

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081019\
 Data File : VN057173.D
 Acq On : 10 Aug 2019 13:51
 Operator : JC/SP
 Sample : VN0810WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Aug 12 01:12:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	189174	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	1021576	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	887793	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	361387	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	11.92	95	374987	28.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.57%
63) Toluene-d8	9.56	98	1242757	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	204549	19.824 ug/l	97
3) Chloromethane	2.00	50	240621	20.131 ug/l	99
4) Vinyl Chloride	2.11	62	235969	19.406 ug/l	98
5) Bromomethane	2.44	94	176053	20.325 ug/l	100
6) Chloroethane	2.55	64	153989	19.529 ug/l	100
7) Trichlorofluoromethane	2.83	101	349533	19.278 ug/l	98
8) Diethyl Ether	3.14	74	130891	19.369 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	207347	18.906 ug/l	99
10) 1,1-Dichloroethene	3.43	96	208463	19.224 ug/l	99
11) Methyl Iodide	3.63	142	315571	18.650 ug/l	99
12) Methyl Acetate	3.89	43	210503	18.635 ug/l	99
13) Acrolein	3.31	56	120297	96.567 ug/l	99
14) Acrylonitrile	4.45	53	450756	95.645 ug/l	99
15) Acetone	3.47	58	119965	76.699 ug/l	94
16) Carbon Disulfide	3.72	76	546000	18.664 ug/l	99
17) Allyl chloride	3.91	41	292607	18.304 ug/l	99
18) Methylene Chloride	4.10	84	233231	18.972 ug/l	97
19) trans-1,2-Dichloroethene	4.51	96	217362	18.697 ug/l	95
20) Diisopropyl ether	5.32	45	644156	19.757 ug/l	94
21) 1,1-Dichloroethane	5.25	63	390406	19.226 ug/l	99
22) cis-1,2-Dichloroethene	6.21	96	253935	19.192 ug/l	99
23) tert-Butyl Alcohol	4.23	59	124461	80.031 ug/l	# 100
24) Methyl tert-Butyl Ether	4.49	73	623694	19.559 ug/l	100
25) Chloroform	6.76	83	399180	19.118 ug/l	98
26) Cyclohexane	7.07	56	333881	19.234 ug/l	# 99
29) 1,1-Dichloropropene	7.20	75	295313	19.223 ug/l	99
30) 2-Butanone	6.20	43	534877	88.434 ug/l	100
31) 2,2-Dichloropropane	6.21	77	295447	17.987 ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	342874	19.272 ug/l	100
33) Carbon Tetrachloride	7.19	117	302688	19.112 ug/l	99
34) Benzene	7.46	78	911013	19.426 ug/l	99
35) Methacrylonitrile	6.55	41	121498	19.876 ug/l	95
36) 1,2-Dichloroethane	7.54	62	288244	19.240 ug/l	100
37) Trichloroethene	8.27	130	255867	19.201 ug/l	98
38) Methylcyclohexane	8.52	83	351680	19.183 ug/l	100
39) 1,2-Dichloropropane	8.56	63	232744	19.254 ug/l	94
40) Dibromomethane	8.65	93	153785	19.762 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	302912	19.576	ug/l	98
42) Vinyl Acetate	5.27	43	2485894	98.865	ug/l	100
43) Ethyl Acetate	6.28	43	198493	17.794	ug/l #	88
44) Isopropyl Acetate	7.56	43	385071	19.012	ug/l	96
45) 1,4-Dioxane	8.64	88	63712	337.089	ug/l	98
46) Methyl methacrylate	8.64	41	179275	19.414	ug/l	99
47) n-amyl Acetate	11.59	43	271484	18.219	ug/l	100
48) t-1,3-Dichloropropene	9.86	75	314811	19.080	ug/l	98
49) cis-1,3-Dichloropropene	9.30	75	352332	18.838	ug/l	99
50) 1,1,2-Trichloroethane	10.04	97	221298	19.897	ug/l	96
51) Ethyl methacrylate	9.90	69	306442	19.524	ug/l	99
52) 1,3-Dichloropropane	10.19	76	365076	19.693	ug/l	100
53) Dibromochloromethane	10.39	129	241700	19.286	ug/l	99
54) 1,2-Dibromoethane	10.50	107	229673	19.782	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	380708	85.905	ug/l	99
56) Bromoform	11.64	173	173016	18.682	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	1133340	99.373	ug/l	99
59) 2-Hexanone	10.24	43	758439	92.498	ug/l	99
61) Tetrachloroethene	10.11	164	261013	19.155	ug/l	97
62) Toluene	9.63	91	992281	19.636	ug/l	100
64) Chlorobenzene	10.93	112	608282	19.571	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.01	131	236097	19.808	ug/l	99
66) Ethyl Benzene	11.01	91	1061702	19.600	ug/l	99
67) m/p-Xylenes	11.13	106	787041	38.528	ug/l	100
68) o-Xylene	11.46	106	391316	19.731	ug/l	98
69) Styrene	11.47	104	591188	18.590	ug/l	99
70) Isopropylbenzene	11.76	105	1035245	19.388	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.02	83	292854	20.026	ug/l	99
72) 1,2,3-Trichloropropane	12.08	75	325990	25.470	ug/l	67
73) Bromobenzene	12.04	156	258010	18.635	ug/l	98
74) n-propylbenzene	12.11	91	1031640	18.404	ug/l	100
75) 2-Chlorotoluene	12.20	91	655806	18.915	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	866796	19.280	ug/l	88
77) t-1,4-Dichloro-2-butene	11.82	75	74930	17.396	ug/l	97
78) 4-Chlorotoluene	12.30	91	580269	18.021	ug/l	100
79) tert-butylbenzene	12.52	119	773854	19.529	ug/l	99
80) 1,2,4-Trimethylbenzene	12.57	105	813015	19.176	ug/l	98
81) sec-Butylbenzene	12.70	105	930978	18.633	ug/l	99
82) p-Isopropyltoluene	12.82	119	807554	18.152	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	359119	17.034	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	329055	16.779	ug/l	99
85) n-Butylbenzene	13.15	91	584012	18.155	ug/l	99
86) Hexachloroethane	13.41	117	144056	17.808	ug/l	98
87) 1,2-Dichlorobenzene	13.19	146	367945	17.599	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.81	75	35428	17.267	ug/l	92
89) 1,2,4-Trichlorobenzene	14.45	180	104476	17.356	ug/l	100
90) Hexachlorobutadiene	14.55	225	156901	17.407	ug/l	99
91) Naphthalene	14.67	128	195819	12.339	ug/l	99
92) 1,2,3-Trichlorobenzene	14.83	180	112954	18.458	ug/l	96

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QLast Update : Sun Aug 11 03:53:25 2019
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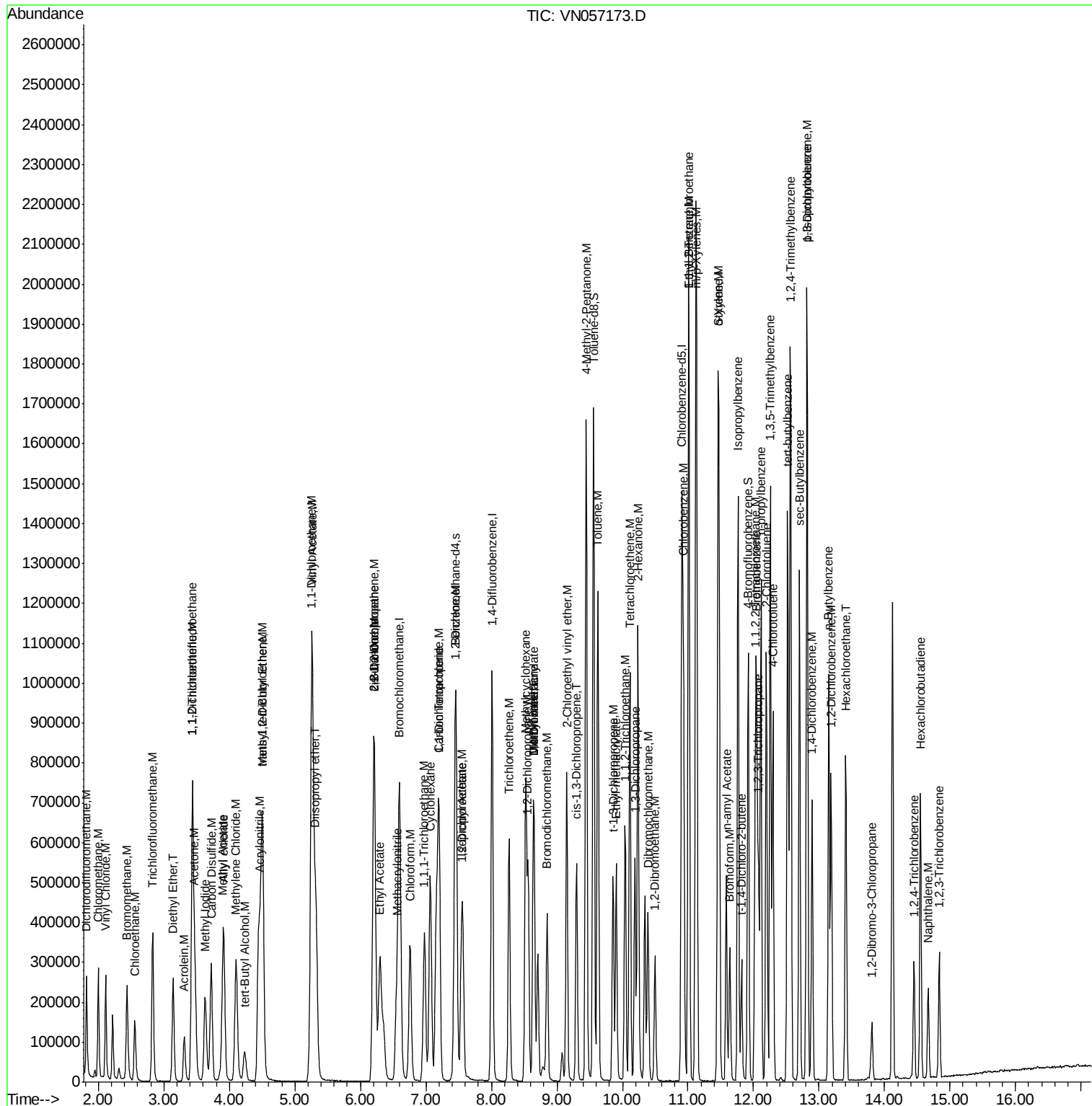
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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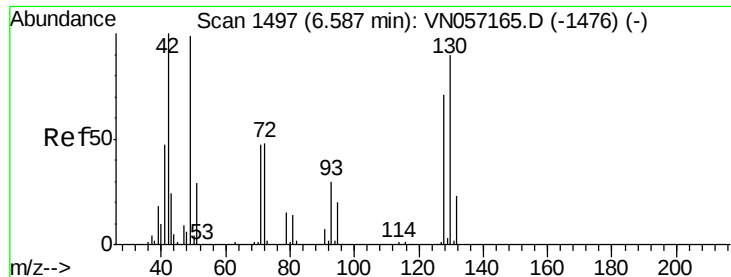
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

BFB

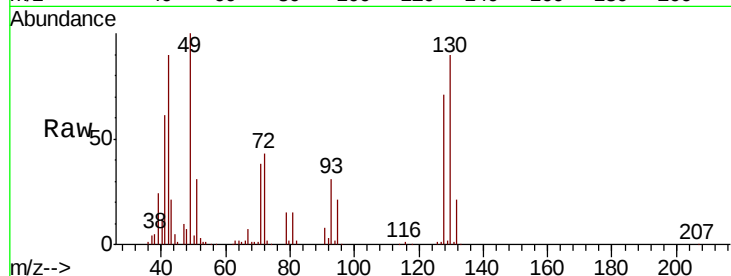
Tgt Ion:128 Resp: 189174

Ion Ratio Lower Upper

128 100

49 141.3 0.0 361.0

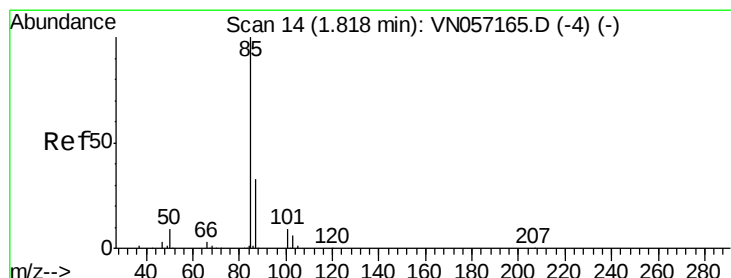
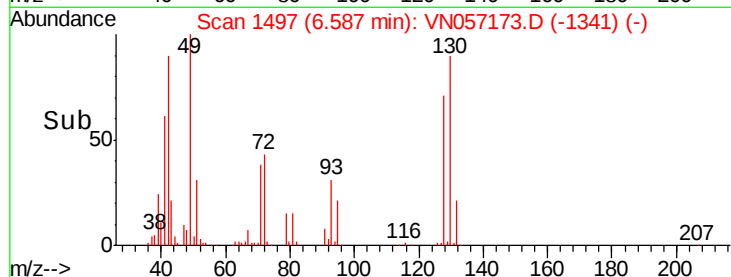
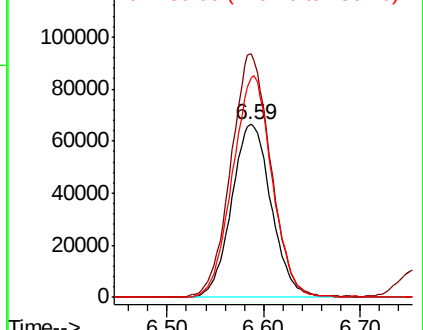
130 127.7 0.0 329.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.824 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057173.D

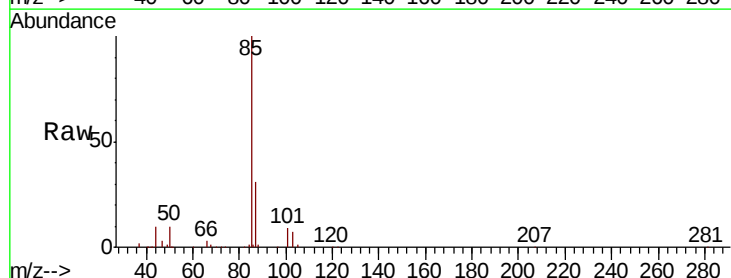
Acq: 10 Aug 2019 13:51

Tgt Ion: 85 Resp: 204549

Ion Ratio Lower Upper

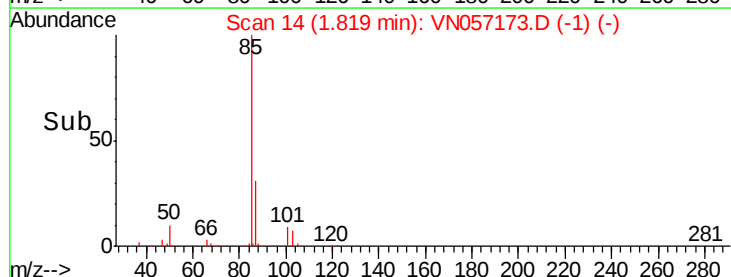
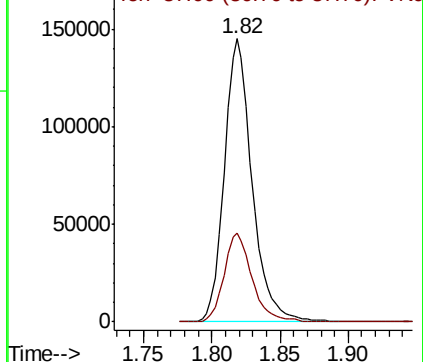
85 100

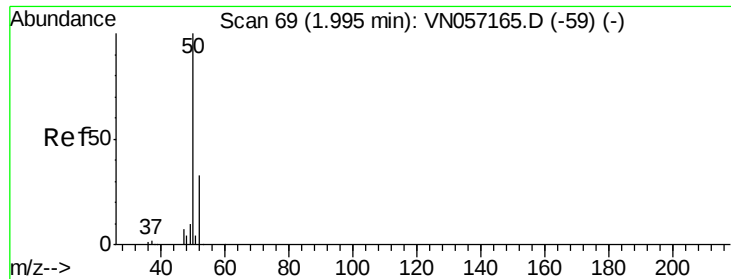
87 31.3 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.131 ug/l

RT: 2.00 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

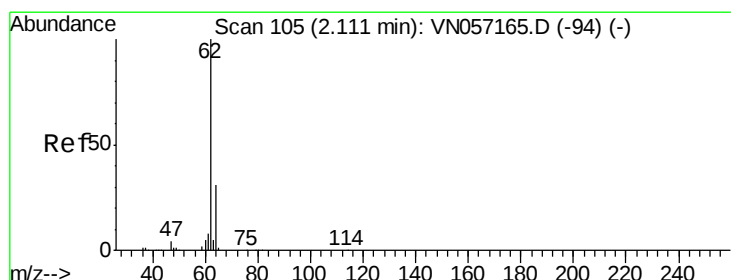
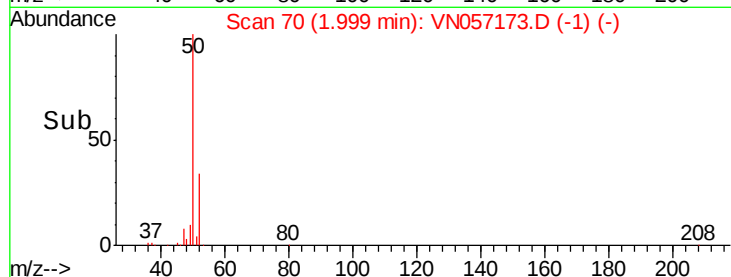
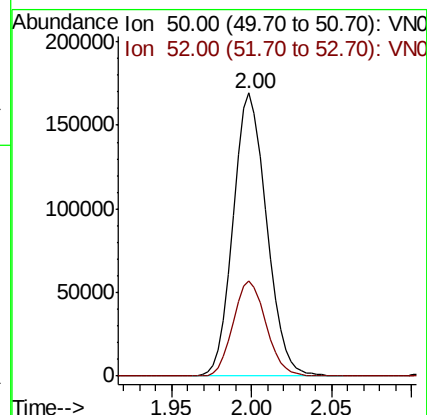
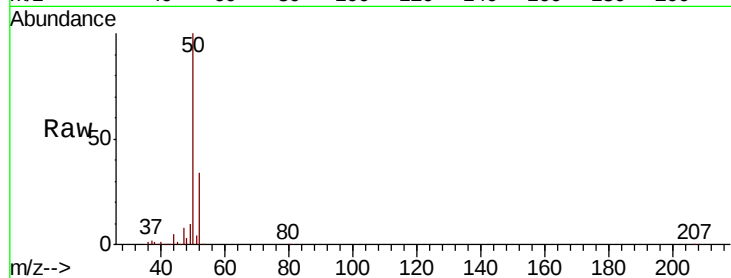
BFB

Tgt Ion: 50 Resp: 240621

Ion Ratio Lower Upper

50 100

52 33.7 26.5 39.7



#4

Vinyl Chloride

Concen: 19.406 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057173.D

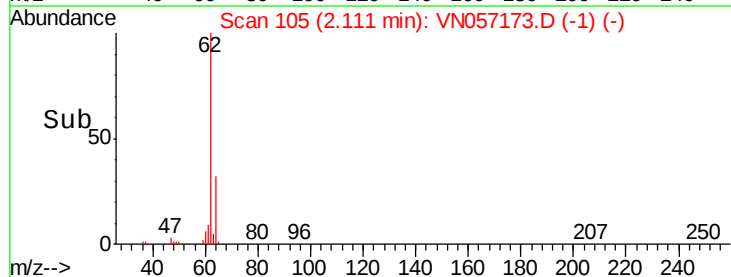
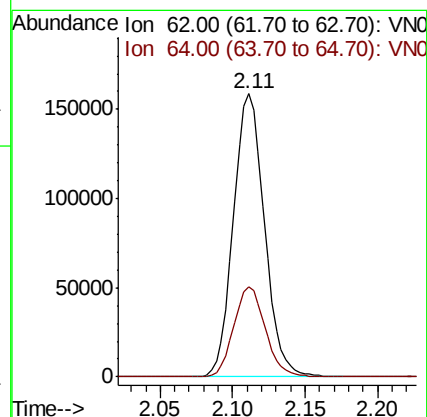
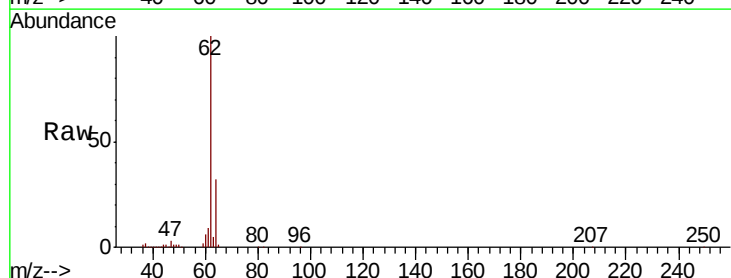
Acq: 10 Aug 2019 13:51

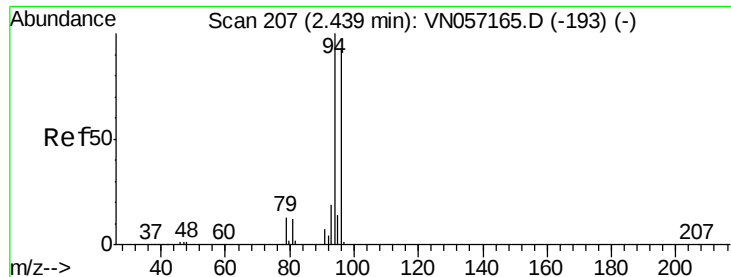
Tgt Ion: 62 Resp: 235969

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 20.325 ug/l

RT: 2.44 min Scan# 206

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

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ClientSampleId :

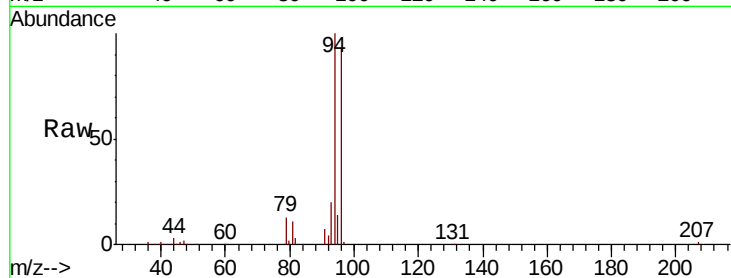
BFB

Tgt Ion: 94 Resp: 176053

Ion Ratio Lower Upper

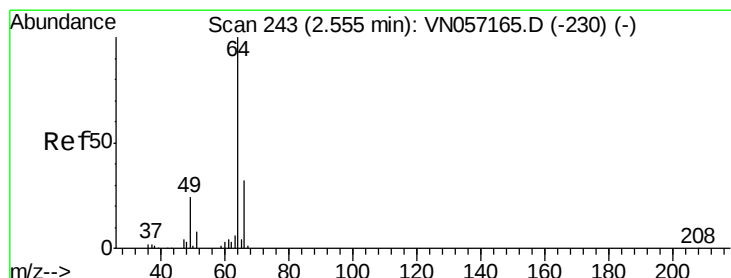
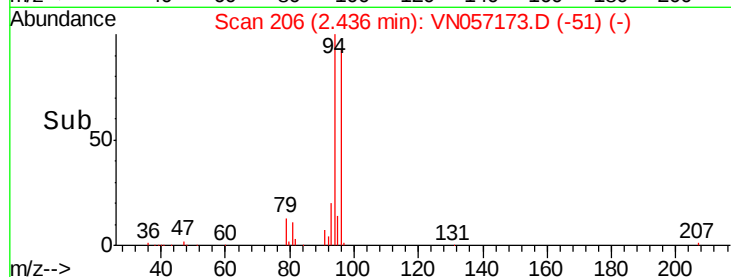
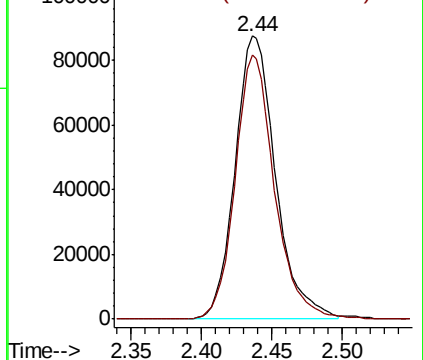
94 100

96 93.1 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.529 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN057173.D

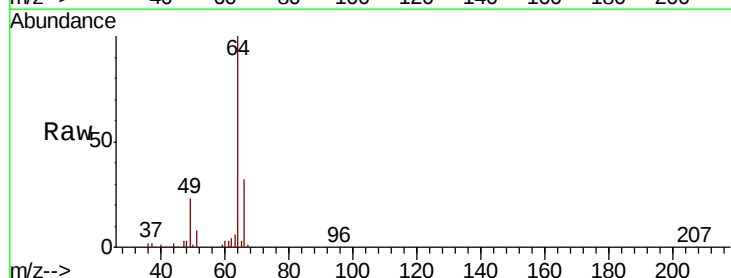
Acq: 10 Aug 2019 13:51

Tgt Ion: 64 Resp: 153989

Ion Ratio Lower Upper

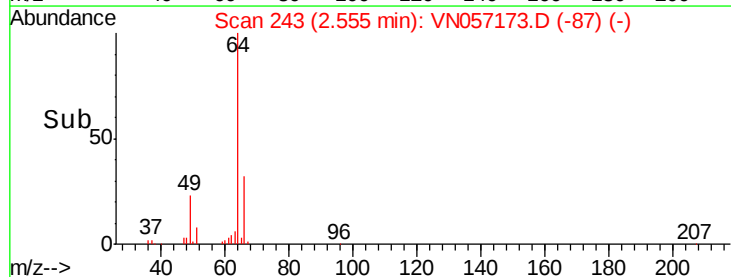
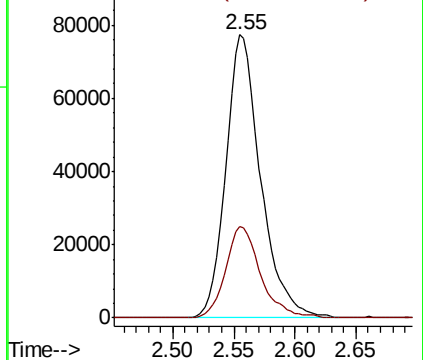
64 100

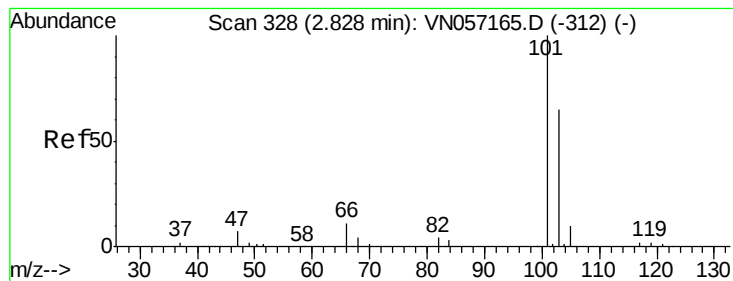
66 32.3 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



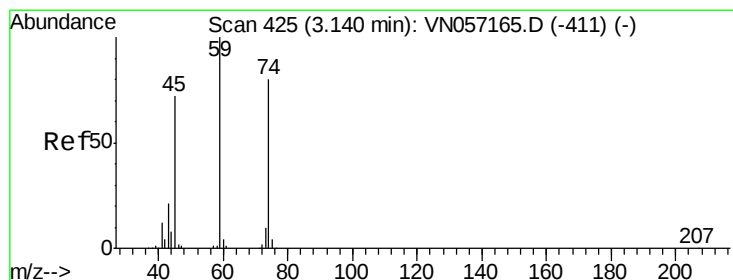
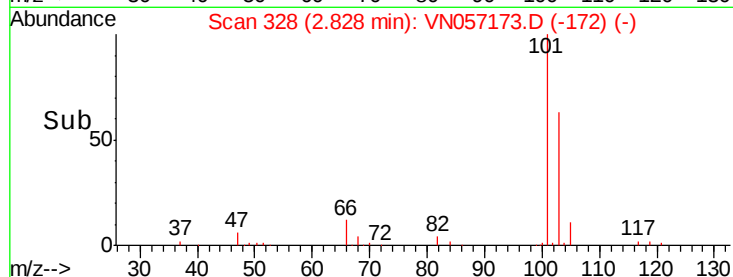
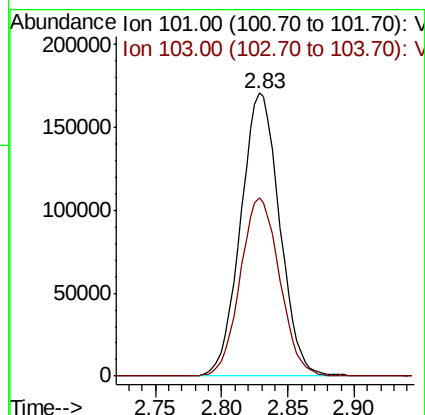
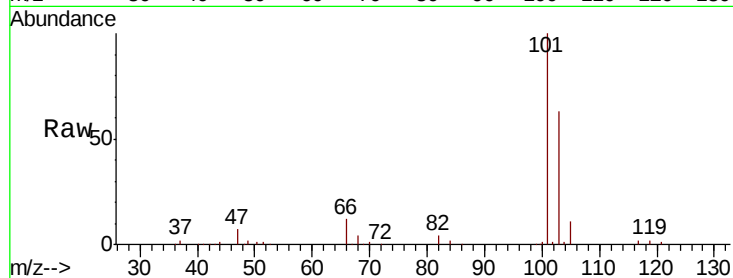


#7

Trichlorofluoromethane
 Concen: 19.278 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

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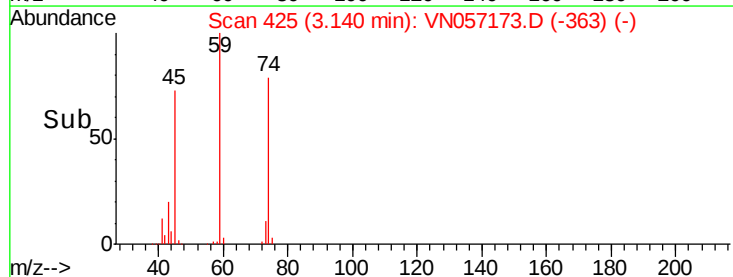
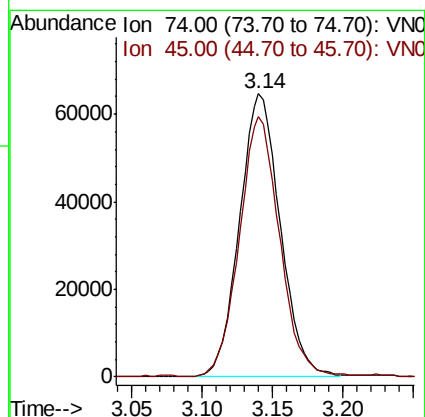
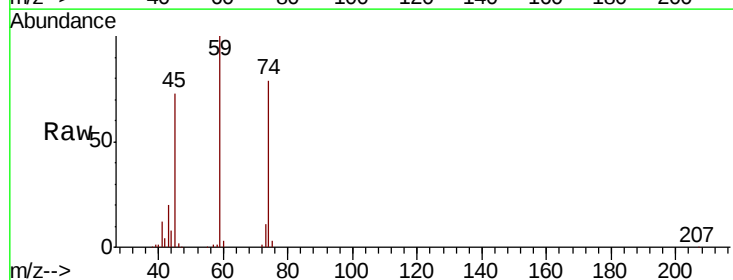
Tgt Ion: 101 Resp: 349533
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.8 77.8

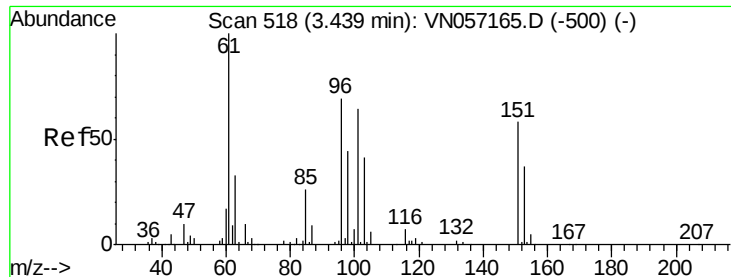


#8

Diethyl Ether
 Concen: 19.369 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 74 Resp: 130891
 Ion Ratio Lower Upper
 74 100
 45 89.8 17.9 161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.906 ug/l

RT: 3.44 min Scan# 518

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

BFB

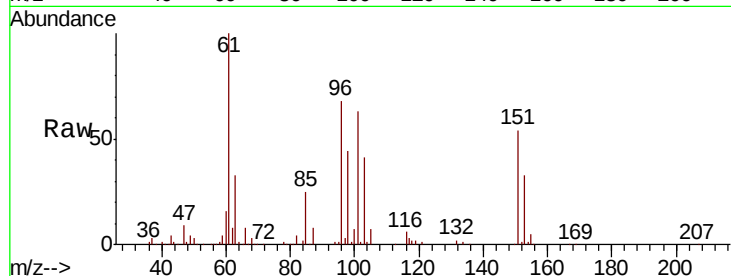
Tgt Ion: 101 Resp: 207347

Ion Ratio Lower Upper

101 100

85 41.6 0.0 84.4

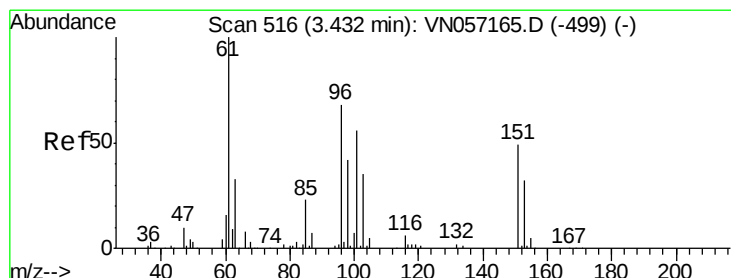
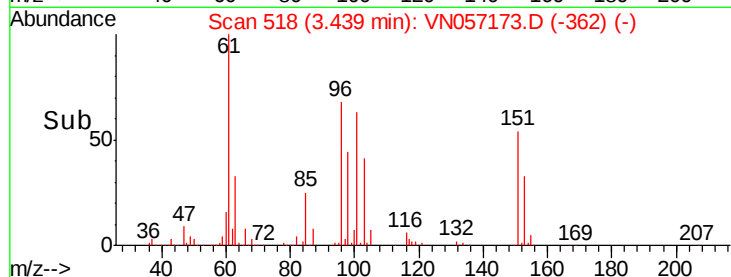
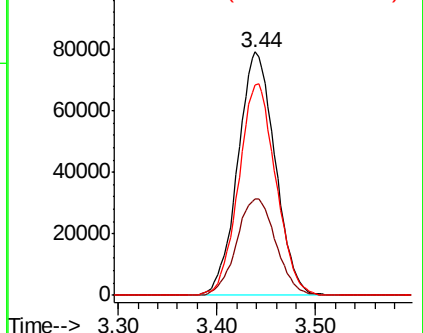
151 86.4 0.0 175.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.224 ug/l

RT: 3.43 min Scan# 516

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

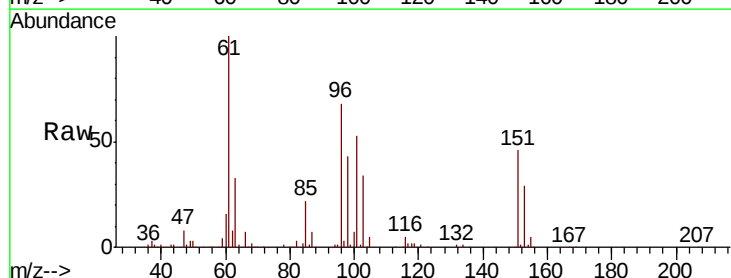
Tgt Ion: 96 Resp: 208463

Ion Ratio Lower Upper

96 100

61 146.7 118.2 177.2

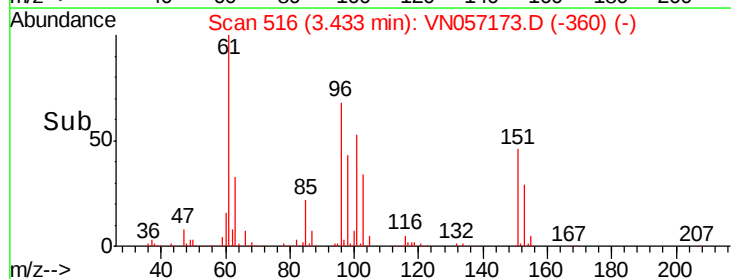
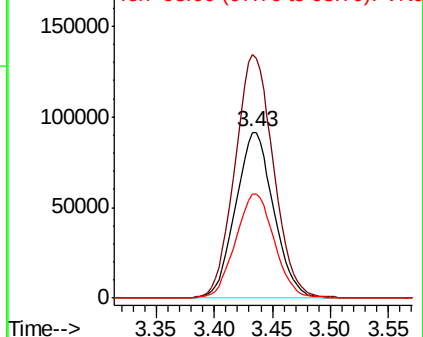
98 63.0 49.3 73.9

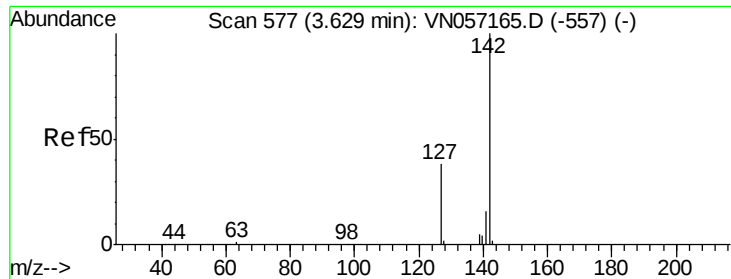


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

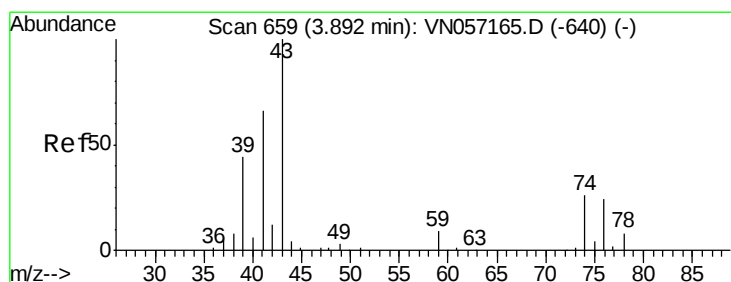
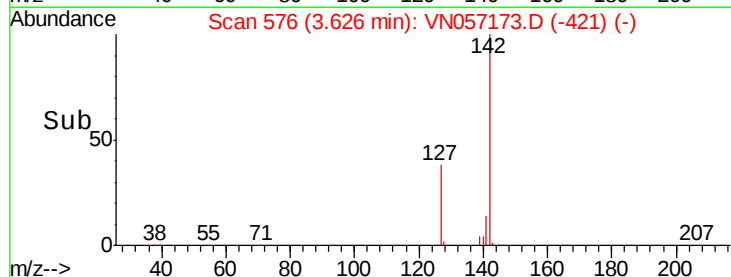
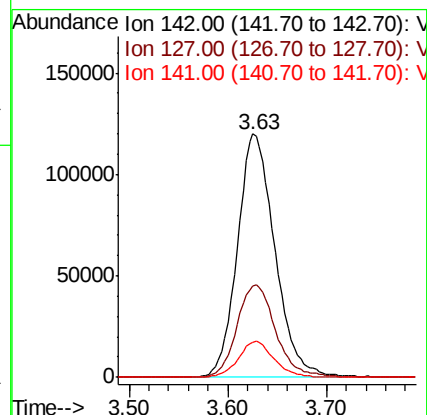
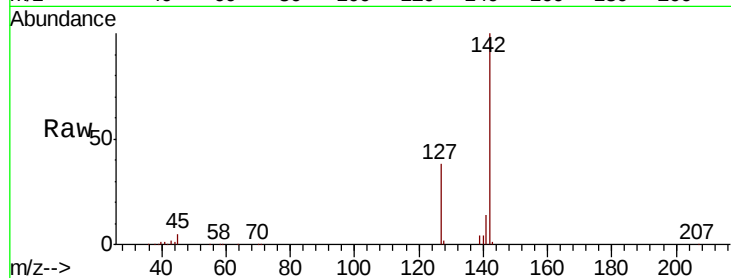




#11
Methyl Iodide
Concen: 18.650 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

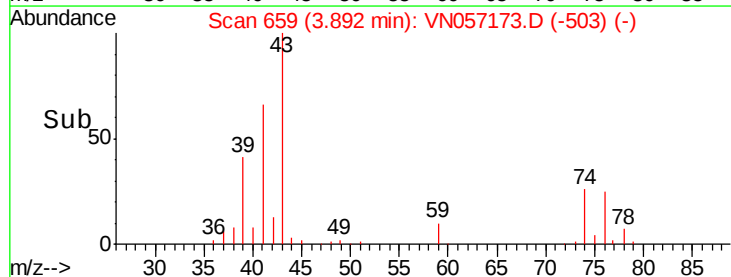
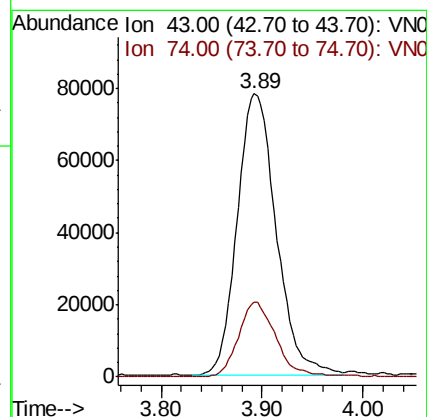
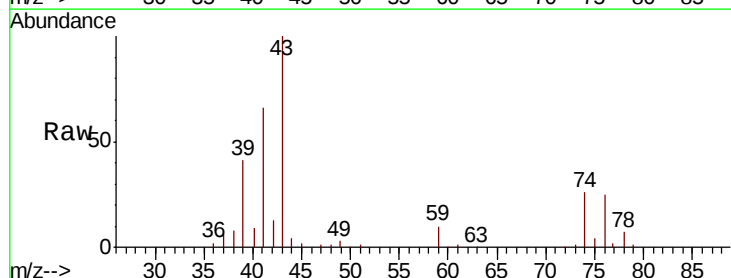
Instrument :
MSVOA_N
ClientSampleId :
BFB

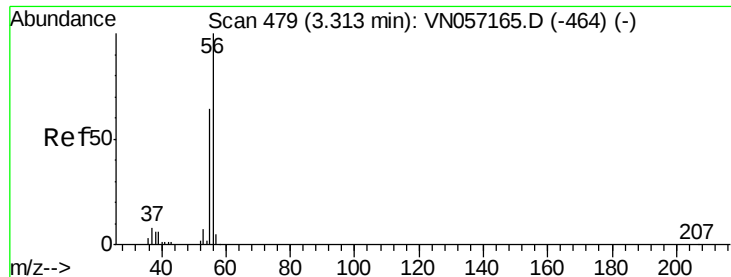
Tgt Ion: 142 Resp: 315571
Ion Ratio Lower Upper
142 100
127 37.6 19.0 57.0
141 14.4 7.8 23.5



#12
Methyl Acetate
Concen: 18.635 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 43 Resp: 210503
Ion Ratio Lower Upper
43 100
74 26.2 20.5 30.7





#13

Acrolein

Concen: 96.567 ug/l

RT: 3.31 min Scan# 478

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

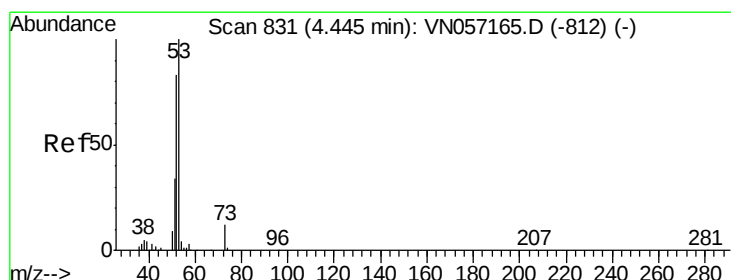
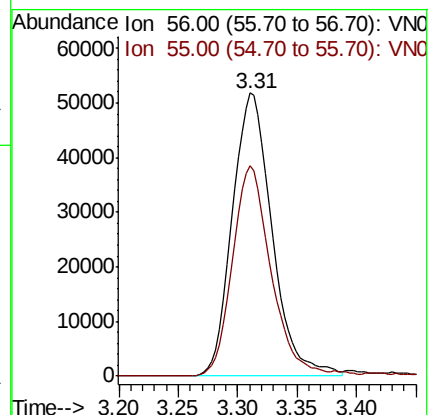
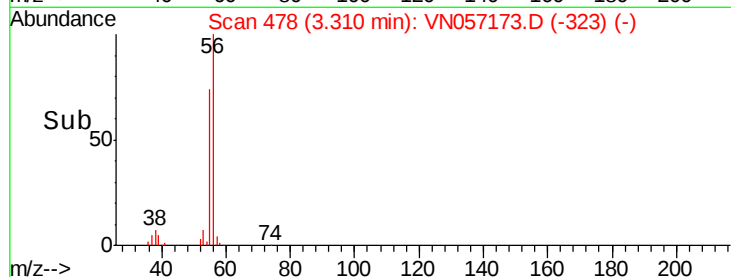
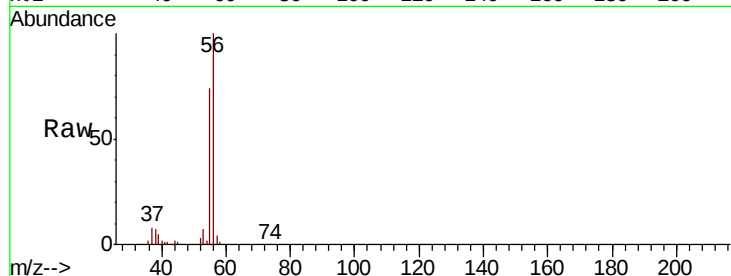
BFB

Tgt Ion: 56 Resp: 120297

Ion Ratio Lower Upper

56 100

55 71.7 56.5 84.7



#14

Acrylonitrile

Concen: 95.645 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

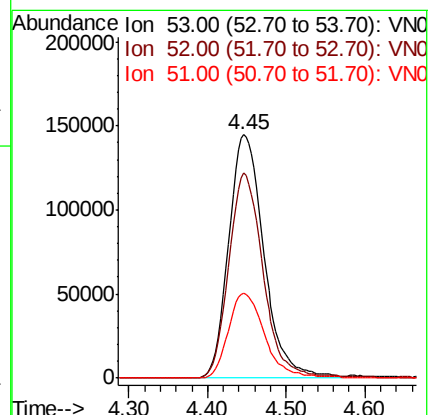
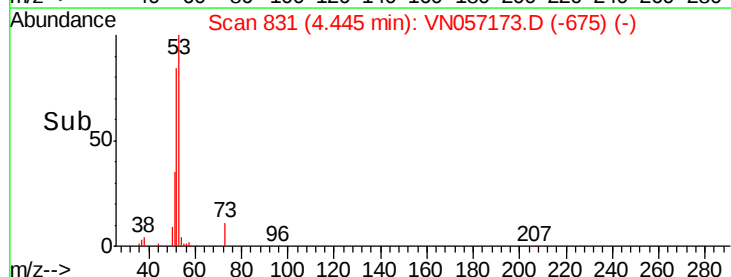
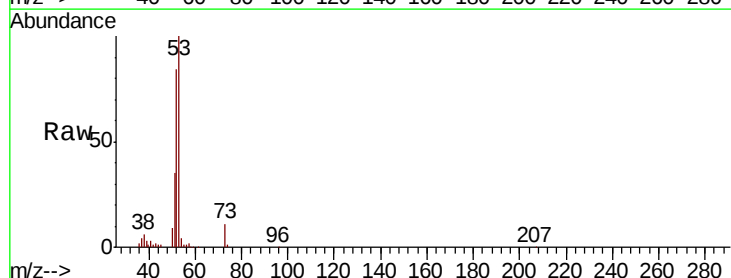
Tgt Ion: 53 Resp: 450756

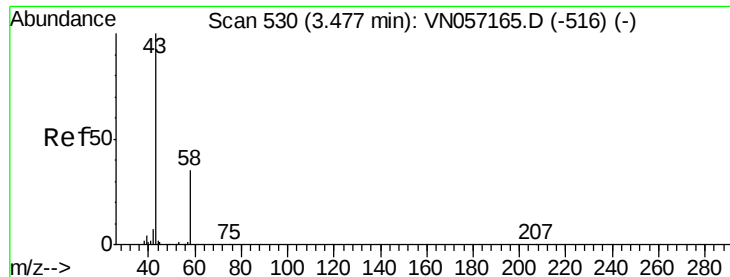
Ion Ratio Lower Upper

53 100

52 82.2 41.1 123.4

51 35.7 17.4 52.3





#15

Acetone

Concen: 76.699 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

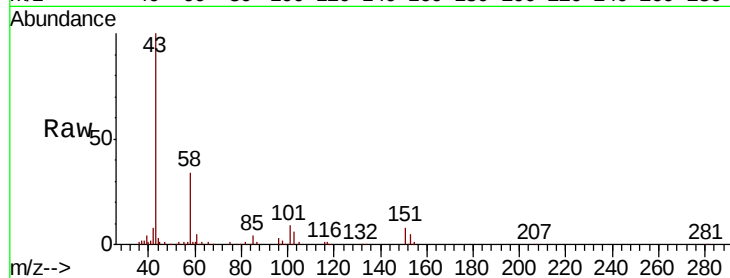
BFB

Tgt Ion: 58 Resp: 119965

Ion Ratio Lower Upper

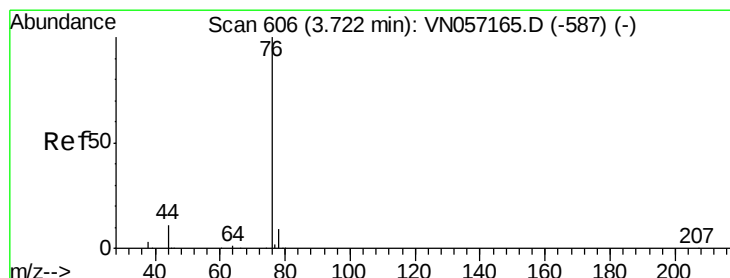
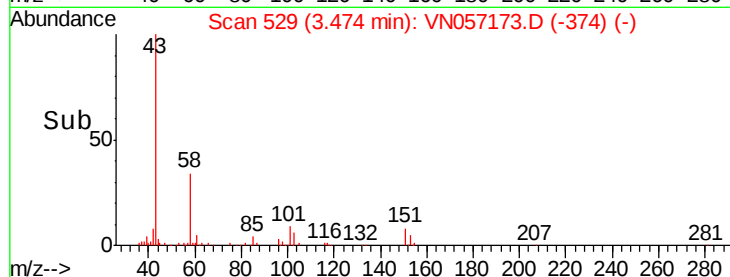
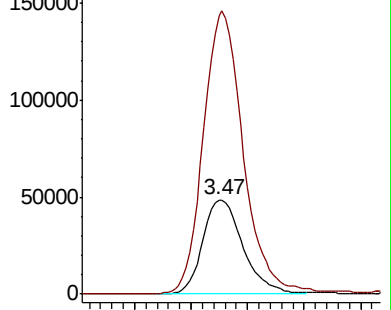
58 100

43 294.2 226.2 339.2



Abundance Ion 58.00 (57.70 to 58.70): VN057173.D (-529) (-)

Ion 43.00 (42.70 to 43.70): VN057173.D (-529) (-)



#16

Carbon Disulfide

Concen: 18.664 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057173.D

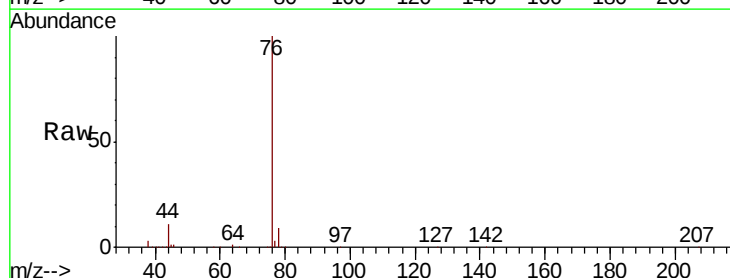
Acq: 10 Aug 2019 13:51

Tgt Ion: 76 Resp: 546000

Ion Ratio Lower Upper

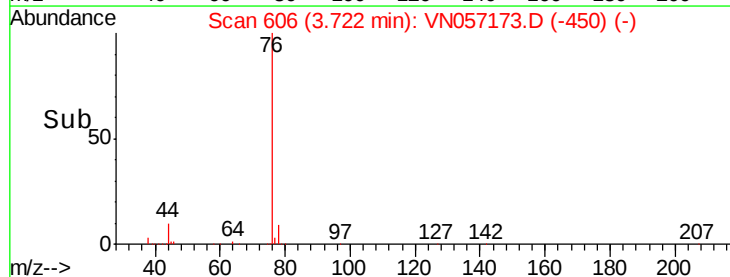
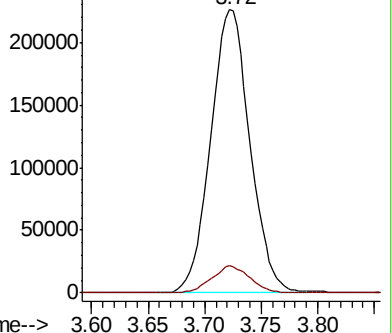
76 100

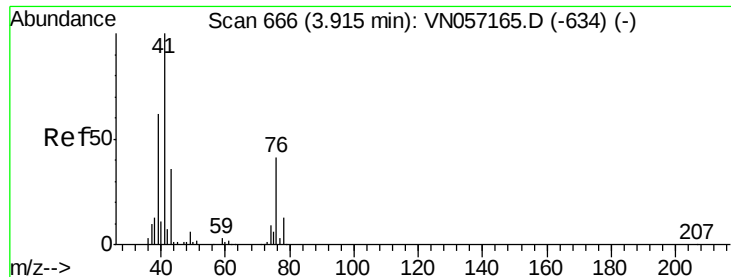
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN057173.D (-606) (-)

Ion 78.00 (77.70 to 78.70): VN057173.D (-606) (-)





#17

Allyl chloride

Concen: 18.304 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

BFB

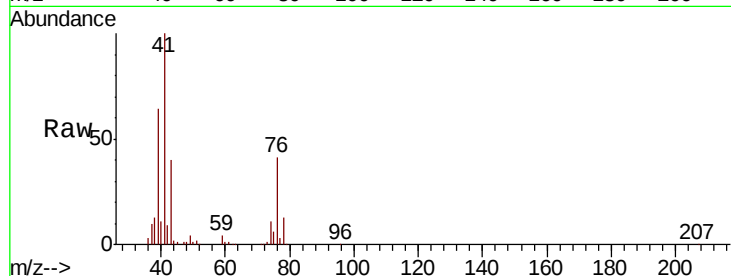
Tgt Ion: 41 Resp: 292607

Ion Ratio Lower Upper

41 100

39 63.5 31.2 93.6

76 40.9 20.5 61.6

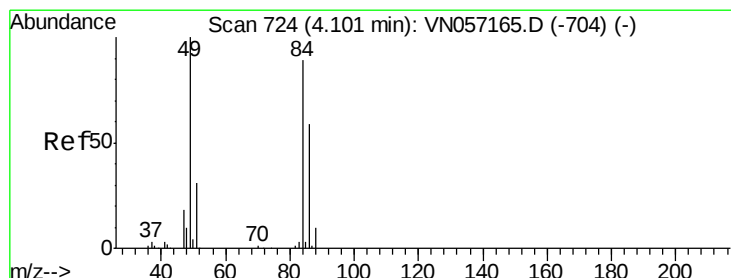
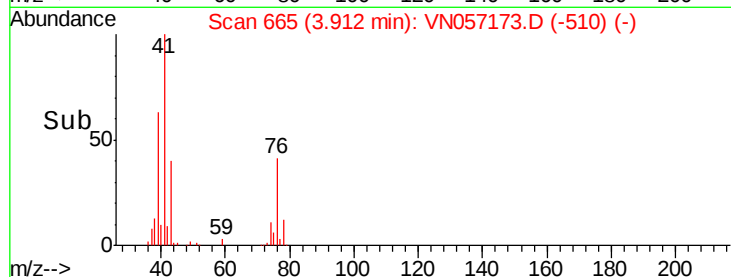
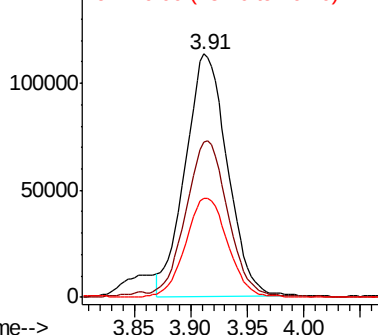


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 18.972 ug/l

RT: 4.10 min Scan# 724

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Tgt Ion: 84 Resp: 233231

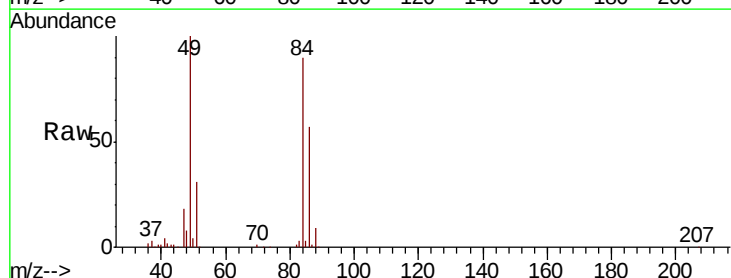
Ion Ratio Lower Upper

84 100

49 110.3 90.1 135.1

51 34.2 27.9 41.9

86 62.7 53.0 79.6



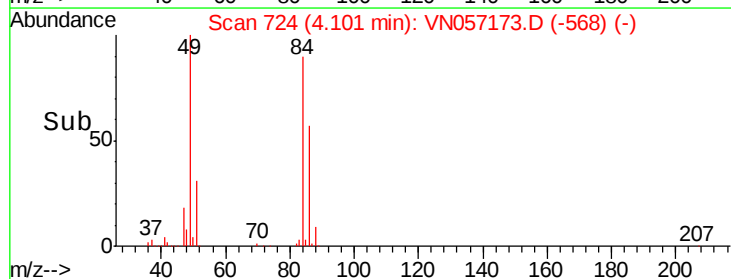
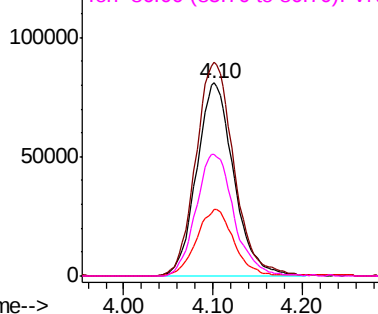
Abundance

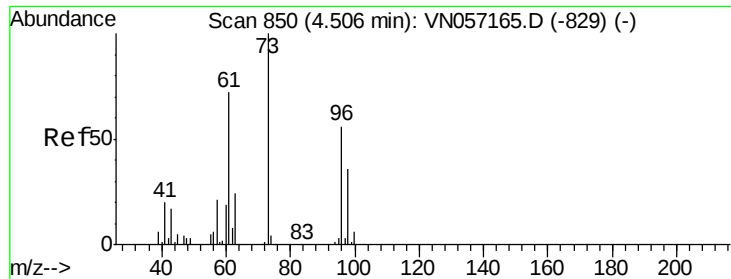
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

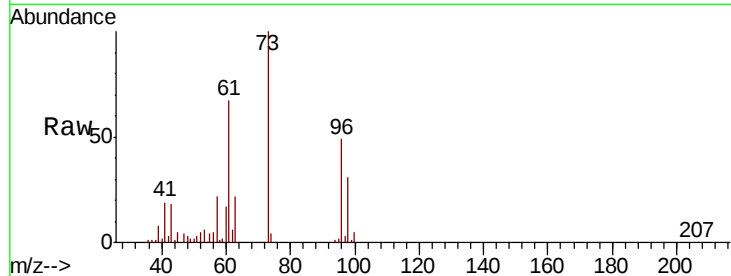




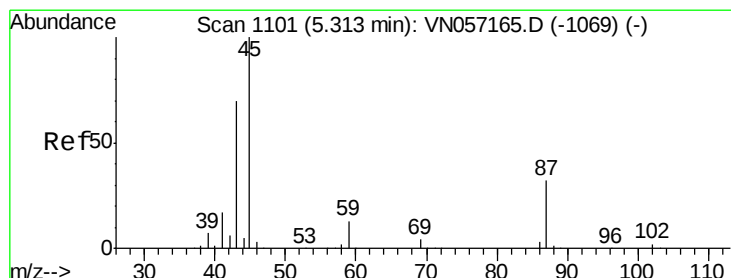
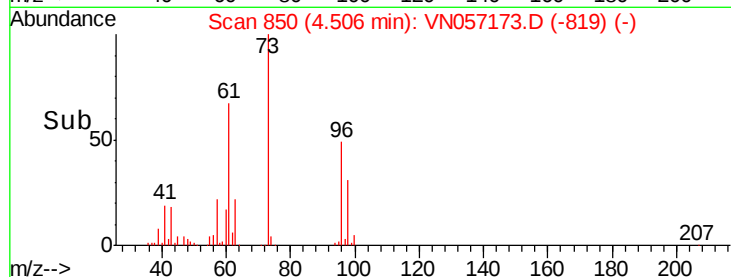
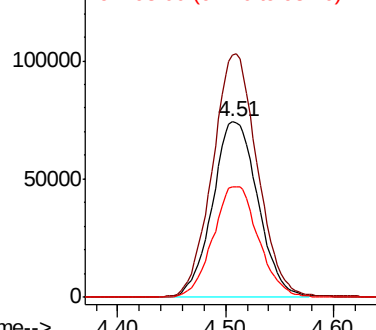
#19
trans-1,2-Dichloroethene
Concen: 18.697 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampled :
BFB

Tgt Ion: 96 Resp: 217362
Ion Ratio Lower Upper
96 100
61 137.4 103.6 155.4
98 63.0 51.3 76.9

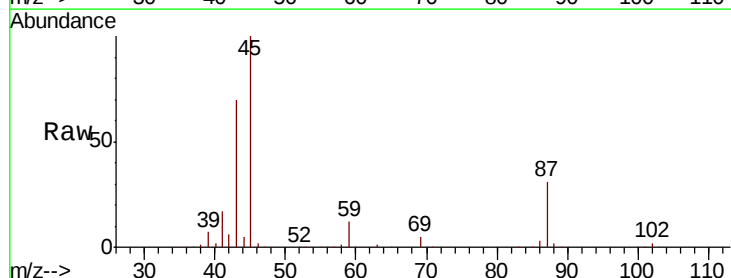


Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

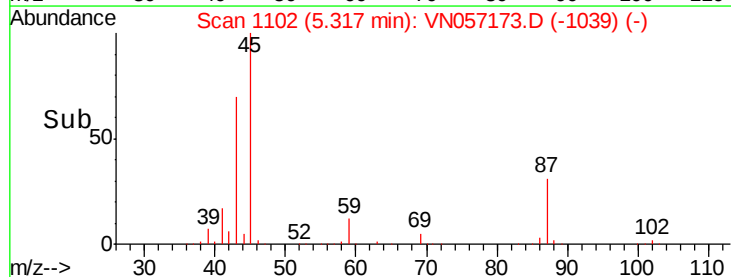
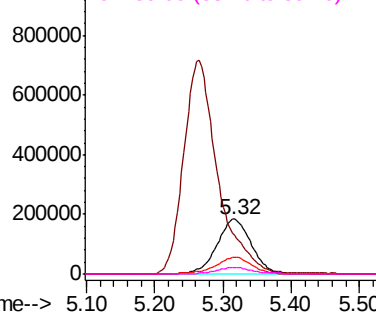


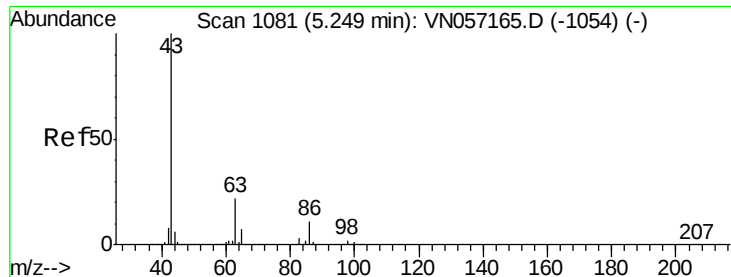
#20
Diisopropyl ether
Concen: 19.757 ug/l
RT: 5.32 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 45 Resp: 644156
Ion Ratio Lower Upper
45 100
43 68.7 60.0 90.0
87 30.5 25.9 38.9
59 12.2 10.5 15.7



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

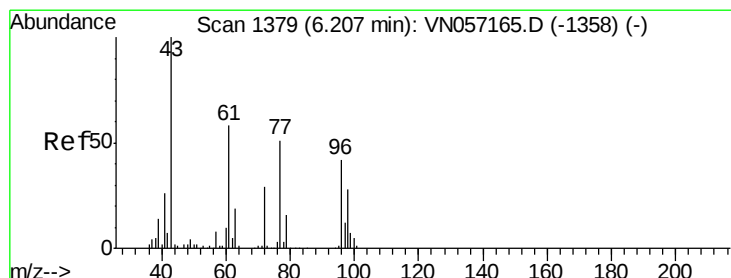
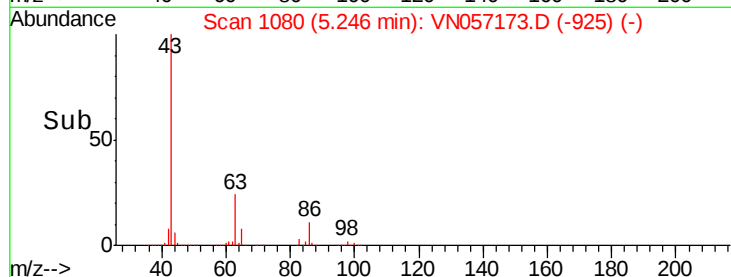
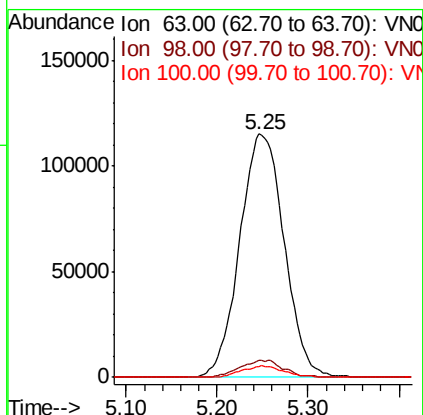
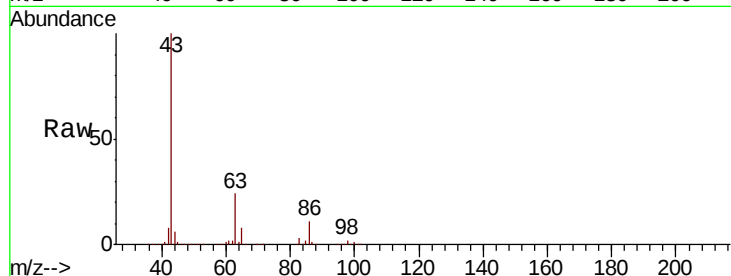




#21
 1,1-Dichloroethane
 Concen: 19.226 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

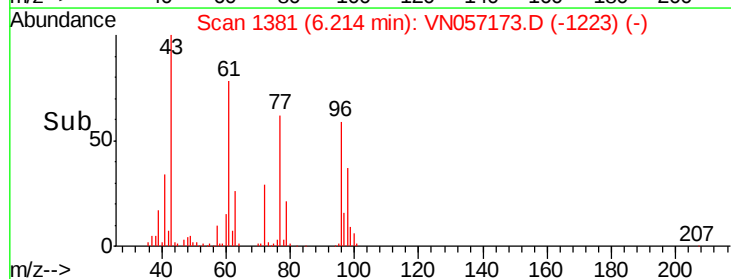
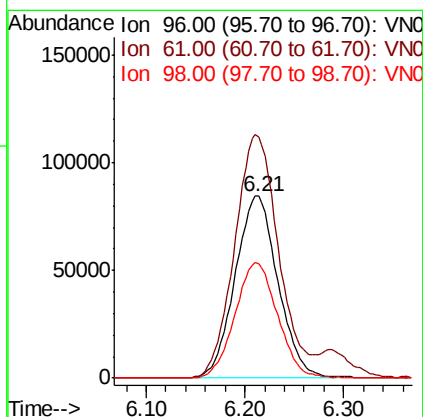
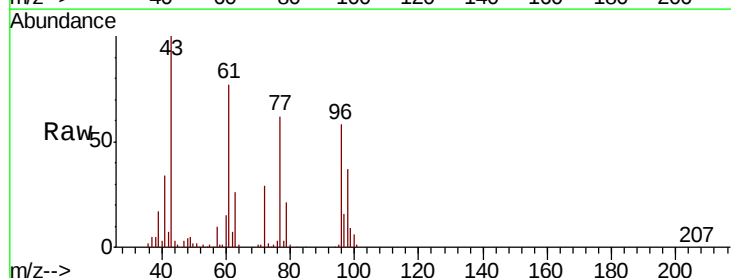
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

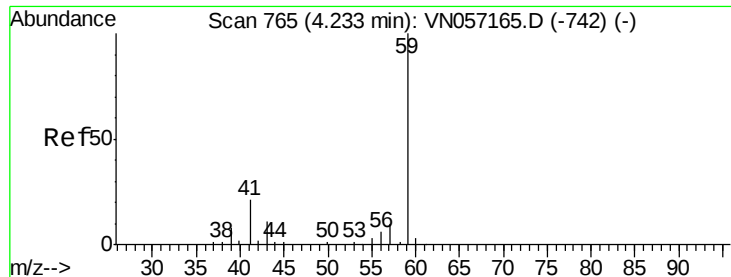
Tgt Ion: 63 Resp: 390406
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.4
 100 4.6 1.9 5.7



#22
 cis-1,2-Dichloroethene
 Concen: 19.192 ug/l
 RT: 6.21 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 96 Resp: 253935
 Ion Ratio Lower Upper
 96 100
 61 137.0 109.2 163.8
 98 63.2 51.7 77.5





#23

tert-Butyl Alcohol

Concen: 80.031 ug/l

RT: 4.23 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

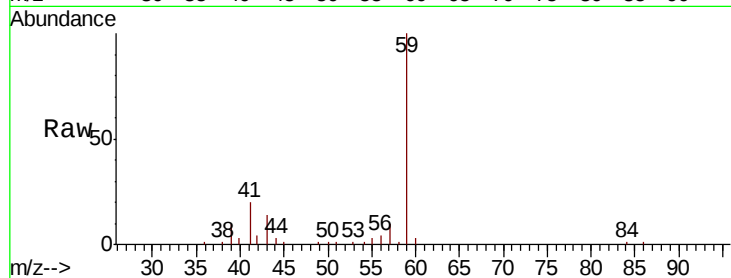
BFB

Tgt Ion: 59 Resp: 124461

Ion Ratio Lower Upper

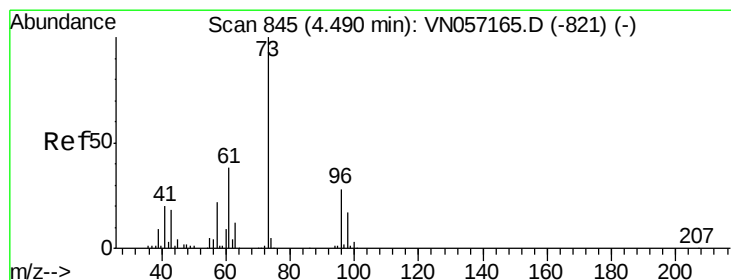
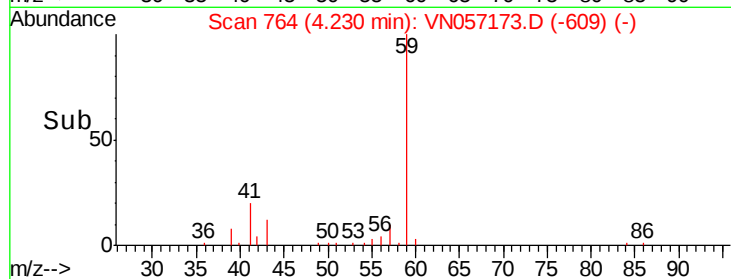
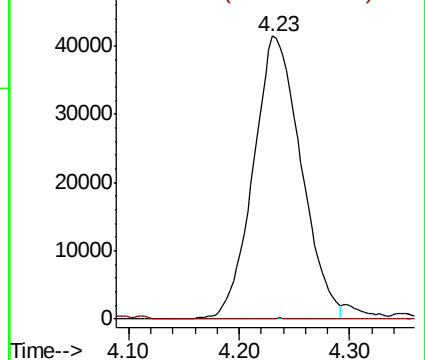
59 100

52 0.1 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.559 ug/l

RT: 4.49 min Scan# 845

Delta R.T. 0.00 min

Lab File: VN057173.D

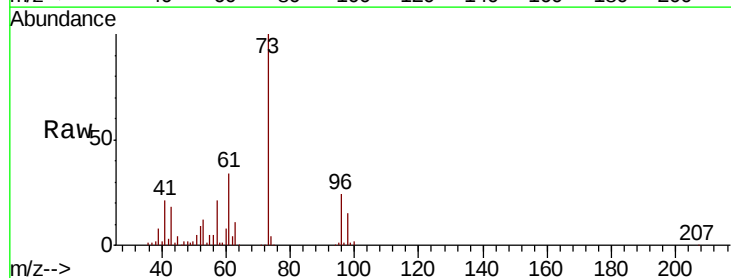
Acq: 10 Aug 2019 13:51

Tgt Ion: 73 Resp: 623694

Ion Ratio Lower Upper

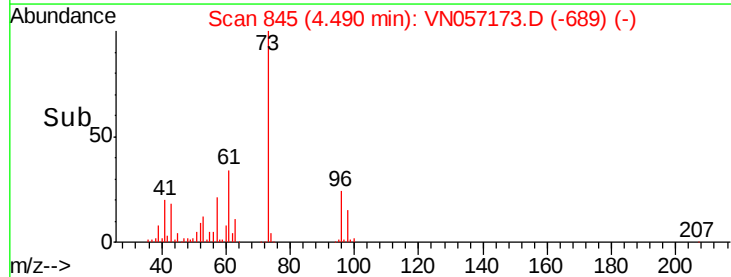
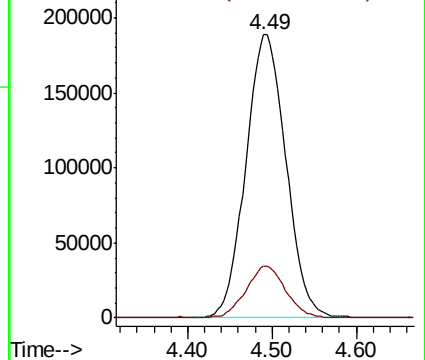
73 100

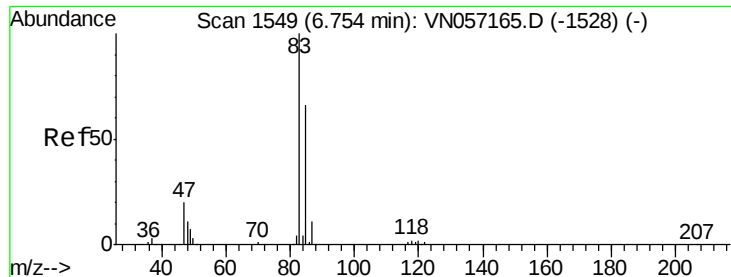
43 17.7 14.3 21.5



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

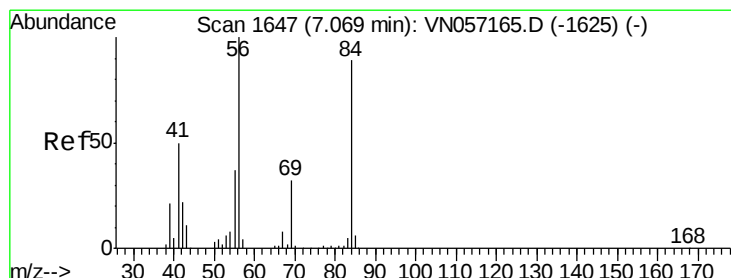
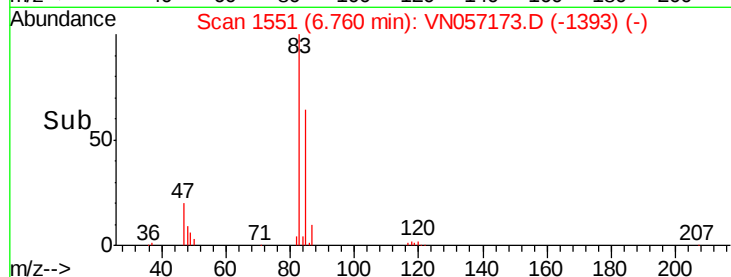
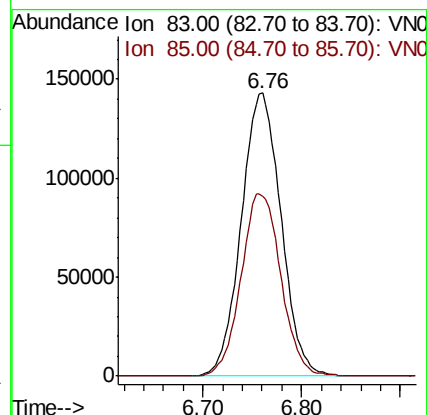
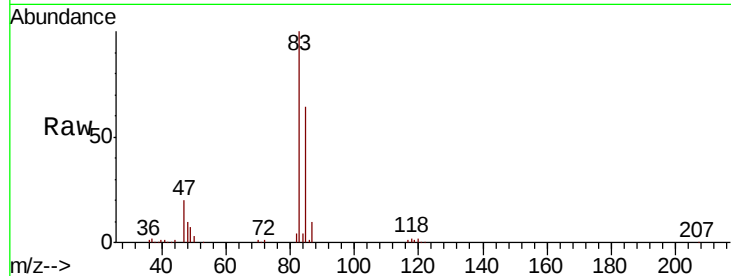




#25
Chloroform
Concen: 19.118 ug/l
RT: 6.76 min Scan# 1551
Delta R.T. 0.01 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

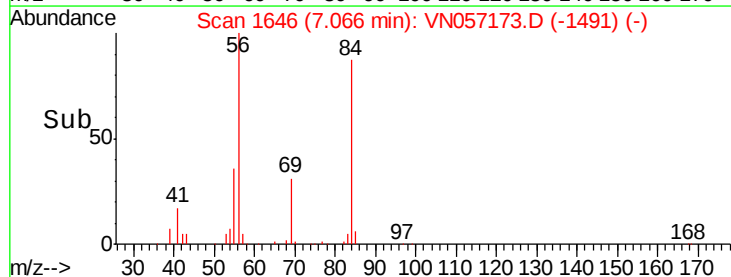
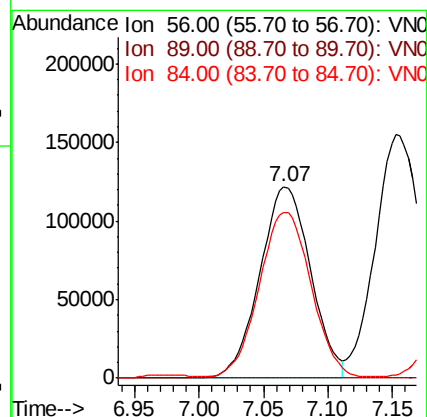
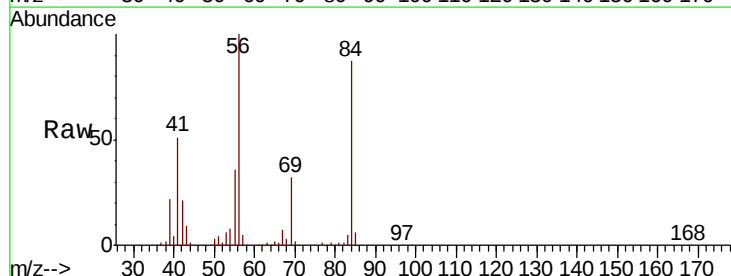
Instrument :
MSVOA_N
ClientSampleId :
BFB

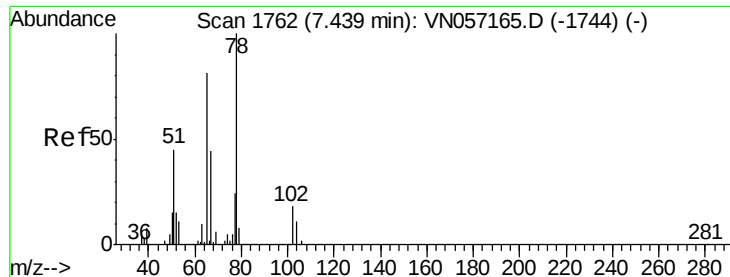
Tgt Ion: 83 Resp: 399180
Ion Ratio Lower Upper
83 100
85 63.7 52.5 78.7



#26
Cyclohexane
Concen: 19.234 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 56 Resp: 333881
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.0 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 29.306 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

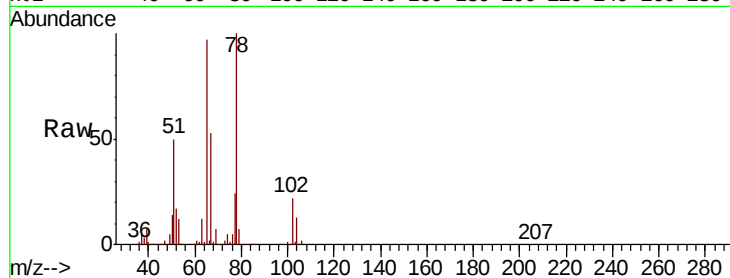
BFB

Tgt Ion: 65 Resp: 361387

Ion Ratio Lower Upper

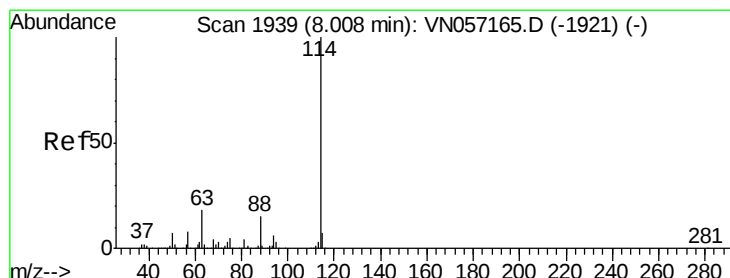
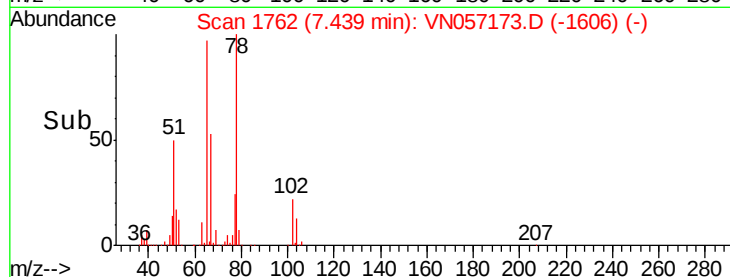
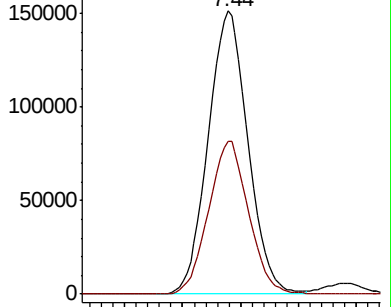
65 100

67 54.4 42.4 63.6



Abundance Ion 65.00 (64.70 to 65.70): VN057173.D (-1606) (-)

Ion 67.00 (66.70 to 67.70): VN057173.D (-1606) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

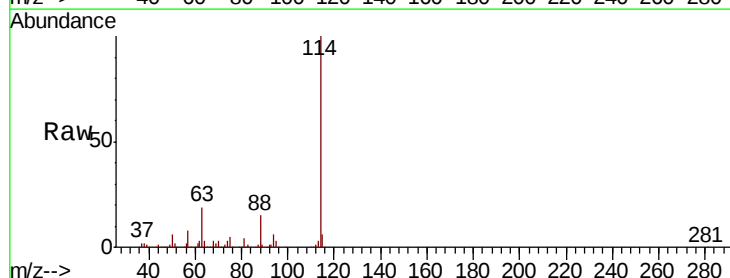
Tgt Ion: 114 Resp: 1021576

Ion Ratio Lower Upper

114 100

63 18.6 14.6 21.8

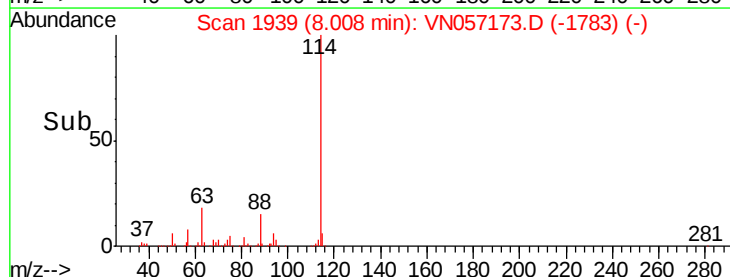
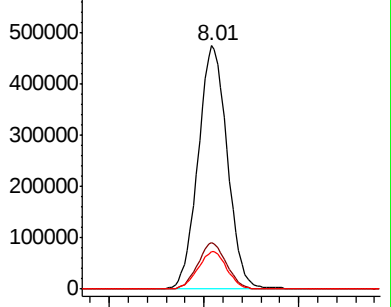
88 15.3 12.2 18.2

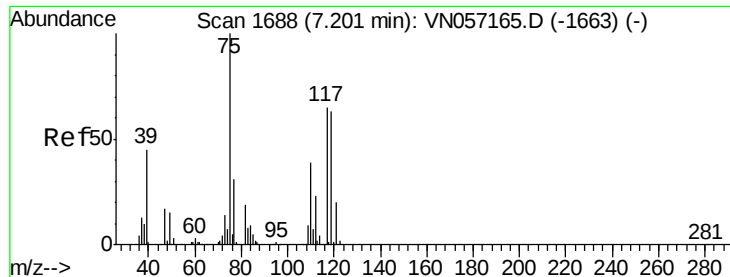


Abundance Ion 114.00 (113.70 to 114.70): VN057173.D (-1783) (-)

Ion 63.00 (62.70 to 63.70): VN057173.D (-1783) (-)

Ion 88.00 (87.70 to 88.70): VN057173.D (-1783) (-)





#29

1,1-Dichloropropene

Concen: 19.223 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

BFB

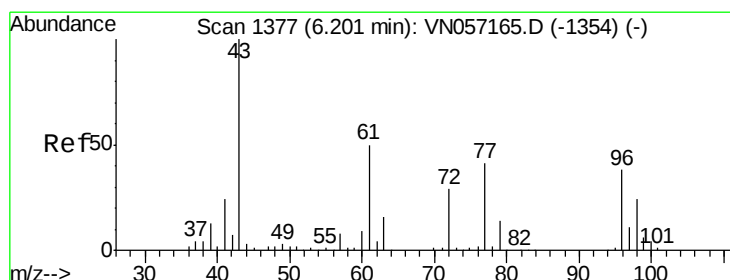
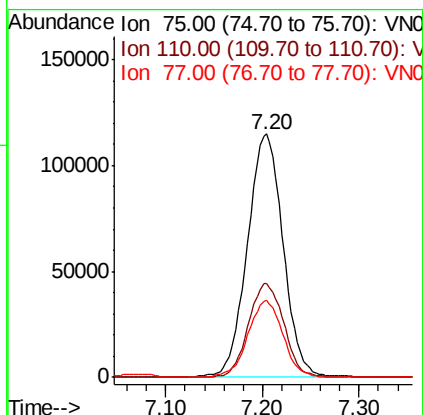
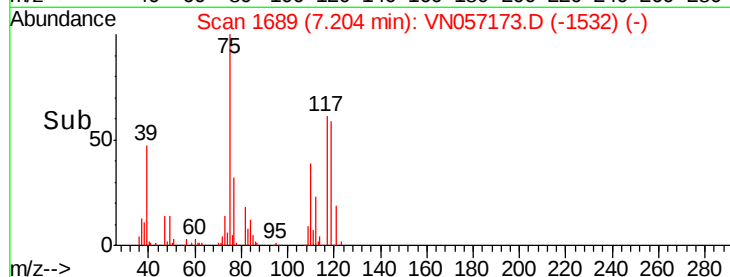
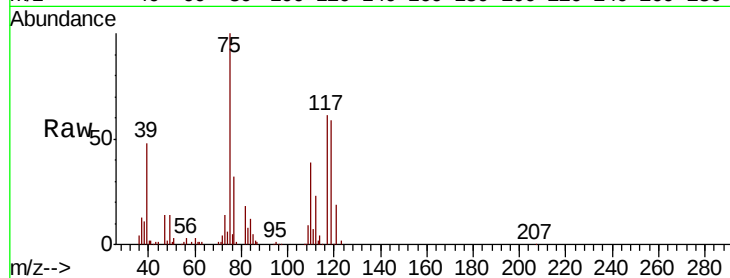
Tgt Ion: 75 Resp: 295313

Ion Ratio Lower Upper

75 100

110 38.0 0.0 75.6

77 30.8 0.0 62.4



#30

2-Butanone

Concen: 88.434 ug/l

RT: 6.20 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

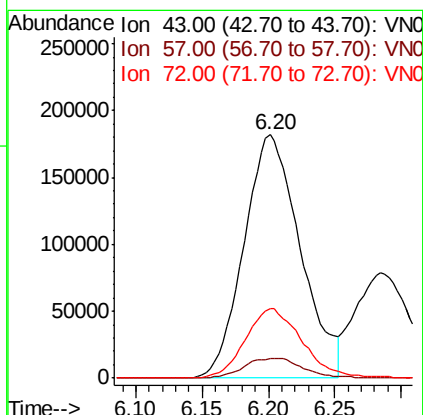
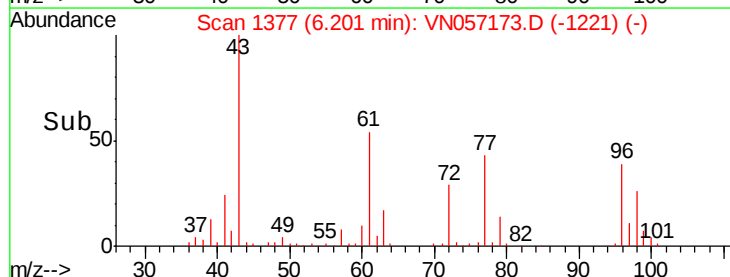
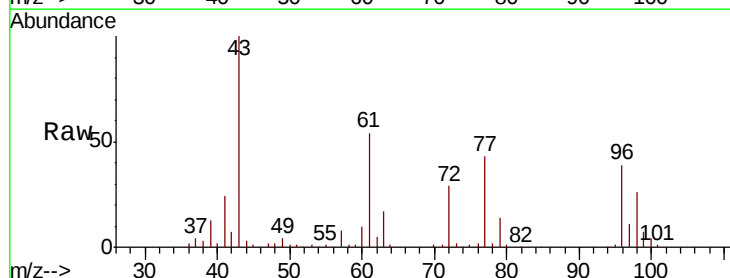
Tgt Ion: 43 Resp: 534877

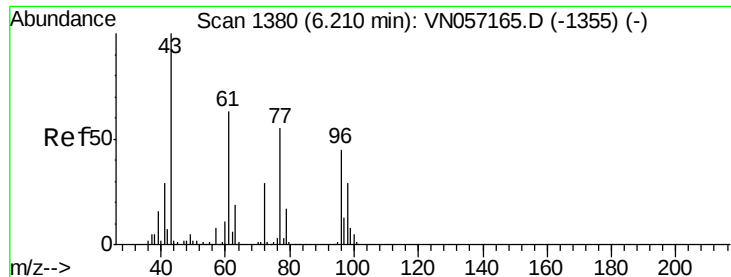
Ion Ratio Lower Upper

43 100

57 8.7 6.8 10.2

72 29.0 23.0 34.6

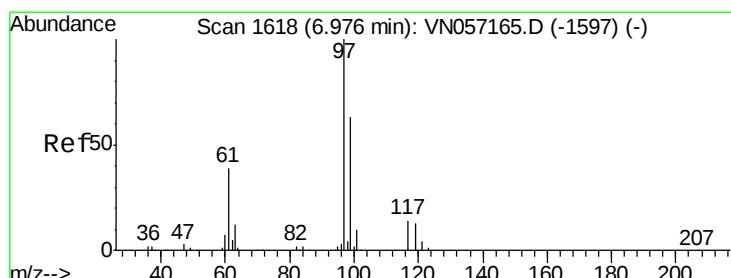
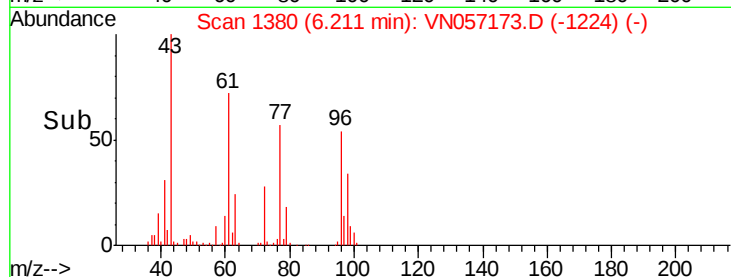
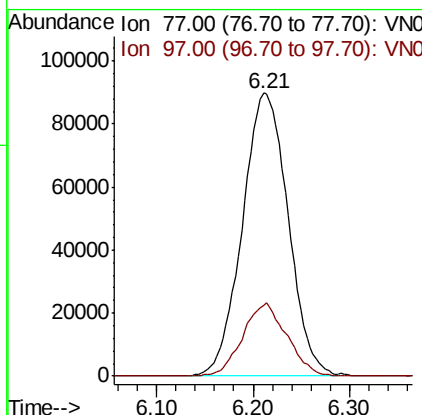
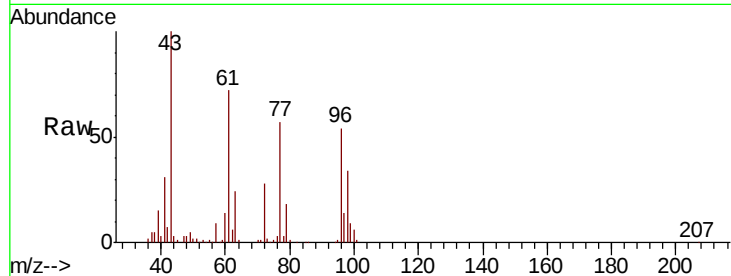




#31
 2,2-Dichloropropane
 Concen: 17.987 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

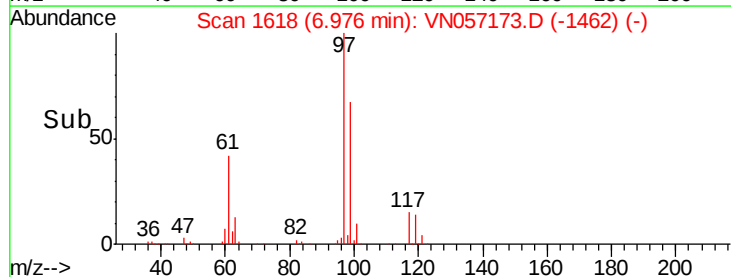
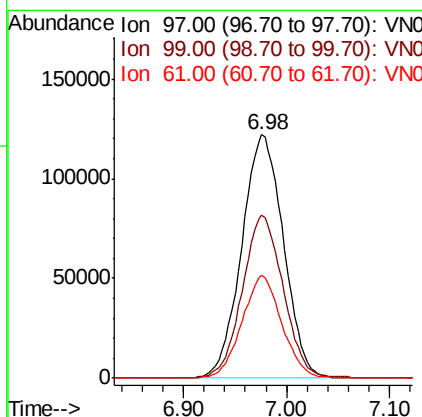
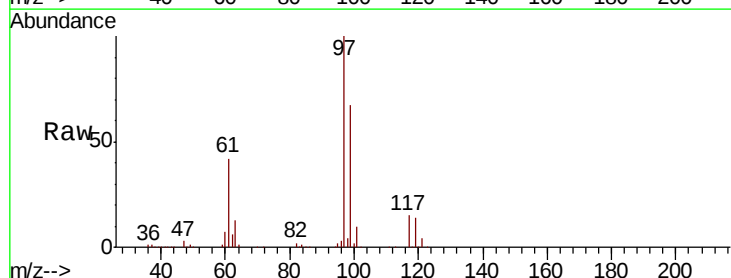
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

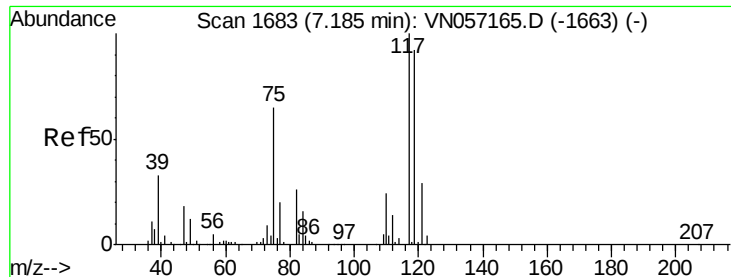
Tgt Ion: 77 Resp: 295447
 Ion Ratio Lower Upper
 77 100
 97 24.9 19.4 29.2



#32
 1,1,1-Trichloroethane
 Concen: 19.272 ug/l
 RT: 6.98 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 97 Resp: 342874
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.4 78.6
 61 40.2 32.3 48.5

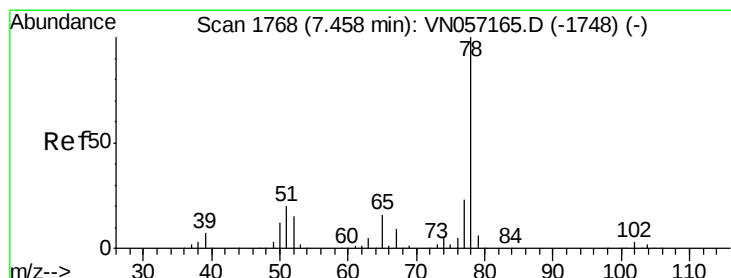
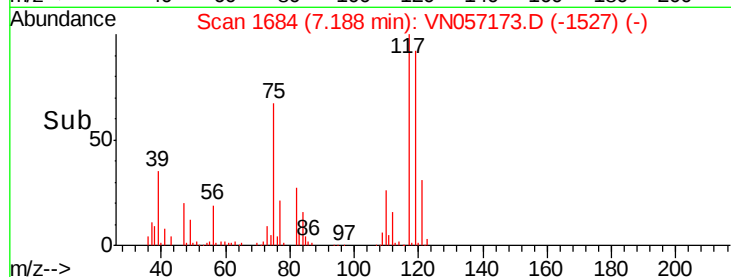
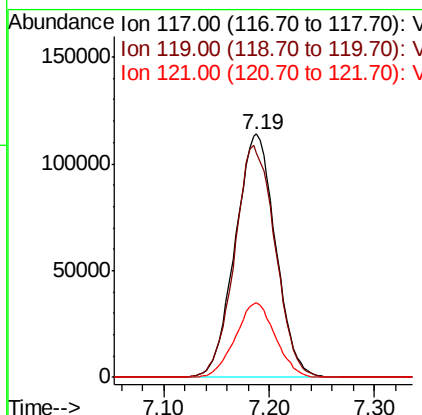
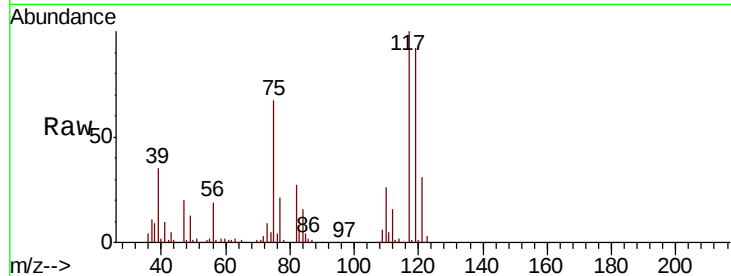




#33
Carbon Tetrachloride
Concen: 19.112 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

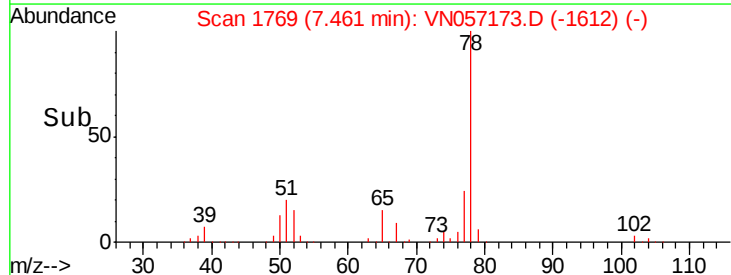
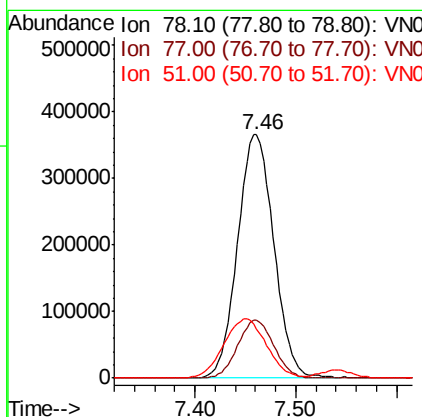
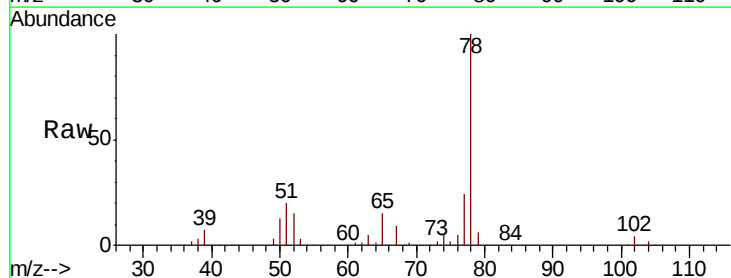
Instrument :
MSVOA_N
ClientSampleId :
BFB

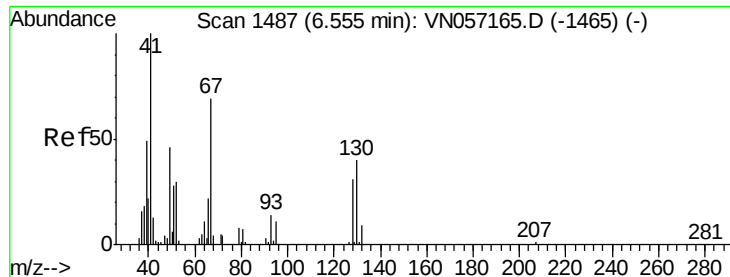
Tgt Ion: 117 Resp: 302688
Ion Ratio Lower Upper
117 100
119 92.1 73.9 110.9
121 30.6 23.4 35.2



#34
Benzene
Concen: 19.426 ug/l
RT: 7.46 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 78 Resp: 911013
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5
51 20.0 16.2 24.2

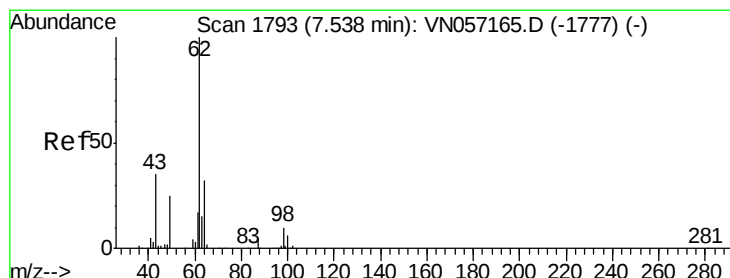
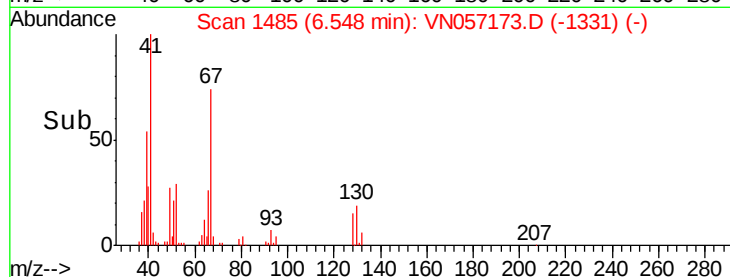
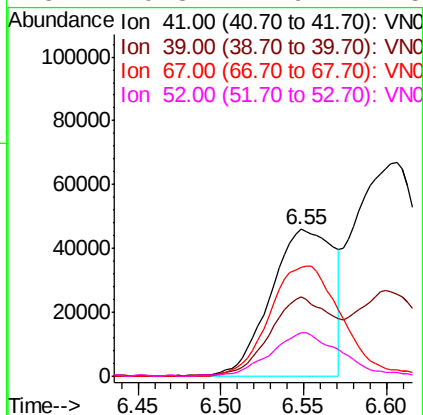
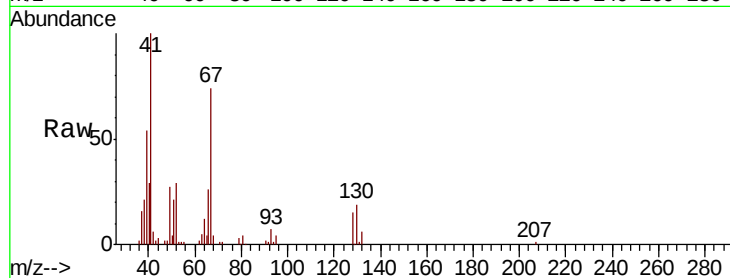




#35
Methacrylonitrile
Concen: 19.876 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

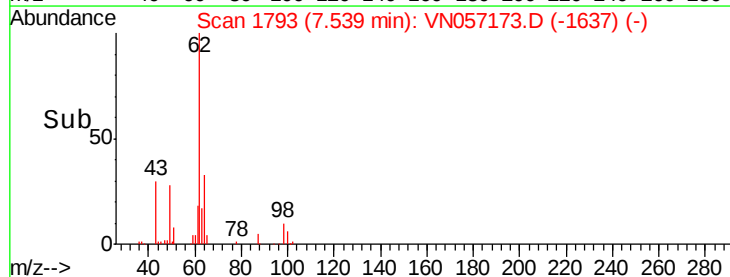
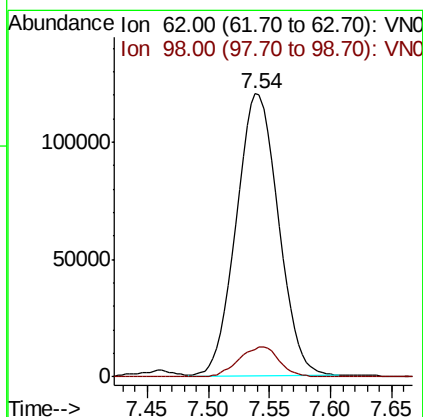
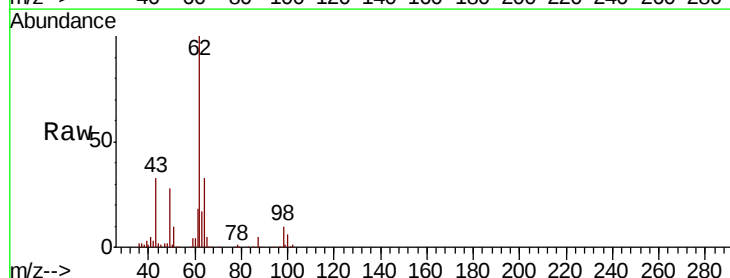
Instrument :
MSVOA_N
ClientSampled :
BFB

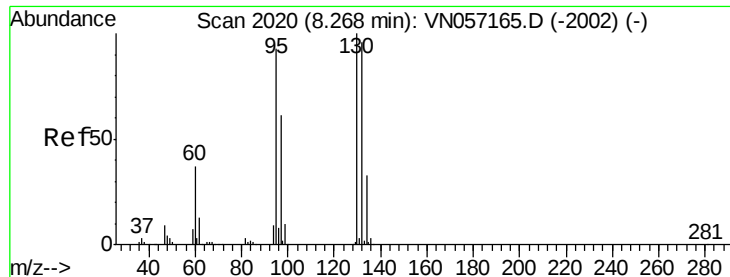
Tgt Ion:	41	Resp:	121498
Ion	Ratio	Lower	Upper
41	100		
39	53.1	24.6	74.0
67	74.5	34.4	103.2
52	29.3	14.9	44.5



#36
1,2-Dichloroethane
Concen: 19.240 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion:	62	Resp:	288244
Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.2	12.4

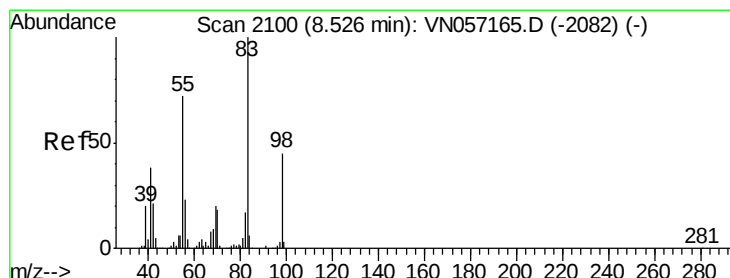
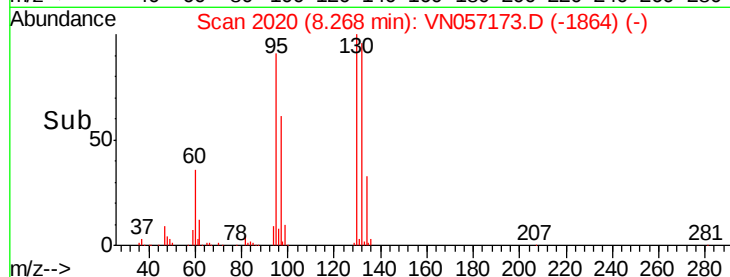
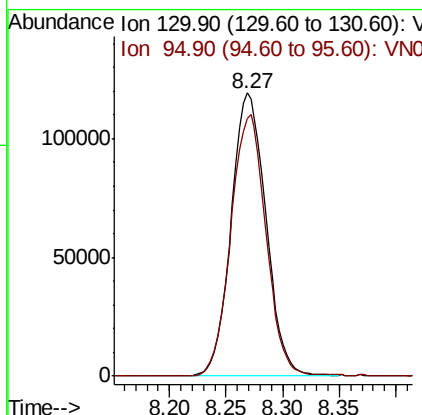
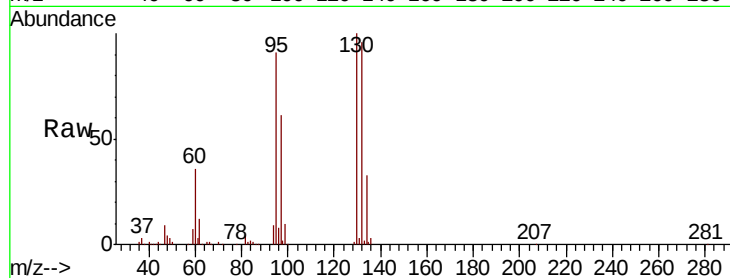




#37
 Trichloroethene
 Concen: 19.201 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

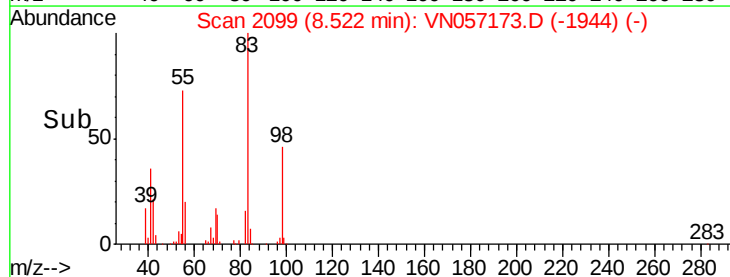
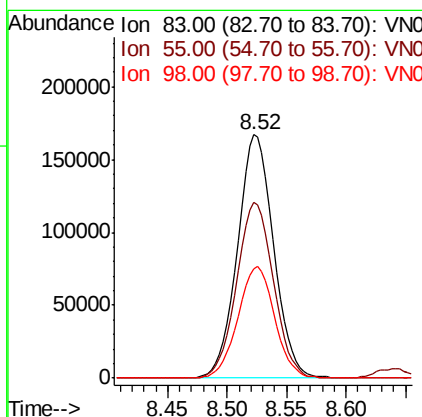
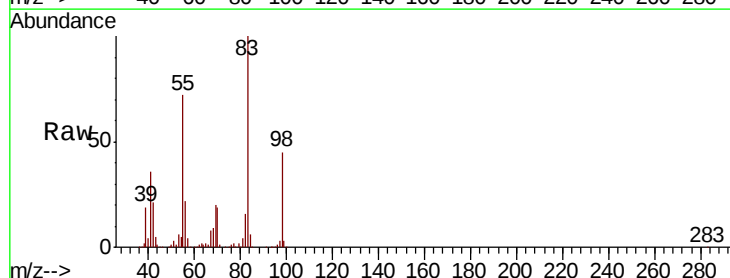
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

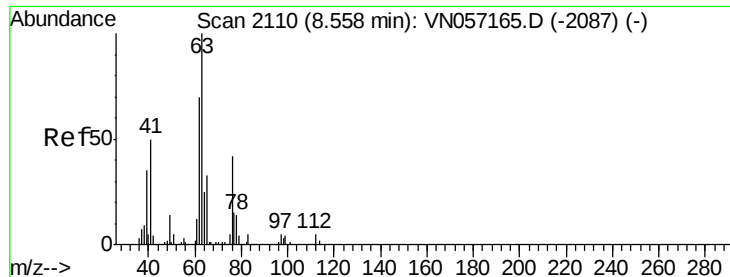
Tgt Ion:130 Resp: 255867
 Ion Ratio Lower Upper
 130 100
 95 90.9 74.6 112.0



#38
 Methylcyclohexane
 Concen: 19.183 ug/l
 RT: 8.52 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 83 Resp: 351680
 Ion Ratio Lower Upper
 83 100
 55 73.5 36.5 109.7
 98 46.6 23.4 70.0





#39

1,2-Dichloropropane

Concen: 19.254 ug/l

RT: 8.56 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

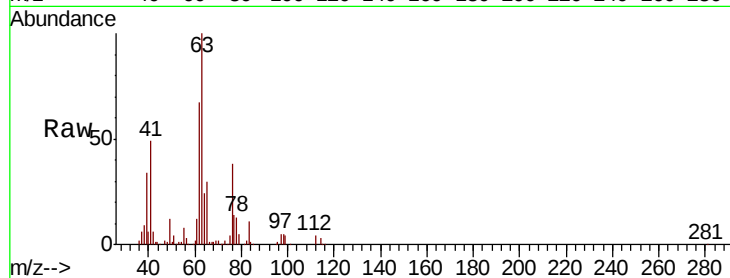
BFB

Tgt Ion: 63 Resp: 232744

Ion Ratio Lower Upper

63 100

65 29.5 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

8.56

120000

100000

80000

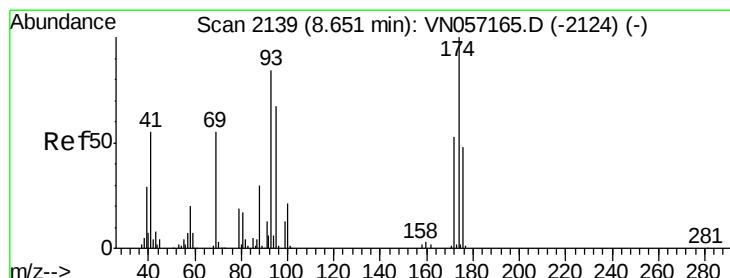
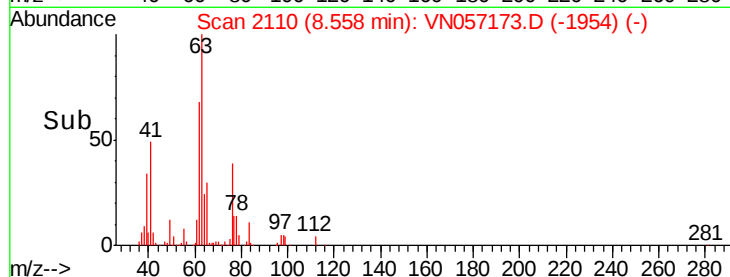
60000

40000

20000

0

Time-->



#40

Dibromomethane

Concen: 19.762 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

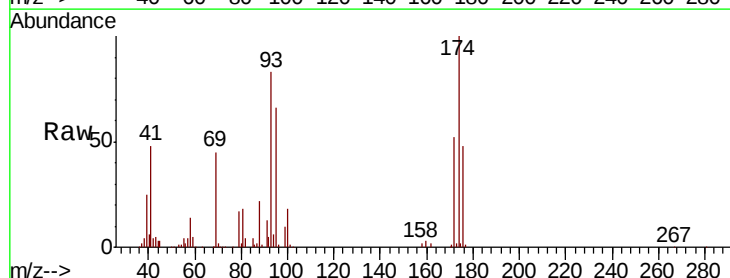
Tgt Ion: 93 Resp: 153785

Ion Ratio Lower Upper

93 100

95 83.3 0.0 165.0

174 120.9 0.0 245.4



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

120000

100000

80000

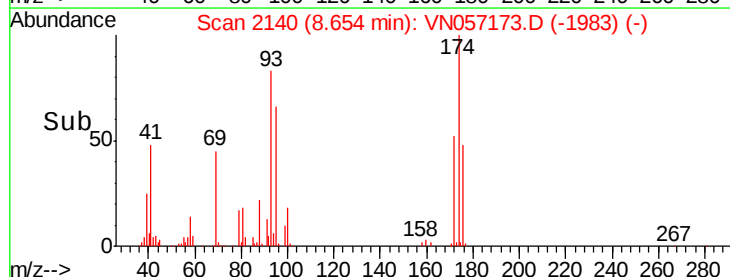
60000

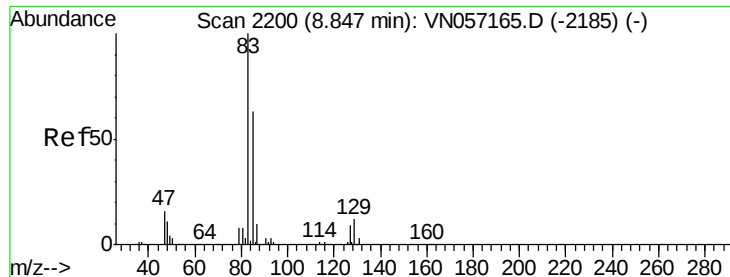
40000

20000

0

Time-->





#41

Bromodichloromethane

Concen: 19.576 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

BFB

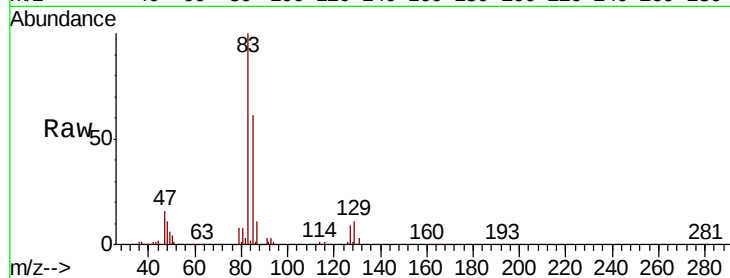
Tgt Ion: 83 Resp: 302912

Ion Ratio Lower Upper

83 100

85 61.3 50.6 76.0

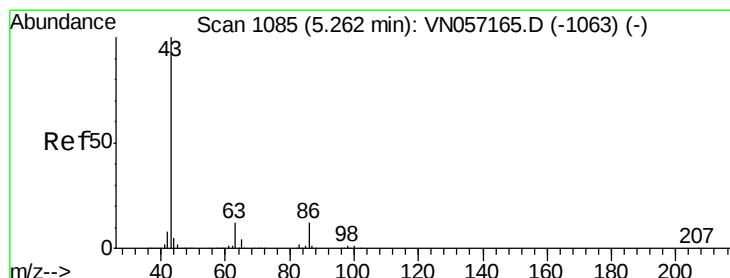
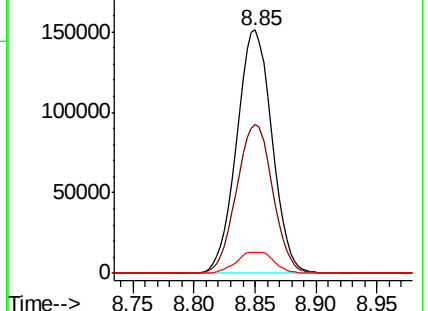
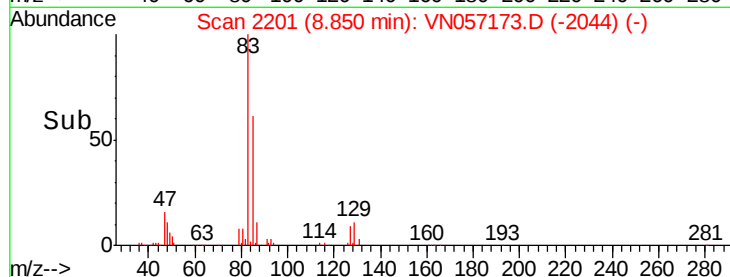
127 8.6 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VN057173.D (-2044) (-)

Ion 85.00 (84.70 to 85.70): VN057173.D (-2044) (-)

Ion 127.00 (126.70 to 127.70): VN057173.D (-2044) (-)



#42

Vinyl Acetate

Concen: 98.865 ug/l

RT: 5.27 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VN057173.D

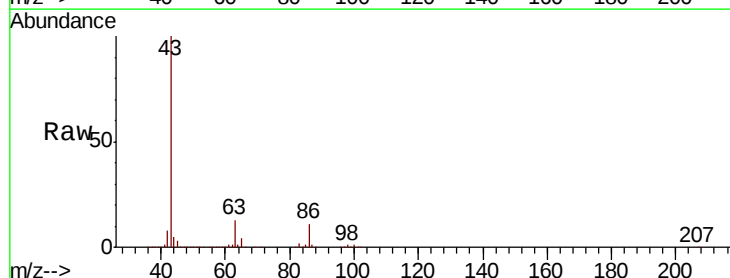
Acq: 10 Aug 2019 13:51

Tgt Ion: 43 Resp: 2485894

Ion Ratio Lower Upper

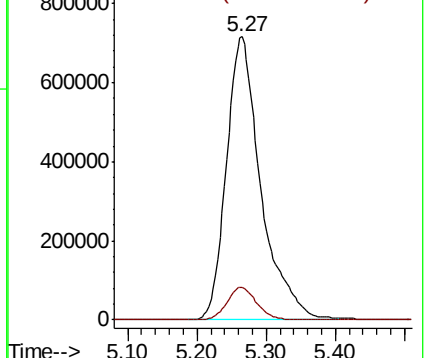
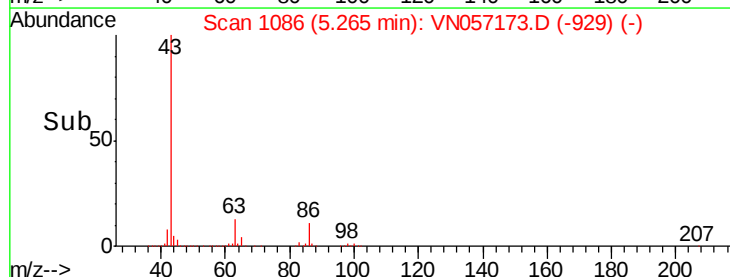
43 100

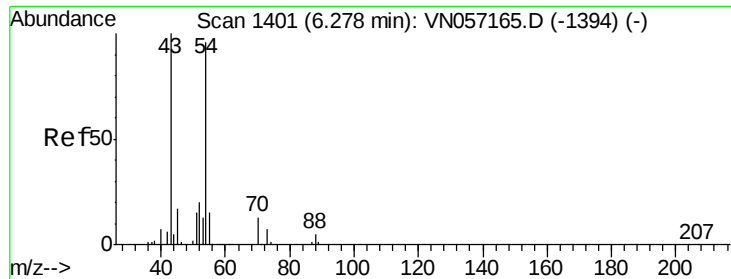
86 10.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN057173.D (-929) (-)

Ion 86.00 (85.70 to 86.70): VN057173.D (-929) (-)

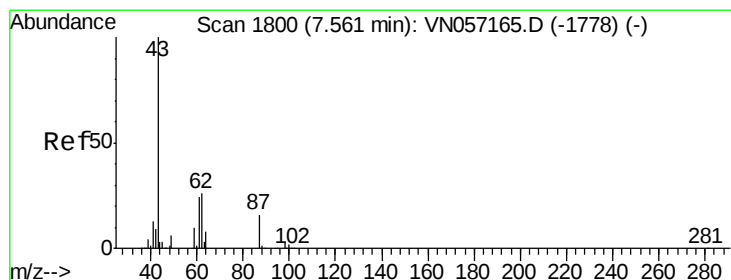
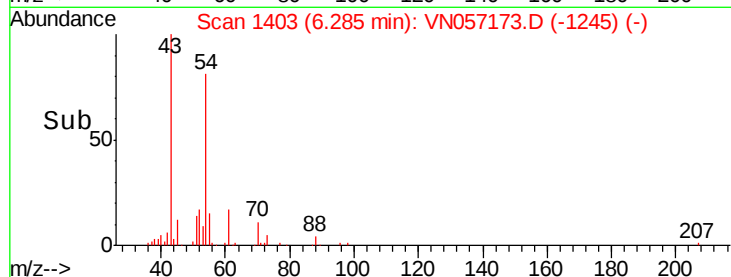
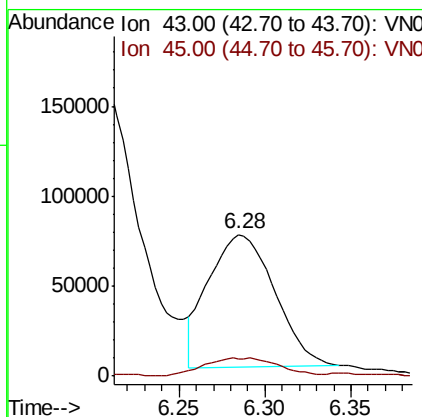
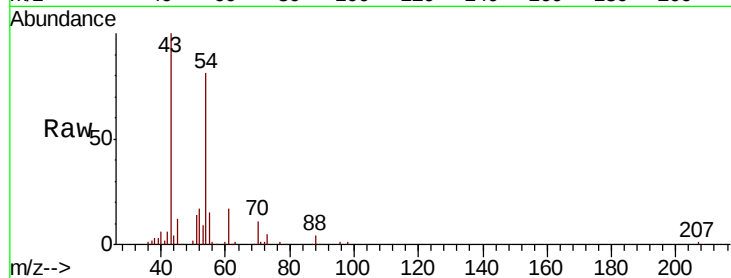




#43
Ethyl Acetate
Concen: 17.794 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

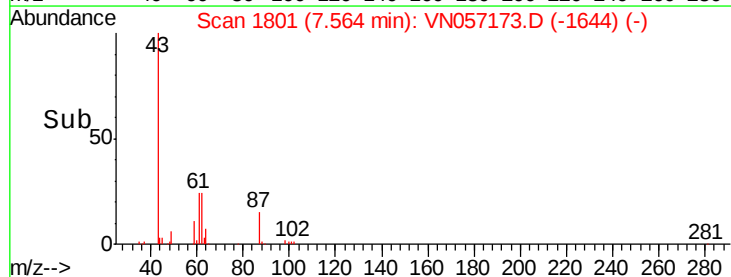
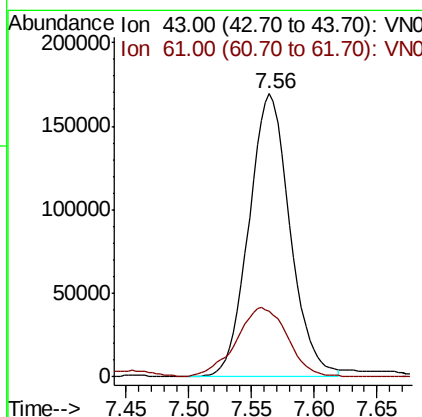
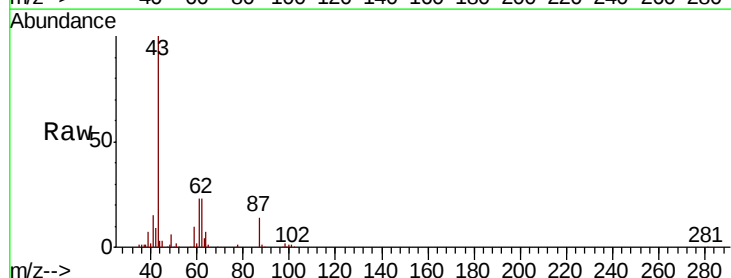
Instrument :
MSVOA_N
ClientSampleId :
BFB

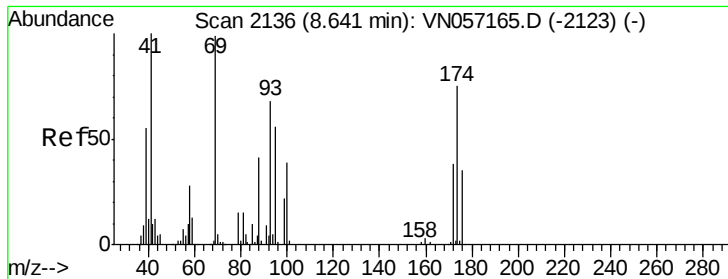
Tgt Ion: 43 Resp: 198493
Ion Ratio Lower Upper
43 100
45 8.0 10.1 15.1#



#44
Isopropyl Acetate
Concen: 19.012 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 43 Resp: 385071
Ion Ratio Lower Upper
43 100
61 29.9 22.2 33.4

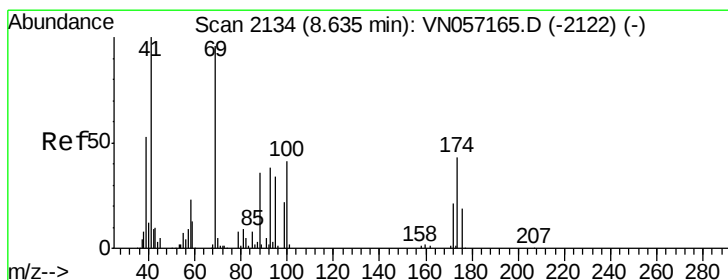
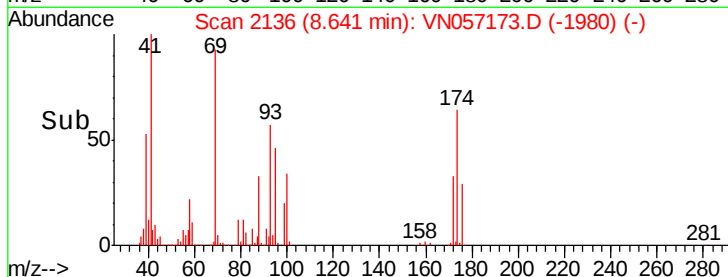
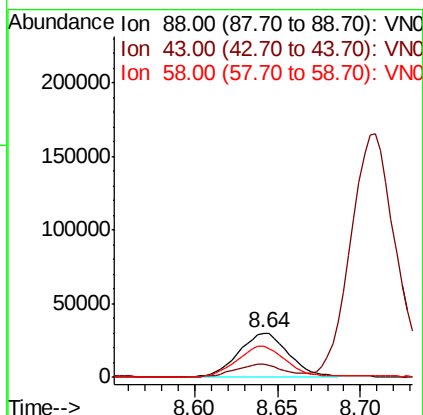
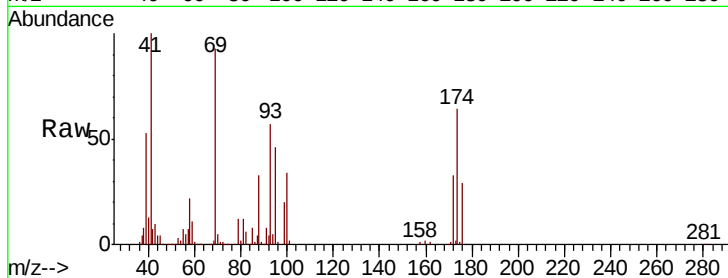




#45
 1,4-Dioxane
 Concen: 337.089 ug/l
 RT: 8.64 min Scan# 2136
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

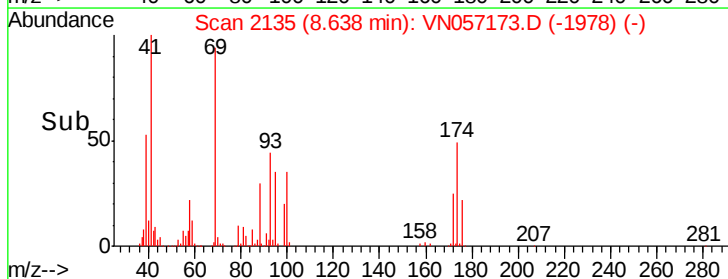
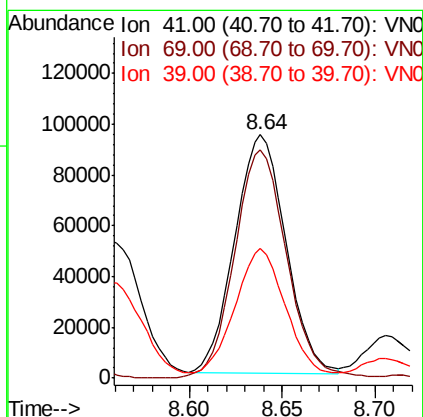
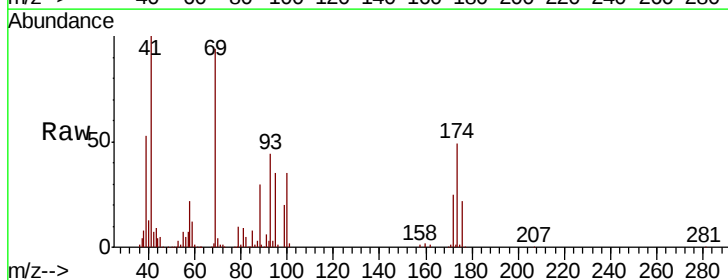
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

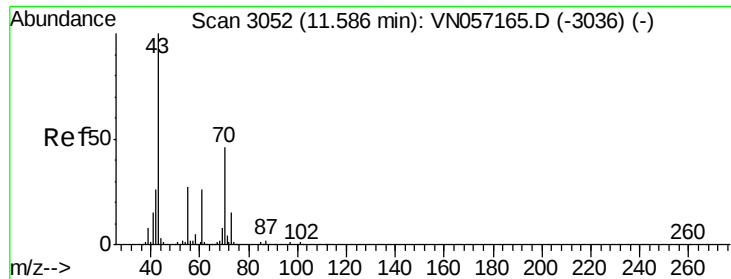
Tgt Ion: 88 Resp: 63712
 Ion Ratio Lower Upper
 88 100
 43 27.3 20.5 30.7
 58 69.0 53.8 80.8



#46
 Methyl methacrylate
 Concen: 19.414 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 41 Resp: 179275
 Ion Ratio Lower Upper
 41 100
 69 95.2 48.1 144.4
 39 52.4 26.5 79.5

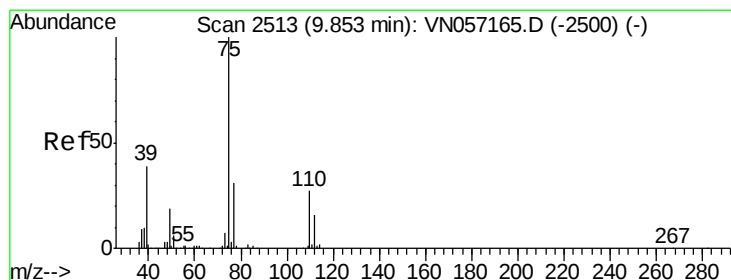
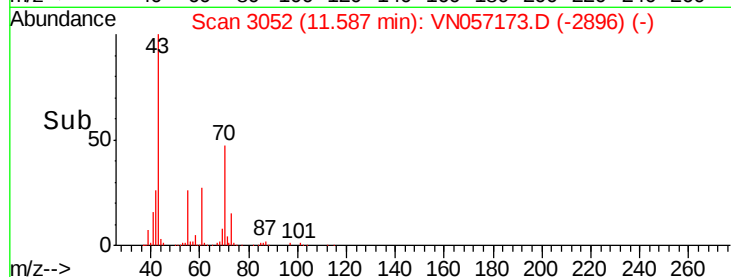
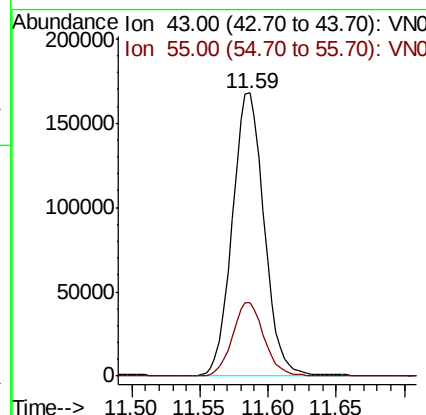
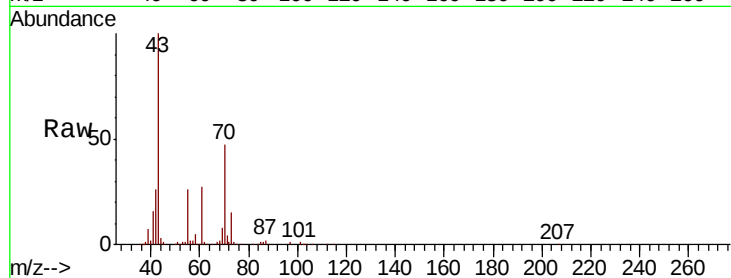




#47
n-amyl Acetate
Concen: 18.219 ug/l
RT: 11.59 min Scan# 3052
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

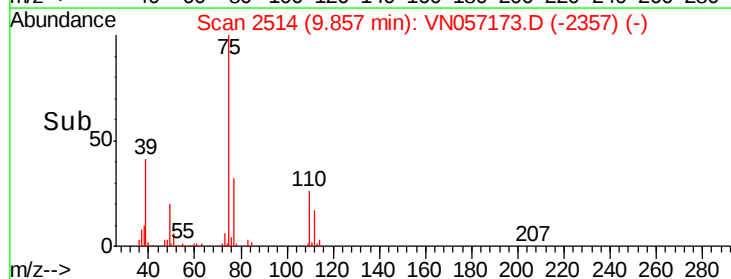
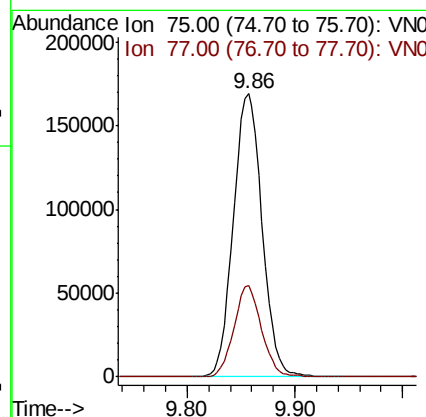
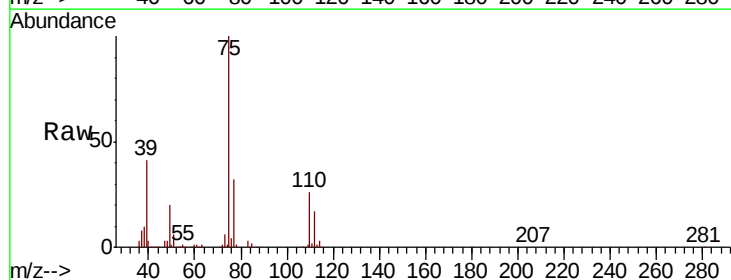
Instrument :
MSVOA_N
ClientSampled :
BFB

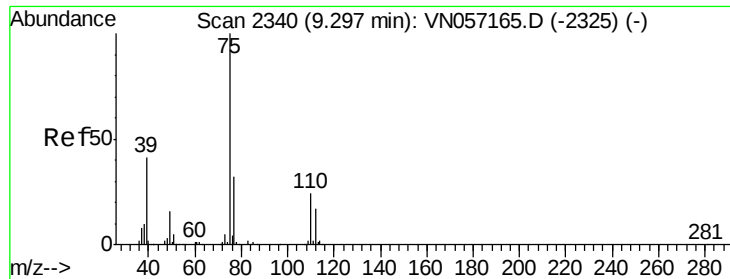
Tgt Ion: 43 Resp: 271484
Ion Ratio Lower Upper
43 100
55 26.1 20.7 31.1



#48
t-1,3-Dichloropropene
Concen: 19.080 ug/l
RT: 9.86 min Scan# 2514
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 75 Resp: 314811
Ion Ratio Lower Upper
75 100
77 32.5 24.9 37.3

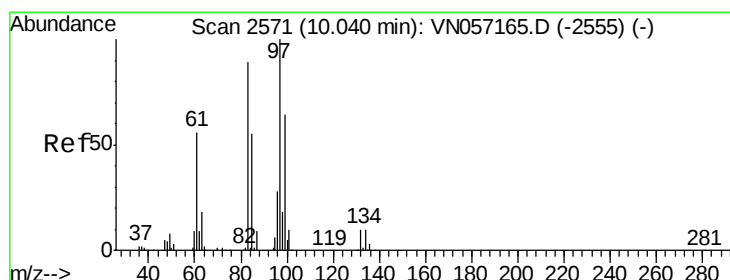
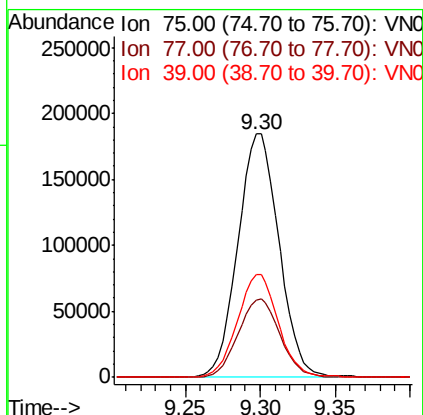
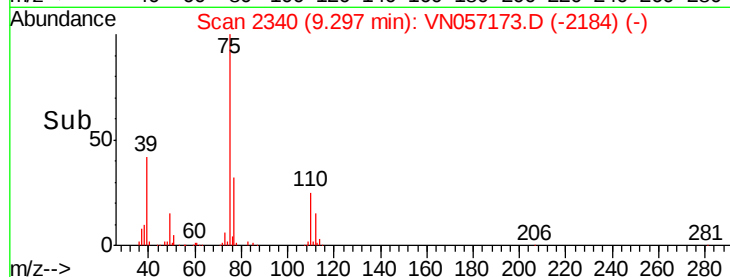
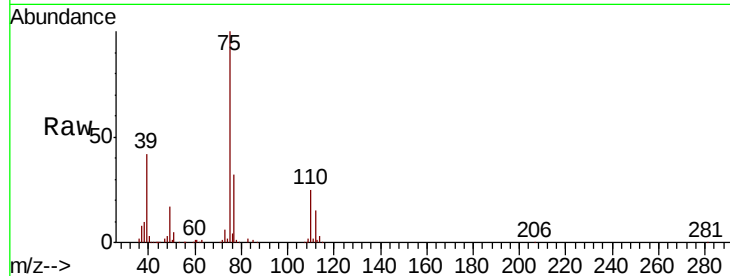




#49
 cis-1,3-Dichloropropene
 Concen: 18.838 ug/l
 RT: 9.30 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

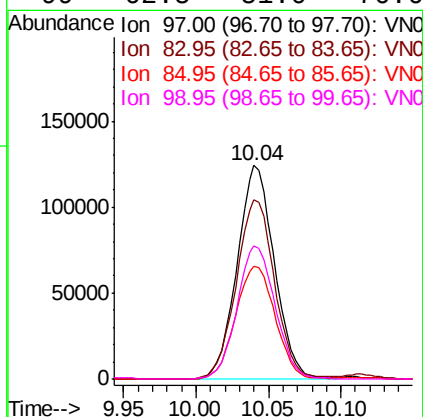
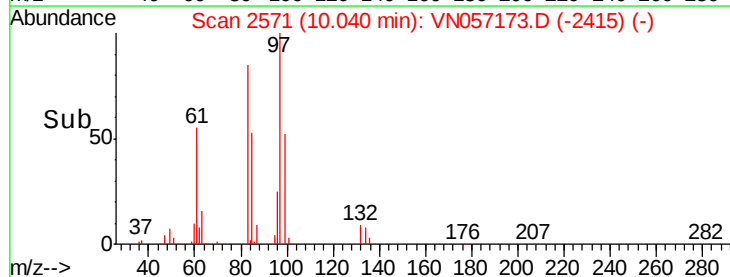
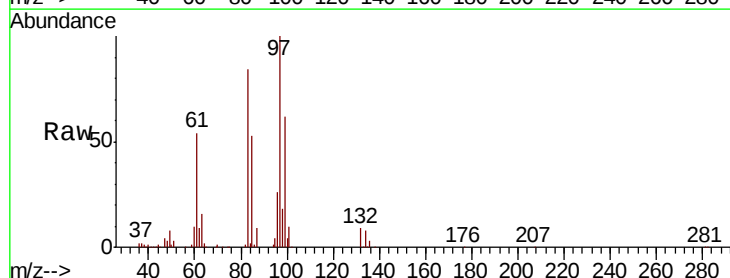
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

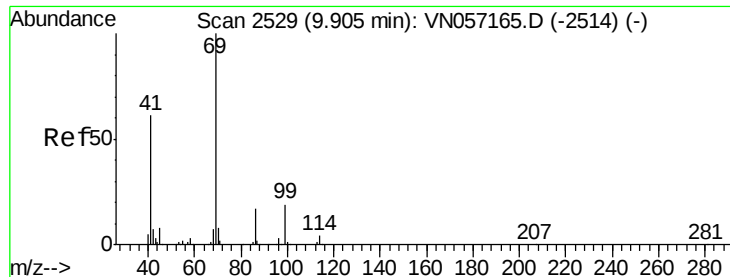
Tgt Ion: 75 Resp: 352332
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8
 39 42.1 33.0 49.6



#50
 1,1,2-Trichloroethane
 Concen: 19.897 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 97 Resp: 221298
 Ion Ratio Lower Upper
 97 100
 83 83.9 71.4 107.0
 85 52.7 43.8 65.8
 99 62.5 51.0 76.6





#51

Ethyl methacrylate

Concen: 19.524 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

BFB

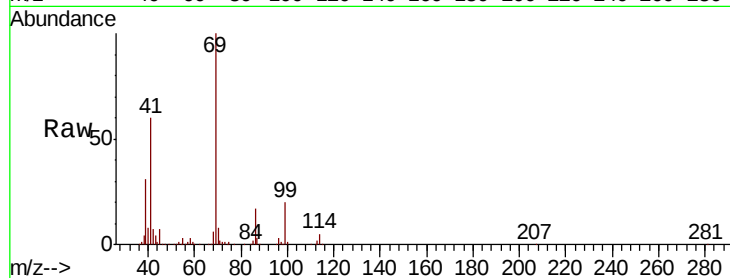
Tgt Ion: 69 Resp: 306442

Ion Ratio Lower Upper

69 100

41 59.8 30.4 91.2

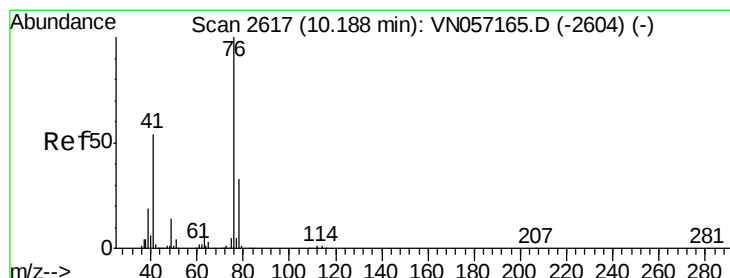
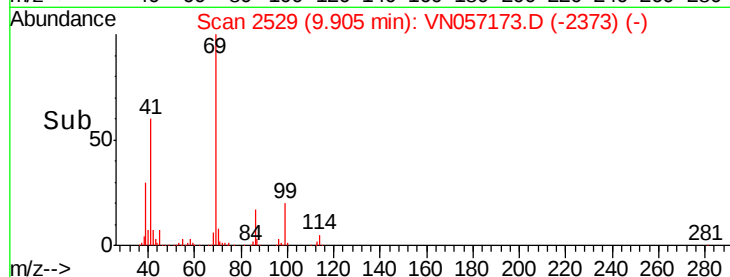
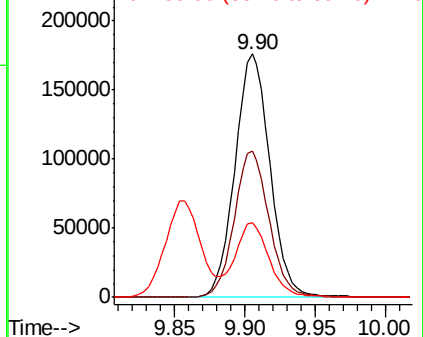
39 30.3 14.8 44.4



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



#52

1,3-Dichloropropane

Concen: 19.693 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VN057173.D

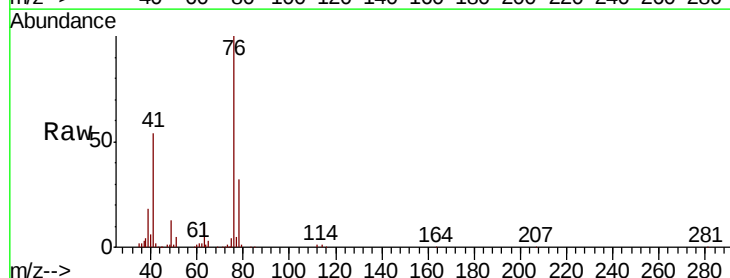
Acq: 10 Aug 2019 13:51

Tgt Ion: 76 Resp: 365076

Ion Ratio Lower Upper

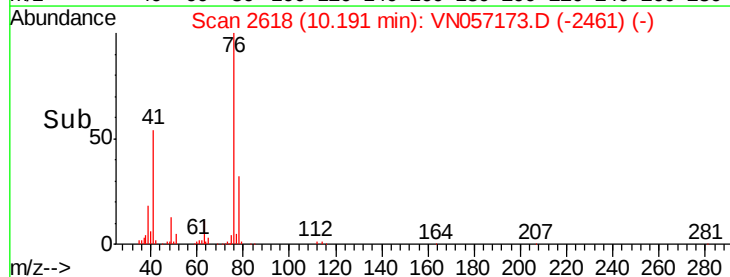
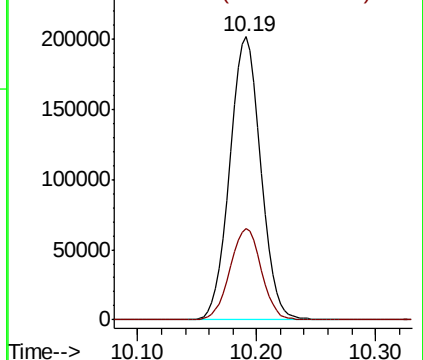
76 100

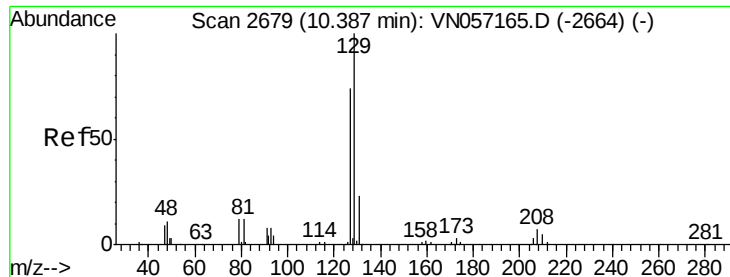
78 32.5 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

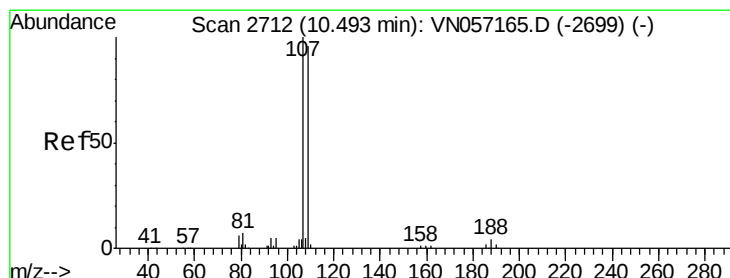
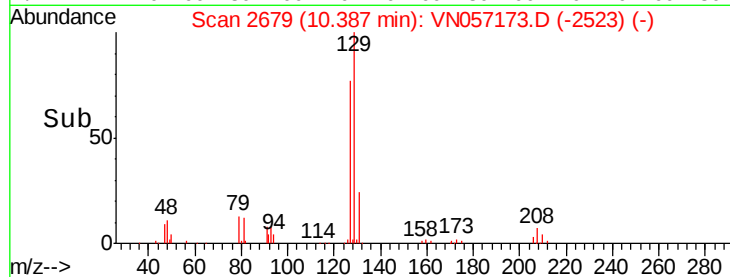
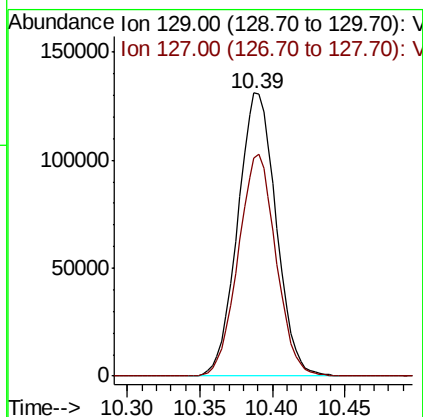
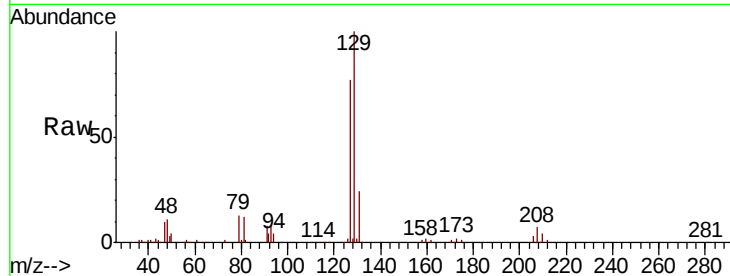




#53
 Dibromochloromethane
 Concen: 19.286 ug/l
 RT: 10.39 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

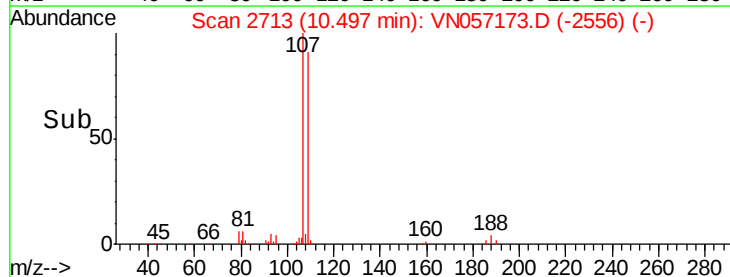
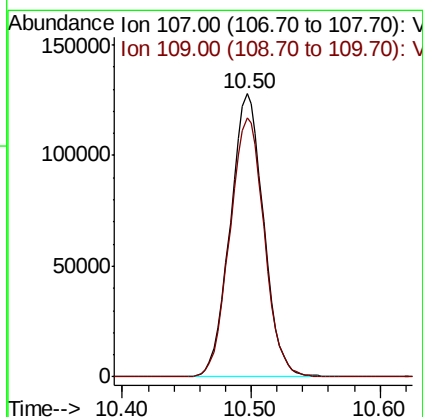
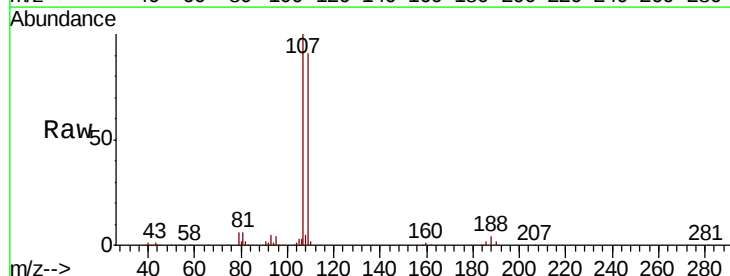
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

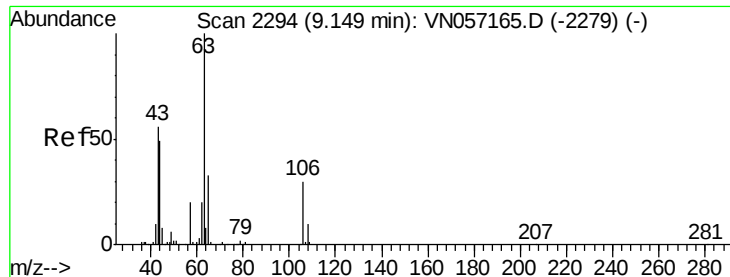
Tgt Ion:129 Resp: 241700
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.2 114.6



#54
 1,2-Dibromoethane
 Concen: 19.782 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion:107 Resp: 229673
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.8 115.2

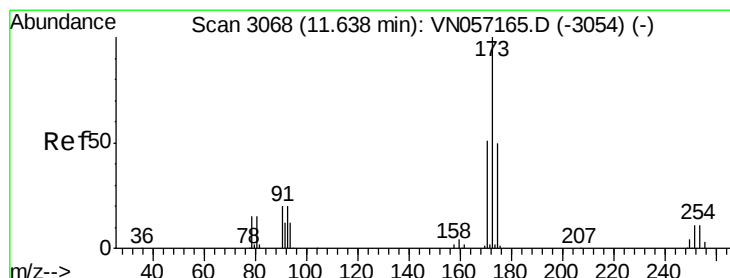
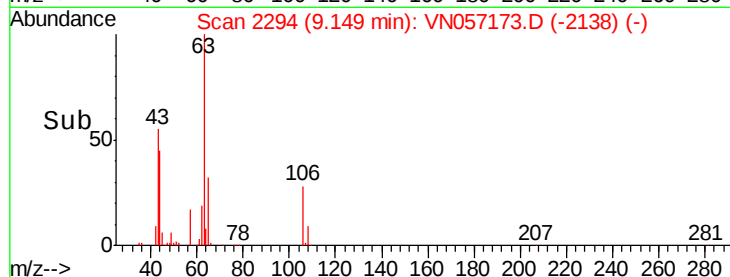
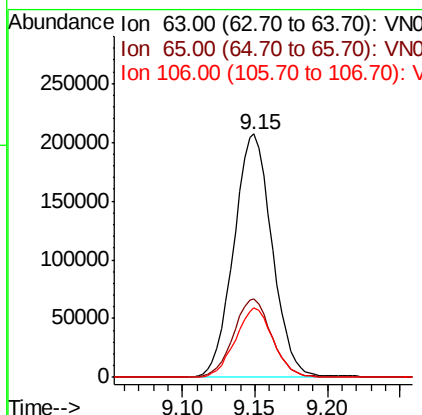
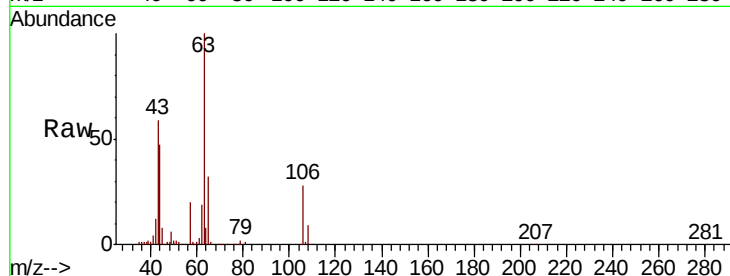




#55
 2-Chloroethyl vinyl ether
 Concen: 85.905 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

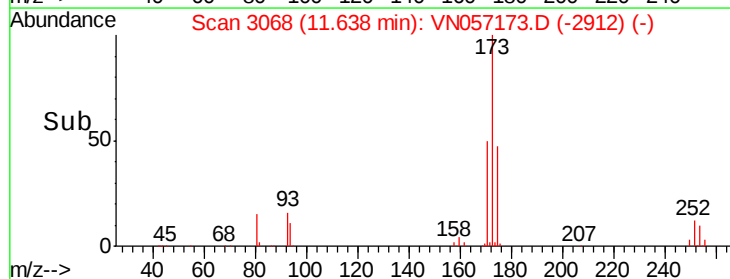
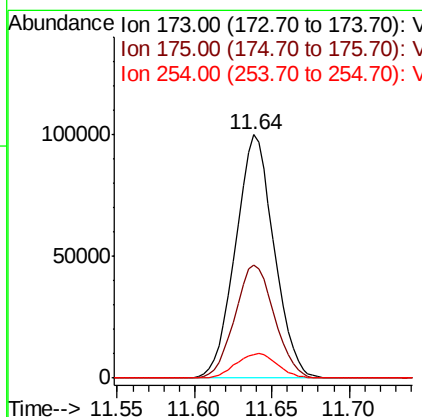
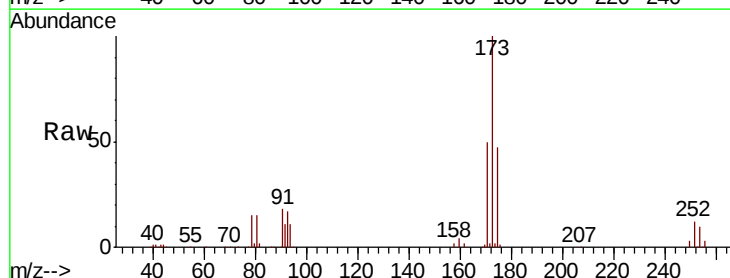
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

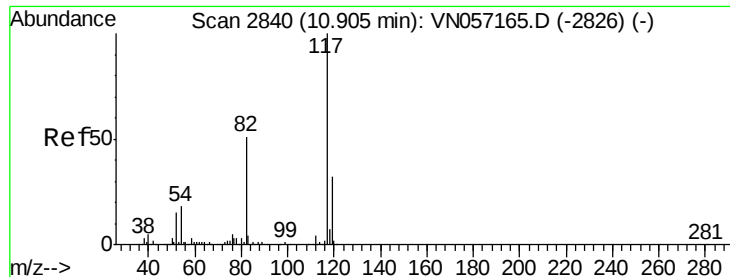
Tgt Ion: 63 Resp: 380708
 Ion Ratio Lower Upper
 63 100
 65 32.1 26.0 39.0
 106 28.3 23.3 34.9



#56
 Bromoform
 Concen: 18.682 ug/l
 RT: 11.64 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 173 Resp: 173016
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.0 58.4
 254 10.8 8.6 13.0

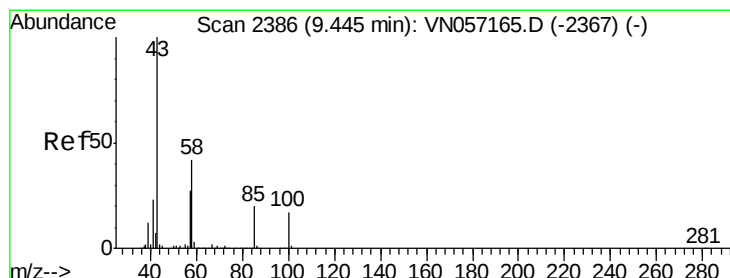
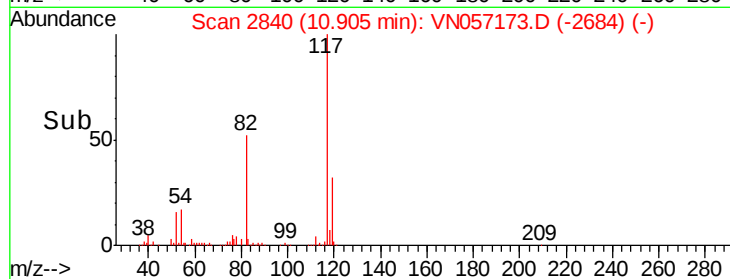
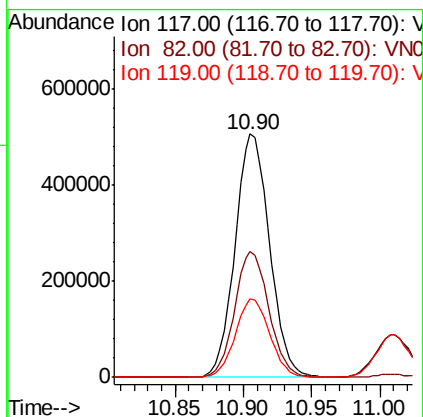
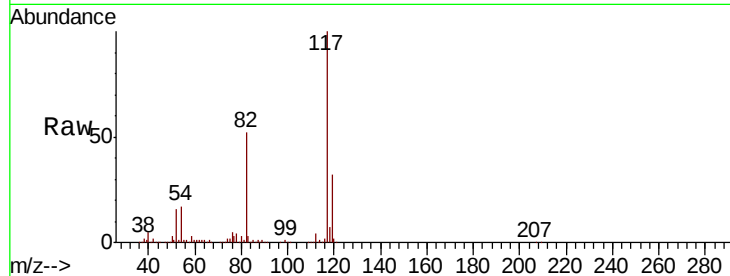




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

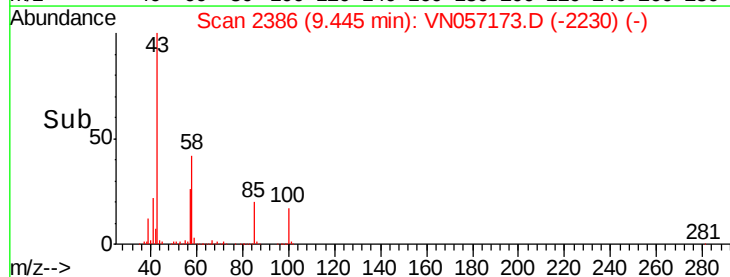
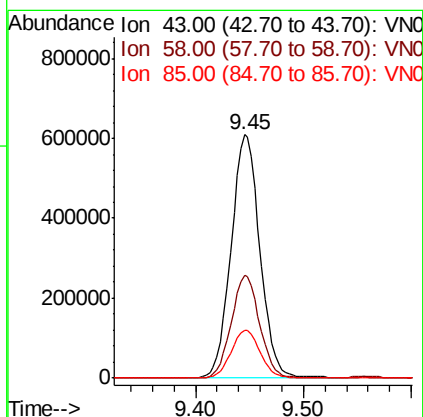
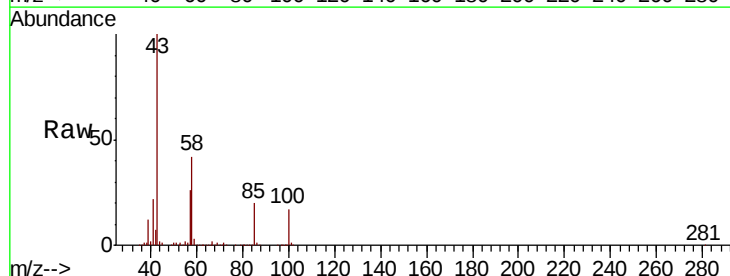
Instrument :
MSVOA_N
ClientSampleId :
BFB

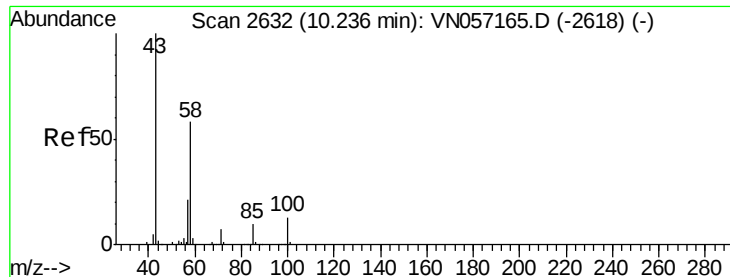
Tgt Ion: 117 Resp: 887793
Ion Ratio Lower Upper
117 100
82 51.2 41.5 62.3
119 32.2 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 99.373 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 43 Resp: 1133340
Ion Ratio Lower Upper
43 100
58 41.7 32.8 49.2
85 19.8 16.4 24.6

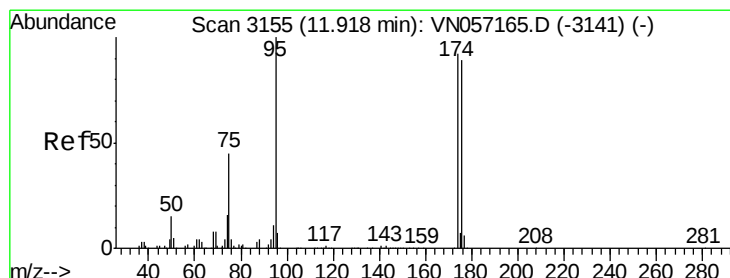
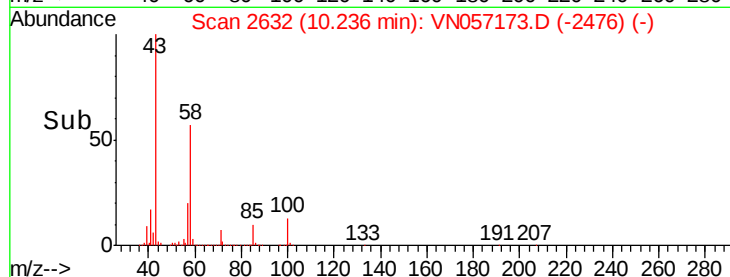
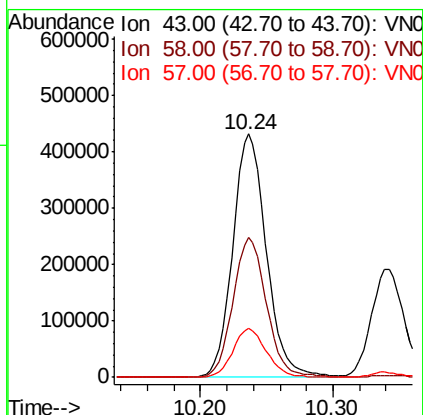
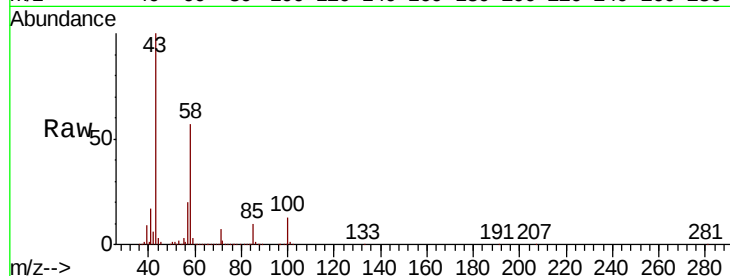




#59
2-Hexanone
Concen: 92.498 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

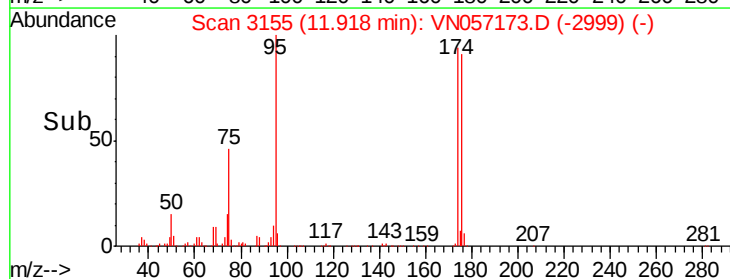
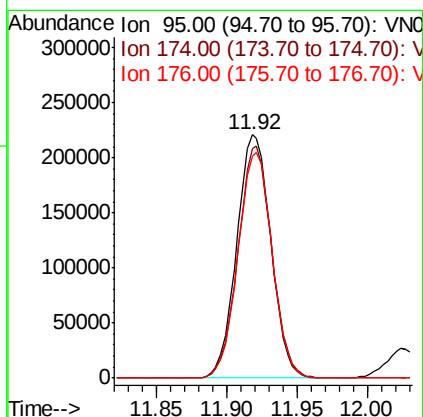
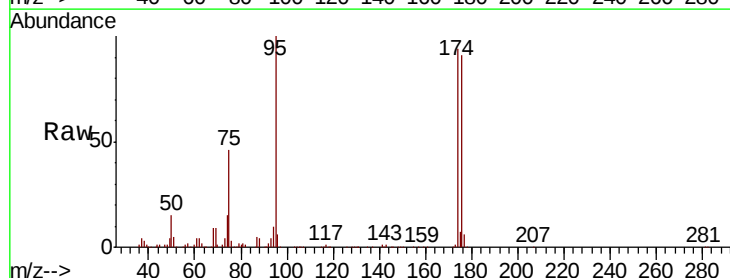
Instrument :
MSVOA_N
ClientSampleId :
BFB

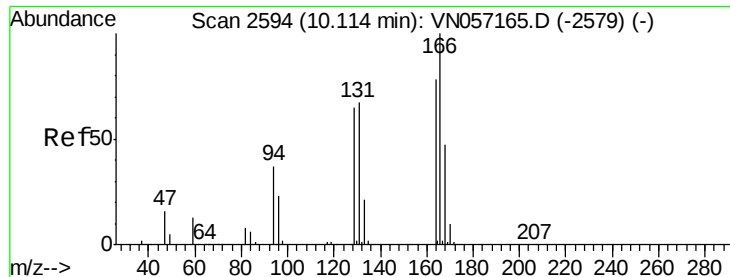
Tgt Ion: 43 Resp: 758439
Ion Ratio Lower Upper
43 100
58 57.3 45.4 68.2
57 20.2 16.1 24.1



#60
4-Bromofluorobenzene
Concen: 28.367 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 95 Resp: 374987
Ion Ratio Lower Upper
95 100
174 94.1 74.9 112.3
176 92.5 72.1 108.1





#61

Tetrachloroethene

Concen: 19.155 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

BFB

Tgt Ion:164 Resp: 261013

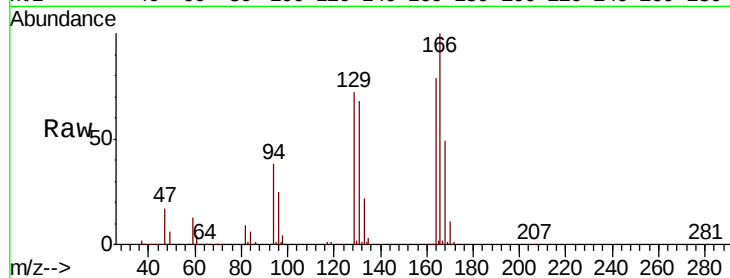
Ion Ratio Lower Upper

164 100

166 126.6 103.0 154.6

129 91.1 67.3 100.9

131 86.4 68.5 102.7

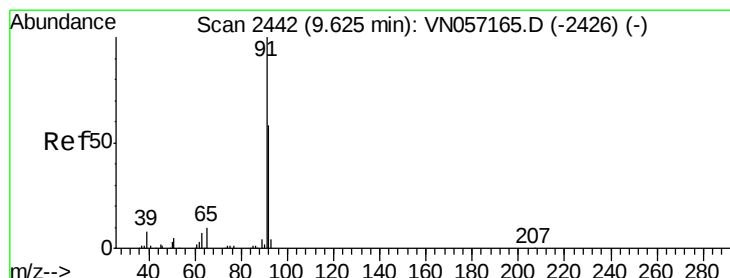
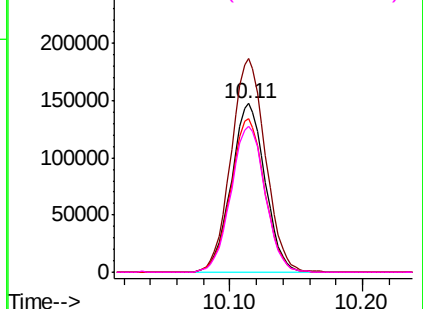
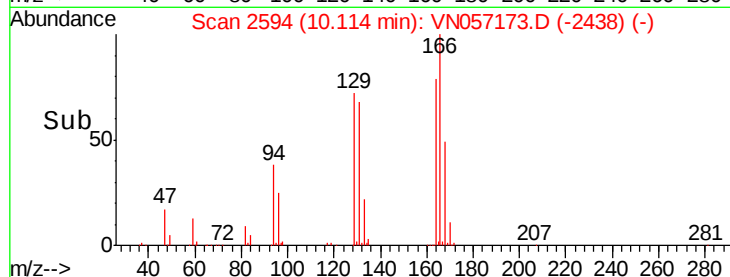


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.636 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057173.D

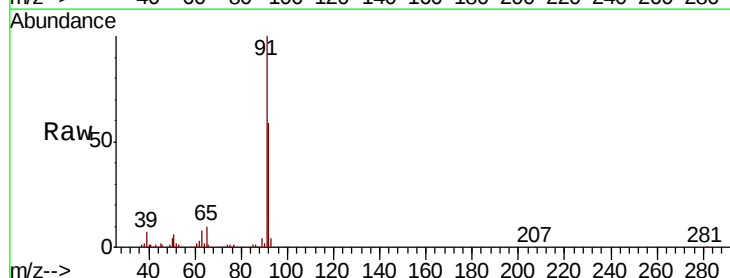
Acq: 10 Aug 2019 13:51

Tgt Ion: 91 Resp: 992281

Ion Ratio Lower Upper

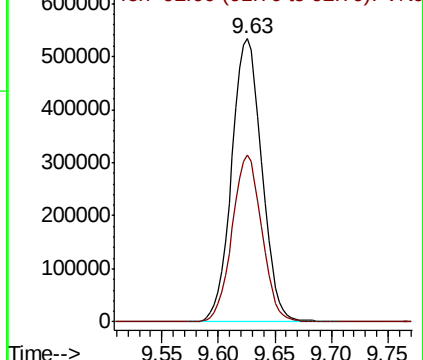
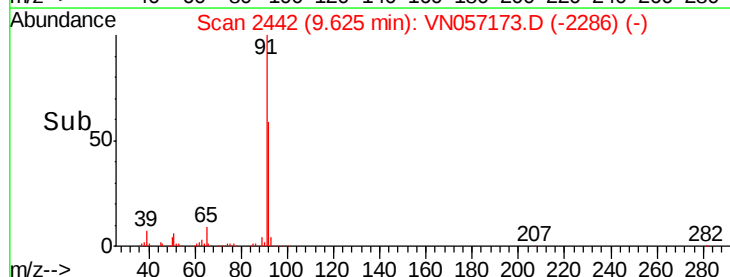
91 100

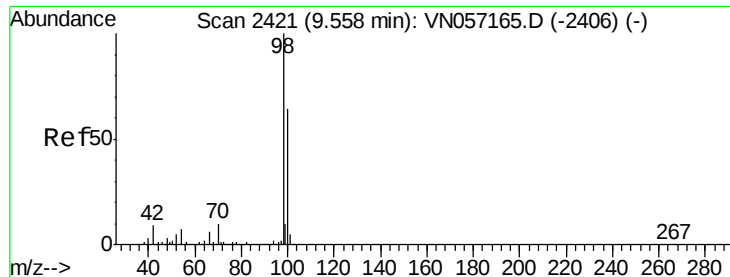
92 58.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.324 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

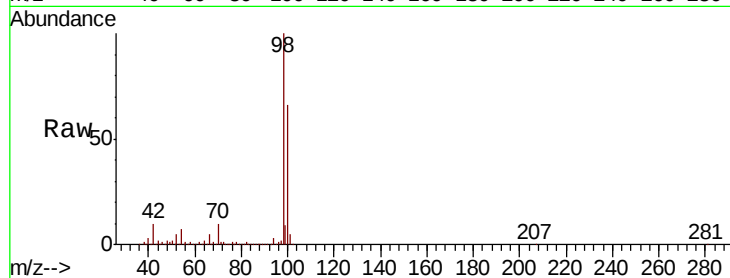
BFB

Tgt Ion: 98 Resp: 1242757

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VN057165.D (-2406) (-)

Ion 100.00 (99.70 to 100.70): VN057173.D (-2265) (-)

9.56

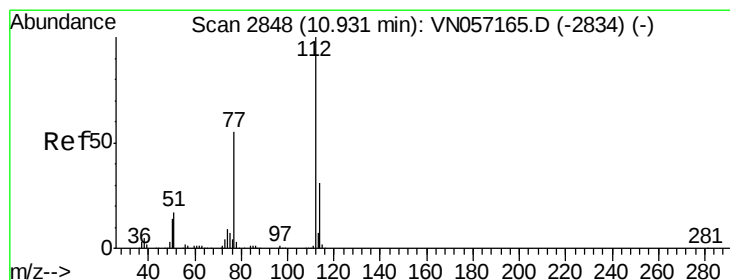
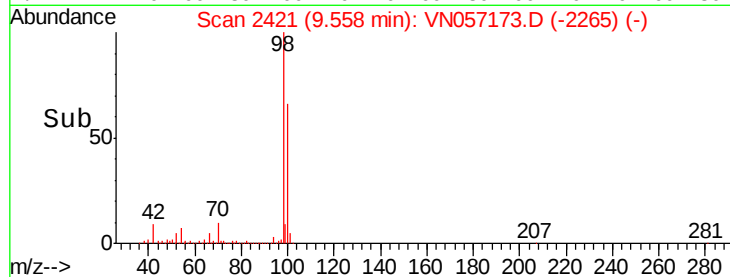
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 19.571 ug/l

RT: 10.93 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VN057173.D

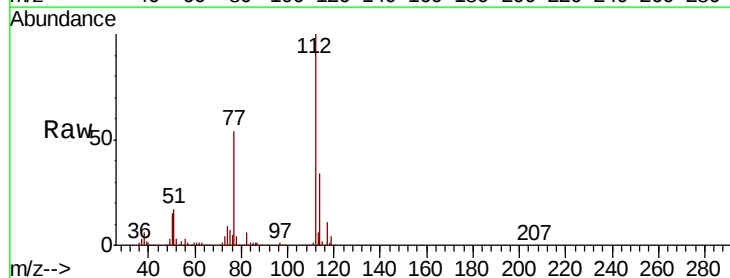
Acq: 10 Aug 2019 13:51

Tgt Ion: 112 Resp: 608282

Ion Ratio Lower Upper

112 100

114 33.5 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN057165.D (-2834) (-)

Ion 114.00 (113.70 to 114.70): VN057173.D (-2692) (-)

10.93

400000

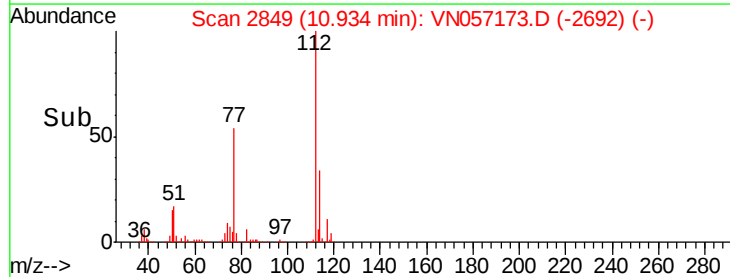
300000

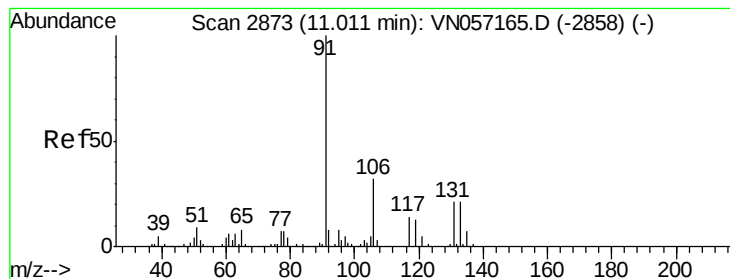
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.808 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

BFB

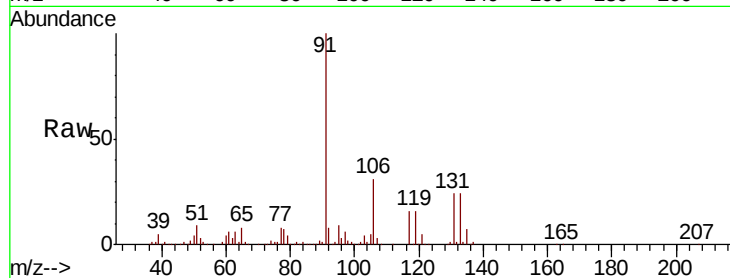
Tgt Ion:131 Resp: 236097

Ion Ratio Lower Upper

131 100

133 96.7 0.0 196.0

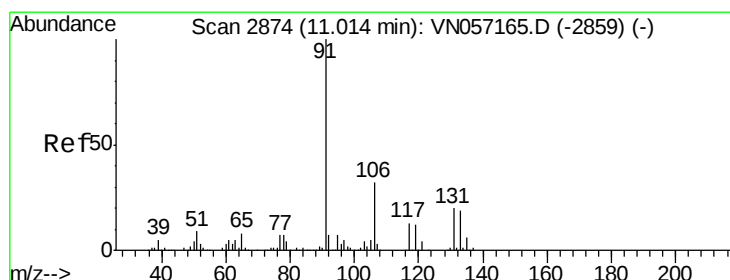
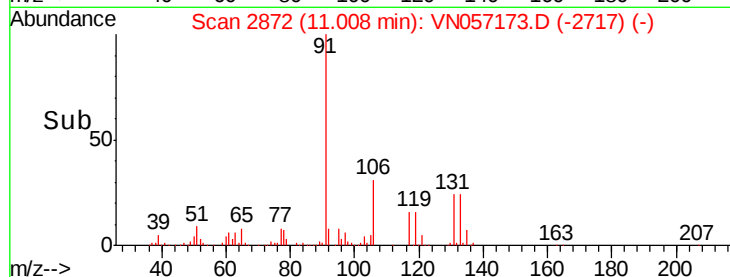
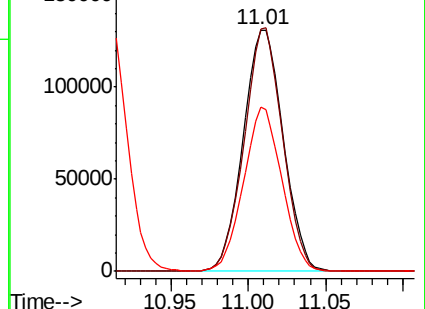
119 65.3 0.0 132.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.600 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. 0.00 min

Lab File: VN057173.D

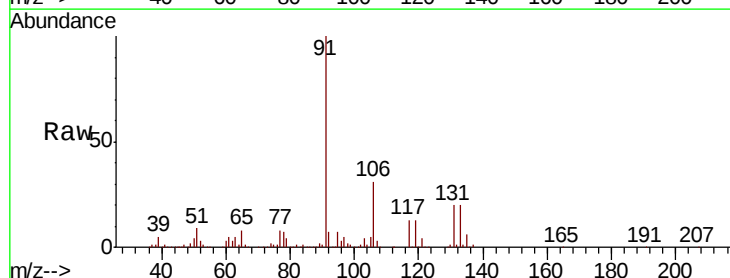
Acq: 10 Aug 2019 13:51

Tgt Ion: 91 Resp: 1061702

Ion Ratio Lower Upper

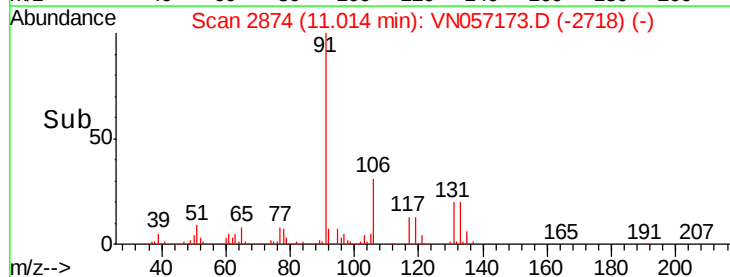
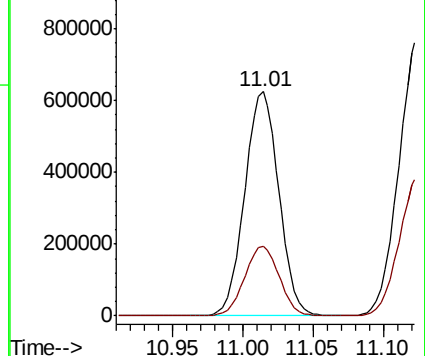
91 100

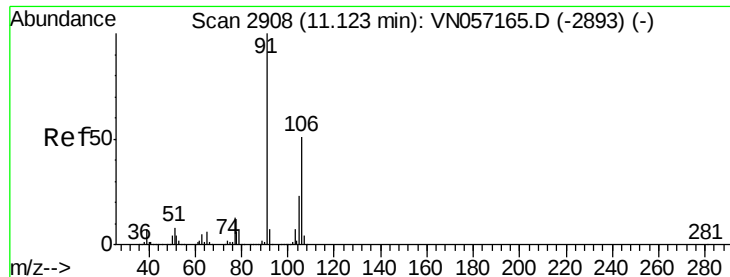
106 31.1 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

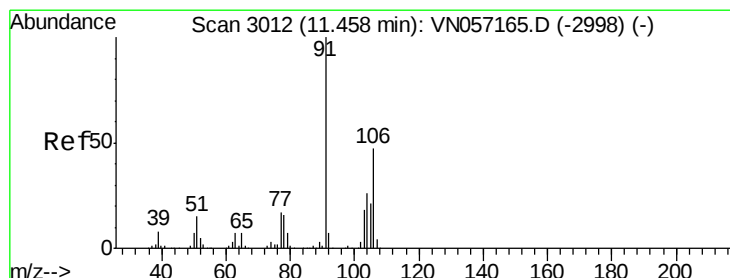
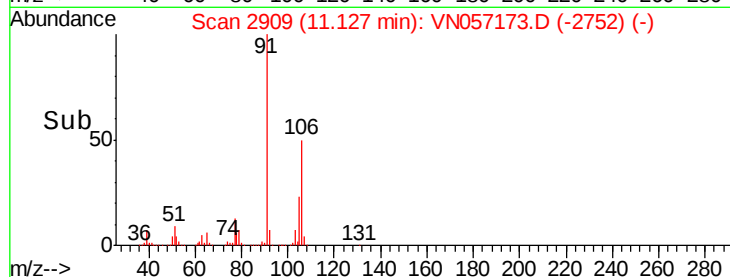
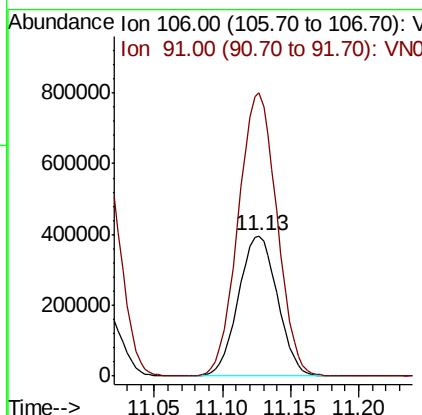
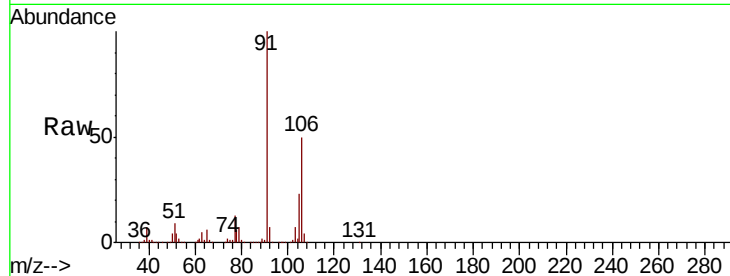




#67
m/p-Xylenes
Concen: 38.528 ug/l
RT: 11.13 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

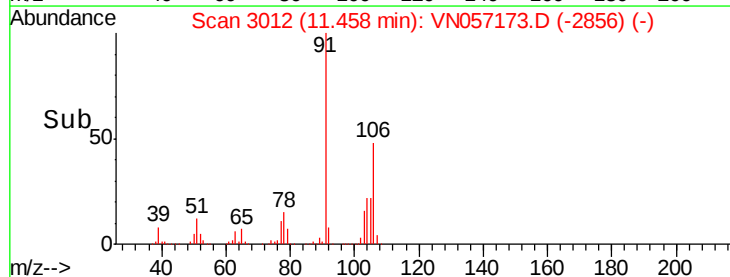
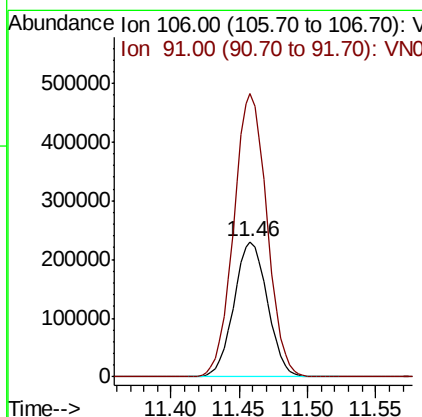
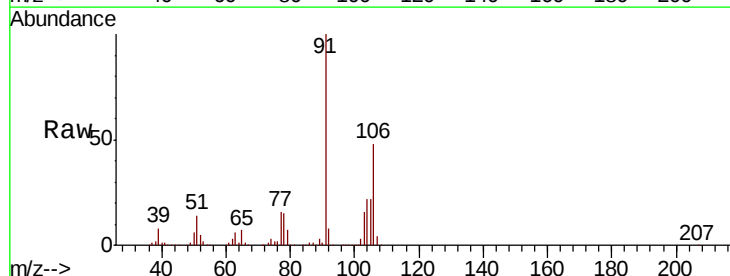
Instrument :
MSVOA_N
ClientSampled :
BFB

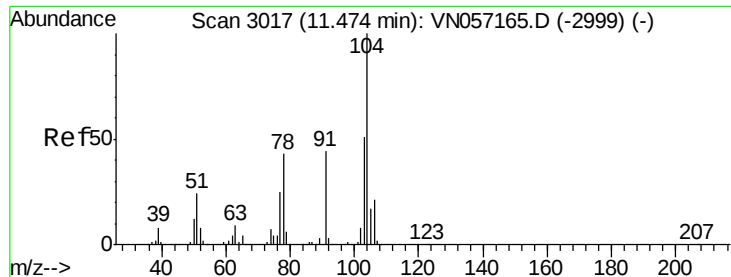
Tgt Ion:106 Resp: 787041
Ion Ratio Lower Upper
106 100
91 200.5 160.5 240.7



#68
o-Xylene
Concen: 19.731 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion:106 Resp: 391316
Ion Ratio Lower Upper
106 100
91 208.1 105.3 315.8





#69

Styrene

Concen: 18.590 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

BFB

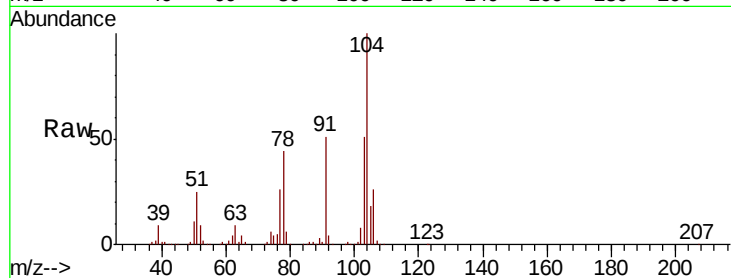
Tgt Ion:104 Resp: 591188

Ion Ratio Lower Upper

104 100

78 48.2 38.7 58.1

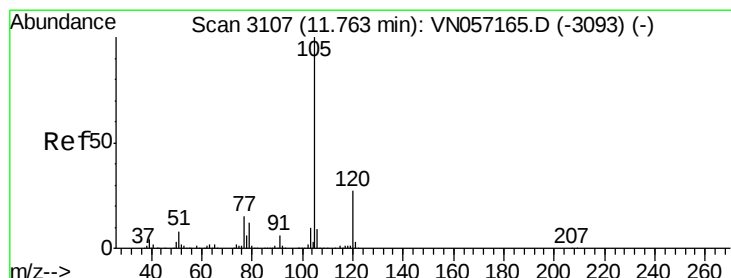
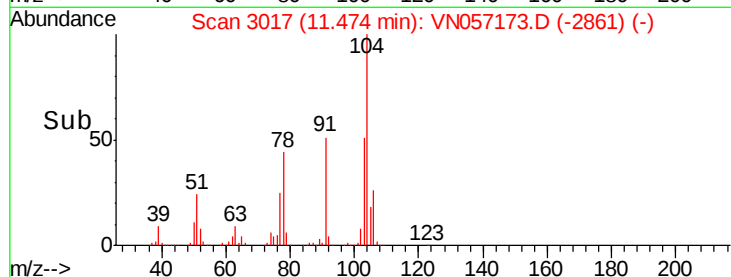
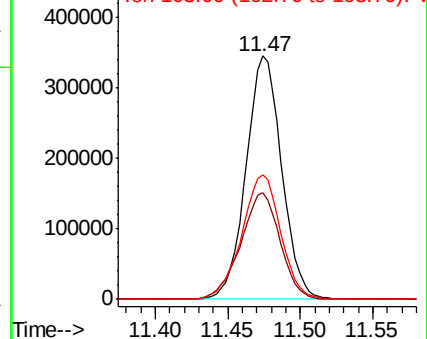
103 56.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.388 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057173.D

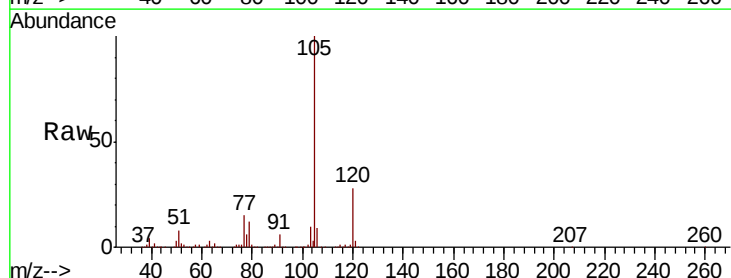
Acq: 10 Aug 2019 13:51

Tgt Ion:105 Resp: 1035245

Ion Ratio Lower Upper

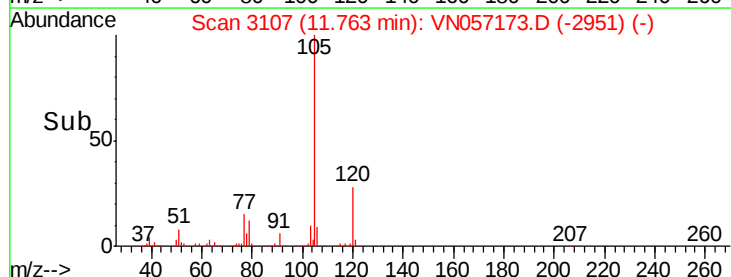
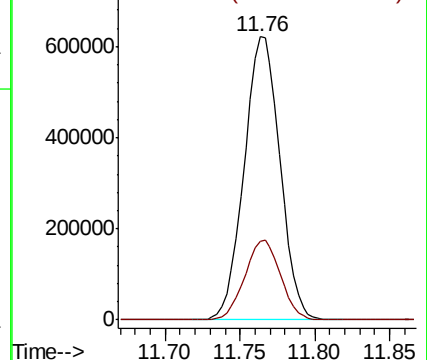
105 100

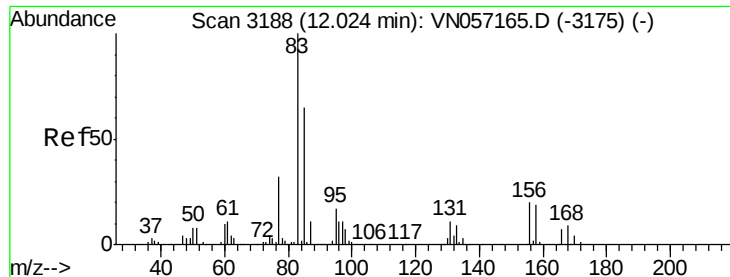
120 27.9 19.1 35.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

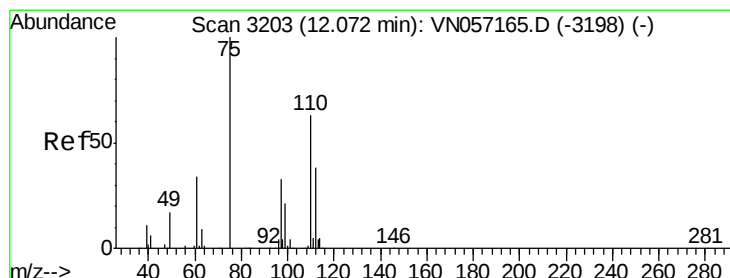
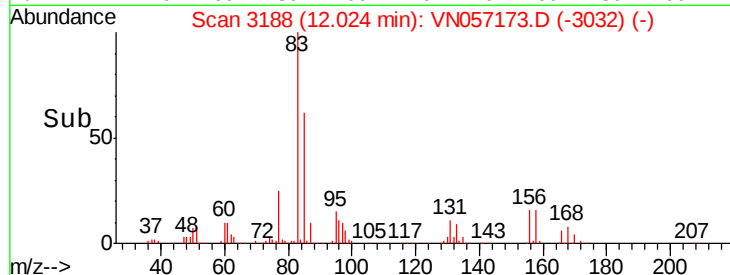
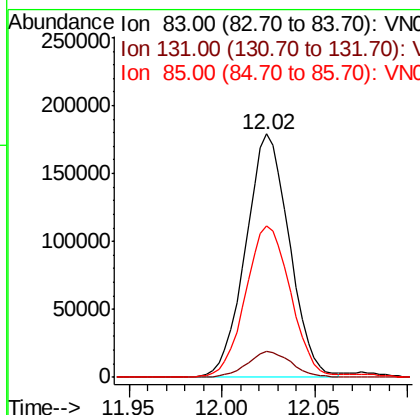
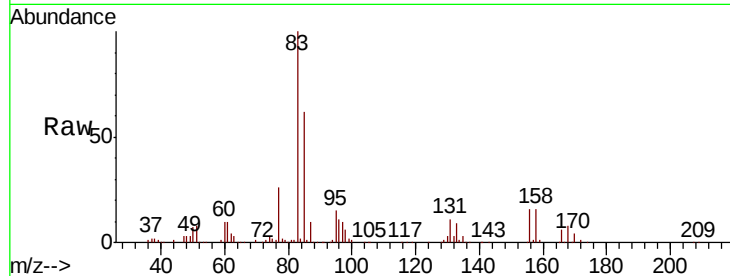




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.026 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

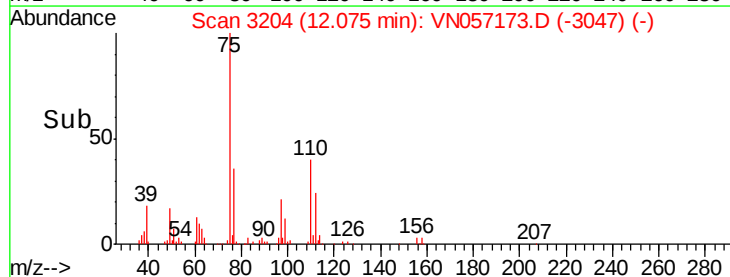
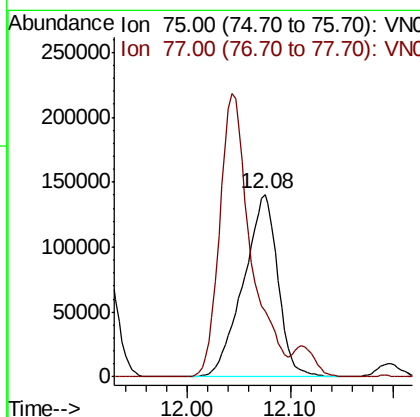
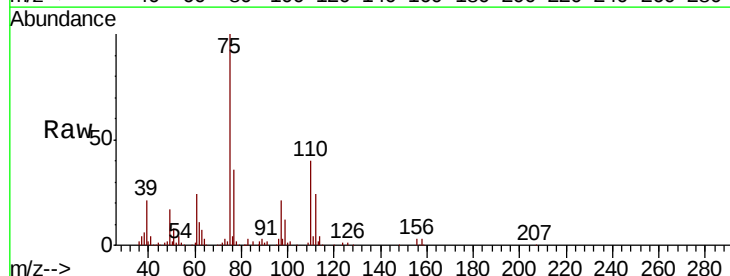
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

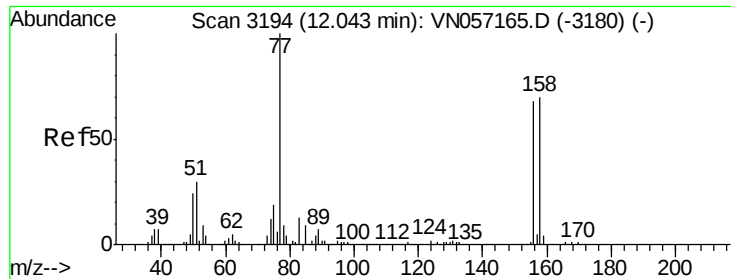
Tgt Ion: 83 Resp: 292854
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.5 16.5
 85 64.0 32.6 98.0



#72
 1,2,3-Trichloropropane
 Concen: 25.470 ug/l
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion: 75 Resp: 325990
 Ion Ratio Lower Upper
 75 100
 77 141.0 0.0 379.4





#73

Bromobenzene

Concen: 18.635 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

BFB

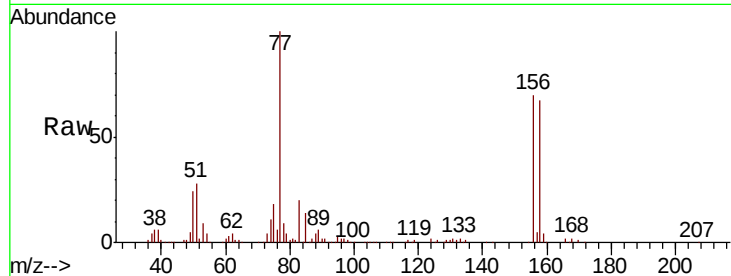
Tgt Ion:156 Resp: 258010

Ion Ratio Lower Upper

156 100

77 178.1 0.0 361.6

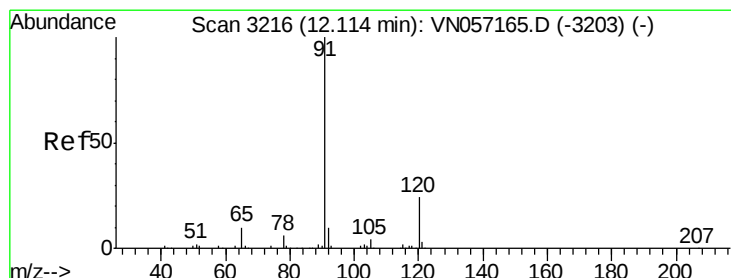
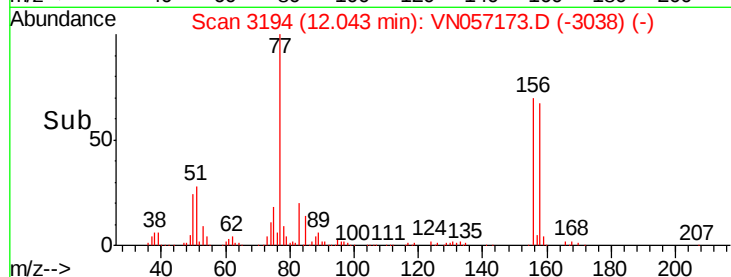
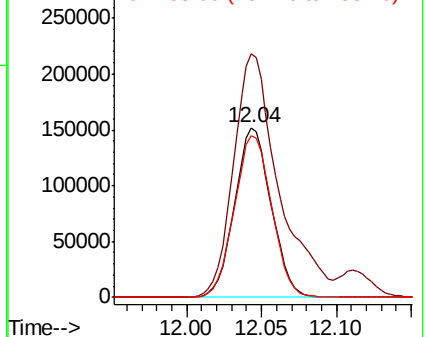
158 97.8 0.0 200.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.404 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057173.D

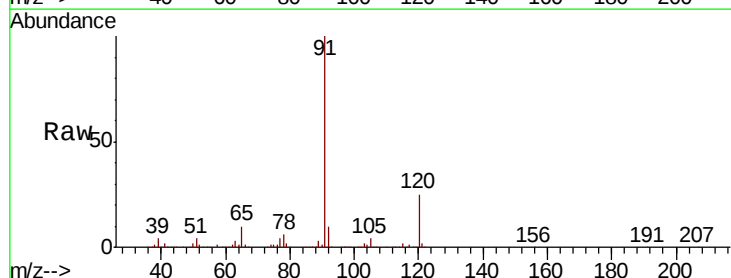
Acq: 10 Aug 2019 13:51

Tgt Ion: 91 Resp: 1031640

Ion Ratio Lower Upper

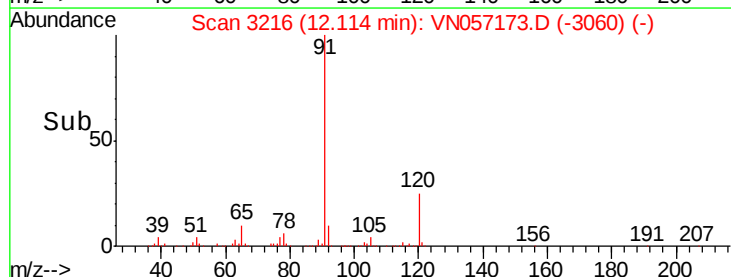
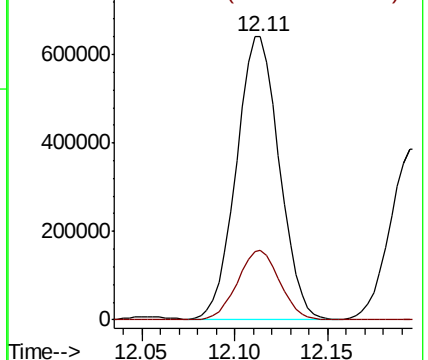
91 100

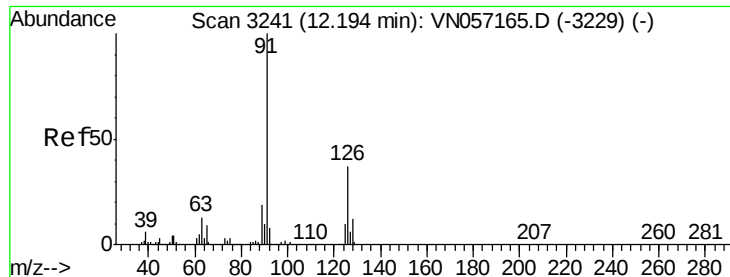
120 24.2 0.0 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.915 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

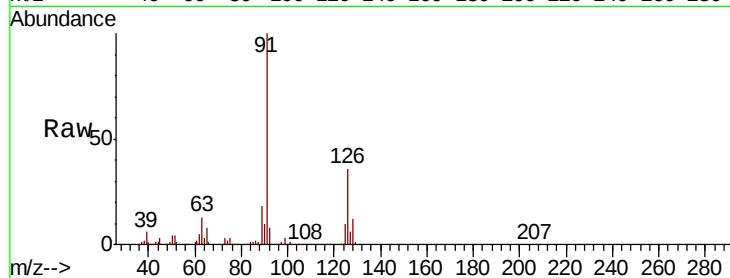
BFB

Tgt Ion: 91 Resp: 655806

Ion Ratio Lower Upper

91 100

126 35.9 0.0 73.4



Abundance Ion 91.00 (90.70 to 91.70): VN057165.D (-3229) (-)

Ion 126.00 (125.70 to 126.70): VN057165.D (-3229) (-)

600000

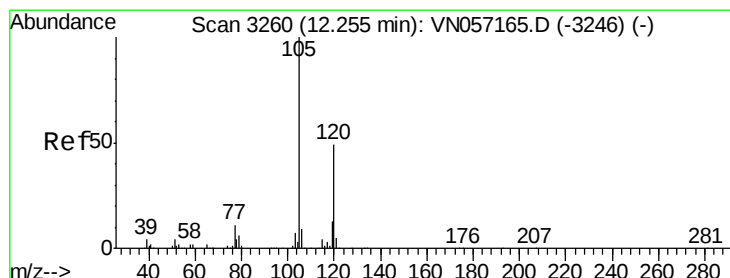
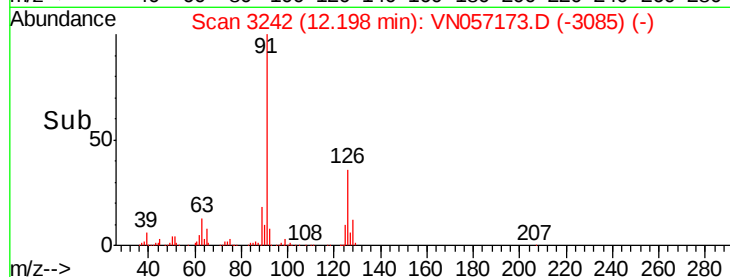
400000

200000

0

12.15 12.20 12.25

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.280 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057173.D

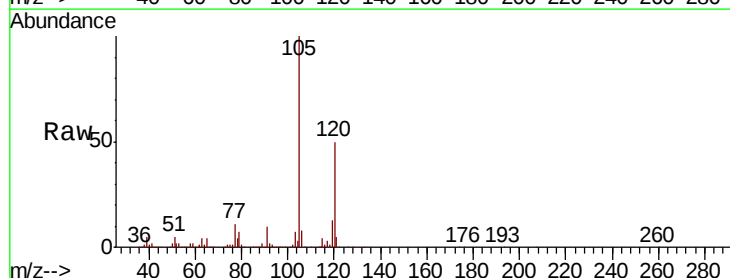
Acq: 10 Aug 2019 13:51

Tgt Ion: 105 Resp: 866796

Ion Ratio Lower Upper

105 100

120 49.4 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057165.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN057165.D (-3246) (-)

600000

500000

400000

300000

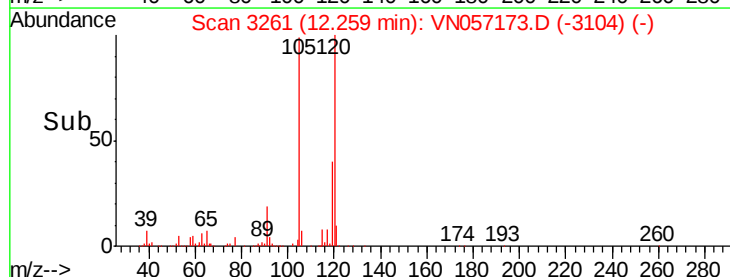
200000

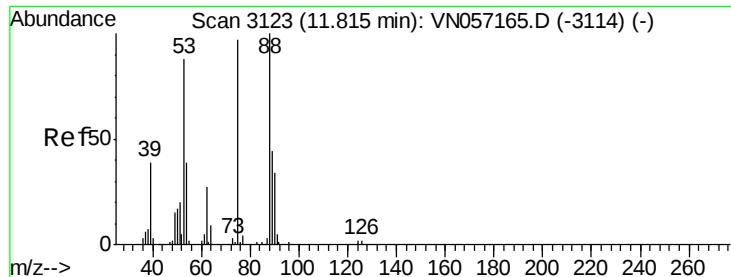
100000

0

12.20 12.25 12.30

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.396 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

BFB

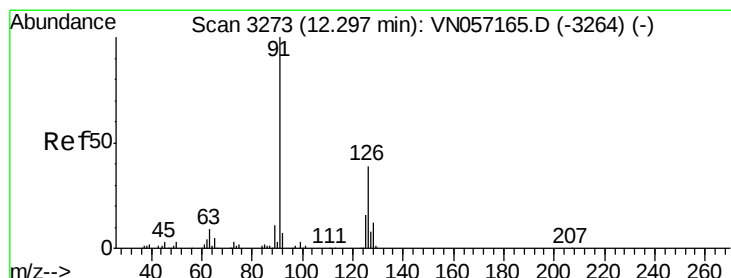
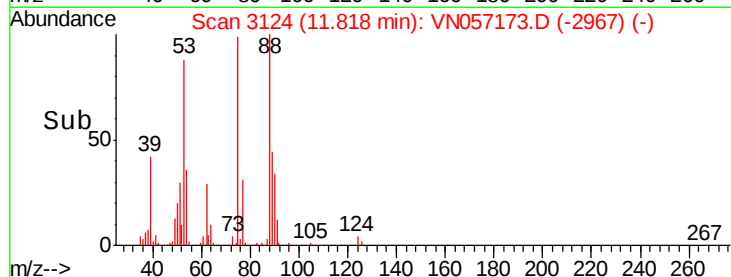
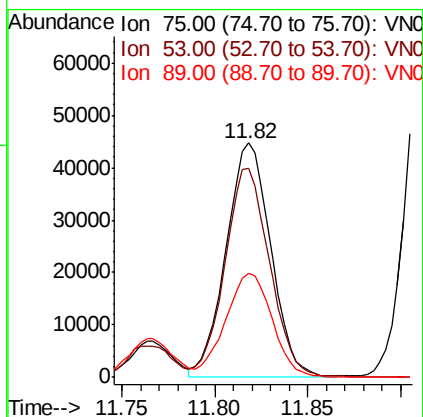
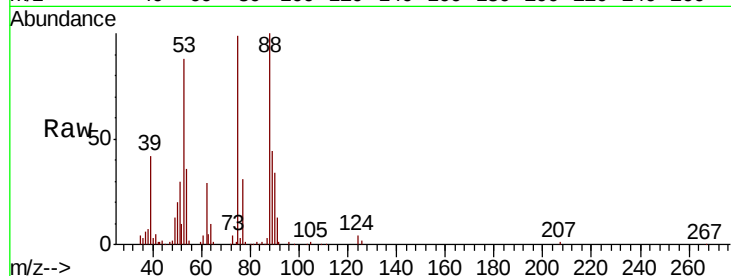
Tgt Ion: 75 Resp: 74930

Ion Ratio Lower Upper

75 100

53 88.8 45.4 136.2

89 44.9 23.5 70.6



#78

4-Chlorotoluene

Concen: 18.021 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057173.D

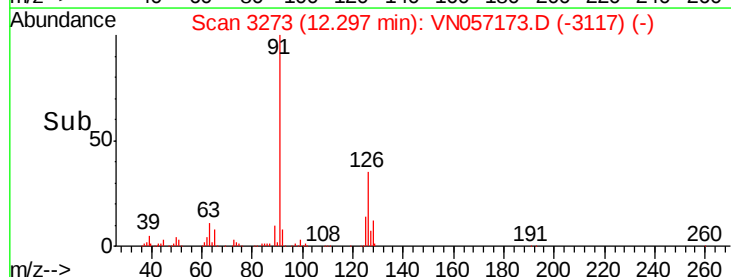
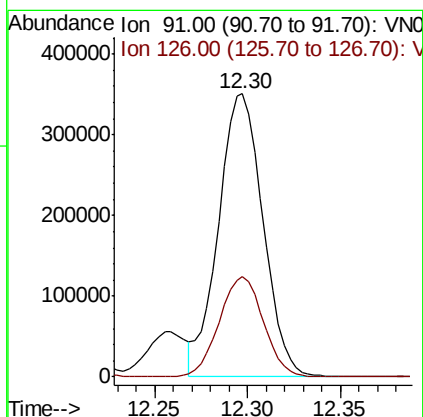
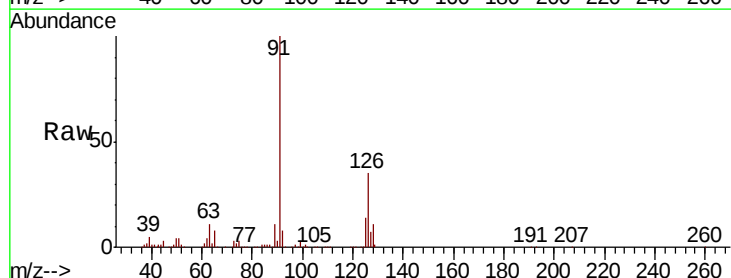
Acq: 10 Aug 2019 13:51

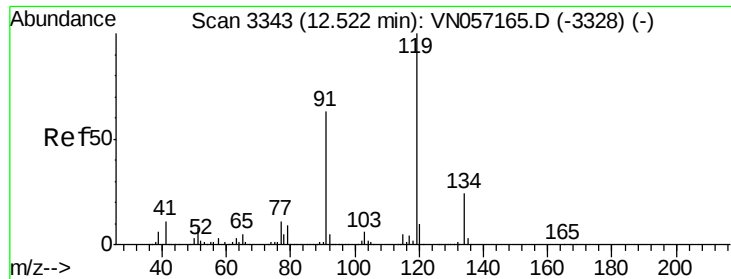
Tgt Ion: 91 Resp: 580269

Ion Ratio Lower Upper

91 100

126 35.2 0.0 70.2

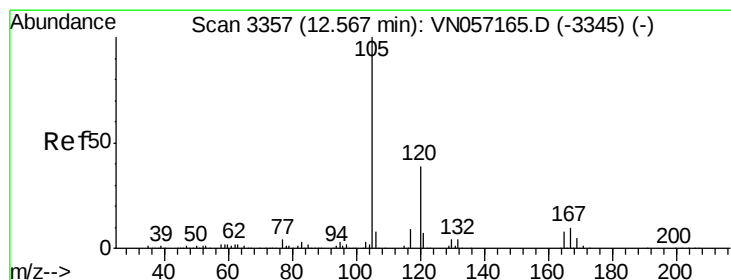
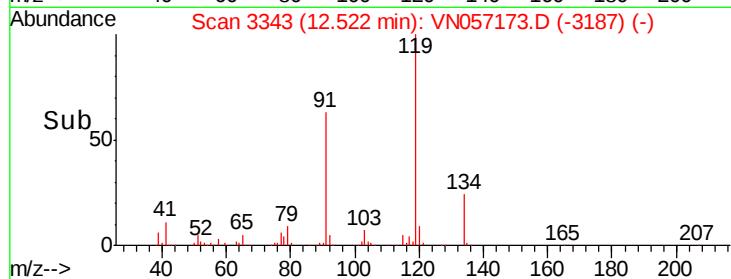
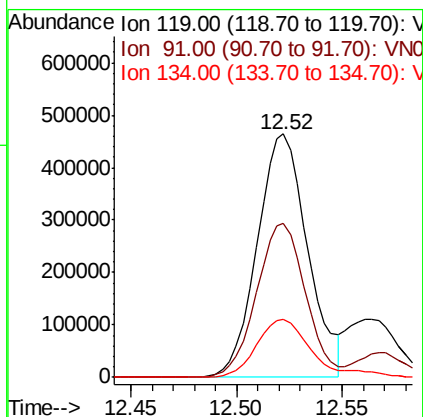
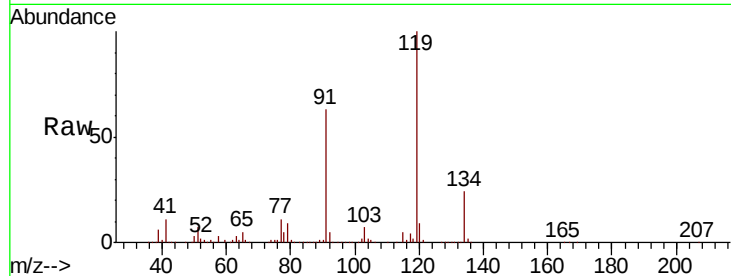




#79
tert-butylbenzene
Concen: 19.529 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

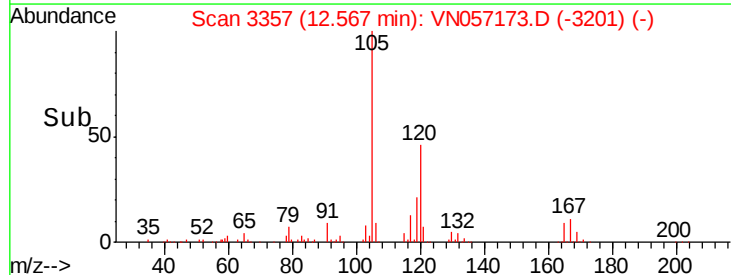
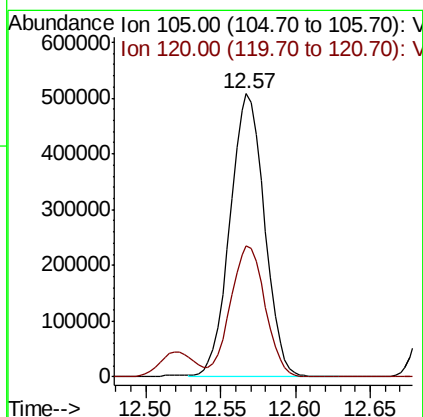
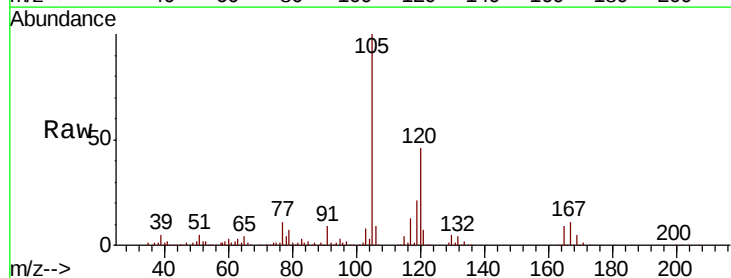
Instrument :
MSVOA_N
ClientSampleId :
BFB

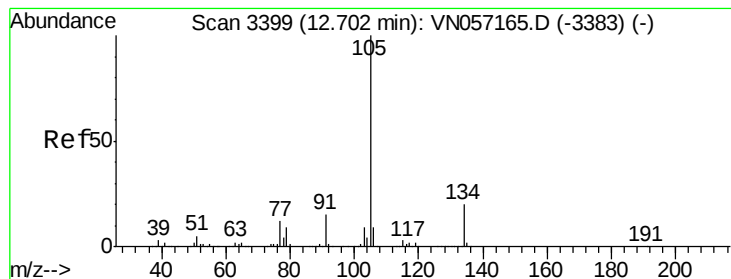
Tgt Ion:119 Resp: 773854
Ion Ratio Lower Upper
119 100
91 61.6 0.0 123.8
134 26.1 0.0 48.6



#80
1,2,4-Trimethylbenzene
Concen: 19.176 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion:105 Resp: 813015
Ion Ratio Lower Upper
105 100
120 47.0 0.0 91.2





#81

sec-Butylbenzene

Concen: 18.633 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

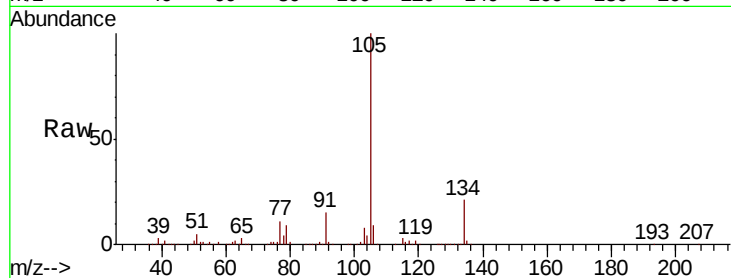
BFB

Tgt Ion:105 Resp: 930978

Ion Ratio Lower Upper

105 100

134 20.8 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.70

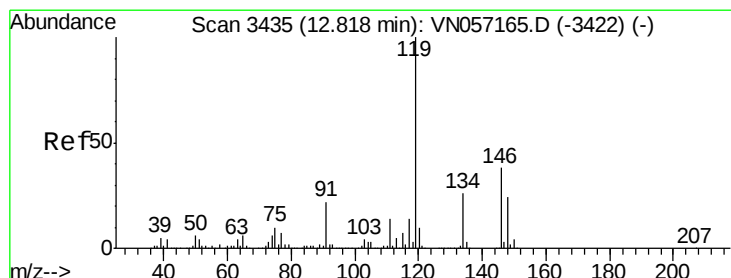
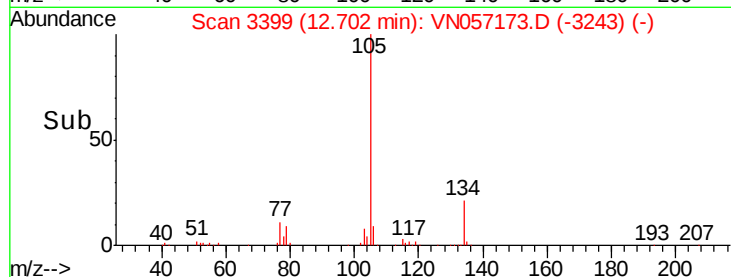
600000

400000

200000

0

Time--> 12.60 12.65 12.70 12.75



#82

p-Isopropyltoluene

Concen: 18.152 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

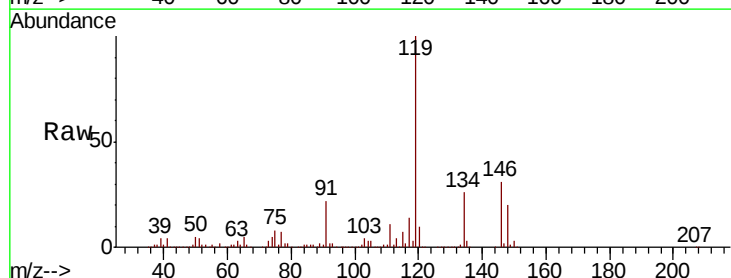
Tgt Ion:119 Resp: 807554

Ion Ratio Lower Upper

119 100

134 27.0 0.0 54.2

91 22.5 0.0 44.4



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

12.82

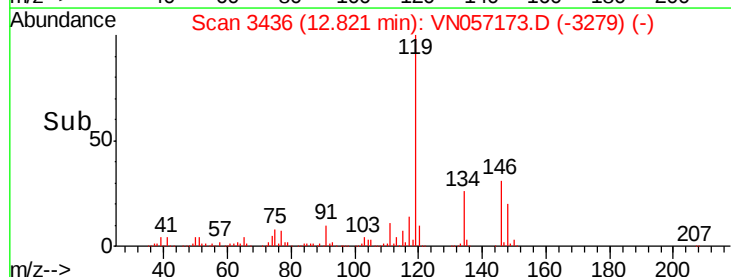
600000

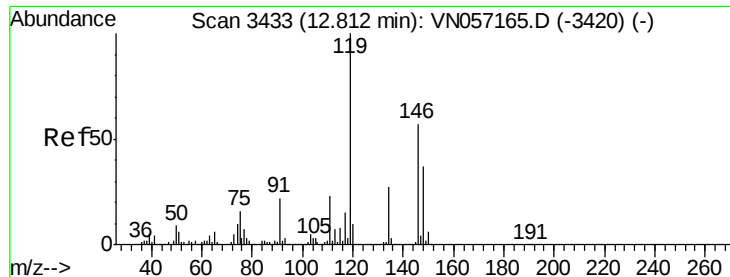
400000

200000

0

Time--> 12.75 12.80 12.85 12.90





#83

1,3-Dichlorobenzene

Concen: 17.034 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

BFB

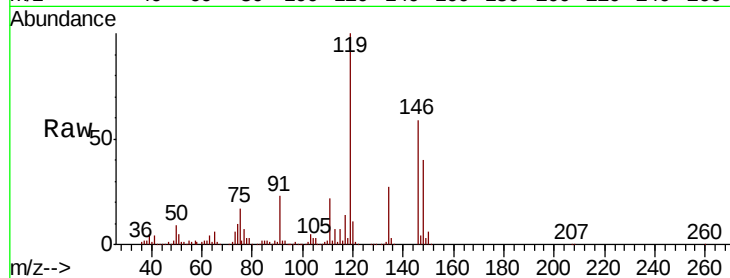
Tgt Ion:146 Resp: 359119

Ion Ratio Lower Upper

146 100

111 36.8 19.1 57.1

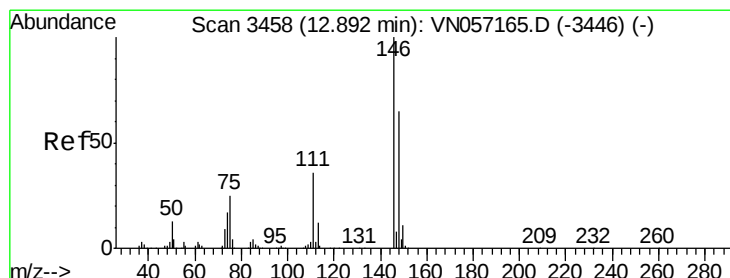
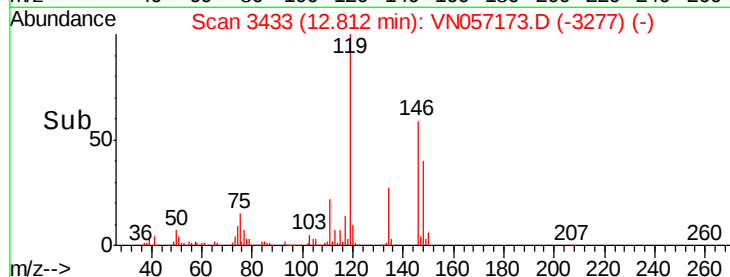
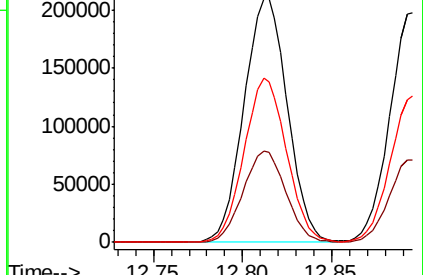
148 65.7 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 16.779 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.00 min

Lab File: VN057173.D

Acq: 10 Aug 2019 13:51

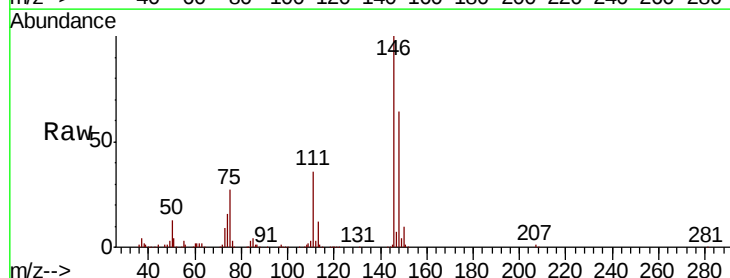
Tgt Ion:146 Resp: 329055

Ion Ratio Lower Upper

146 100

111 36.0 18.0 54.0

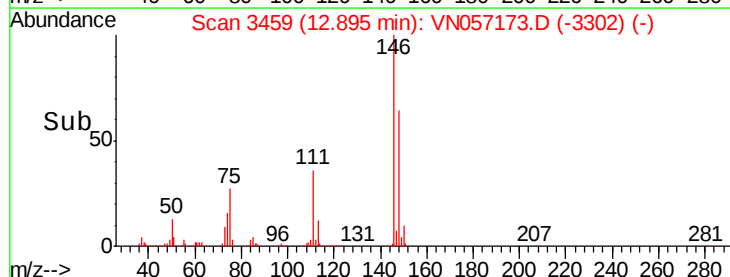
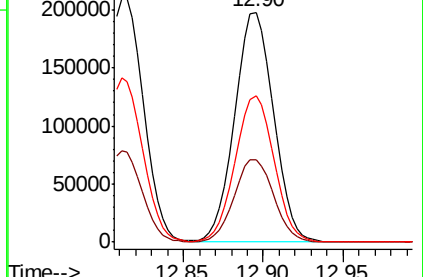
148 63.6 32.3 96.9

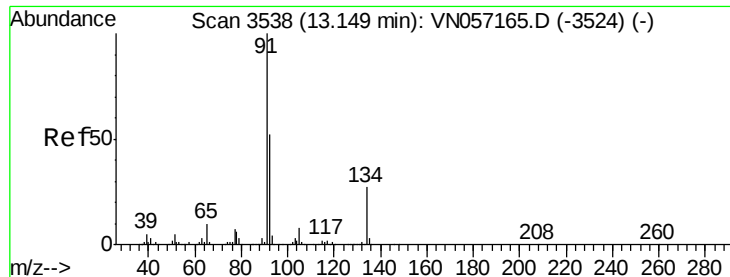


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

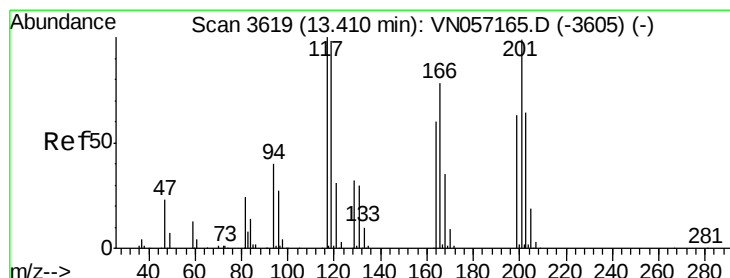
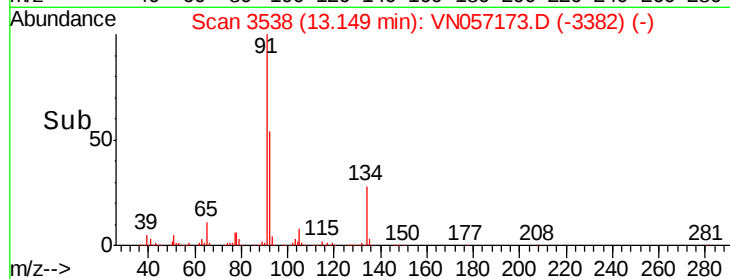
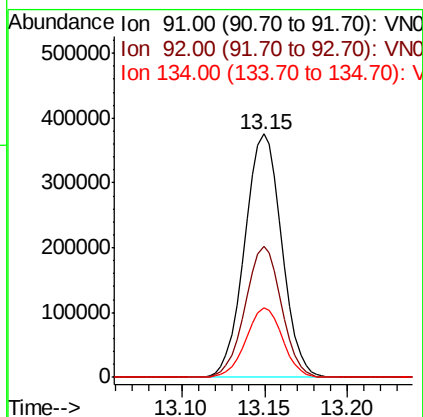
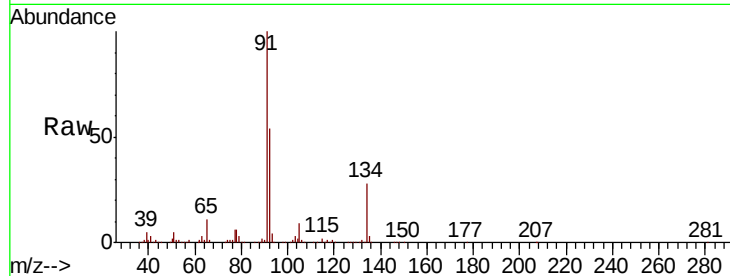




#85
n-Butylbenzene
Concen: 18.155 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

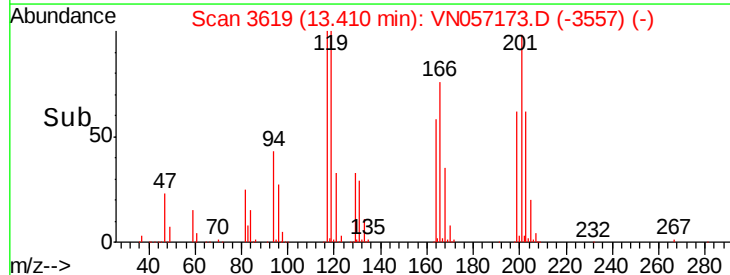
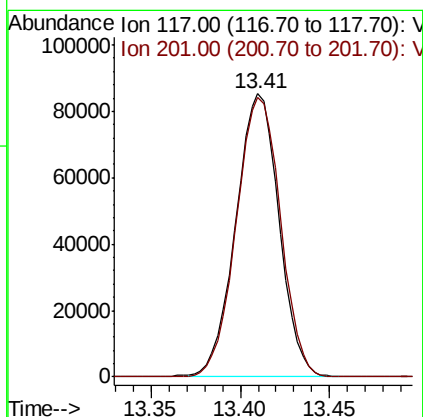
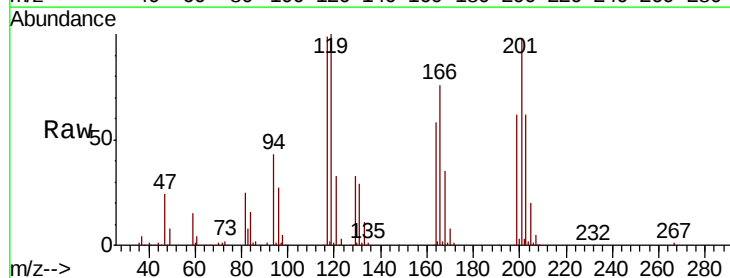
Instrument :
MSVOA_N
ClientSampled :
BFB

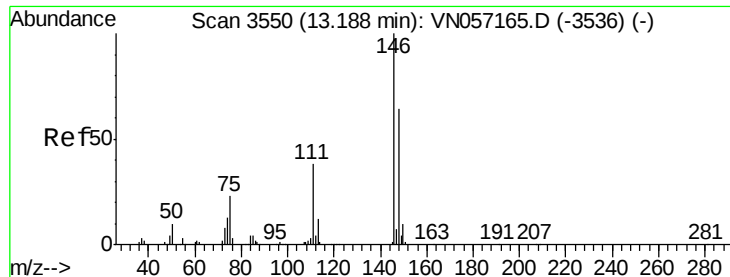
Tgt Ion: 91 Resp: 584012
Ion Ratio Lower Upper
91 100
92 52.6 0.0 104.4
134 28.3 0.0 55.0



#86
Hexachloroethane
Concen: 17.808 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion: 117 Resp: 144056
Ion Ratio Lower Upper
117 100
201 100.8 49.3 147.9

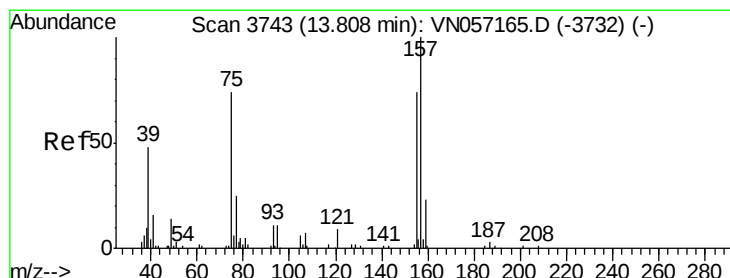
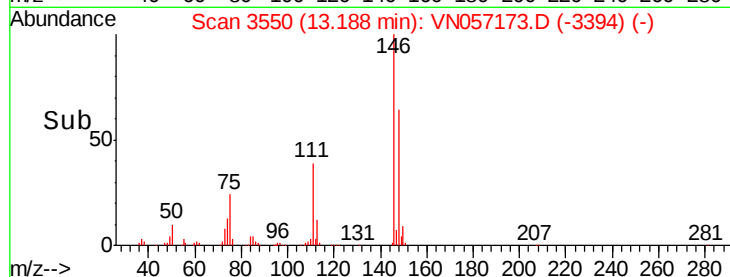
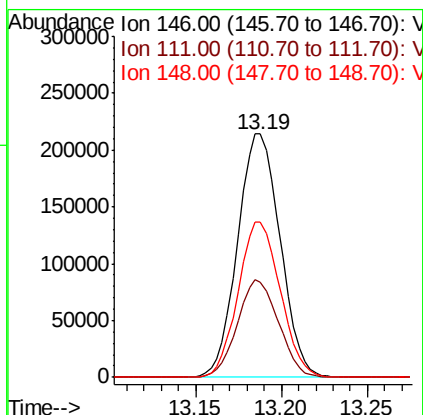
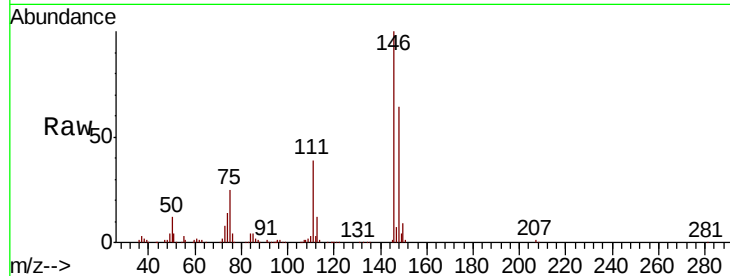




#87
 1,2-Dichlorobenzene
 Concen: 17.599 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

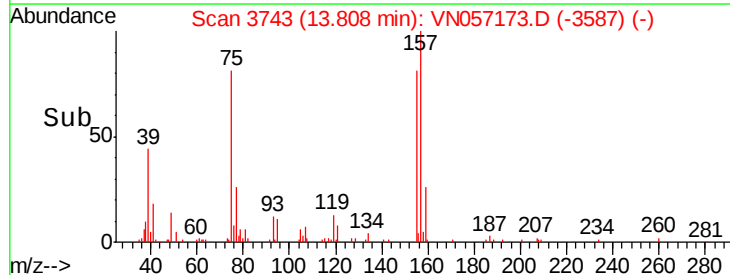
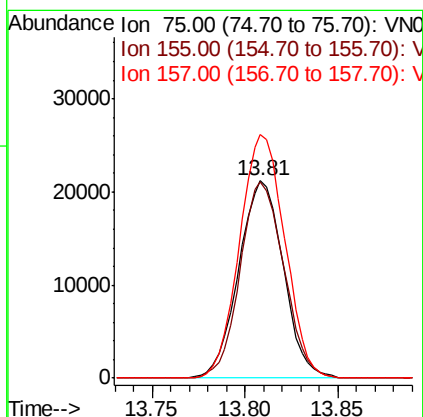
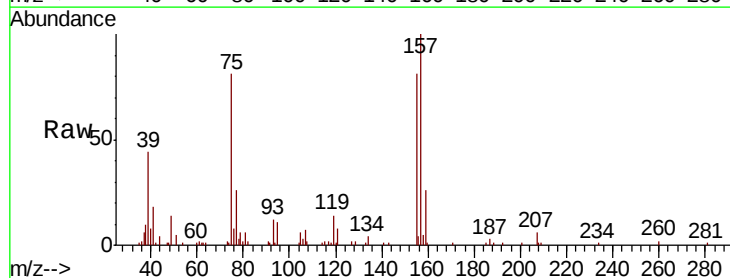
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

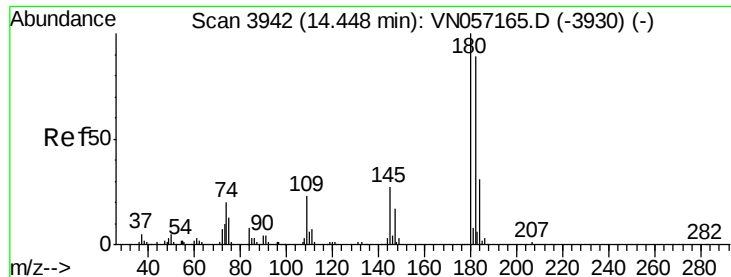
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.5
148	63.2	32.4	97.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.267 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	80.9	121.3
157	124.9	111.3	166.9

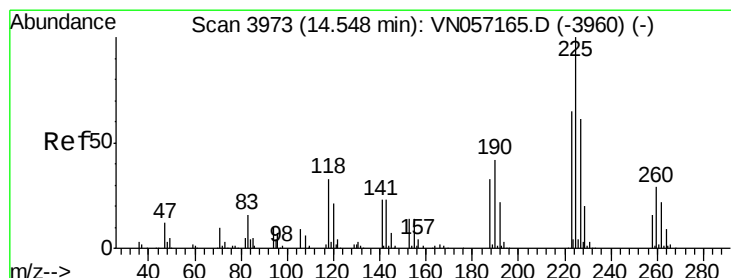
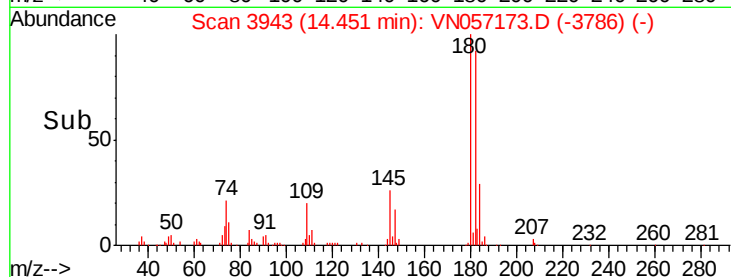
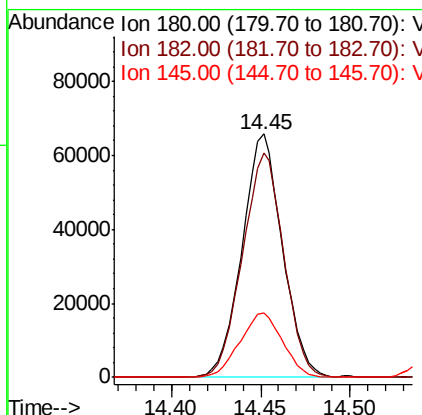
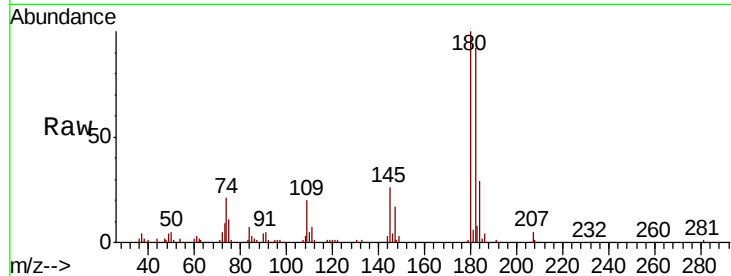




#89
 1,2,4-Trichlorobenzene
 Concen: 17.356 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

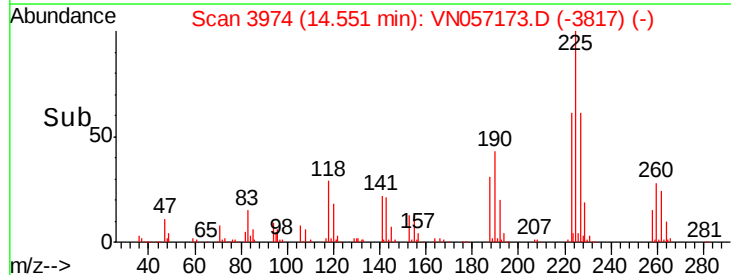
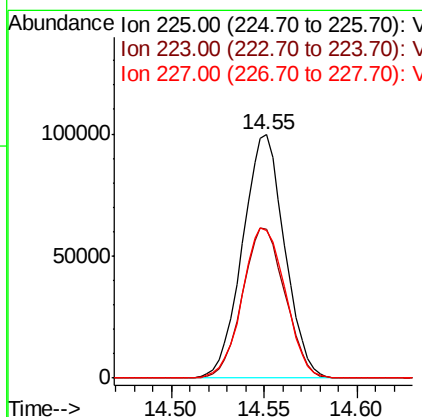
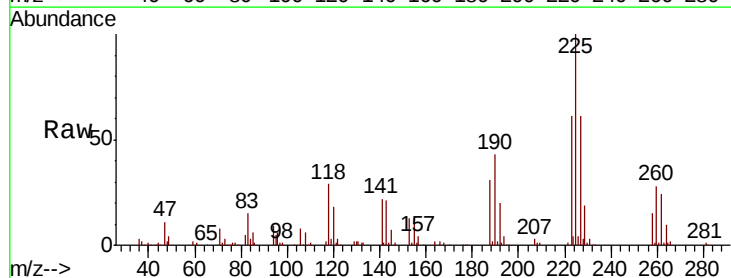
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

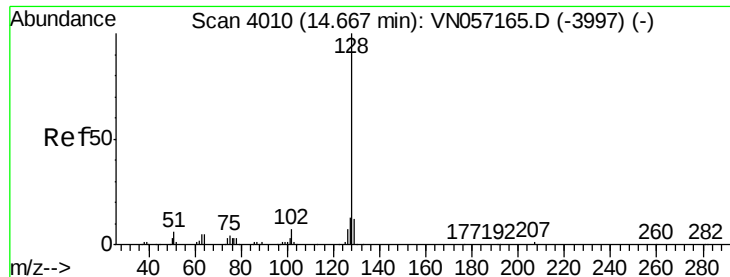
Tgt Ion:180 Resp: 104476
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.0 112.6
 145 28.0 21.7 32.5



#90
 Hexachlorobutadiene
 Concen: 17.407 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057173.D
 Acq: 10 Aug 2019 13:51

Tgt Ion:225 Resp: 156901
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 128.0
 227 63.2 0.0 125.6

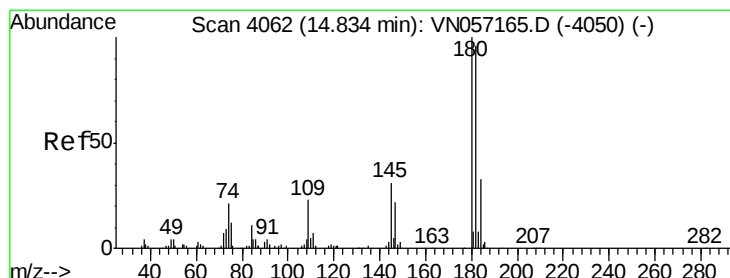
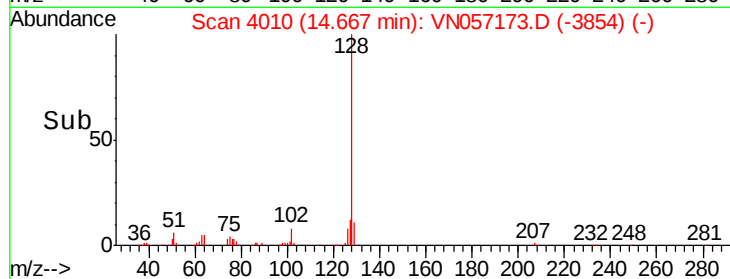
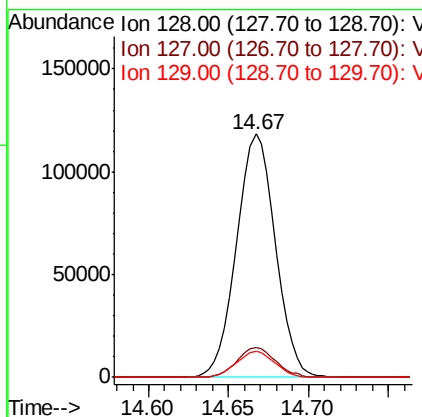
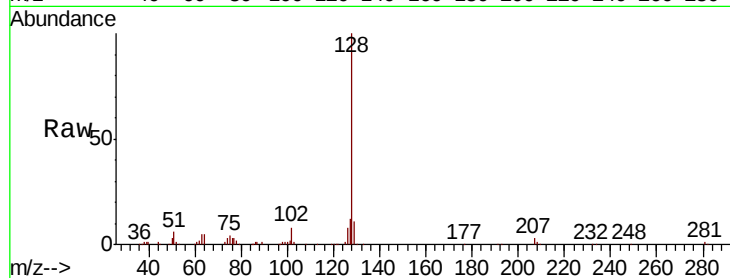




#91
Naphthalene
Concen: 12.339 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.4
129	10.5	8.6	13.0



#92
1,2,3-Trichlorobenzene
Concen: 18.458 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057173.D
Acq: 10 Aug 2019 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	0.0	195.8
145	29.0	0.0	61.2

