106	14780	1.735	ug/l	93
69) o-Xylene	11.95	106	6997	0.859	ug/l	94
70) Stvrene	11.96	104	10381	0.781	ug/l	96
71) Bromoform	12.12	173	3230	0.837	ug/l #	97
73) Isopropylbenzene	12.25	105	18373	1.007	ug/l	99
74) N-amyl acetate	12.07	43	7008	0.852	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	7190	1.121	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	9169	1.569	ug/l #	100
77) Bromobenzene	12.53	156	4983	1.106	ug/l	92
78) n-propylbenzene	12.59	91	21318	0.989	ug/l	95
79) 2-Chlorotoluene	12.68	91	13672	1.035	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	15205	0.995	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	2246	1.003	ug/l #	88
82) 4-Chlorotoluene	12.78	91	13973	1.038	ug/l	98
83) tert-Butylbenzene	13.00	119	12617	0.964	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	12939	0.859	ug/l	93
85) sec-Butylbenzene	13.17	105	15930	0.915	ug/l	100
86) p-Isopropyltoluene	13.29	119	14289	0.929	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	8633	1.075	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	8633	1.074	ug/l	96
89) n-Butylbenzene	13.62	91	11463	0.816	ug/l	97
90) Hexachloroethane	13.88	117	3209	1.027	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	8915	1.131	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1771	1.234	ug/l	70
93) 1,2,4-Trichlorobenzene	14.92	180	4033	0.932	ug/l	88

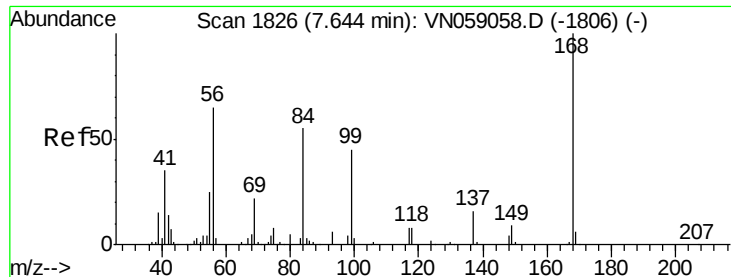
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	2712	1.056	ug/l	88
95) Naphthalene	15.13	128	11026	0.920	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	4556	1.070	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

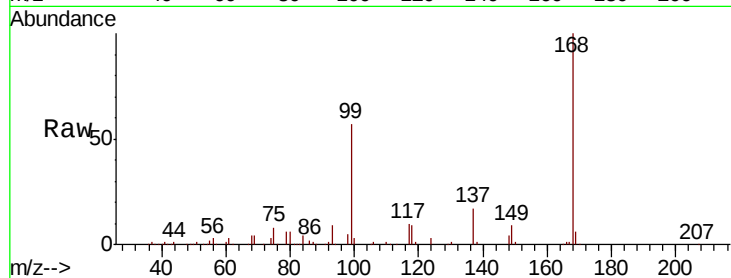
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 456831

Ion Ratio Lower Upper

168 100

99 56.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

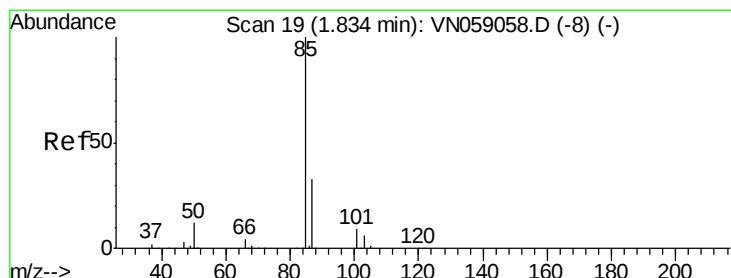
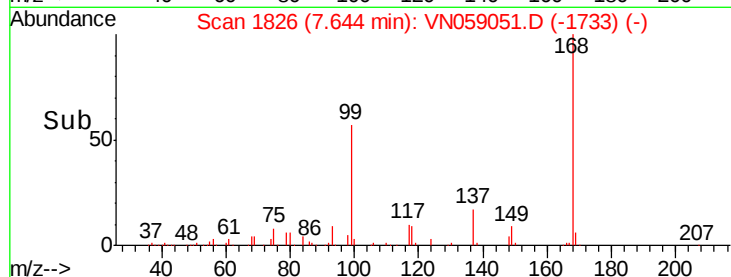
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.873 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059051.D

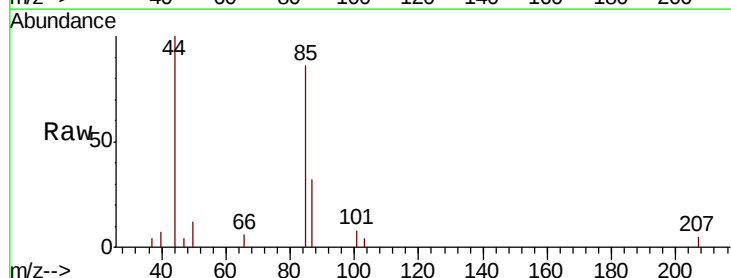
Acq: 1 Nov 2019 10:25

Tgt Ion: 85 Resp: 4823

Ion Ratio Lower Upper

85 100

87 37.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

4000

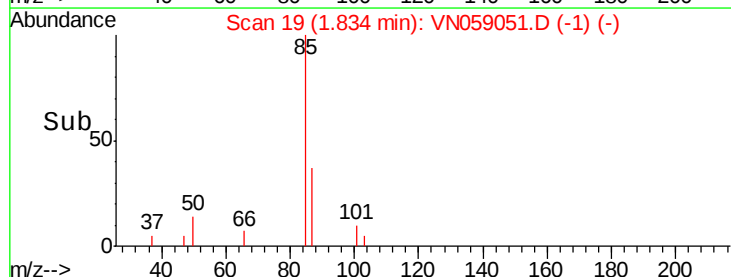
3000

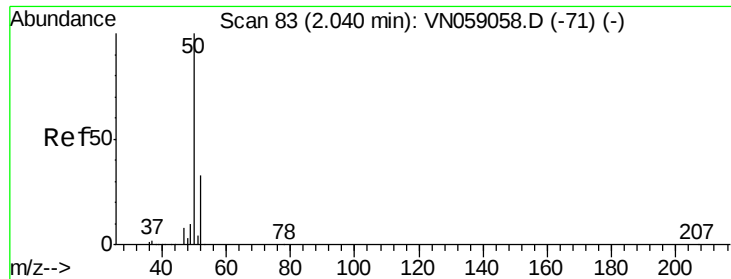
2000

1000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 1.055 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

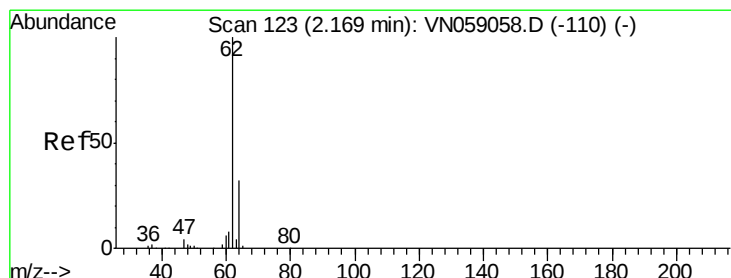
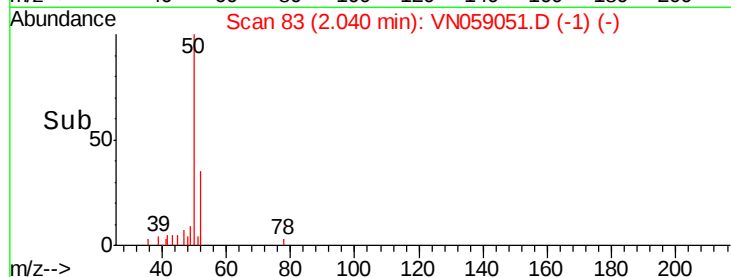
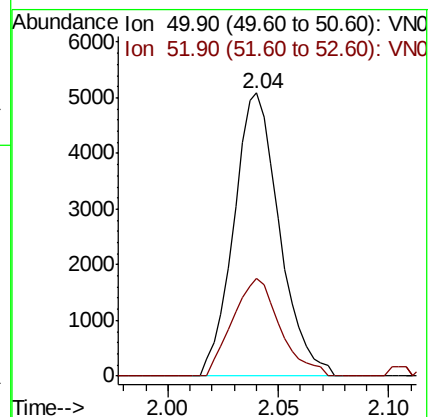
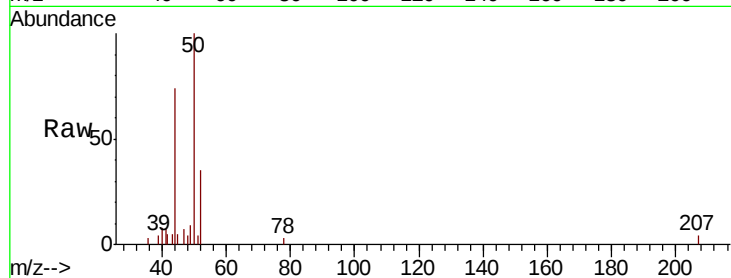
ClientSampled :

Tot Ion: 50 Resp: 7318

Ion Ratio Lower Upper

50 100

52 34.7 26.3 39.5



#4

Vinyl Chloride

Concen: 0.957 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059051.D

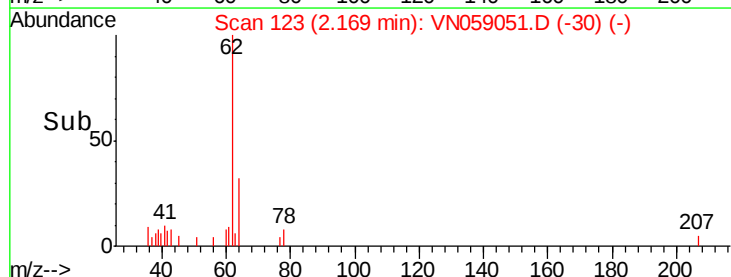
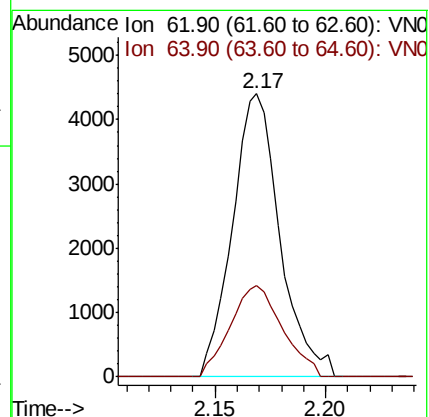
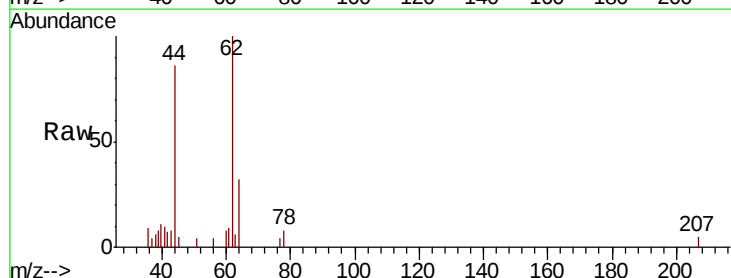
Acq: 1 Nov 2019 10:25

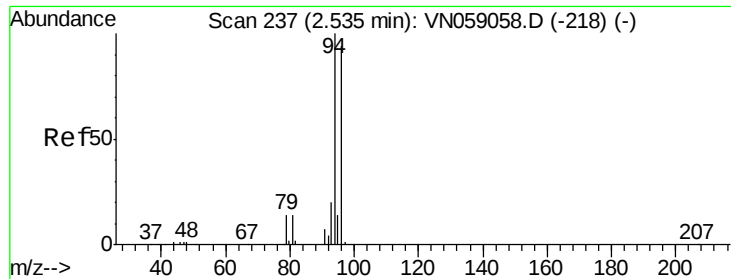
Tgt Ion: 62 Resp: 6568

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 1.140 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

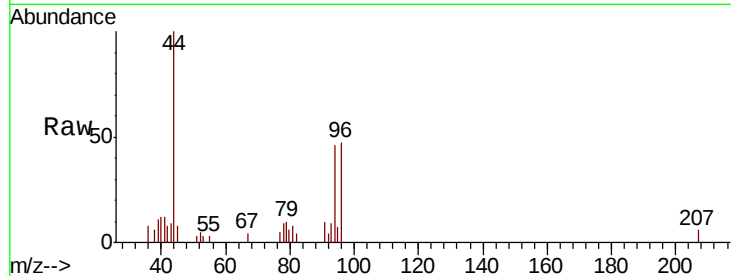
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 4814

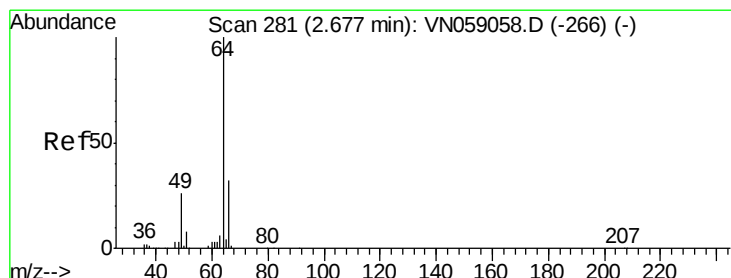
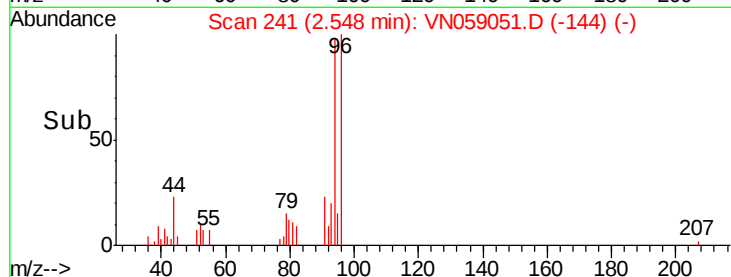
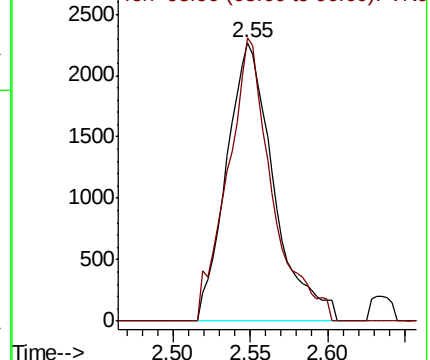
Ion Ratio Lower Upper

94 100

96 101.5 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.065 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059051.D

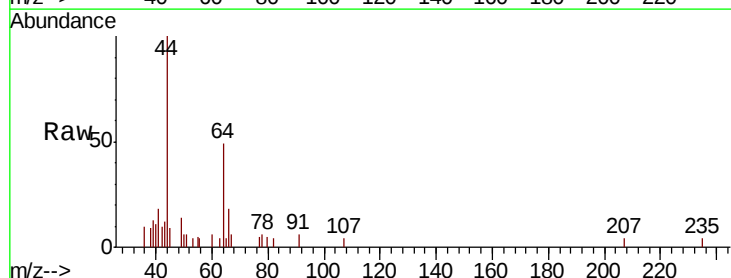
Acq: 1 Nov 2019 10:25

Tgt Ion: 64 Resp: 4643

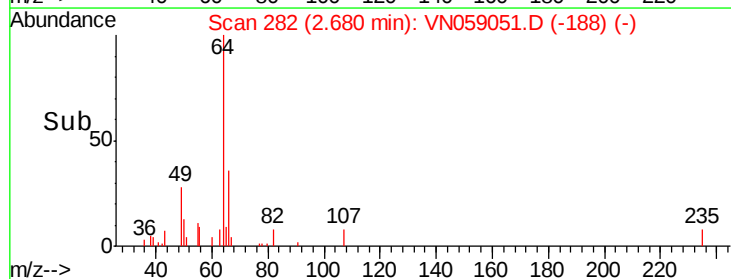
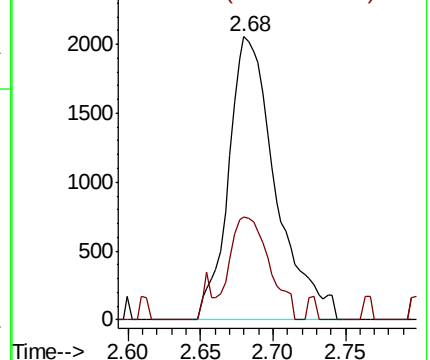
Ion Ratio Lower Upper

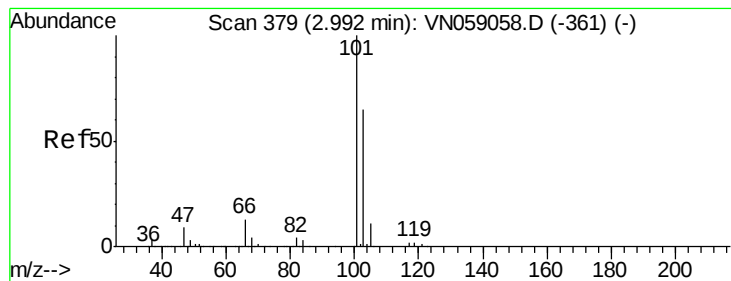
64 100

66 36.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



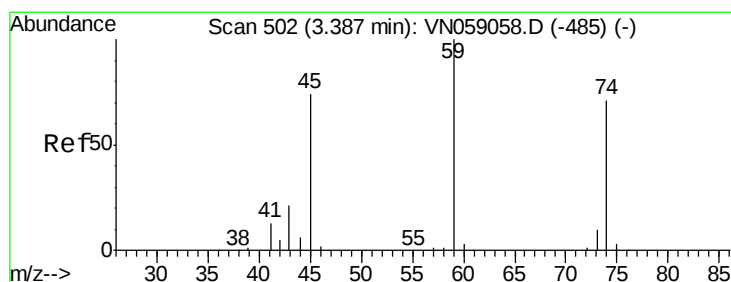
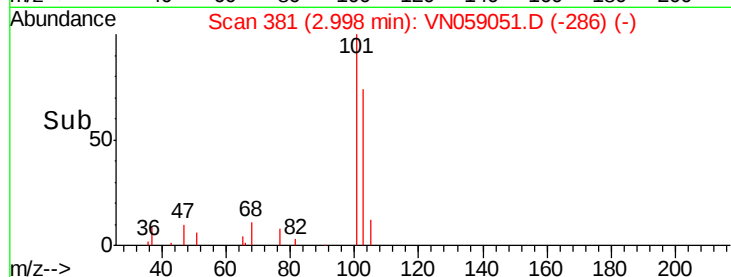
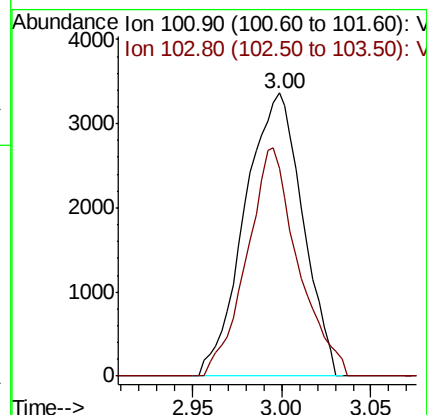
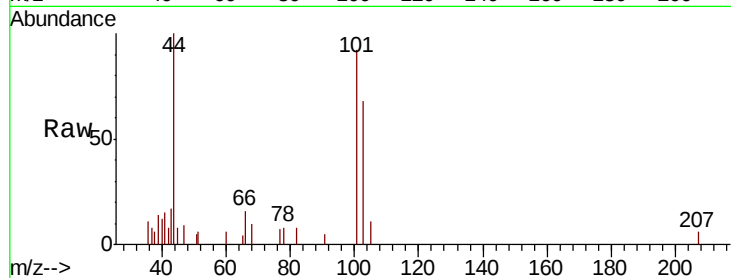


#7

Trichlorofluoromethane
Concen: 0.902 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampleId :

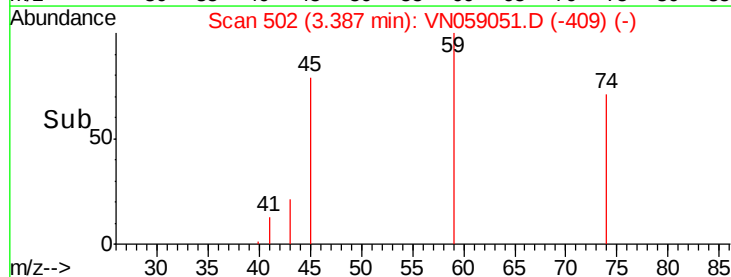
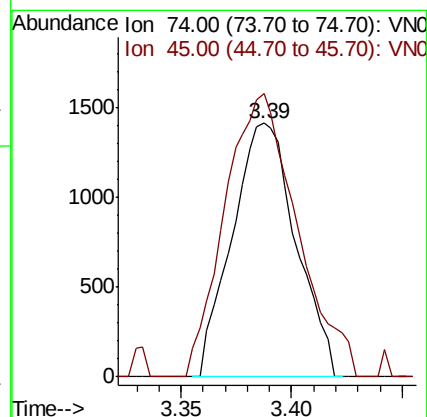
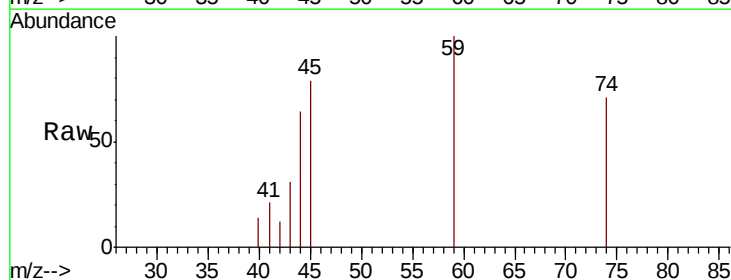
Tot Ion:101 Resp: 7606
Ion Ratio Lower Upper
101 100
103 73.5 51.7 77.5

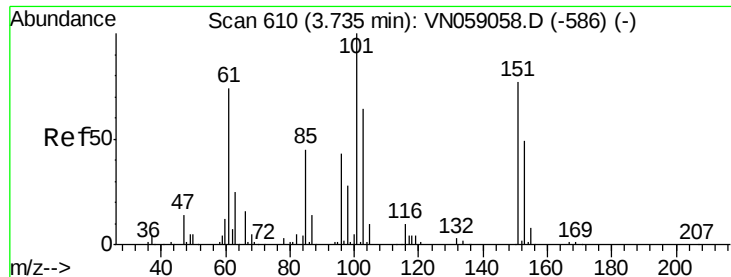


#8

Diethyl Ether
Concen: 0.945 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 74 Resp: 2834
Ion Ratio Lower Upper
74 100
45 126.6 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.979 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampled :

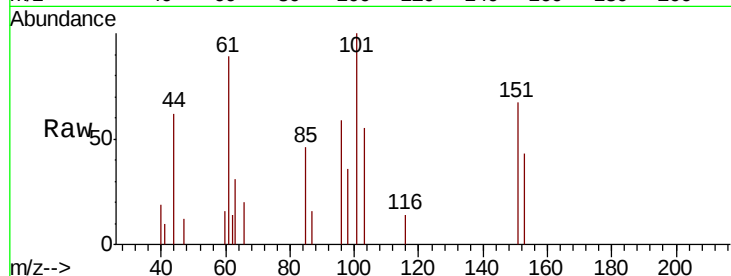
Tot Ion:101 Resp: 4659

Ion Ratio Lower Upper

101 100

85 47.5 35.0 52.6

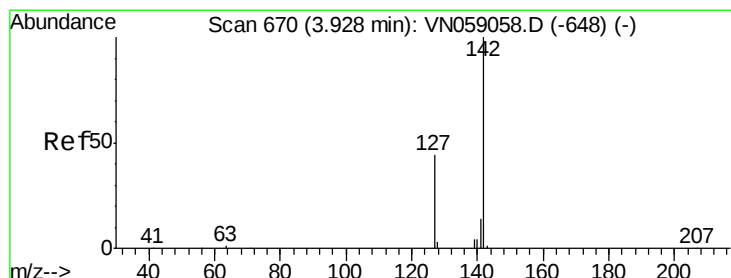
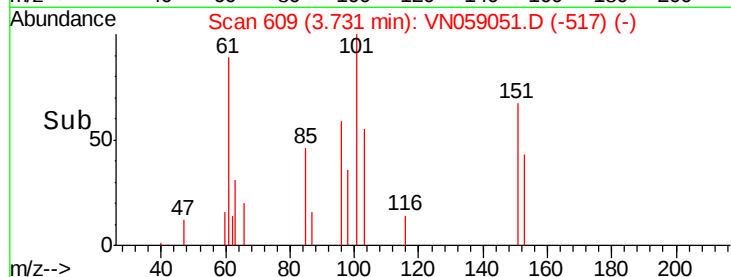
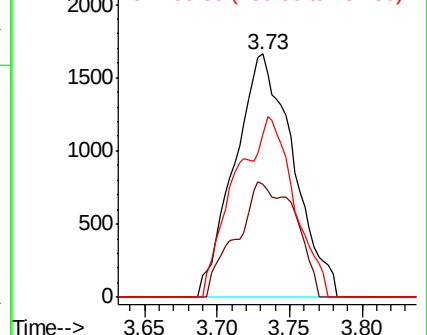
151 75.4 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.602 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

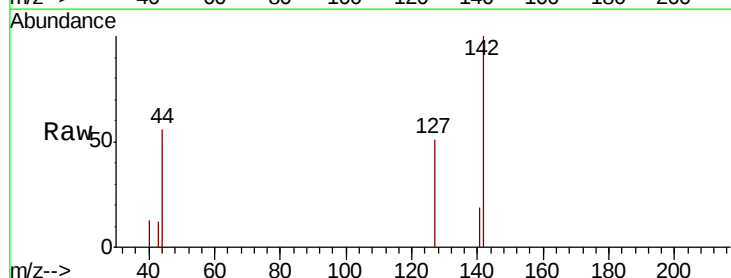
Tgt Ion:142 Resp: 3695

Ion Ratio Lower Upper

142 100

127 48.3 34.2 51.2

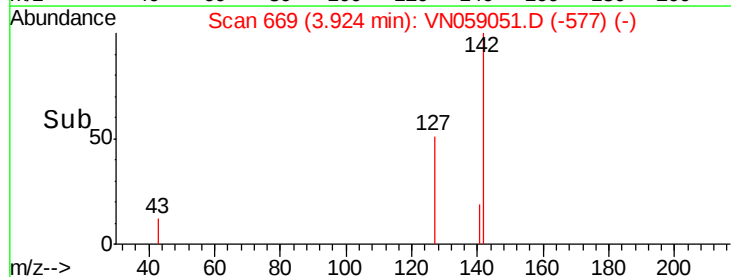
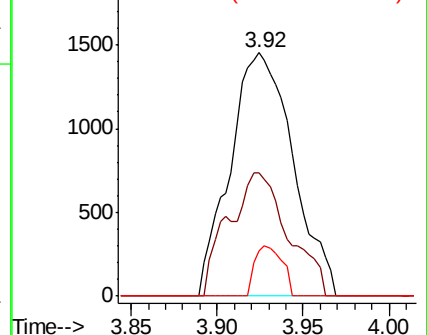
141 8.8 11.1 16.7#

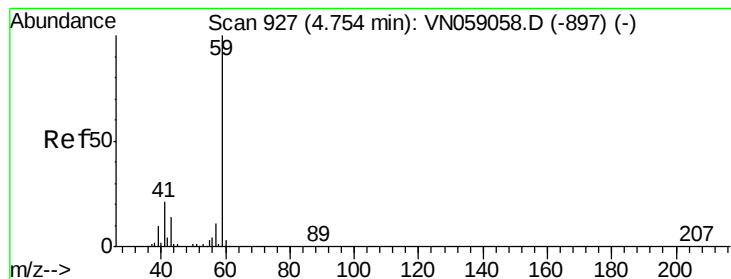


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



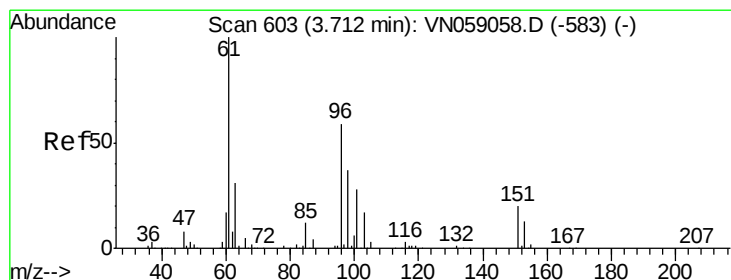
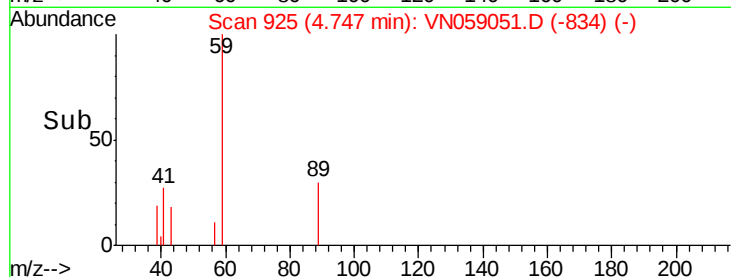
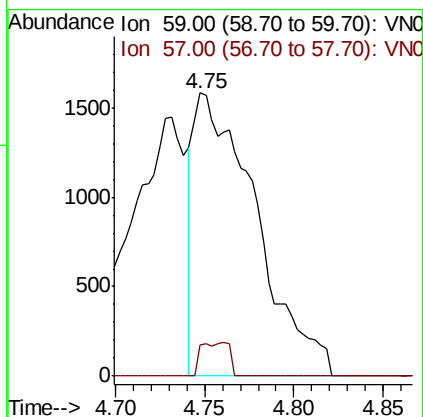
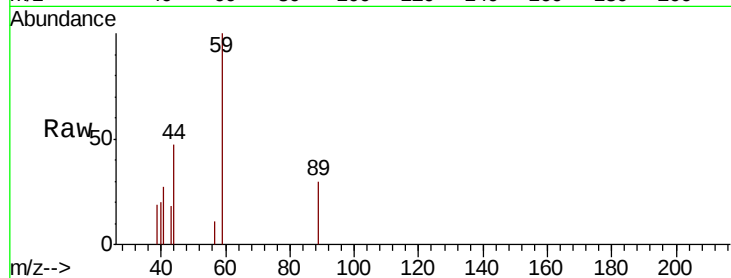


#11

Tert butyl alcohol
 Concen: 3.432 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :

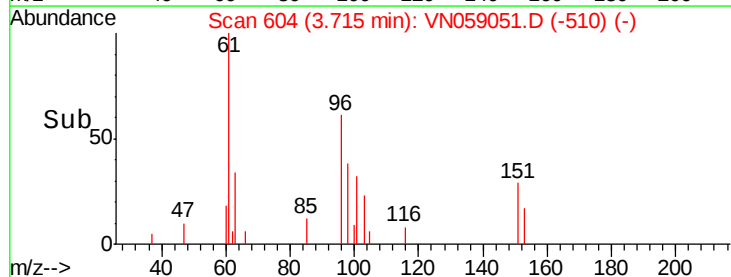
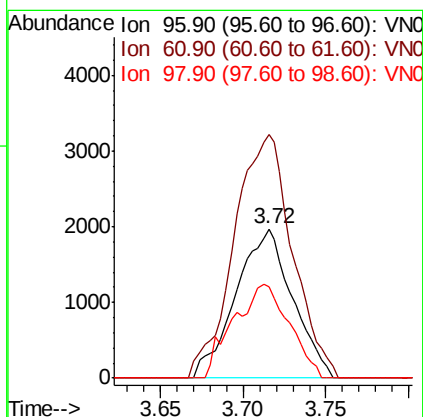
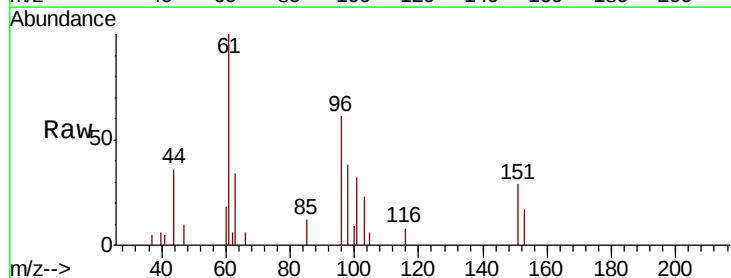
Tot Ion: 59 Resp: 3809
 Ion Ratio Lower Upper
 59 100
 57 2.7 8.2 12.4#

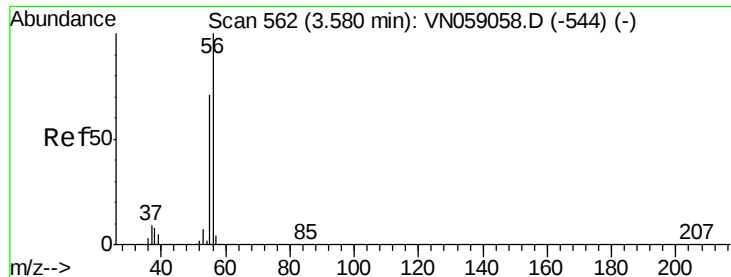


#12

1,1-Dichloroethene
 Concen: 1.047 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Tgt Ion: 96 Resp: 4684
 Ion Ratio Lower Upper
 96 100
 61 163.1 135.3 202.9
 98 61.5 49.4 74.2





#13

Acrolein

Concen: 4.039 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

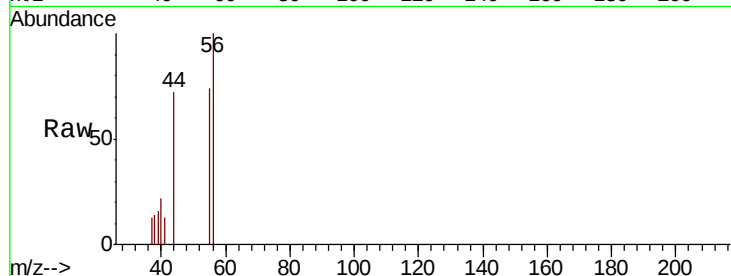
ClientSampled :

Tot Ion: 56 Resp: 3024

Ion Ratio Lower Upper

56 100

55 77.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN059058.D (-544) (-)

Ion 55.00 (54.70 to 55.70): VN059058.D (-544) (-)

1500

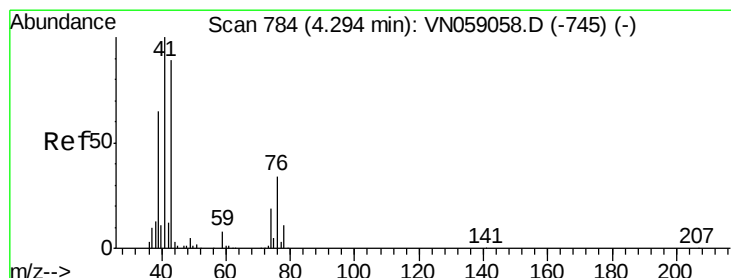
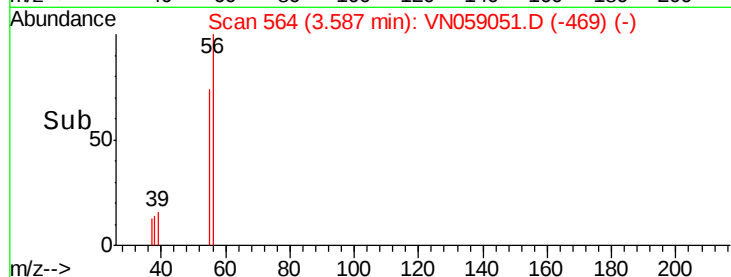
1000

500

0

3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 0.995 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

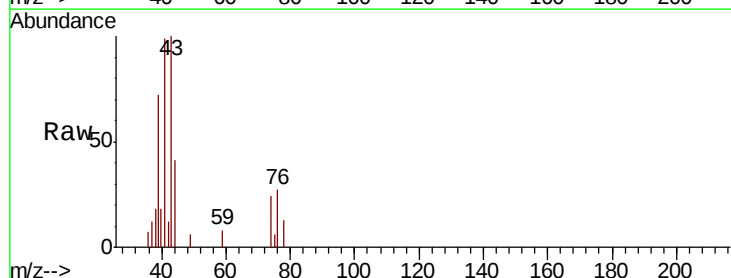
Tgt Ion: 41 Resp: 8987

Ion Ratio Lower Upper

41 100

39 70.5 49.4 74.2

76 29.3 24.6 37.0



Abundance Ion 41.00 (40.70 to 41.70): VN059058.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN059058.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN059058.D (-745) (-)

4000

3000

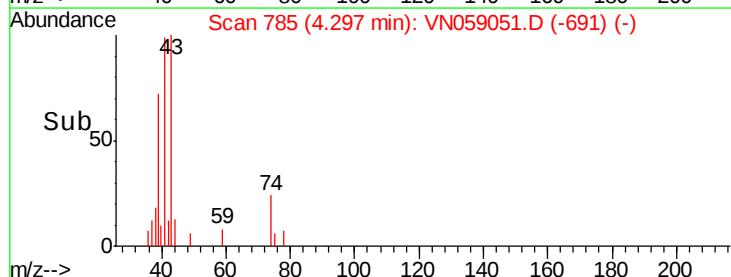
2000

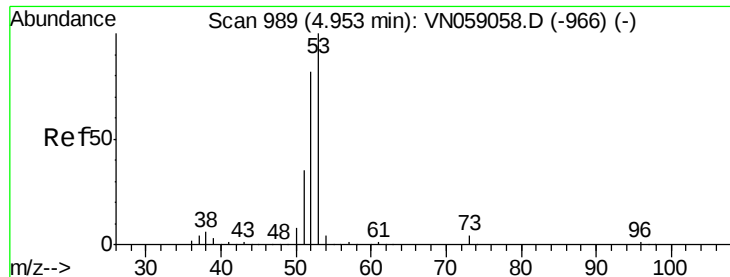
1000

0

4.20 4.25 4.30 4.35

Time-->





#15

Acrylonitrile

Concen: 4.663 ug/l

RT: 4.97 min Scan# 993

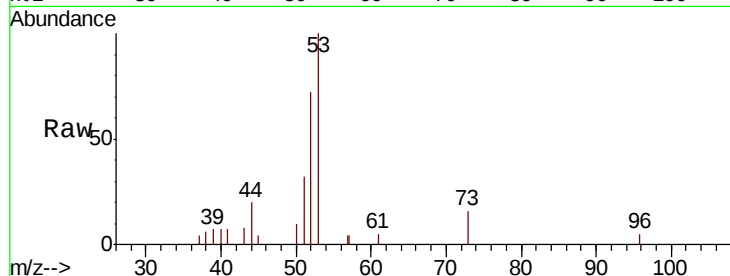
Delta R.T. 0.01 min

Lab File: VN059051.D

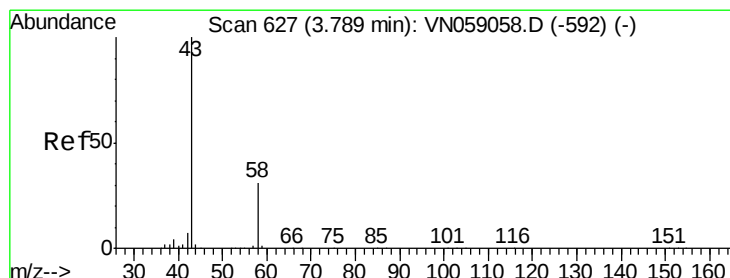
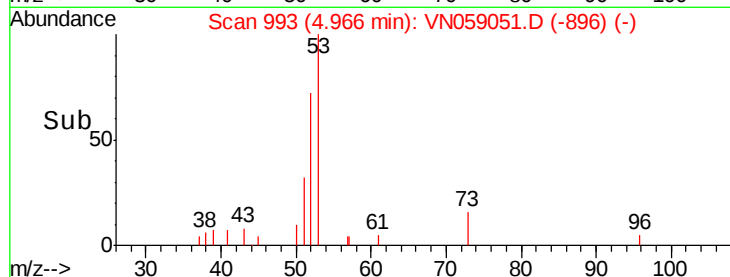
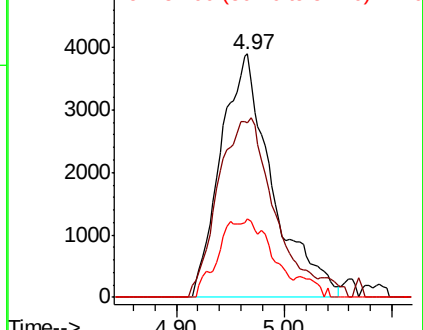
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	12928
Ion	Ratio	Lower	Upper
53	100		
52	79.4	66.0	99.0
51	13.1	28.3	42.5#



Abundance Ion 53.00 (52.70 to 53.70): VN059051.D (-993) (-)



#16

Acetone

Concen: 4.483 ug/l

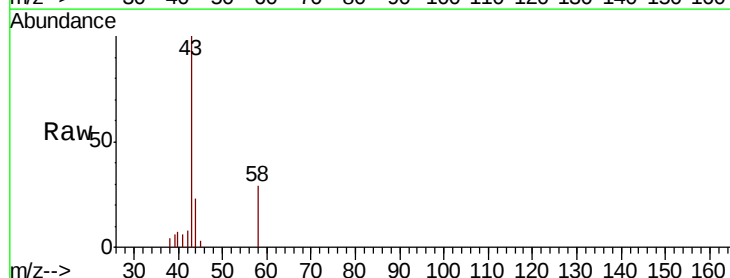
RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

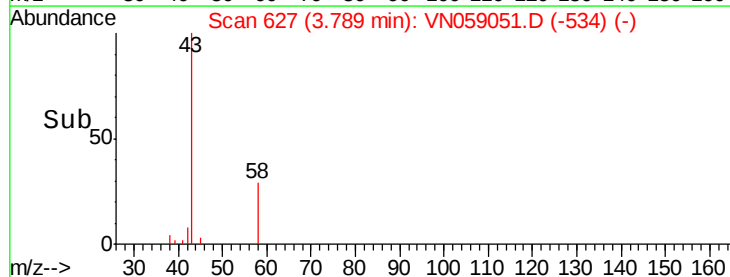
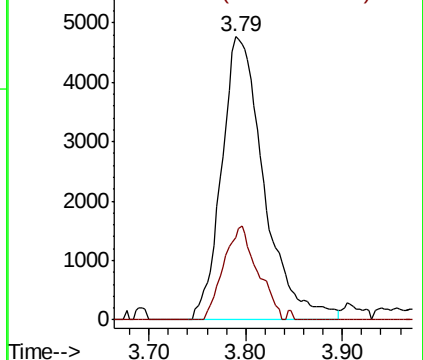
Lab File: VN059051.D

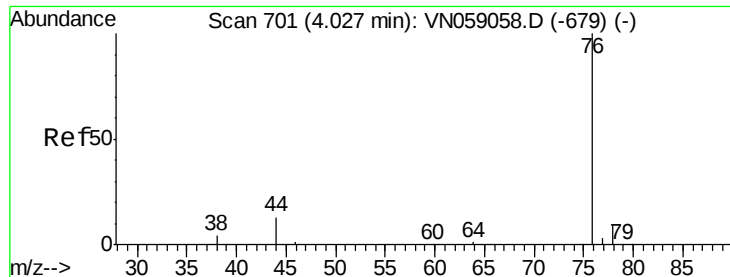
Acq: 1 Nov 2019 10:25

Tgt Ion:	43	Resp:	14511
Ion	Ratio	Lower	Upper
43	100		
58	29.2	25.0	37.6



Abundance Ion 43.00 (42.70 to 43.70): VN059051.D (-627) (-)

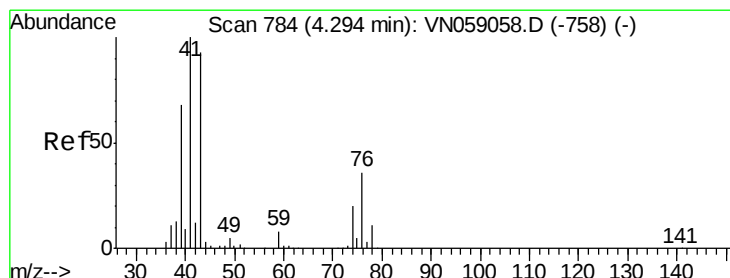
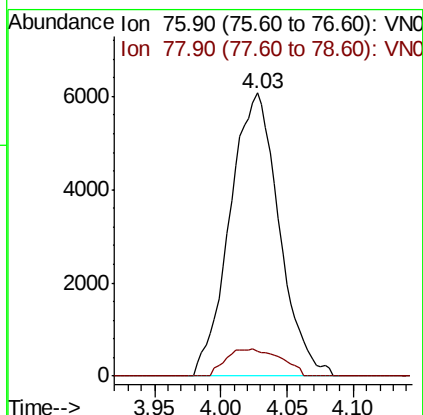
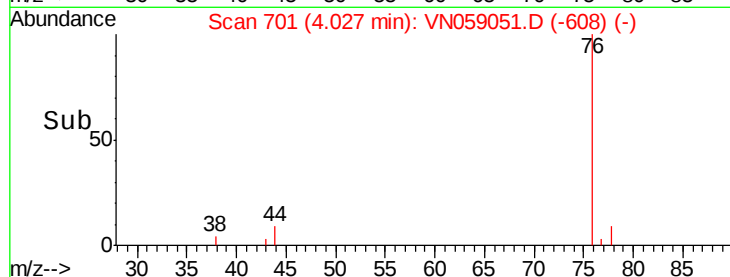
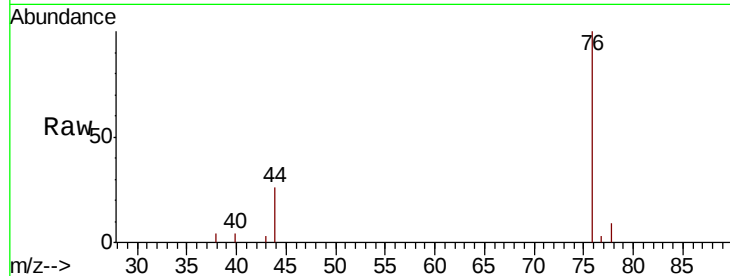




#17
Carbon Disulfide
Concen: 1.093 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

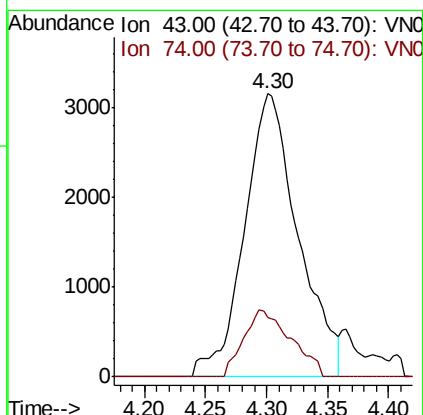
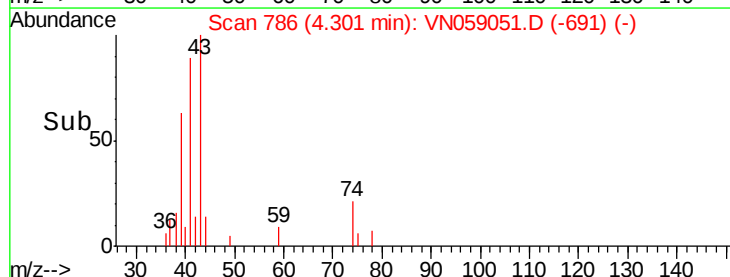
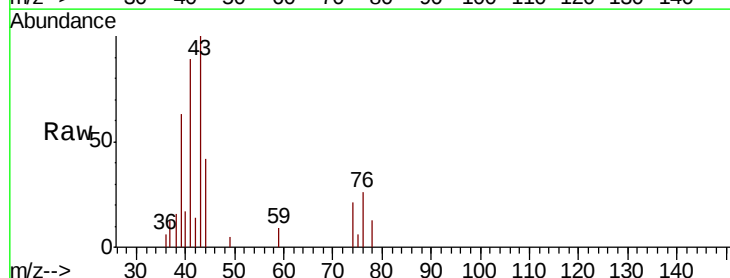
Instrument :
MSVOA_N
ClientSampled :

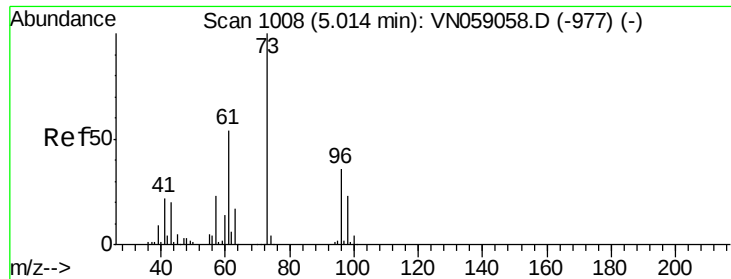
Tot Ion: 76 Resp: 15675
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 1.280 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 43 Resp: 9593
Ion Ratio Lower Upper
43 100
74 20.8 17.5 26.3

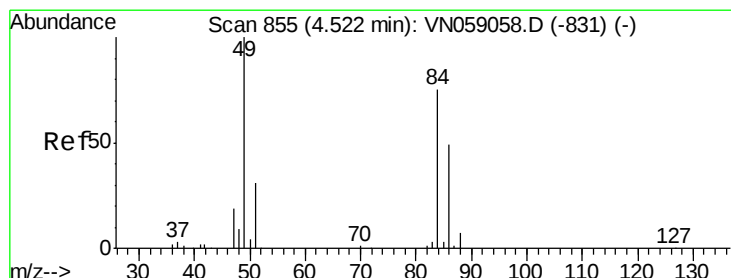
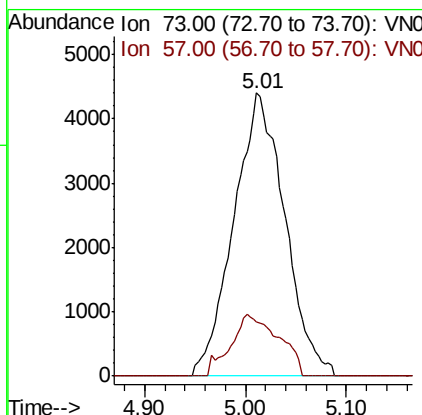
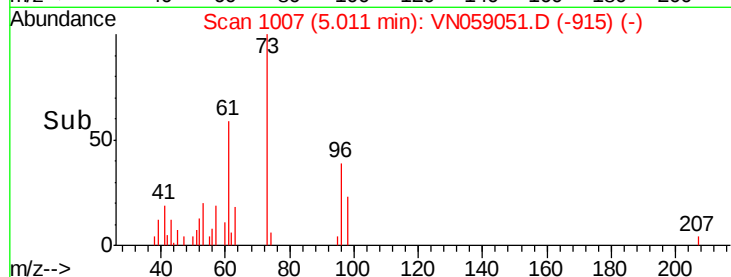
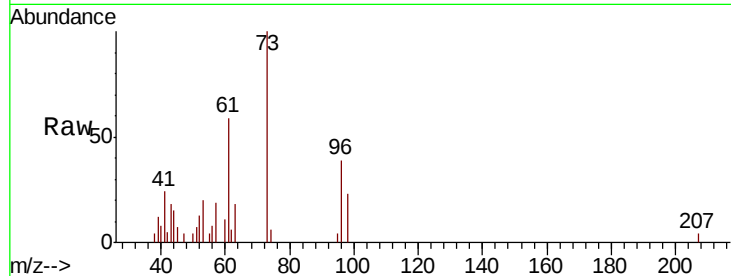




#19
Methyl tert-butyl Ether
Concen: 0.993 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

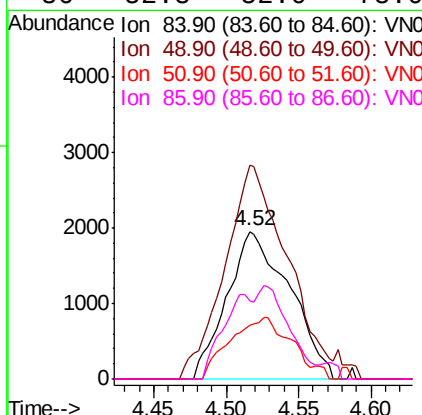
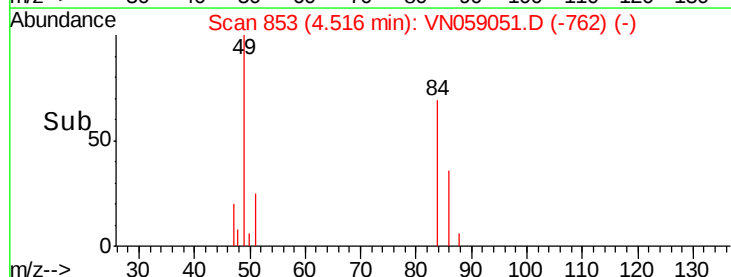
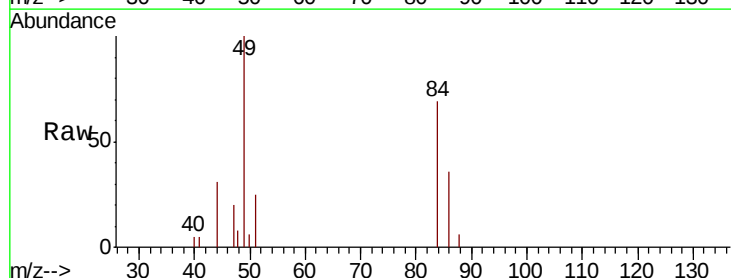
Instrument :
MSVOA_N
ClientSampled :

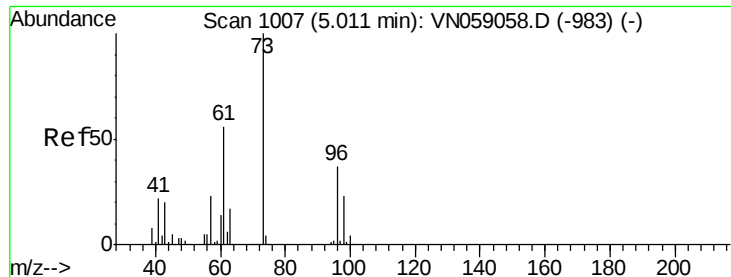
Tot Ion: 73 Resp: 15454
Ion Ratio Lower Upper
73 100
57 19.4 18.4 27.6



#20
Methylene Chloride
Concen: 1.045 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 84 Resp: 5856
Ion Ratio Lower Upper
84 100
49 130.7 106.4 159.6
51 36.4 33.0 49.4
86 52.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 1.005 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

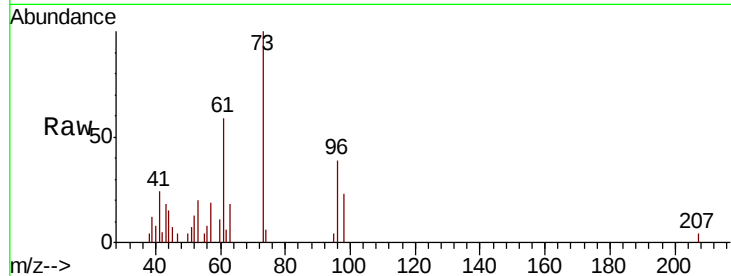
Tot Ion: 96 Resp: 4944

Ion Ratio Lower Upper

96 100

61 150.6 121.7 182.5

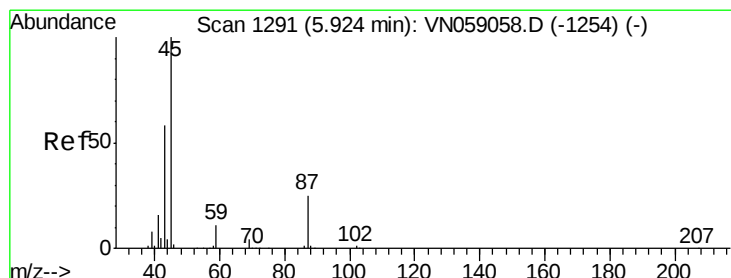
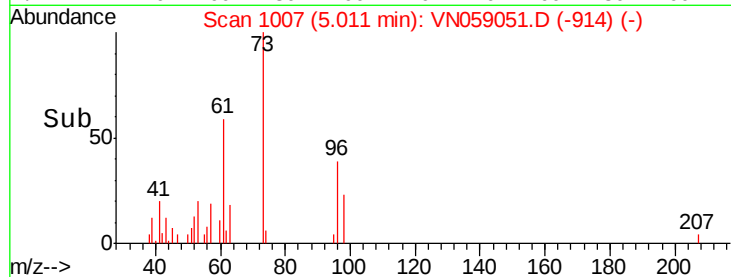
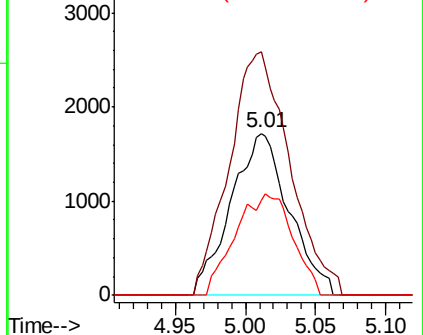
98 58.4 50.6 76.0



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: 0.867 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Tgt Ion: 45 Resp: 15239

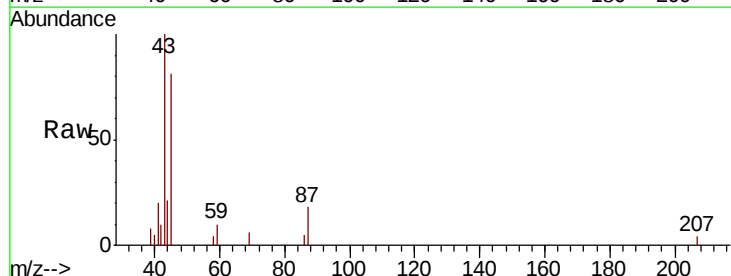
Ion Ratio Lower Upper

45 100

43 108.7 46.9 70.3#

87 22.3 20.1 30.1

59 12.7 9.0 13.4

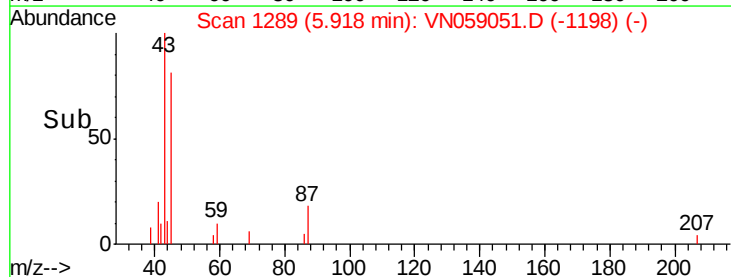
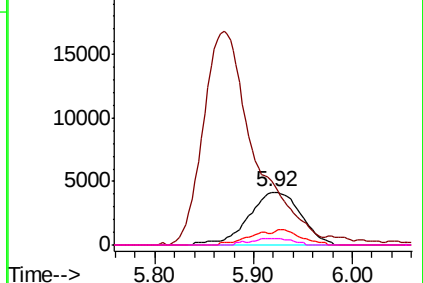


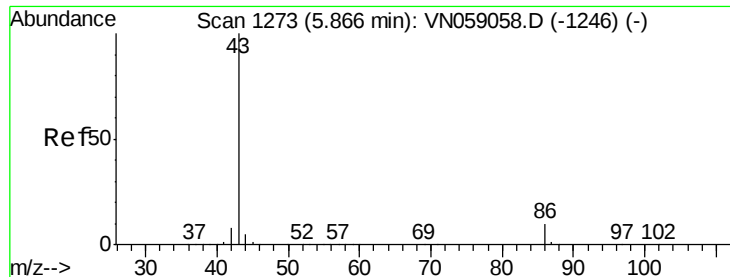
Abundance Ion 45.00 (44.70 to 45.70): VNC

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: 4.334 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

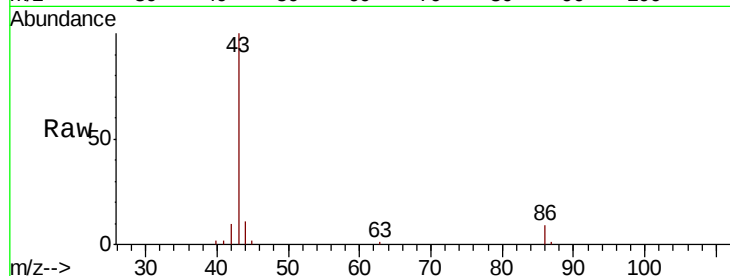
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 60886

Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059051.D (-1274) (-)

Ion 86.00 (85.70 to 86.70): VN059051.D (-1274) (-)

5.87

15000

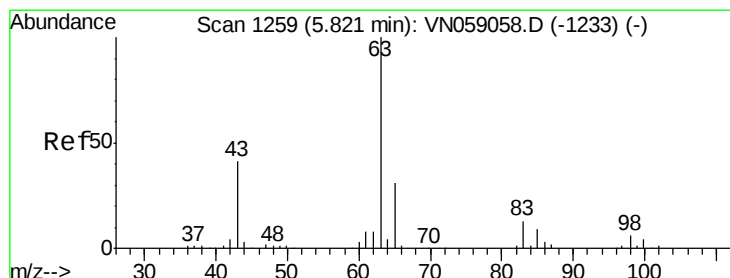
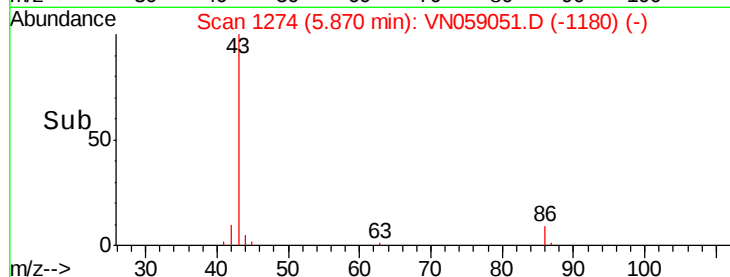
10000

5000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 0.984 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

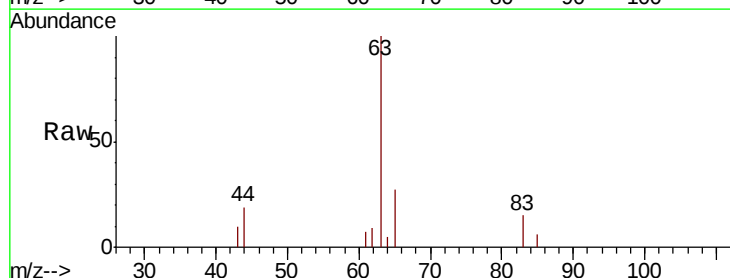
Tgt Ion: 63 Resp: 10025

Ion Ratio Lower Upper

63 100

98 0.0 3.2 9.6#

100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VN059051.D (-1259) (-)

Ion 97.90 (97.60 to 98.60): VN059051.D (-1259) (-)

Ion 99.90 (99.60 to 100.60): VN059051.D (-1259) (-)

5.82

4000

3000

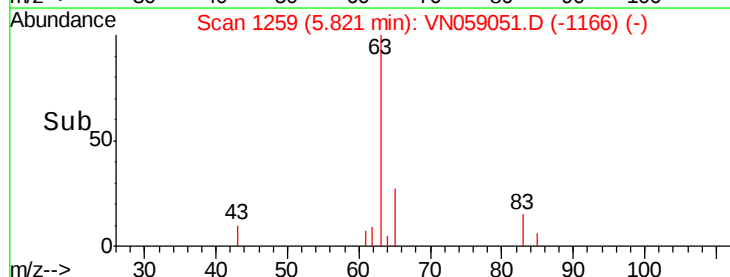
2000

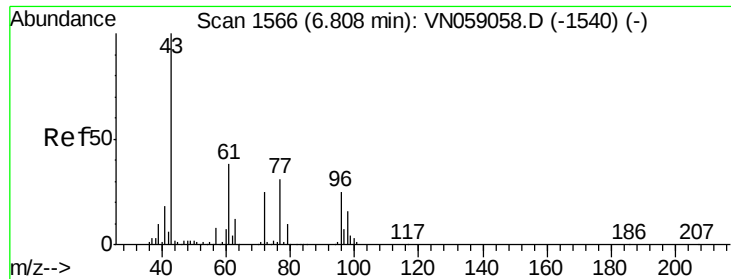
1000

0

Time-->

5.75 5.80 5.85 5.90

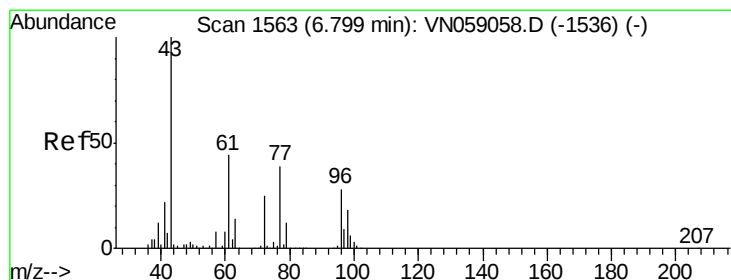
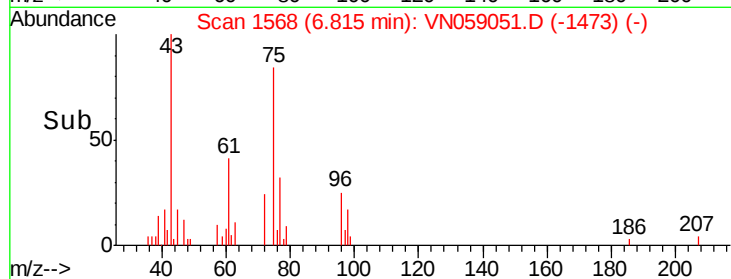
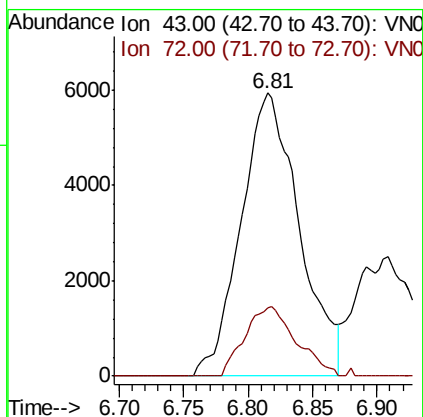
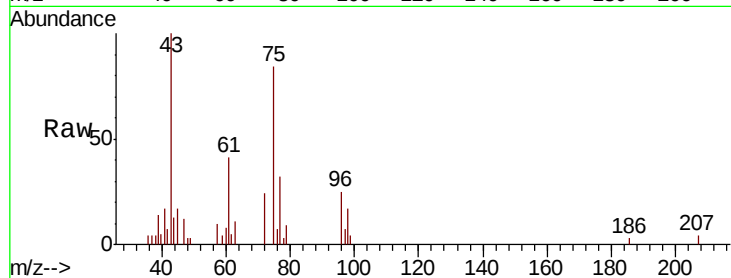




#25
2-Butanone
Concen: 4.428 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

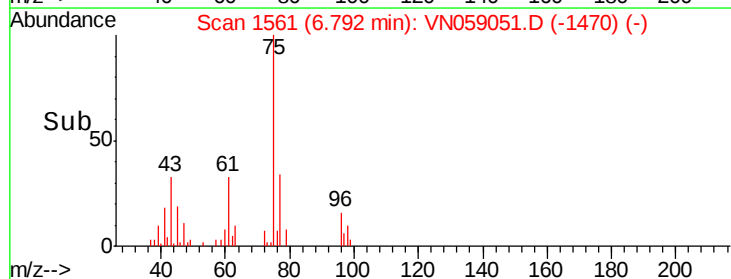
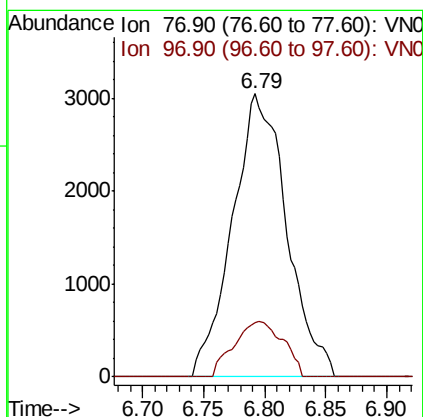
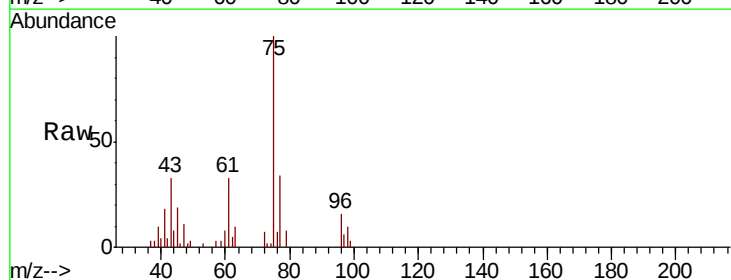
Instrument :
MSVOA_N
ClientSampleId :

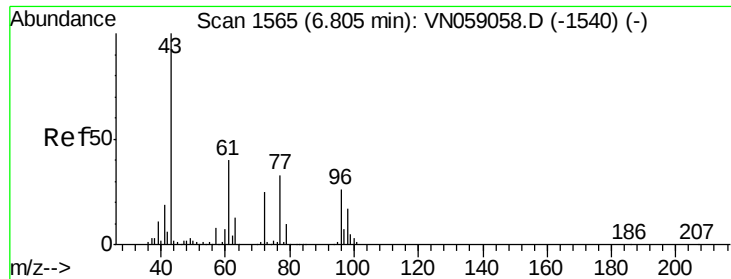
Tot Ion: 43 Resp: 18726
Ion Ratio Lower Upper
43 100
72 24.2 19.9 29.9



#26
2,2-Dichloropropane
Concen: 1.071 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 77 Resp: 9404
Ion Ratio Lower Upper
77 100
97 17.7 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 0.962 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampled :

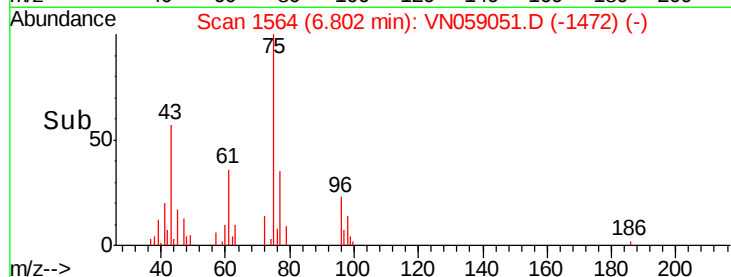
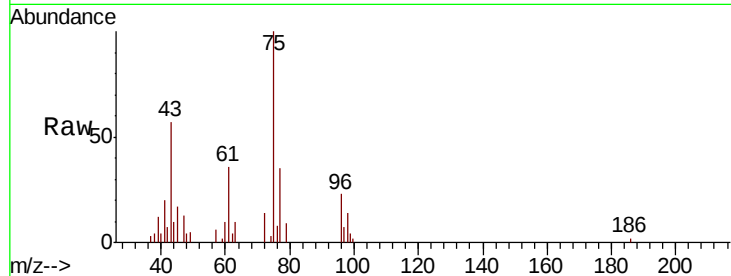
Tot Ion: 96 Resp: 5393

Ion Ratio Lower Upper

96 100

61 169.9 0.0 316.4

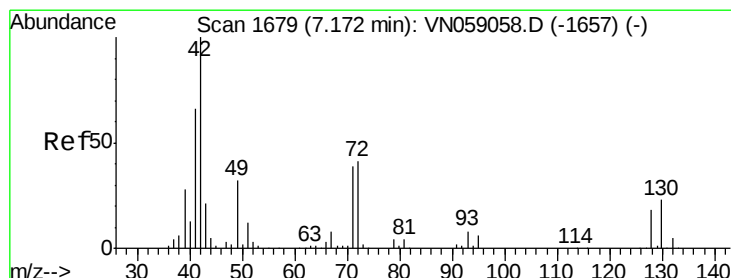
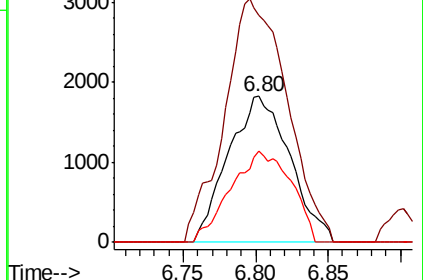
98 61.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.071 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

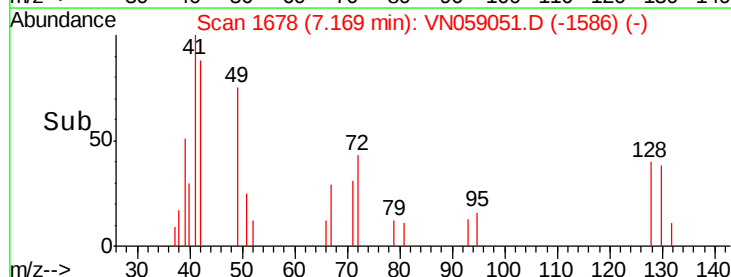
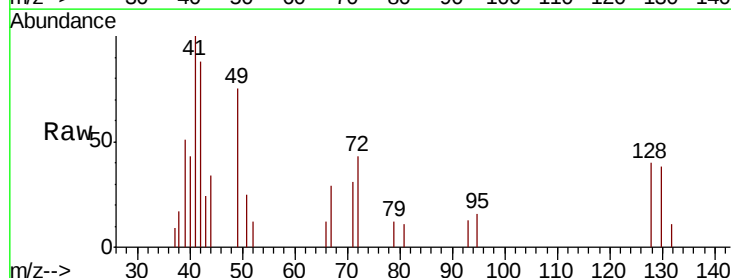
Tgt Ion: 49 Resp: 3582

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

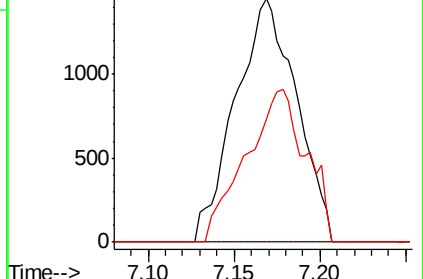
130 61.7 55.0 82.6

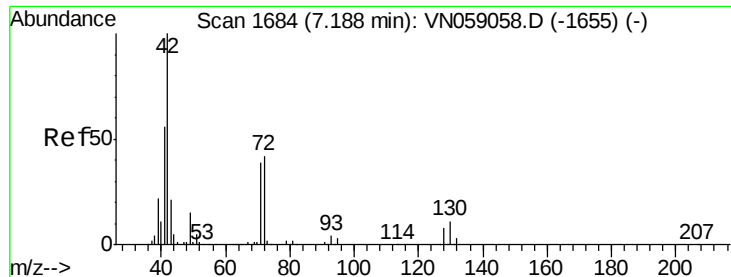


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

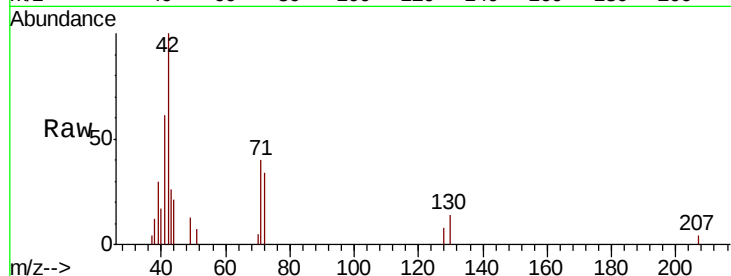




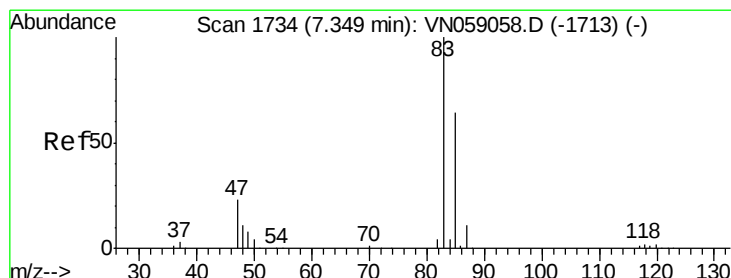
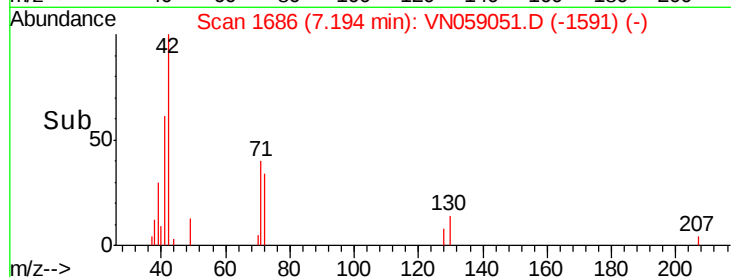
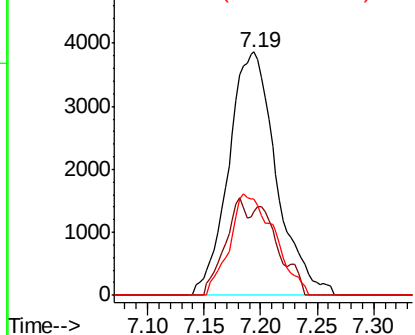
#29
Tetrahydrofuran
Concen: 4.367 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 11325
Ion Ratio Lower Upper
42 100
72 18.0 32.7 49.1#
71 39.0 31.2 46.8

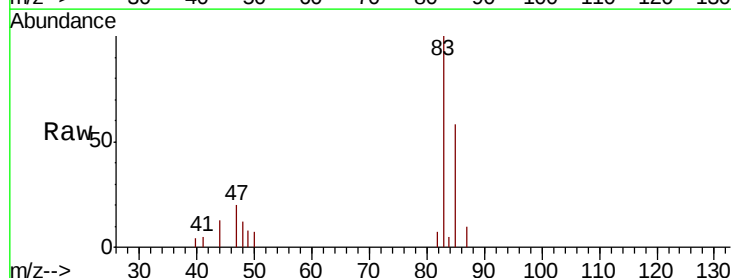


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

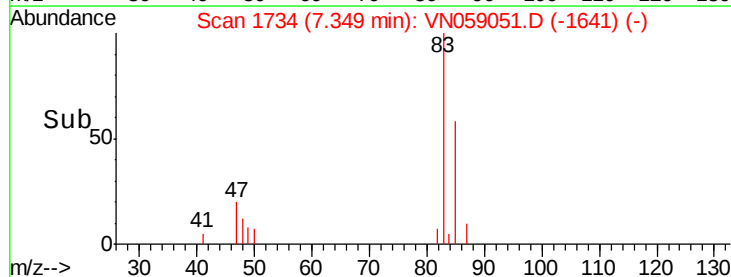
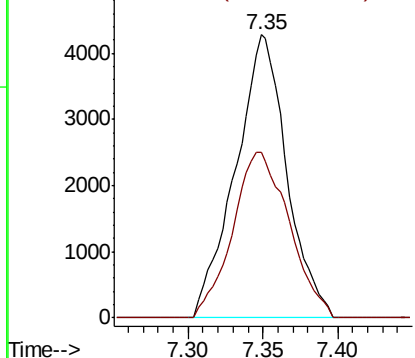


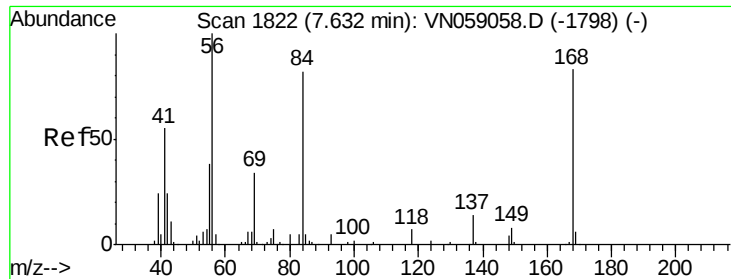
#30
Chloroform
Concen: 1.006 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 83 Resp: 10220
Ion Ratio Lower Upper
83 100
85 58.4 50.9 76.3



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

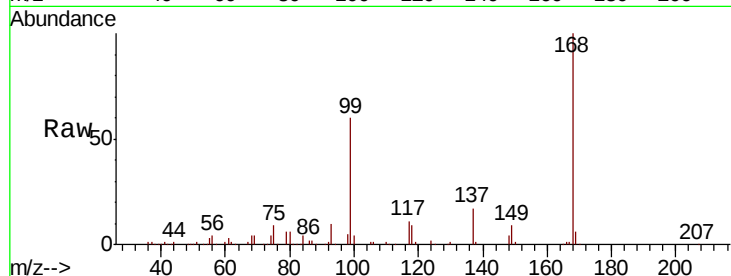




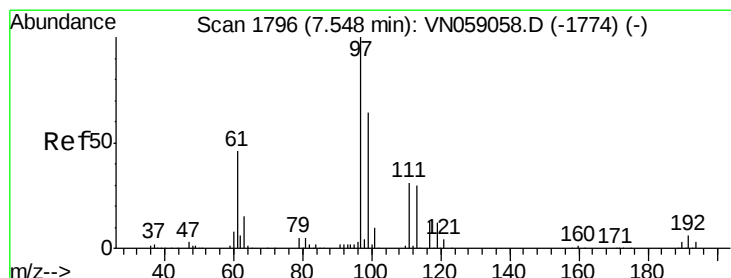
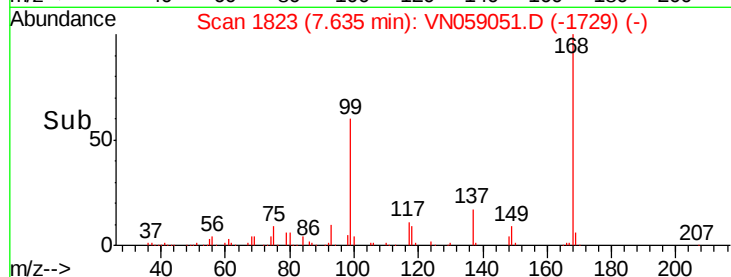
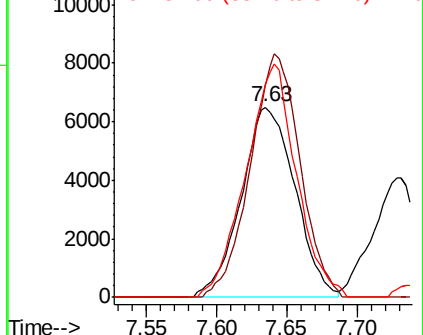
#31
Cyclohexane
Concen: 1.826 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 17305
Ion Ratio Lower Upper
56 100
69 111.3 27.2 40.8#
84 111.7 65.2 97.8#

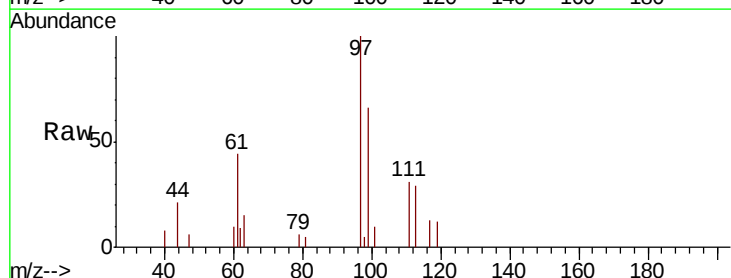


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

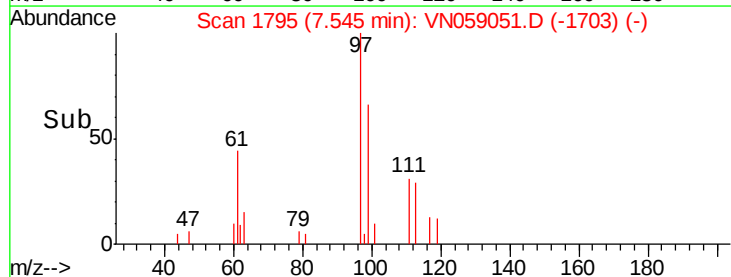
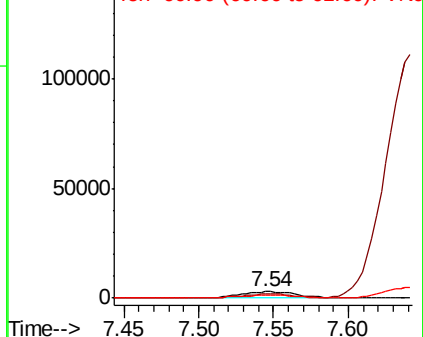


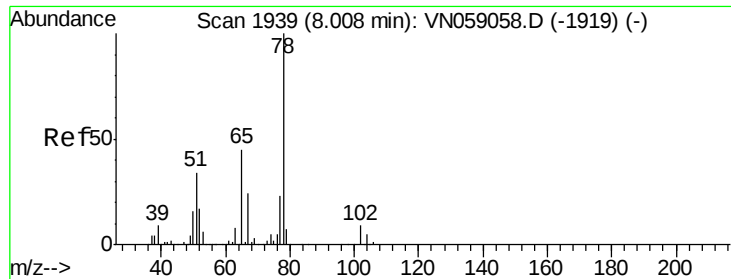
#32
1,1,1-Trichloroethane
Concen: 0.908 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 97 Resp: 7750
Ion Ratio Lower Upper
97 100
99 0.0 50.7 76.1#
61 48.0 36.3 54.5



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

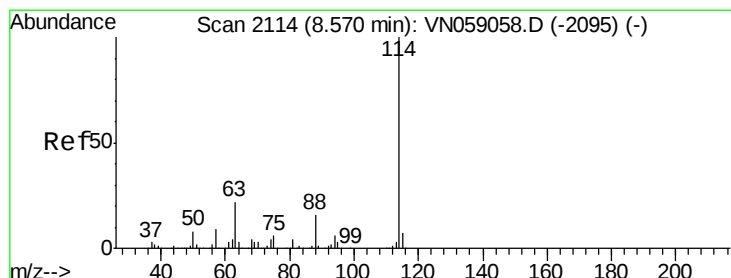
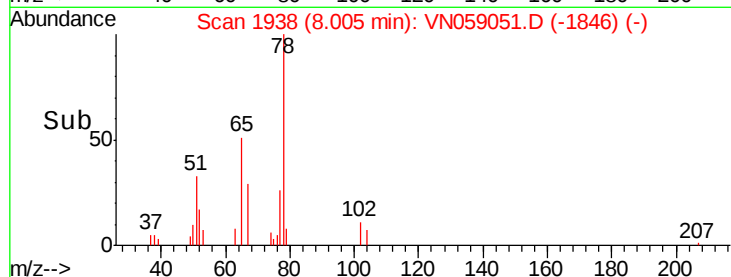
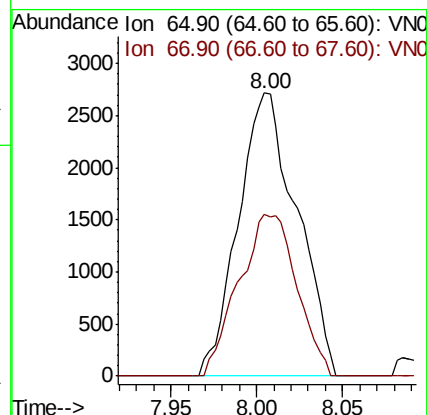
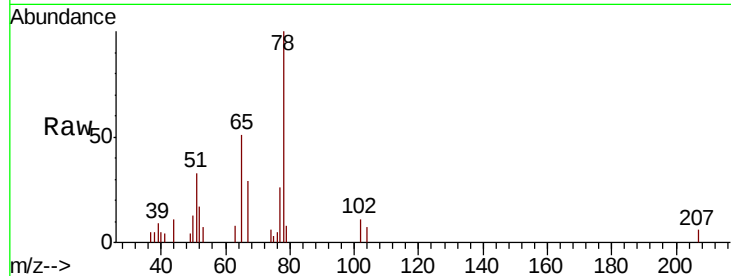




#33
 1,2-Dichloroethane-d4
 Concen: 0.979 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

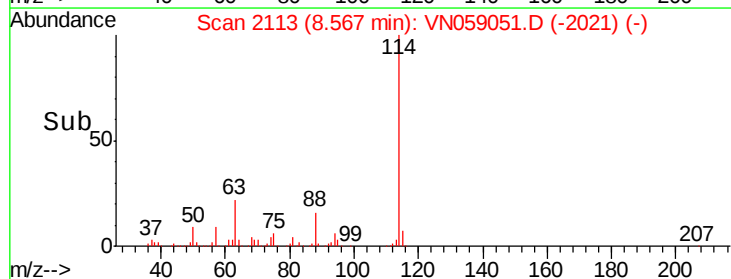
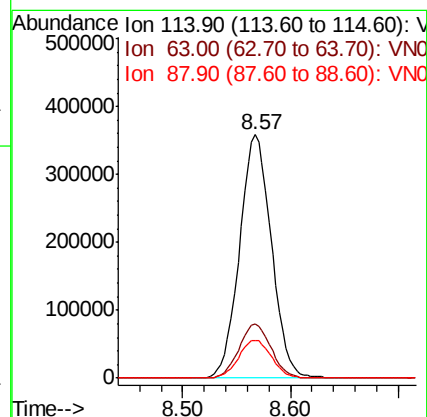
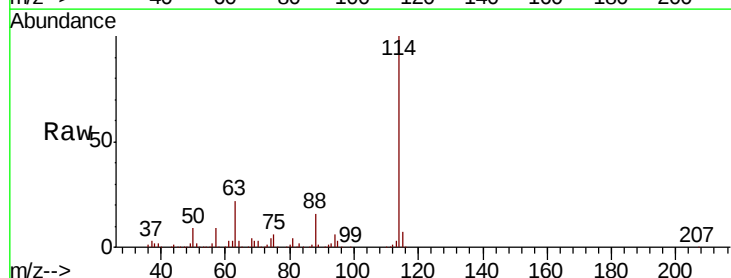
Instrument :
 MSVOA_N
 ClientSampleId :

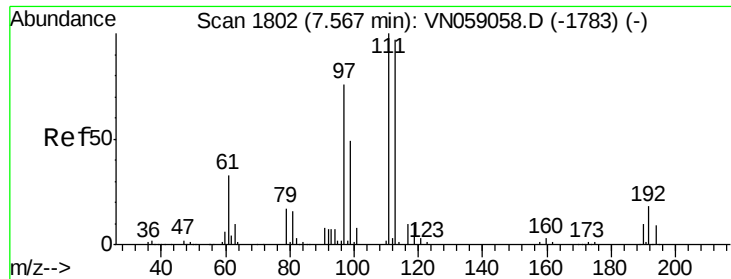
Tot Ion: 65 Resp: 6428
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Tgt Ion:114 Resp: 737853
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 15.6 0.0 33.0

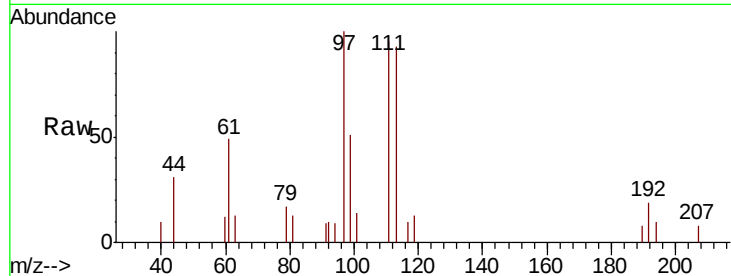




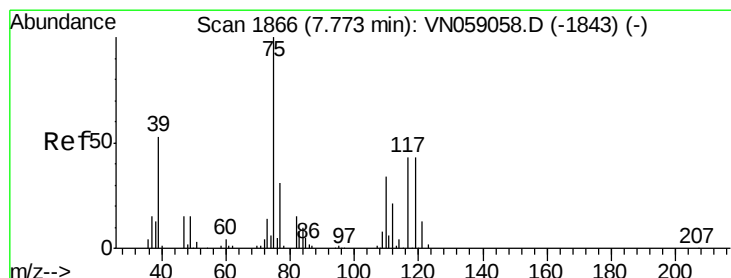
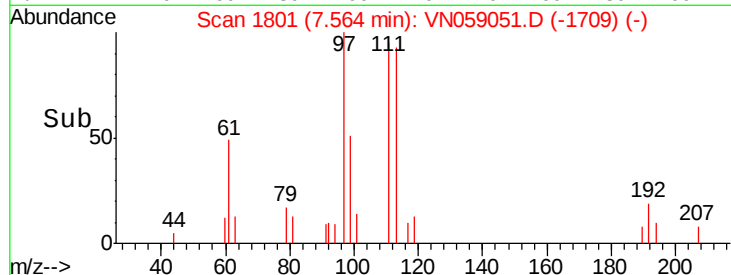
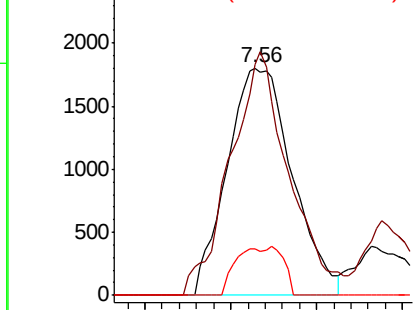
#35
 Dibromofluoromethane
 Concen: 0.982 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 4748
 Ion Ratio Lower Upper
 113 100
 111 96.8 82.9 124.3
 192 8.8 15.9 23.9#

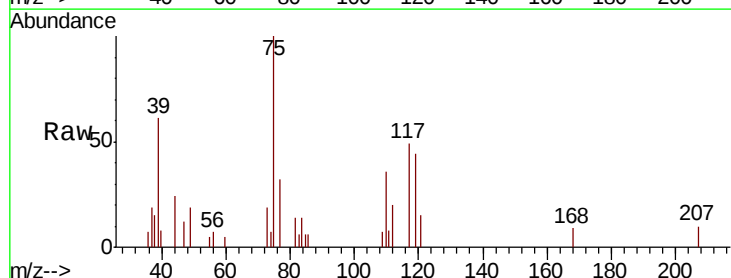


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

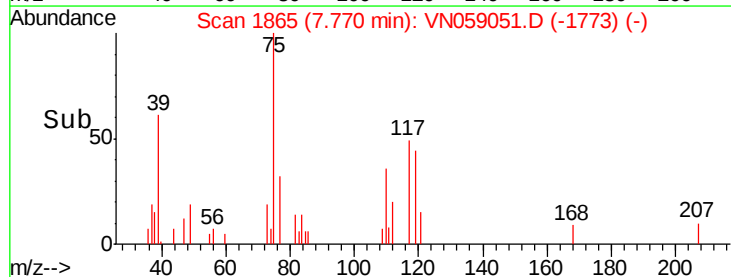
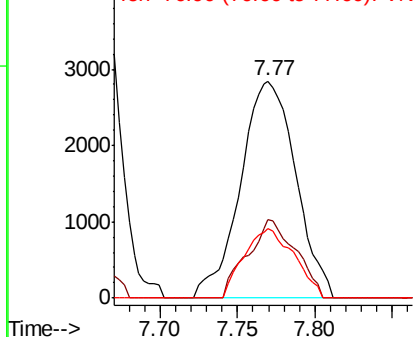


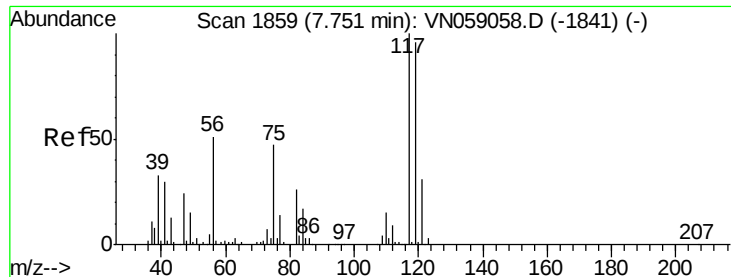
#36
 1,1-Dichloropropene
 Concen: 0.951 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Tgt Ion: 75 Resp: 7068
 Ion Ratio Lower Upper
 75 100
 110 31.4 16.9 50.6
 77 29.0 25.0 37.4



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





#38

Carbon Tetrachloride

Concen: 0.897 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampled :

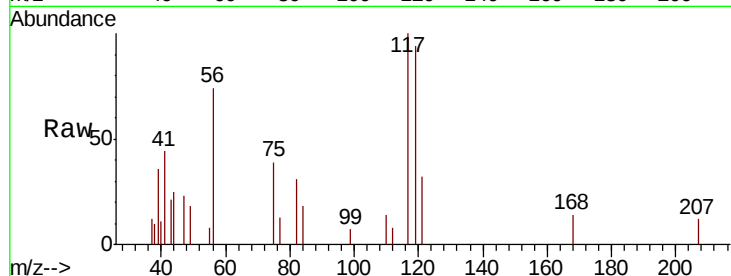
Tot Ion:117 Resp: 6852

Ion Ratio Lower Upper

117 100

119 93.8 76.6 114.8

121 32.2 24.6 37.0

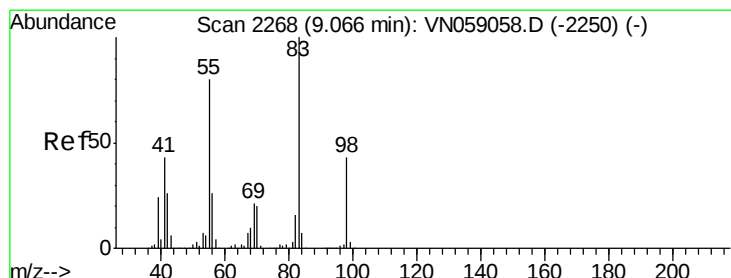
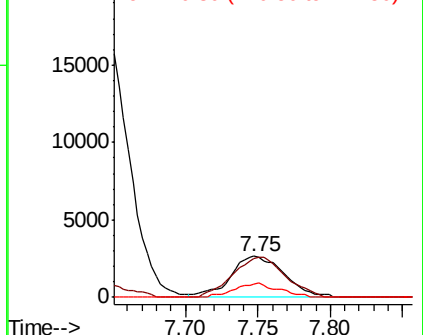
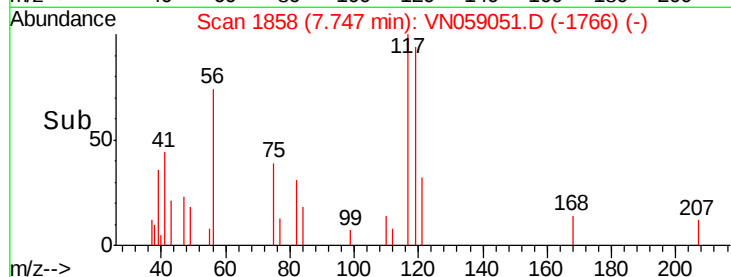


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.860 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

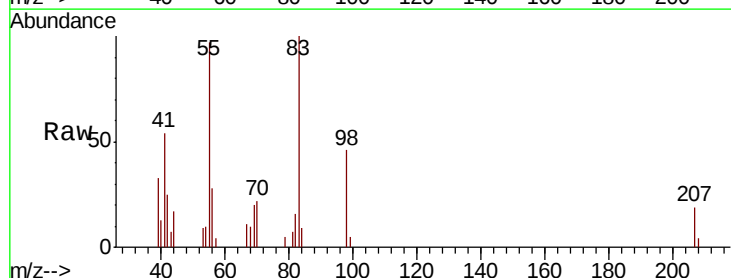
Tgt Ion: 83 Resp: 7236

Ion Ratio Lower Upper

83 100

55 97.4 64.1 96.1#

98 46.0 34.3 51.5

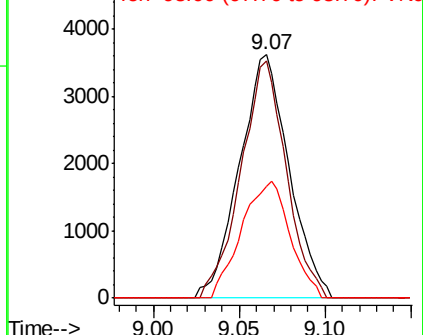
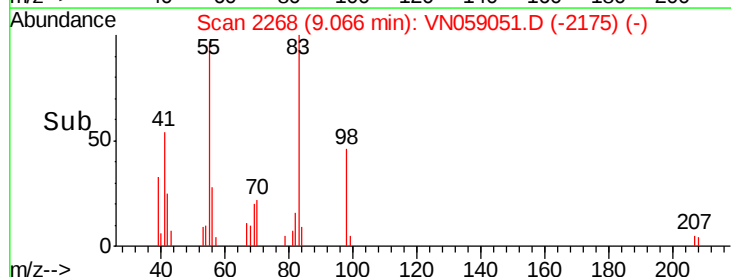


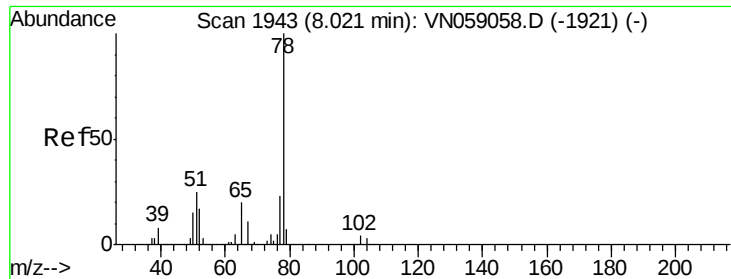
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.967 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

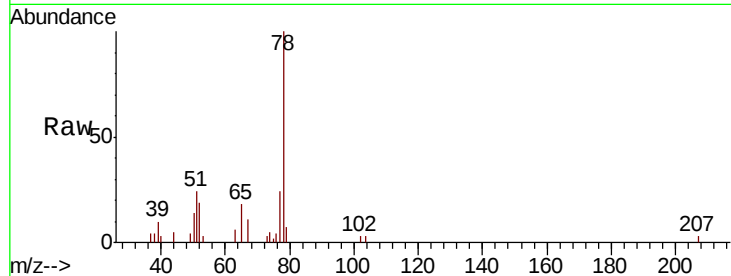
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 21186

Ion Ratio Lower Upper

78 100

77 24.1 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN059058.D (-1921) (-)

Ion 77.00 (76.70 to 77.70): VN059058.D (-1921) (-)

8.02

10000

8000

6000

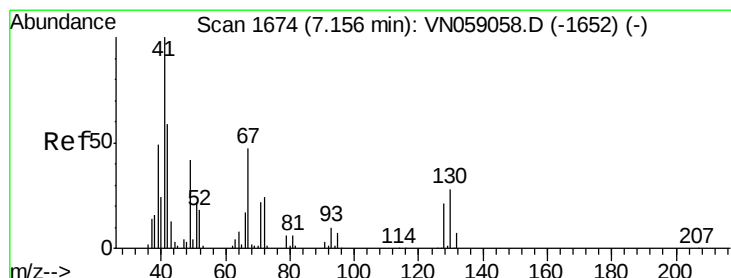
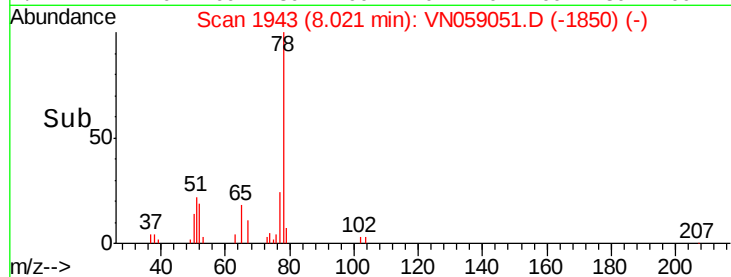
4000

2000

0

7.95 8.00 8.05 8.10

Time-->



#41

Methacrylonitrile

Concen: 2.918 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.03 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Tgt Ion: 41 Resp: 10725

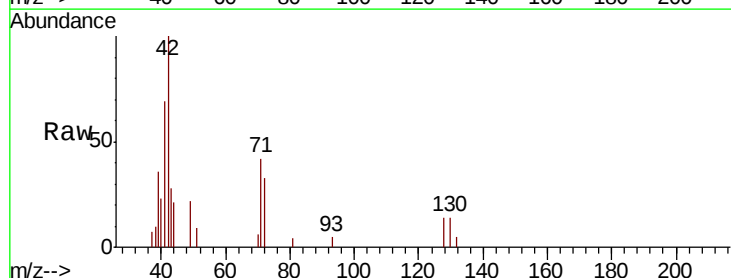
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VN059058.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN059058.D (-1652) (-)

Ion 67.00 (66.70 to 67.70): VN059058.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN059058.D (-1652) (-)

7.19

4000

3000

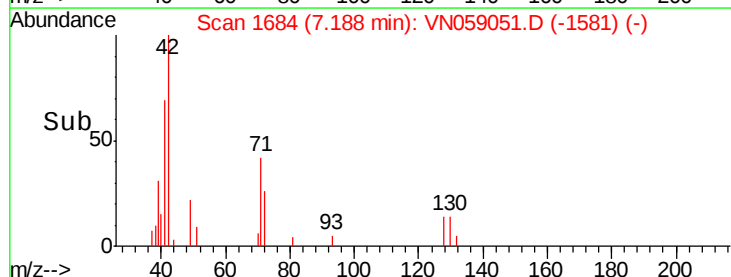
2000

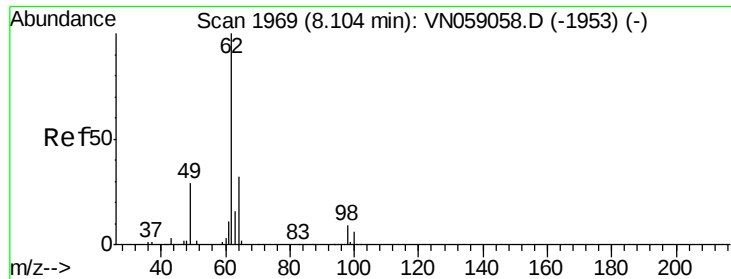
1000

0

7.10 7.20

Time-->





#42

1,2-Dichloroethane

Concen: 0.886 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

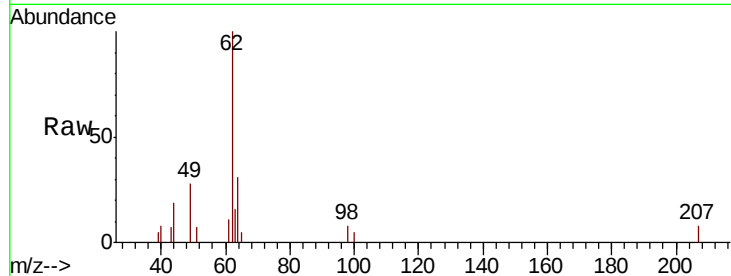
ClientSampleId :

Tot Ion: 62 Resp: 7366

Ion Ratio Lower Upper

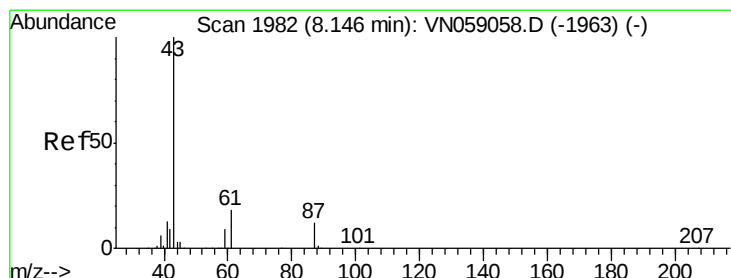
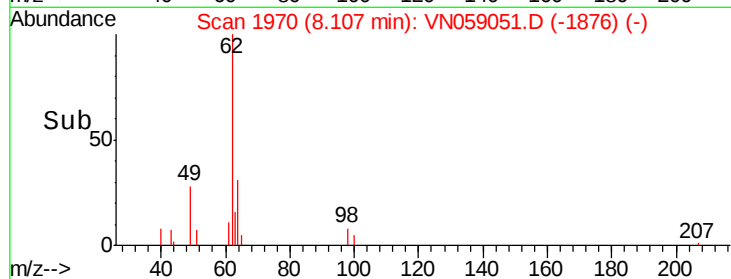
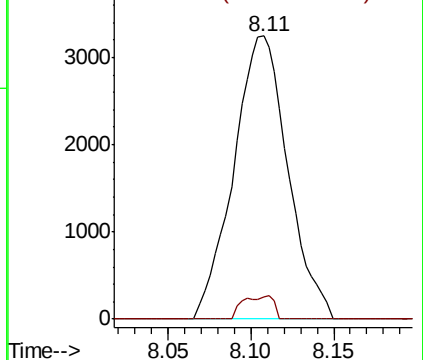
62 100

98 4.8 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 0.856 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

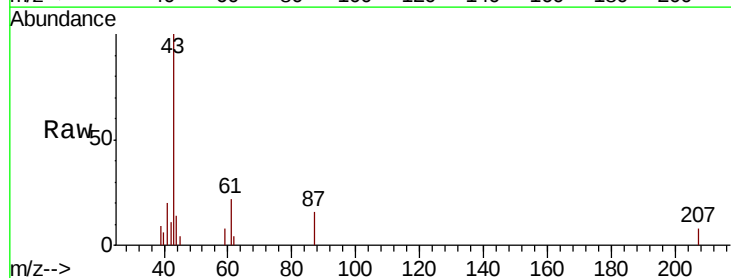
Tgt Ion: 43 Resp: 11161

Ion Ratio Lower Upper

43 100

61 15.8 20.5 30.7#

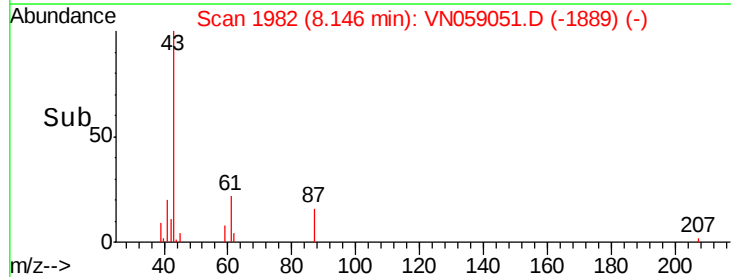
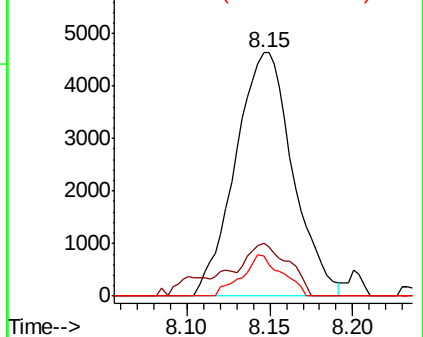
87 11.6 9.8 14.8

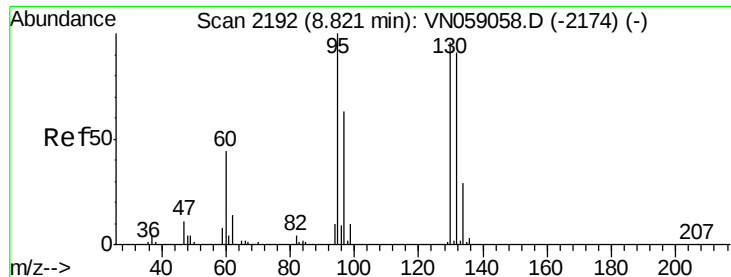


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

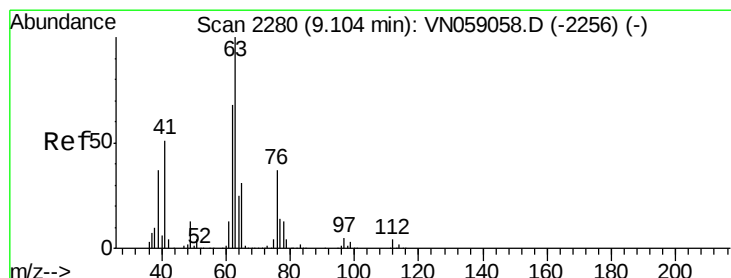
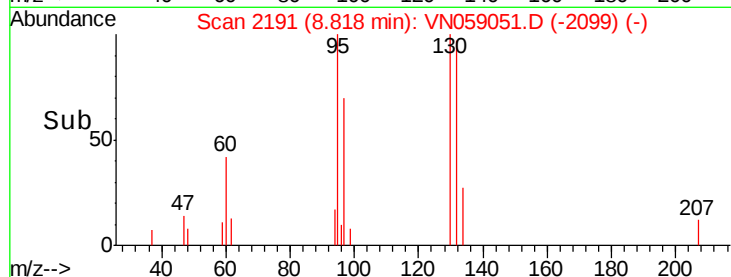
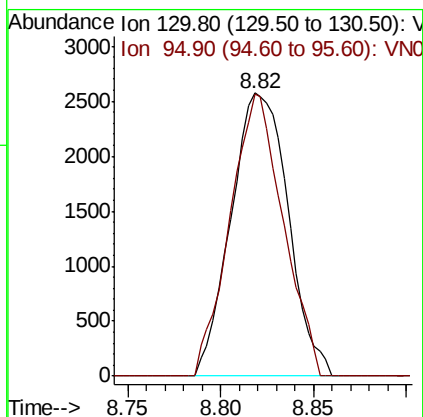
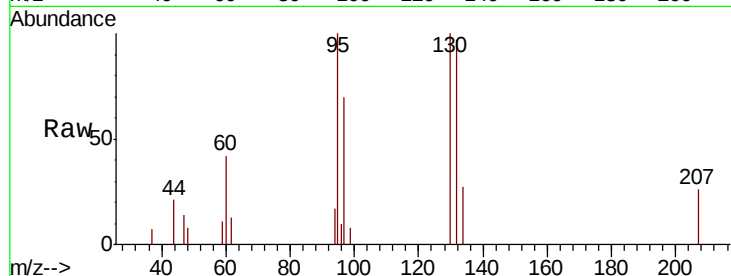




#44
 Trichloroethene
 Concen: 1.030 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

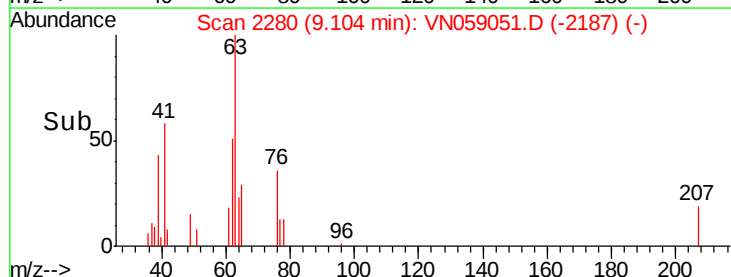
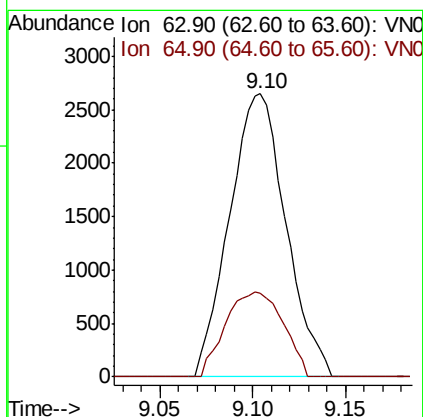
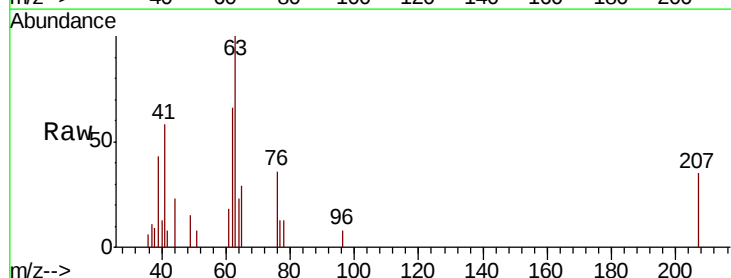
Instrument :
 MSVOA_N
 ClientSampled :

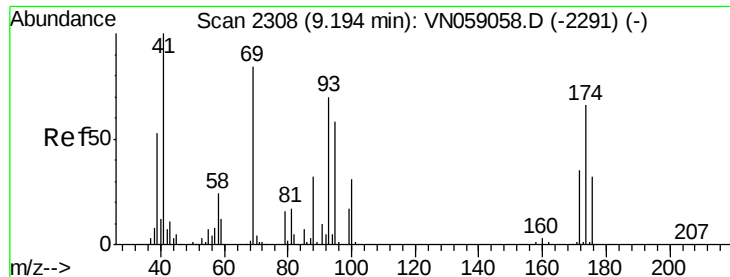
Tot Ion:130 Resp: 5509
 Ion Ratio Lower Upper
 130 100
 95 99.7 0.0 207.6



#45
 1,2-Dichloropropane
 Concen: 0.932 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Tgt Ion: 63 Resp: 5598
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.6

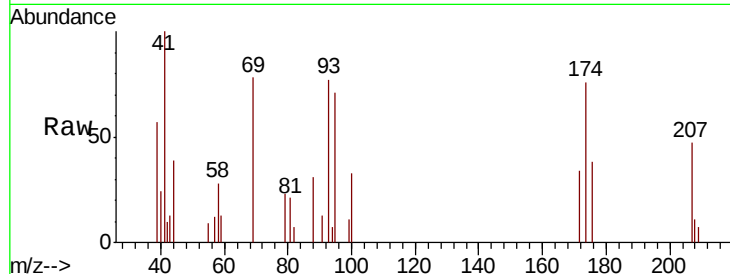




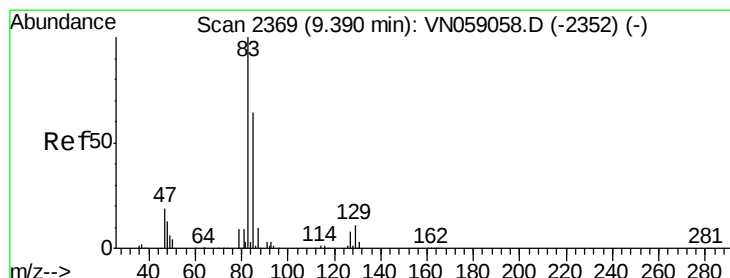
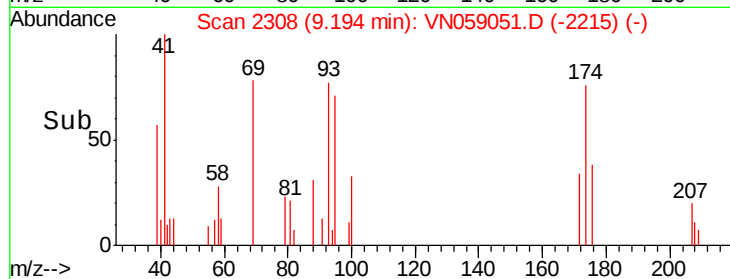
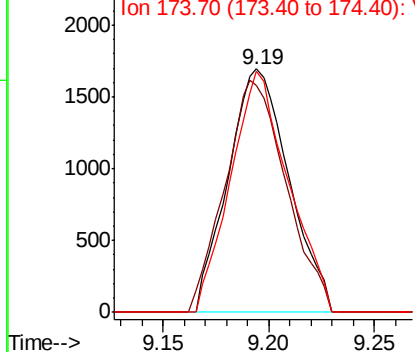
#46
Dibromomethane
Concen: 0.899 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 93 Resp: 3398
Ion Ratio Lower Upper
93 100
95 95.8 67.2 100.8
174 94.2 78.3 117.5

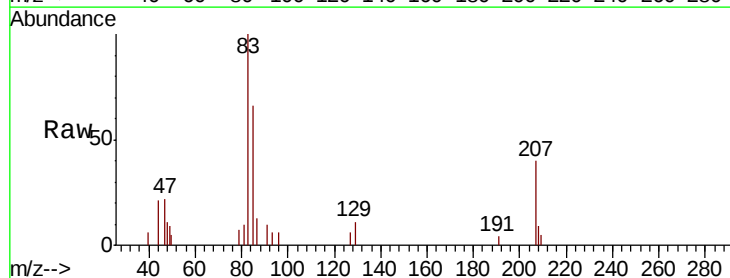


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

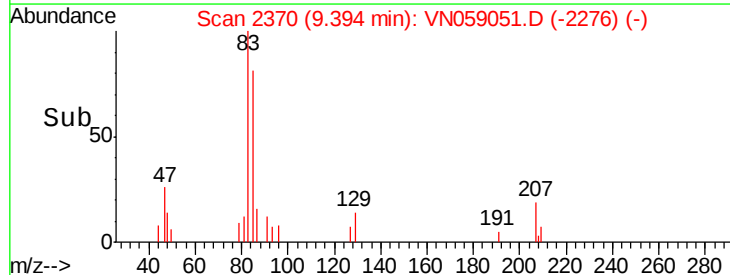
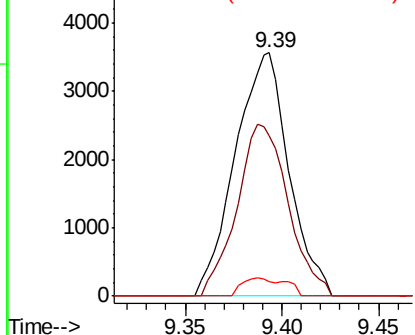


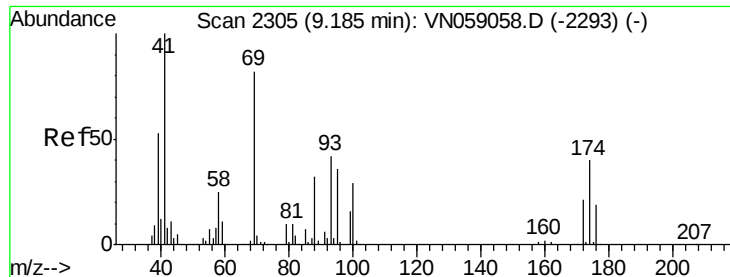
#47
Bromodichloromethane
Concen: 0.884 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 83 Resp: 6874
Ion Ratio Lower Upper
83 100
85 66.1 51.2 76.8
127 5.7 6.5 9.7#



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

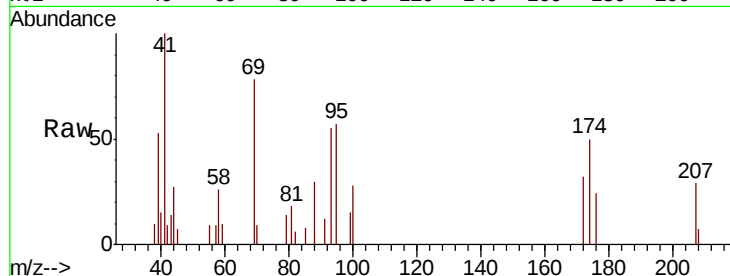




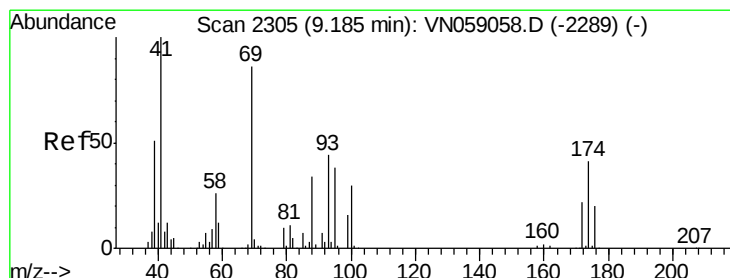
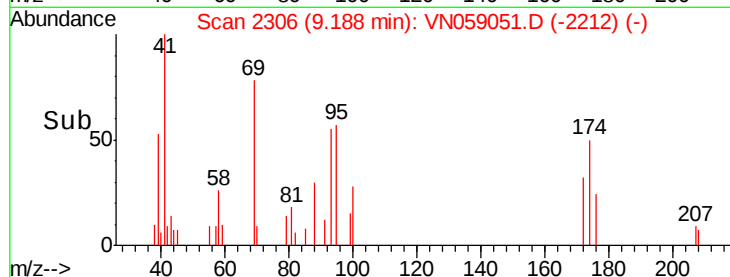
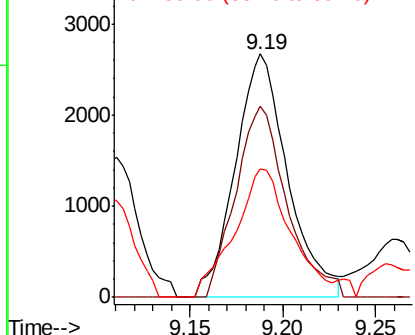
#48
Methvl methacrylate
Concen: 0.896 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 5262
Ion Ratio Lower Upper
41 100
69 76.9 67.1 100.7
39 56.7 43.3 64.9

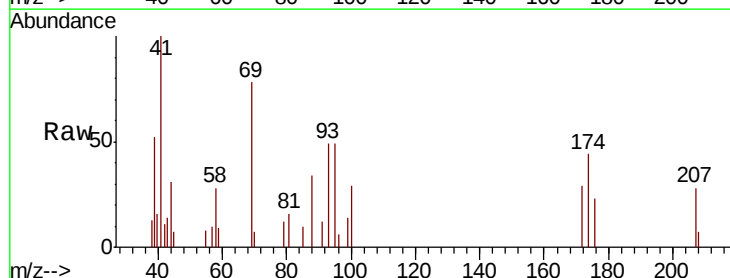


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

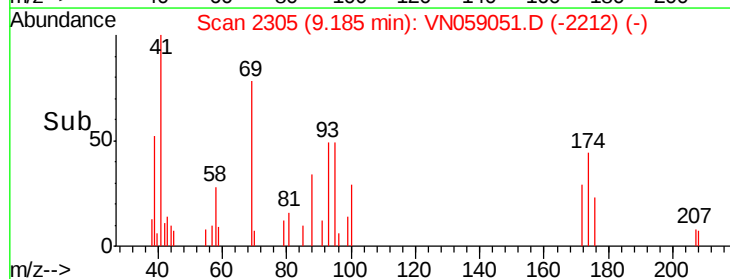
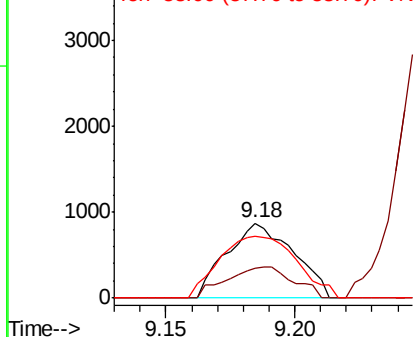


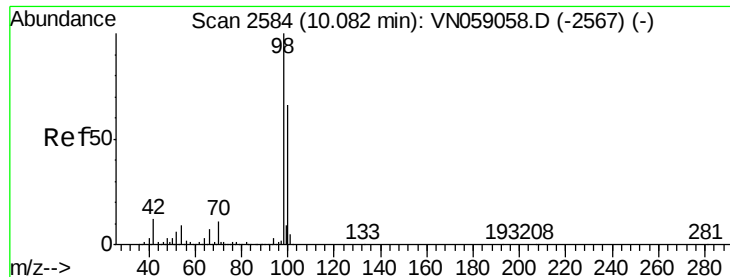
#49
1,4-Dioxane
Concen: 15.868 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 88 Resp: 1568
Ion Ratio Lower Upper
88 100
43 41.4 26.2 39.2#
58 96.2 59.1 88.7#



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: 0.896 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

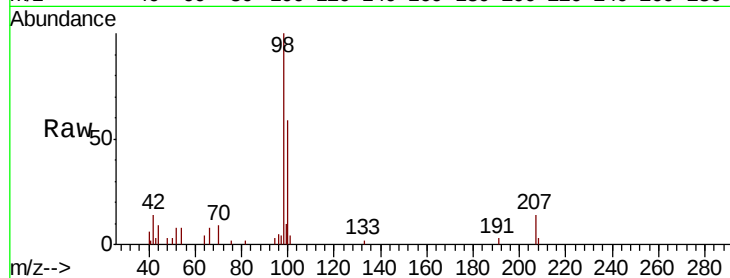
ClientSampleId :

Tot Ion: 98 Resp: 16895

Ion Ratio Lower Upper

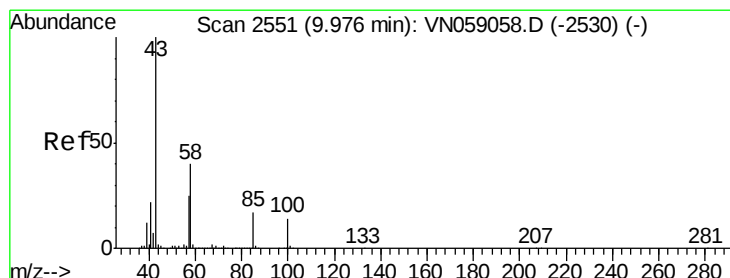
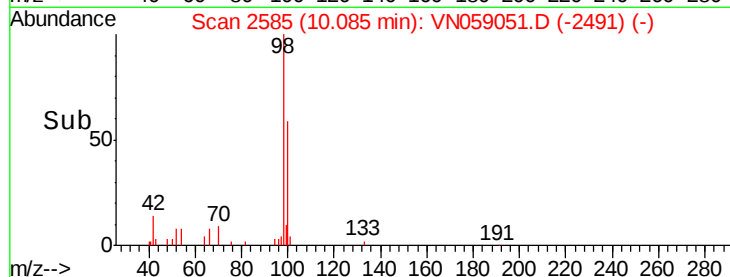
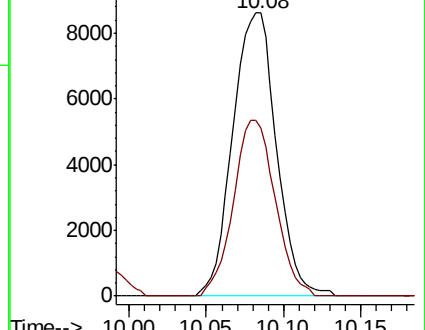
98 100

100 59.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN059058.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059051.D (-2491) (-)



#51

4-Methyl-2-Pentanone

Concen: 4.279 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059051.D

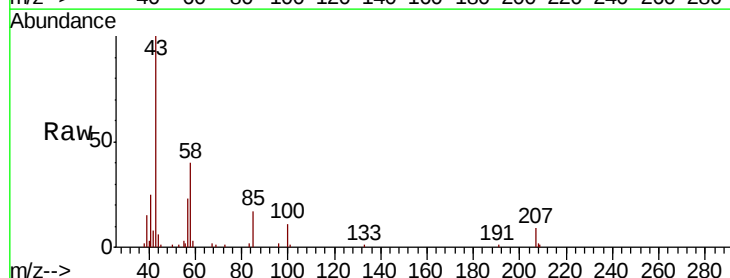
Acq: 1 Nov 2019 10:25

Tgt Ion: 43 Resp: 32419

Ion Ratio Lower Upper

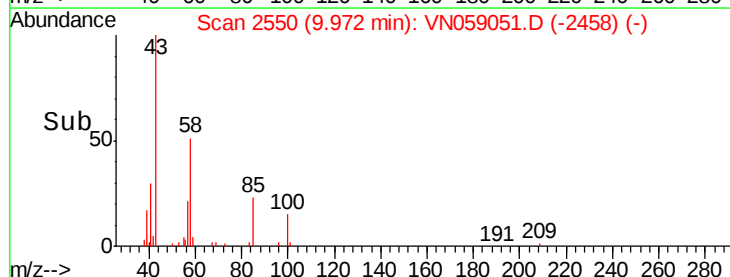
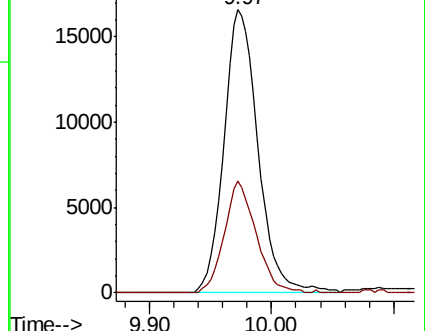
43 100

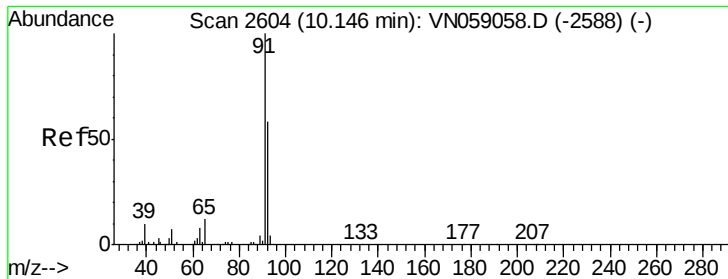
58 36.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN059051.D (-2458) (-)





#52

Toluene

Concen: 0.847 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

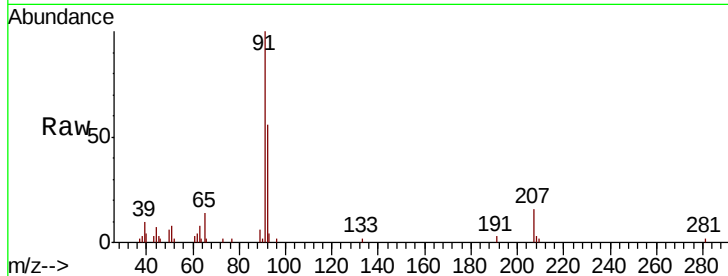
ClientSampled :

Tot Ion: 92 Resp: 10977

Ion Ratio Lower Upper

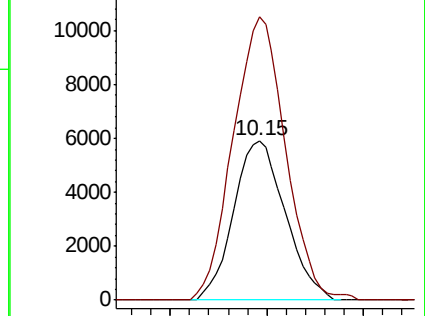
92 100

91 180.4 138.7 208.1

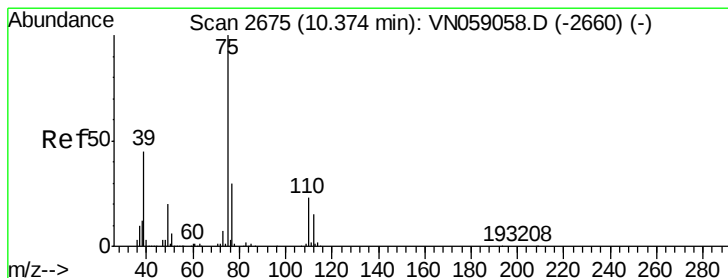
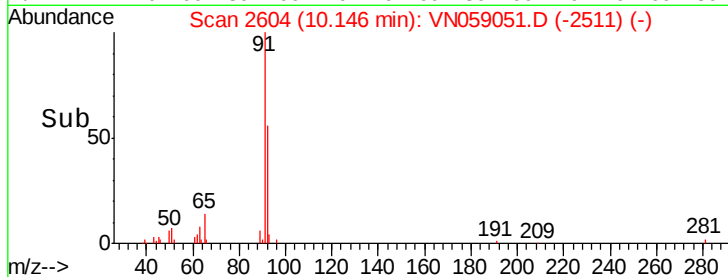


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.959 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059051.D

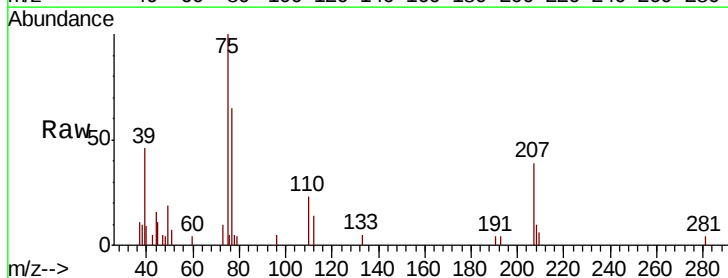
Acq: 1 Nov 2019 10:25

Tgt Ion: 75 Resp: 8277

Ion Ratio Lower Upper

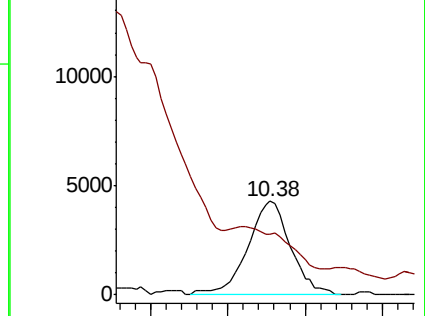
75 100

77 35.4 25.6 38.4

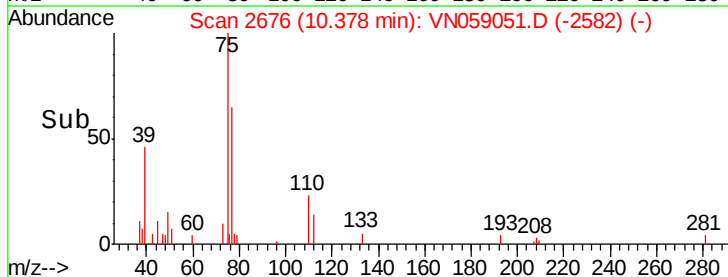


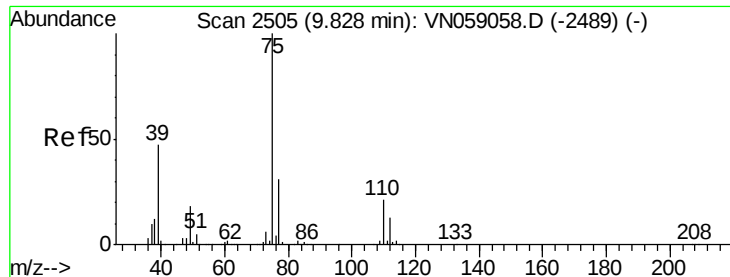
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



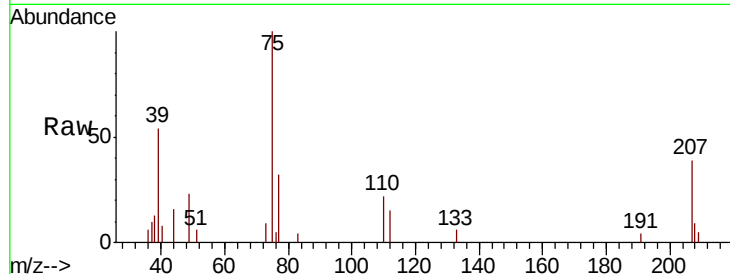


#54

cis-1,3-Dichloropropene
 Concen: 0.841 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	37.0
39	50.4	37.4	56.2

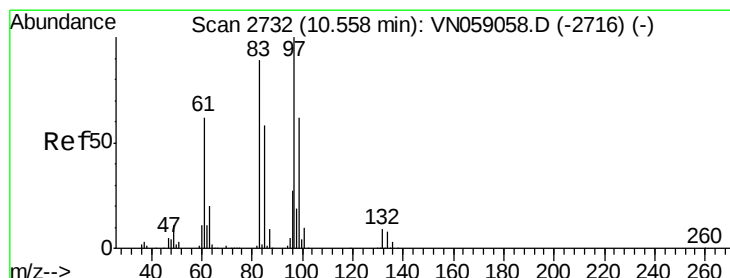
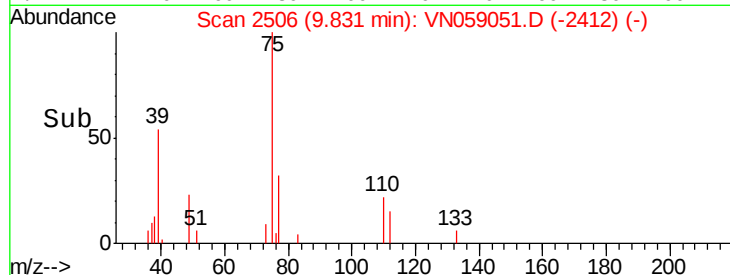
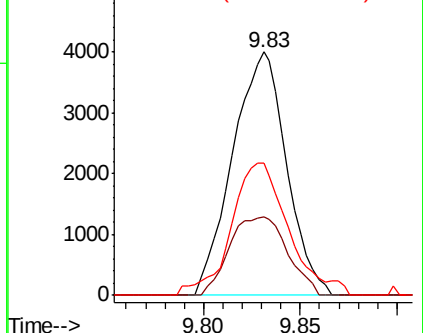


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

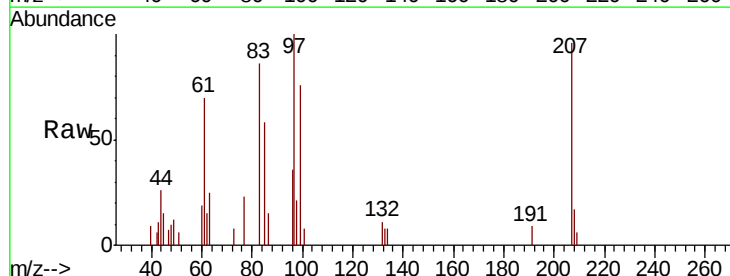
Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane
 Concen: 0.937 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.4	107.2
85	57.6	46.6	70.0
99	76.1	49.7	74.5



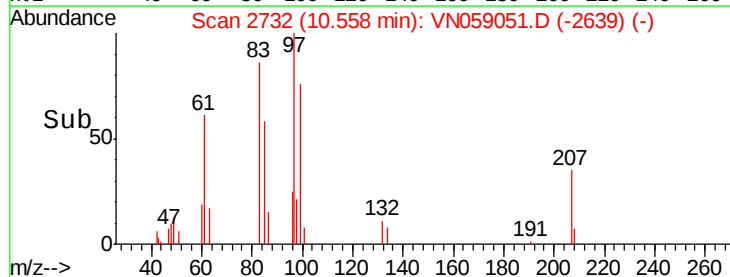
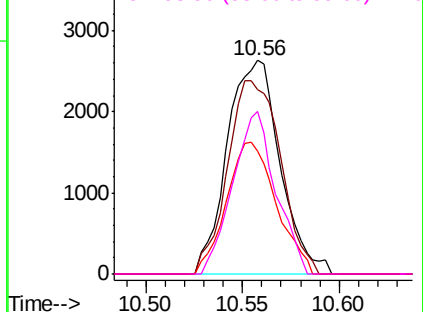
Abundance

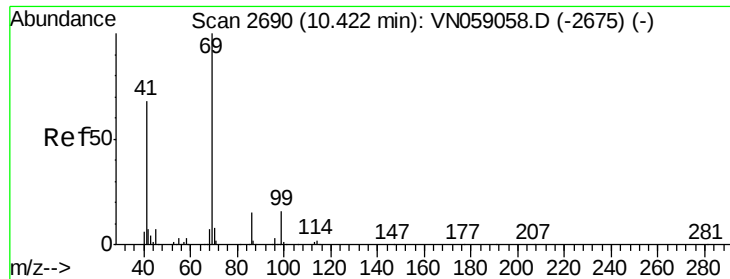
Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 0.746 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

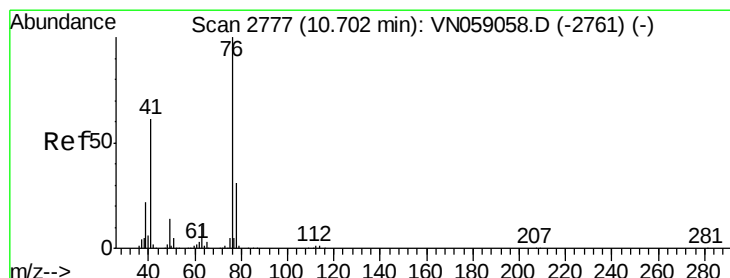
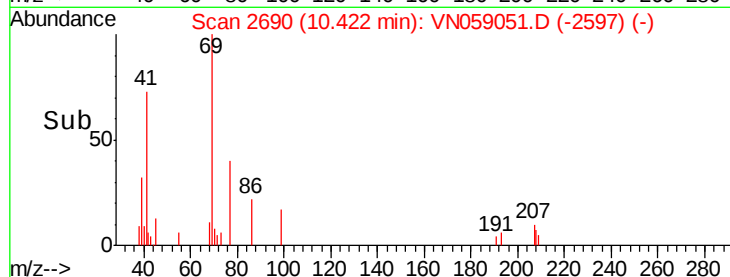
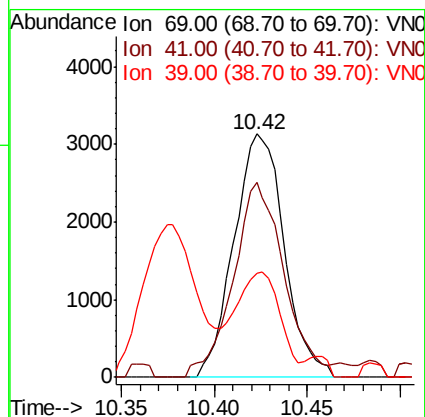
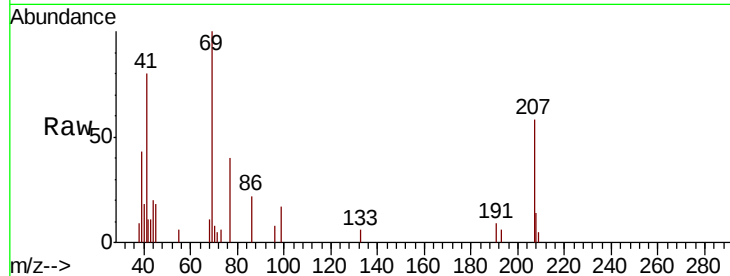
Tot Ion: 69 Resp: 5888

Ion Ratio Lower Upper

69 100

41 80.9 53.8 80.8#

39 38.6 26.2 39.2



#57

1,3-Dichloropropane

Concen: 0.895 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059051.D

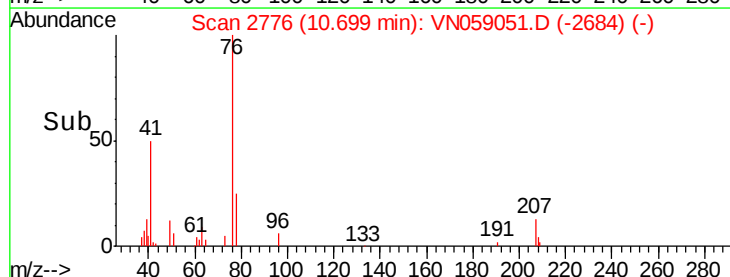
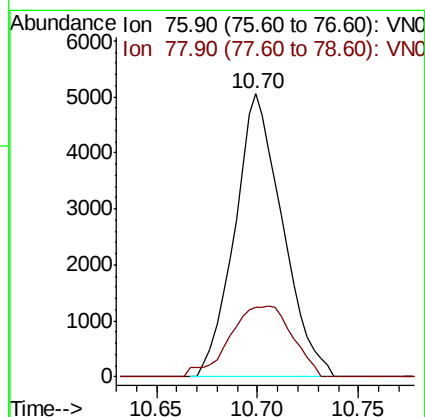
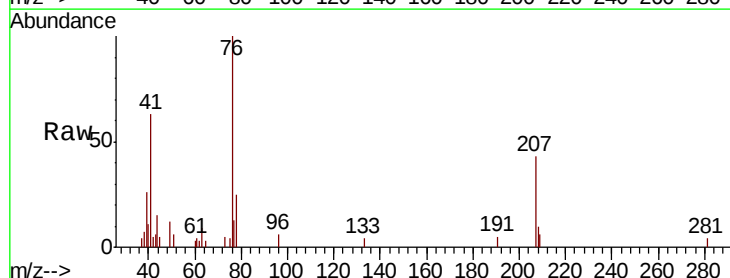
Acq: 1 Nov 2019 10:25

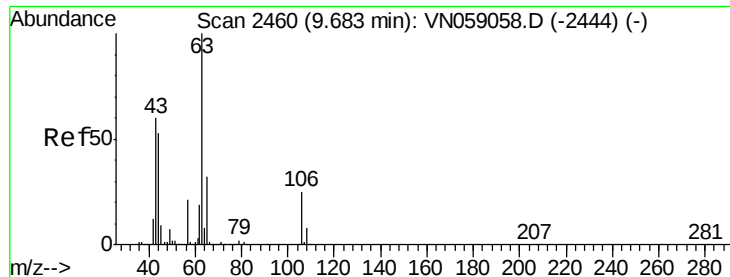
Tgt Ion: 76 Resp: 8371

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6

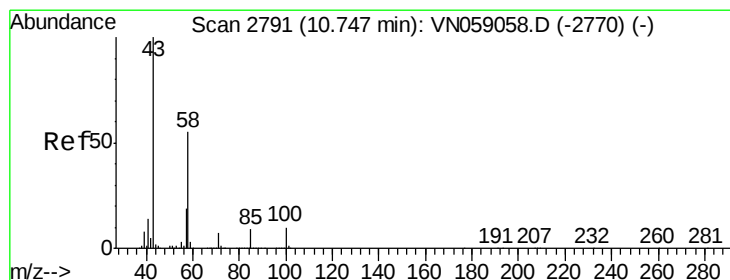
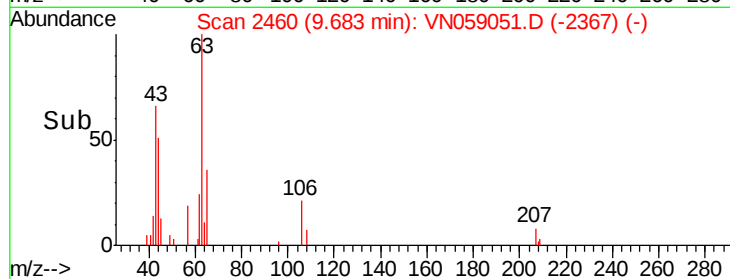
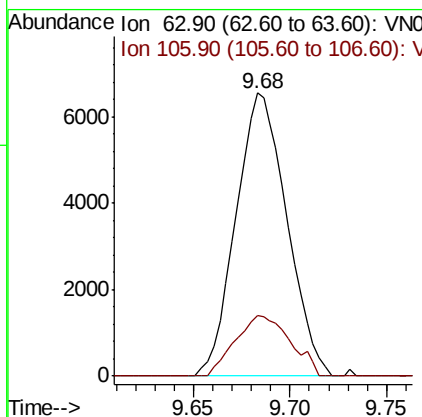
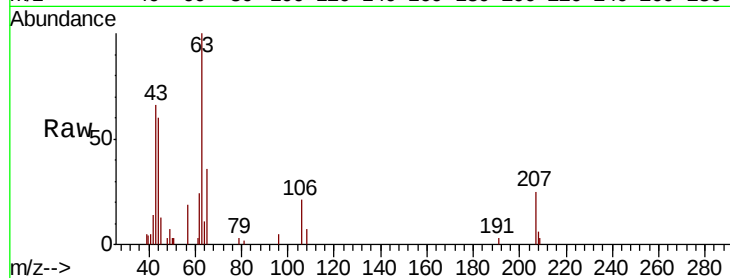




#58
2-Chloroethyl Vinyl ether
Concen: 3.604 ug/l
RT: 9.68 min Scan# 2460
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

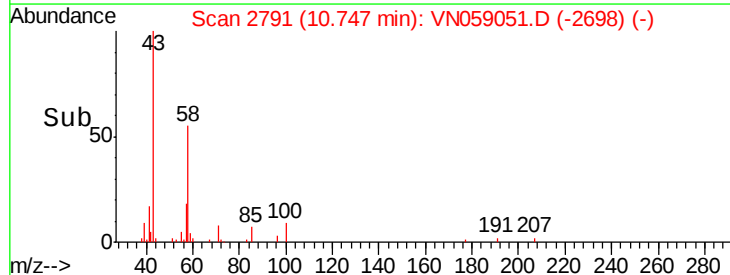
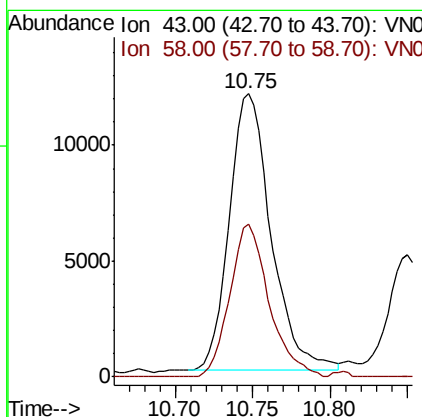
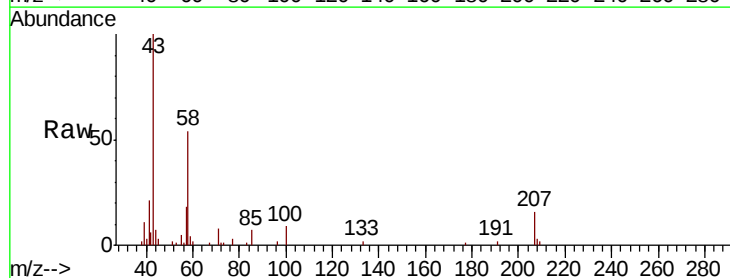
Instrument :
MSVOA_N
ClientSampleId :

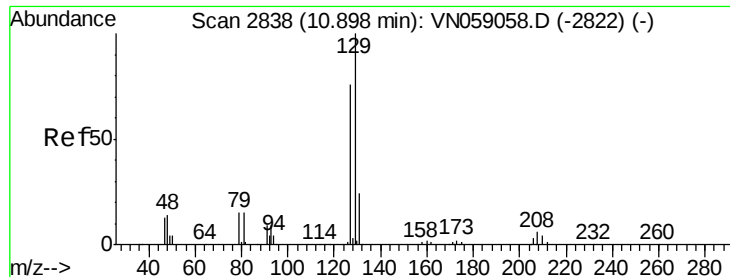
Tot Ion: 63 Resp: 11969
Ion Ratio Lower Upper
63 100
106 23.1 19.8 29.6



#59
2-Hexanone
Concen: 3.835 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 43 Resp: 22412
Ion Ratio Lower Upper
43 100
58 51.7 27.4 82.2





#60

Dibromochloromethane

Concen: 0.911 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

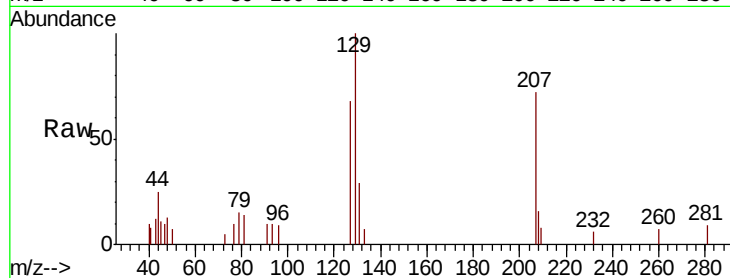
ClientSampleId :

Tot Ion:129 Resp: 5239

Ion Ratio Lower Upper

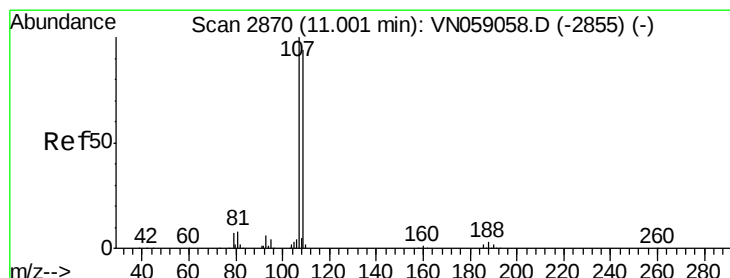
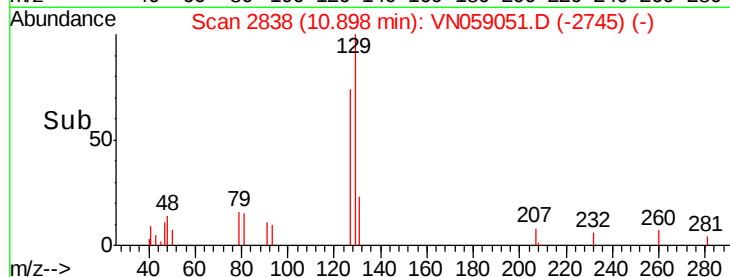
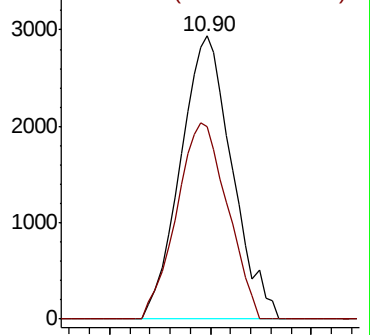
129 100

127 68.6 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.859 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059051.D

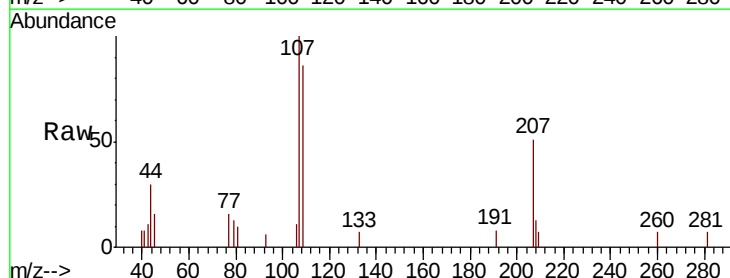
Acq: 1 Nov 2019 10:25

Tgt Ion:107 Resp: 4691

Ion Ratio Lower Upper

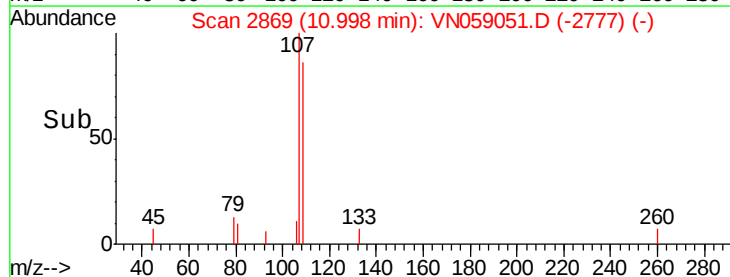
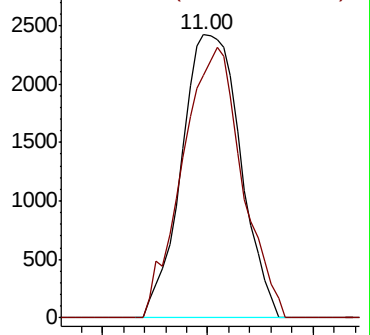
107 100

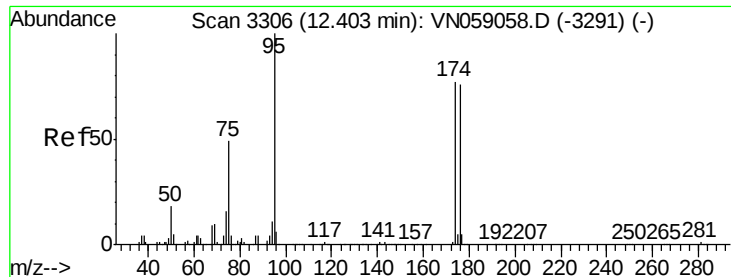
109 96.5 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

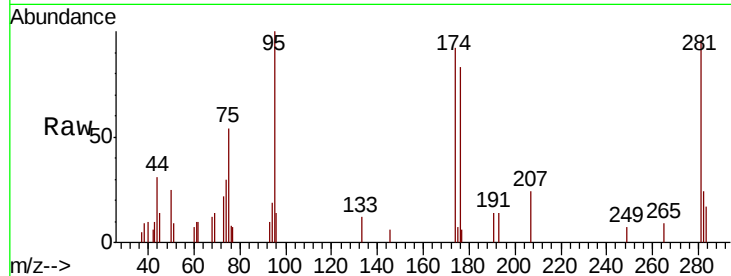




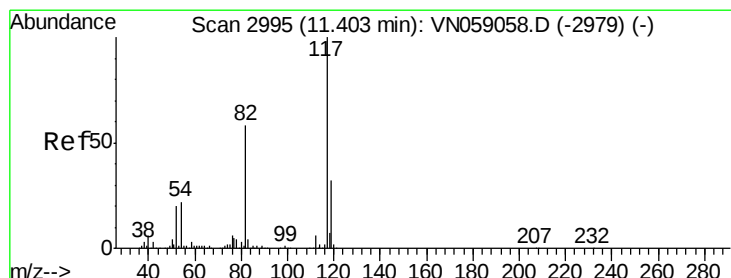
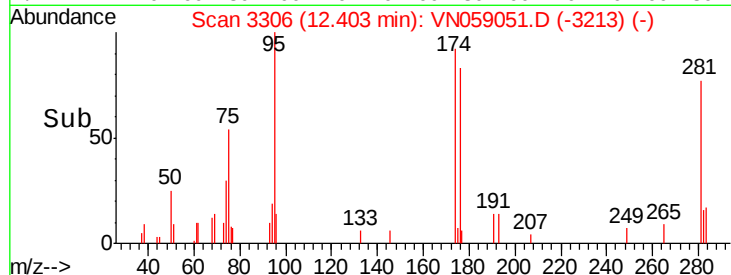
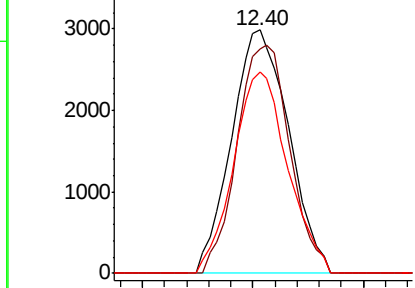
#62
4-Bromofluorobenzene
Concen: 0.774 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 5348
Ion Ratio Lower Upper
95 100
174 86.6 0.0 155.8
176 78.5 0.0 151.6

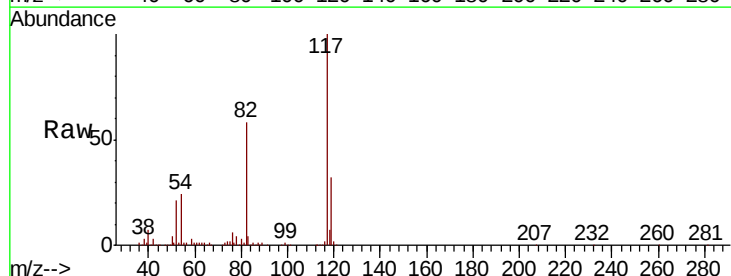


Abundance Ion 94.90 (94.60 to 95.60): VN059058.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN059058.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN059058.D (-3291) (-)

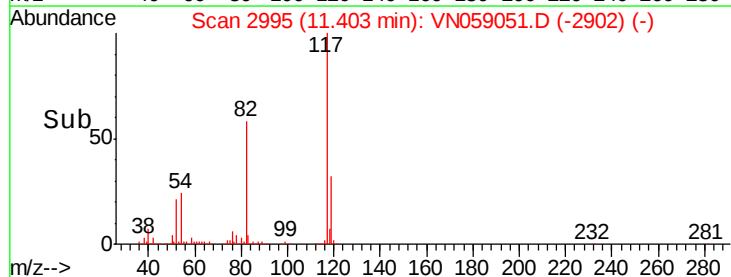
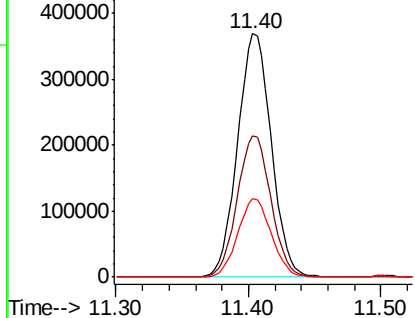


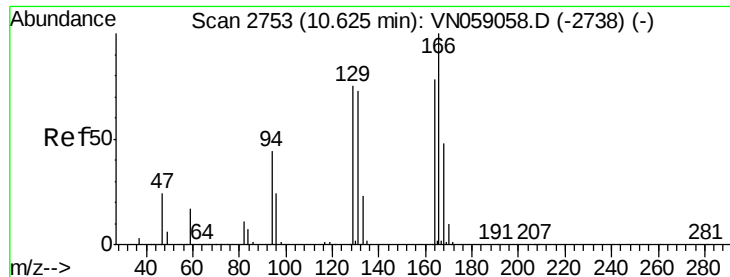
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 117 Resp: 652094
Ion Ratio Lower Upper
117 100
82 58.1 46.0 69.0
119 32.0 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN059058.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN059058.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN059058.D (-2979) (-)

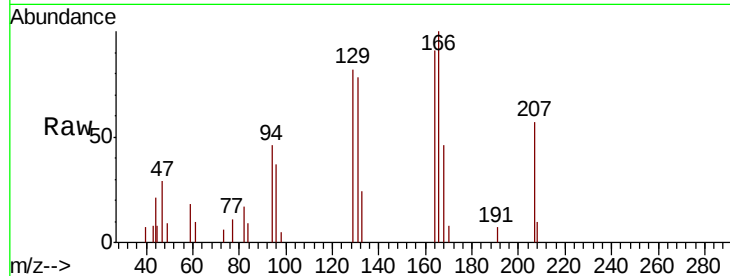




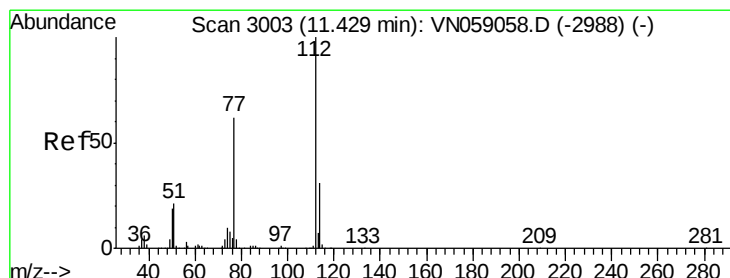
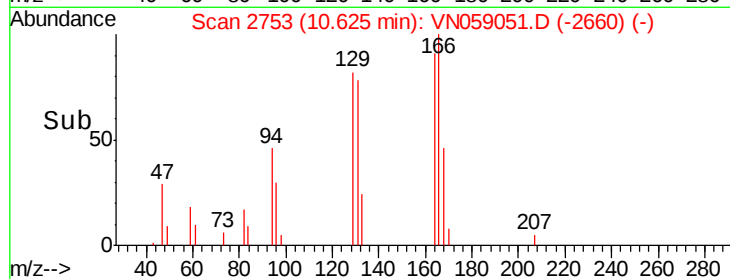
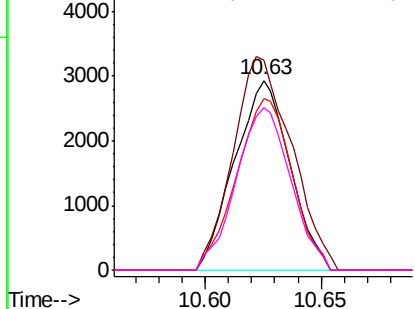
#64
Tetrachloroethene
Concen: 1.074 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:164 Resp: 4852
Ion Ratio Lower Upper
164 100
166 110.3 102.7 154.1
129 90.6 77.3 115.9
131 85.6 74.8 112.2

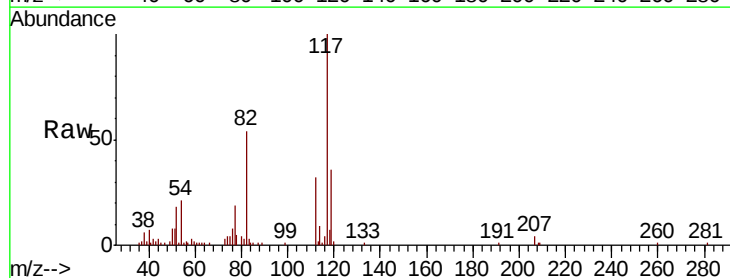


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

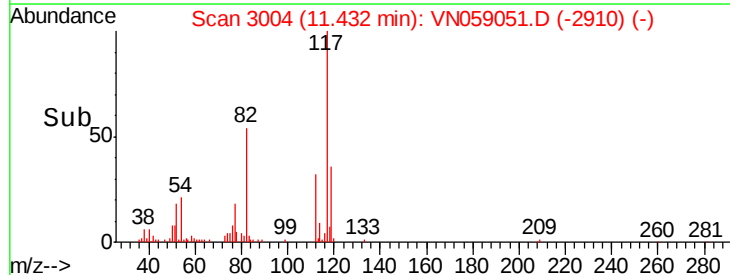
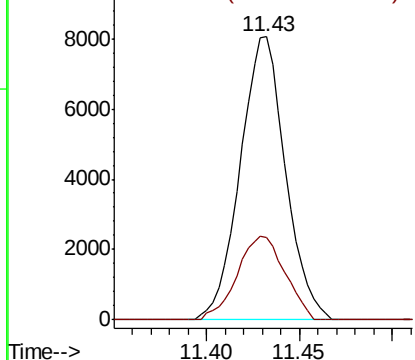


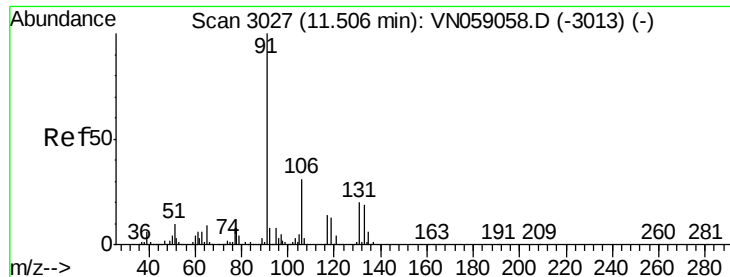
#65
Chlorobenzene
Concen: 1.040 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion:112 Resp: 13667
Ion Ratio Lower Upper
112 100
114 29.3 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.975 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

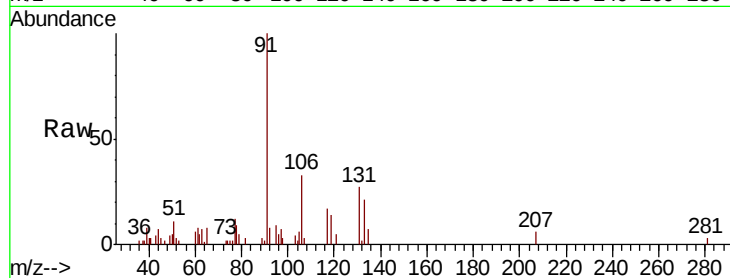
Tot Ion:131 Resp: 4830

Ion Ratio Lower Upper

131 100

133 100.7 47.9 143.6

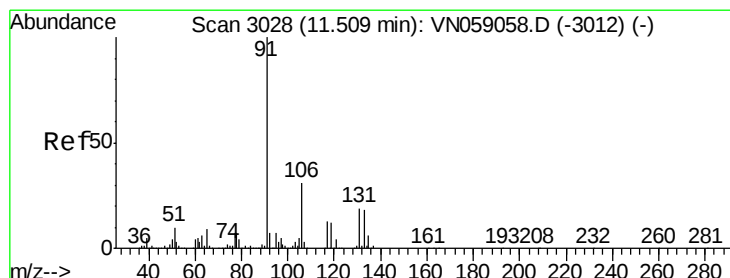
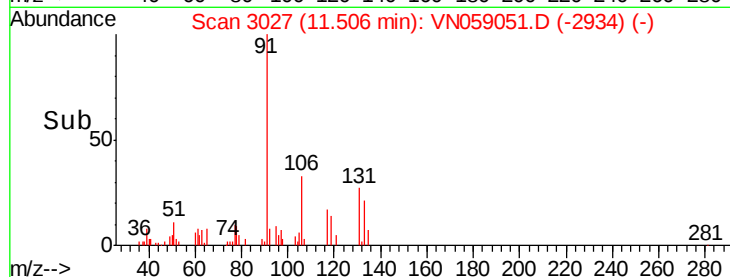
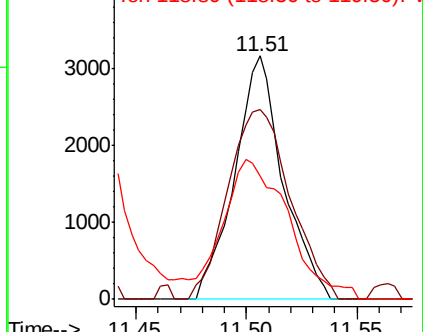
119 0.0 33.5 100.5#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.910 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059051.D

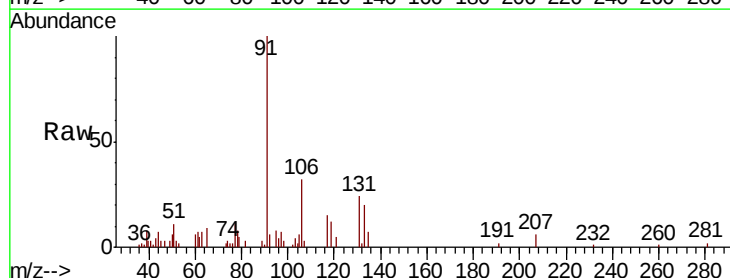
Acq: 1 Nov 2019 10:25

Tgt Ion: 91 Resp: 20936

Ion Ratio Lower Upper

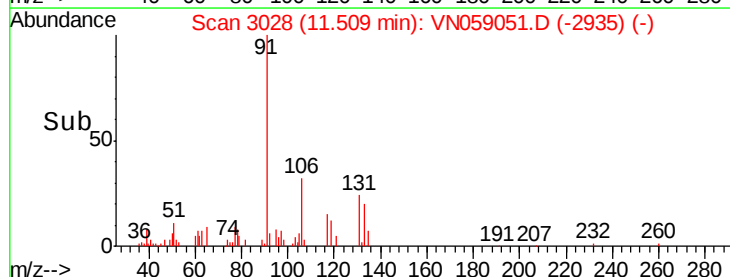
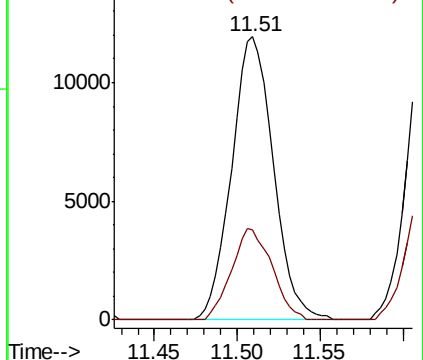
91 100

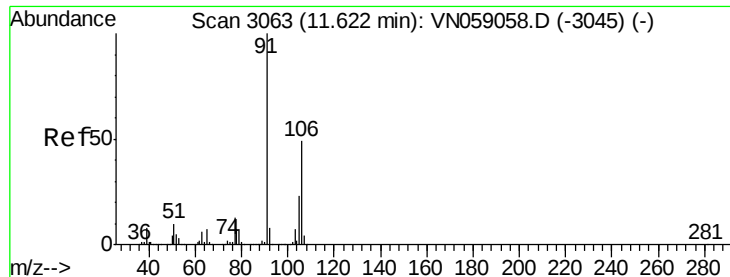
106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.735 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

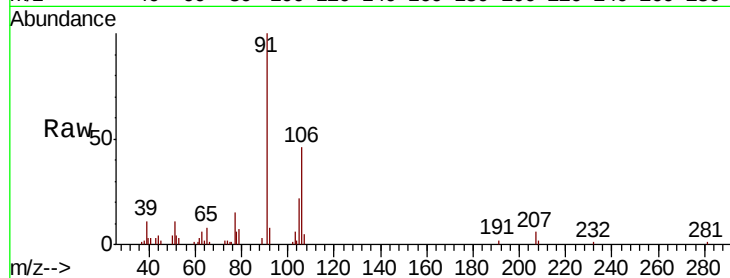
ClientSampleId :

Tot Ion:106 Resp: 14780

Ion Ratio Lower Upper

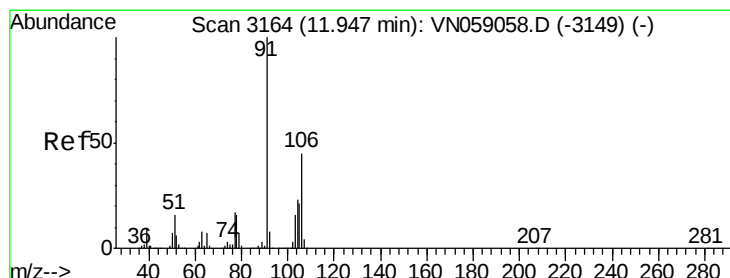
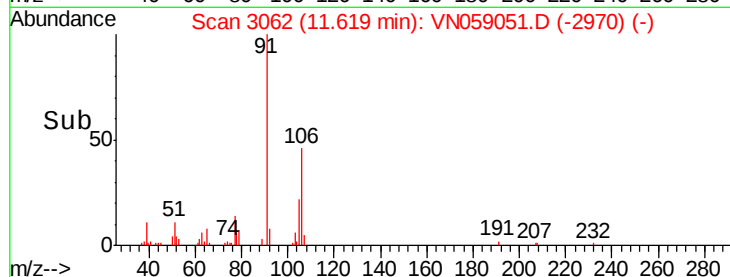
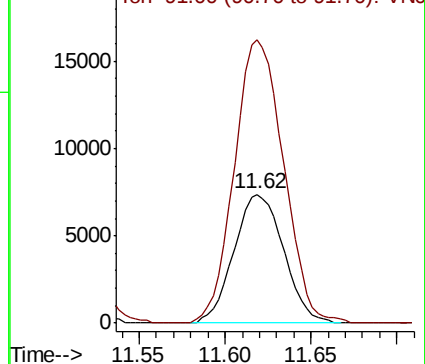
106 100

91 218.4 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.859 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059051.D

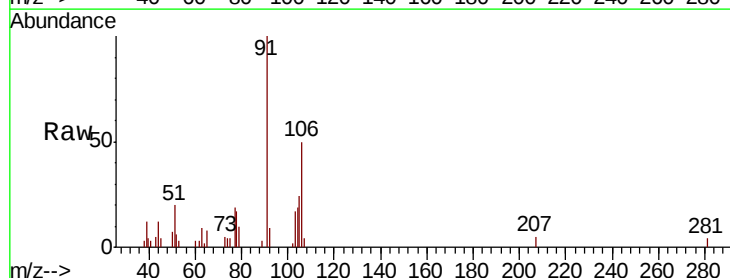
Acq: 1 Nov 2019 10:25

Tgt Ion:106 Resp: 6997

Ion Ratio Lower Upper

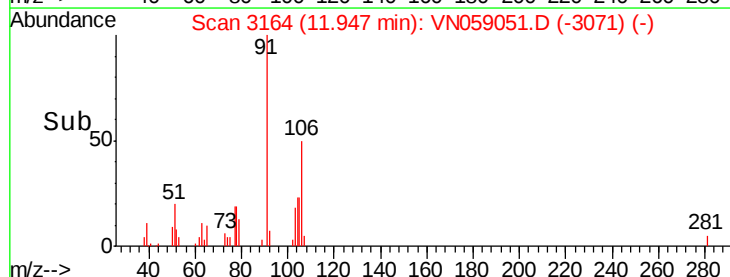
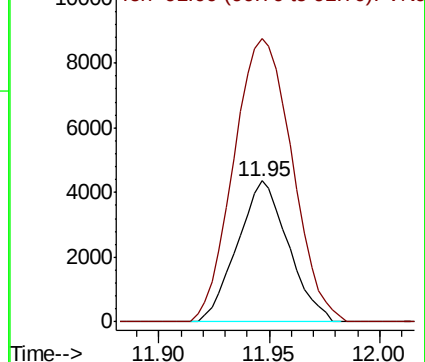
106 100

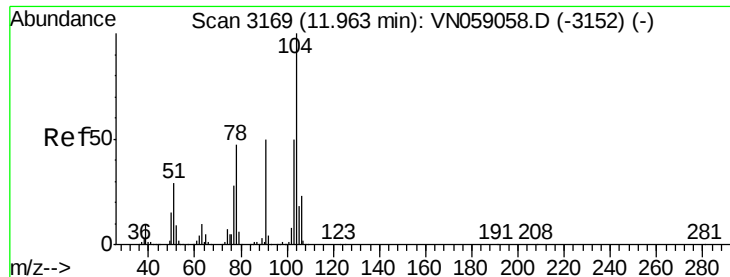
91 230.4 110.4 331.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

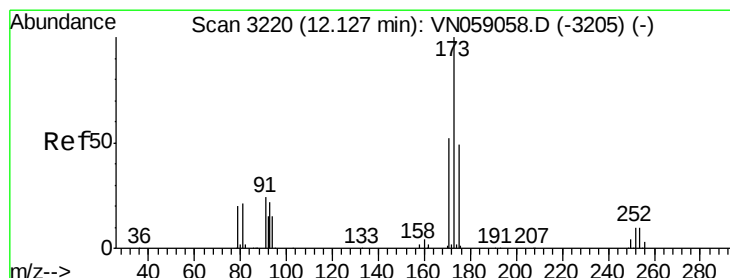
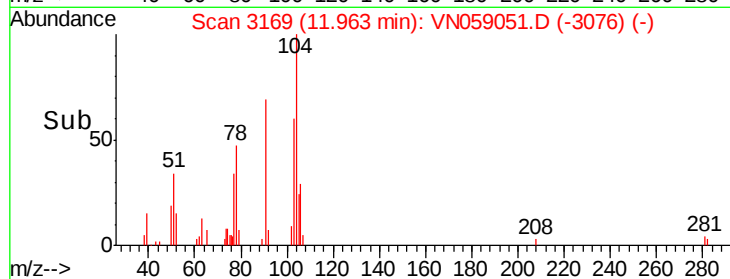
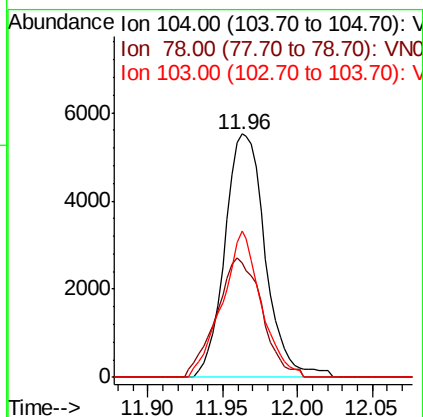
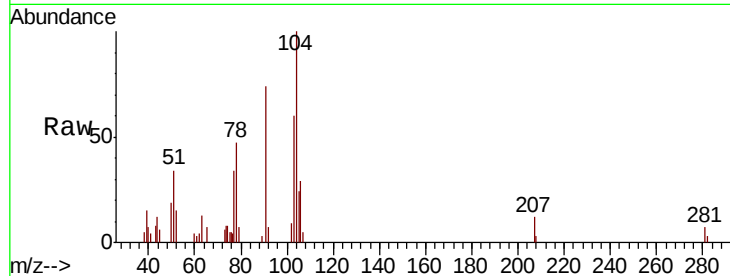




#70
Stvrene
Concen: 0.781 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

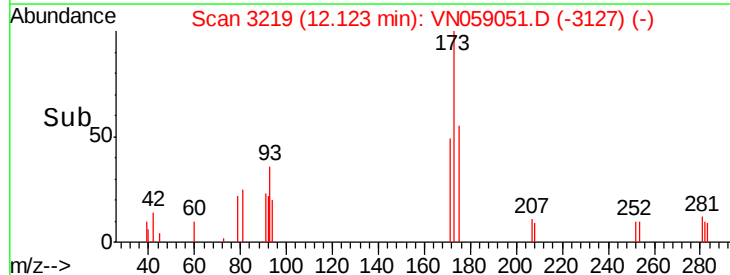
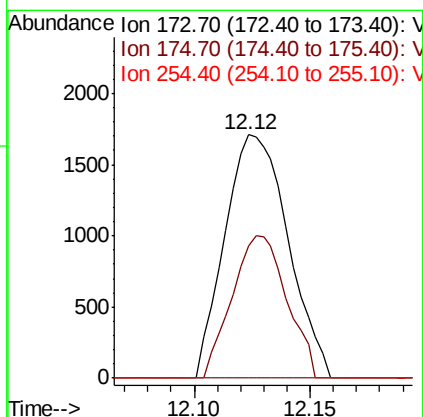
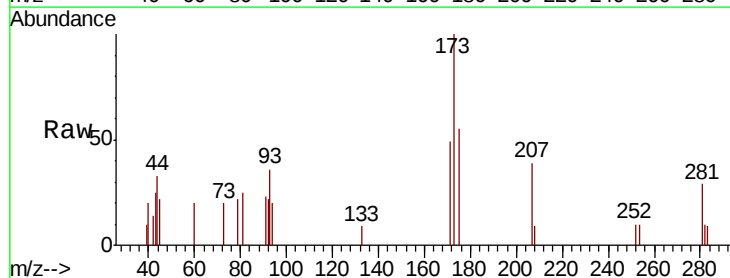
Instrument :
MSVOA_N
ClientSampled :

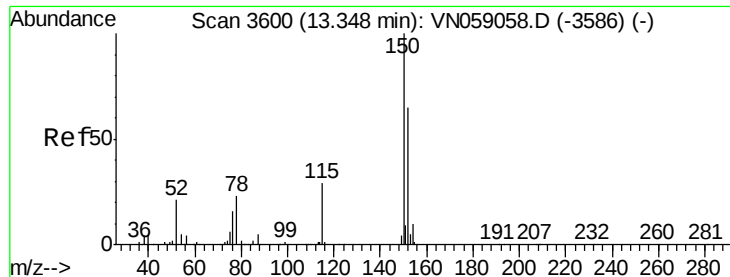
Tot Ion:104 Resp: 10381
Ion Ratio Lower Upper
104 100
78 55.0 41.2 61.8
103 57.7 43.9 65.9



#71
Bromoform
Concen: 0.837 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion:173 Resp: 3230
Ion Ratio Lower Upper
173 100
175 50.6 24.4 73.2
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

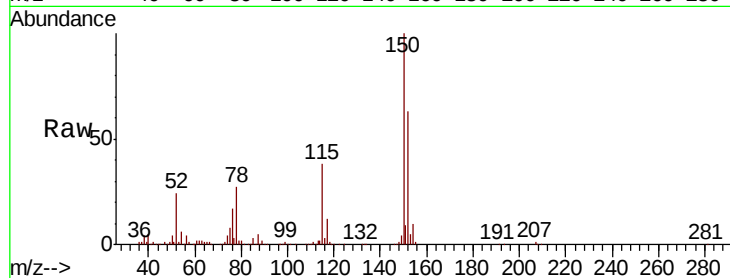
Tot Ion:152 Resp: 251905

Ion Ratio Lower Upper

152 100

115 60.2 29.6 88.9

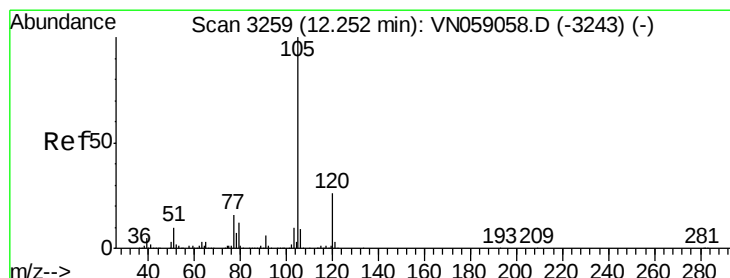
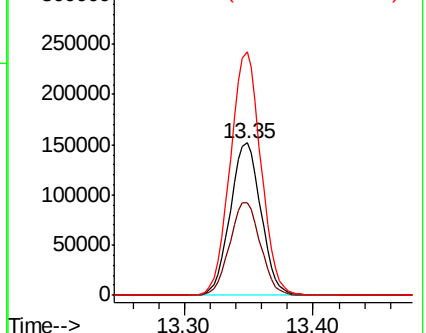
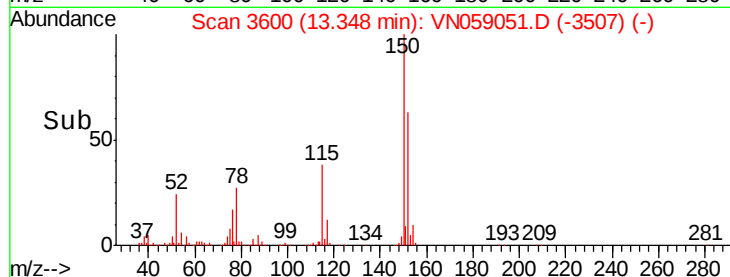
150 158.5 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.007 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059051.D

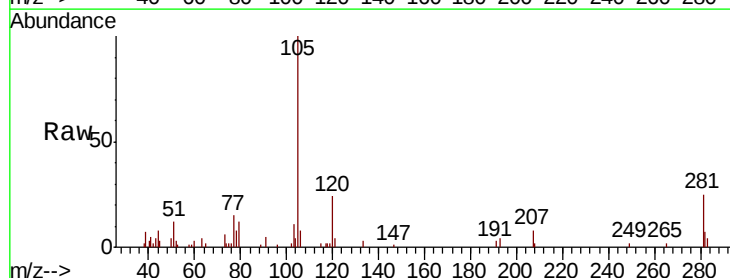
Acq: 1 Nov 2019 10:25

Tgt Ion:105 Resp: 18373

Ion Ratio Lower Upper

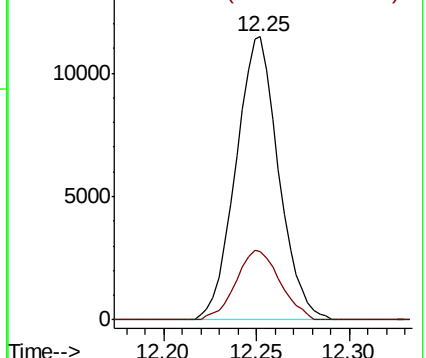
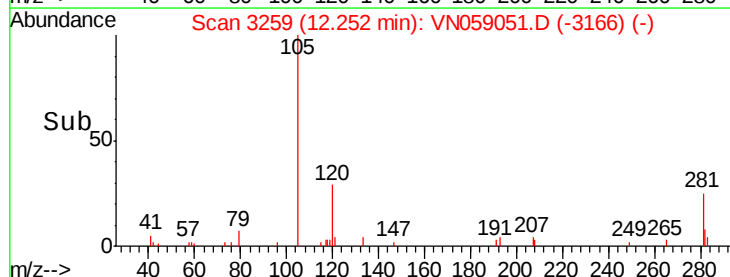
105 100

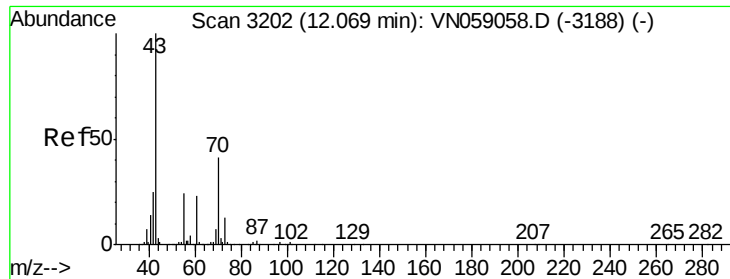
120 25.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.852 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 7008

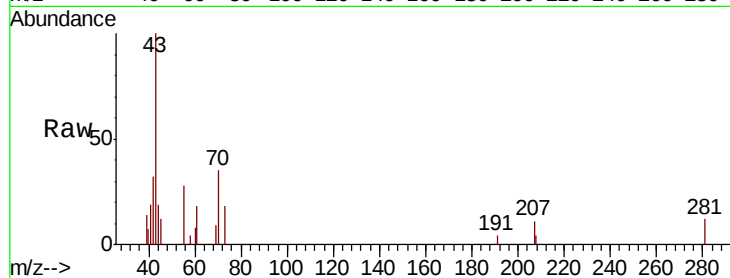
Ion Ratio Lower Upper

43 100

70 42.4 32.6 49.0

55 25.7 19.7 29.5

61 21.5 19.0 28.6

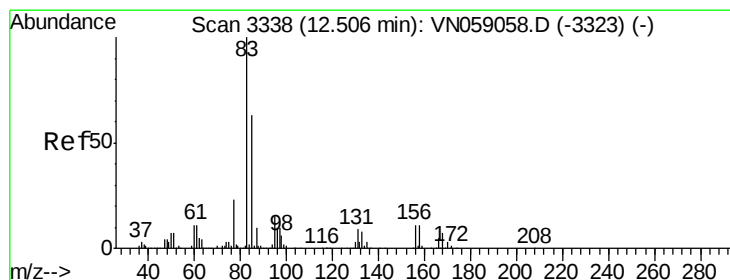
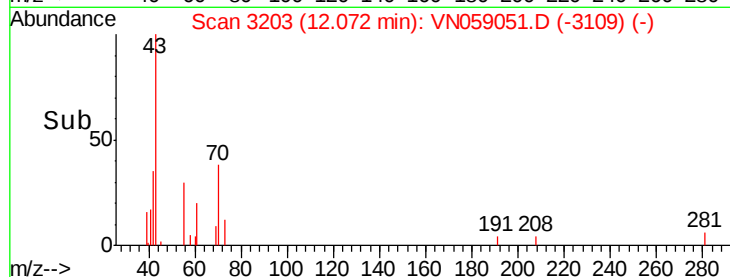
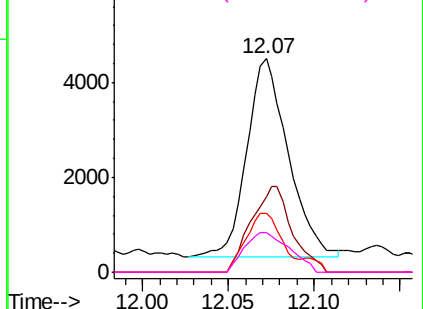


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: 1.121 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

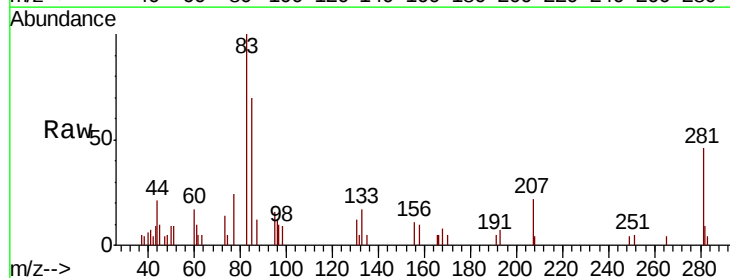
Tgt Ion: 83 Resp: 7190

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

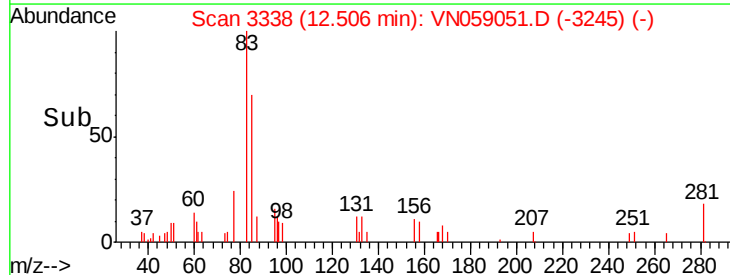
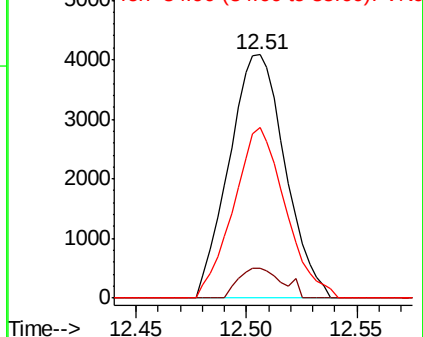
85 65.3 31.9 95.9

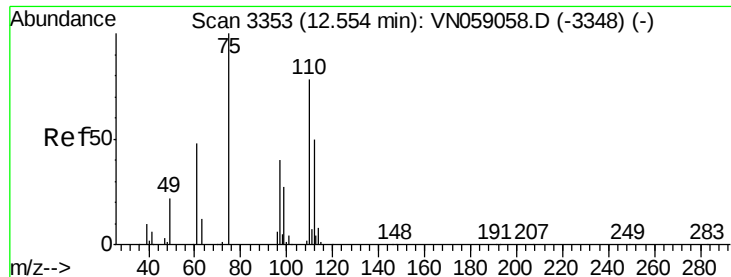


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 1.569 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

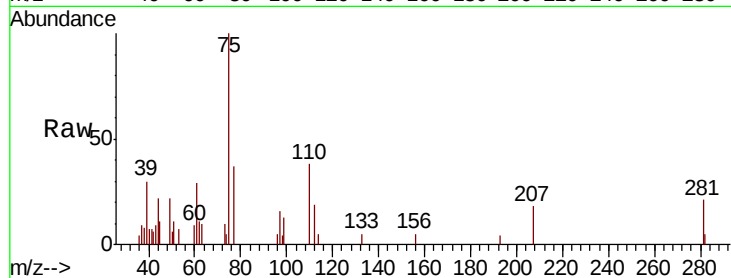
ClientSampled :

Tot Ion: 75 Resp: 9169

Ion Ratio Lower Upper

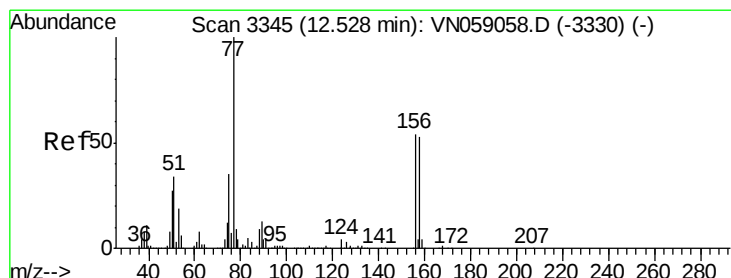
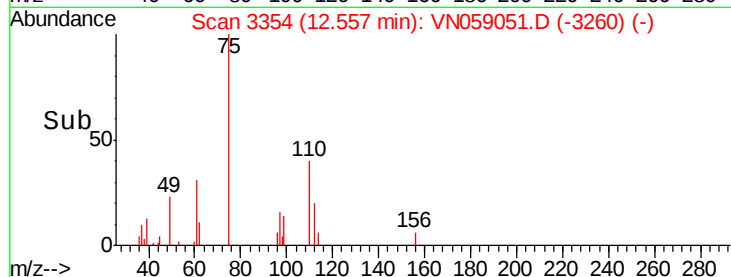
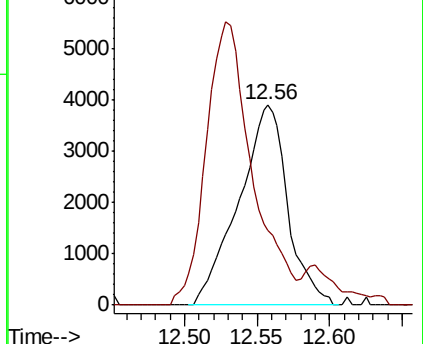
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059058.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059058.D (-3348) (-)



#77

Bromobenzene

Concen: 1.106 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

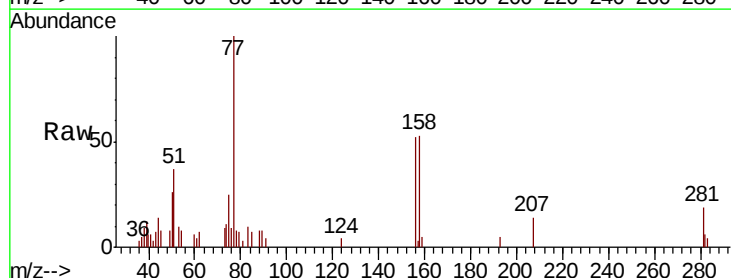
Tgt Ion: 156 Resp: 4983

Ion Ratio Lower Upper

156 100

77 245.2 114.2 342.6

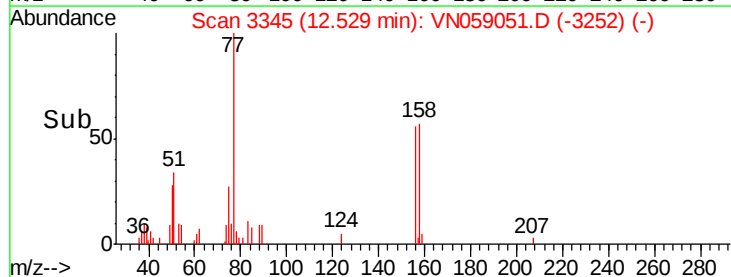
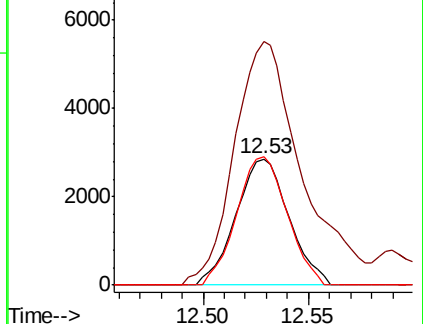
158 97.1 49.6 149.0

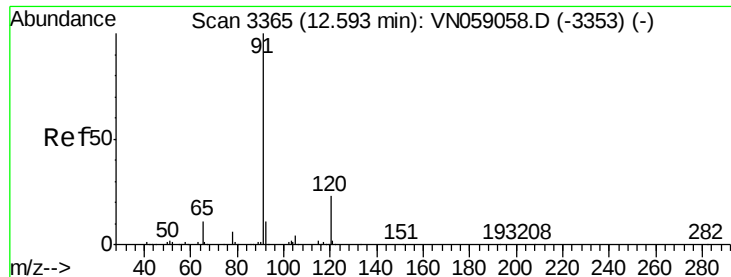


Abundance Ion 155.80 (155.50 to 156.50): VN059058.D (-3330) (-)

Ion 77.00 (76.70 to 77.70): VN059058.D (-3330) (-)

Ion 157.80 (157.50 to 158.50): VN059058.D (-3330) (-)

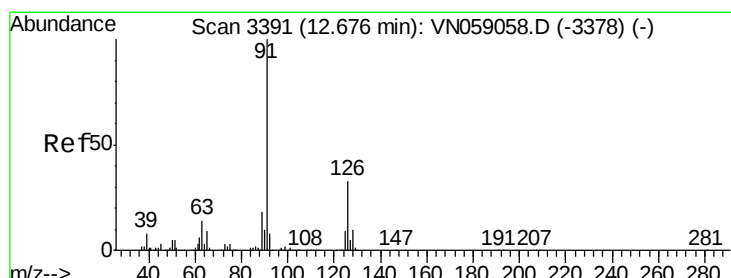
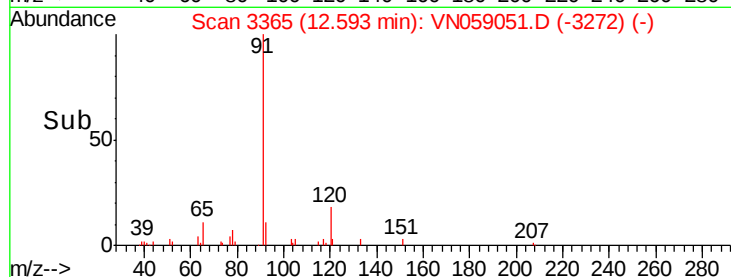
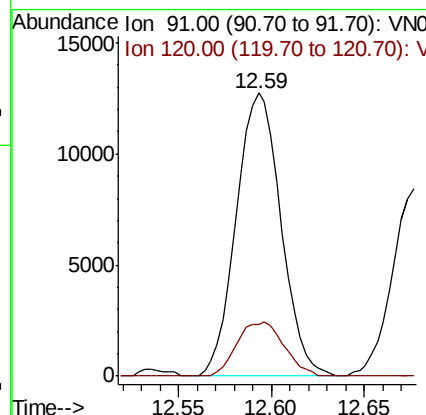
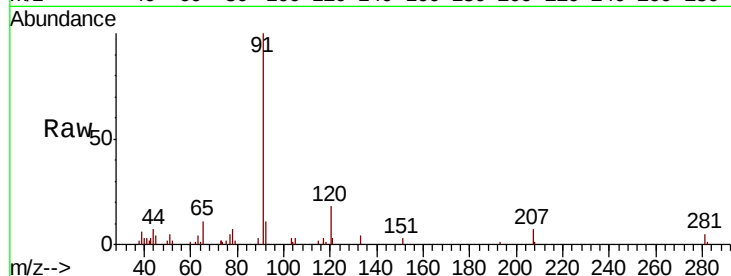




#78
n-propylbenzene
Concen: 0.989 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

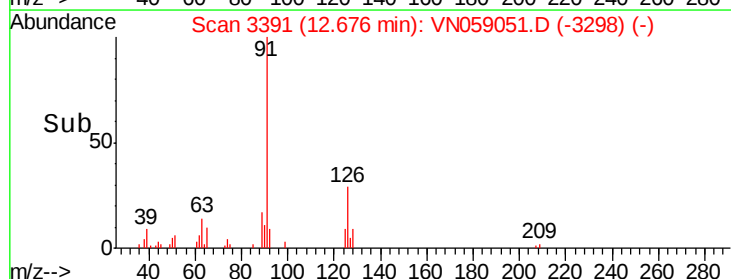
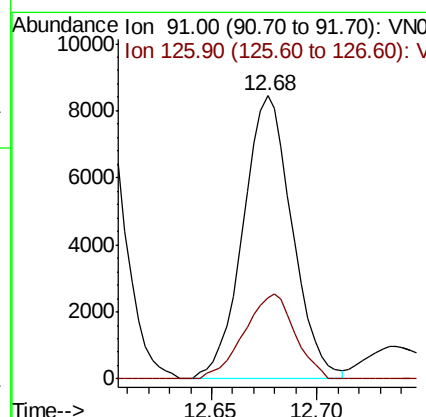
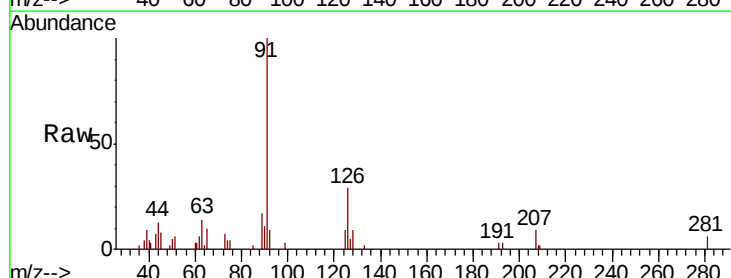
Instrument :
MSVOA_N
ClientSampled :

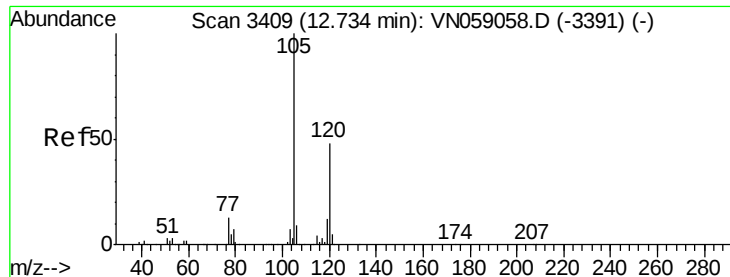
Tot Ion: 91 Resp: 21318
Ion Ratio Lower Upper
91 100
120 20.1 11.2 33.5



#79
2-Chlorotoluene
Concen: 1.035 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 91 Resp: 13672
Ion Ratio Lower Upper
91 100
126 30.9 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 0.995 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

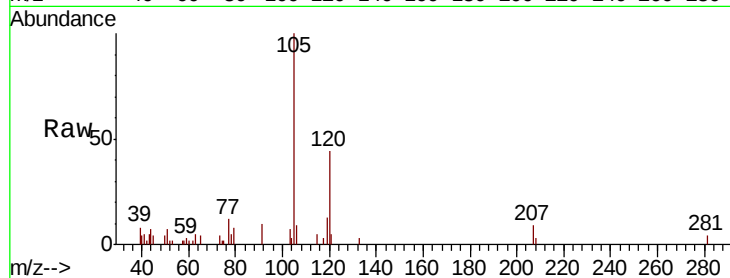
ClientSampleId :

Tot Ion:105 Resp: 15205

Ion Ratio Lower Upper

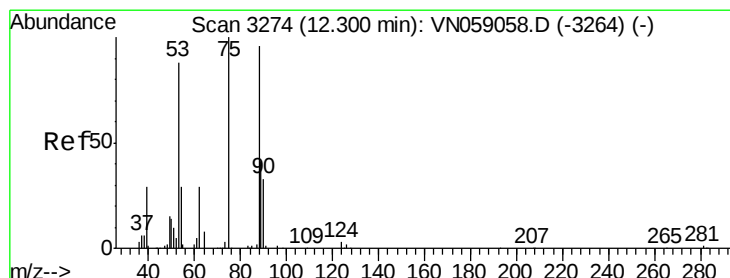
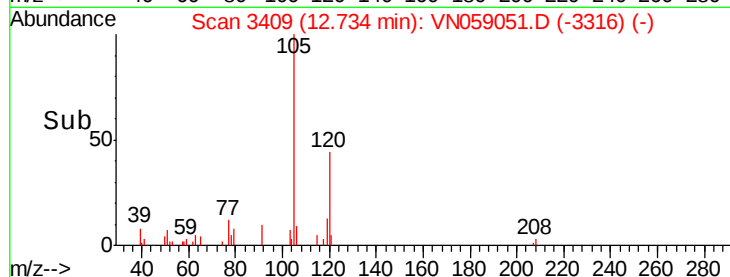
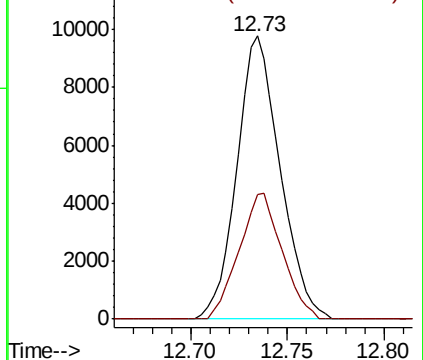
105 100

120 44.2 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 1.003 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

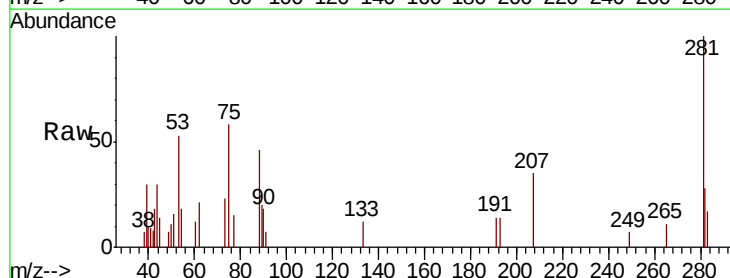
Tgt Ion: 75 Resp: 2246

Ion Ratio Lower Upper

75 100

53 94.6 70.4 105.6

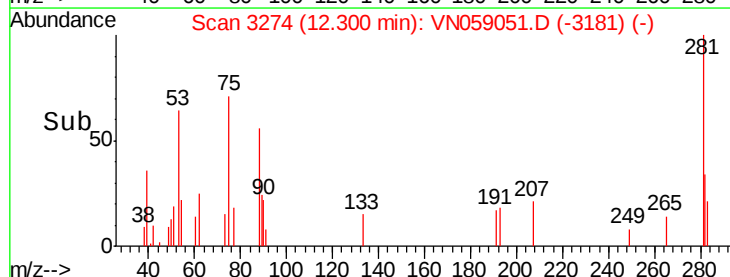
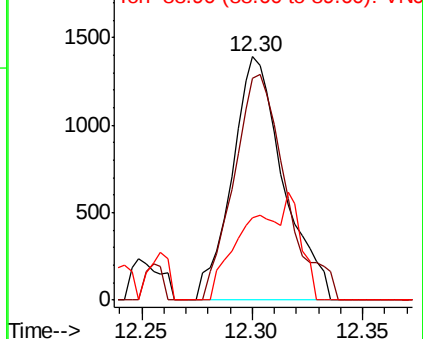
89 28.6 34.2 51.2#

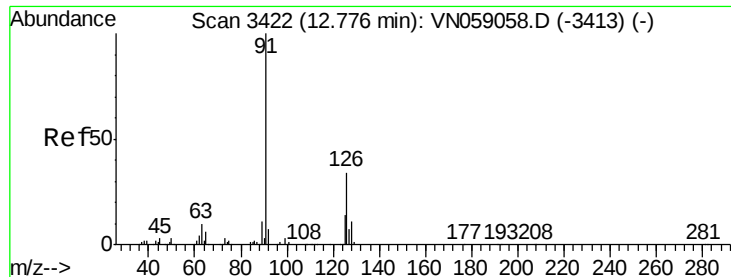


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

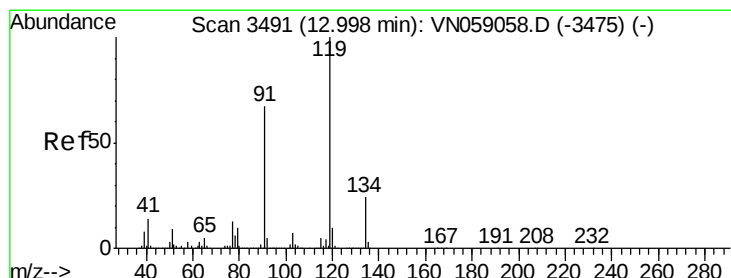
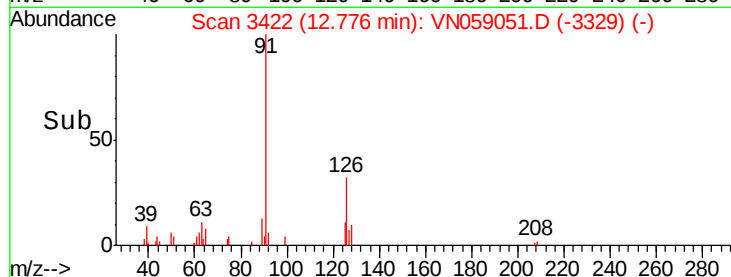
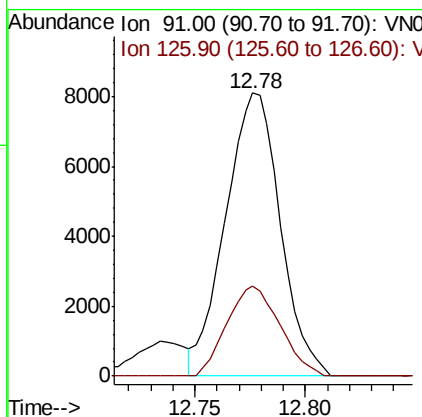
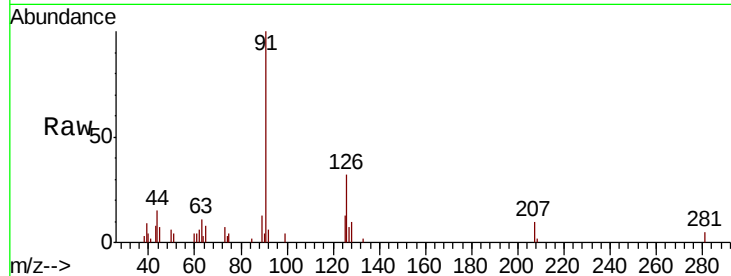




#82
4-Chlorotoluene
Concen: 1.038 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

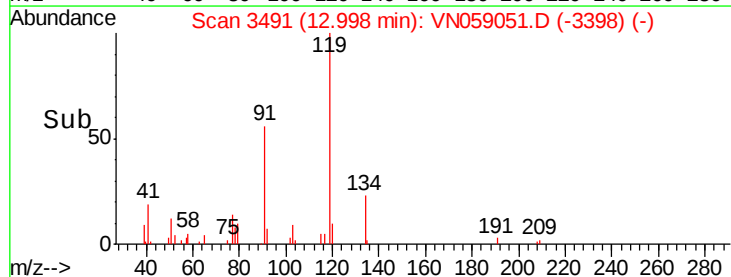
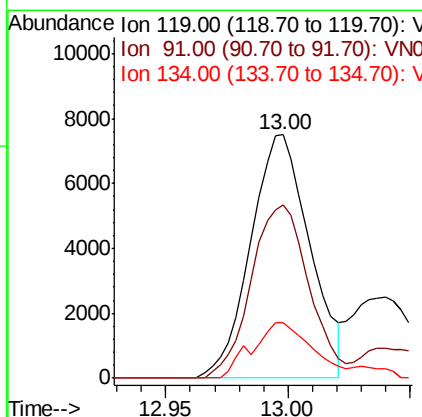
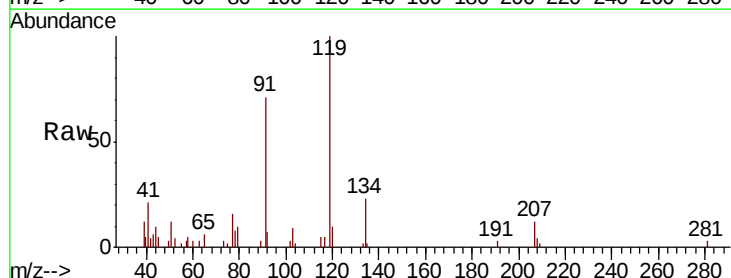
Instrument :
MSVOA_N
ClientSampleId :

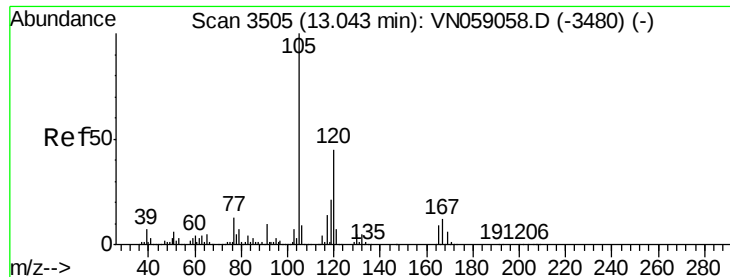
Tot Ion: 91 Resp: 13973
Ion Ratio Lower Upper
91 100
126 30.7 16.0 47.9



#83
tert-Butylbenzene
Concen: 0.964 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion: 119 Resp: 12617
Ion Ratio Lower Upper
119 100
91 69.4 33.7 101.0
134 23.0 12.9 38.7





#84

1,2,4-Trimethylbenzene

Concen: 0.859 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

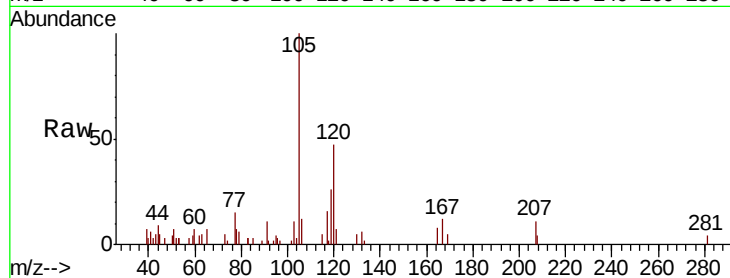
ClientSampleId :

Tot Ion:105 Resp: 12939

Ion Ratio Lower Upper

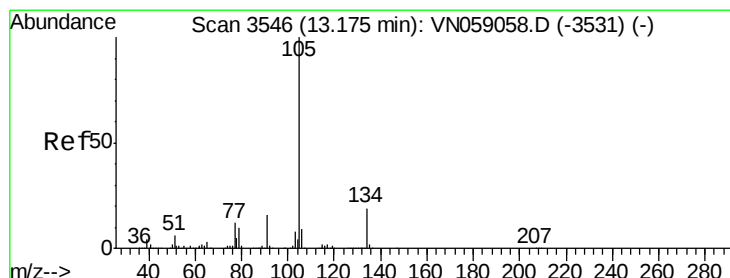
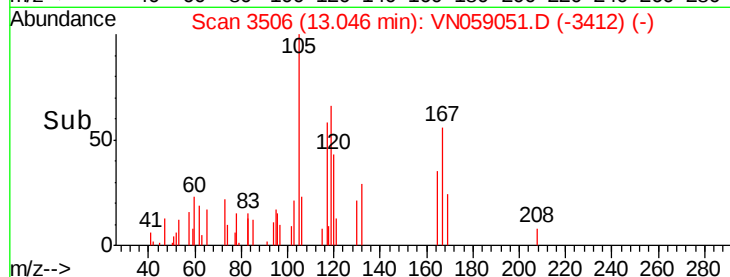
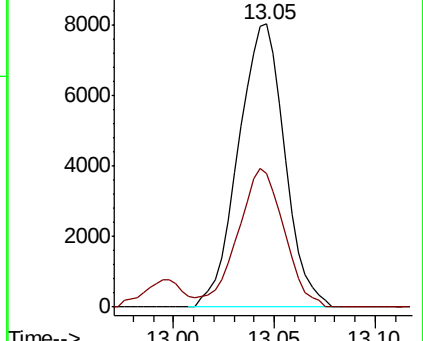
105 100

120 48.9 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.915 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059051.D

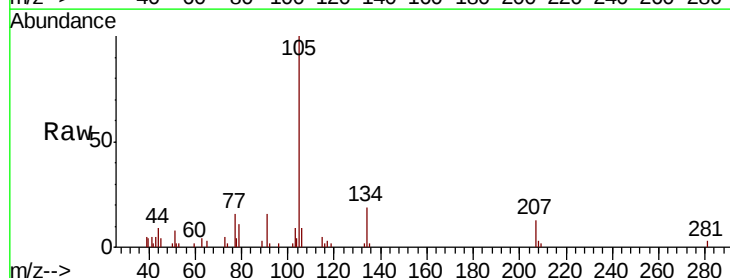
Acq: 1 Nov 2019 10:25

Tgt Ion:105 Resp: 15930

Ion Ratio Lower Upper

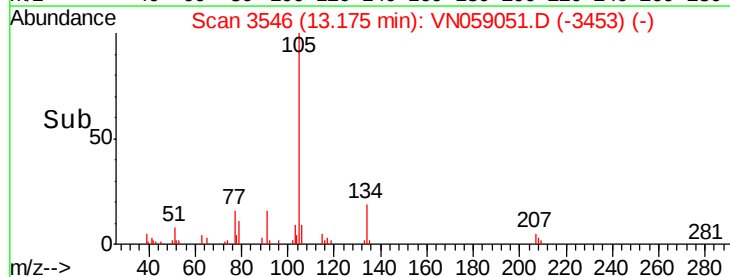
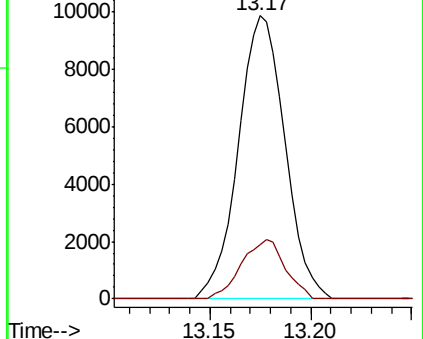
105 100

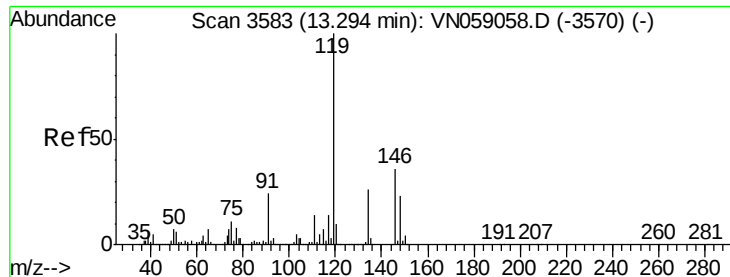
134 19.6 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

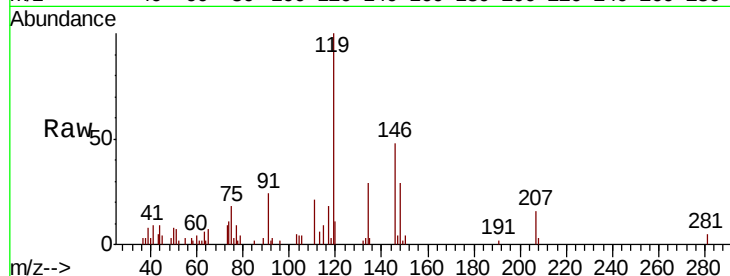




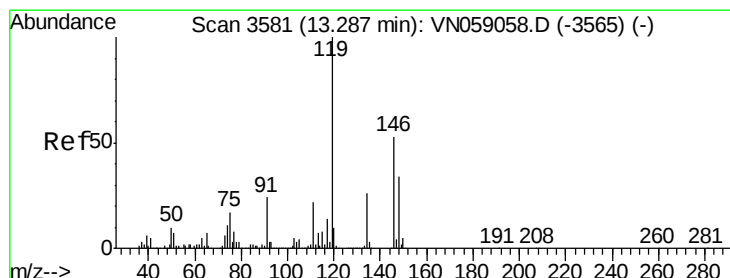
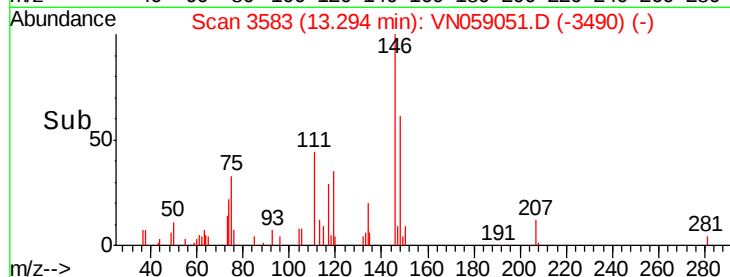
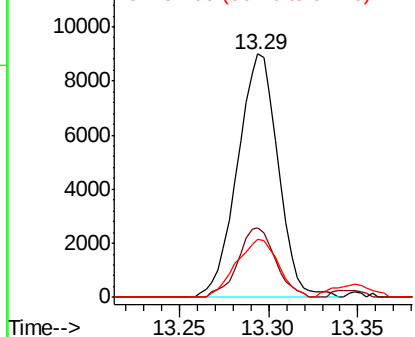
#86
 p-Isopropyltoluene
 Concen: 0.929 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	119	Resp	14289
Ion Ratio	100	Lower	Upper
119	100		
134	26.3	13.0	39.0
91	24.7	12.0	36.0

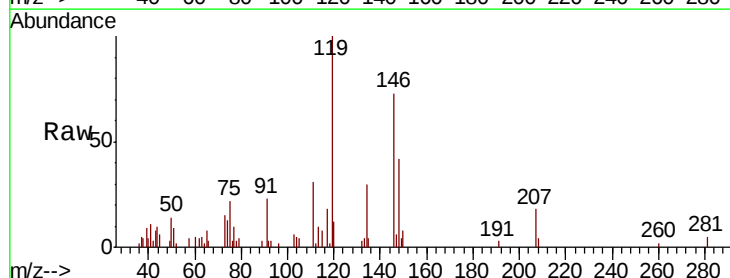


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

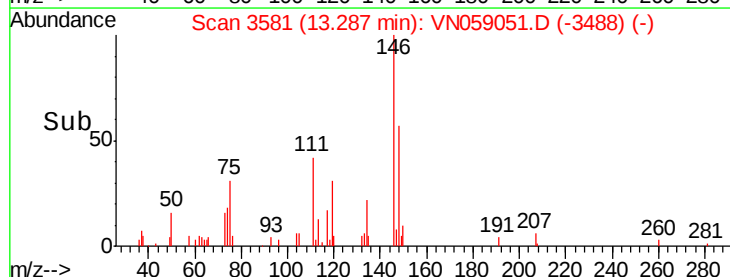
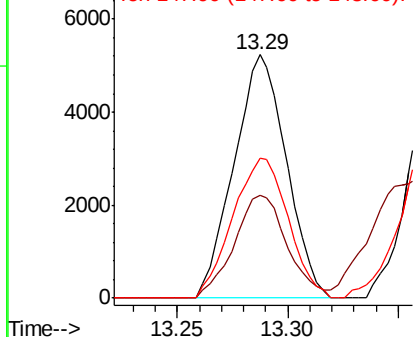


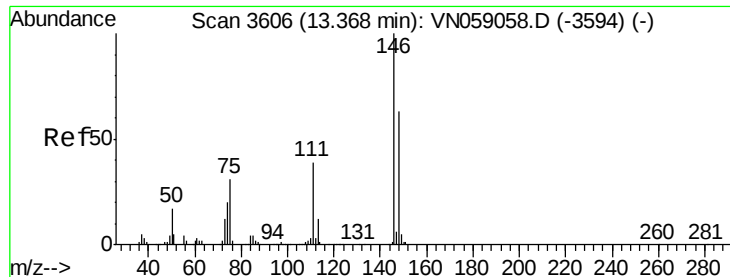
#87
 1,3-Dichlorobenzene
 Concen: 1.075 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Tgt Ion	146	Resp	8633
Ion Ratio	100	Lower	Upper
146	100		
111	43.0	20.5	61.5
148	60.8	31.8	95.3



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

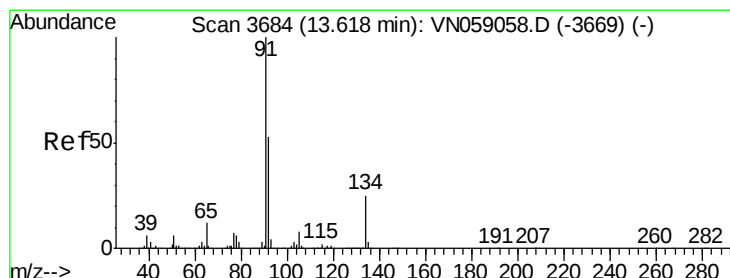
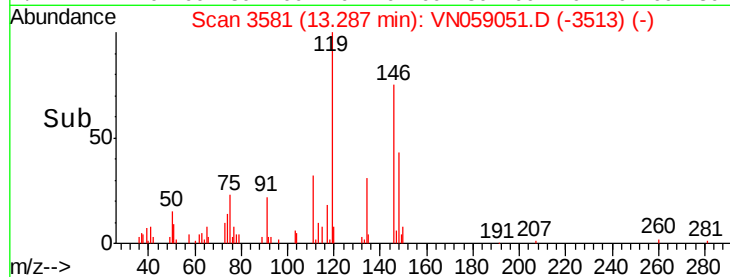
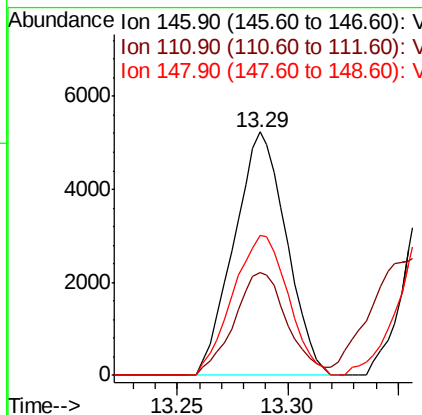
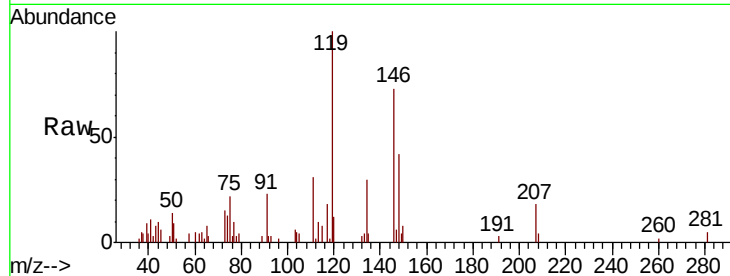




#88
 1,4-Dichlorobenzene
 Concen: 1.074 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

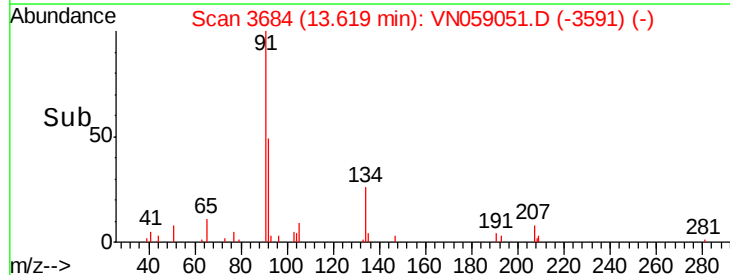
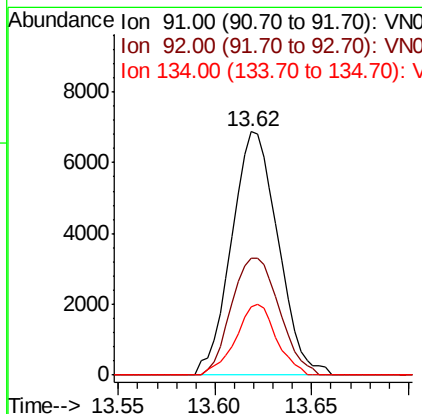
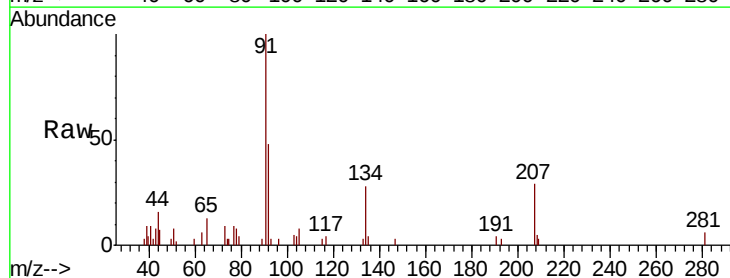
Instrument :
 MSVOA_N
 ClientSampleId :

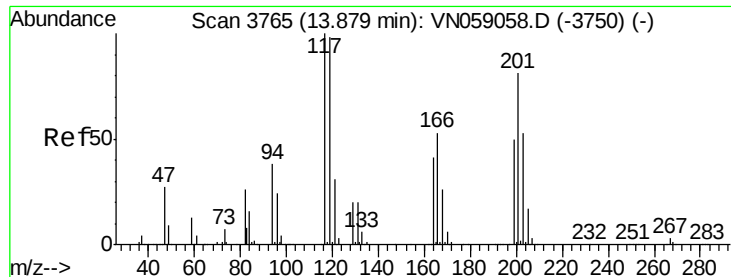
Tot Ion:146 Resp: 8633
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.1 60.2
 148 60.8 31.9 95.7



#89
 n-Butylbenzene
 Concen: 0.816 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Tgt Ion: 91 Resp: 11463
 Ion Ratio Lower Upper
 91 100
 92 49.6 26.4 79.0
 134 25.4 12.5 37.5

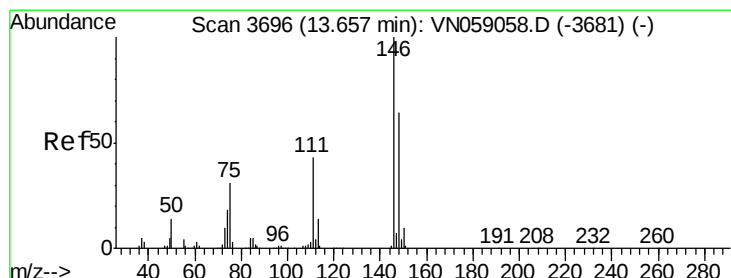
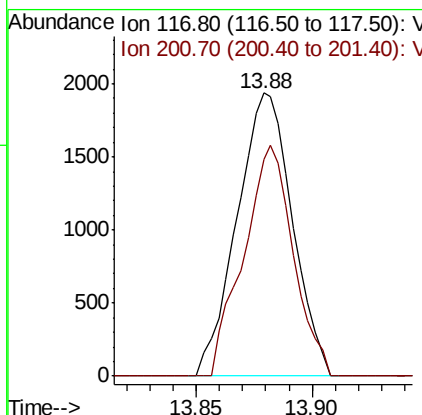
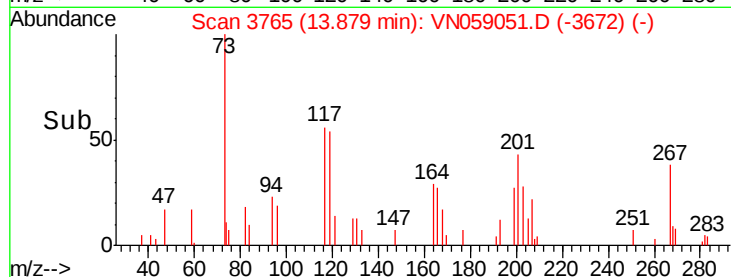
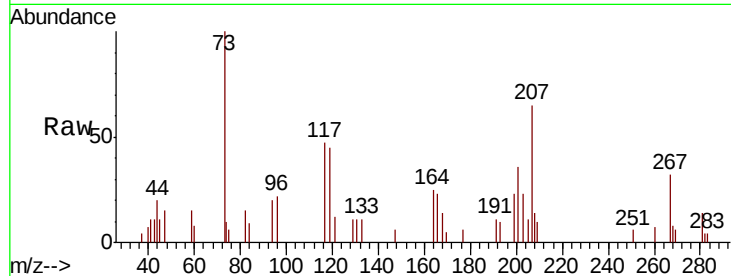




#90
Hexachloroethane
Concen: 1.027 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

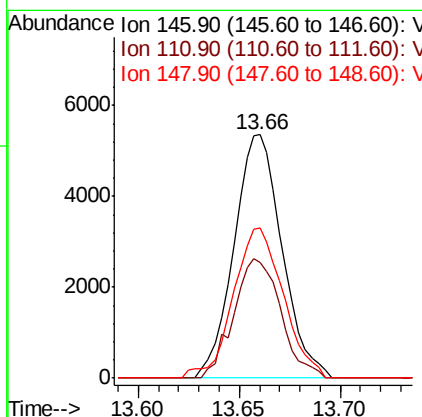
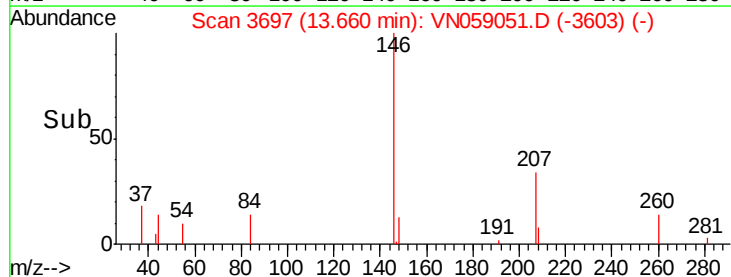
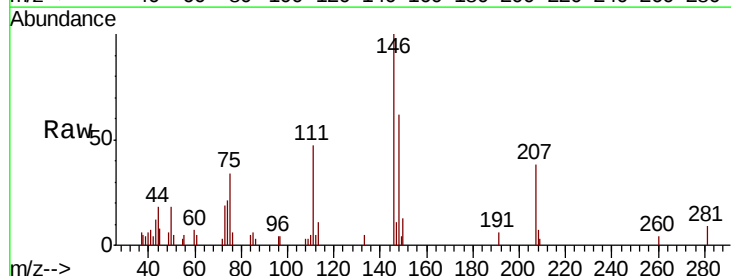
Instrument :
MSVOA_N
ClientSampled :

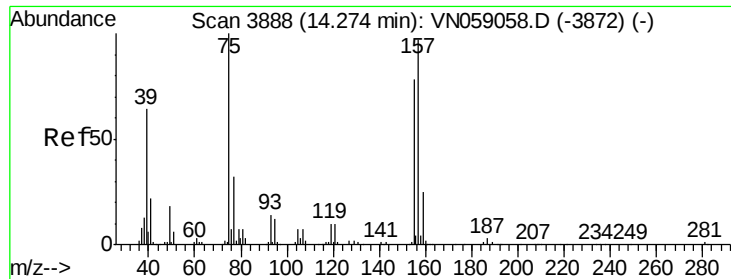
Tot Ion:117 Resp: 3209
Ion Ratio Lower Upper
117 100
201 73.3 40.7 122.1



#91
1,2-Dichlorobenzene
Concen: 1.131 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN059051.D
Acq: 1 Nov 2019 10:25

Tgt Ion:146 Resp: 8915
Ion Ratio Lower Upper
146 100
111 48.1 21.2 63.6
148 64.3 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.234 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampled :

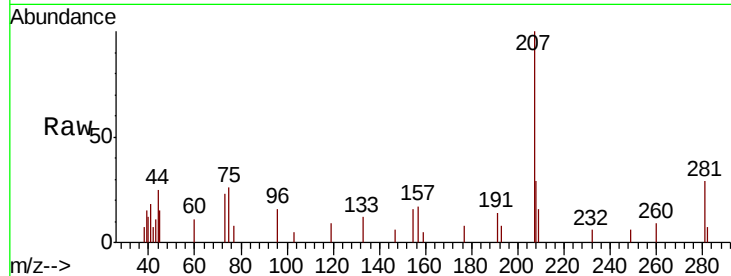
Tot Ion: 75 Resp: 1771

Ion Ratio Lower Upper

75 100

155 54.7 39.7 119.1

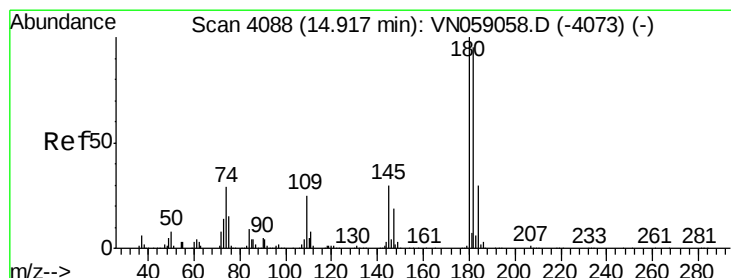
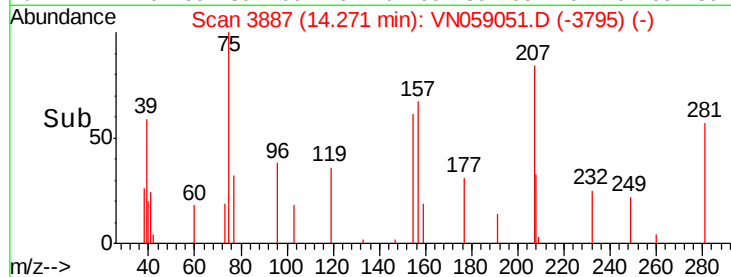
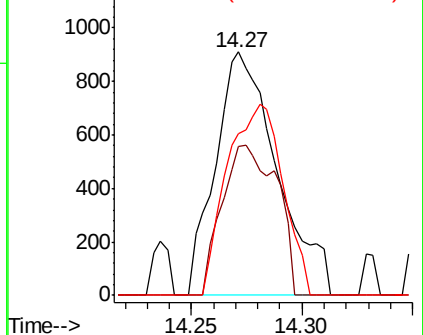
157 70.9 51.0 153.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.932 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

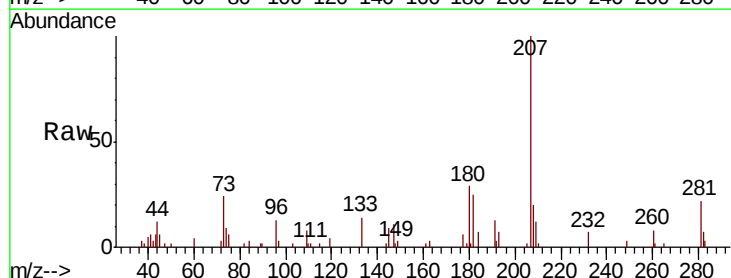
Tgt Ion:180 Resp: 4033

Ion Ratio Lower Upper

180 100

182 85.3 47.8 143.4

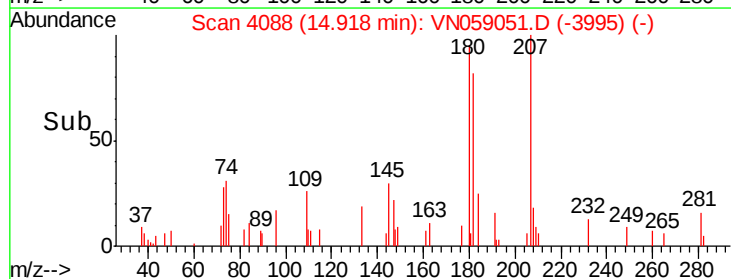
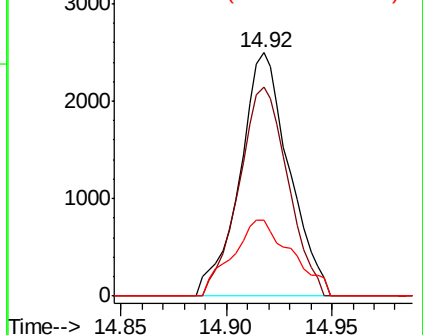
145 38.1 15.1 45.3

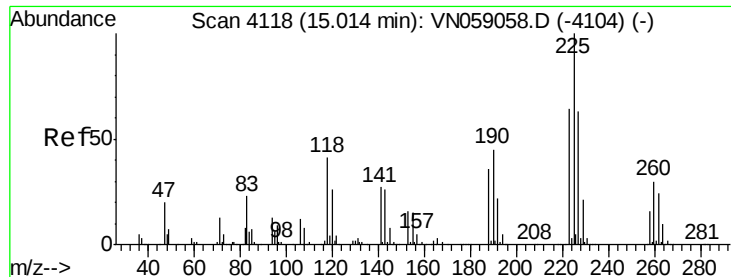


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.056 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

Instrument :

MSVOA_N

ClientSampleId :

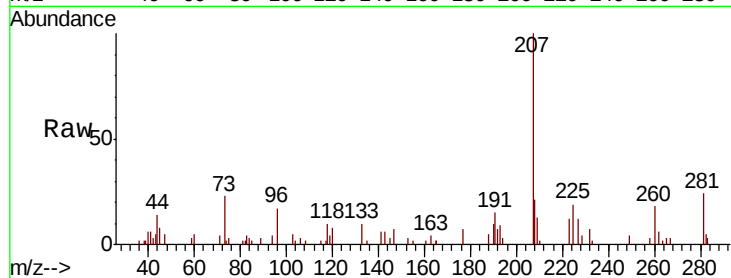
Tot Ion:225 Resp: 2712

Ion Ratio Lower Upper

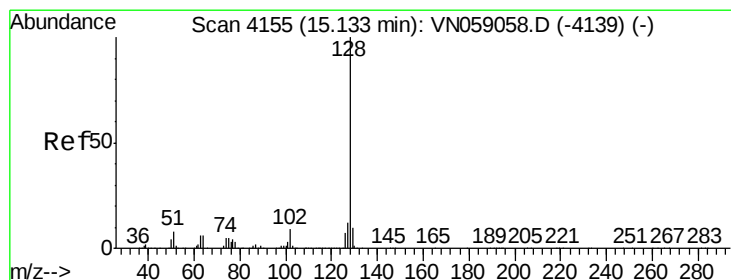
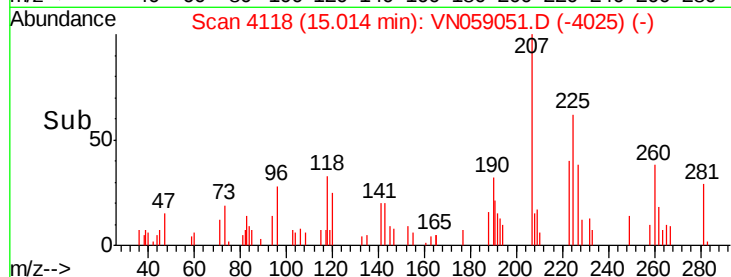
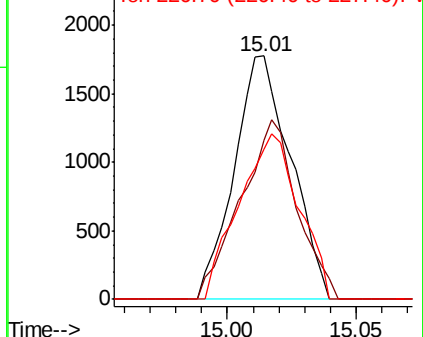
225 100

223 73.8 31.6 95.0

227 72.3 31.9 95.7



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: 0.920 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059051.D

Acq: 1 Nov 2019 10:25

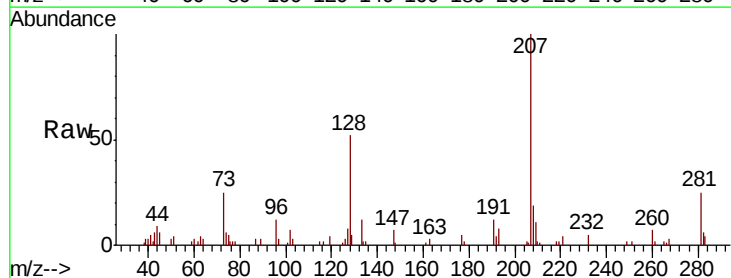
Tgt Ion:128 Resp: 11026

Ion Ratio Lower Upper

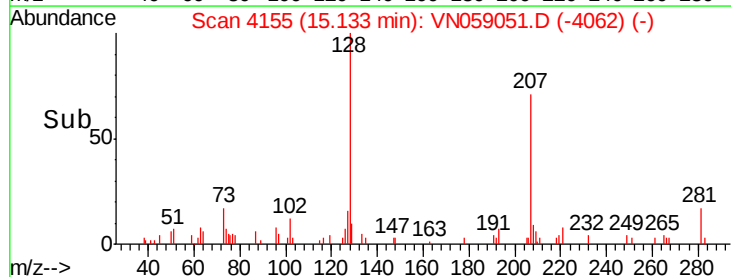
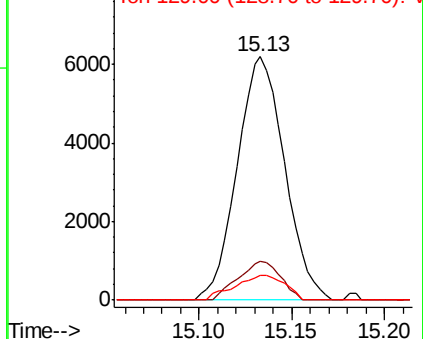
128 100

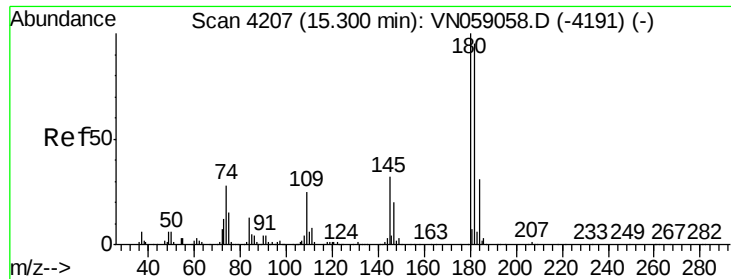
127 14.2 9.9 14.9

129 10.7 8.4 12.6



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

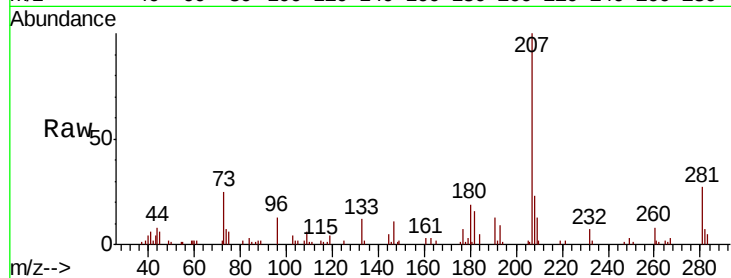




#96
 1,2,3-Trichlorobenzene
 Concen: 1.070 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN059051.D
 Acq: 1 Nov 2019 10:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.7	143.1
145	17.0	16.0	48.0



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

