

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111319\
 Data File : VN059209.D
 Acq On : 13 Nov 2019 10:28
 Operator : JC/SP
 Sample : VN1113WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Quant Time: Nov 22 04:01:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	399668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	620851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	556179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	235308	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
35) Dibromofluoromethane	7.57	113	185097	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.08	98	699156	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.40	95	248826	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74625	18.532	ug/l	99
3) Chloromethane	2.04	50	97596	17.830	ug/l	100
4) Vinyl Chloride	2.17	62	101589	19.143	ug/l	100
5) Bromomethane	2.54	94	59640	19.529	ug/l	92
6) Chloroethane	2.68	64	60004	19.114	ug/l	95
7) Trichlorofluoromethane	3.00	101	126026	19.854	ug/l	99
8) Diethyl Ether	3.39	74	49936	19.361	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77348	20.210	ug/l	99
10) Methyl Iodide	3.93	142	92157	19.453	ug/l	98
11) Tert butyl alcohol	4.75	59	88511	94.533	ug/l	99
12) 1,1-Dichloroethene	3.72	96	71139	19.081	ug/l	96
13) Acrolein	3.58	56	29756	61.640	ug/l	98
14) Allyl chloride	4.29	41	143354	18.719	ug/l	99
15) Acrylonitrile	4.95	53	229903	98.665	ug/l	99
16) Acetone	3.79	43	247608	96.918	ug/l	100
17) Carbon Disulfide	4.03	76	200899	17.359	ug/l	99
18) Methyl Acetate	4.29	43	123722	20.402	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	259807	20.241	ug/l	99
20) Methylene Chloride	4.52	84	86666	19.472	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	76594	19.139	ug/l	97
22) Diisopropyl ether	5.92	45	292183	20.199	ug/l	94
23) Vinyl Acetate	5.87	43	1174645	104.776	ug/l	100
24) 1,1-Dichloroethane	5.82	63	163371	20.221	ug/l	100
25) 2-Butanone	6.81	43	329555	97.875	ug/l	100
26) 2,2-Dichloropropane	6.80	77	136876	19.375	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	91661	19.742	ug/l	99
28) Bromochloromethane	7.17	49	49773	20.477	ug/l	99
29) Tetrahydrofuran	7.18	42	210990	98.618	ug/l	100
30) Chloroform	7.35	83	157050	20.264	ug/l	97
31) Cyclohexane	7.63	56	140194	18.329	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	130982	20.101	ug/l	99
36) 1,1-Dichloropropene	7.77	75	113938	19.634	ug/l	100
37) Ethyl Acetate	6.90	43	130152	20.160	ug/l	99
38) Carbon Tetrachloride	7.75	117	113767	19.697	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	127840	18.981	ug/l	97
40) Benzene	8.02	78	346642	19.836	ug/l	100
41) Methacrylonitrile	7.15	41	60833	21.670	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	122678	20.468	ug/l	98
43) Isopropyl Acetate	8.14	43	199072	19.342	ug/l	99
44) Trichloroethene	8.82	130	86649	20.171	ug/l	99
45) 1,2-Dichloropropane	9.10	63	96716	20.376	ug/l	99
46) Dibromomethane	9.19	93	58803	19.880	ug/l	100
47) Bromodichloromethane	9.39	83	121763	20.616	ug/l	100
48) Methyl methacrylate	9.18	41	87997	19.115	ug/l	100
49) 1,4-Dioxane	9.18	88	30440	372.063	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	628466	107.917	ug/l	99
52) Toluene	10.14	92	209048	19.958	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	133112	19.507	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	147188	20.053	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	86872	20.494	ug/l	98
56) Ethyl methacrylate	10.42	69	123875	18.738	ug/l	99
57) 1,3-Dichloropropane	10.70	76	150046	20.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	246105	104.321	ug/l	99
59) 2-Hexanone	10.74	43	454221	101.618	ug/l	100
60) Dibromochloromethane	10.90	129	91001	20.304	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85729	19.978	ug/l	100
64) Tetrachloroethene	10.62	164	74806	19.780	ug/l	97
65) Chlorobenzene	11.43	112	220916	20.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85537	21.031	ug/l	98
67) Ethyl Benzene	11.51	91	392208	20.389	ug/l	99
68) m/p-Xylenes	11.62	106	289353	40.156	ug/l	100
69) o-Xylene	11.94	106	138199	19.846	ug/l	100
70) Styrene	11.96	104	218555	19.956	ug/l	100
71) Bromoform	12.12	173	63267	19.999	ug/l #	100
73) Isopropylbenzene	12.25	105	379976	20.667	ug/l	100
74) N-amyl acetate	12.07	43	149643	19.208	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	128756	20.564	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	170971	29.711	ug/l #	100
77) Bromobenzene	12.52	156	90634	19.621	ug/l	98
78) n-propylbenzene	12.59	91	431027	20.475	ug/l	99
79) 2-Chlorotoluene	12.67	91	261270	20.006	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	315441	20.248	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42388	19.456	ug/l	98
82) 4-Chlorotoluene	12.77	91	266227	20.325	ug/l	100
83) tert-Butylbenzene	12.99	119	268741	19.975	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	313515	20.800	ug/l	99
85) sec-Butylbenzene	13.17	105	361450	20.657	ug/l	100
86) p-Isopropyltoluene	13.29	119	317889	20.576	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	159408	20.153	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	154373	19.506	ug/l	98
89) n-Butylbenzene	13.62	91	263545	19.490	ug/l	99
90) Hexachloroethane	13.88	117	61366	19.781	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	160475	20.623	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25443	20.384	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81714	19.300	ug/l	99
94) Hexachlorobutadiene	15.01	225	55677	20.752	ug/l	99
95) Naphthalene	15.13	128	217248	18.621	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	86102	19.745	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

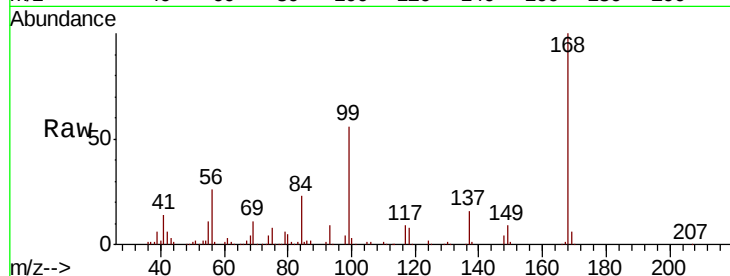
VN1113WBSD01

Tot Ion:168 Resp: 399668

Ion Ratio Lower Upper

168 100

99 55.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

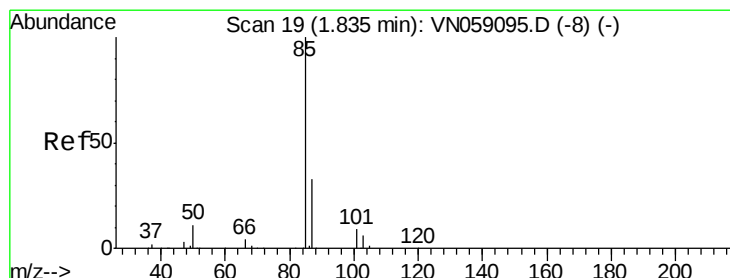
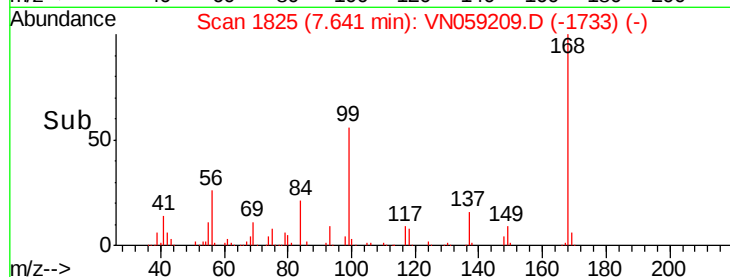
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.532 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059209.D

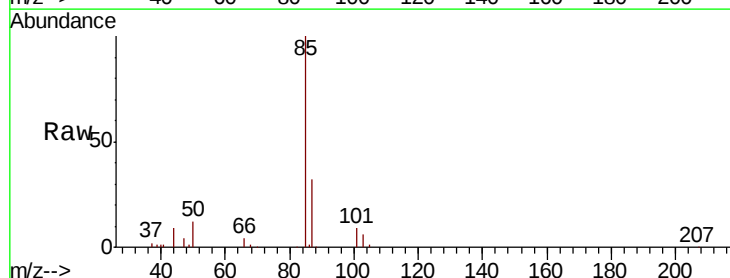
Acq: 13 Nov 2019 10:28

Tgt Ion: 85 Resp: 74625

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

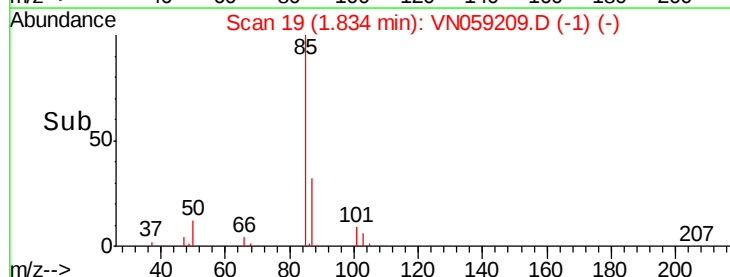
30000

20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.830 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

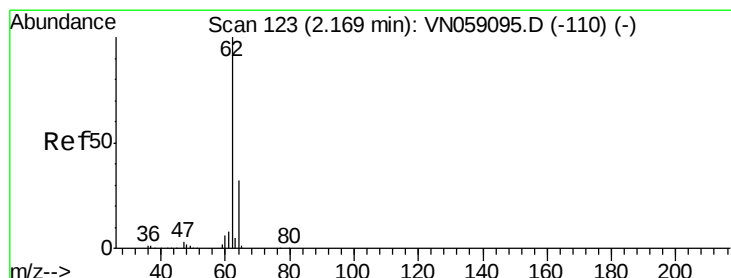
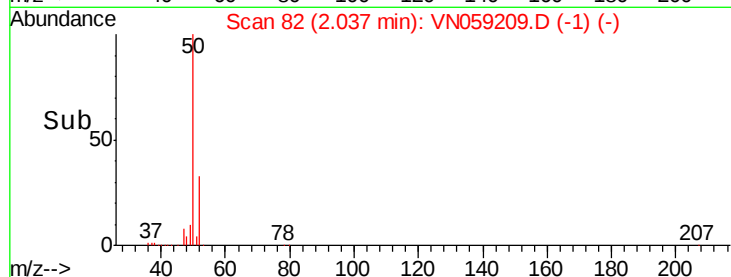
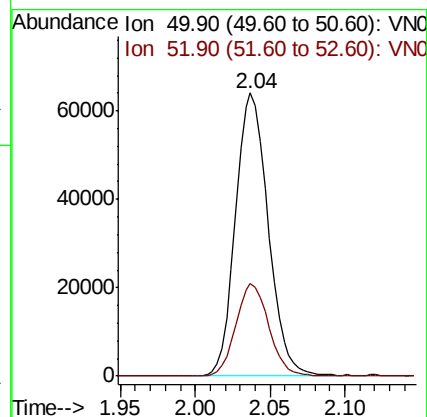
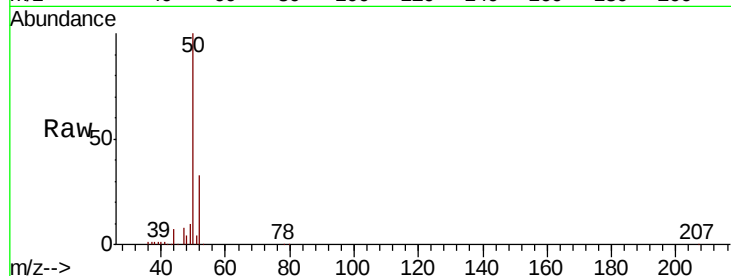
VN1113WBSD01

Tot Ion: 50 Resp: 97596

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 19.143 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059209.D

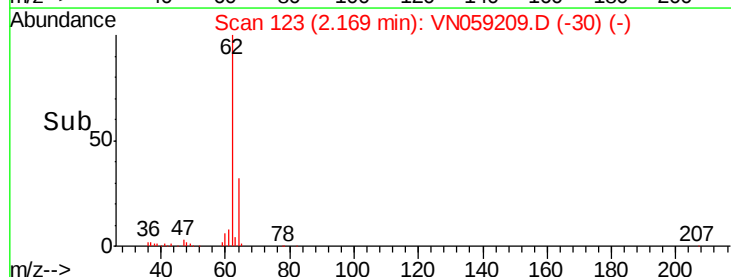
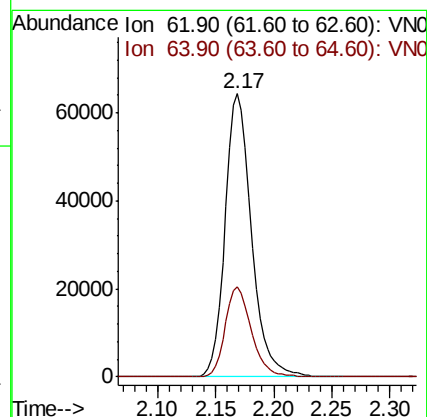
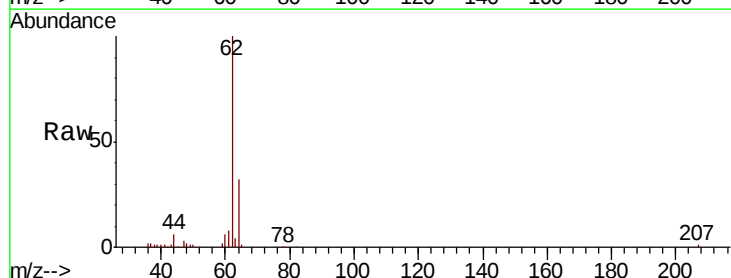
Acq: 13 Nov 2019 10:28

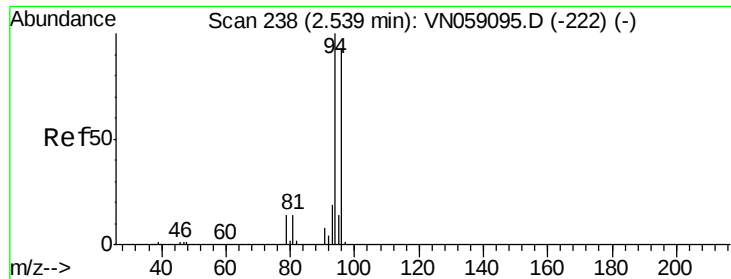
Tgt Ion: 62 Resp: 101589

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 19.529 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

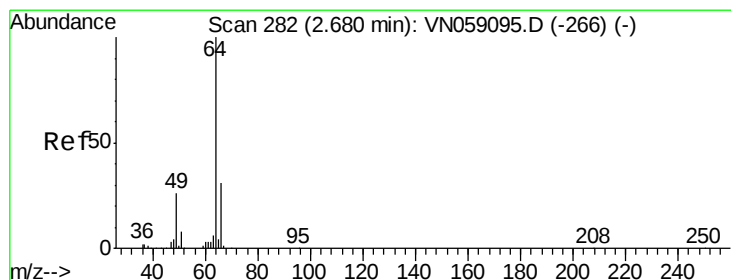
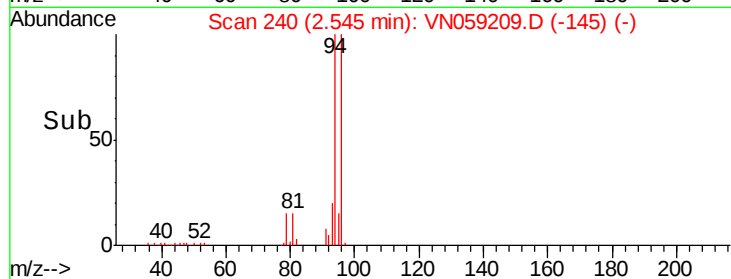
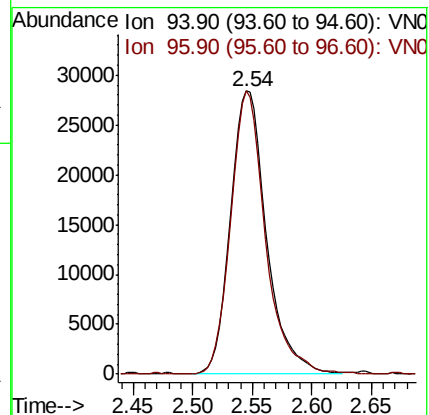
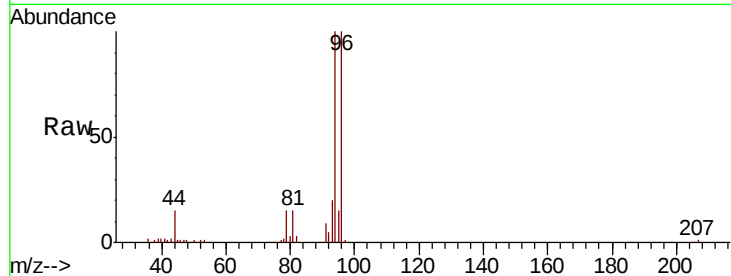
VN1113WBSD01

Tot Ion: 94 Resp: 59640

Ion Ratio Lower Upper

94 100

96 99.9 74.2 111.2



#6

Chloroethane

Concen: 19.114 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059209.D

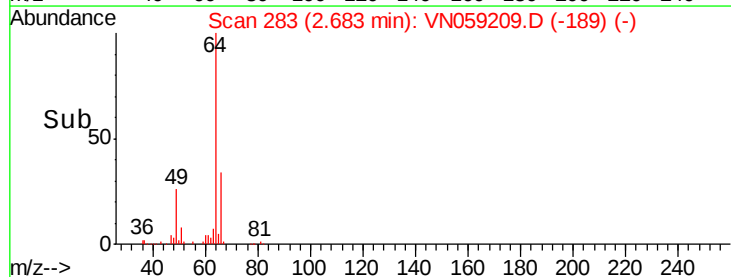
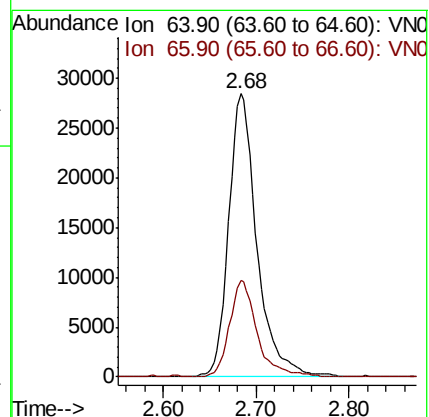
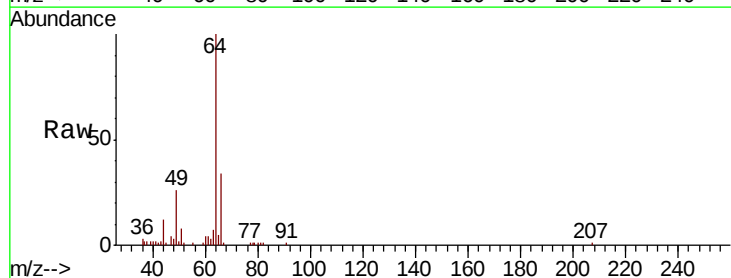
Acq: 13 Nov 2019 10:28

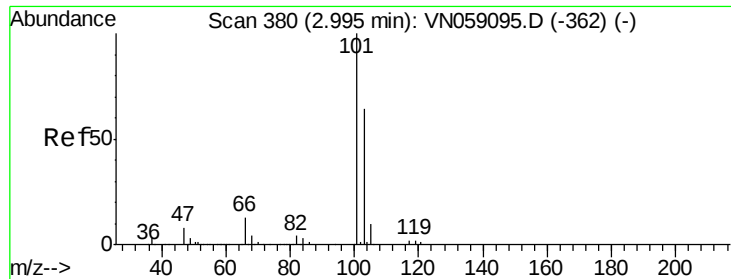
Tgt Ion: 64 Resp: 60004

Ion Ratio Lower Upper

64 100

66 34.1 25.2 37.8



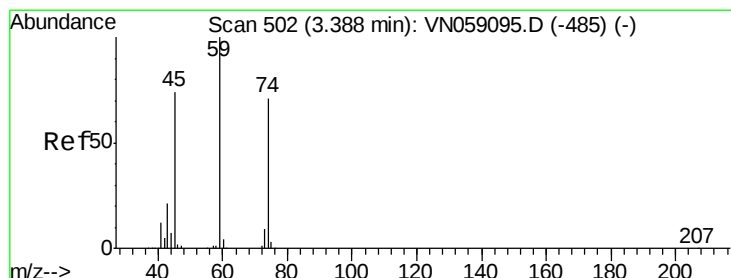
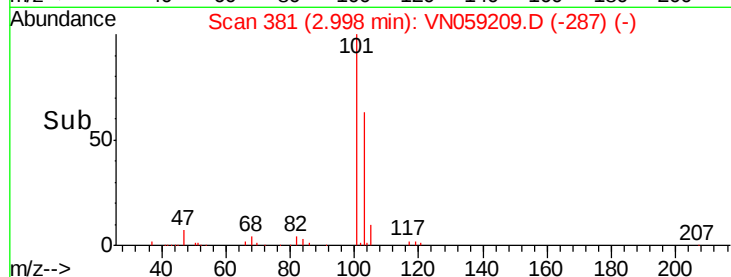
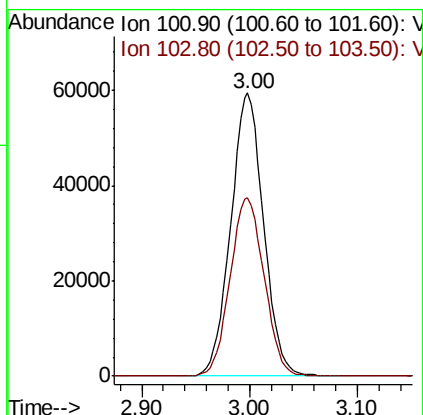
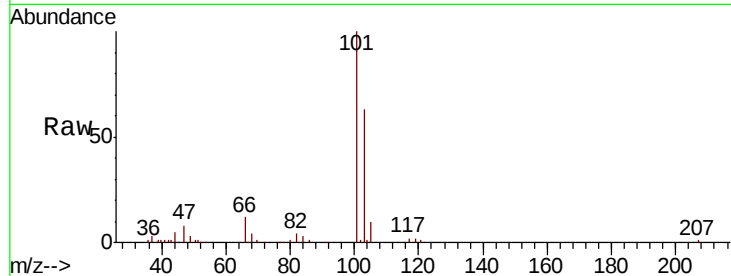


#7

Trichlorofluoromethane
 Concen: 19.854 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

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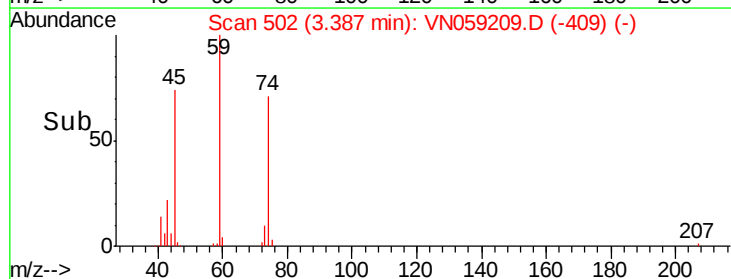
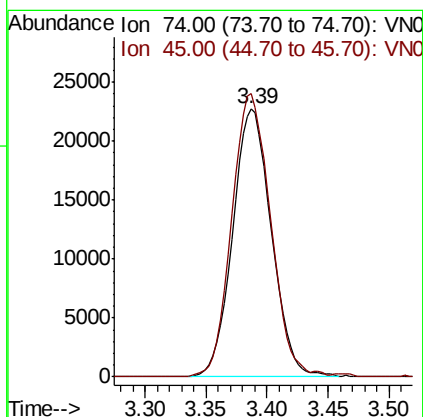
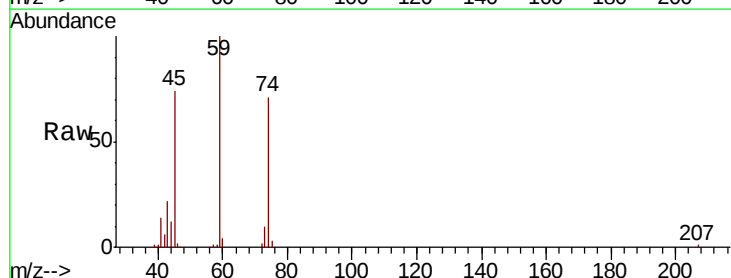
Tot Ion:101 Resp: 126026
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.2 76.8

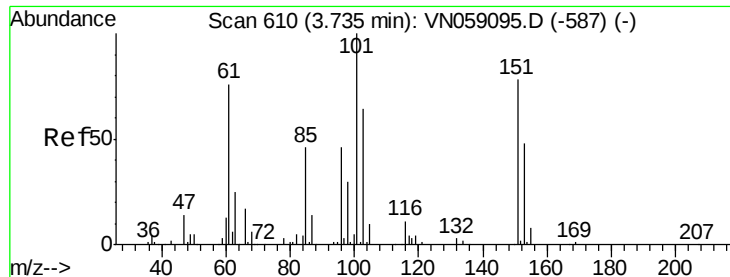


#8

Diethyl Ether
 Concen: 19.361 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

Tgt Ion: 74 Resp: 49936
 Ion Ratio Lower Upper
 74 100
 45 105.8 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.210 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

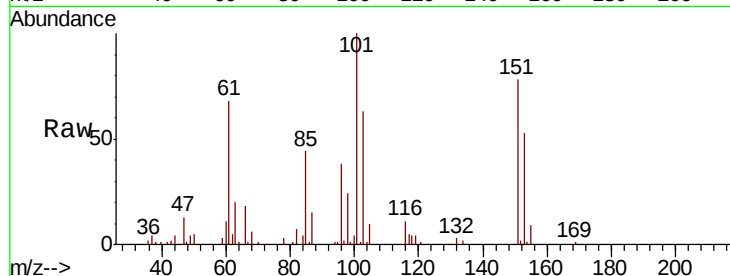
Tot Ion:101 Resp: 77348

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

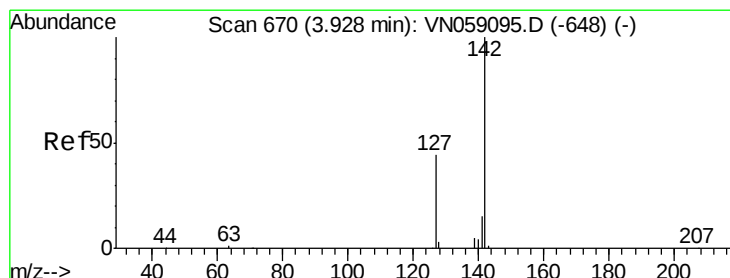
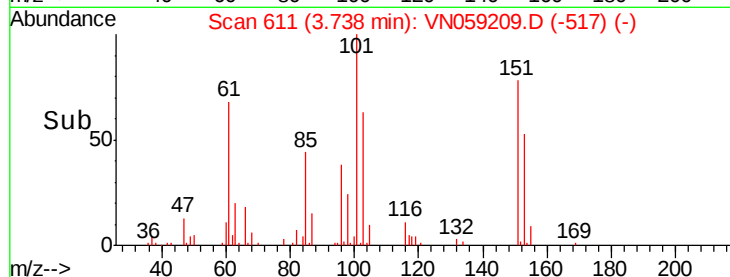
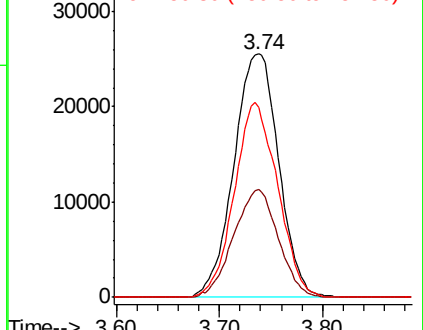
151 76.9 62.2 93.2



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: 19.453 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

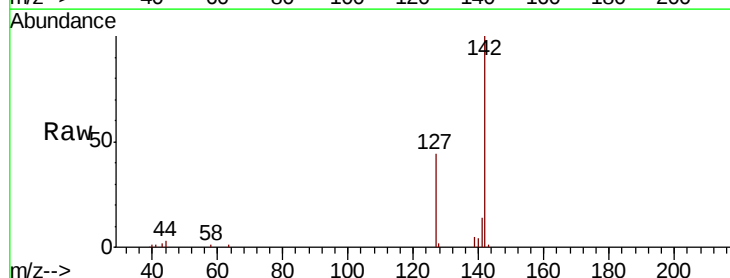
Tgt Ion:142 Resp: 92157

Ion Ratio Lower Upper

142 100

127 44.0 34.2 51.2

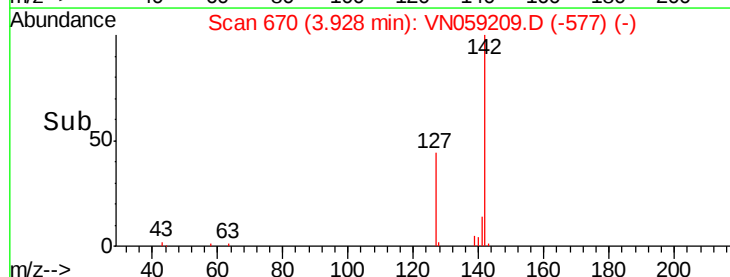
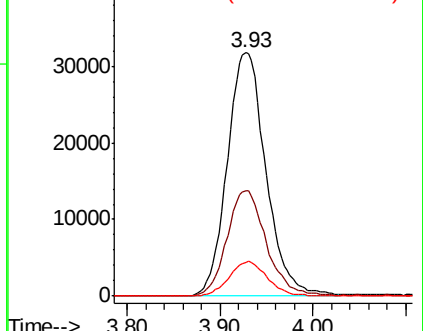
141 13.9 11.4 17.0

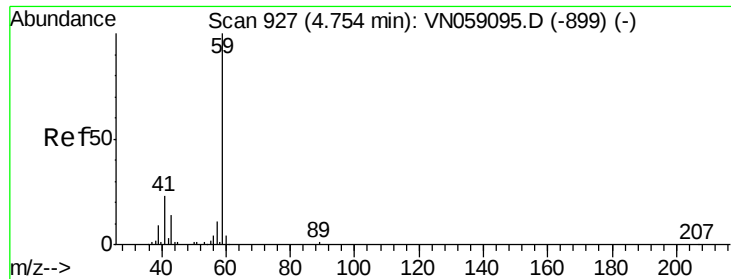


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

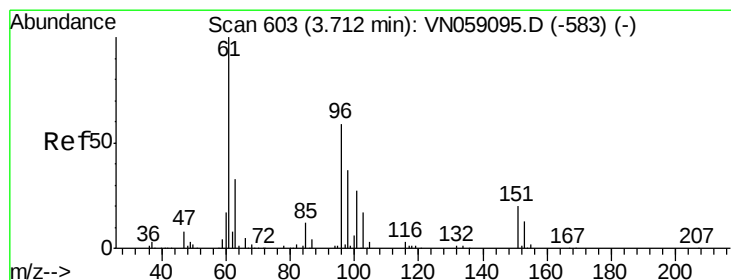
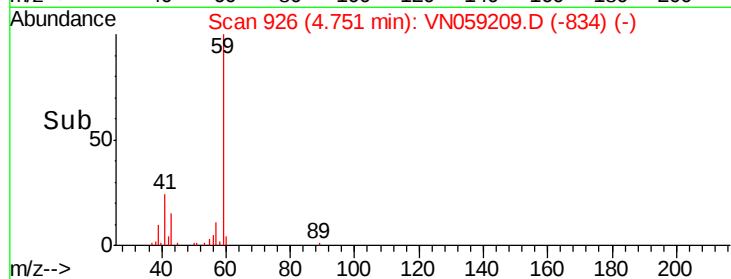
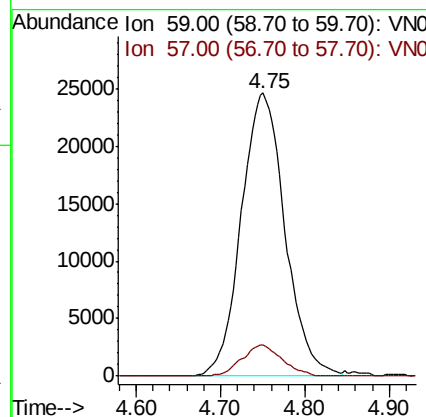
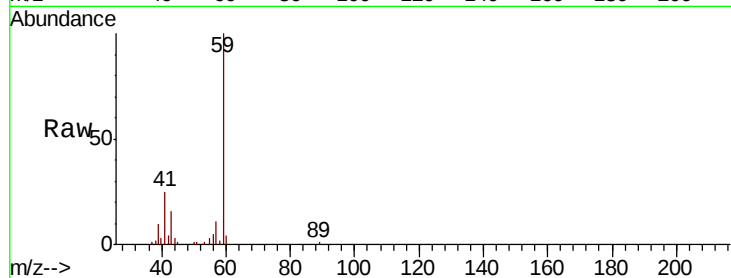




#11
Tert butyl alcohol
Concen: 94.533 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

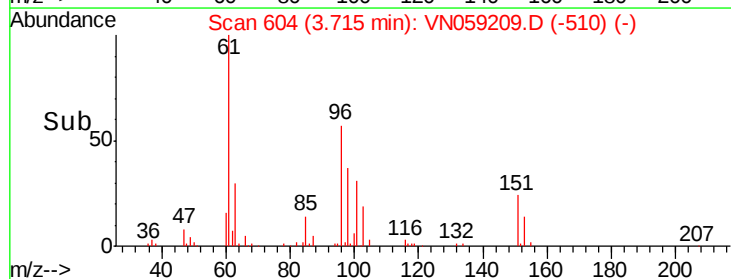
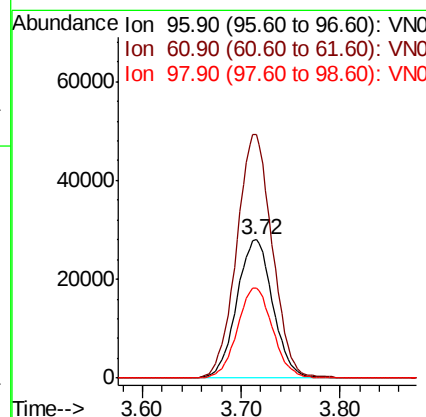
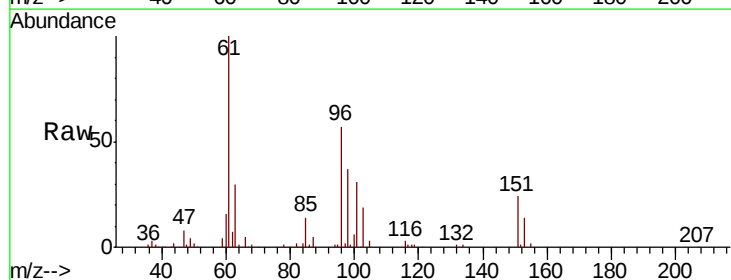
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 59 Resp: 88511
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 19.081 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion: 96 Resp: 71139
Ion Ratio Lower Upper
96 100
61 175.8 136.5 204.7
98 65.1 50.2 75.4





#13

Acrolein

Concen: 61.640 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

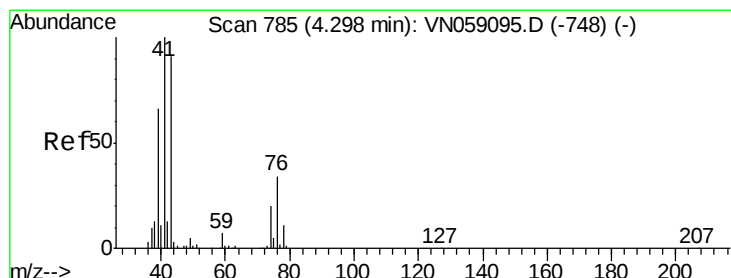
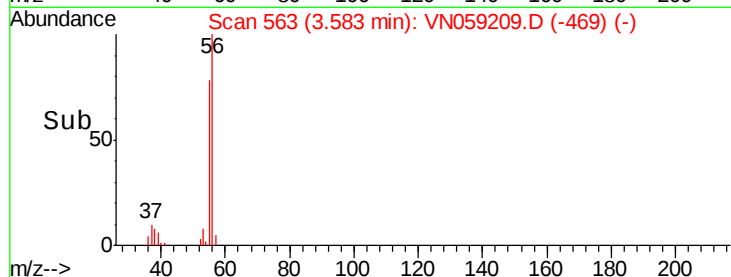
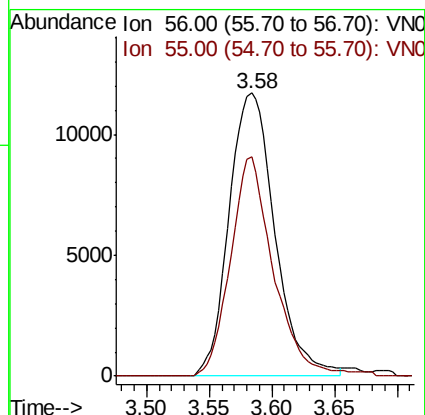
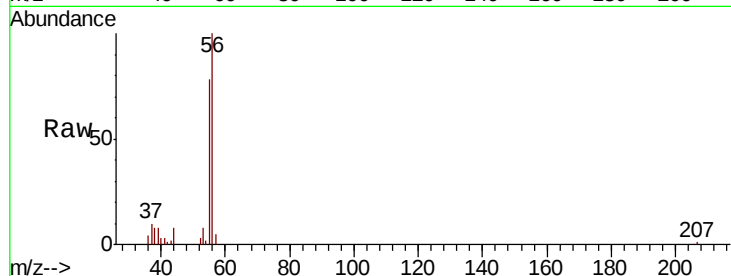
VN1113WBSD01

Tot Ion: 56 Resp: 29756

Ion Ratio Lower Upper

56 100

55 72.3 56.4 84.6



#14

Allyl chloride

Concen: 18.719 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

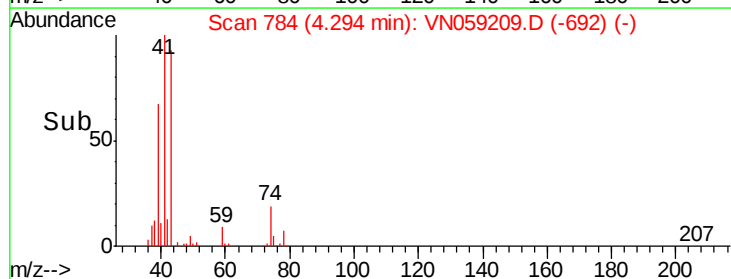
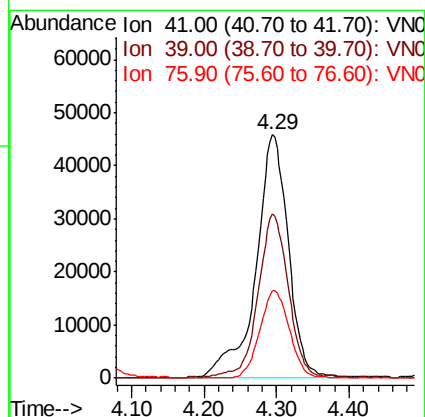
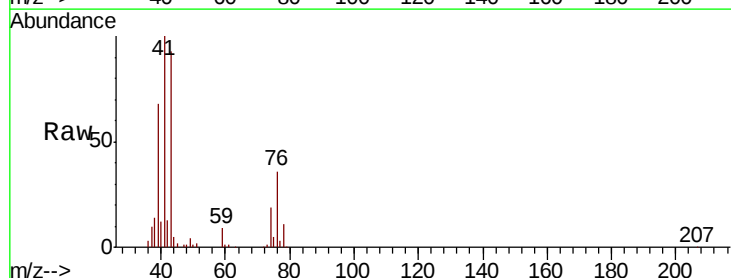
Tgt Ion: 41 Resp: 143354

Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

76 32.6 24.9 37.3





#15

Acrylonitrile

Concen: 98.665 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

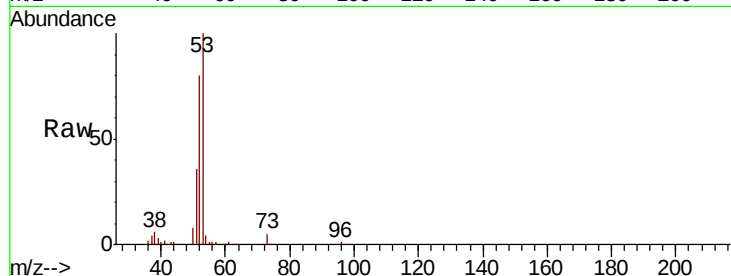
Tot Ion: 53 Resp: 229903

Ion Ratio Lower Upper

53 100

52 82.1 65.0 97.6

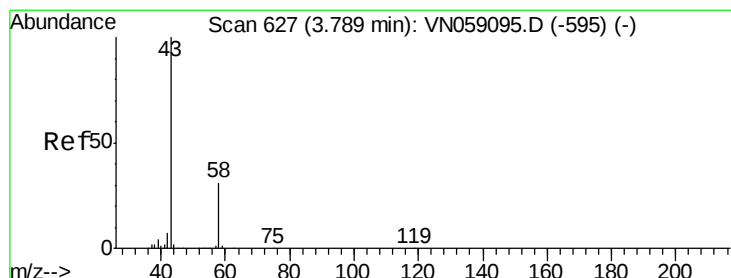
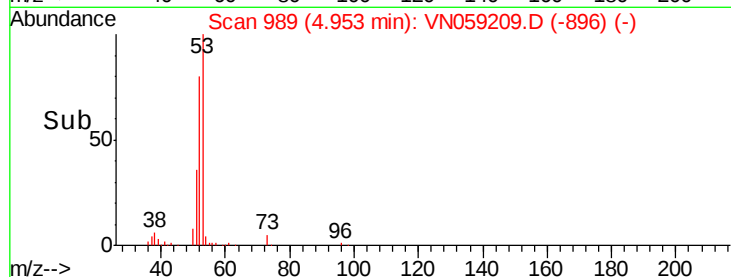
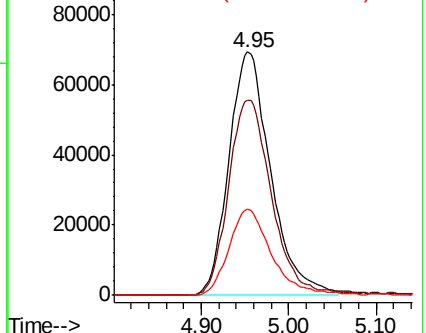
51 35.9 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059209.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059209.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059209.D (-966) (-)



#16

Acetone

Concen: 96.918 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059209.D

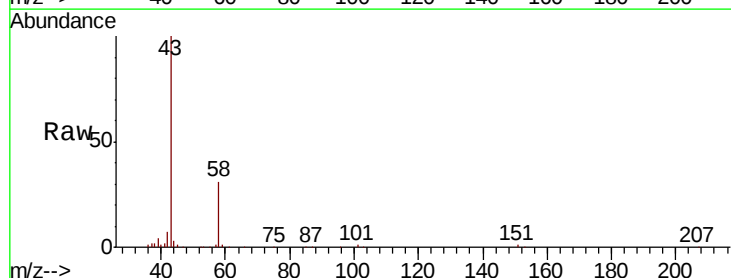
Acq: 13 Nov 2019 10:28

Tgt Ion: 43 Resp: 247608

Ion Ratio Lower Upper

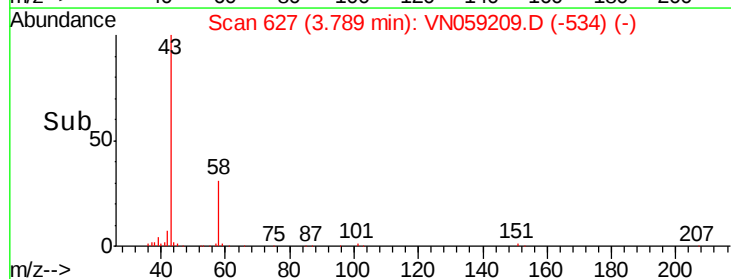
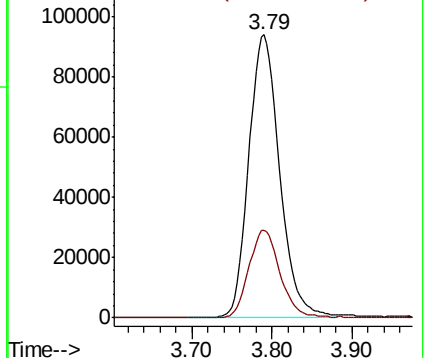
43 100

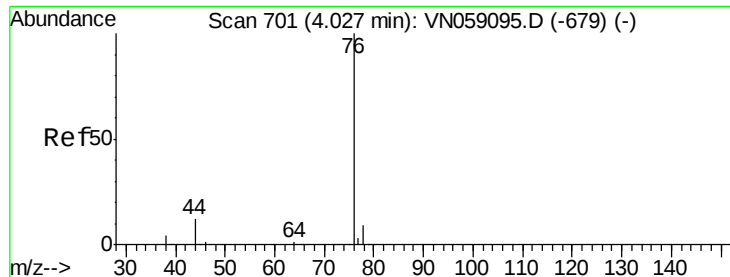
58 31.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059209.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN059209.D (-595) (-)

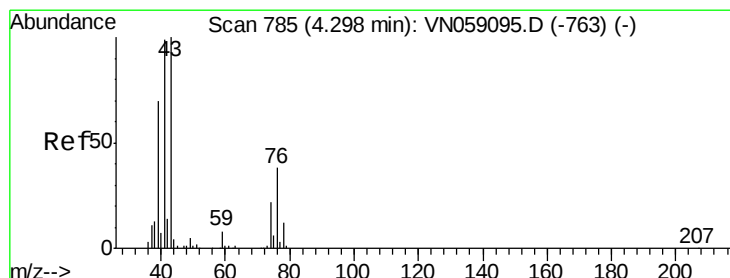
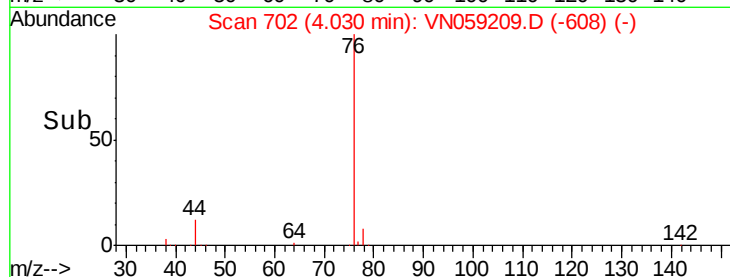
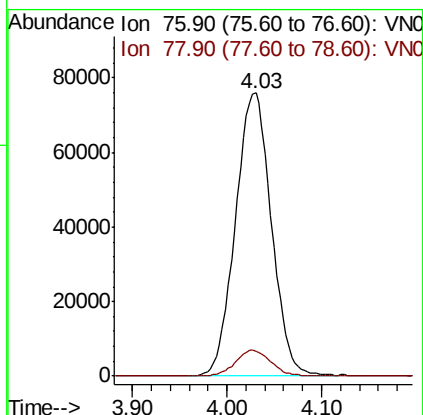
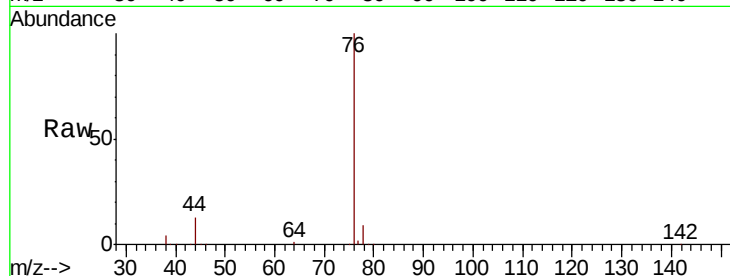




#17
Carbon Disulfide
Concen: 17.359 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

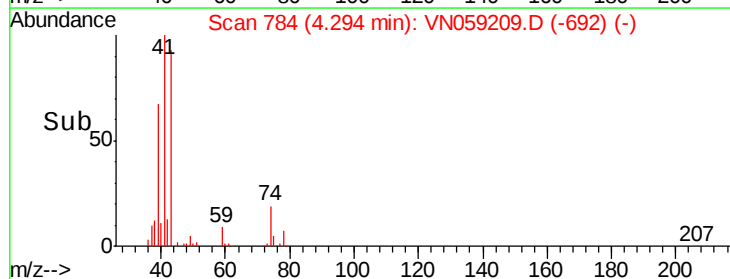
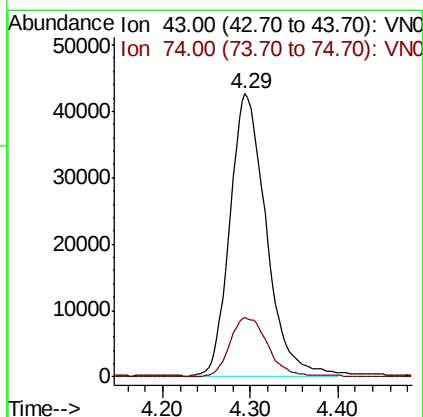
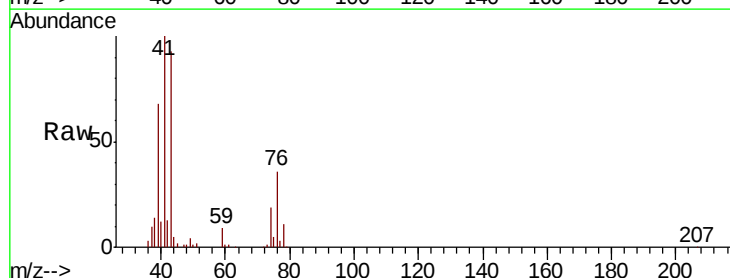
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

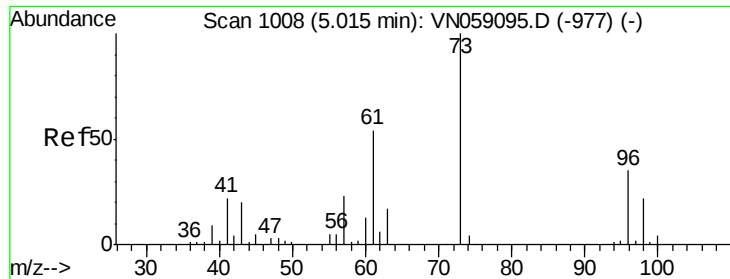
Tot Ion: 76 Resp: 200899
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 20.402 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion: 43 Resp: 123722
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 20.241 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

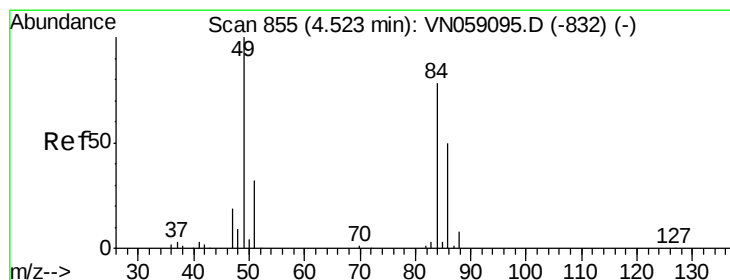
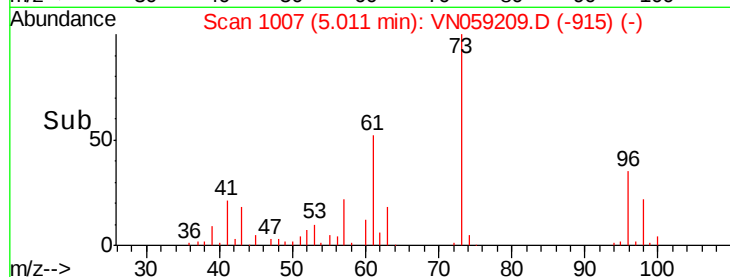
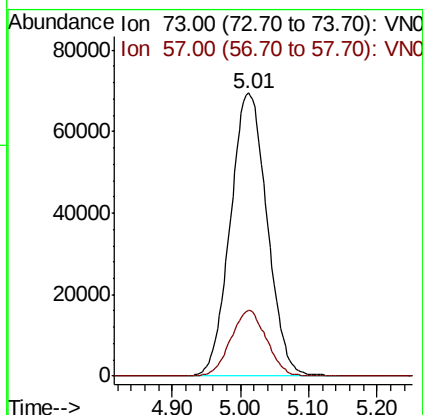
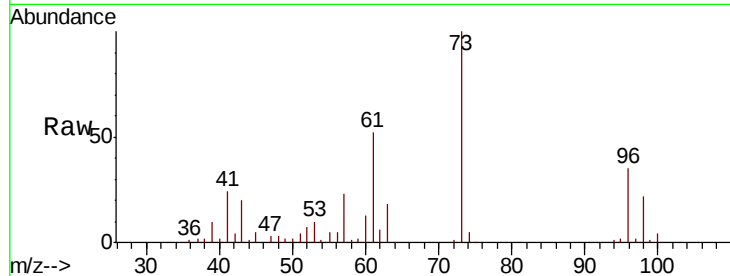
Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 73 Resp: 259807

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.4	27.6



#20

Methylene Chloride

Concen: 19.472 ug/l

RT: 4.52 min Scan# 855

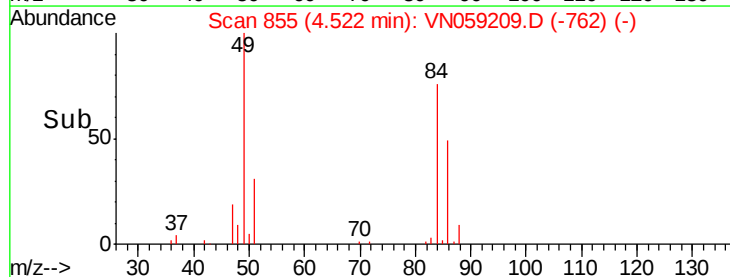
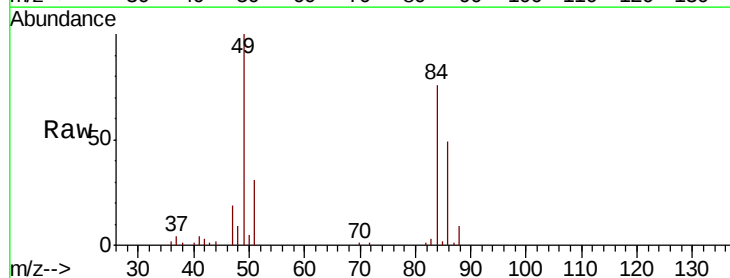
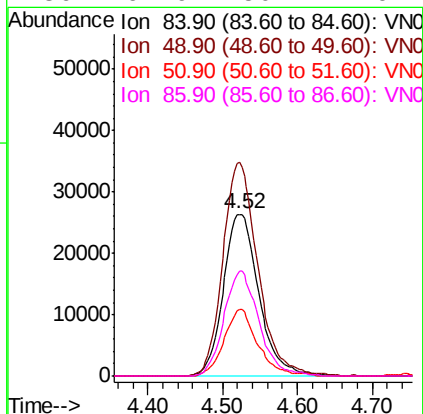
Delta R.T. -0.00 min

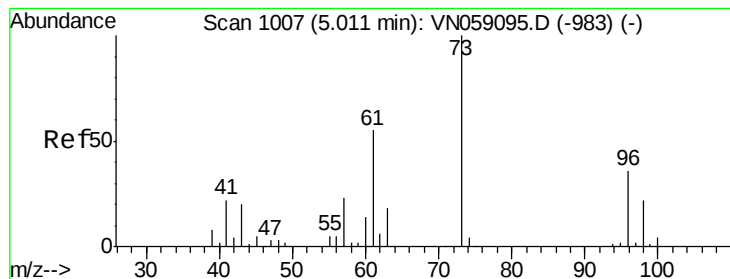
Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Tgt Ion: 84 Resp: 86666

Ion	Ratio	Lower	Upper
84	100		
49	131.9	102.0	153.0
51	41.5	32.2	48.2
86	64.9	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 19.139 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

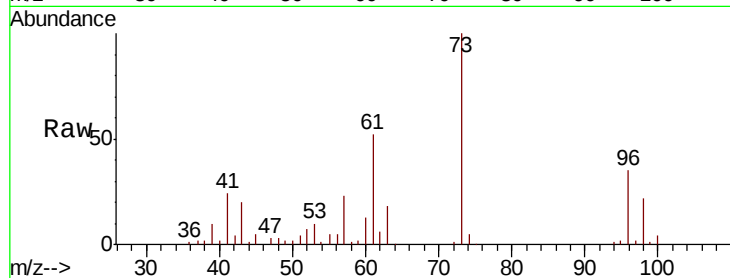
Tot Ion: 96 Resp: 76594

Ion Ratio Lower Upper

96 100

61 148.4 122.6 183.8

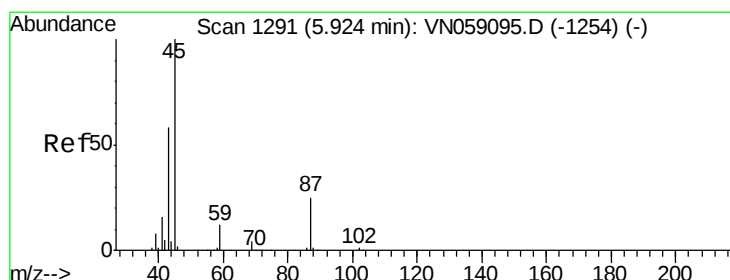
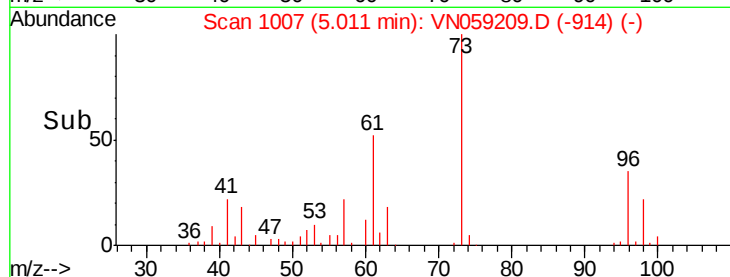
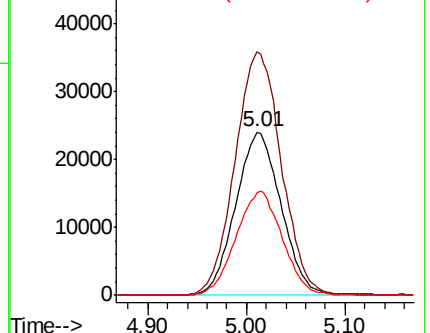
98 62.6 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059209.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059209.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059209.D (-914) (-)



#22

Diisopropyl ether

Concen: 20.199 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Tgt Ion: 45 Resp: 292183

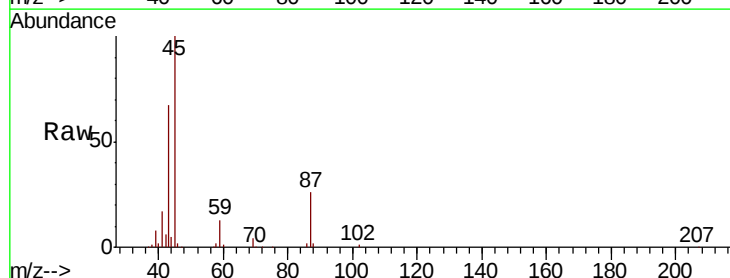
Ion Ratio Lower Upper

45 100

43 65.1 46.7 70.1

87 25.8 20.5 30.7

59 12.3 9.6 14.4

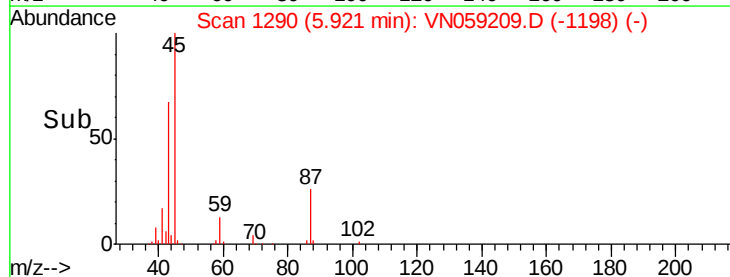
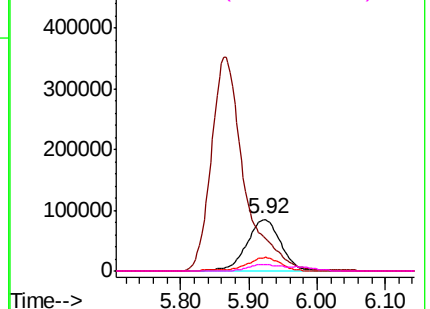


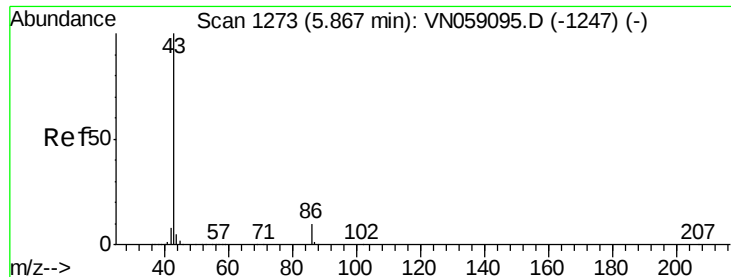
Abundance Ion 45.00 (44.70 to 45.70): VN059209.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059209.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059209.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059209.D (-1198) (-)





#23

Vinyl Acetate

Concen: 104.776 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

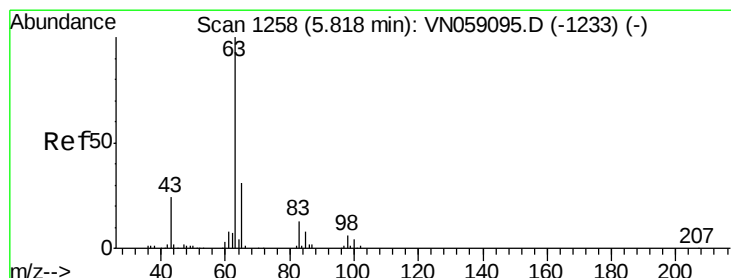
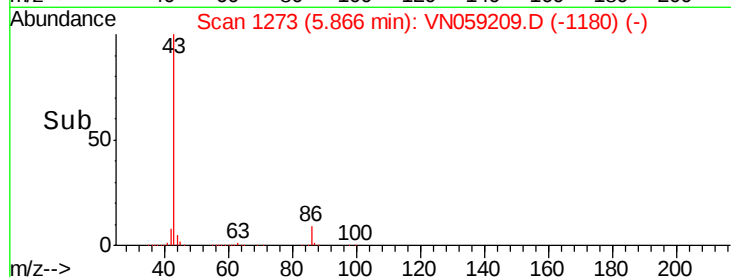
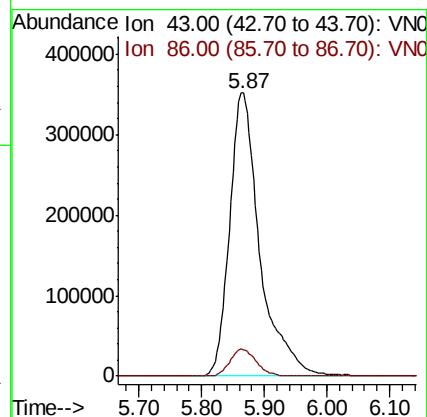
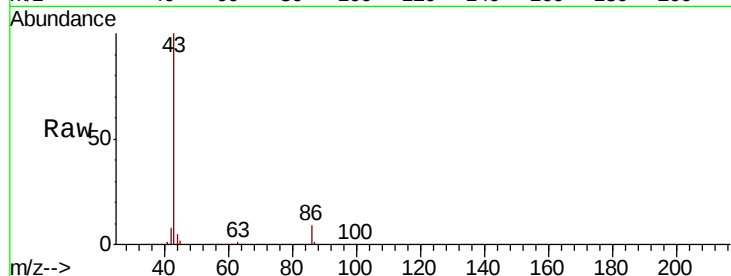
VN1113WBSD01

Tot Ion: 43 Resp: 1174645

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.221 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

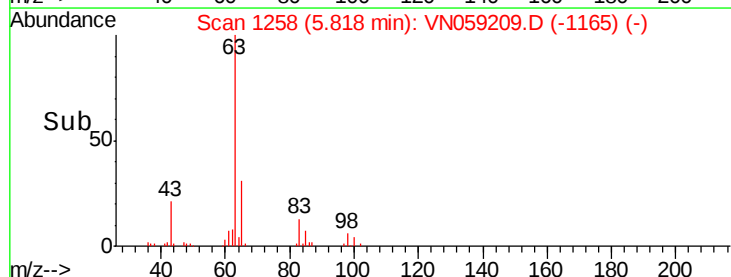
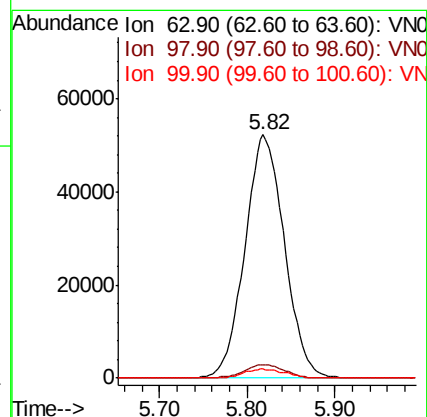
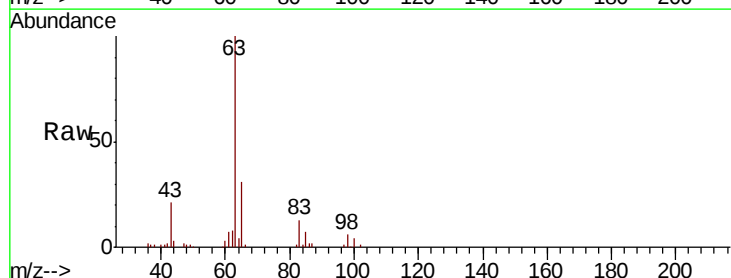
Tgt Ion: 63 Resp: 163371

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 97.875 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

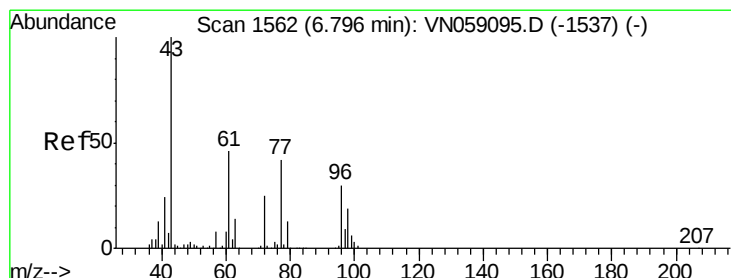
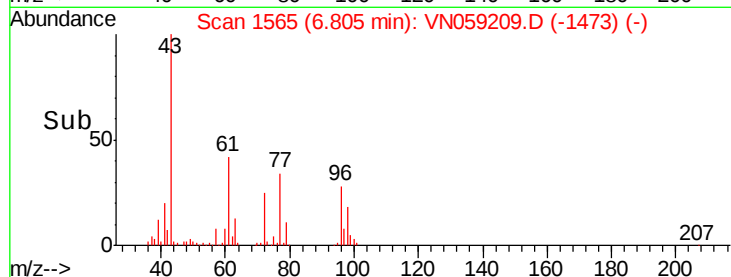
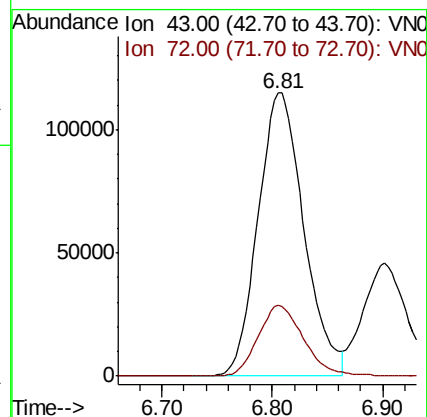
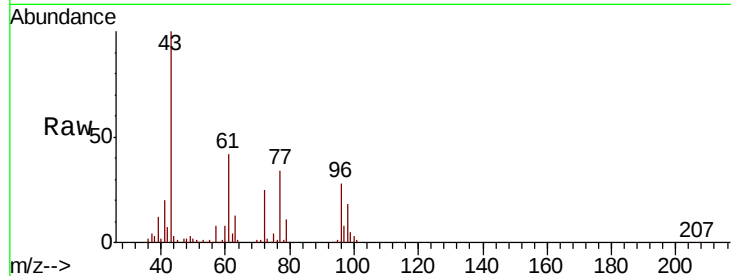
VN1113WBSD01

Tot Ion: 43 Resp: 329555

Ion Ratio Lower Upper

43 100

72 25.2 20.3 30.5



#26

2,2-Dichloropropane

Concen: 19.375 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059209.D

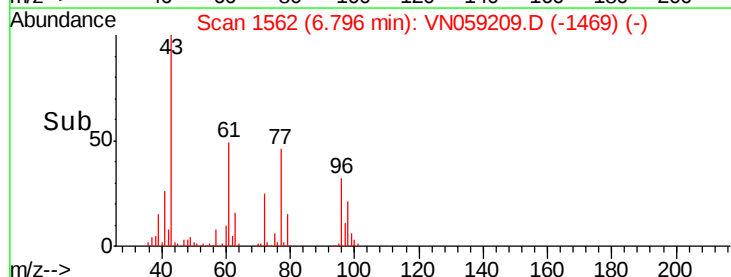
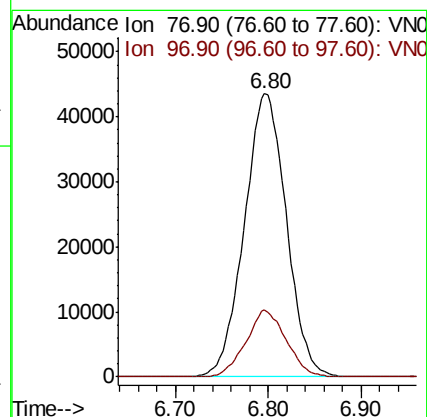
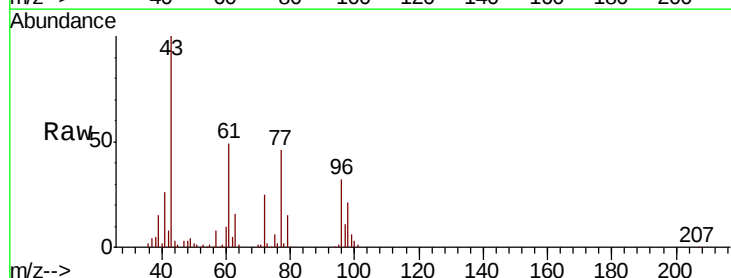
Acq: 13 Nov 2019 10:28

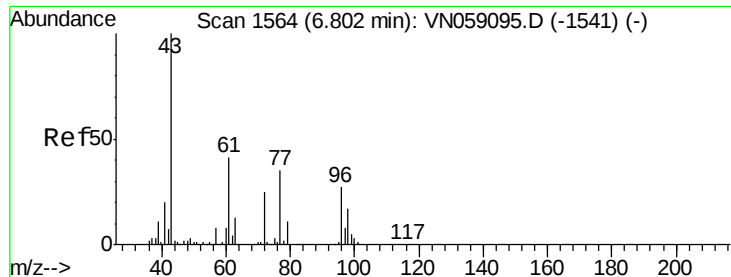
Tgt Ion: 77 Resp: 136876

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.742 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

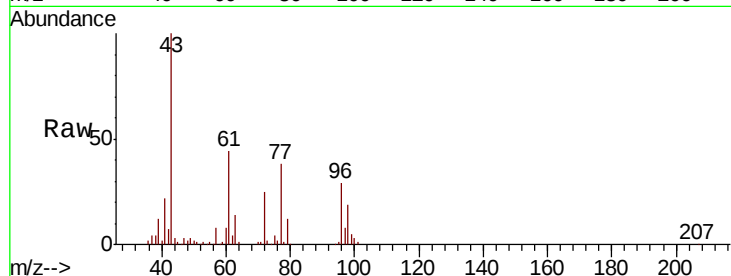
Tot Ion: 96 Resp: 91661

Ion Ratio Lower Upper

96 100

61 157.2 0.0 311.6

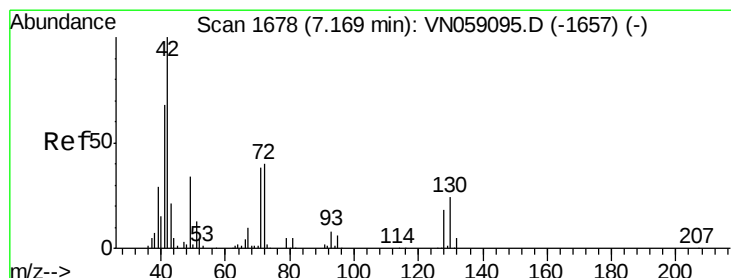
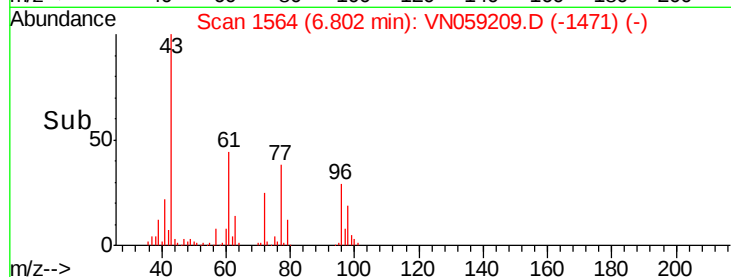
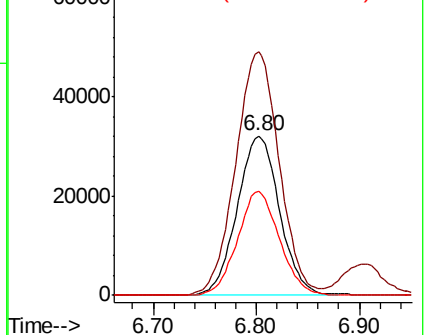
98 64.7 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059209.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059209.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059209.D (-1471) (-)



#28

Bromochloromethane

Concen: 20.477 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

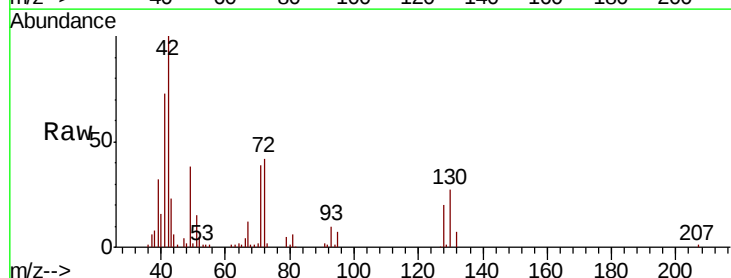
Tgt Ion: 49 Resp: 49773

Ion Ratio Lower Upper

49 100

129 0.6 0.0 3.8

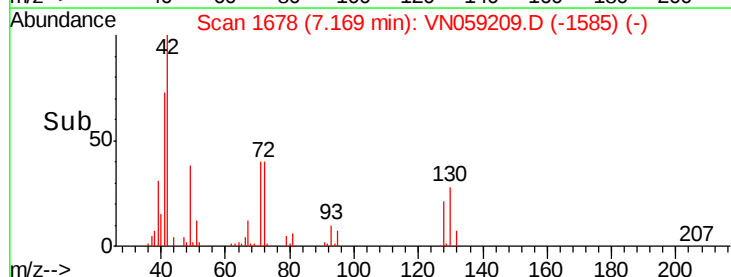
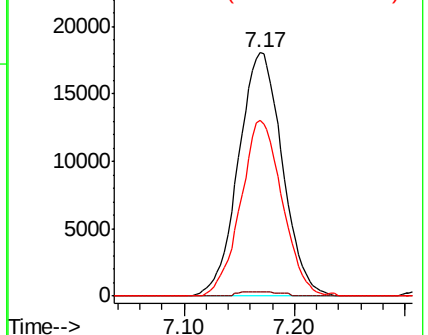
130 68.5 55.6 83.4

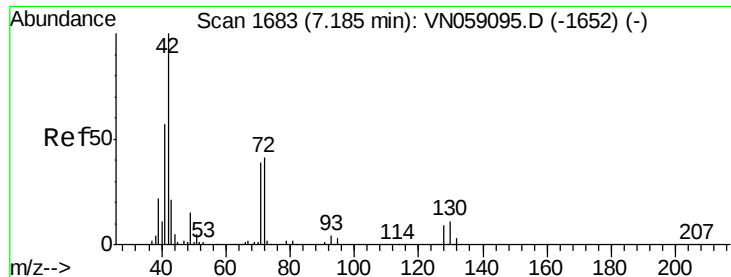


Abundance Ion 48.90 (48.60 to 49.60): VN059209.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059209.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059209.D (-1585) (-)

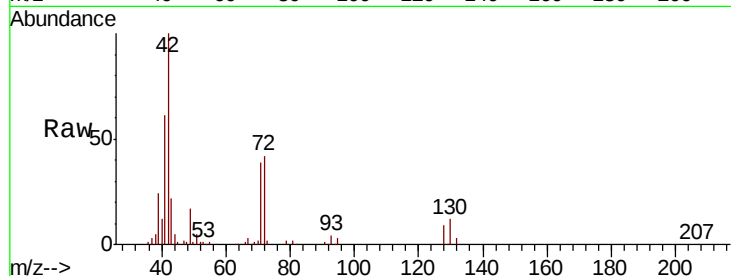




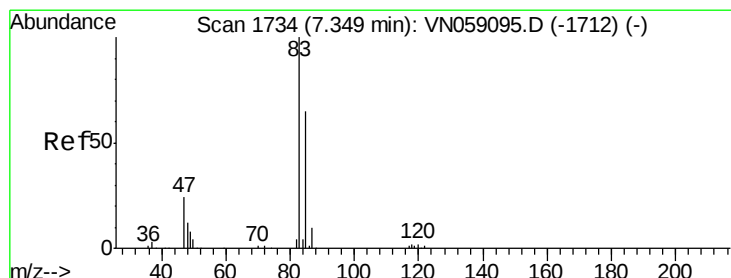
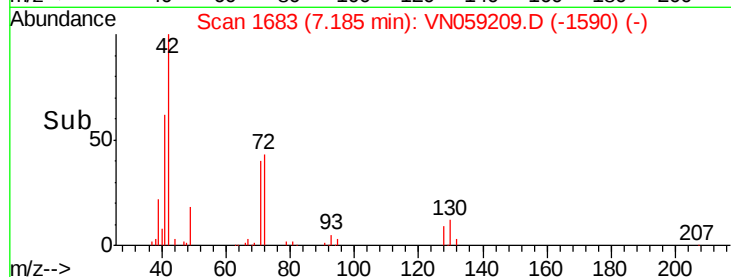
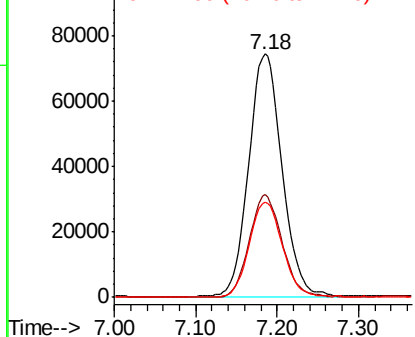
#29
Tetrahydrofuran
Concen: 98.618 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.8	30.9	46.3

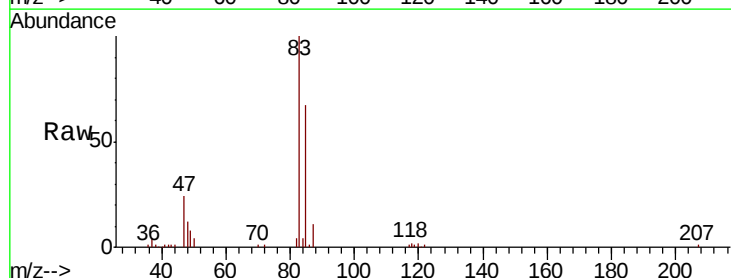


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

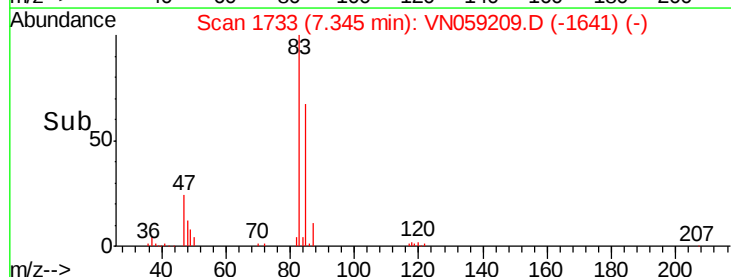
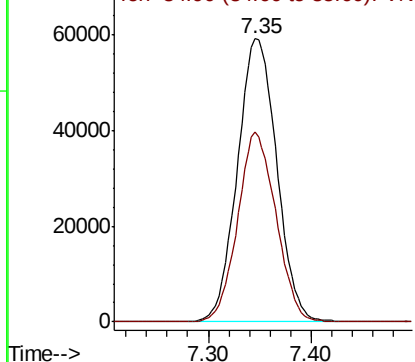


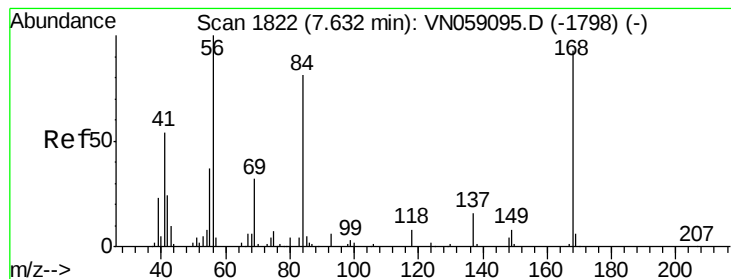
#30
Chloroform
Concen: 20.264 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.8	77.8



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





#31

Cyclohexane

Concen: 18.329 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

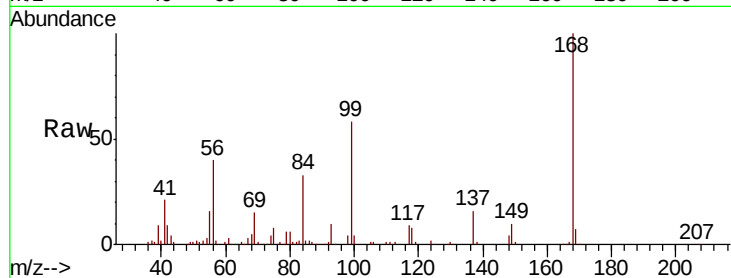
Tot Ion: 56 Resp: 140194

Ion Ratio Lower Upper

56 100

69 38.1 25.8 38.8

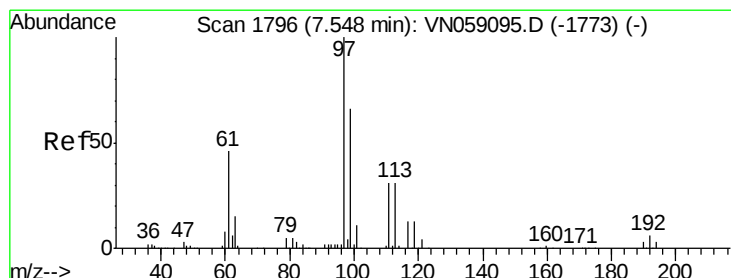
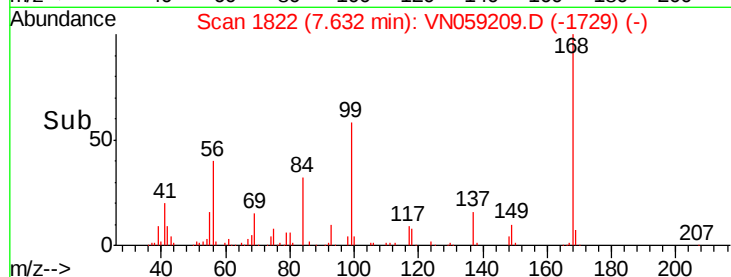
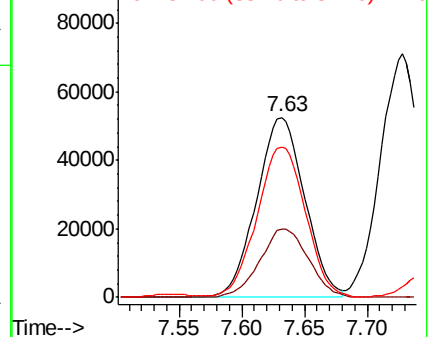
84 82.6 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN059209.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059209.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059209.D (-1798) (-)



#32

1,1,1-Trichloroethane

Concen: 20.101 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

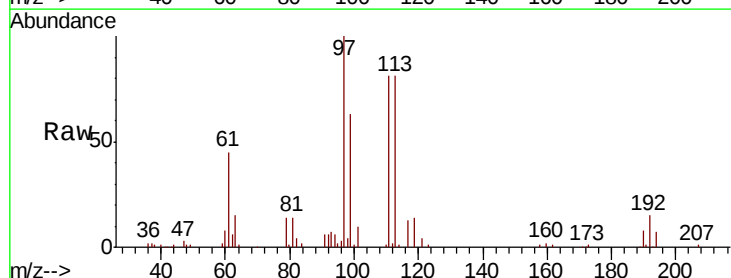
Tgt Ion: 97 Resp: 130982

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

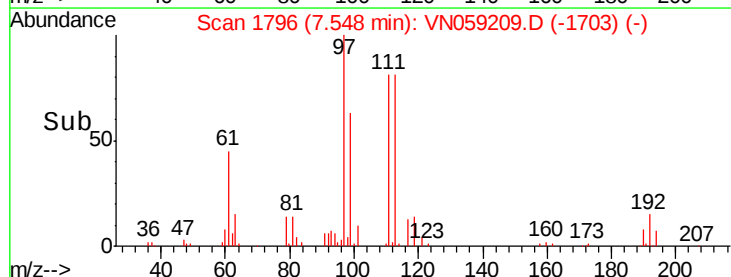
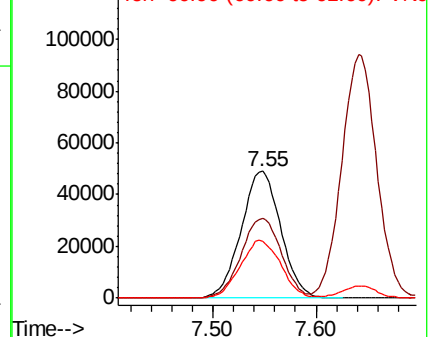
61 46.6 35.8 53.8

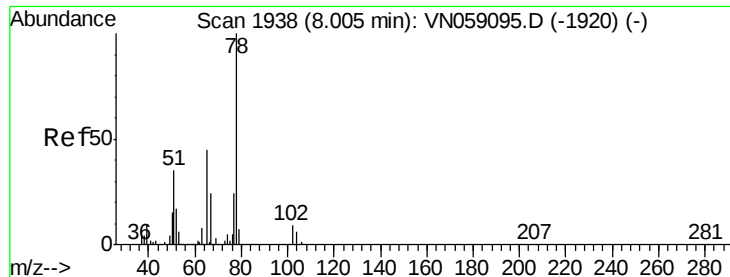


Abundance Ion 96.90 (96.60 to 97.60): VN059209.D (-1773) (-)

Ion 98.90 (98.60 to 99.60): VN059209.D (-1773) (-)

Ion 60.90 (60.60 to 61.60): VN059209.D (-1773) (-)

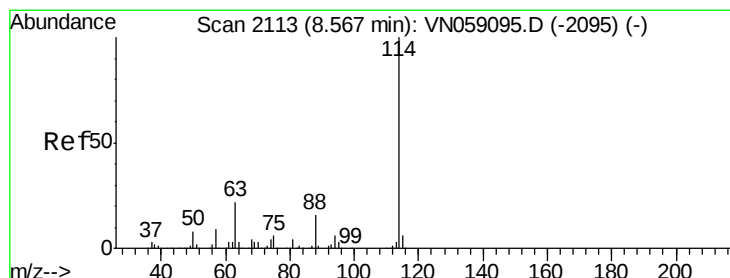
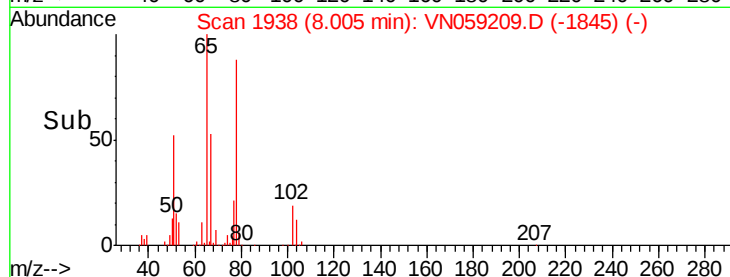
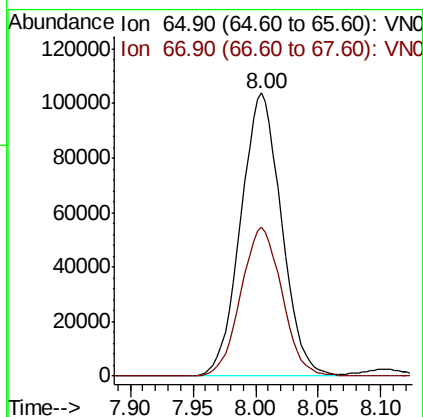
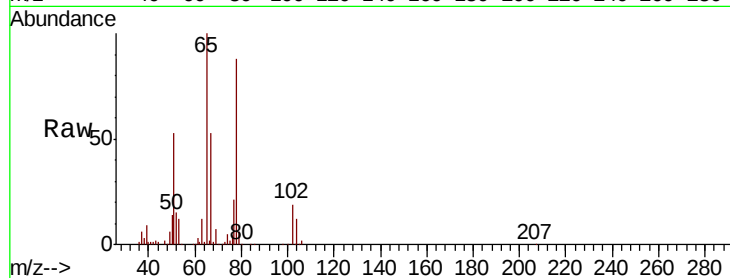




#33
 1,2-Dichloroethane-d4
 Concen: 47.895 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

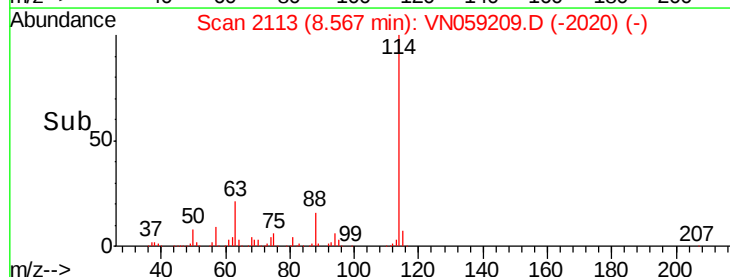
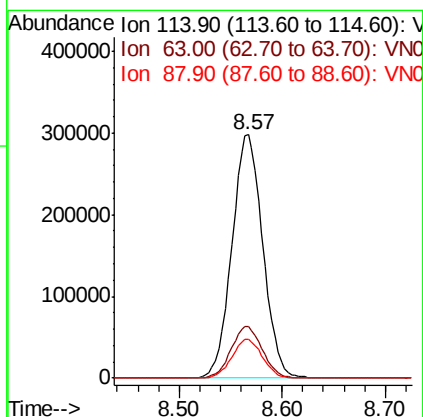
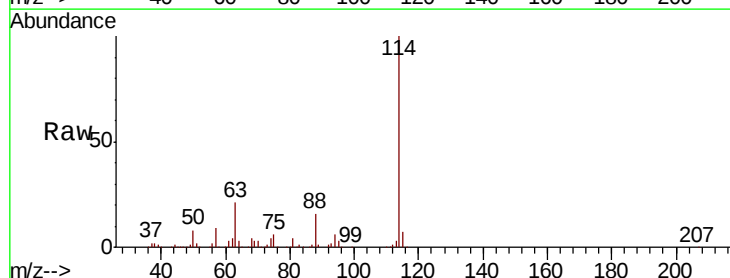
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

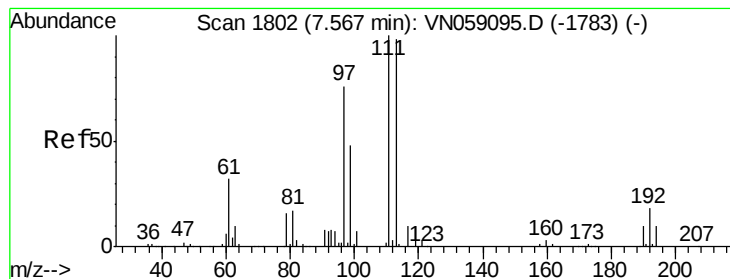
Tot Ion: 65 Resp: 235308
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

Tgt Ion: 114 Resp: 620851
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.931 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

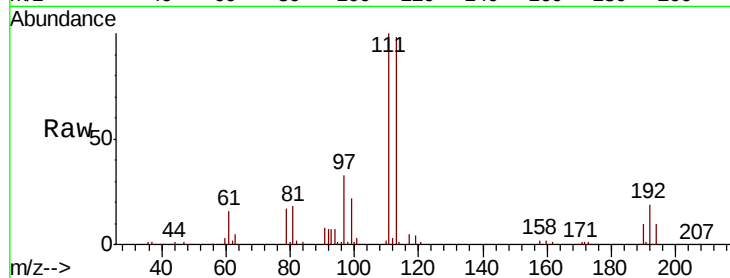
Tot Ion:113 Resp: 185097

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

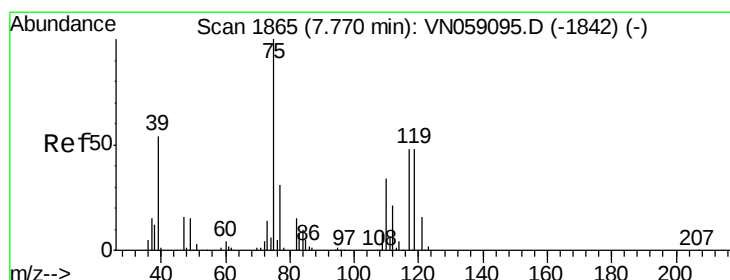
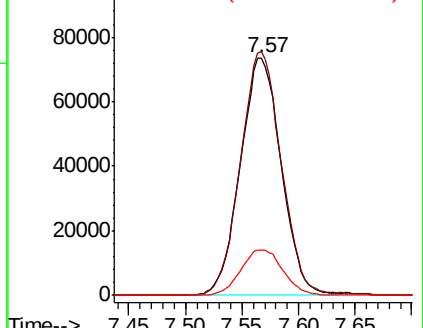
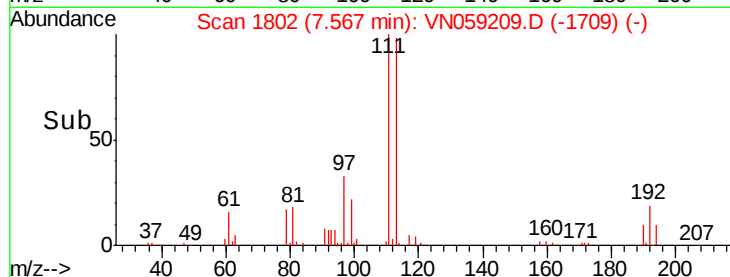
192 19.8 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.634 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

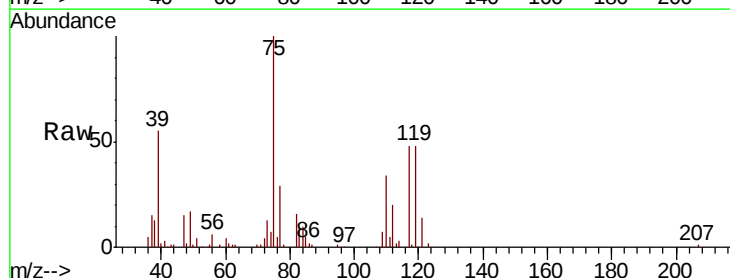
Tgt Ion: 75 Resp: 113938

Ion Ratio Lower Upper

75 100

110 33.9 17.1 51.2

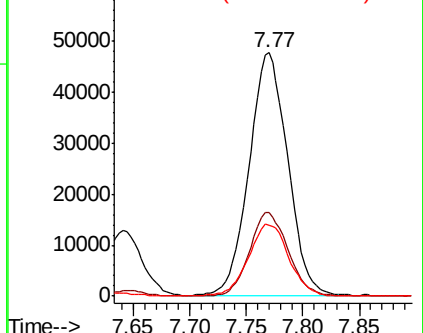
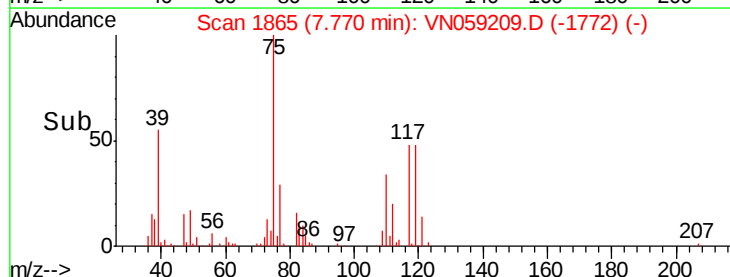
77 30.9 24.8 37.2

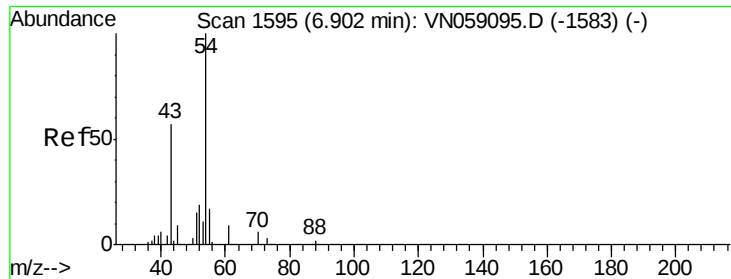


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

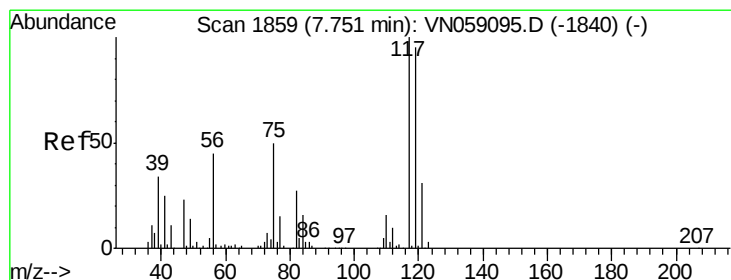
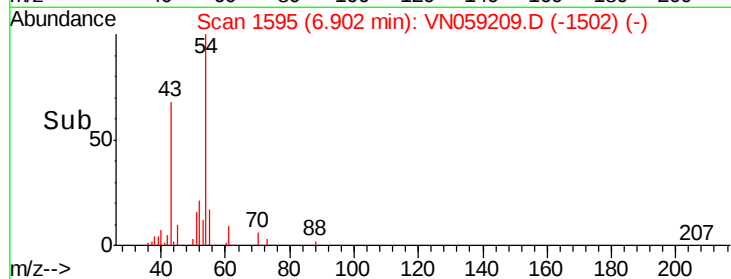
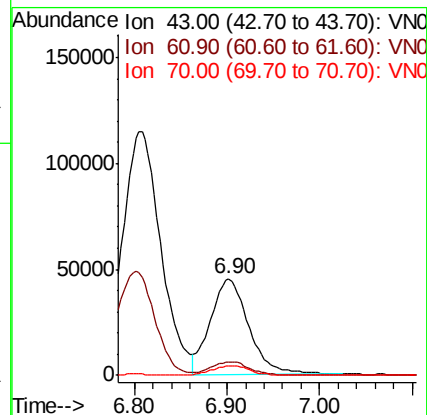
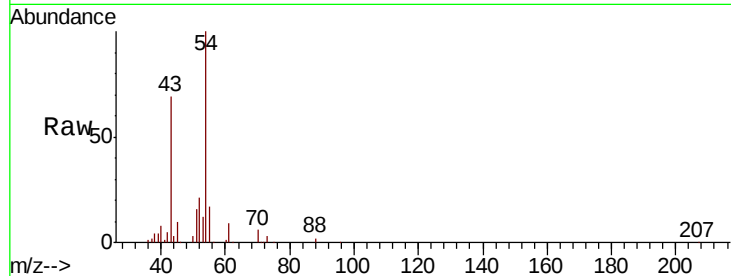




#37
Ethyl Acetate
Concen: 20.160 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

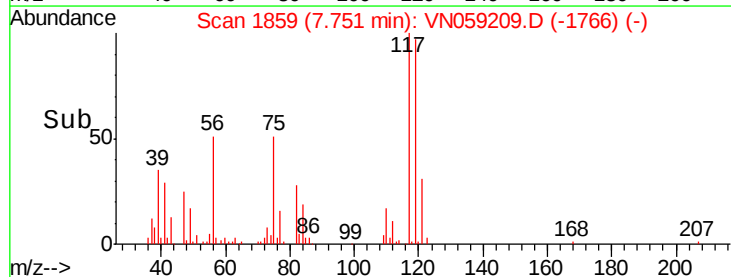
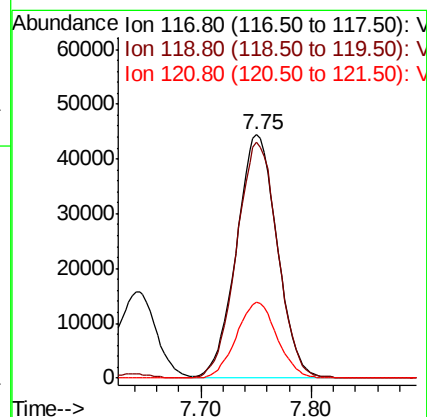
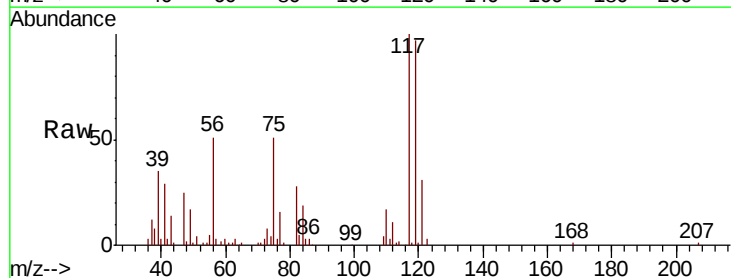
Instrument :
MSVOA_N
ClientSampled :
VN1113WBSD01

Tot Ion: 43 Resp: 130152
Ion Ratio Lower Upper
43 100
61 13.3 11.2 16.8
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.697 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion: 117 Resp: 113767
Ion Ratio Lower Upper
117 100
119 96.9 75.6 113.4
121 31.2 24.6 36.8

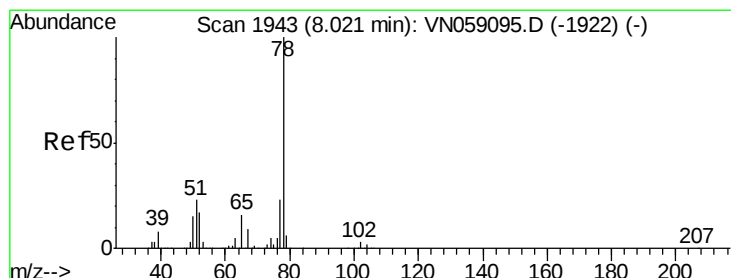
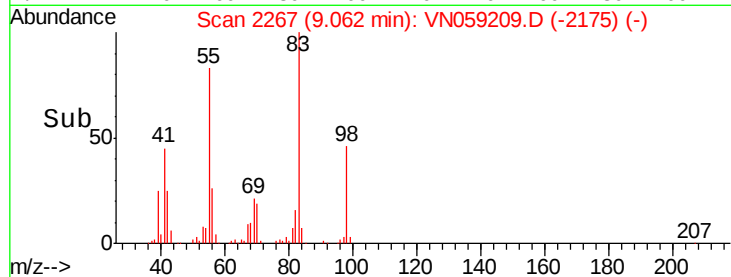
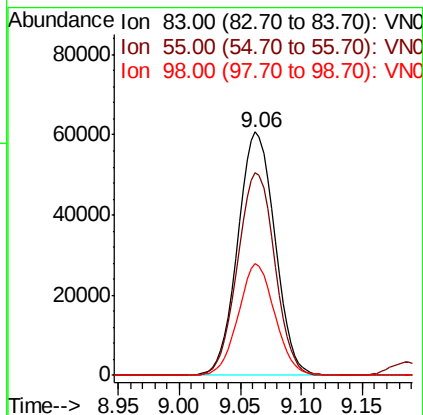
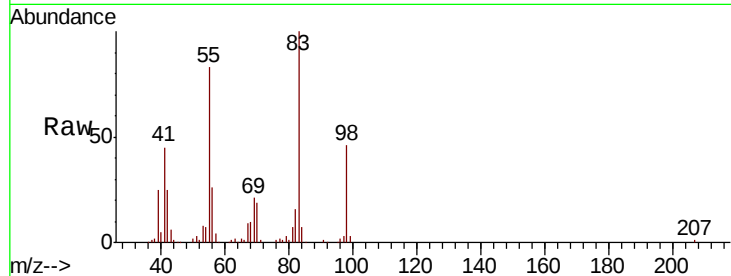




#39
Methvlcvclohexane
Concen: 18.981 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

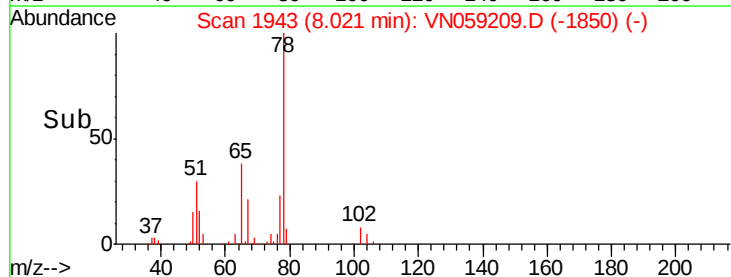
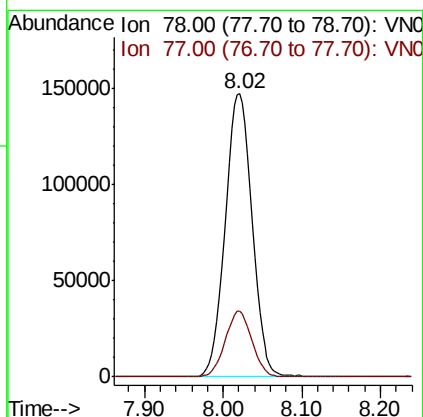
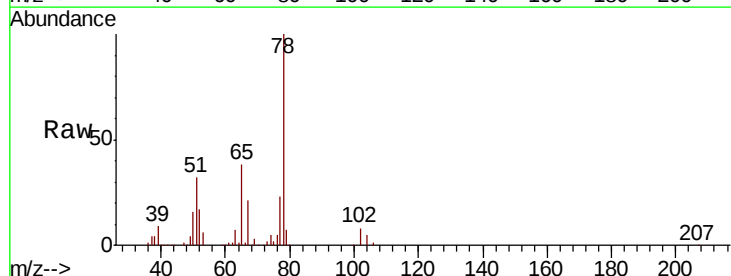
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

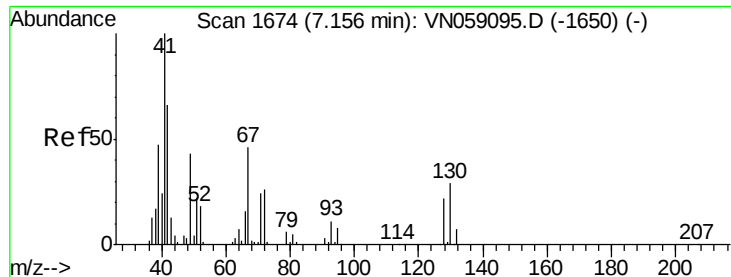
Tot Ion: 83 Resp: 127840
Ion Ratio Lower Upper
83 100
55 83.3 63.9 95.9
98 45.7 35.6 53.4



#40
Benzene
Concen: 19.836 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion: 78 Resp: 346642
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

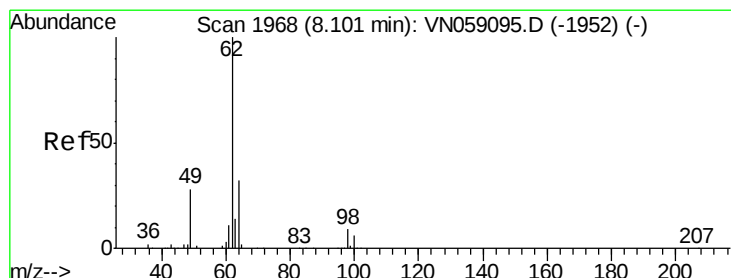
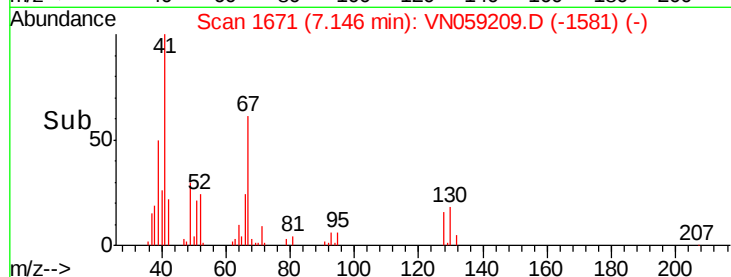
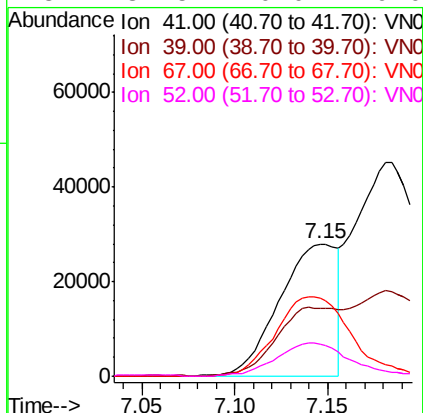
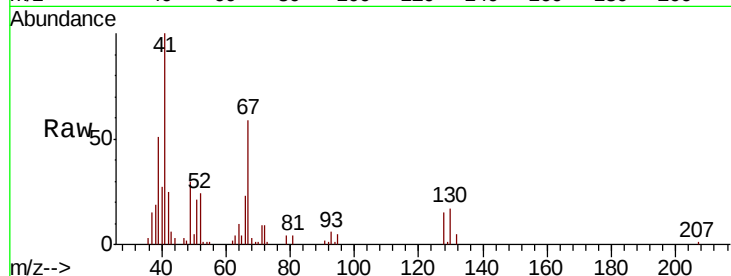




#41
Methacrylonitrile
Concen: 21.670 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

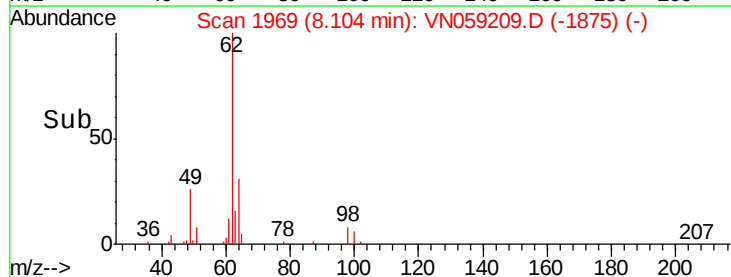
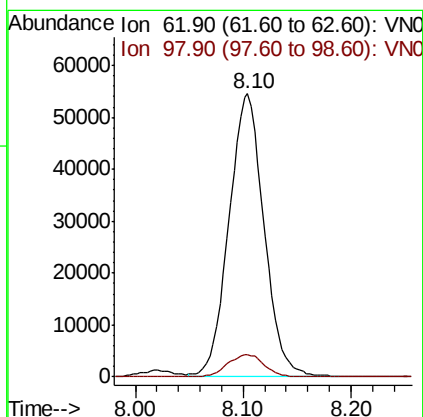
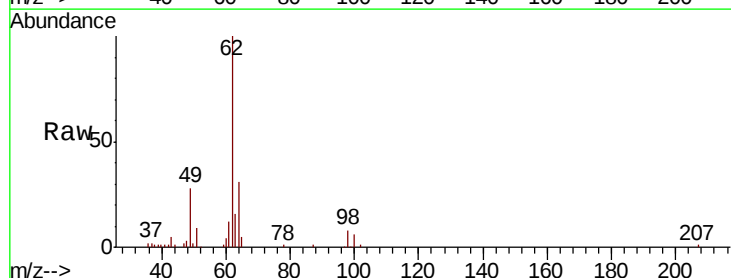
Instrument :
MSVOA_N
ClientSampled :
VN1113WBSD01

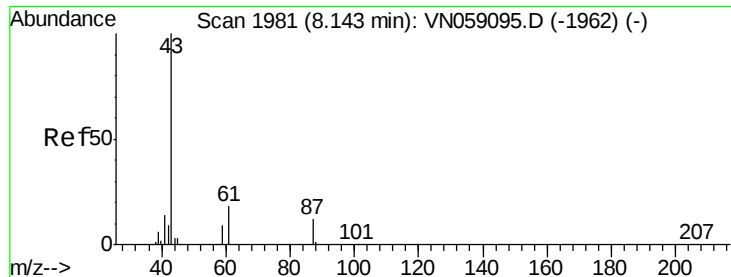
Tot Ion:	41	Resp:	60833
Ion	Ratio	Lower	Upper
41	100		
39	53.5	0.0	0.0#
67	79.3	0.0	0.0#
52	32.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 20.468 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion:	62	Resp:	122678
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8

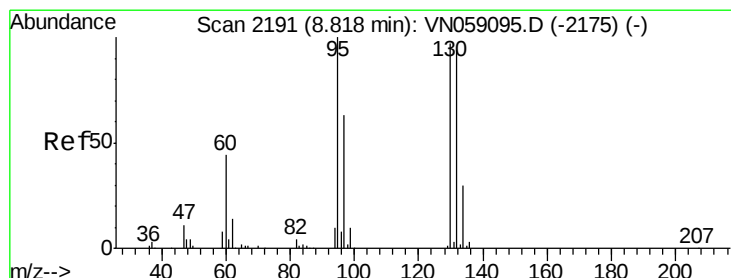
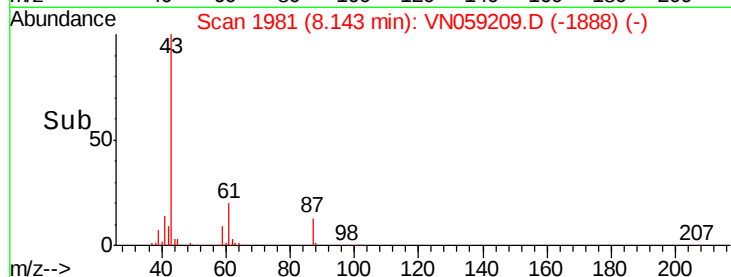
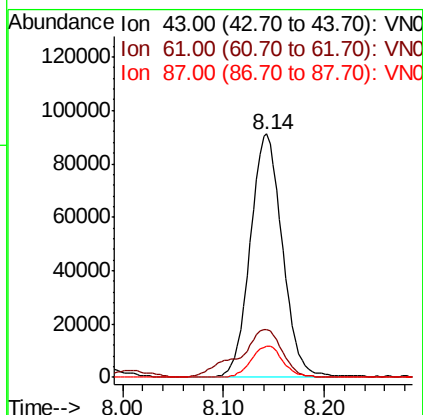
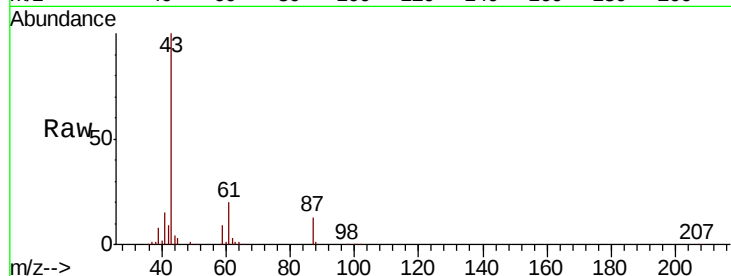




#43
Isopropyl Acetate
Concen: 19.342 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

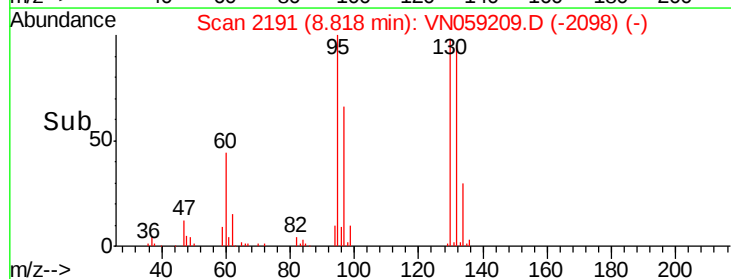
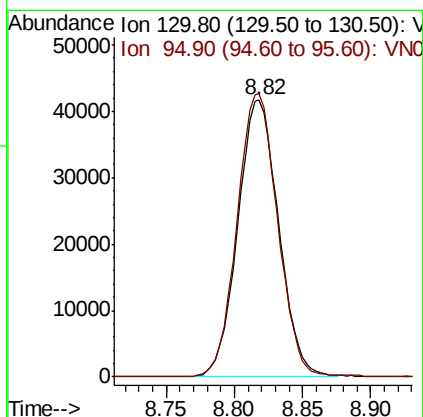
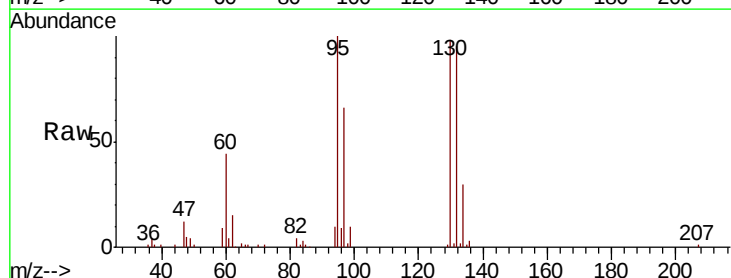
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

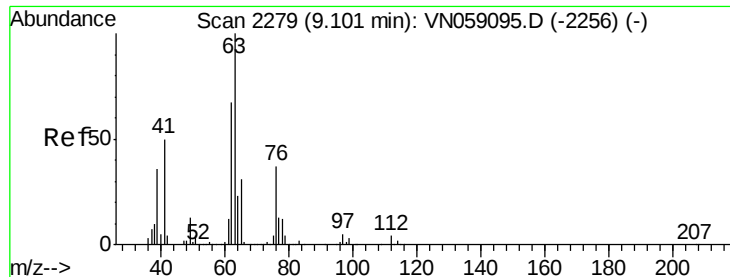
Tot Ion: 43 Resp: 199072
Ion Ratio Lower Upper
43 100
61 26.9 21.0 31.6
87 12.9 9.8 14.6



#44
Trichloroethene
Concen: 20.171 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion:130 Resp: 86649
Ion Ratio Lower Upper
130 100
95 102.2 0.0 206.4





#45

1,2-Dichloropropane

Concen: 20.376 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

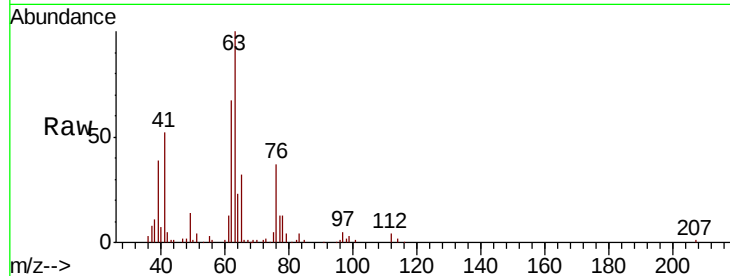
VN1113WBSD01

Tot Ion: 63 Resp: 96716

Ion Ratio Lower Upper

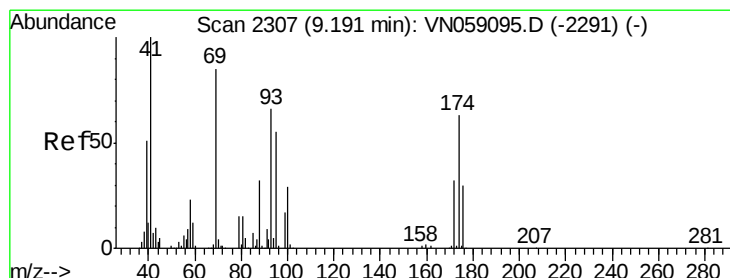
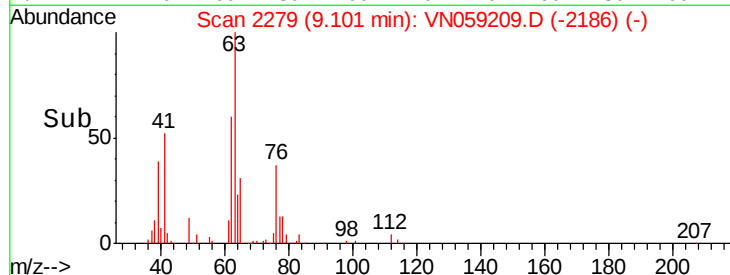
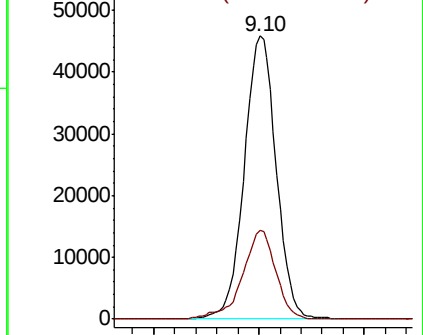
63 100

65 31.5 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.880 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

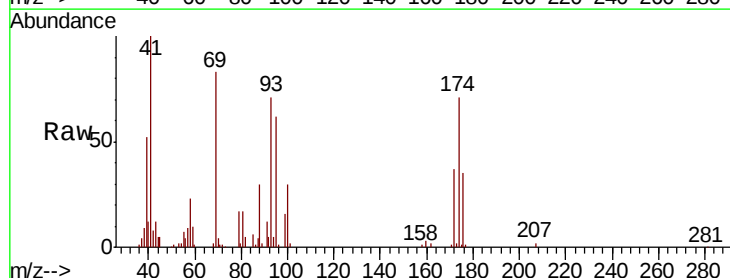
Tgt Ion: 93 Resp: 58803

Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

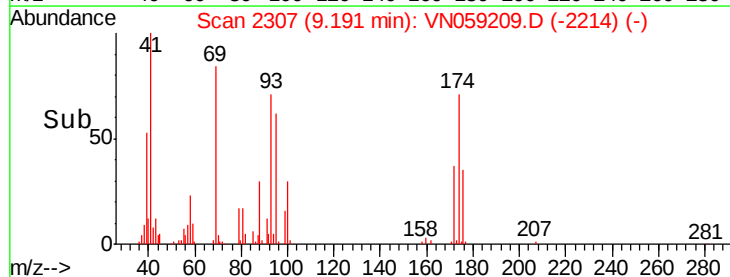
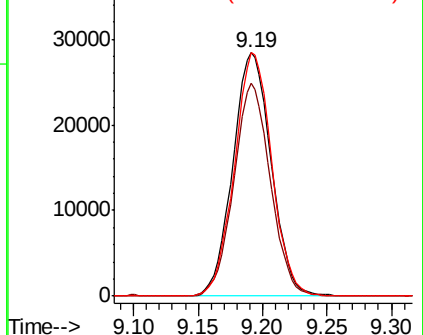
174 97.1 78.2 117.2

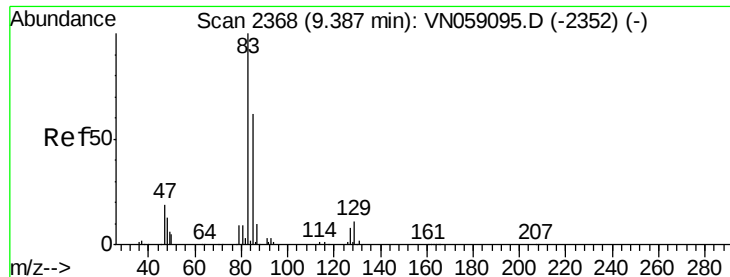


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.616 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

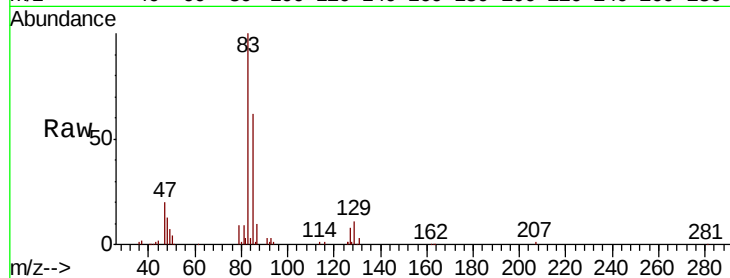
Tot Ion: 83 Resp: 121763

Ion Ratio Lower Upper

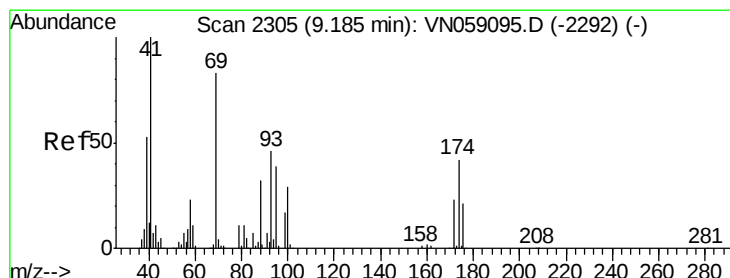
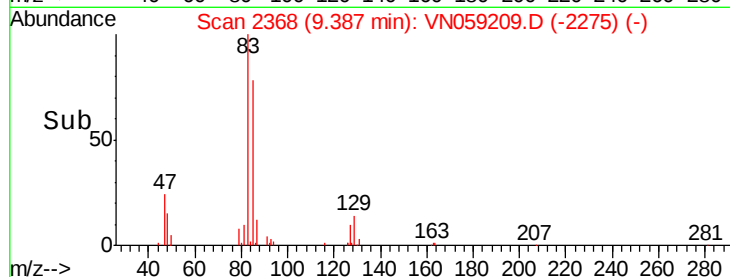
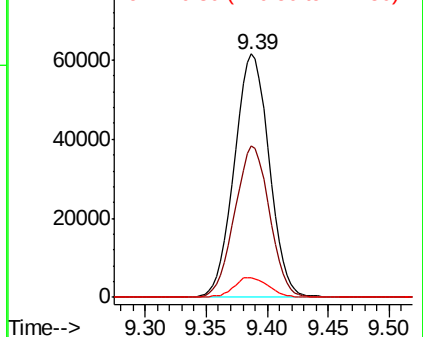
83 100

85 62.3 49.7 74.5

127 8.1 6.4 9.6



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



#48

Methyl methacrylate

Concen: 19.115 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

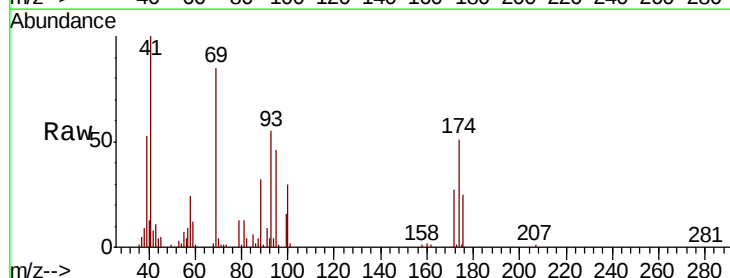
Tgt Ion: 41 Resp: 87997

Ion Ratio Lower Upper

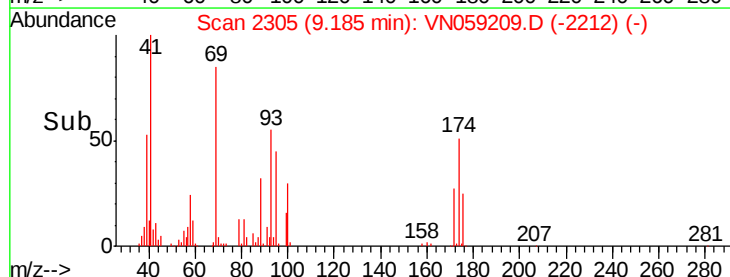
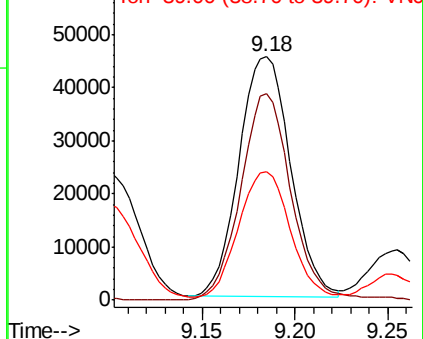
41 100

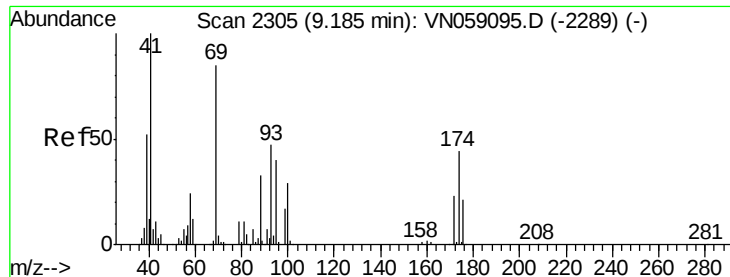
69 84.4 67.3 100.9

39 54.0 43.3 64.9



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

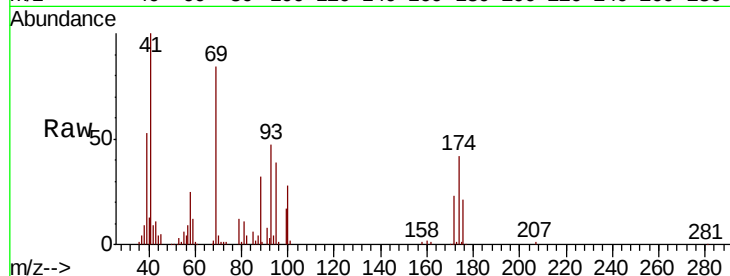




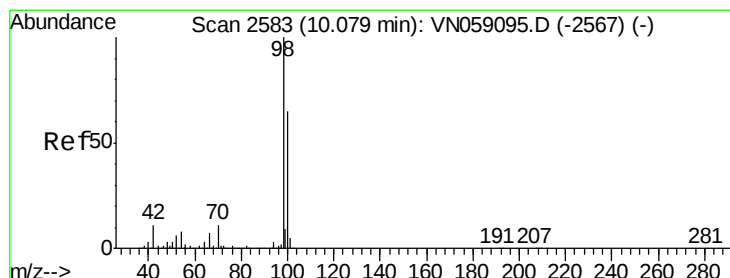
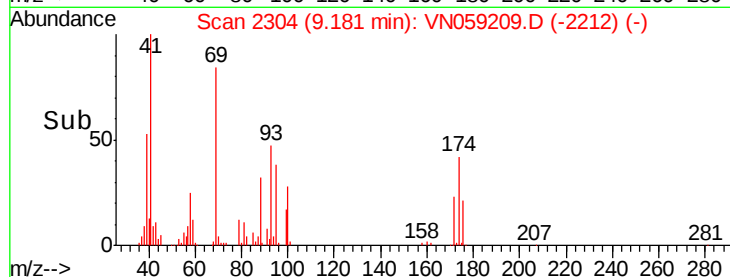
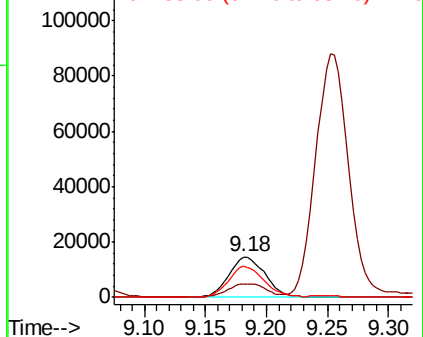
#49
1,4-Dioxane
Concen: 372.063 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 88 Resp: 30440
Ion Ratio Lower Upper
88 100
43 35.9 26.3 39.5
58 75.4 60.6 90.8

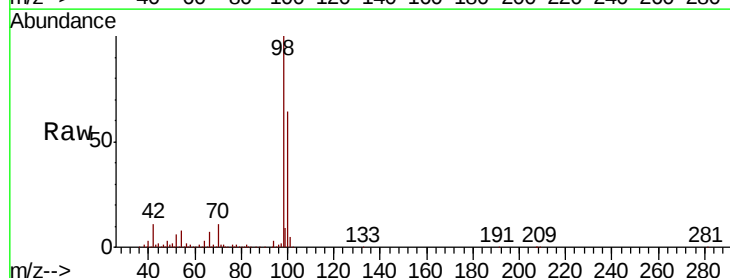


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

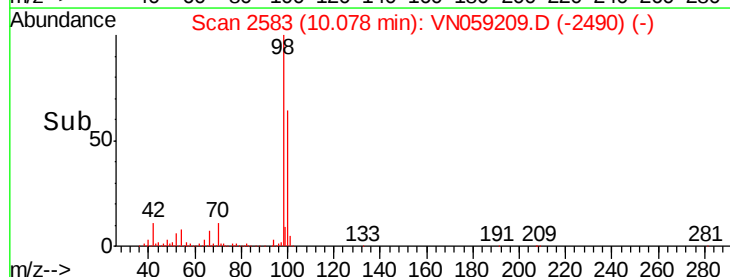
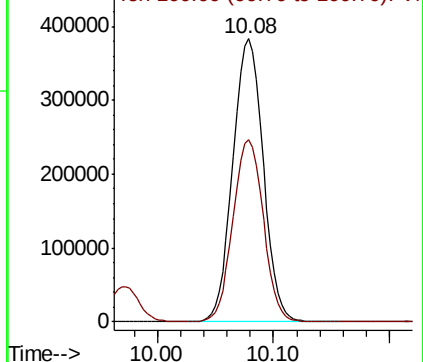


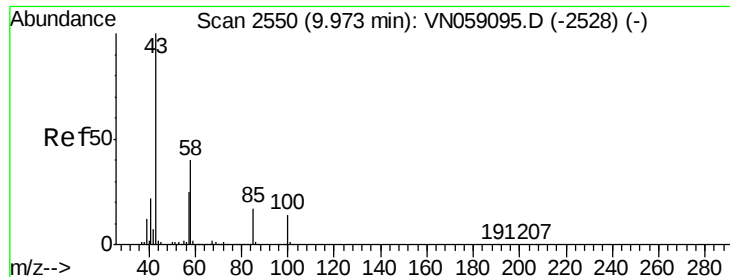
#50
Toluene-d8
Concen: 47.881 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion: 98 Resp: 699156
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 107.917 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

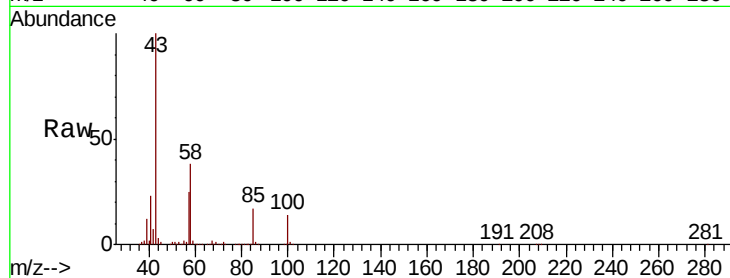
VN1113WBSD01

Tot Ion: 43 Resp: 628466

Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

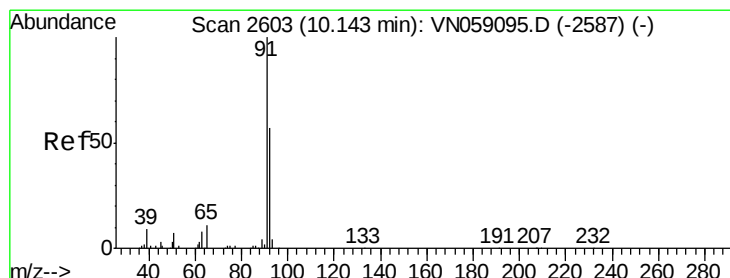
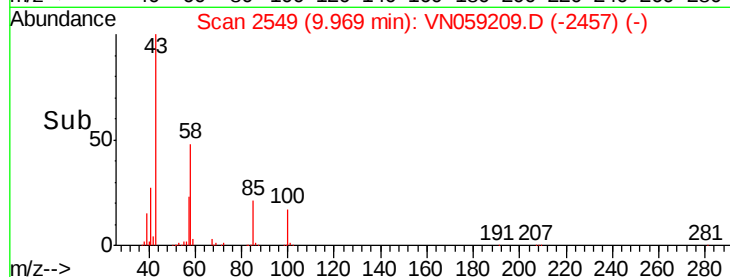
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.958 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059209.D

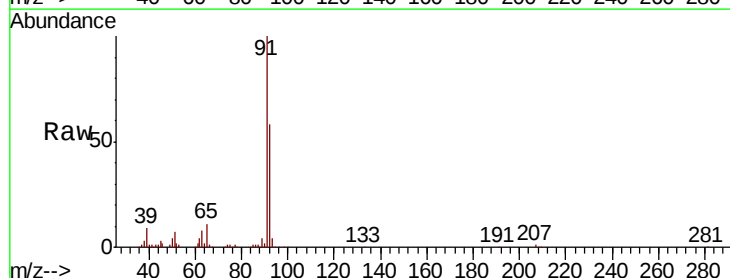
Acq: 13 Nov 2019 10:28

Tgt Ion: 92 Resp: 209048

Ion Ratio Lower Upper

92 100

91 174.0 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.14

200000

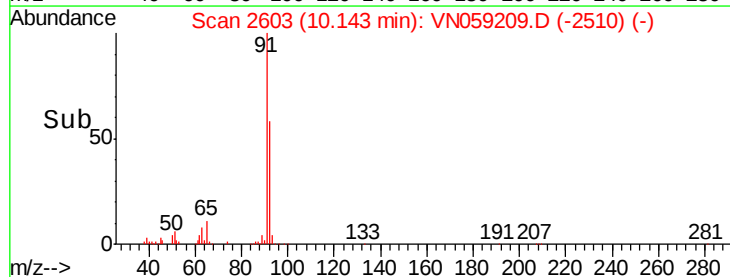
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.507 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

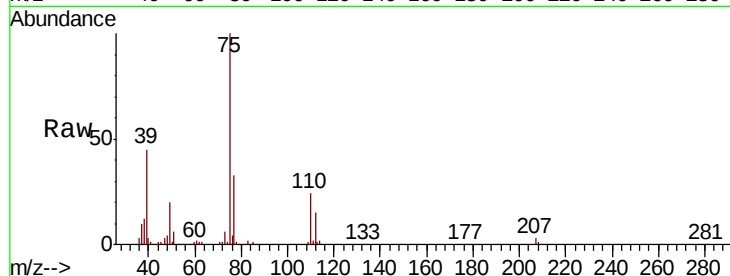
VN1113WBSD01

Tot Ion: 75 Resp: 133112

Ion Ratio Lower Upper

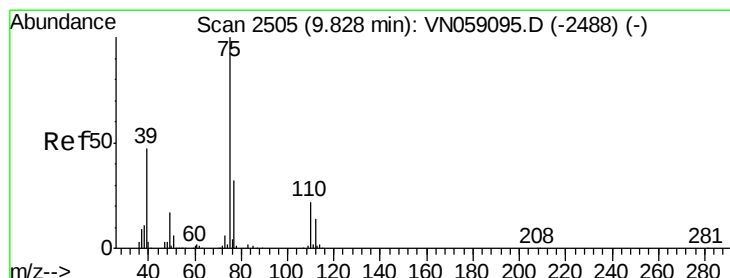
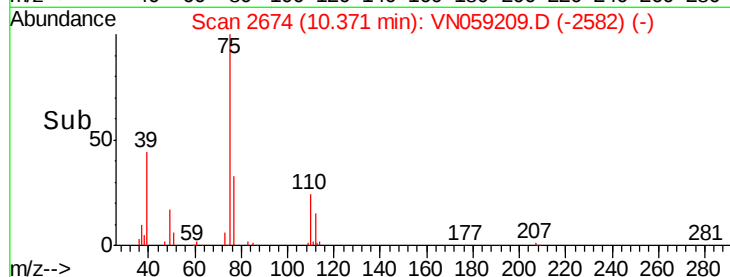
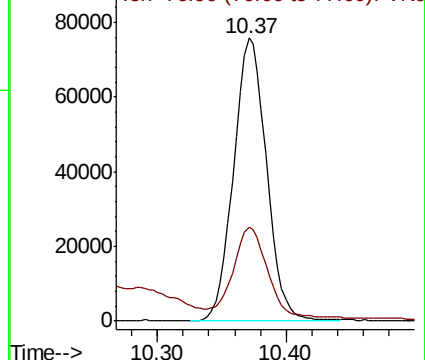
75 100

77 31.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.053 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

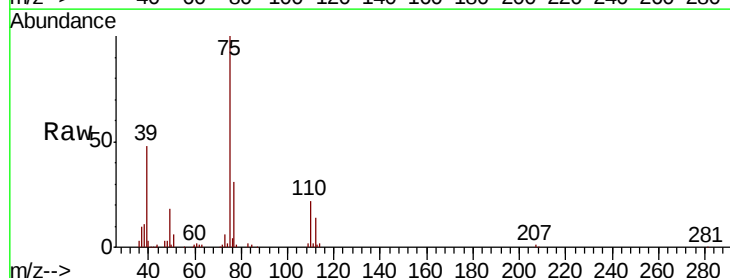
Tgt Ion: 75 Resp: 147188

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

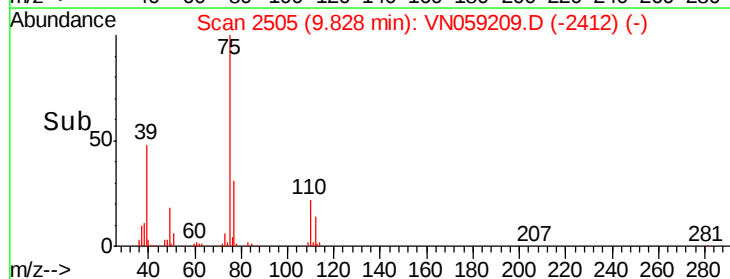
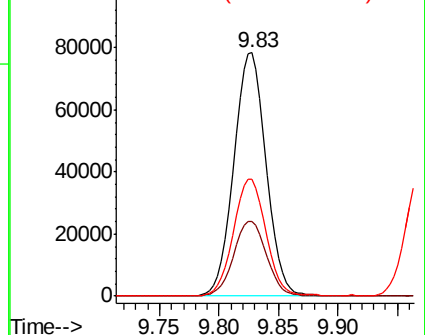
39 47.6 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.494 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 97 Resp: 86872

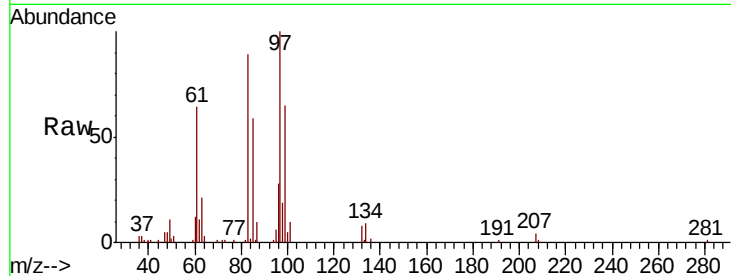
Ion Ratio Lower Upper

97 100

83 88.9 71.0 106.4

85 58.6 45.8 68.8

99 64.6 49.4 74.0

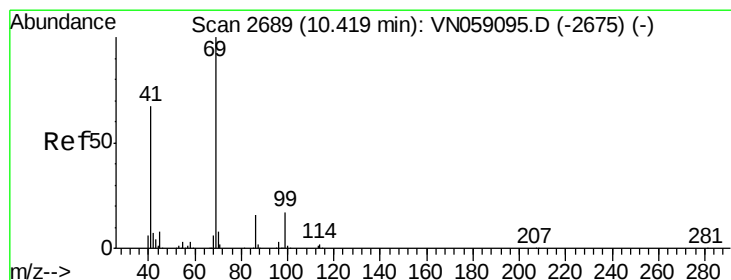
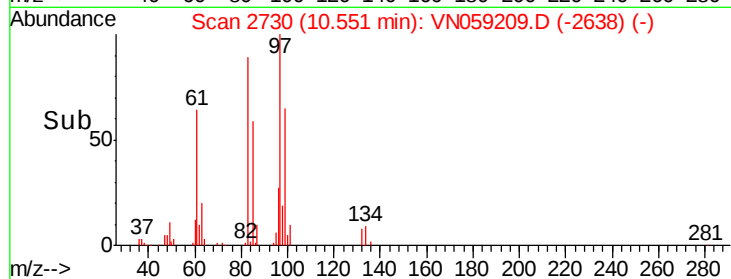
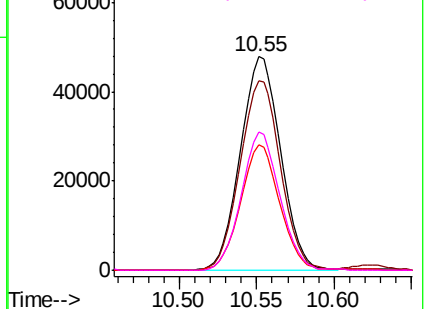


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.738 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

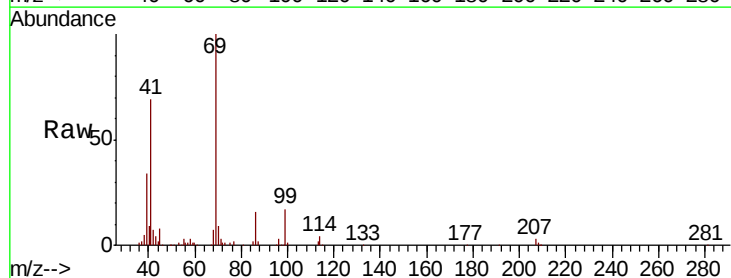
Tgt Ion: 69 Resp: 123875

Ion Ratio Lower Upper

69 100

41 66.1 53.6 80.4

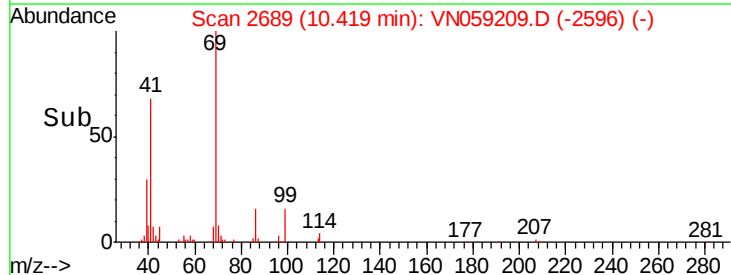
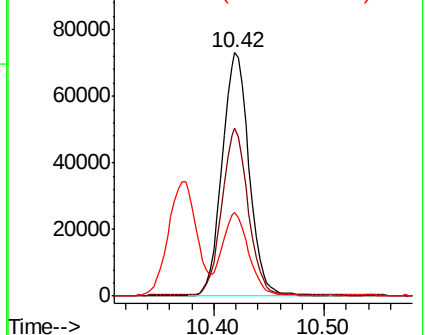
39 33.7 26.2 39.4

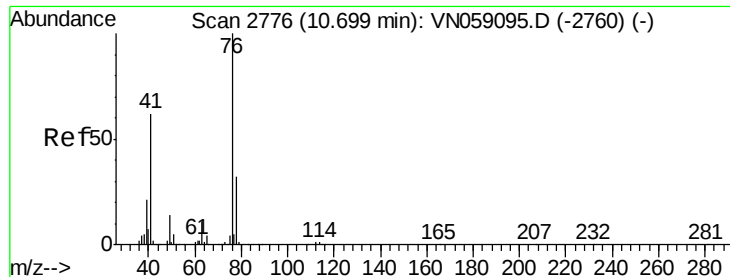


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.566 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

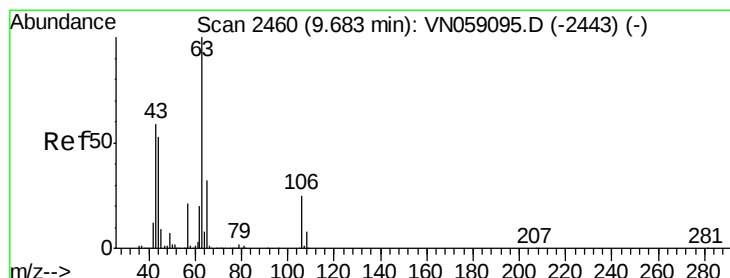
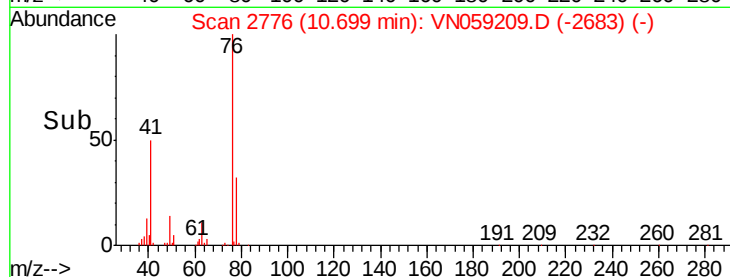
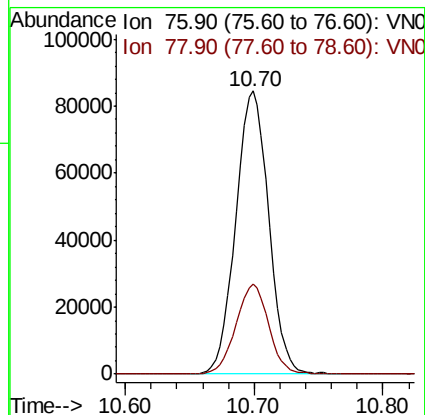
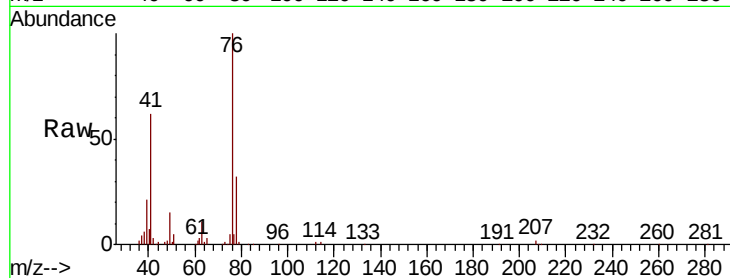
VN1113WBSD01

Tot Ion: 76 Resp: 150046

Ion Ratio Lower Upper

76 100

78 31.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 104.321 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059209.D

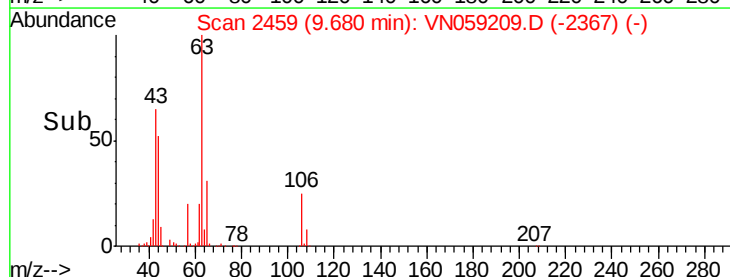
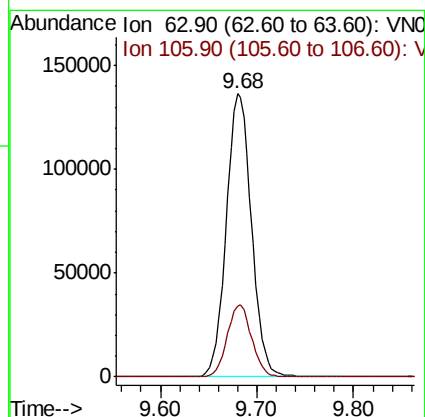
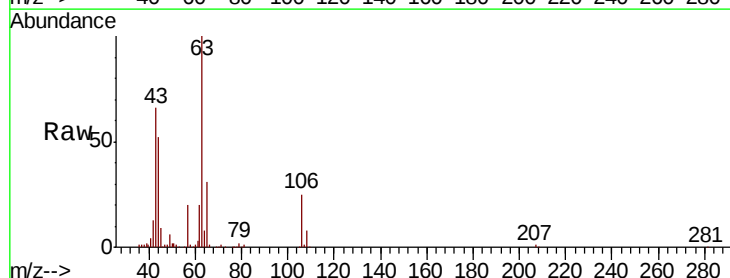
Acq: 13 Nov 2019 10:28

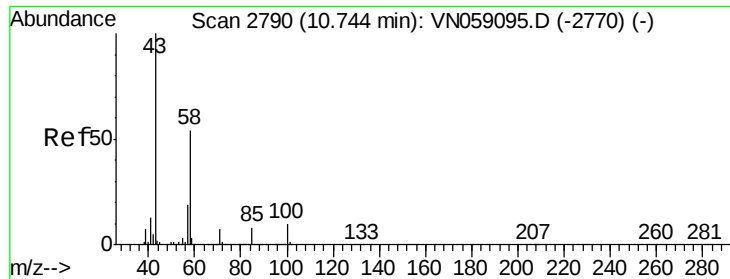
Tgt Ion: 63 Resp: 246105

Ion Ratio Lower Upper

63 100

106 24.9 20.2 30.2

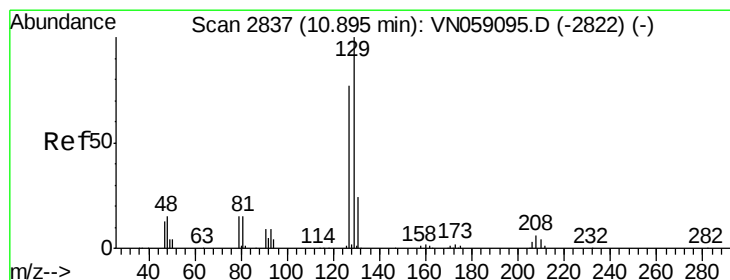
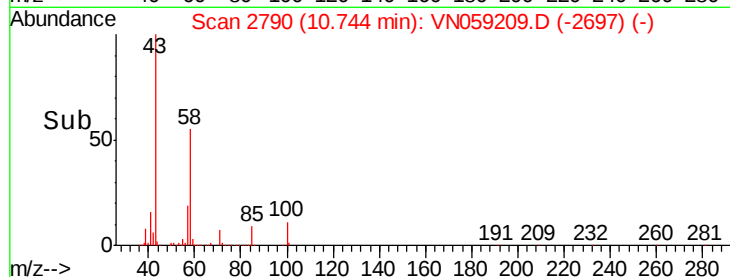
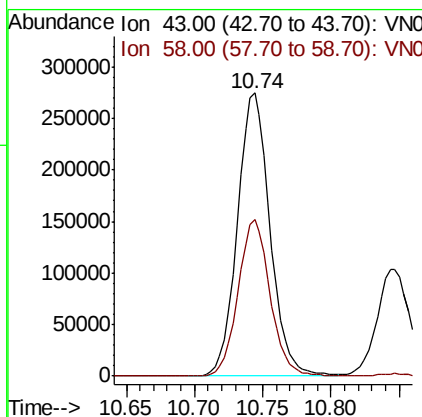
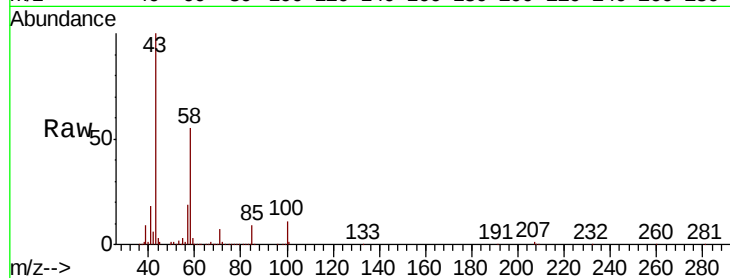




#59
2-Hexanone
Concen: 101.618 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

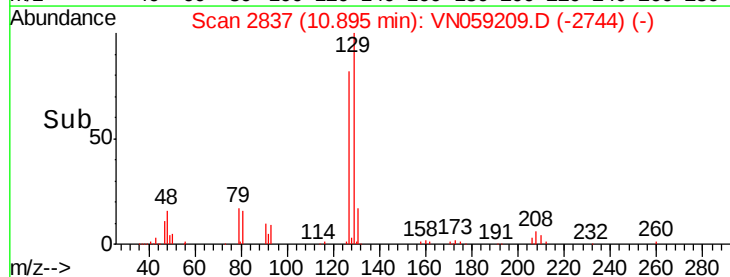
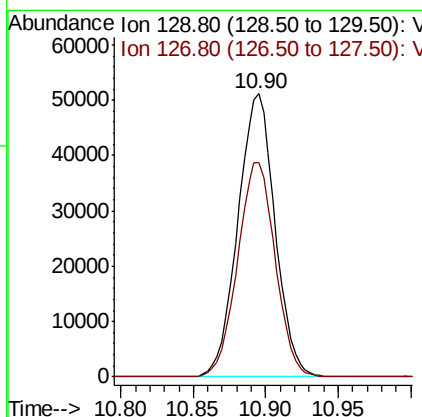
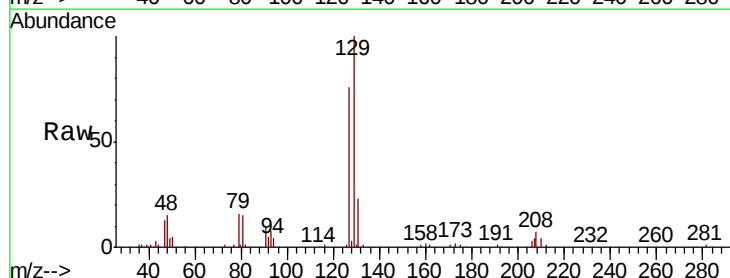
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

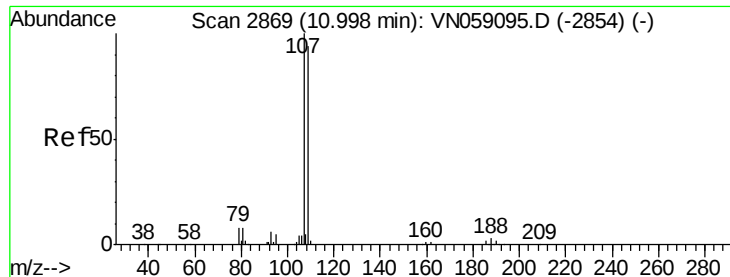
Tot Ion: 43 Resp: 454221
Ion Ratio Lower Upper
43 100
58 54.4 27.3 81.8



#60
Dibromochloromethane
Concen: 20.304 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion: 129 Resp: 91001
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

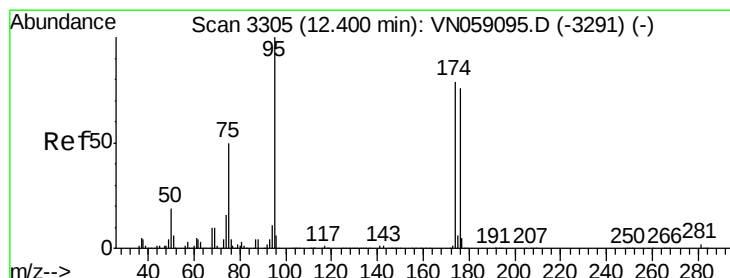
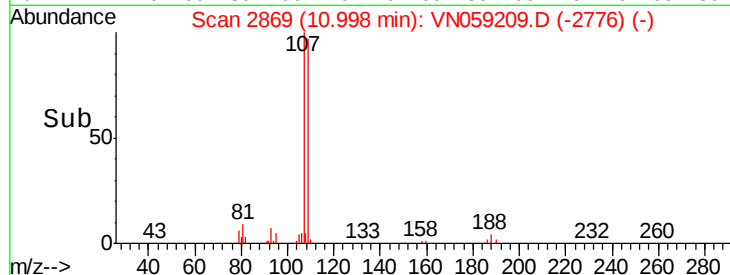
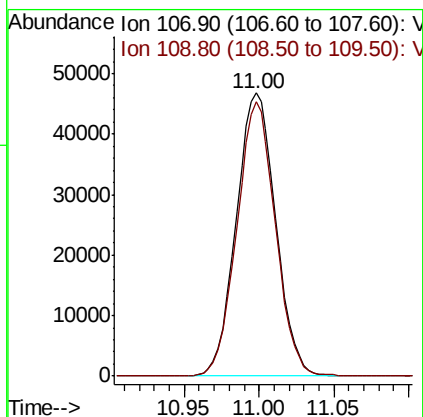
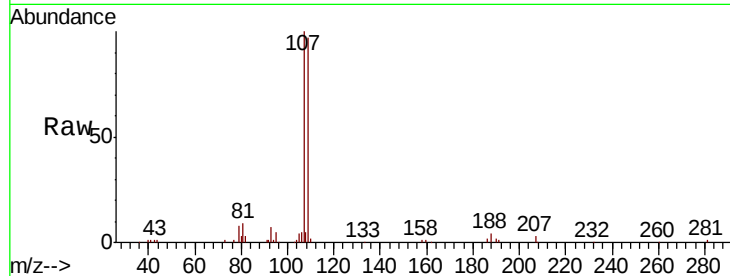




#61
 1,2-Dibromoethane
 Concen: 19.978 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

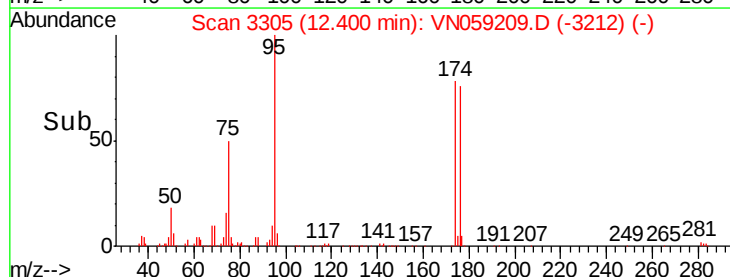
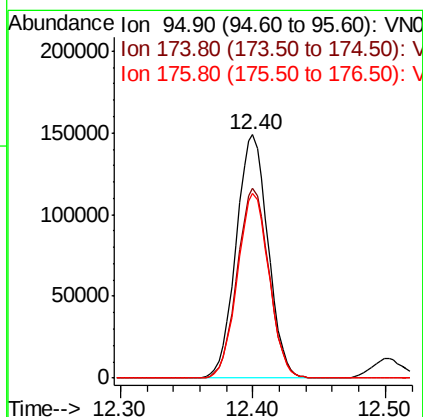
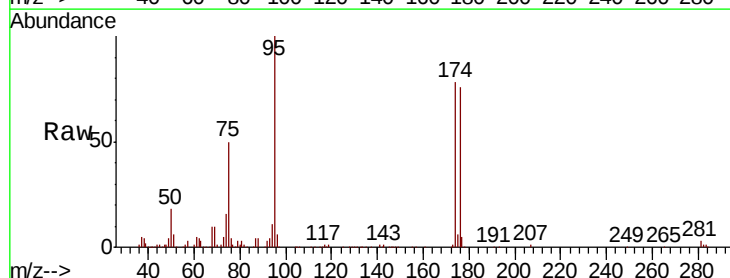
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion: 107 Resp: 85729
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 47.261 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

Tgt Ion: 95 Resp: 248826
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 158.2
 176 75.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

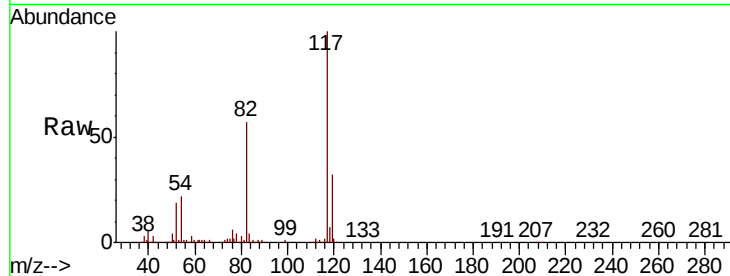
Tot Ion:117 Resp: 556179

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.8

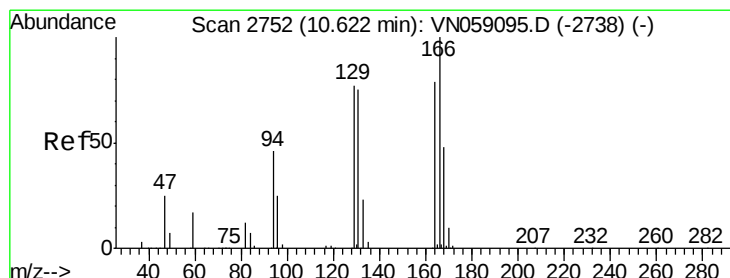
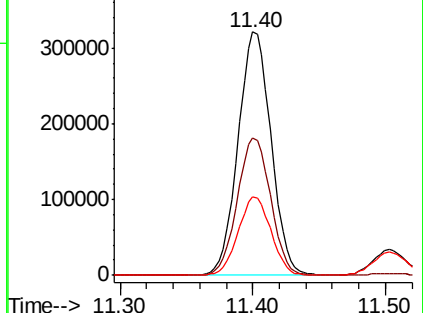
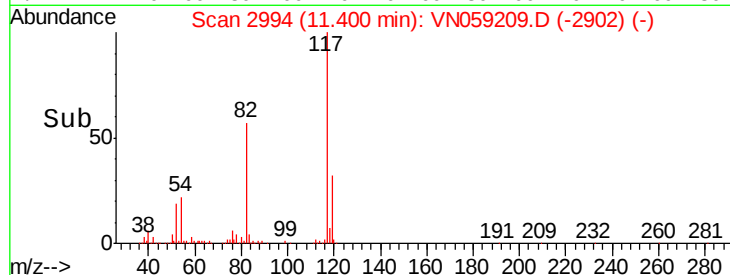
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.780 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Tgt Ion:164 Resp: 74806

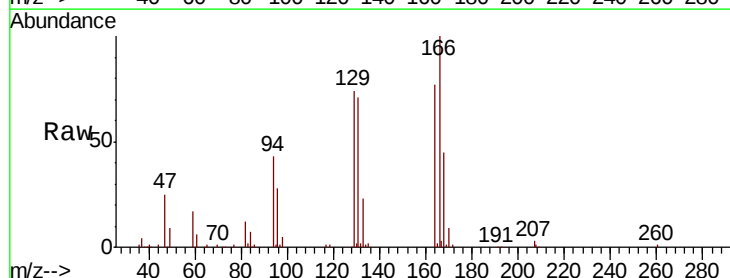
Ion Ratio Lower Upper

164 100

166 129.1 101.5 152.3

129 94.9 78.3 117.5

131 91.7 75.9 113.9

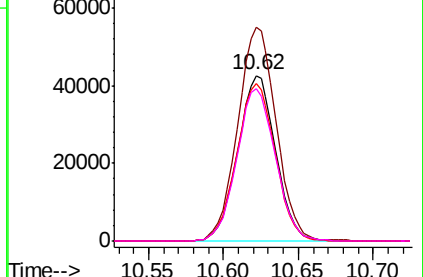
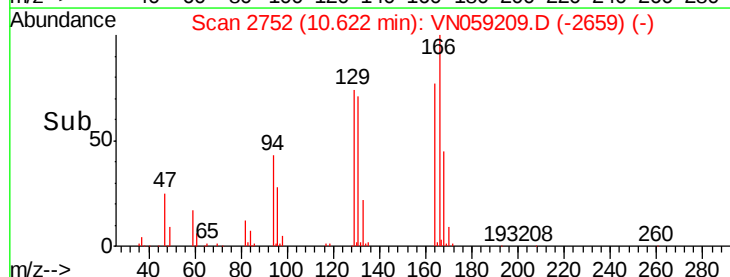


Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.376 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

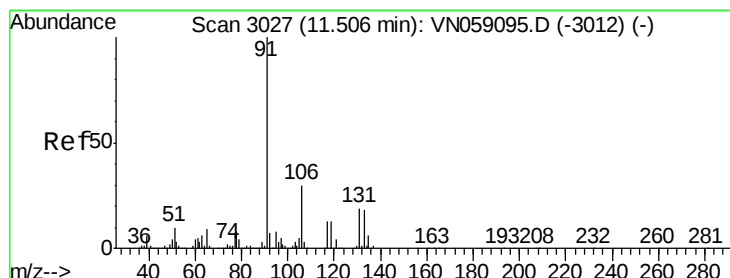
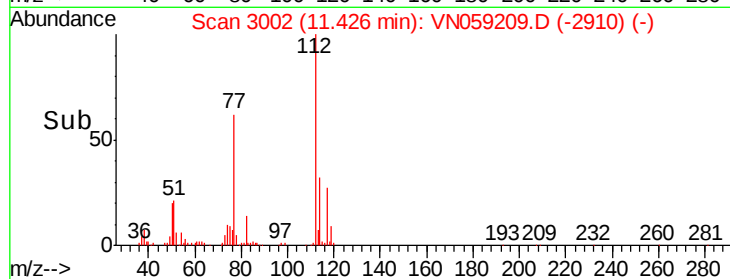
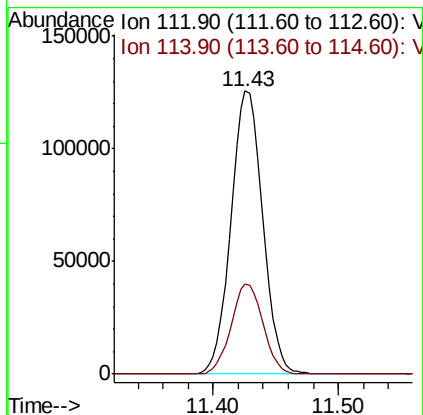
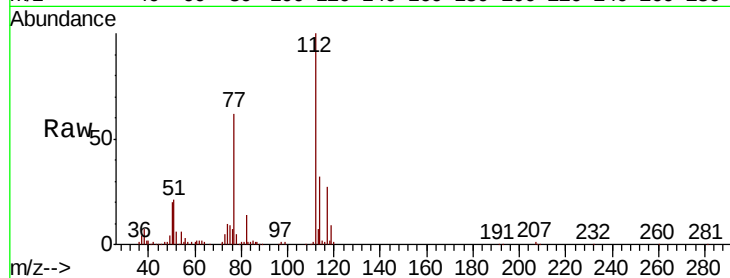
VN1113WBSD01

Tot Ion:112 Resp: 220916

Ion Ratio Lower Upper

112 100

114 31.9 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 21.031 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

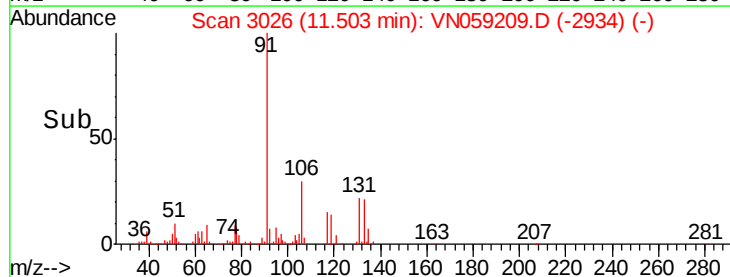
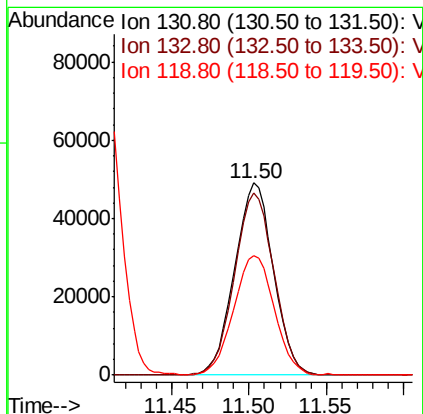
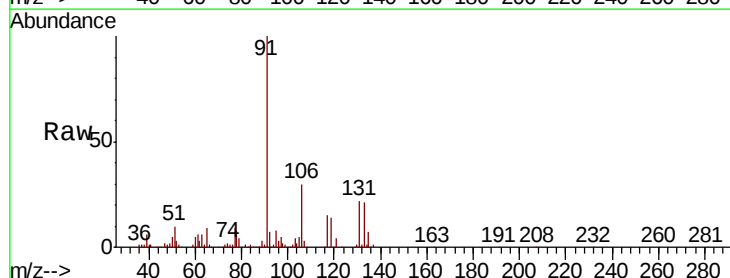
Tgt Ion:131 Resp: 85537

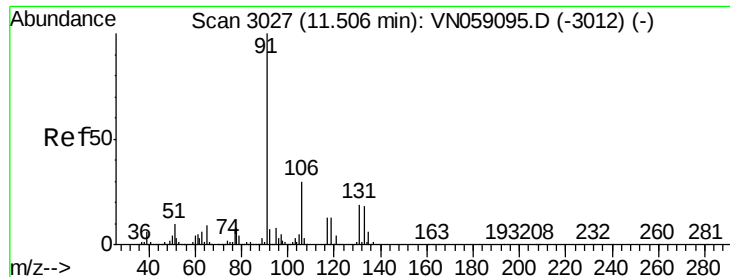
Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.3

119 64.3 33.2 99.6





#67

Ethyl Benzene

Concen: 20.389 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

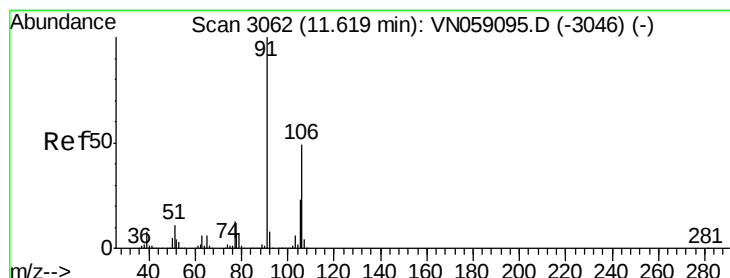
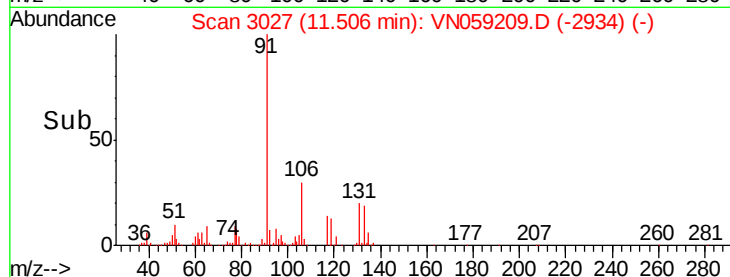
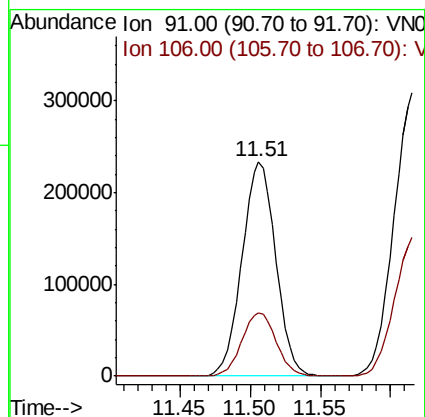
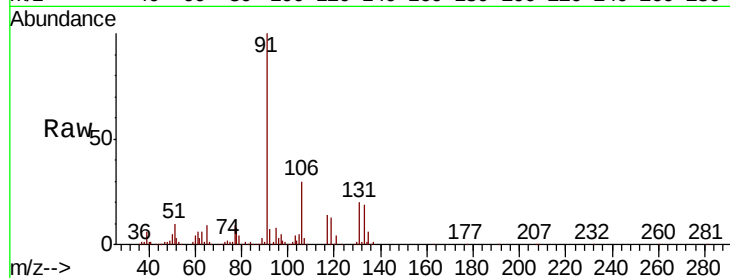
VN1113WBSD01

Tot Ion: 91 Resp: 392208

Ion Ratio Lower Upper

91 100

106 29.5 24.1 36.1



#68

m/p-Xylenes

Concen: 40.156 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059209.D

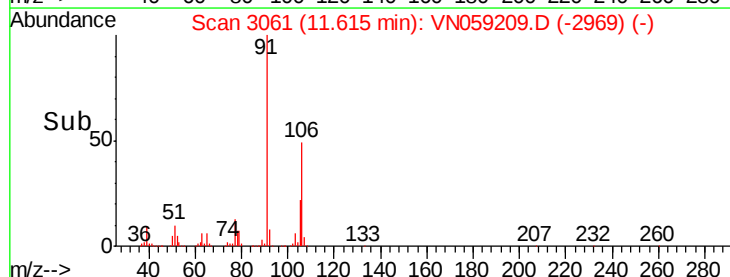
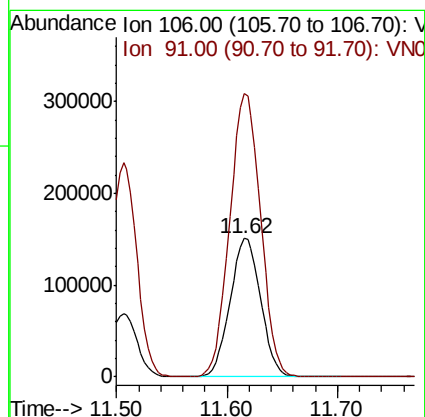
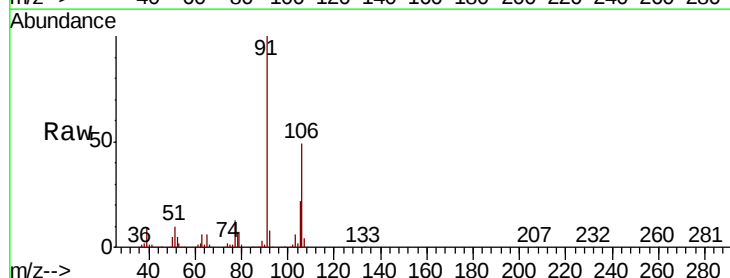
Acq: 13 Nov 2019 10:28

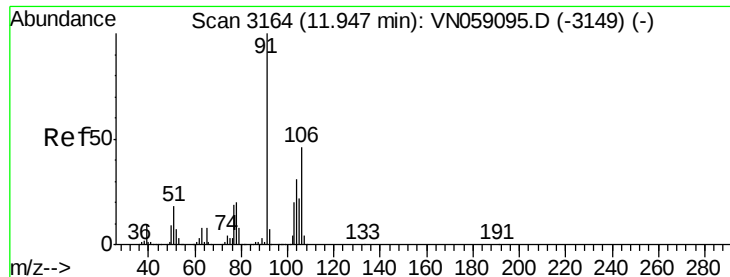
Tgt Ion: 106 Resp: 289353

Ion Ratio Lower Upper

106 100

91 206.4 164.7 247.1





#69

o-Xylene

Concen: 19.846 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

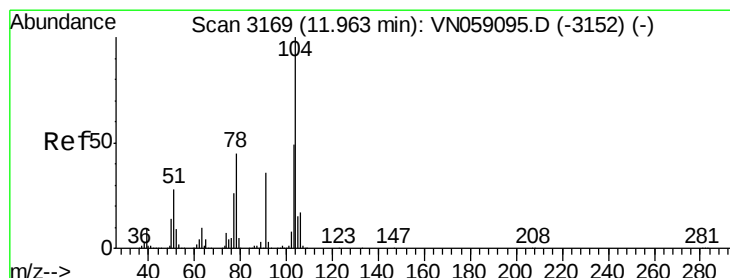
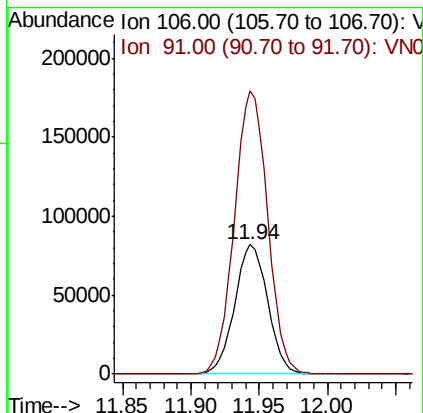
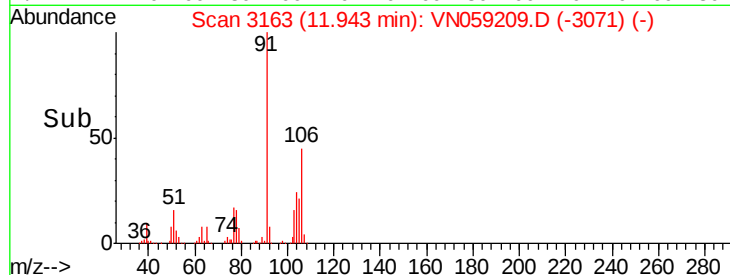
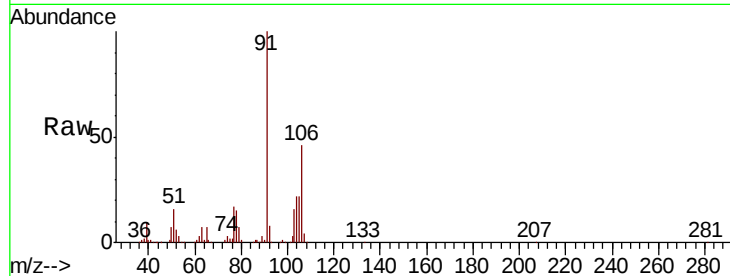
VN1113WBSD01

Tot Ion:106 Resp: 138199

Ion Ratio Lower Upper

106 100

91 219.9 110.1 330.3



#70

Styrene

Concen: 19.956 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

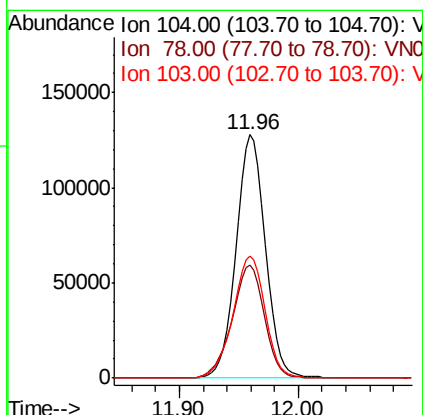
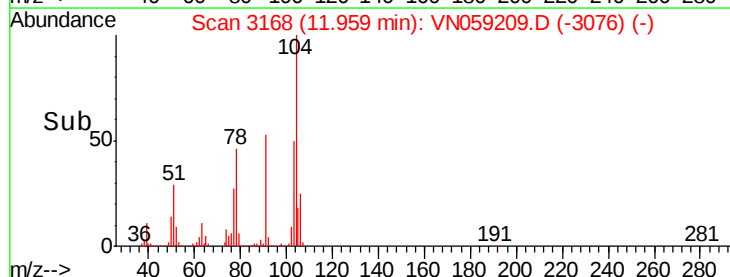
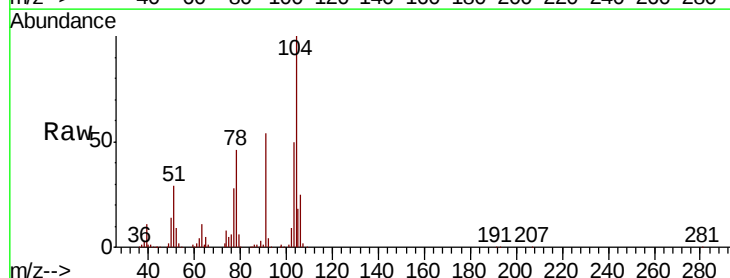
Tgt Ion:104 Resp: 218555

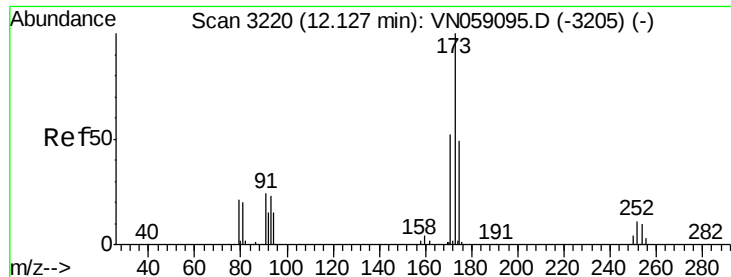
Ion Ratio Lower Upper

104 100

78 51.3 41.2 61.8

103 55.2 43.8 65.6





#71

Bromoform

Concen: 19.999 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

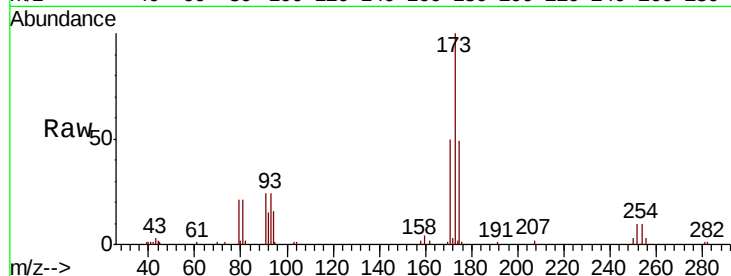
Tot Ion:173 Resp: 63267

Ion Ratio Lower Upper

173 100

175 48.2 24.2 72.6

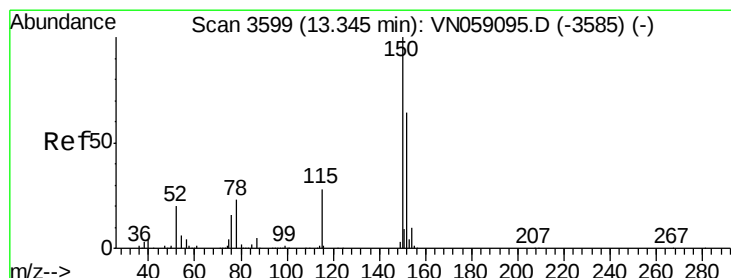
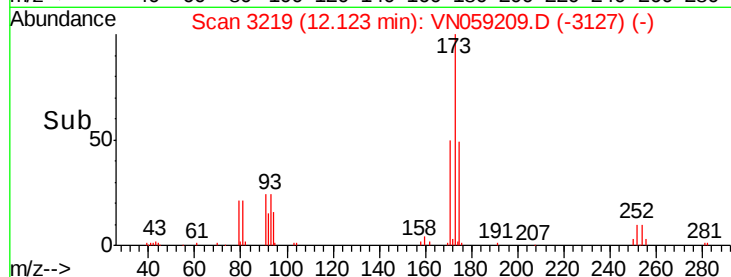
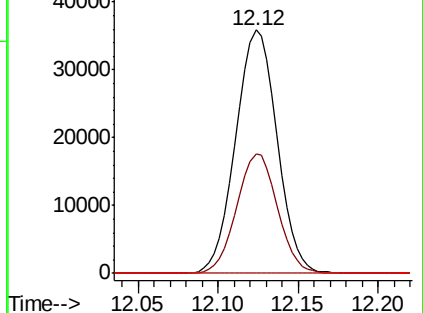
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

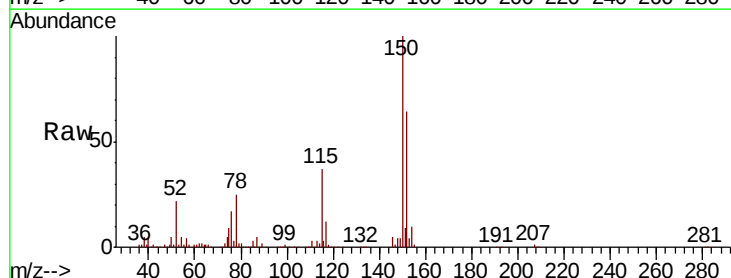
Tgt Ion:152 Resp: 252758

Ion Ratio Lower Upper

152 100

115 58.7 29.4 88.2

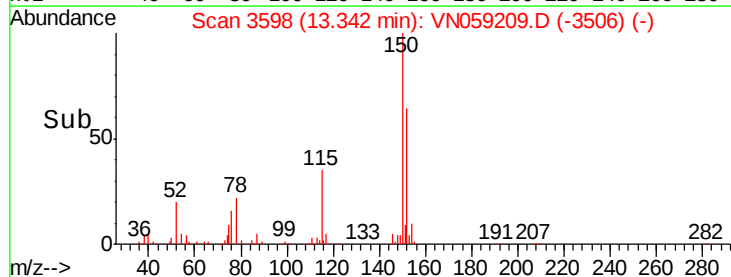
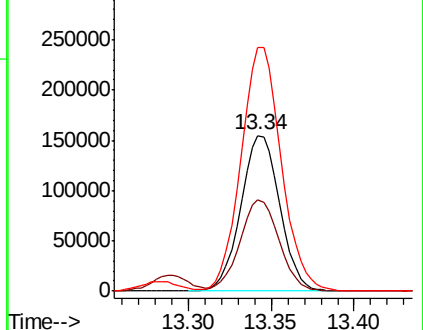
150 161.7 0.0 345.8

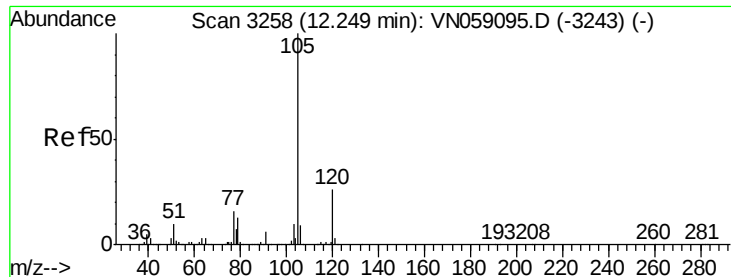


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.667 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

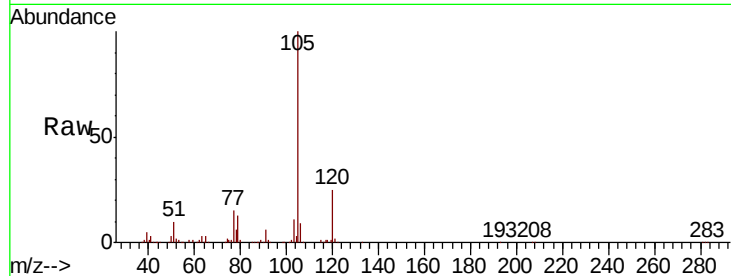
VN1113WBSD01

Tot Ion: 105 Resp: 379976

Ion Ratio Lower Upper

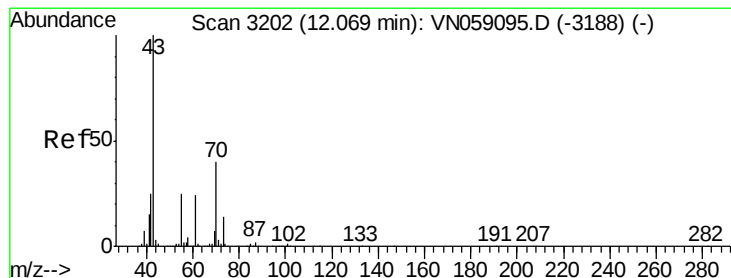
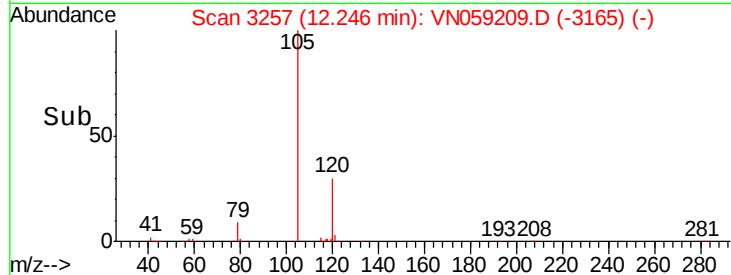
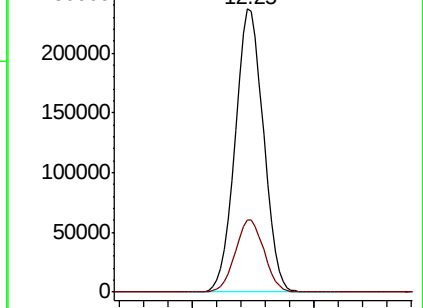
105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.208 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Tgt Ion: 43 Resp: 149643

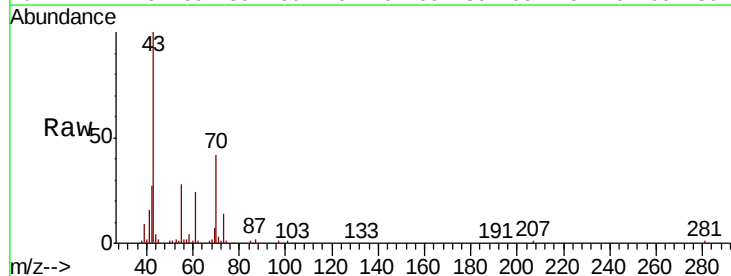
Ion Ratio Lower Upper

43 100

70 40.7 32.2 48.4

55 27.4 20.4 30.6

61 23.9 19.3 28.9

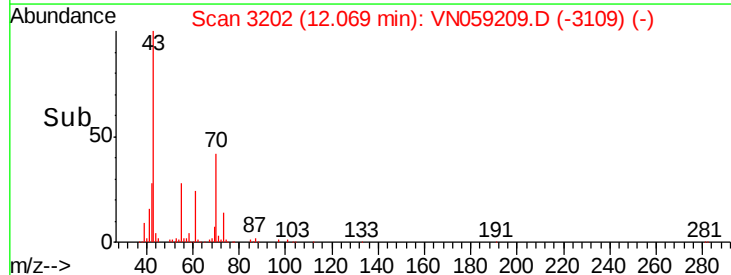
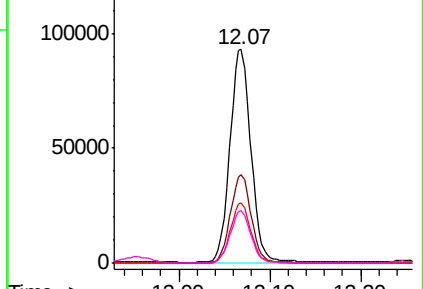


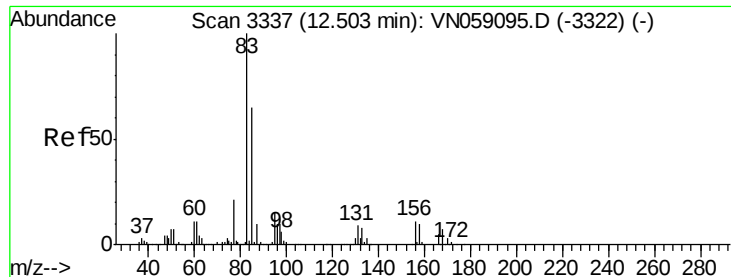
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.564 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

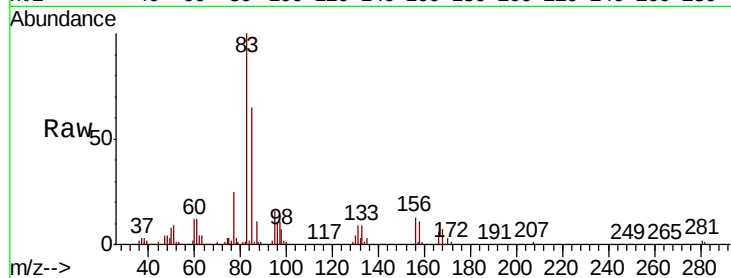
Tot Ion: 83 Resp: 128756

Ion Ratio Lower Upper

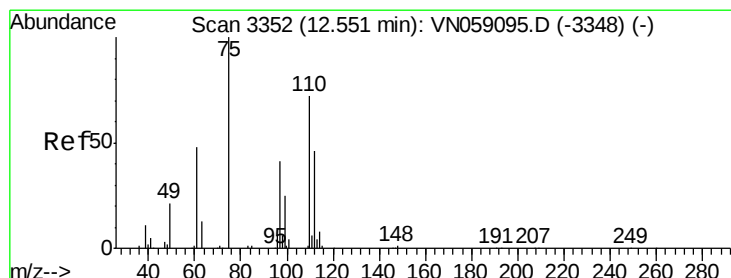
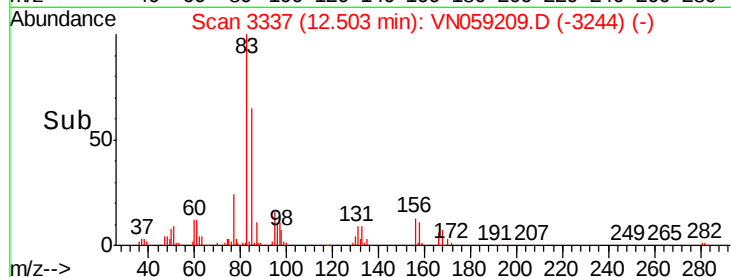
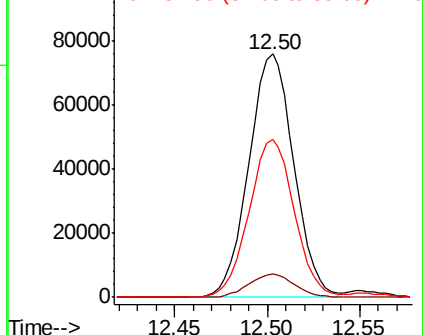
83 100

131 9.8 4.9 14.6

85 65.2 32.4 97.2



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: 29.711 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059209.D

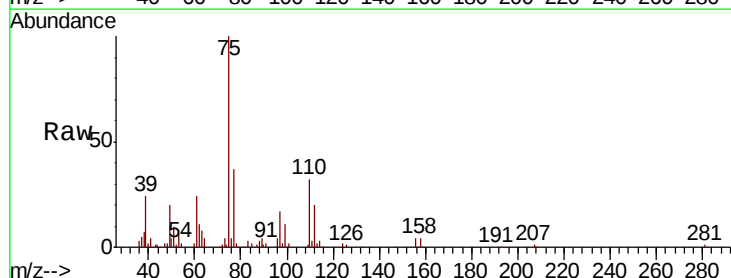
Acq: 13 Nov 2019 10:28

Tgt Ion: 75 Resp: 170971

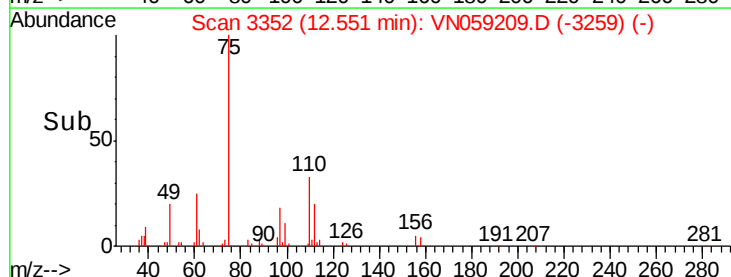
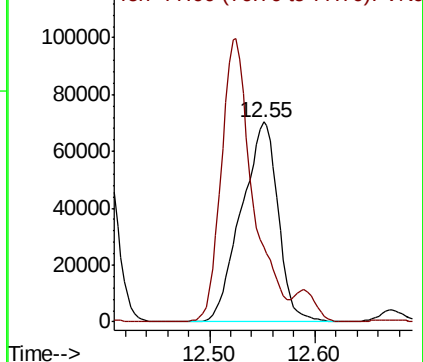
Ion Ratio Lower Upper

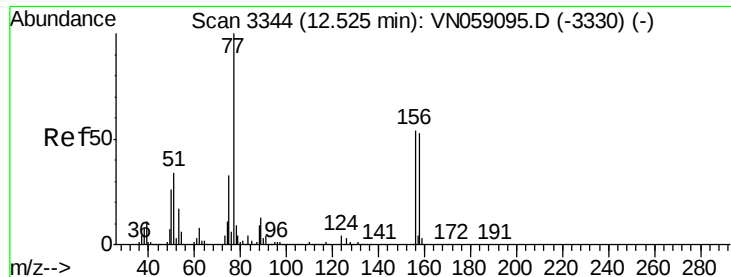
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.621 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

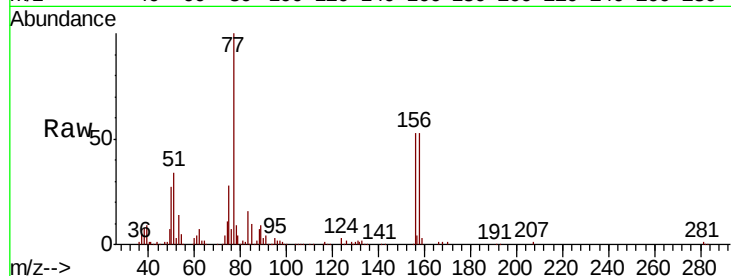
Tot Ion:156 Resp: 90634

Ion Ratio Lower Upper

156 100

77 229.2 112.8 338.3

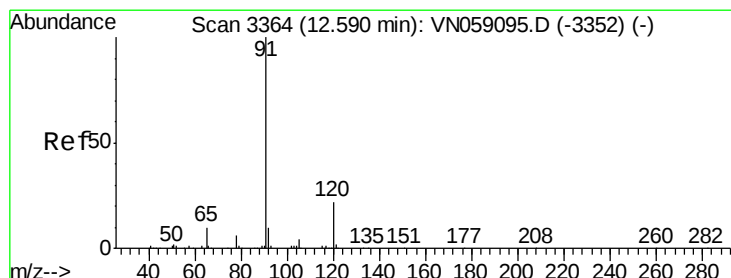
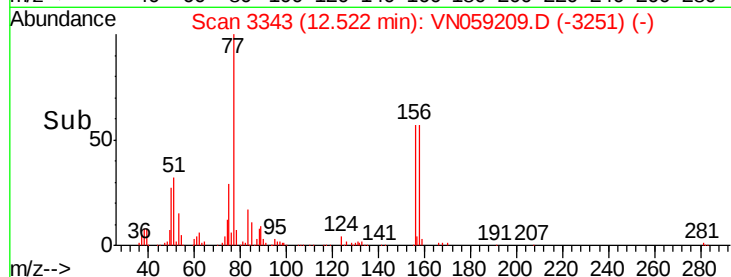
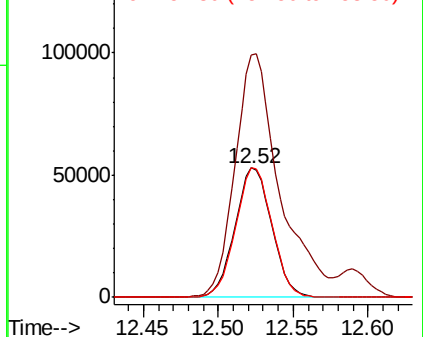
158 98.8 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.475 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059209.D

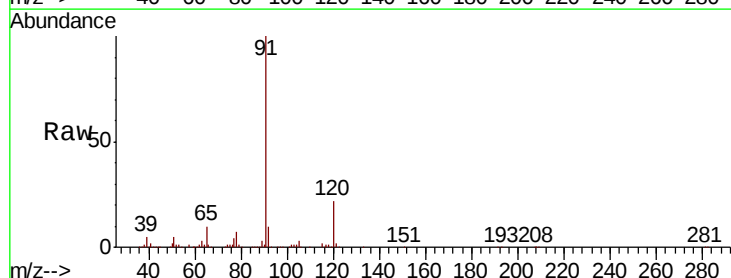
Acq: 13 Nov 2019 10:28

Tgt Ion: 91 Resp: 431027

Ion Ratio Lower Upper

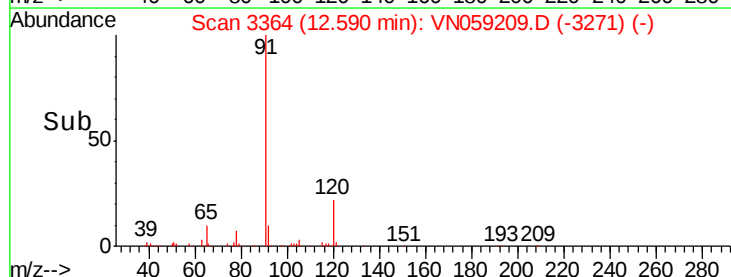
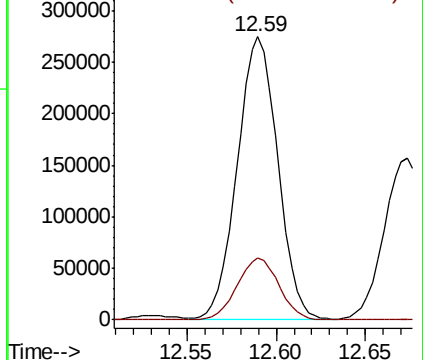
91 100

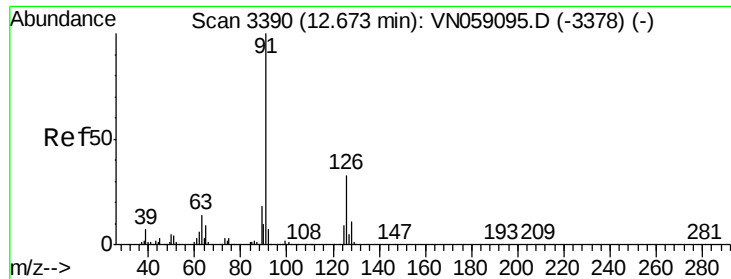
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.006 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

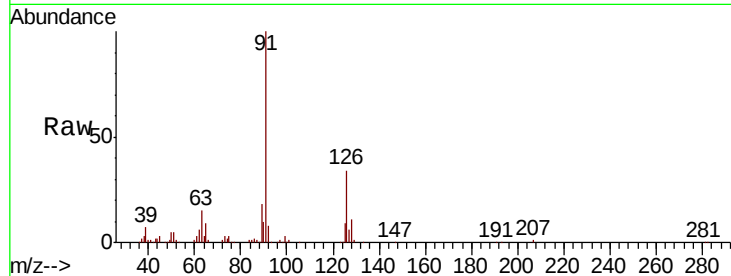
VN1113WBSD01

Tot Ion: 91 Resp: 261270

Ion Ratio Lower Upper

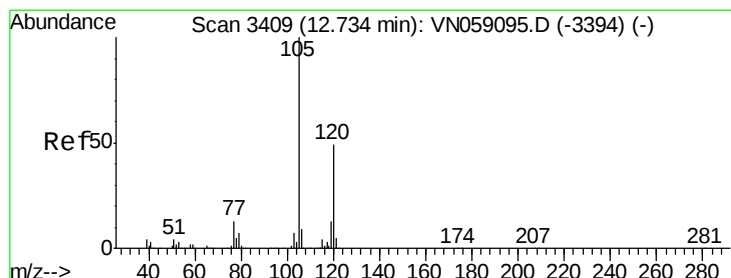
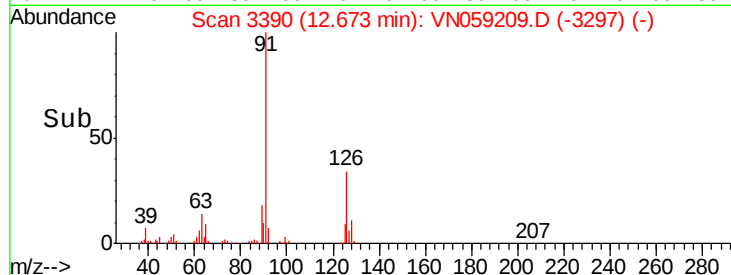
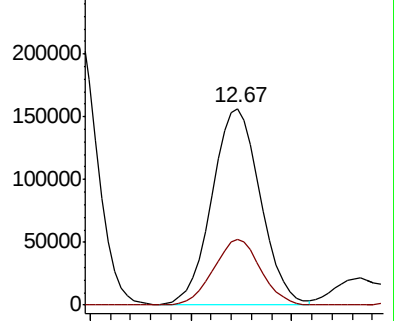
91 100

126 33.0 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059209.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059209.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.248 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059209.D

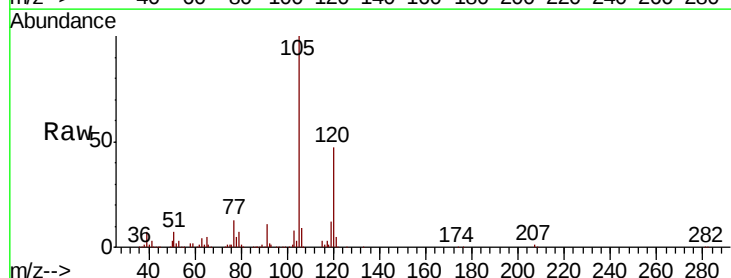
Acq: 13 Nov 2019 10:28

Tgt Ion: 105 Resp: 315441

Ion Ratio Lower Upper

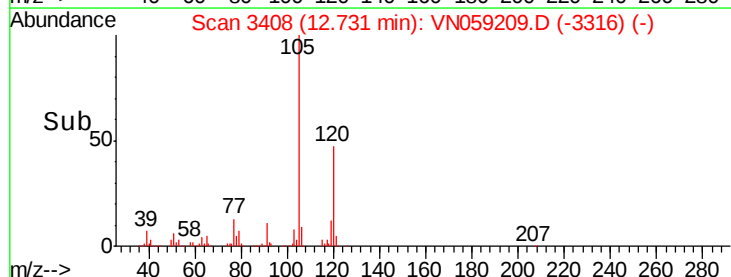
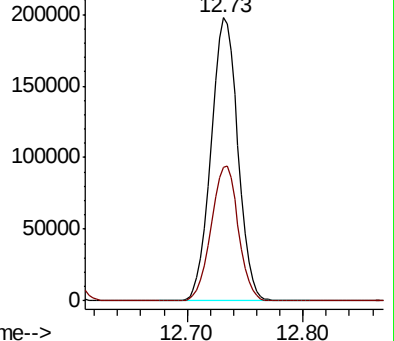
105 100

120 48.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059209.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059209.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.456 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

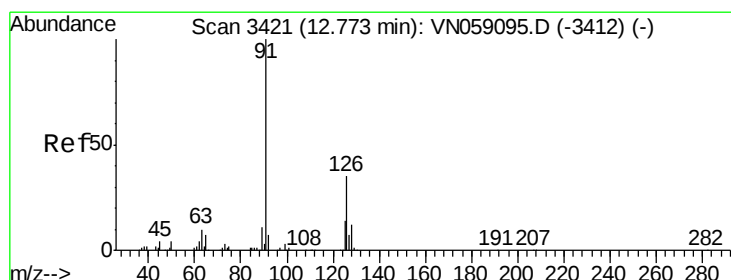
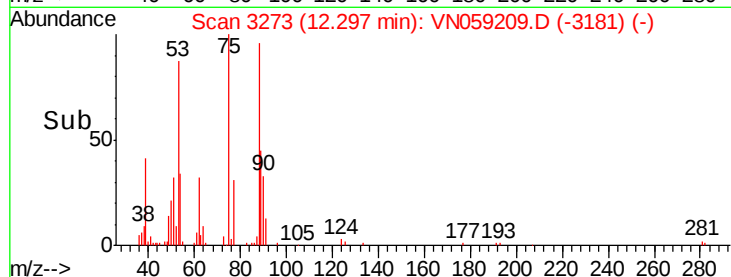
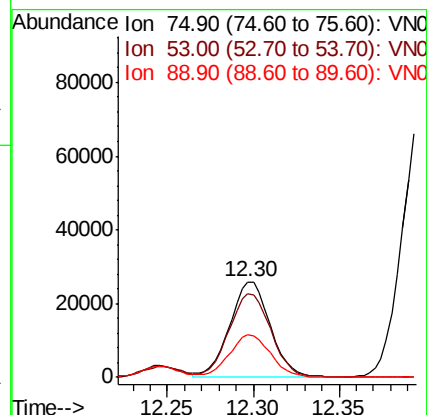
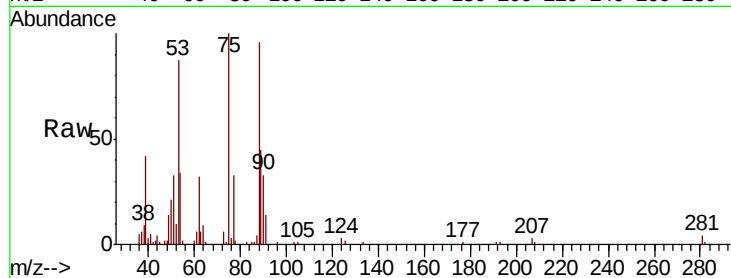
Tot Ion: 75 Resp: 42388

Ion Ratio Lower Upper

75 100

53 92.3 72.2 108.2

89 45.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.325 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059209.D

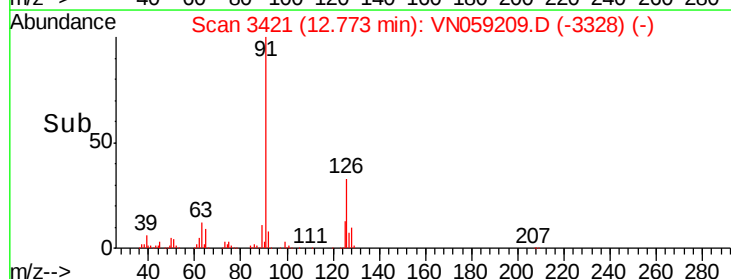
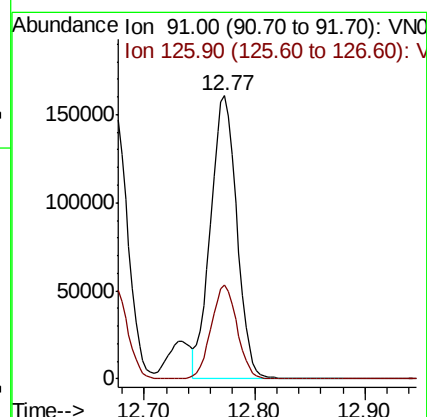
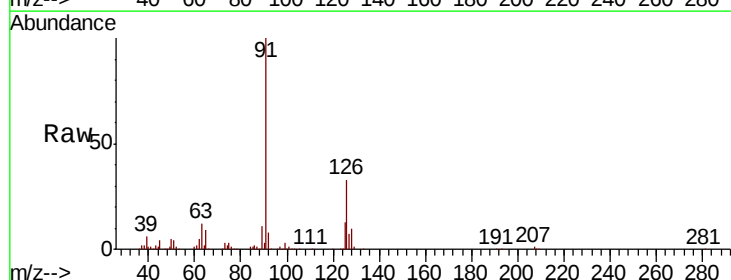
Acq: 13 Nov 2019 10:28

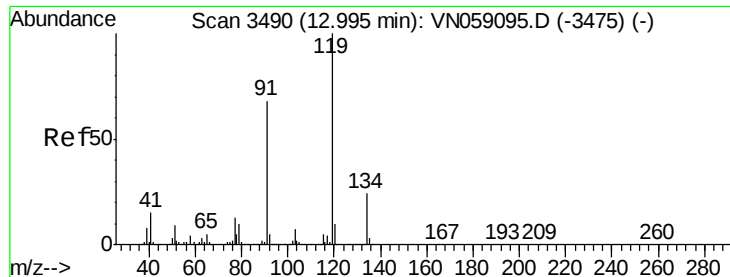
Tgt Ion: 91 Resp: 266227

Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.2





#83

tert-Butylbenzene

Concen: 19.975 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

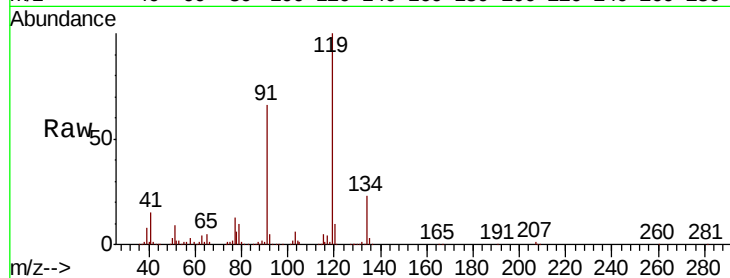
Tot Ion:119 Resp: 268741

Ion Ratio Lower Upper

119 100

91 66.7 33.2 99.6

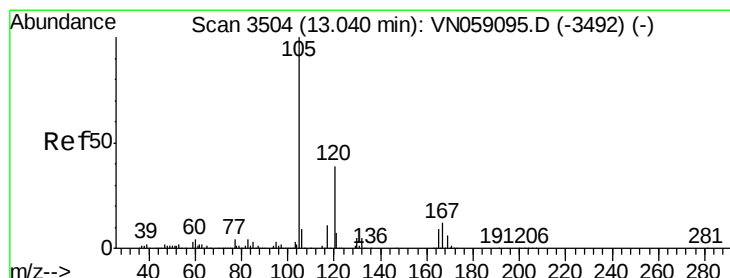
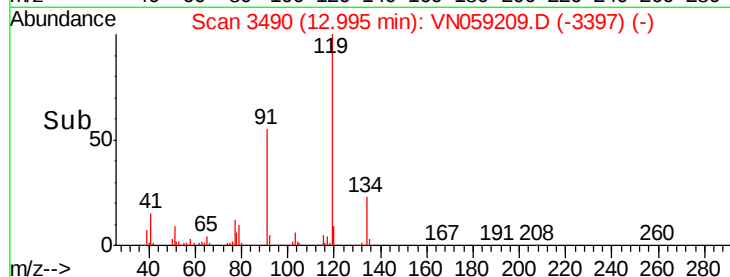
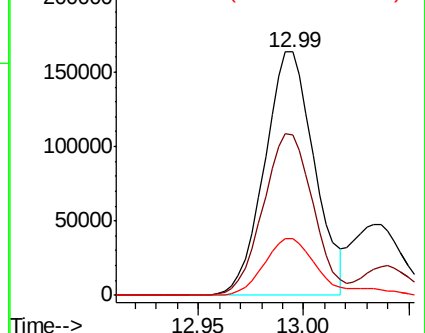
134 24.2 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.800 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059209.D

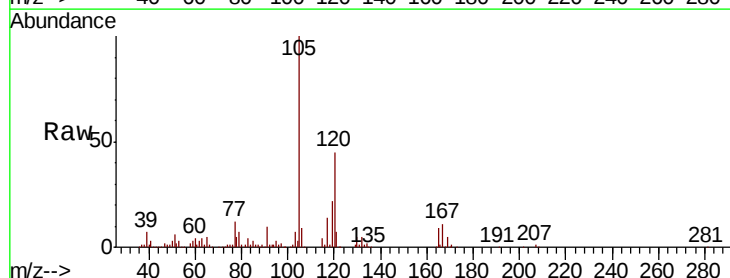
Acq: 13 Nov 2019 10:28

Tgt Ion:105 Resp: 313515

Ion Ratio Lower Upper

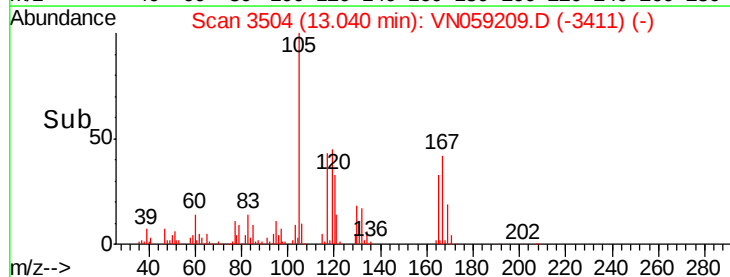
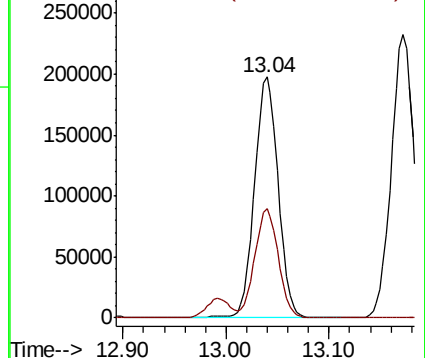
105 100

120 45.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.657 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

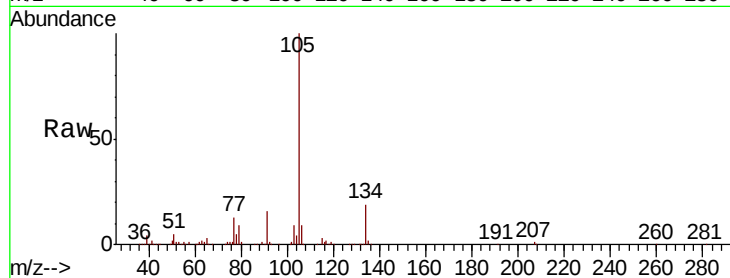
VN1113WBSD01

Tot Ion:105 Resp: 361450

Ion Ratio Lower Upper

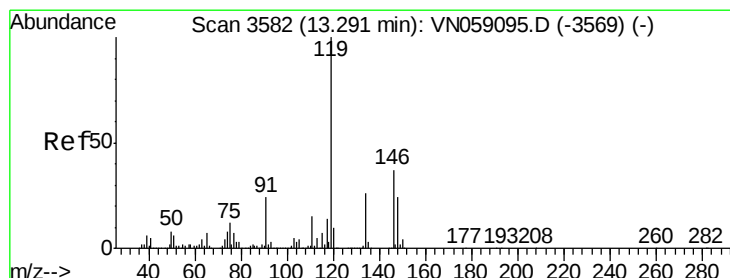
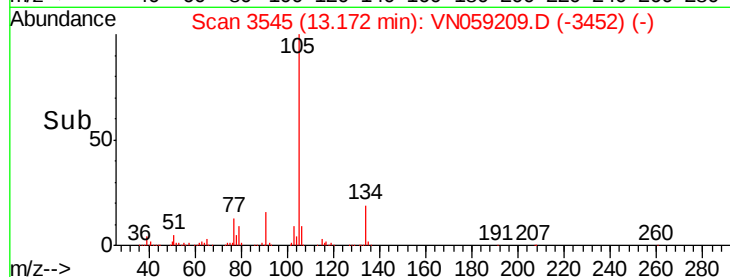
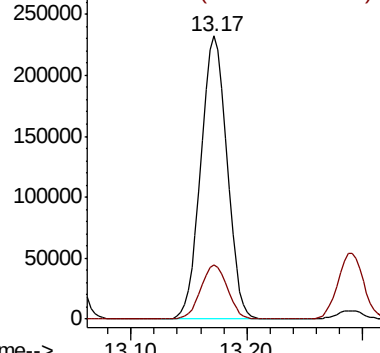
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.576 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

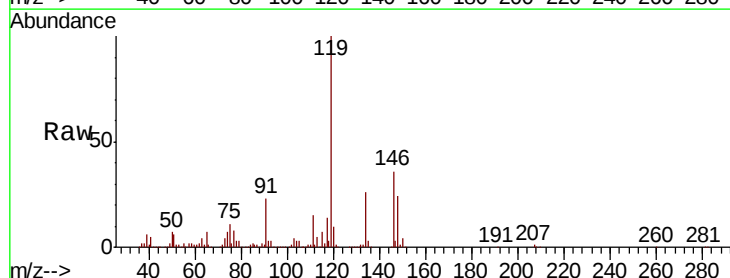
Tgt Ion:119 Resp: 317889

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

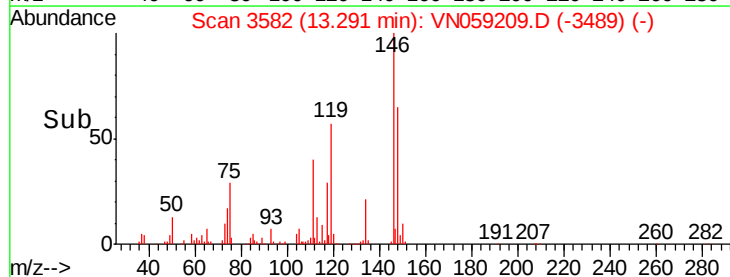
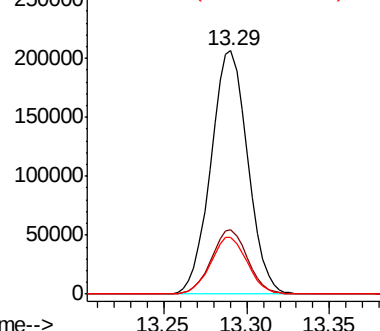
91 23.3 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.153 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

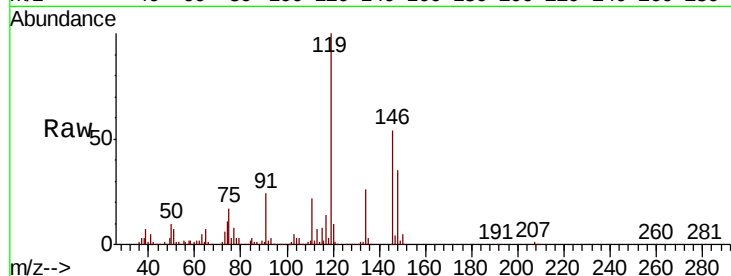
Tot Ion:146 Resp: 159408

Ion Ratio Lower Upper

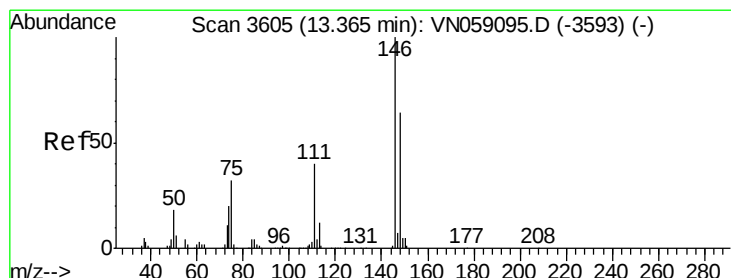
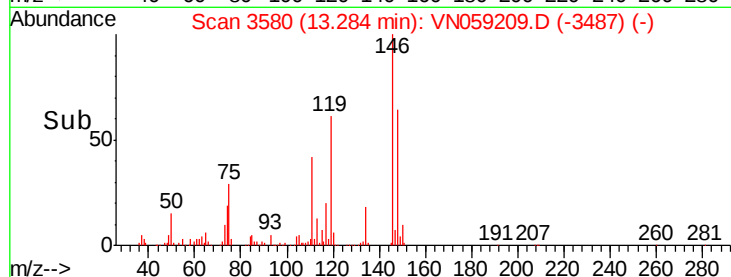
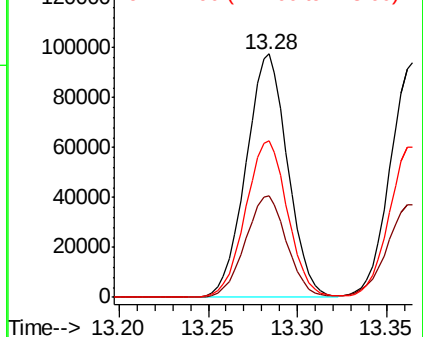
146 100

111 41.5 20.4 61.3

148 65.0 32.2 96.6



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: 19.506 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

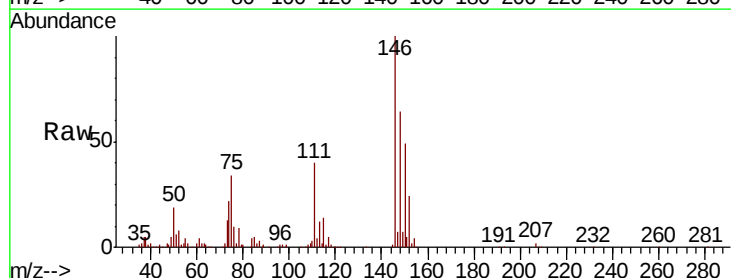
Tgt Ion:146 Resp: 154373

Ion Ratio Lower Upper

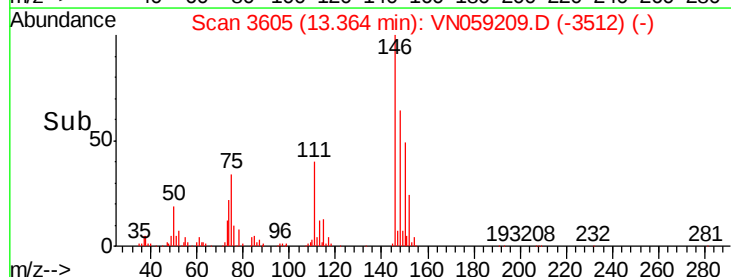
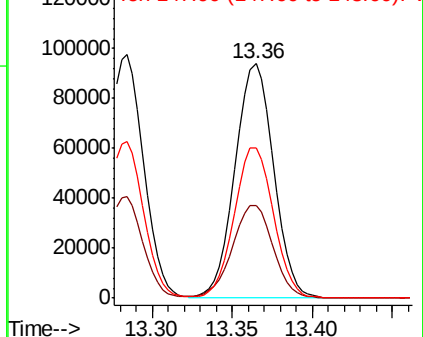
146 100

111 41.9 20.3 60.9

148 65.5 31.9 95.7



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

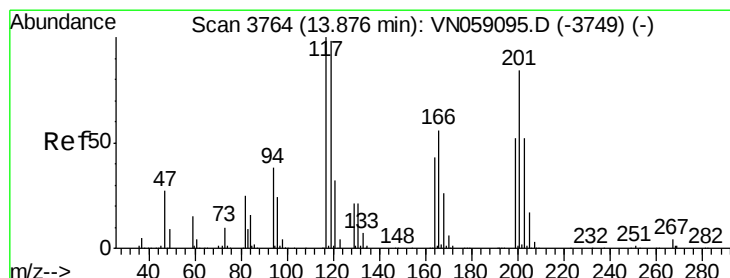
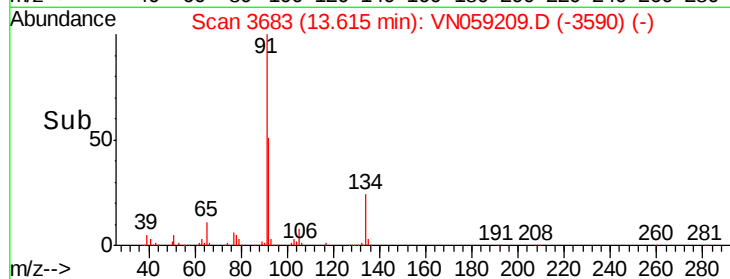
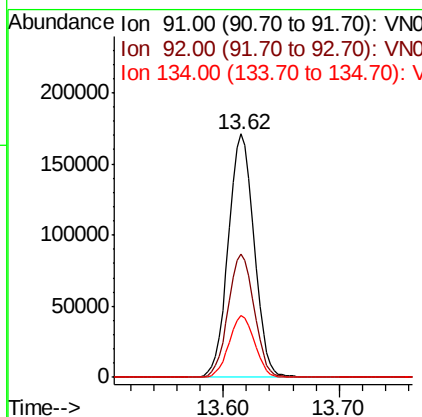
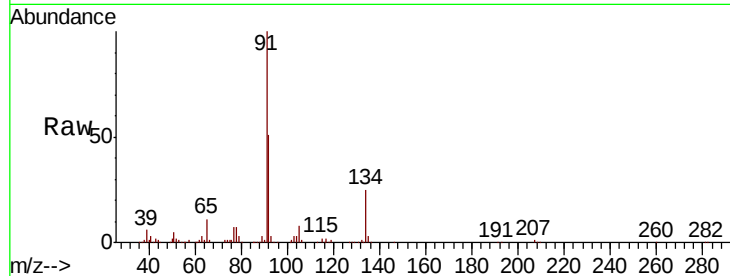




#89
n-Butylbenzene
Concen: 19.490 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

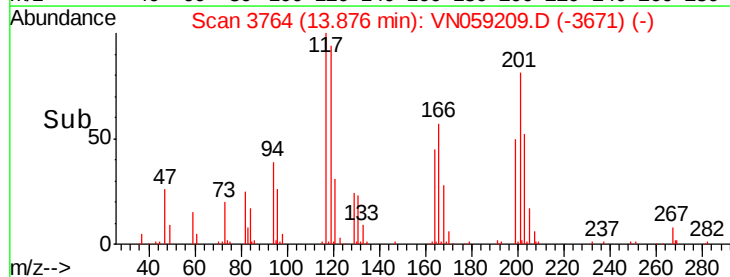
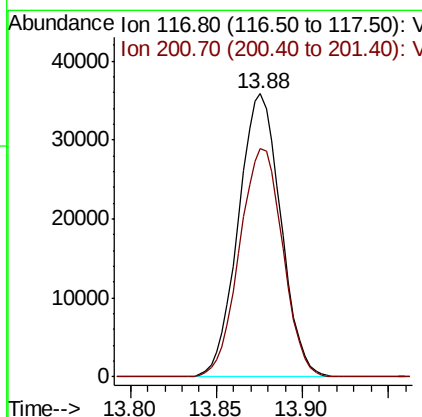
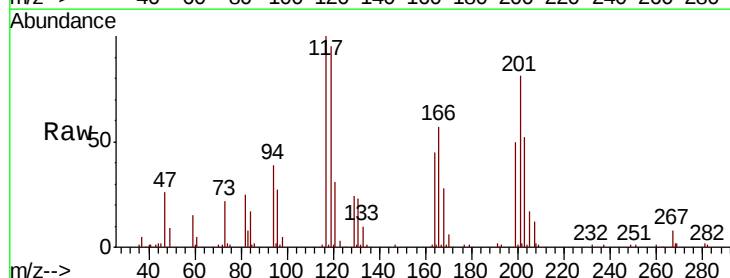
Instrument :
MSVOA_N
ClientSampled :
VN1113WBSD01

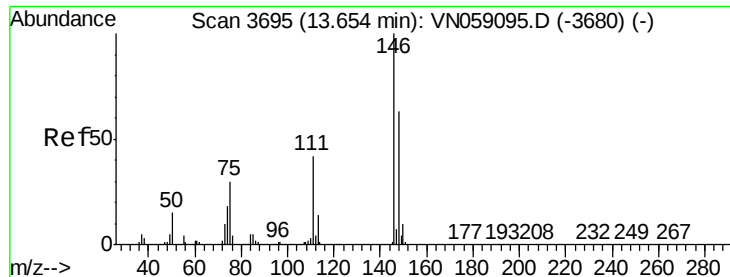
Tot Ion: 91 Resp: 263545
Ion Ratio Lower Upper
91 100
92 51.0 26.1 78.3
134 25.1 12.6 37.8



#90
Hexachloroethane
Concen: 19.781 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059209.D
Acq: 13 Nov 2019 10:28

Tgt Ion: 117 Resp: 61366
Ion Ratio Lower Upper
117 100
201 82.1 41.8 125.3

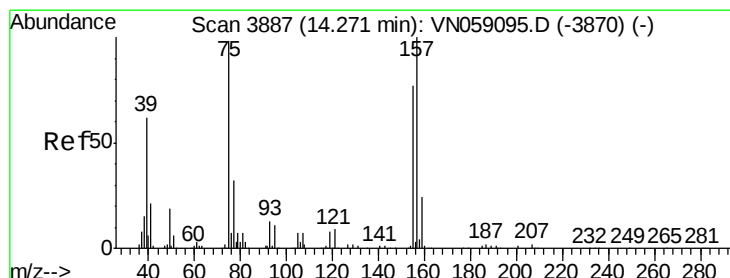
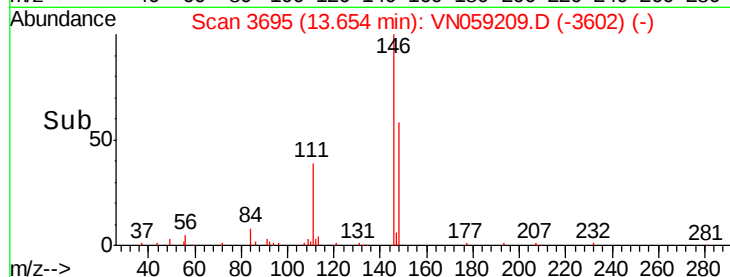
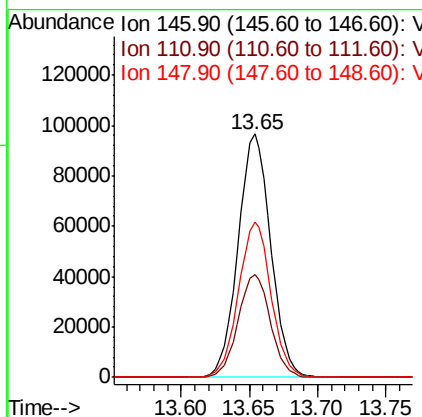
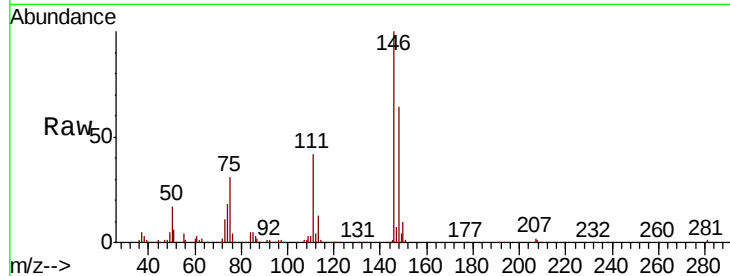




#91
 1,2-Dichlorobenzene
 Concen: 20.623 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

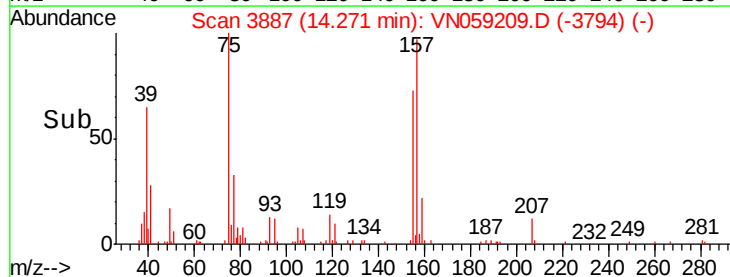
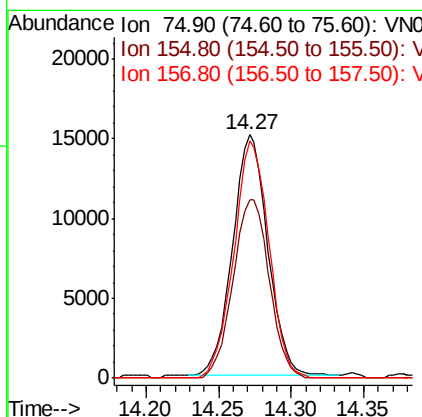
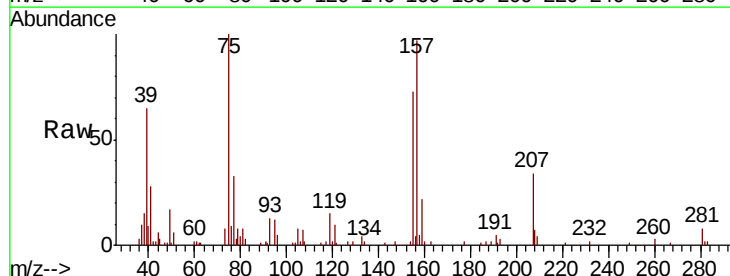
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.7	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.384 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	40.2	120.6
157	98.1	51.8	155.5

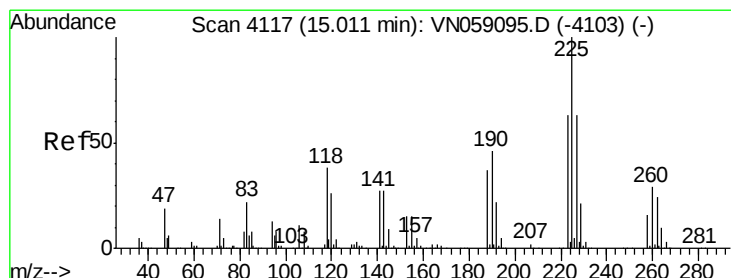
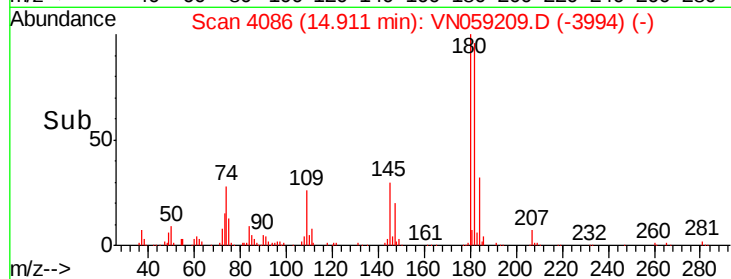
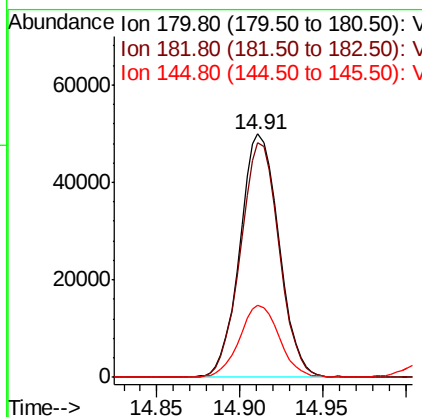
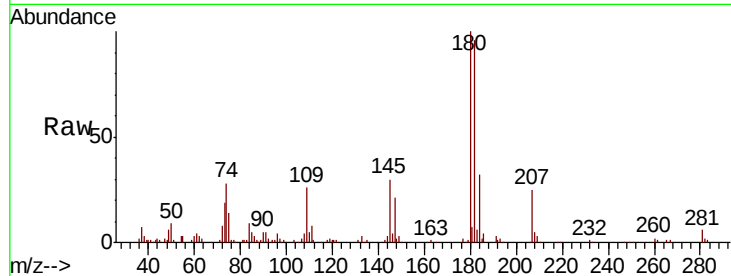




#93
 1,2,4-Trichlorobenzene
 Concen: 19.300 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

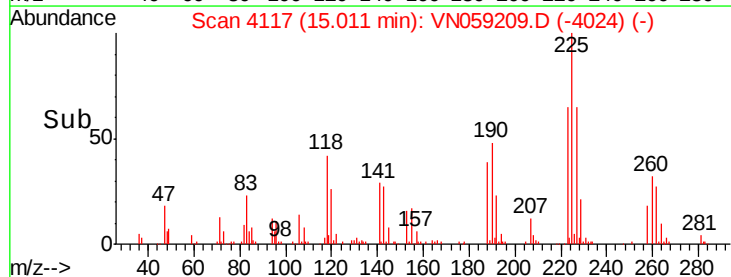
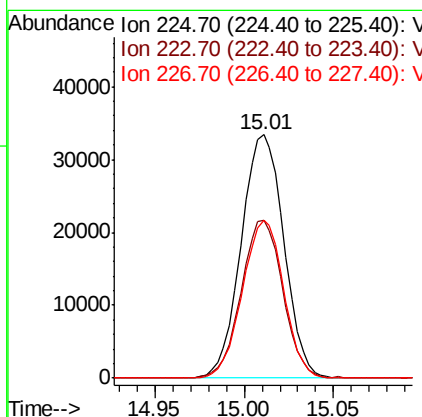
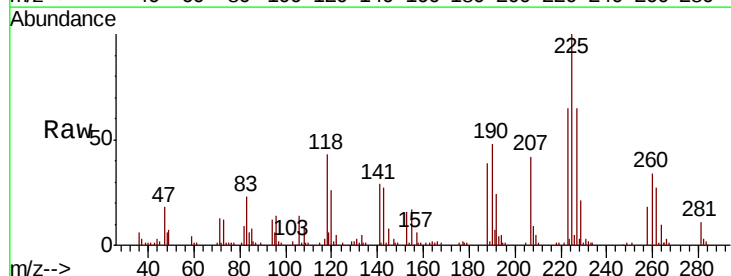
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

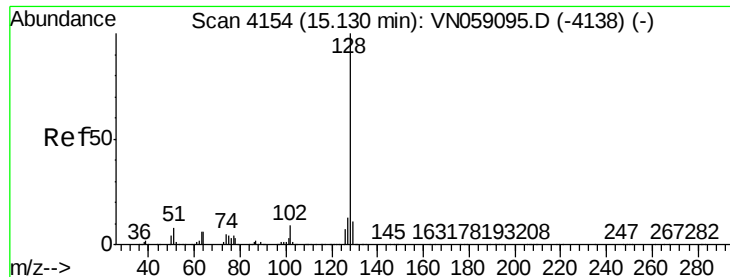
Tot Ion:180 Resp: 81714
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.1 144.3
 145 30.3 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 20.752 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059209.D
 Acq: 13 Nov 2019 10:28

Tgt Ion:225 Resp: 55677
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.9
 227 62.7 31.5 94.5





#95

Naphthalene

Concen: 18.621 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

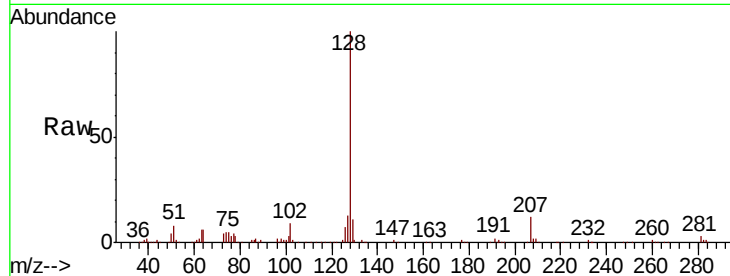
Tot Ion:128 Resp: 217248

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

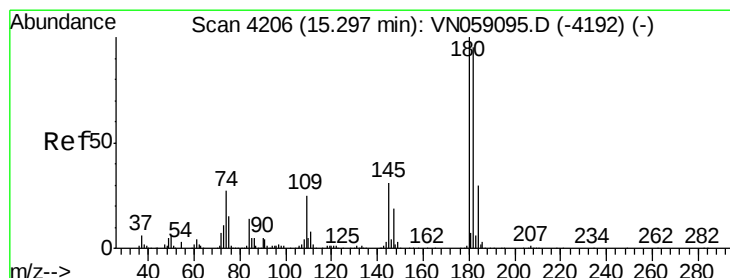
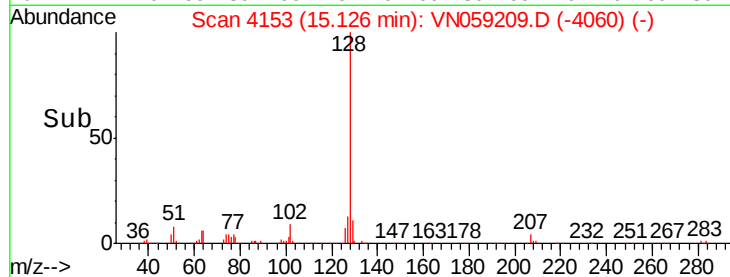
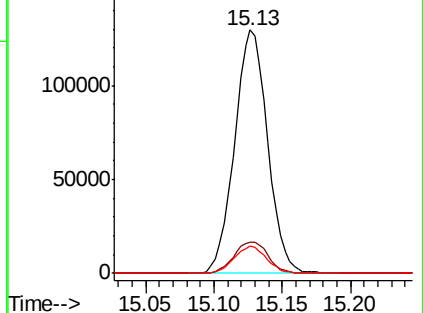
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.745 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059209.D

Acq: 13 Nov 2019 10:28

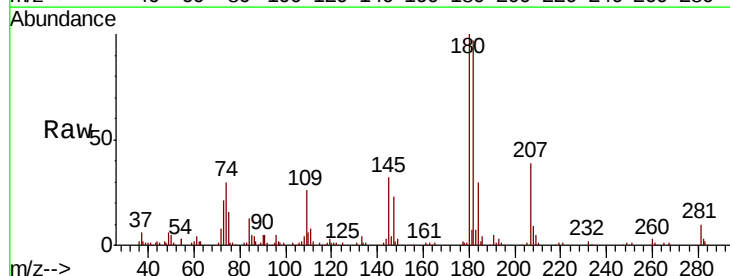
Tgt Ion:180 Resp: 86102

Ion Ratio Lower Upper

180 100

182 95.0 47.3 141.8

145 32.4 15.8 47.3



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

