

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090919\
 Data File : VN057792.D
 Acq On : 9 Sep 2019 11:02
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Quant Time: Sep 09 12:17:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	77265	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	454990	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	403084	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	200549	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	12.40	95	201445	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	10.08	98	574189	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	98358	21.070	ug/l 98
3) Chloromethane	2.03	50	118220	20.310	ug/l 94
4) Vinyl Chloride	2.16	62	119327	20.036	ug/l 100
5) Bromomethane	2.54	94	75382	20.282	ug/l 95
6) Chloroethane	2.68	64	69491	18.775	ug/l 97
7) Trichlorofluoromethane	2.99	101	134597	19.562	ug/l 99
8) Diethyl Ether	3.39	74	58116	20.937	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88406	20.577	ug/l 98
10) 1,1-Dichloroethene	3.71	96	84484	20.679	ug/l 93
11) Methyl Iodide	3.93	142	108953	19.932	ug/l 96
12) Methyl Acetate	4.31	43	110779	19.758	ug/l 96
13) Acrolein	3.59	56	28883	94.946	ug/l 95
14) Acrylonitrile	4.96	53	228040	99.771	ug/l # 91
15) Acetone	3.80	58	66522	102.517	ug/l 99
16) Carbon Disulfide	4.03	76	194441	20.438	ug/l 99
17) Allyl chloride	4.30	41	152296	20.343	ug/l 94
18) Methylene Chloride	4.53	84	104151	20.230	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	90275	19.826	ug/l 99
20) Diisopropyl ether	5.93	45	341780	19.528	ug/l 98
21) 1,1-Dichloroethane	5.83	63	189892	19.677	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	113808	20.399	ug/l 95
23) tert-Butyl Alcohol	4.77	59	75431	101.092	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	309115	19.740	ug/l # 100
25) Chloroform	7.36	83	193521	19.697	ug/l 98
26) Cyclohexane	7.64	56	154312	19.031	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	139859	19.540	ug/l 100
30) 2-Butanone	6.82	43	320945	99.446	ug/l 99
31) 2,2-Dichloropropane	6.81	77	149638	19.802	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	154514	19.200	ug/l 97
33) Carbon Tetrachloride	7.76	117	125829	19.167	ug/l 94
34) Benzene	8.03	78	413053	19.476	ug/l 99
35) Methacrylonitrile	7.15	41	51183	17.099	ug/l 94
36) 1,2-Dichloroethane	8.11	62	159191	19.343	ug/l 100
37) Trichloroethene	8.83	130	102359	19.871	ug/l 97
38) Methylcyclohexane	9.07	83	154117	18.909	ug/l 99
39) 1,2-Dichloropropane	9.11	63	113543	19.063	ug/l 98
40) Dibromomethane	9.20	93	71541	19.749	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	137867	18.877	ug/l	97
42) Vinyl Acetate	5.87	43	1379653	106.364	ug/l	99
43) Ethyl Acetate	6.91	43	128805	19.562	ug/l #	84
44) Isopropyl Acetate	8.15	43	220280	19.187	ug/l #	92
45) 1,4-Dioxane	9.19	88	34682	384.446	ug/l	98
46) Methyl methacrylate	9.19	41	106372	18.968	ug/l	97
47) n-amyl Acetate	12.07	43	193339	18.333	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	144351	18.566	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	164342	18.839	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	99696	18.973	ug/l	98
51) Ethyl methacrylate	10.43	69	154706	18.988	ug/l	98
52) 1,3-Dichloropropane	10.71	76	177812	19.350	ug/l	99
53) Dibromochloromethane	10.90	129	96119	18.522	ug/l	99
54) 1,2-Dibromoethane	11.00	107	98927	18.922	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	377612	97.537	ug/l	99
56) Bromoform	12.13	173	57372	17.846	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	674695	107.935	ug/l	99
59) 2-Hexanone	10.75	43	484991	103.391	ug/l	100
61) Tetrachloroethene	10.63	164	81181	19.809	ug/l	98
62) Toluene	10.15	91	449349	20.133	ug/l	99
64) Chlorobenzene	11.43	112	272297	19.667	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	92977	19.341	ug/l	99
66) Ethyl Benzene	11.51	91	497503	20.424	ug/l	100
67) m/p-Xylenes	11.62	106	361121	38.842	ug/l	99
68) o-Xylene	11.95	106	176134	19.338	ug/l	98
69) Styrene	11.96	104	303805	19.563	ug/l	99
70) Isopropylbenzene	12.25	105	489518	20.329	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	147251	19.567	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	178299	26.694	ug/l	72
73) Bromobenzene	12.53	156	112240	19.470	ug/l	97
74) n-propylbenzene	12.59	91	565882	20.569	ug/l	99
75) 2-Chlorotoluene	12.68	91	335573	19.583	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	409827	19.987	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34559	17.440	ug/l	94
78) 4-Chlorotoluene	12.78	91	344358	19.701	ug/l	98
79) tert-butylbenzene	13.00	119	354211	19.801	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	409737	20.055	ug/l	100
81) sec-Butylbenzene	13.17	105	479454	20.201	ug/l	100
82) p-Isopropyltoluene	13.29	119	422511	19.878	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	209298	19.532	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	207117	19.633	ug/l	98
85) n-Butylbenzene	13.62	91	393558	19.868	ug/l	99
86) Hexachloroethane	13.88	117	59563	17.593	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	202420	19.461	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25500	19.245	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	136188	21.434	ug/l	97
90) Hexachlorobutadiene	15.01	225	60538	20.746	ug/l	97
91) Naphthalene	15.13	128	412292	23.583	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	135321	22.331	ug/l	99

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QLast Update : Mon Sep 09 12:14:07 2019
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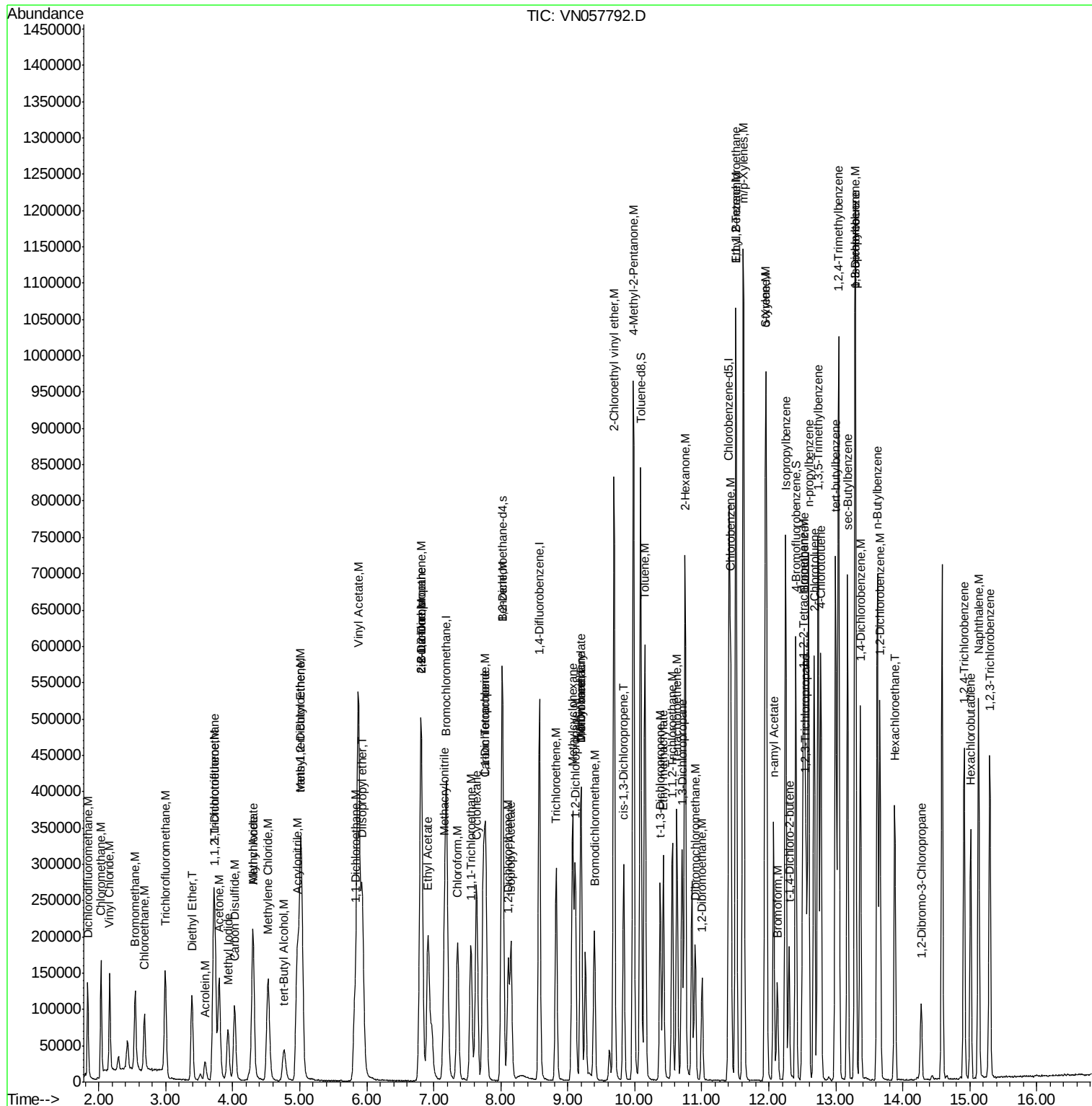
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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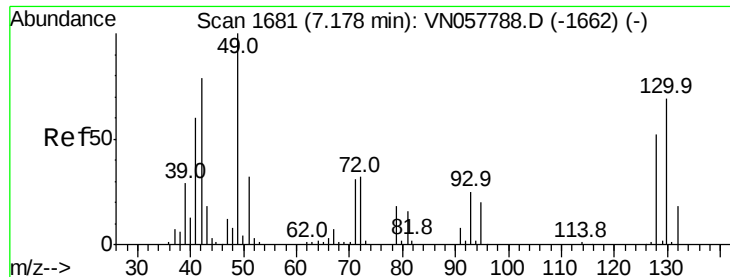
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 09 12:17:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

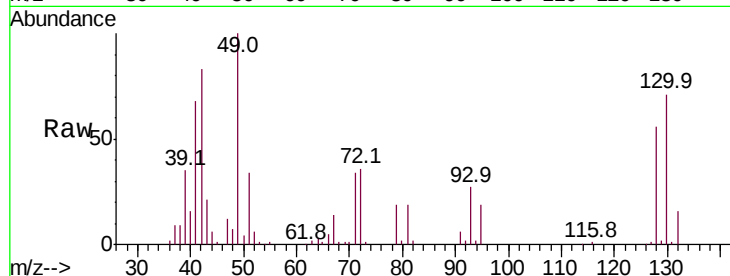
Tot Ion:128 Resp: 77265

Ion Ratio Lower Upper

128 100

49 186.9 0.0 486.5

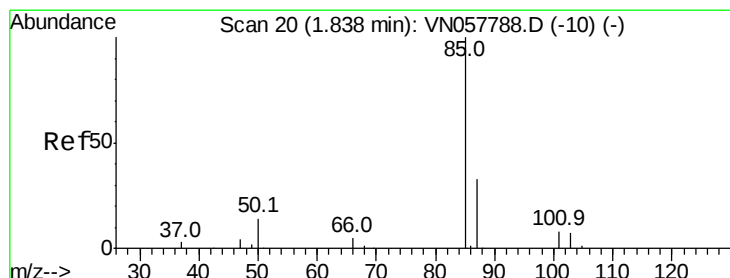
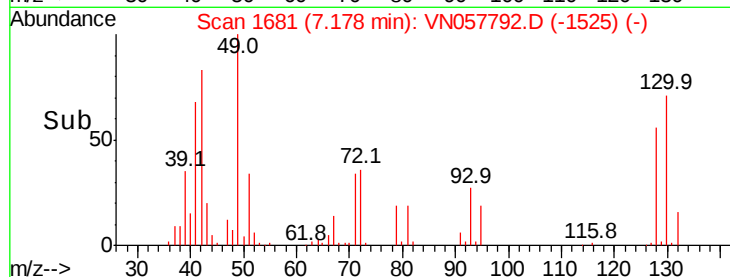
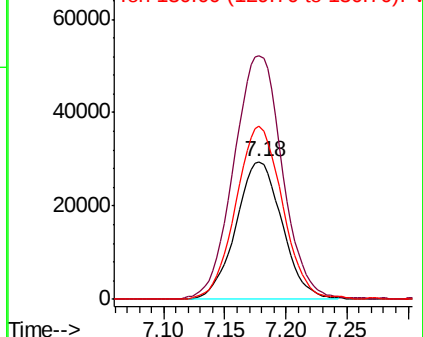
130 127.0 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.070 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057792.D

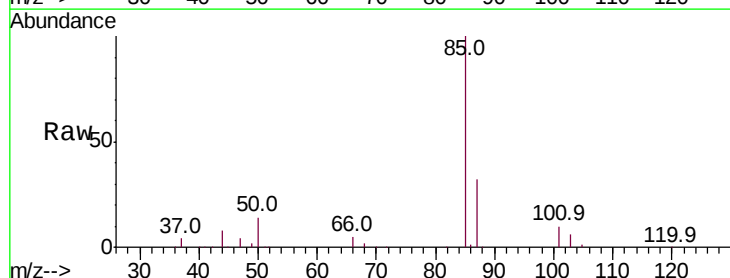
Acq: 9 Sep 2019 11:02

Tgt Ion: 85 Resp: 98358

Ion Ratio Lower Upper

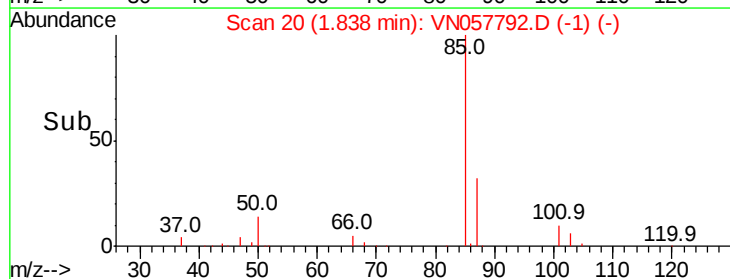
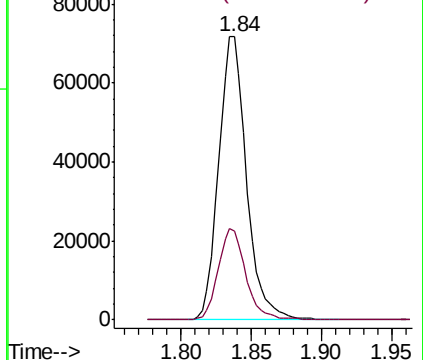
85 100

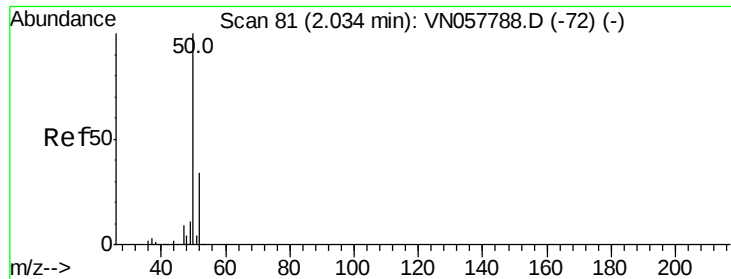
87 31.6 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.310 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

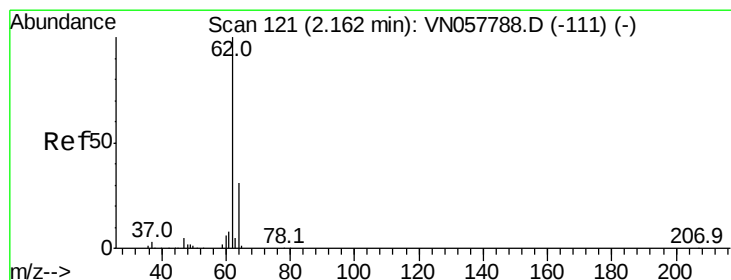
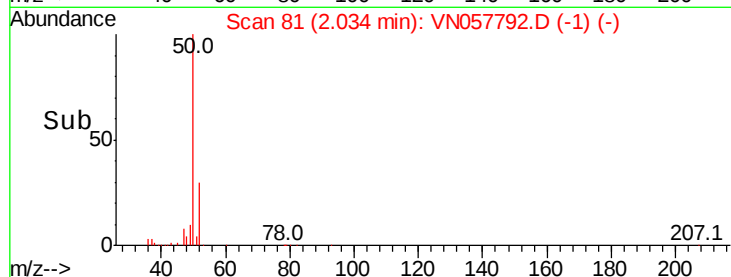
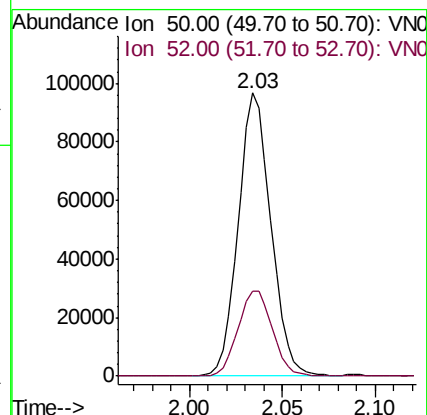
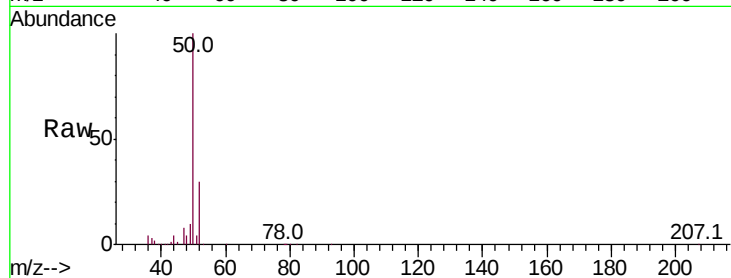
ICVFN090919

Tot Ion: 50 Resp: 118220

Ion Ratio Lower Upper

50 100

52 30.1 26.9 40.3



#4

Vinyl Chloride

Concen: 20.036 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057792.D

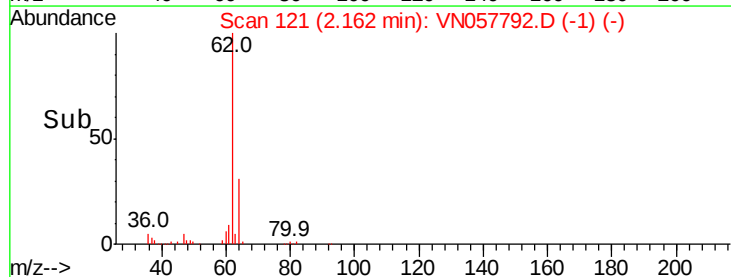
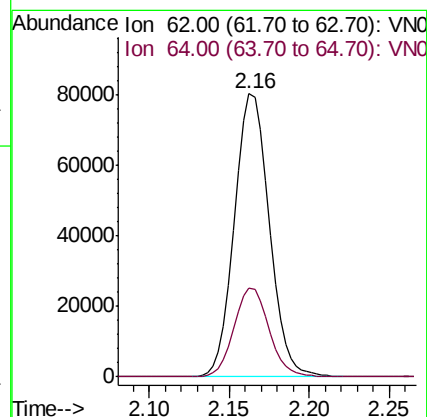
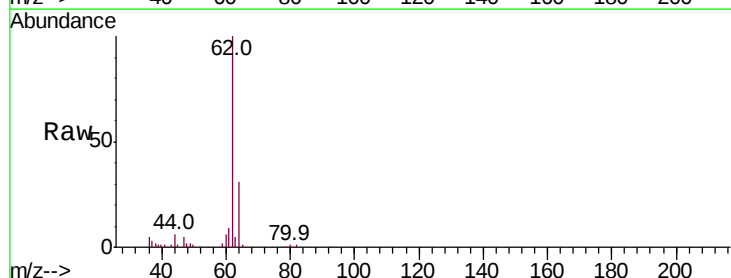
Acq: 9 Sep 2019 11:02

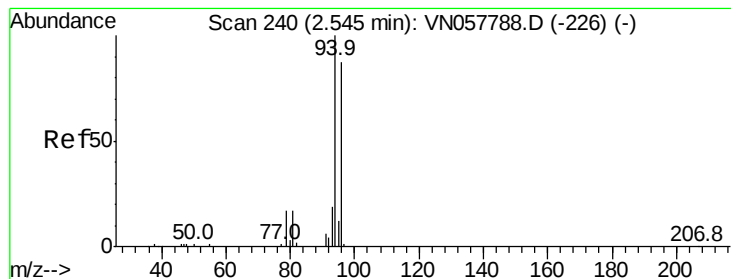
Tgt Ion: 62 Resp: 119327

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 20.282 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

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ClientSampleId :

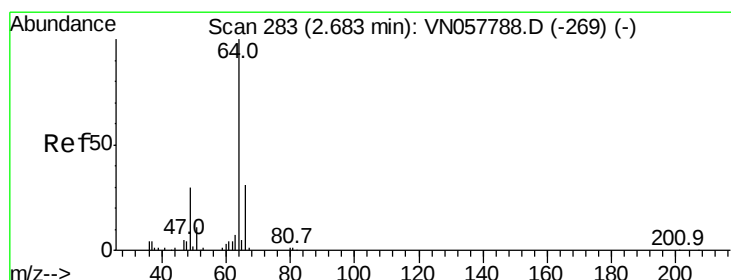
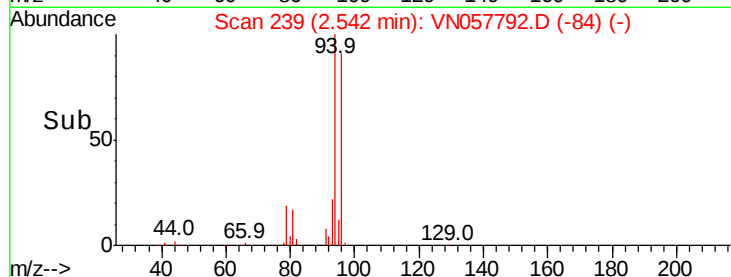
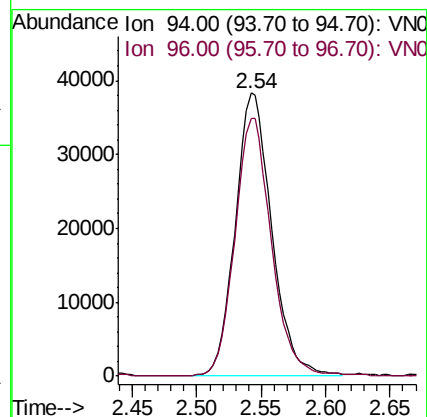
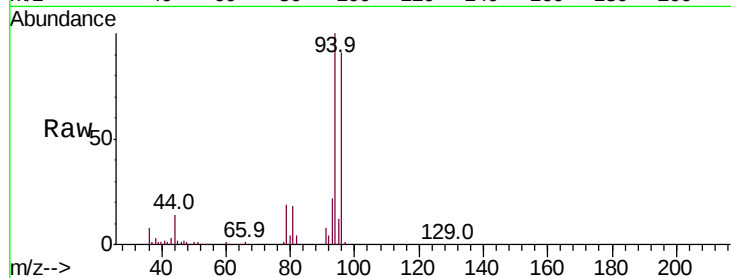
ICVVN090919

Tot Ion: 94 Resp: 75382

Ion Ratio Lower Upper

94 100

96 91.1 69.2 103.8



#6

Chloroethane

Concen: 18.775 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN057792.D

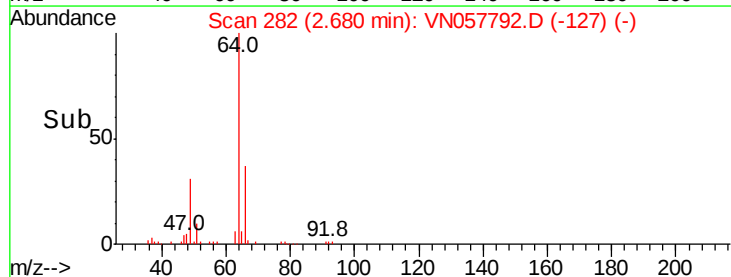
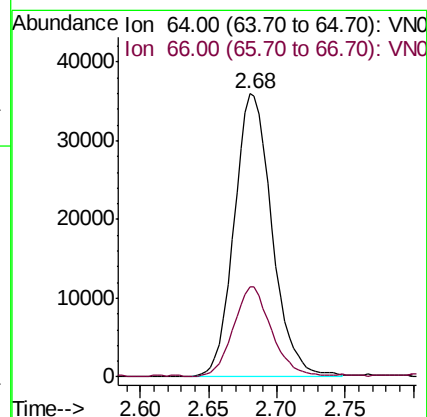
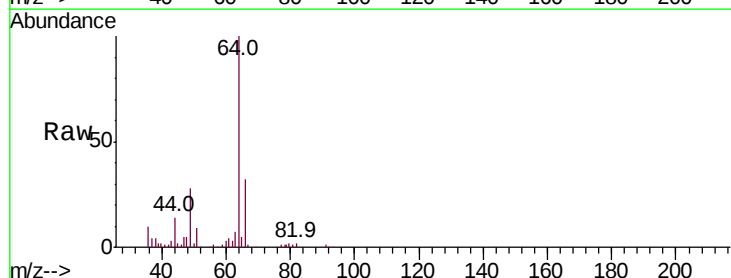
Acq: 9 Sep 2019 11:02

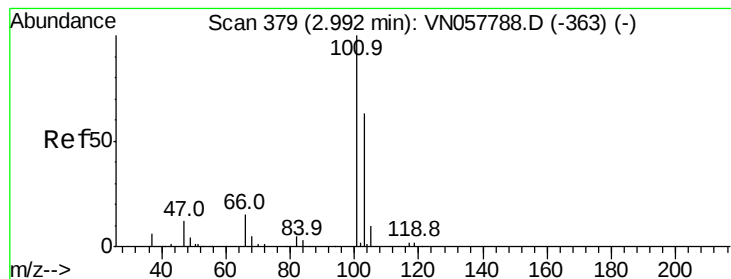
Tgt Ion: 64 Resp: 69491

Ion Ratio Lower Upper

64 100

66 32.0 24.4 36.6





#7

Trichlorofluoromethane

Concen: 19.562 ug/l

RT: 2.99 min Scan# 379

Delta R.T. 0.00 min

Lab File: VN057792.D

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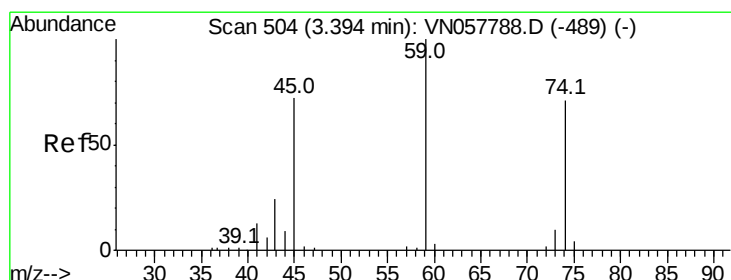
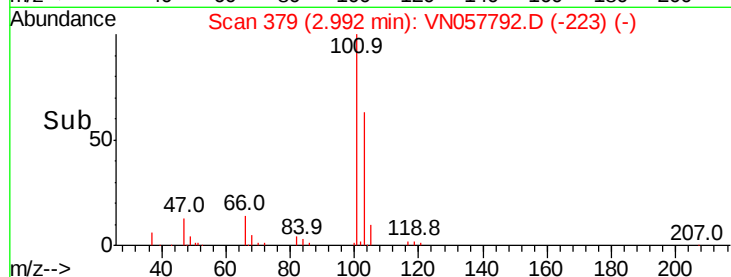
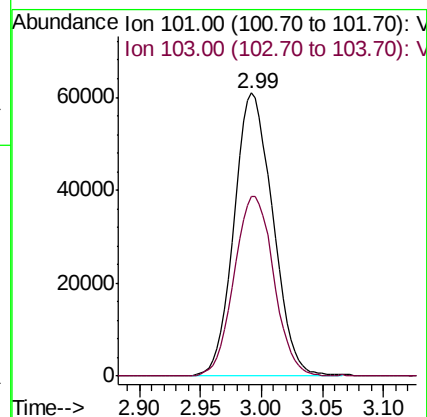
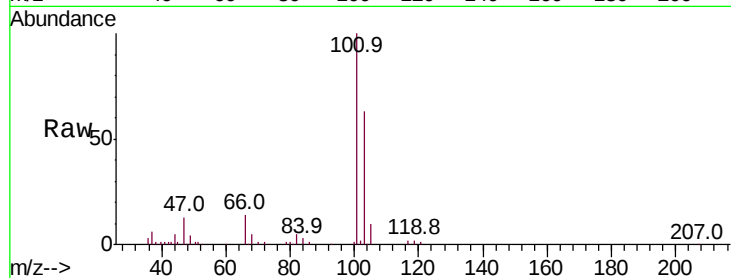
ICVVN090919

Tot Ion:101 Resp: 134597

Ion Ratio Lower Upper

101 100

103 63.5 50.2 75.2



#8

Diethyl Ether

Concen: 20.937 ug/l

RT: 3.39 min Scan# 503

Delta R.T. -0.00 min

Lab File: VN057792.D

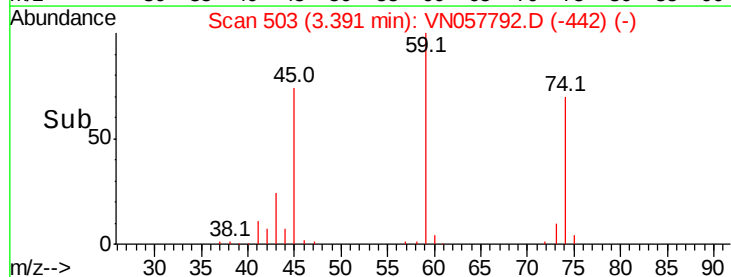
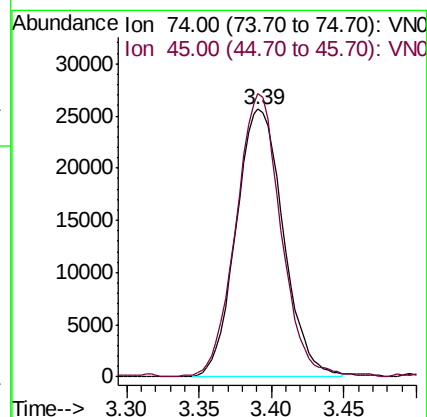
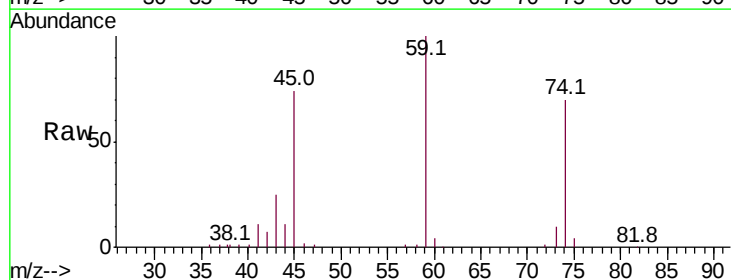
Acq: 9 Sep 2019 11:02

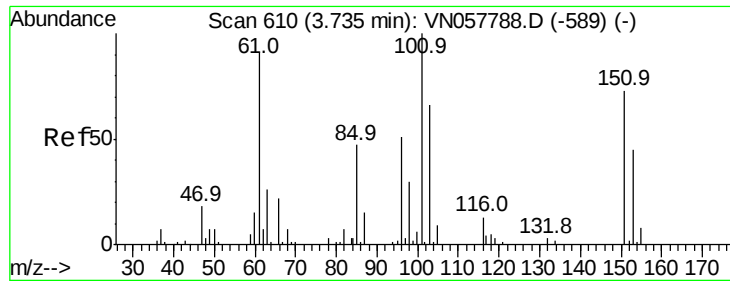
Tgt Ion: 74 Resp: 58116

Ion Ratio Lower Upper

74 100

45 100.6 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.577 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

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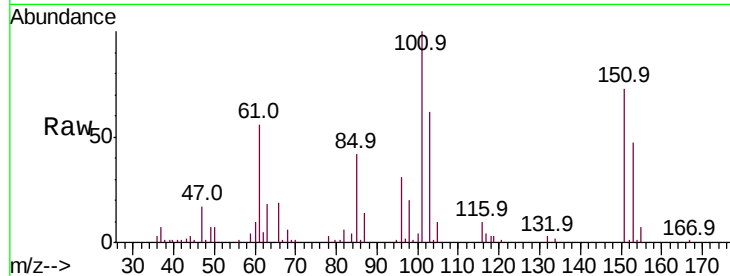
Tot Ion:101 Resp: 88406

Ion Ratio Lower Upper

101 100

85 46.7 0.0 94.0

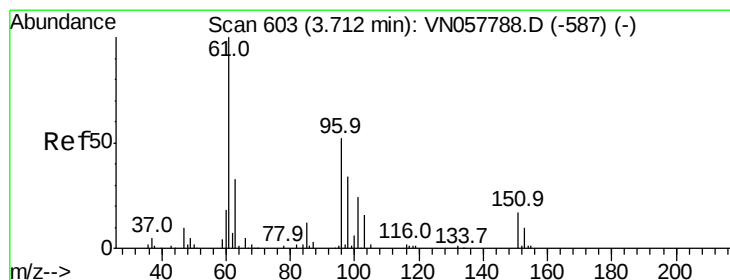
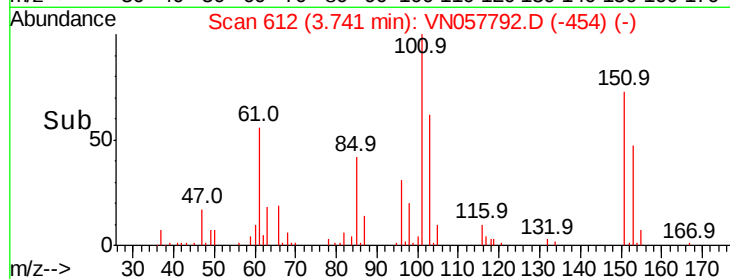
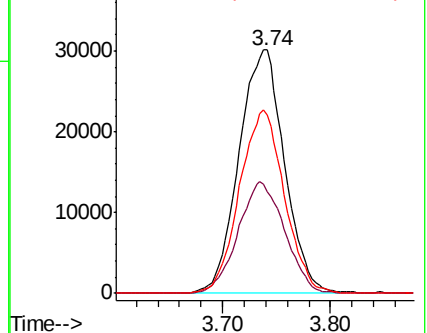
151 74.1 0.0 144.4



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: 20.679 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

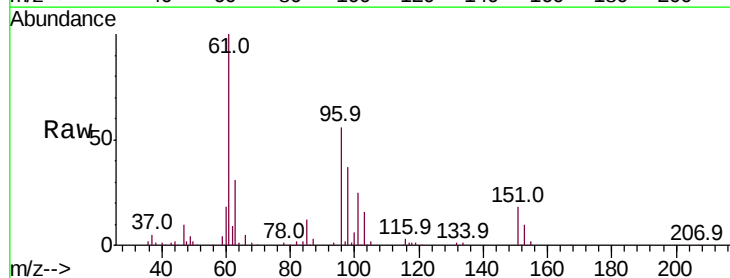
Tgt Ion: 96 Resp: 84484

Ion Ratio Lower Upper

96 100

61 178.6 153.4 230.0

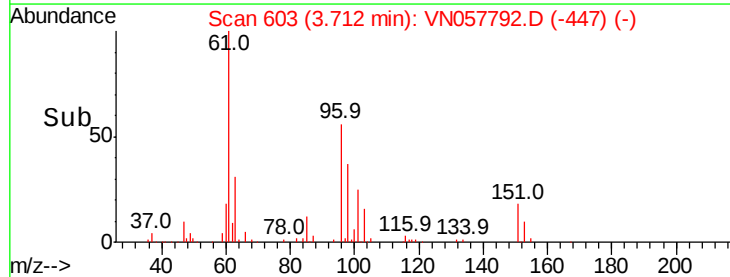
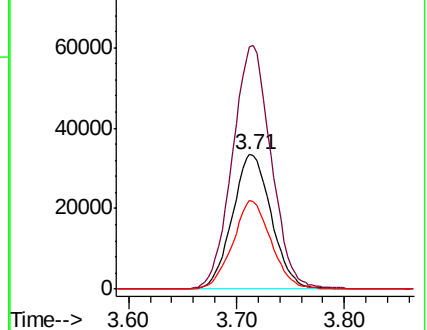
98 65.8 51.5 77.3

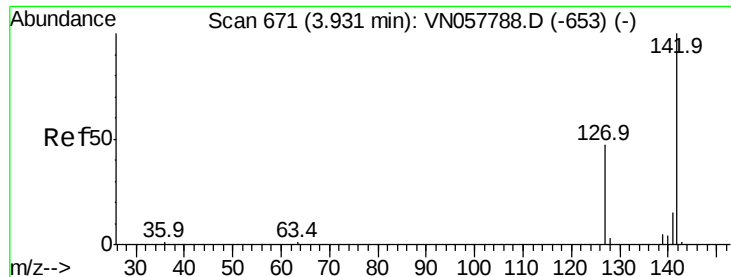


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

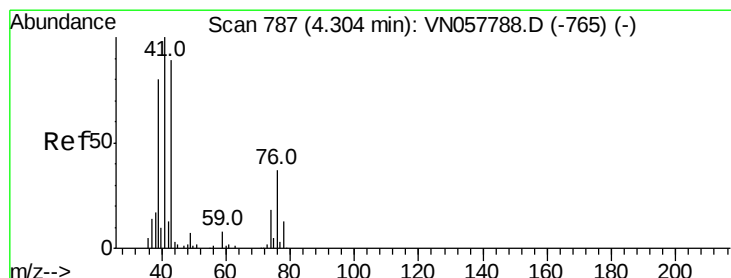
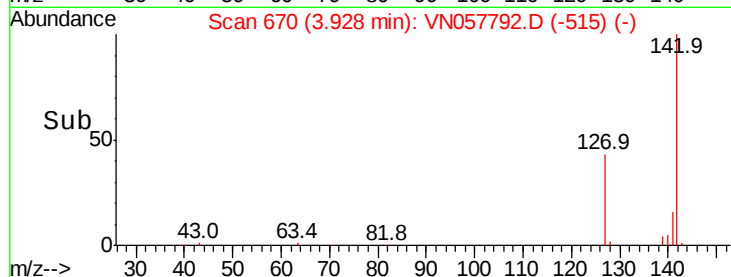
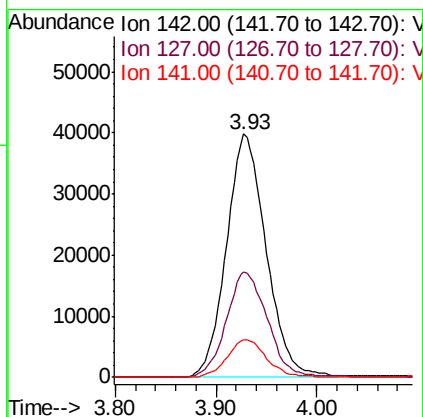
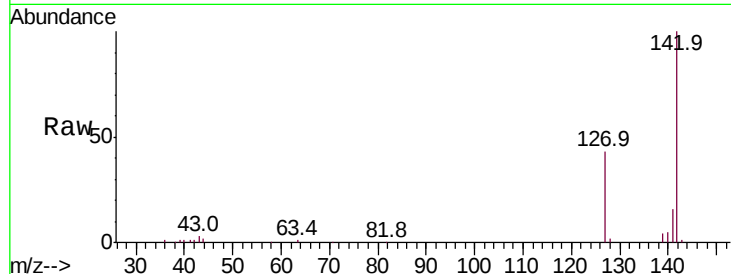




#11
Methvl Iodide
Concen: 19.932 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

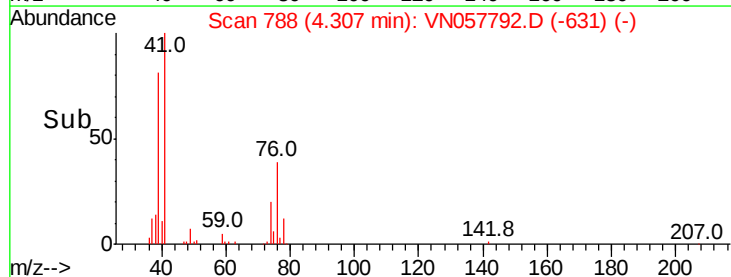
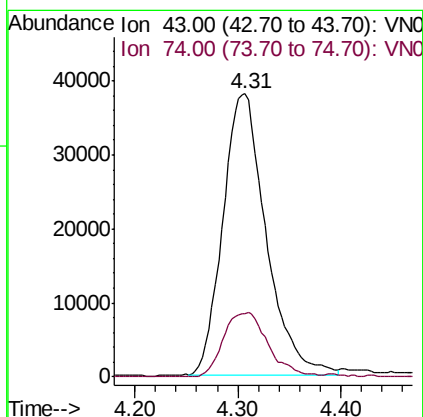
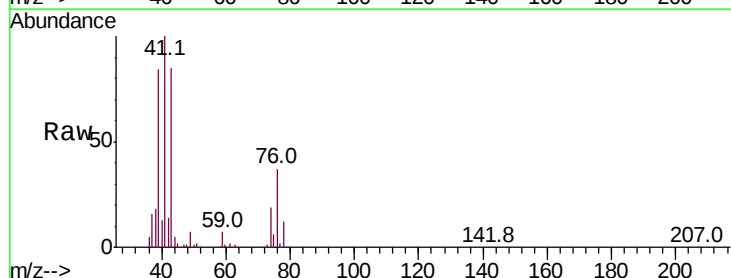
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

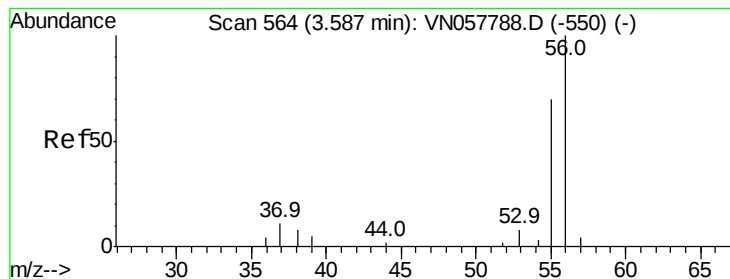
Tot Ion:142 Resp: 108953
Ion Ratio Lower Upper
142 100
127 43.2 23.3 69.8
141 15.7 7.5 22.6



#12
Methyl Acetate
Concen: 19.758 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 43 Resp: 110779
Ion Ratio Lower Upper
43 100
74 22.3 16.2 24.4





#13

Acrolein

Concen: 94.946 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

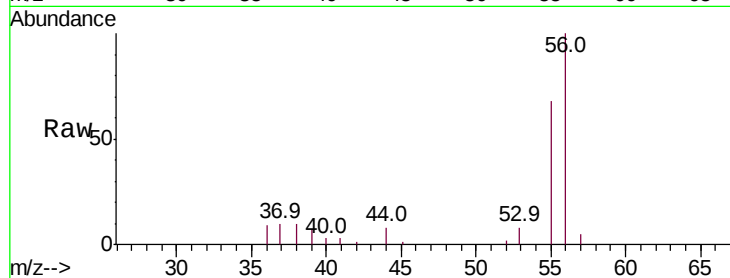
ICVVN090919

Tot Ion: 56 Resp: 28883

Ion Ratio Lower Upper

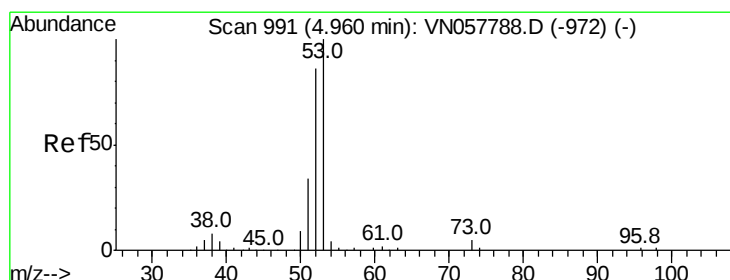
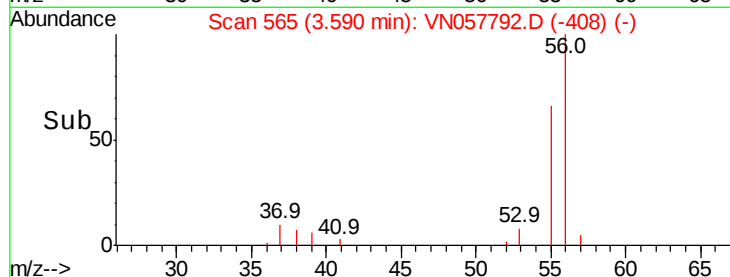
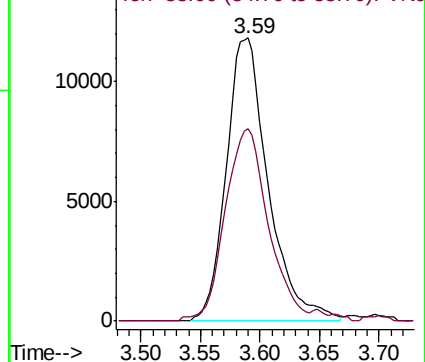
56 100

55 69.5 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.771 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

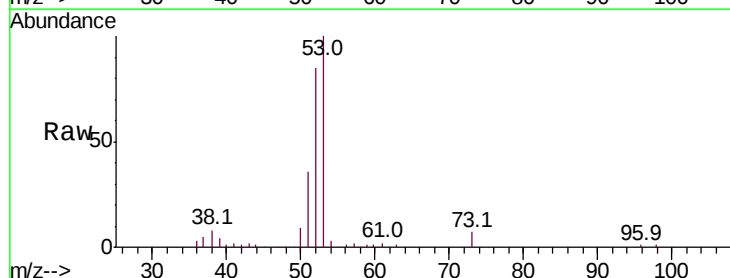
Tgt Ion: 53 Resp: 228040

Ion Ratio Lower Upper

53 100

52 83.2 41.0 123.0

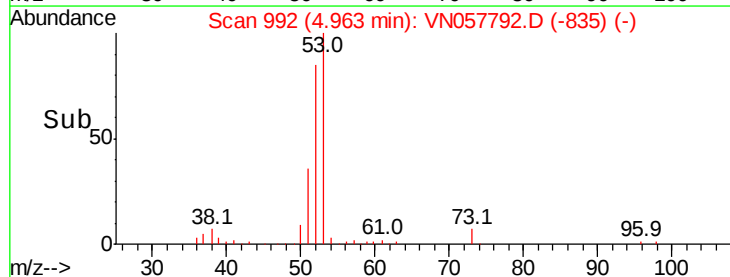
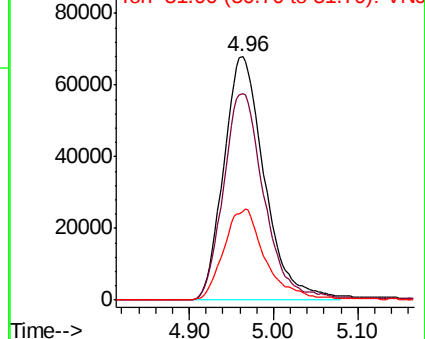
51 37.8 8.6 25.8#

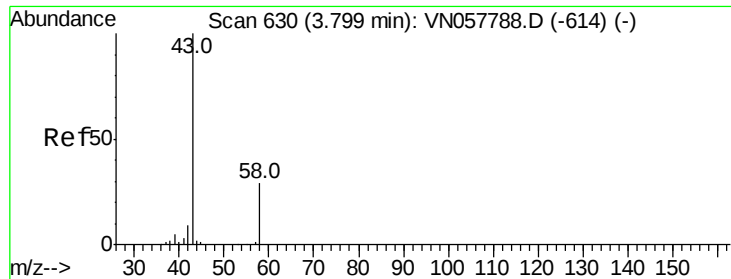


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.517 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

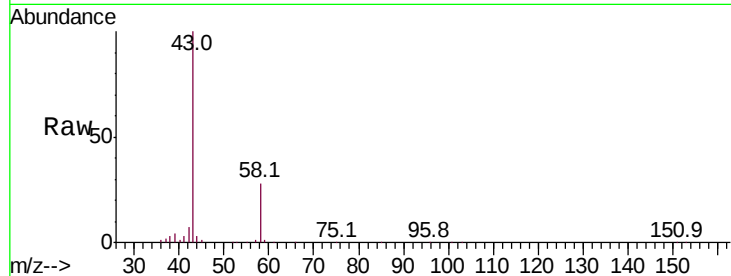
ICVVN090919

Tot Ion: 58 Resp: 66522

Ion Ratio Lower Upper

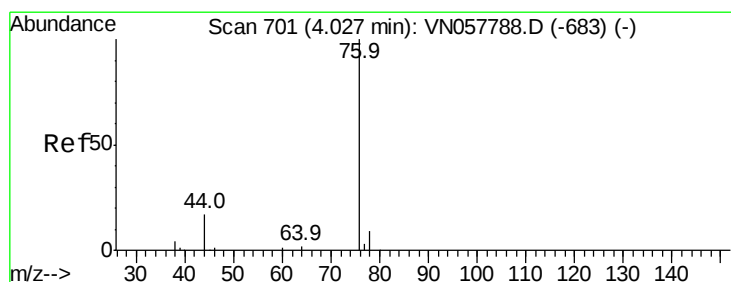
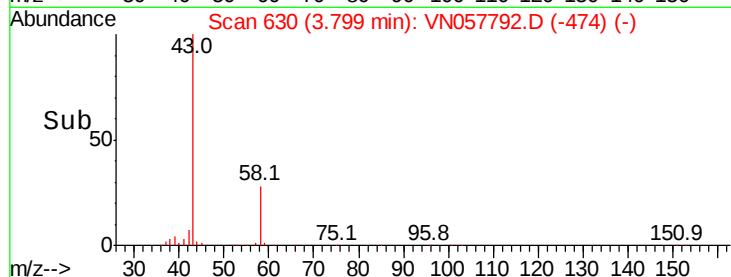
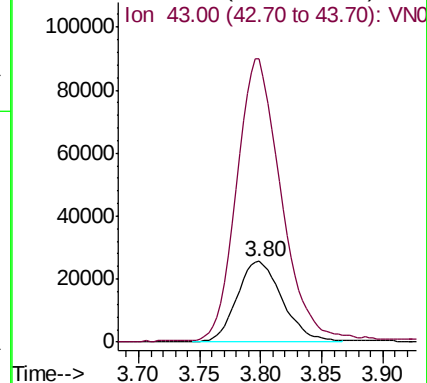
58 100

43 348.5 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 20.438 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057792.D

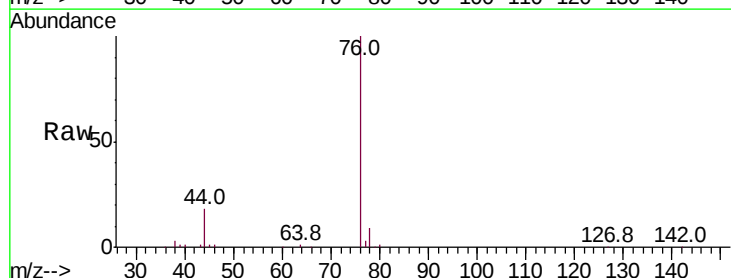
Acq: 9 Sep 2019 11:02

Tgt Ion: 76 Resp: 194441

Ion Ratio Lower Upper

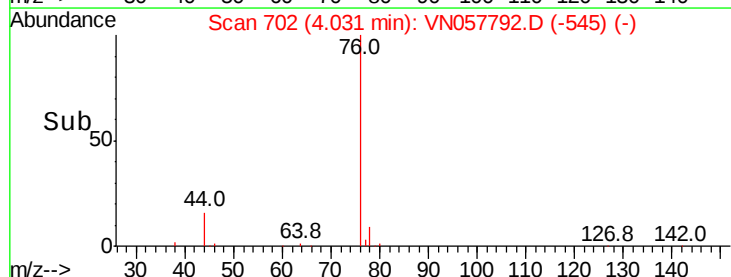
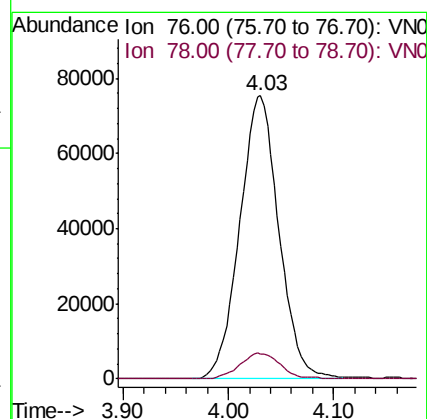
76 100

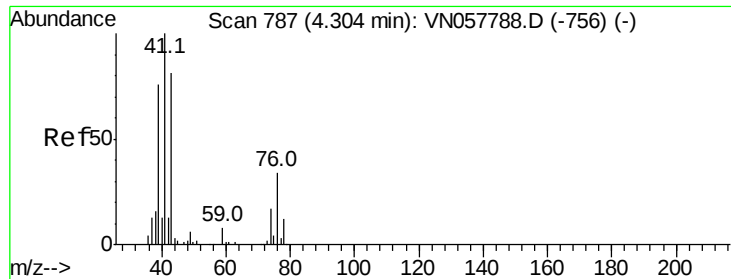
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)

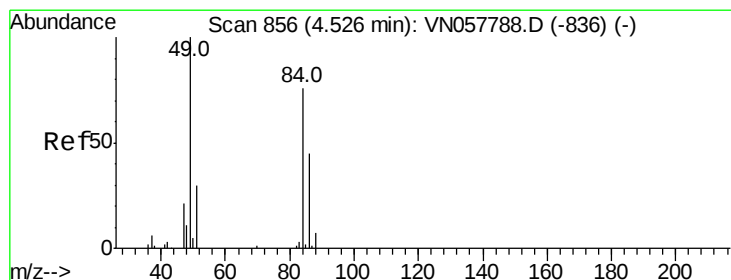
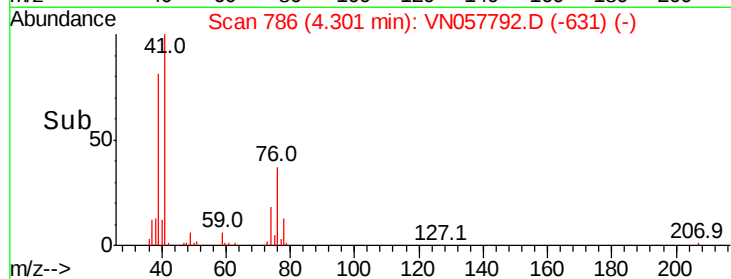
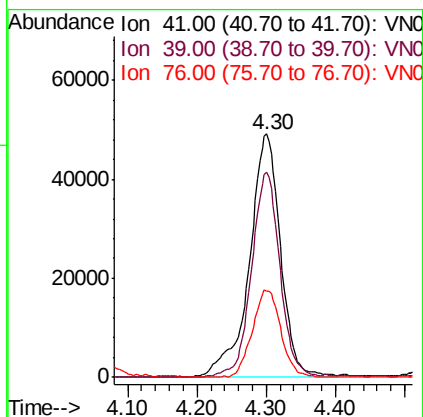
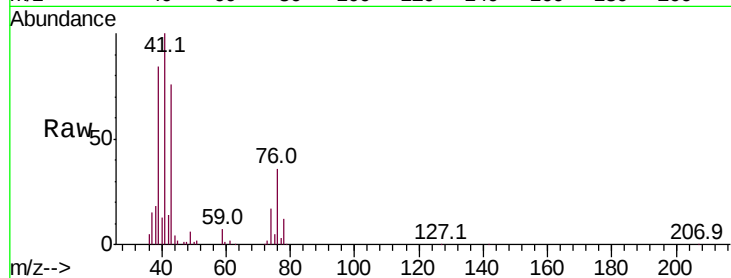




#17
Allvl chloride
Concen: 20.343 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

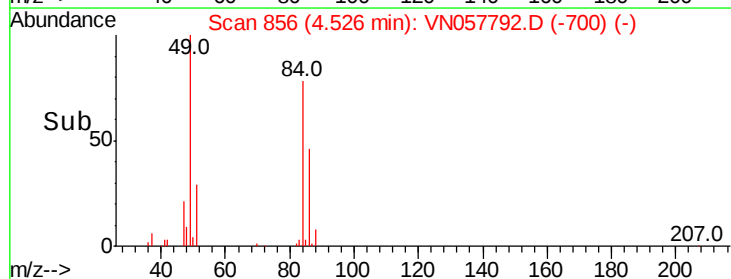
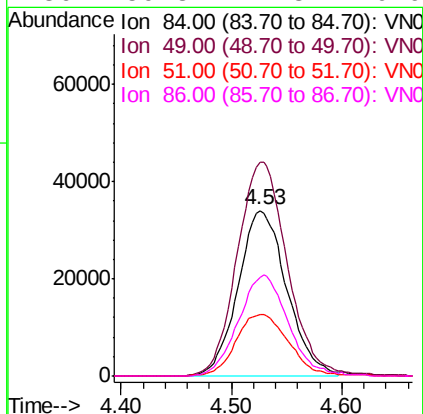
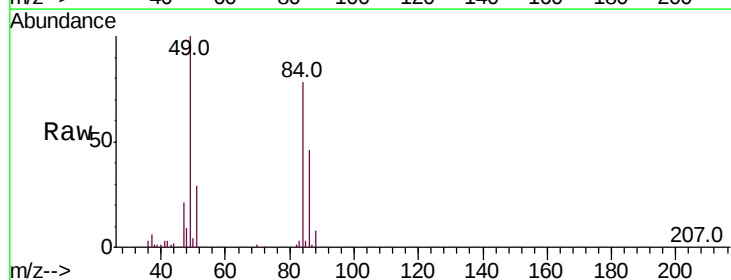
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

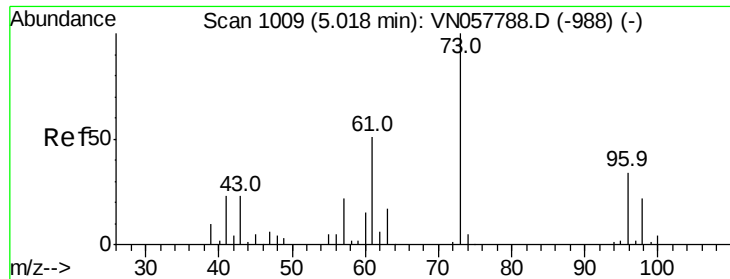
Tot Ion: 41 Resp: 152296
Ion Ratio Lower Upper
41 100
39 84.1 38.5 115.3
76 35.7 17.2 51.6



#18
Methylene Chloride
Concen: 20.230 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 84 Resp: 104151
Ion Ratio Lower Upper
84 100
49 128.4 105.4 158.2
51 36.8 31.3 46.9
86 59.3 47.3 70.9

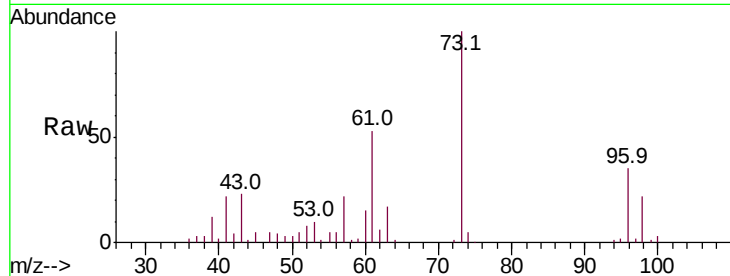




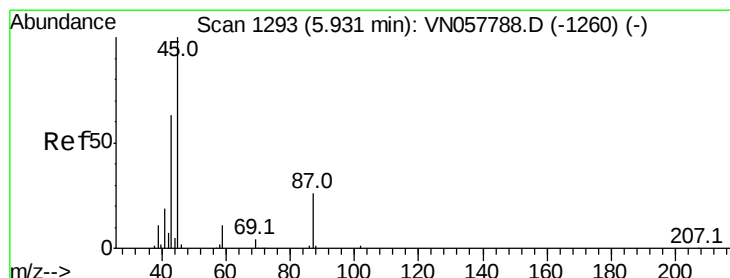
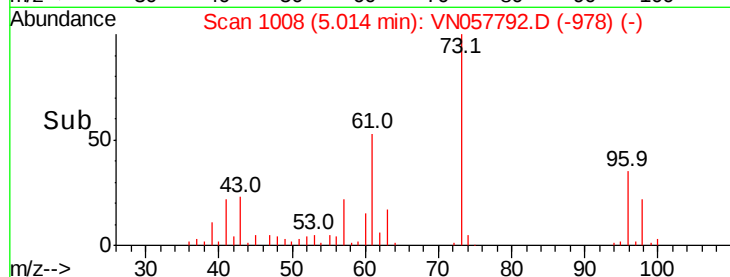
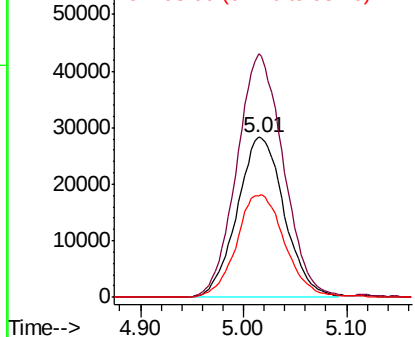
#19
trans-1,2-Dichloroethene
Concen: 19.826 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tot Ion: 96 Resp: 90275
Ion Ratio Lower Upper
96 100
61 152.2 121.0 181.6
98 63.4 52.7 79.1

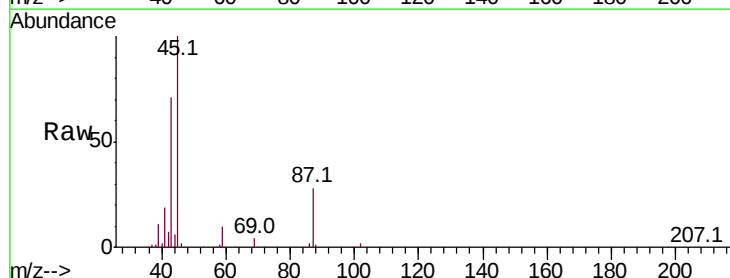


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

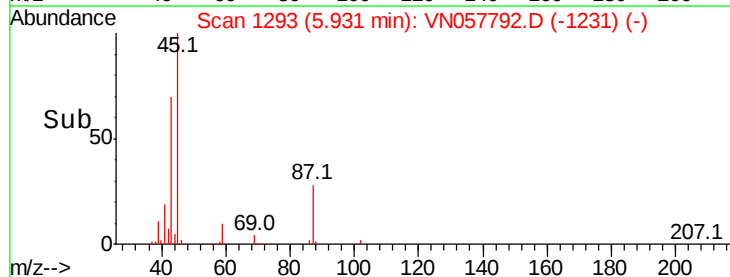
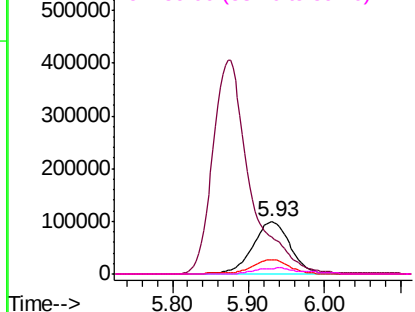


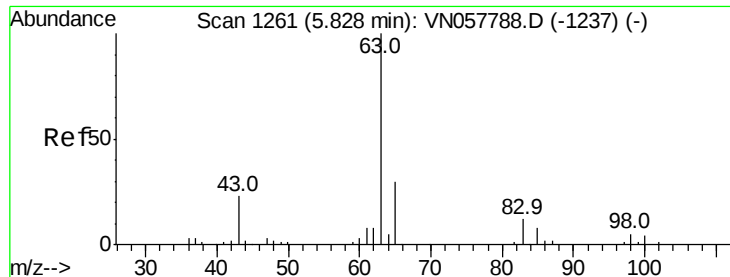
#20
Diisopropyl ether
Concen: 19.528 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 45 Resp: 341780
Ion Ratio Lower Upper
45 100
43 67.6 55.2 82.8
87 27.8 21.3 31.9
59 10.0 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

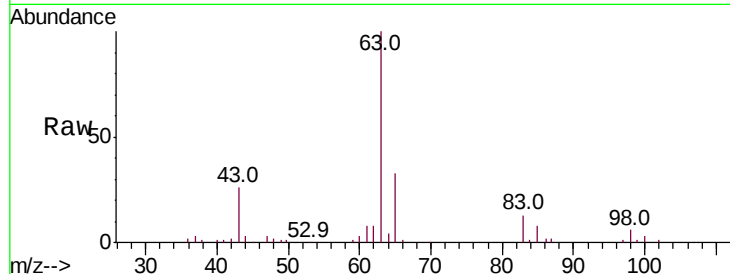




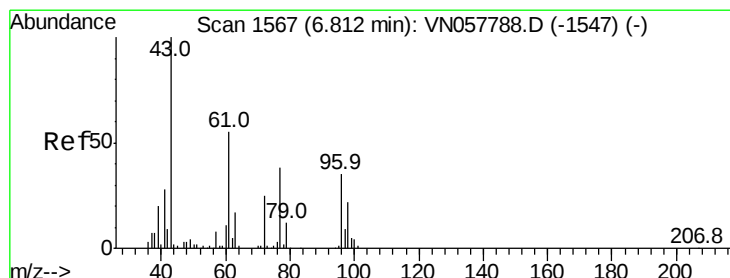
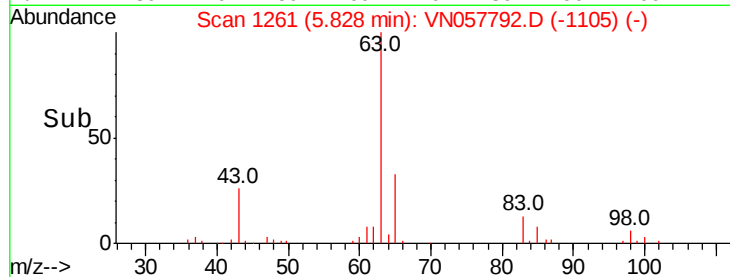
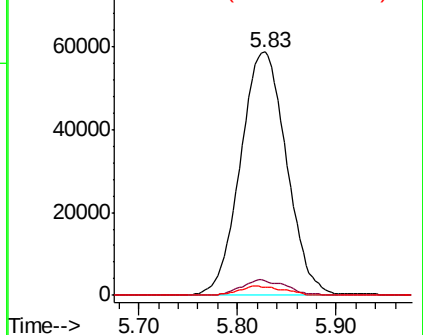
#21
 1,1-Dichloroethane
 Concen: 19.677 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tot Ion:	63	Resp:	189892
Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.8	8.3
100	3.3	1.8	5.5

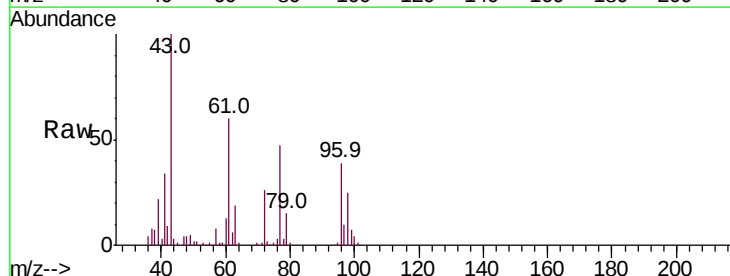


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN

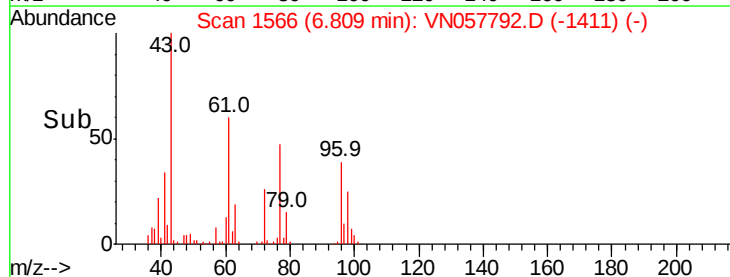
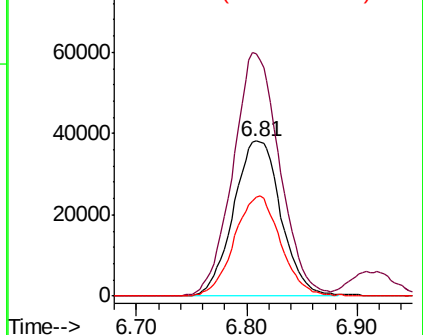


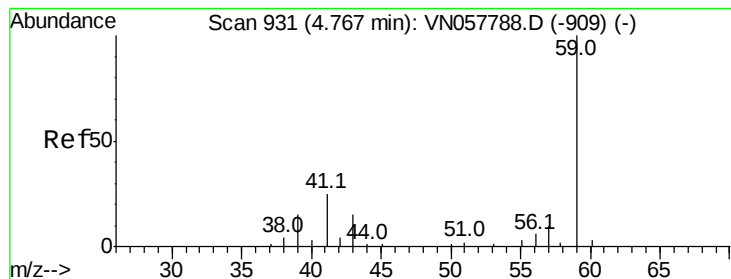
#22
 cis-1,2-Dichloroethene
 Concen: 20.399 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion:	96	Resp:	113808
Ion	Ratio	Lower	Upper
96	100		
61	151.7	127.4	191.0
98	62.7	51.5	77.3



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





#23

tert-Butyl Alcohol

Concen: 101.092 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

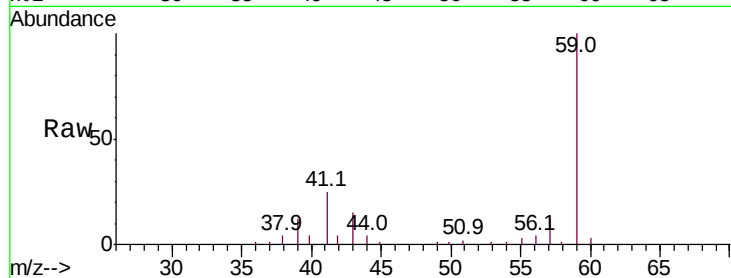
ICVVN090919

Tot Ion: 59 Resp: 75431

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.77

25000

20000

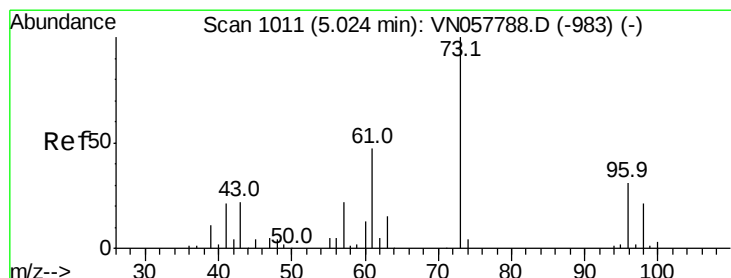
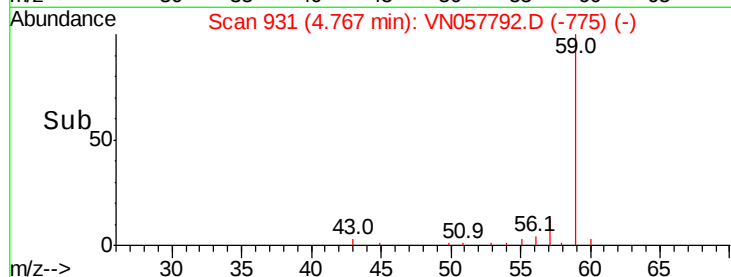
15000

10000

5000

0

Time-->



#24

Methyl tert-Butyl Ether

Concen: 19.740 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN057792.D

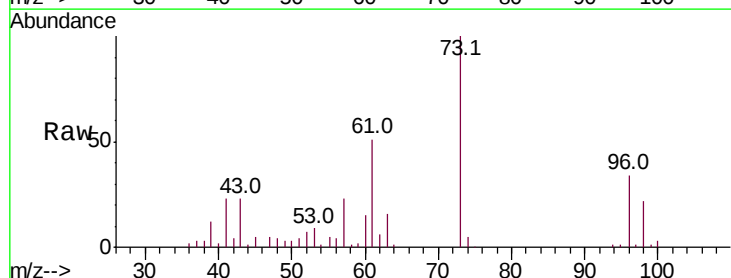
Acq: 9 Sep 2019 11:02

Tgt Ion: 73 Resp: 309115

Ion Ratio Lower Upper

73 100

43 23.0 0.0 0.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

5.02

80000

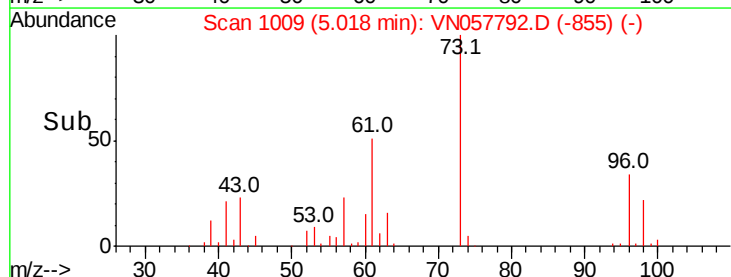
60000

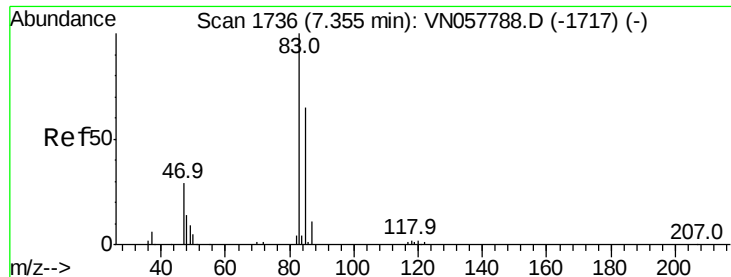
40000

20000

0

Time-->





#25

Chloroform

Concen: 19.697 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

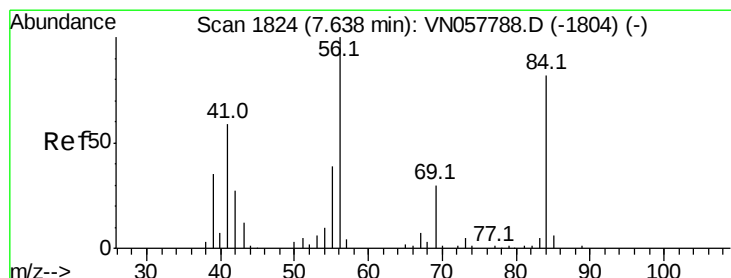
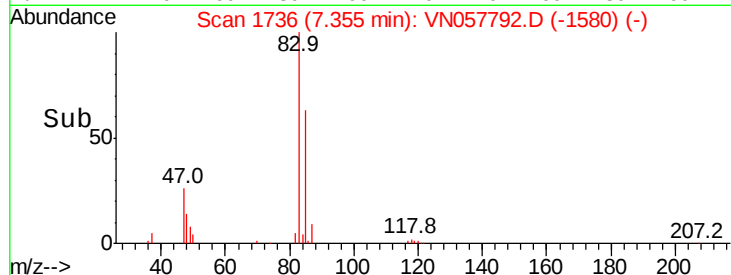
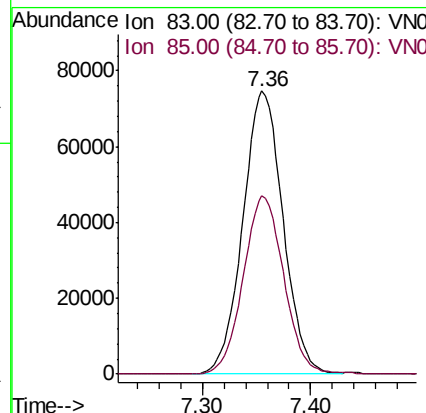
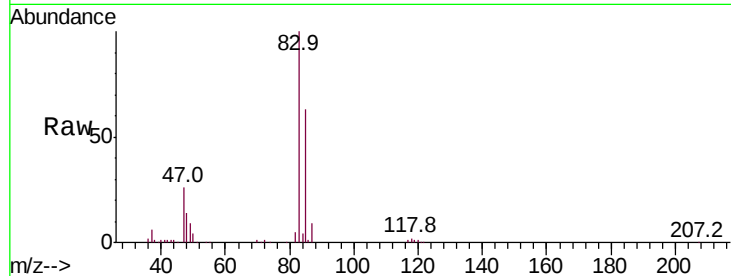
ICVVN090919

Tot Ion: 83 Resp: 193521

Ion Ratio Lower Upper

83 100

85 63.1 51.8 77.6



#26

Cyclohexane

Concen: 19.031 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

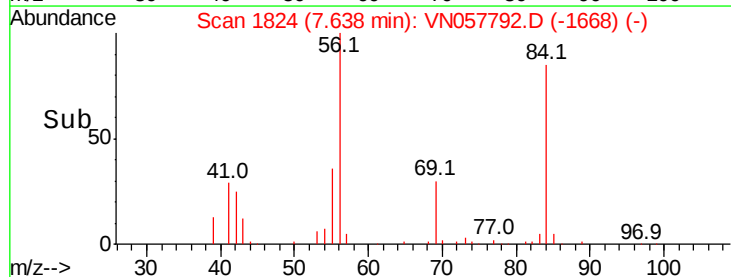
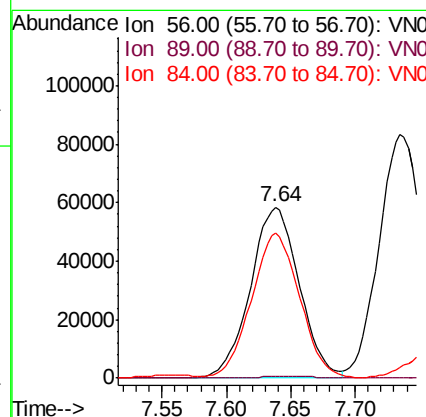
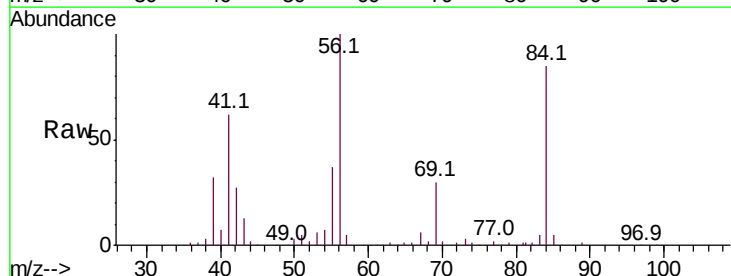
Tgt Ion: 56 Resp: 154312

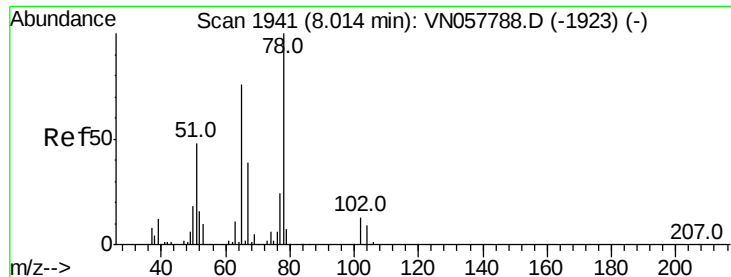
Ion Ratio Lower Upper

56 100

89 0.2 0.3 0.5#

84 83.8 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 29.344 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

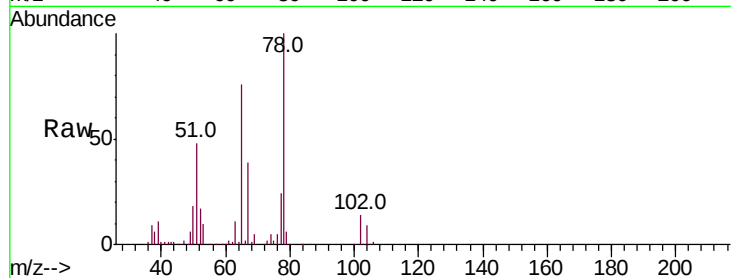
ICVVN090919

Tot Ion: 65 Resp: 200549

Ion Ratio Lower Upper

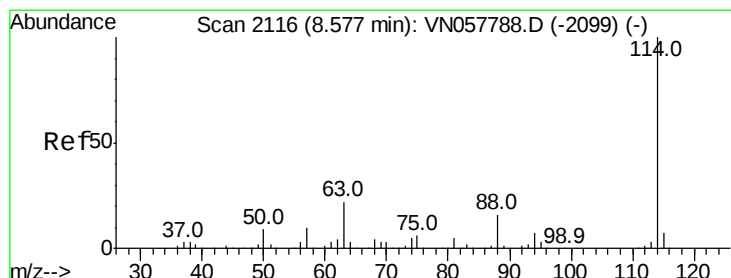
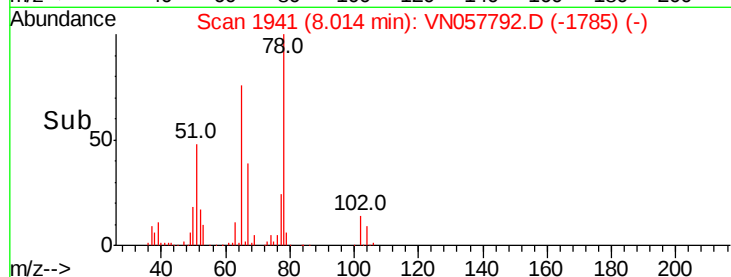
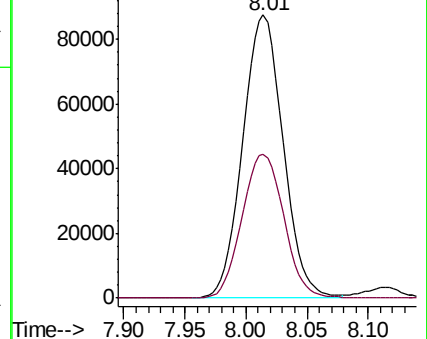
65 100

67 52.6 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

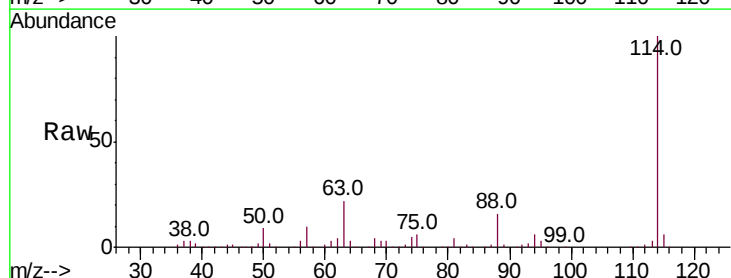
Tgt Ion: 114 Resp: 454990

Ion Ratio Lower Upper

114 100

63 22.2 18.0 27.0

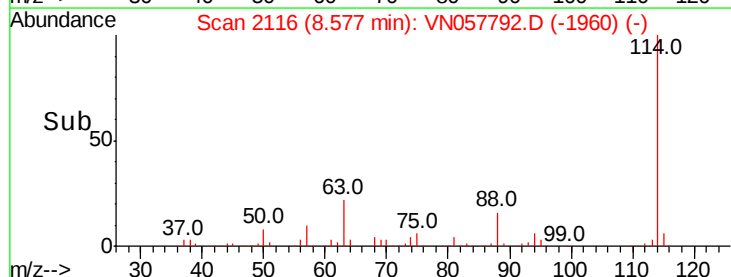
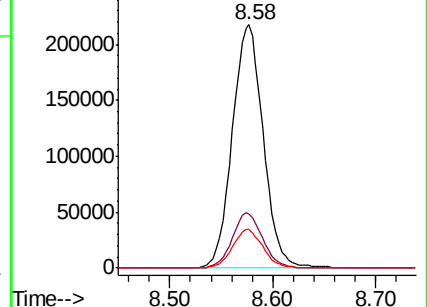
88 15.7 12.6 19.0

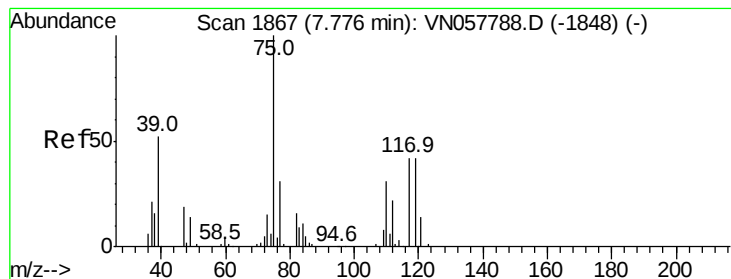


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#29

1,1-Dichloropropene

Concen: 19.540 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

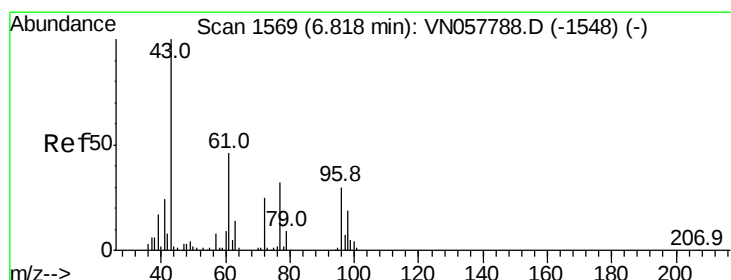
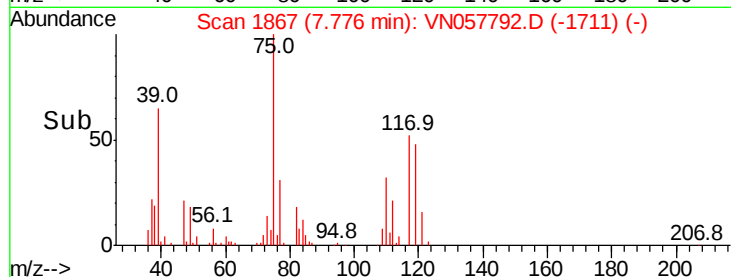
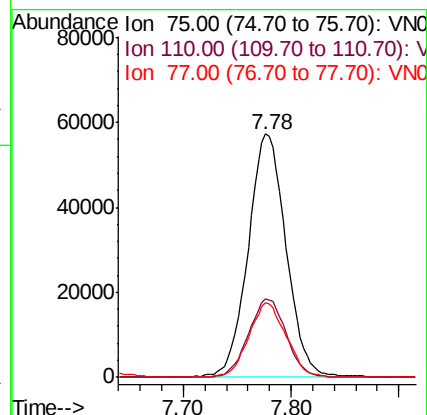
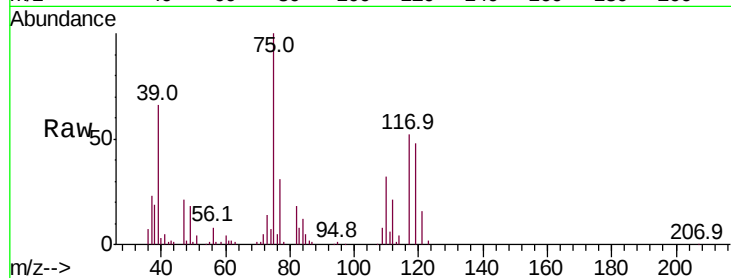
Tot Ion: 75 Resp: 139859

Ion Ratio Lower Upper

75 100

110 32.2 0.0 63.8

77 30.1 0.0 60.0



#30

2-Butanone

Concen: 99.446 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

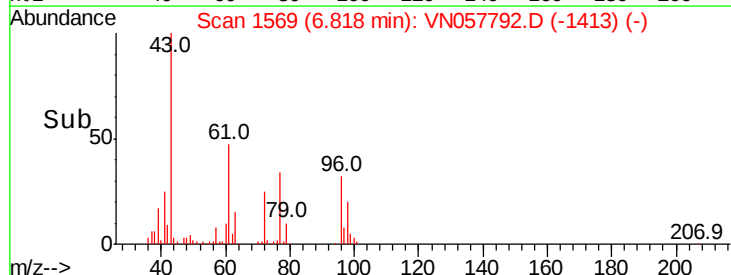
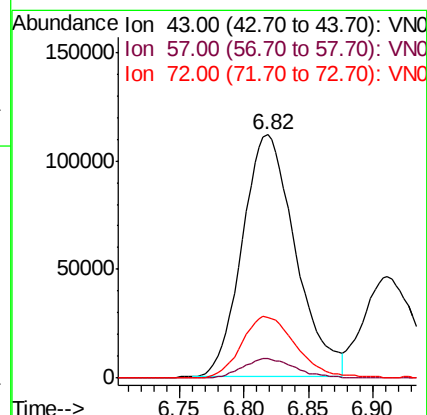
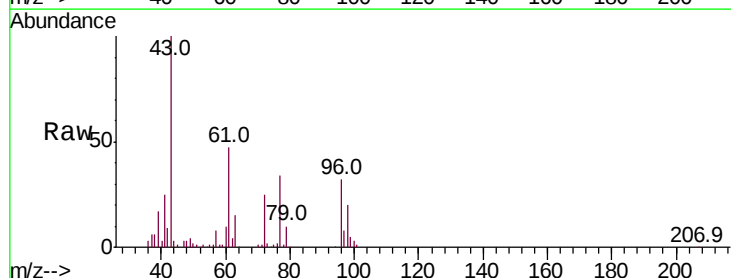
Tgt Ion: 43 Resp: 320945

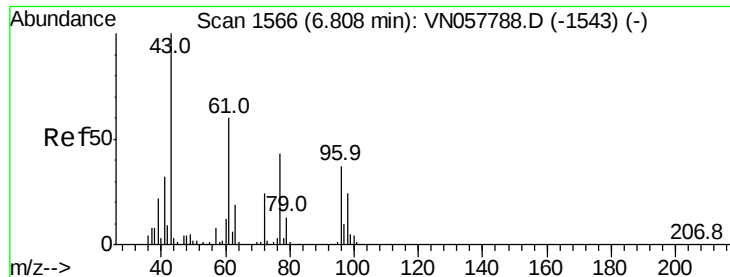
Ion Ratio Lower Upper

43 100

57 8.0 6.4 9.6

72 26.0 20.3 30.5

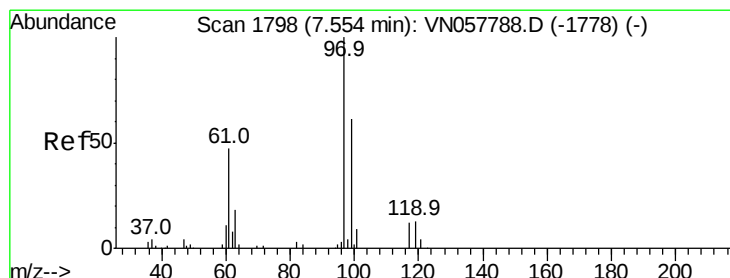
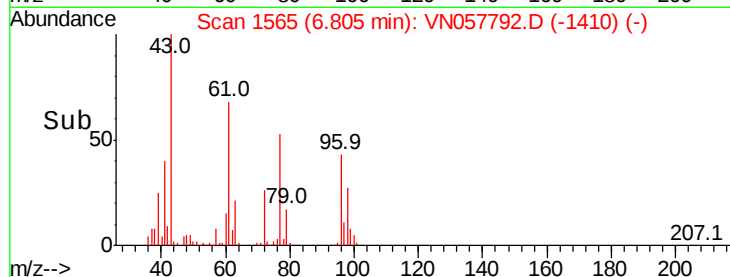
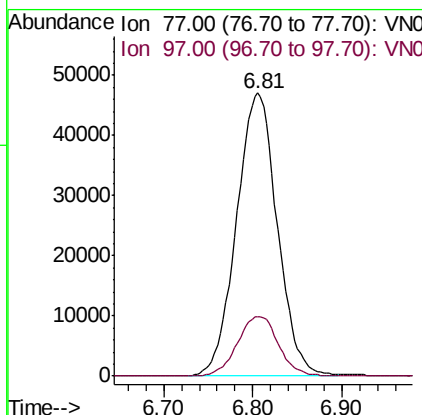
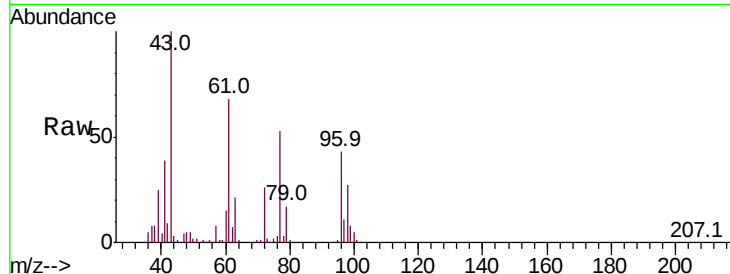




#31
 2,2-Dichloropropane
 Concen: 19.802 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

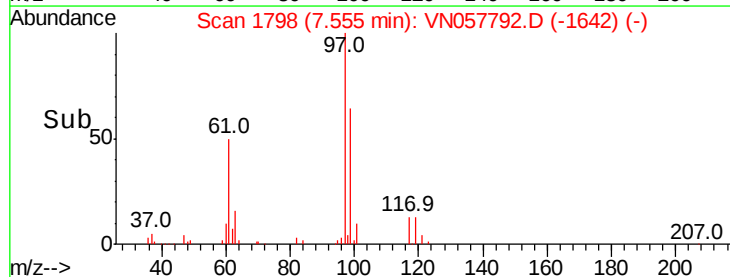
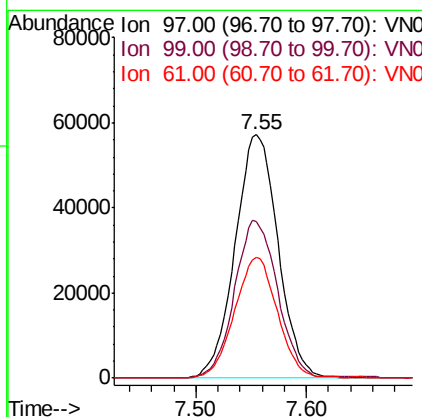
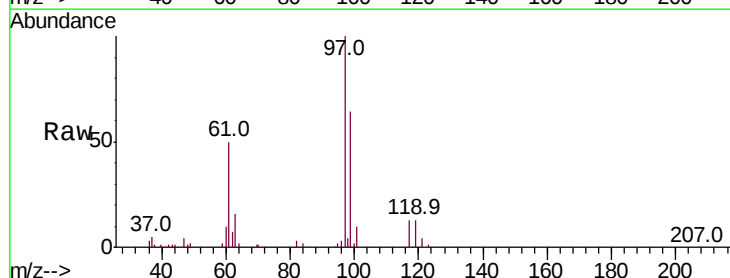
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

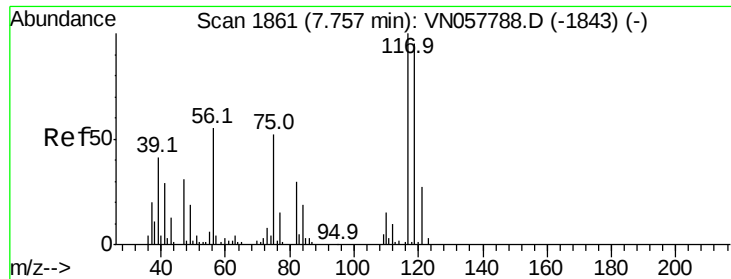
Tot Ion: 77 Resp: 149638
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.7 26.5



#32
 1,1,1-Trichloroethane
 Concen: 19.200 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 97 Resp: 154514
 Ion Ratio Lower Upper
 97 100
 99 64.8 49.8 74.8
 61 49.5 38.7 58.1

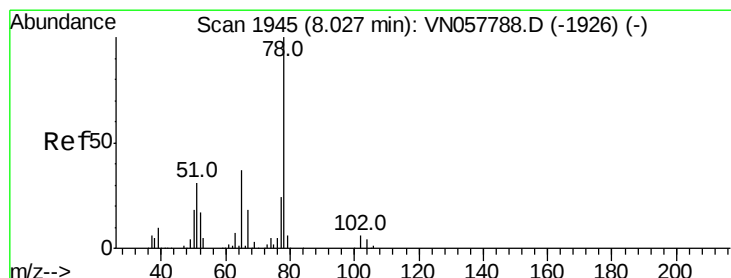
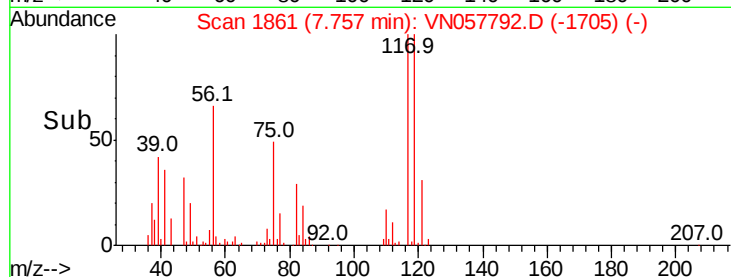
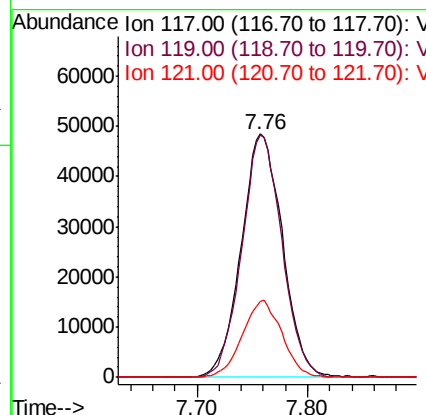
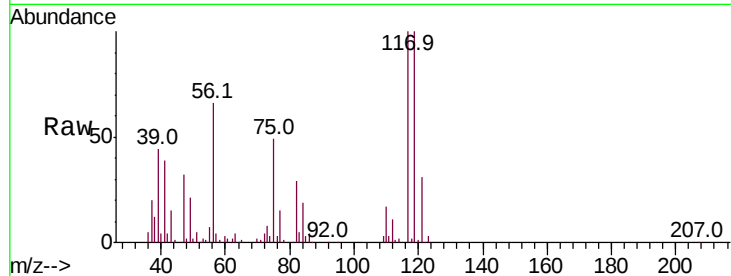




#33
Carbon Tetrachloride
Concen: 19.167 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

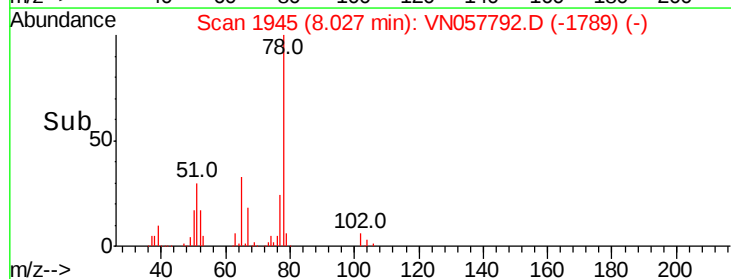
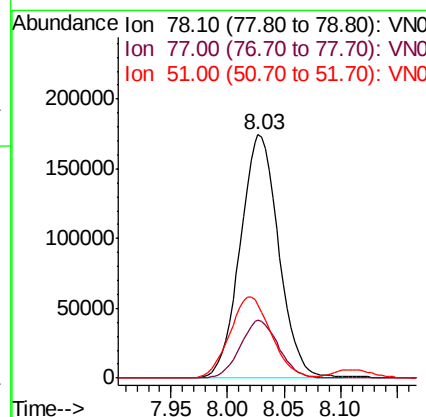
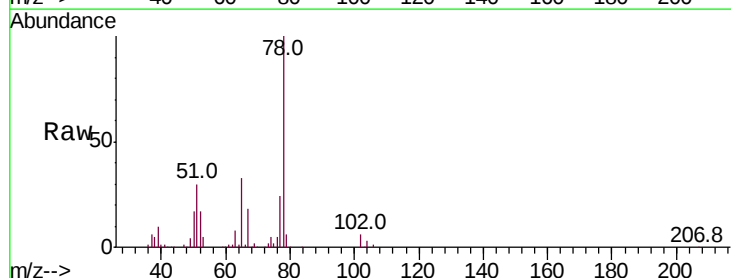
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

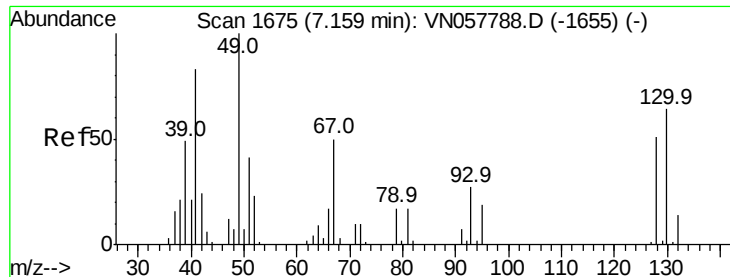
Tot Ion:117 Resp: 125829
Ion Ratio Lower Upper
117 100
119 99.7 75.7 113.5
121 31.3 21.7 32.5



#34
Benzene
Concen: 19.476 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 78 Resp: 413053
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8
51 29.8 24.9 37.3

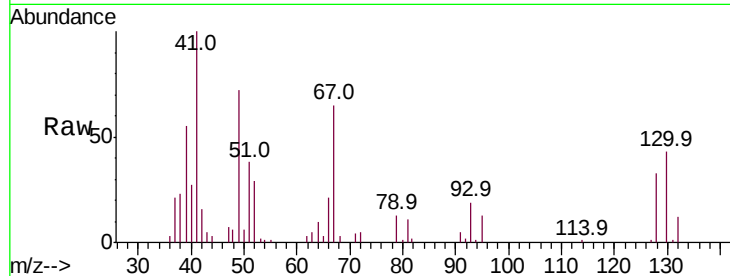




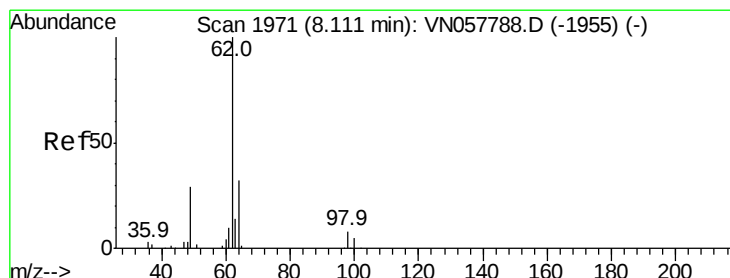
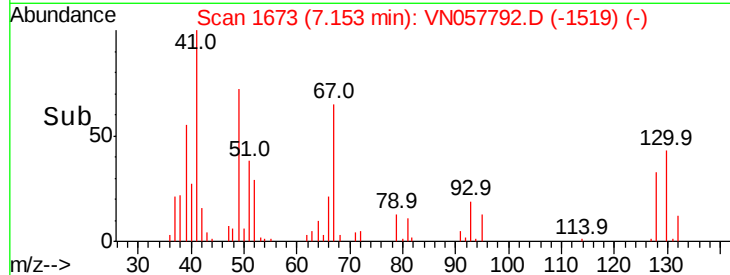
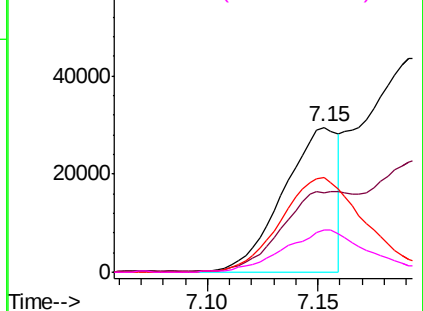
#35
Methacrylonitrile
Concen: 17.099 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampled :
ICVFN090919

Tot Ion:	41	Resp:	51183
Ion	Ratio	Lower	Upper
41	100		
39	54.3	29.8	89.5
67	65.2	30.0	90.1
52	29.3	13.9	41.6

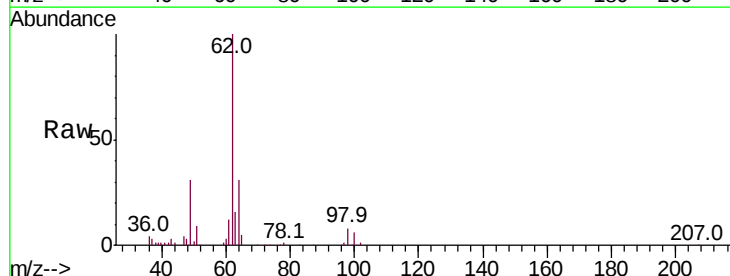


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

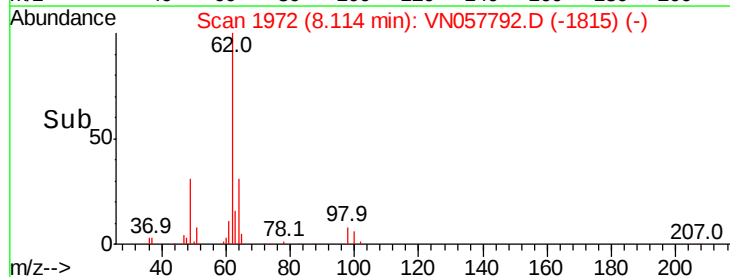
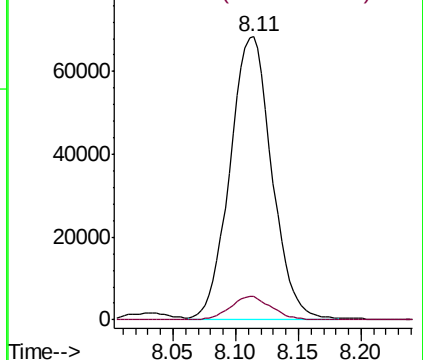


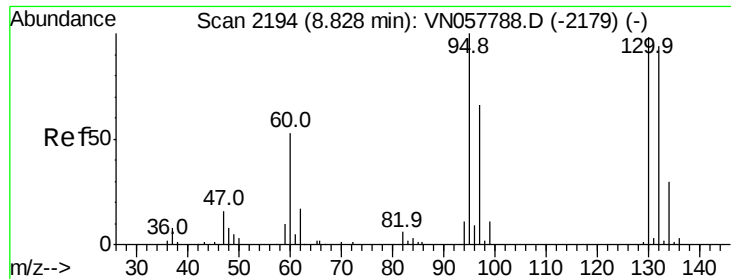
#36
1,2-Dichloroethane
Concen: 19.343 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion:	62	Resp:	159191
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.6	9.8



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

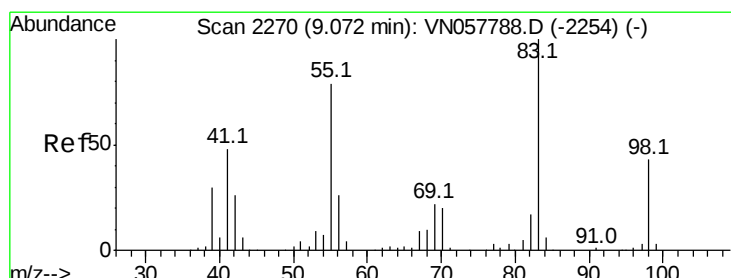
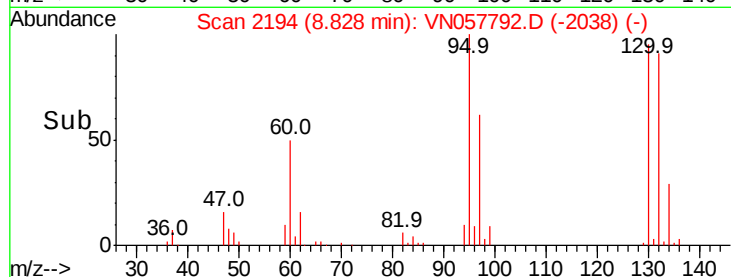
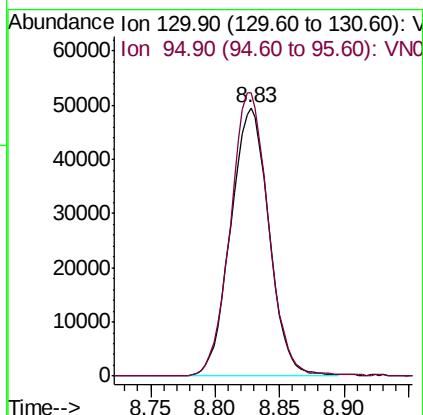
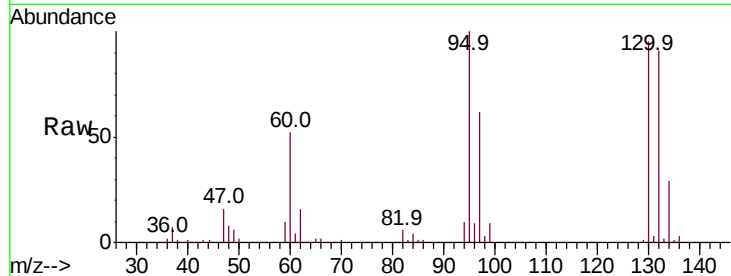




#37
 Trichloroethene
 Concen: 19.871 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

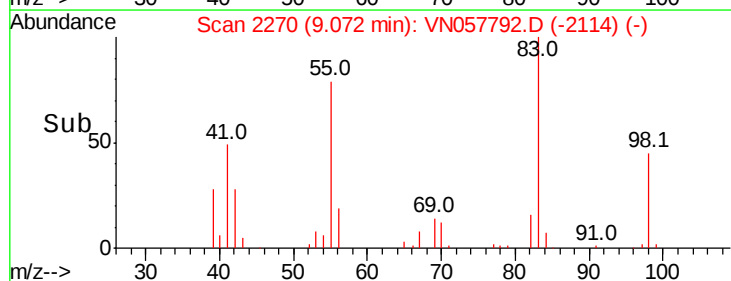
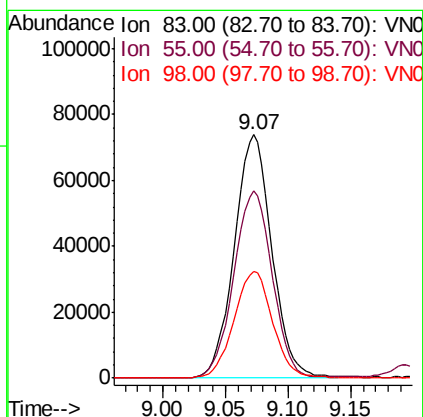
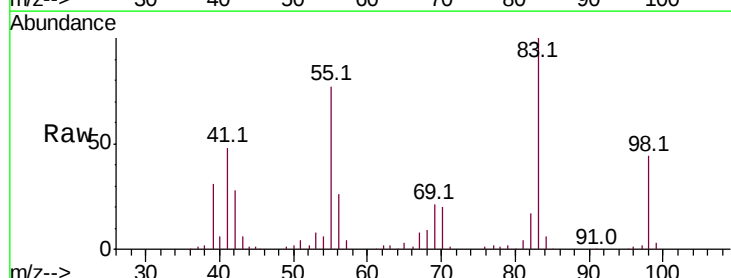
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090919

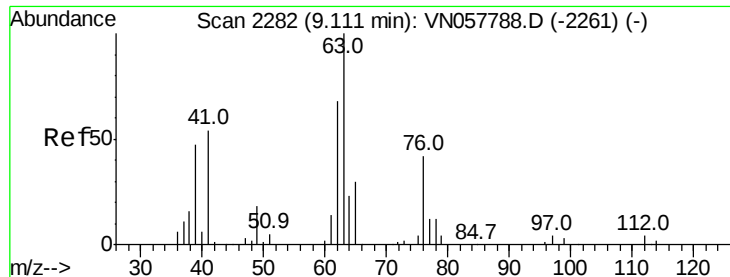
Tot Ion:130 Resp: 102359
 Ion Ratio Lower Upper
 130 100
 95 105.5 81.9 122.9



#38
 Methylcyclohexane
 Concen: 18.909 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 83 Resp: 154117
 Ion Ratio Lower Upper
 83 100
 55 78.6 39.6 118.7
 98 45.1 21.8 65.4





#39

1,2-Dichloropropane

Concen: 19.063 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

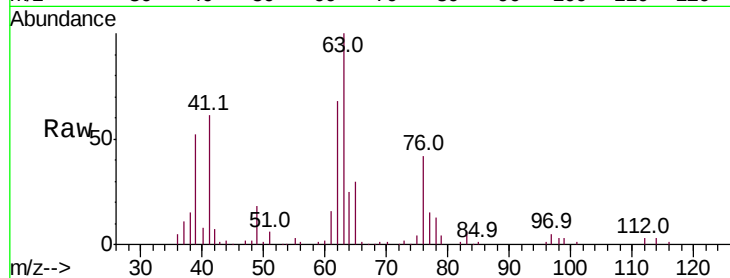
ICVVN090919

Tot Ion: 63 Resp: 113543

Ion Ratio Lower Upper

63 100

65 30.3 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.11

60000

50000

40000

30000

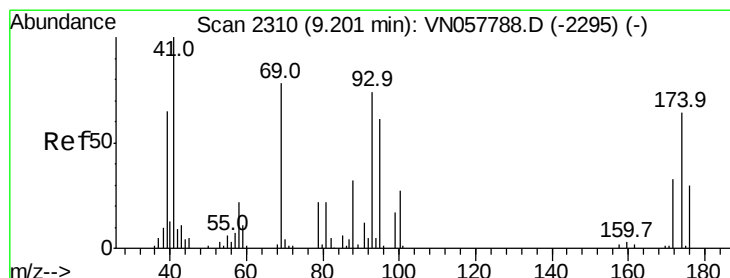
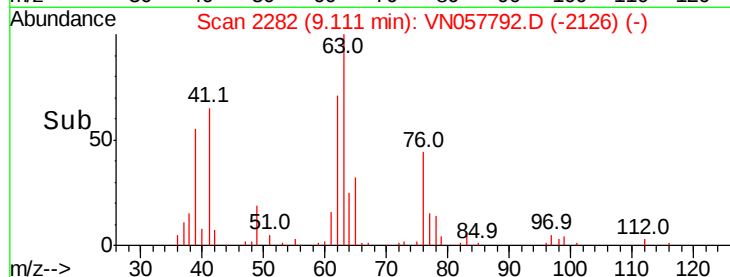
20000

10000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 19.749 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

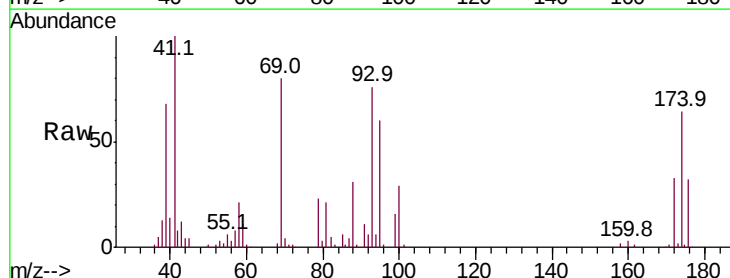
Tgt Ion: 93 Resp: 71541

Ion Ratio Lower Upper

93 100

95 82.5 0.0 163.0

174 86.9 0.0 171.4



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

50000

40000

30000

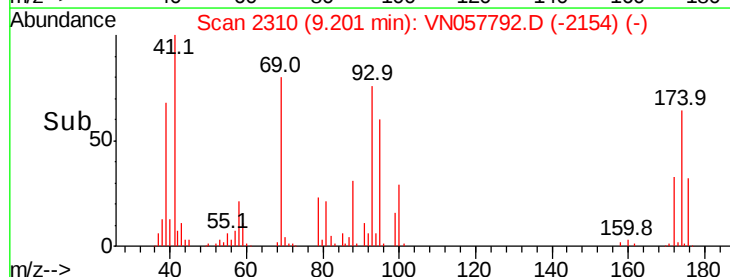
20000

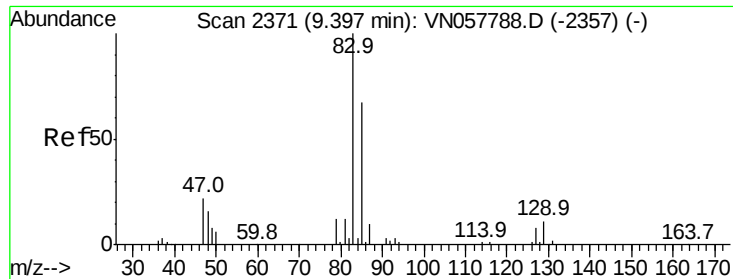
10000

0

Time-->

9.15 9.20 9.25





#41

Bromodichloromethane

Concen: 18.877 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

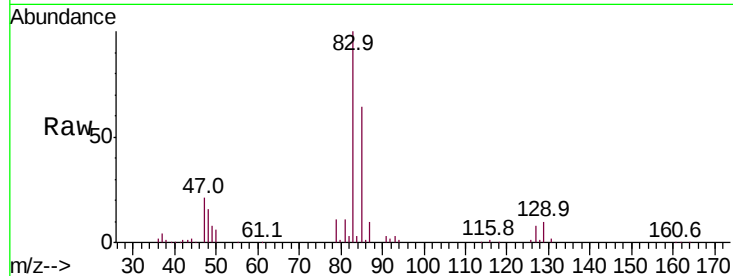
Tot Ion: 83 Resp: 137867

Ion Ratio Lower Upper

83 100

85 64.1 53.4 80.0

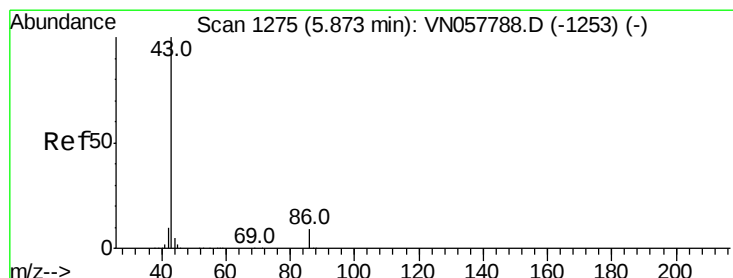
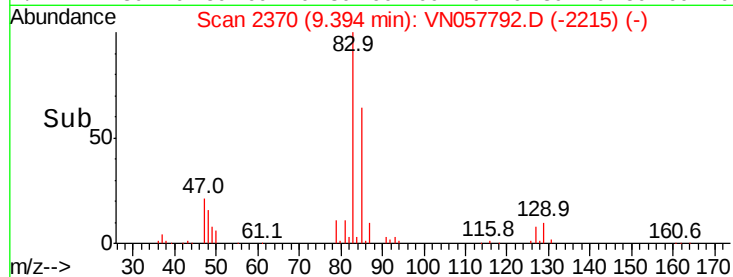
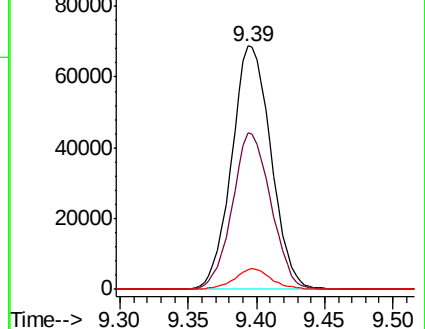
127 7.9 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN057788.D (-2357) (-)

Ion 85.00 (84.70 to 85.70): VN057788.D (-2357) (-)

Ion 127.00 (126.70 to 127.70): VN057788.D (-2357) (-)



#42

Vinyl Acetate

Concen: 106.364 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057792.D

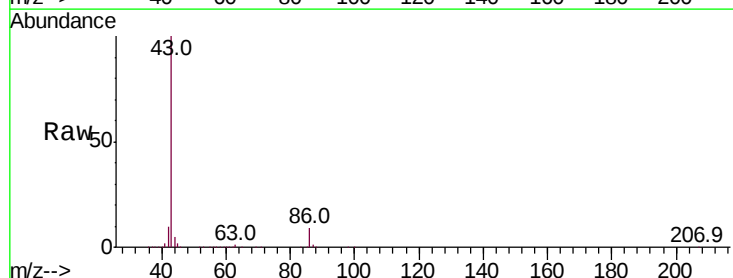
Acq: 9 Sep 2019 11:02

Tgt Ion: 43 Resp: 1379653

Ion Ratio Lower Upper

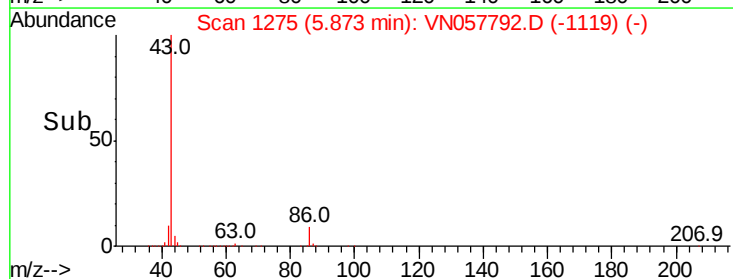
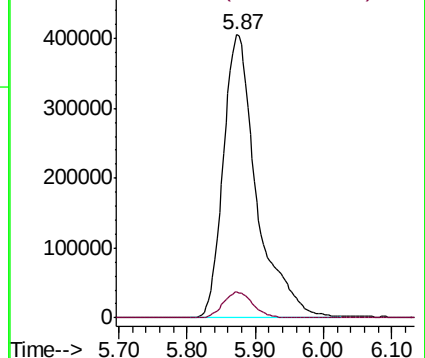
43 100

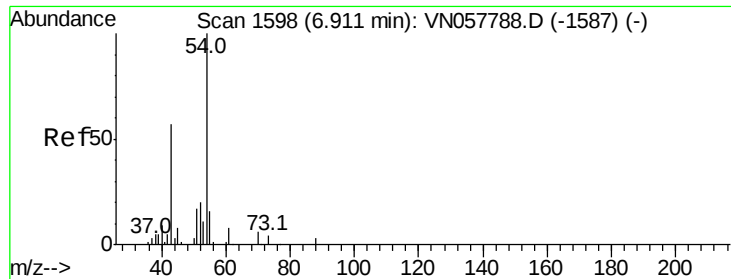
86 8.2 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN057788.D (-1253) (-)

Ion 86.00 (85.70 to 86.70): VN057788.D (-1253) (-)





#43

Ethyl Acetate

Concen: 19.562 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

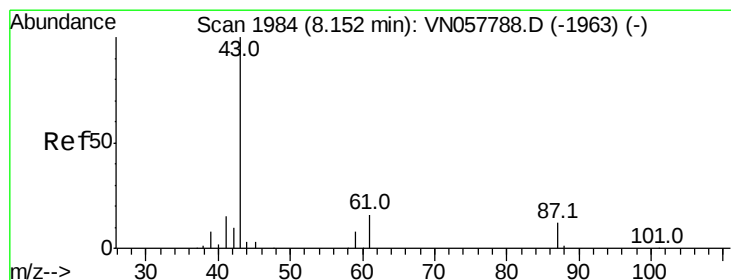
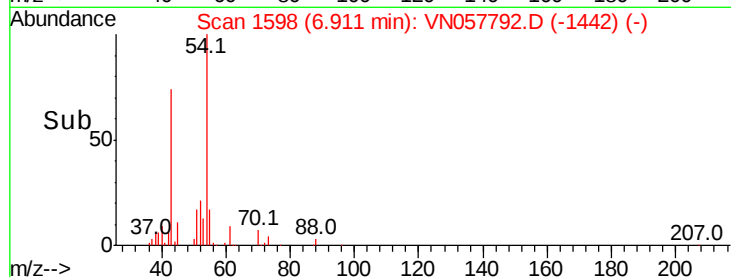
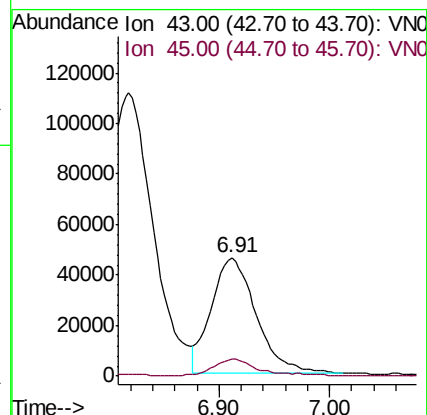
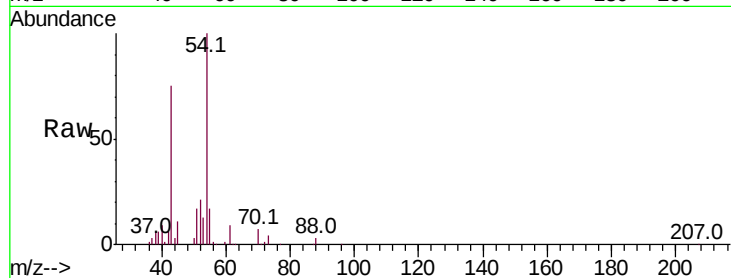
ICVVN090919

Tot Ion: 43 Resp: 128805

Ion Ratio Lower Upper

43 100

45 12.3 5.4 8.0#



#44

Isopropyl Acetate

Concen: 19.187 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057792.D

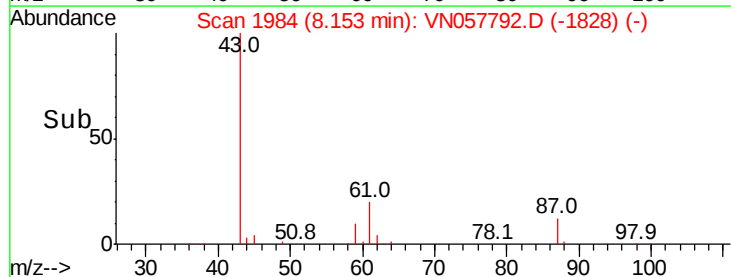
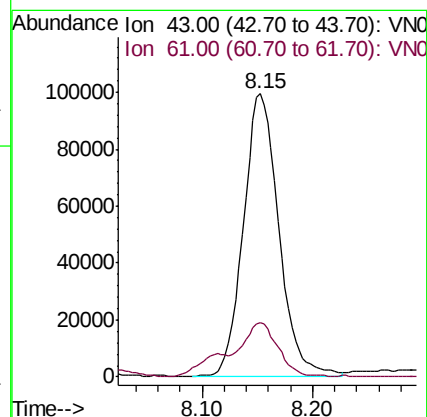
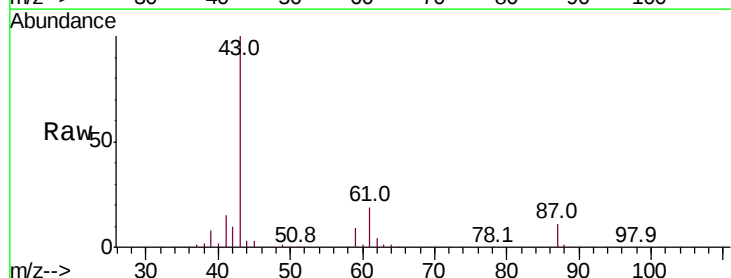
Acq: 9 Sep 2019 11:02

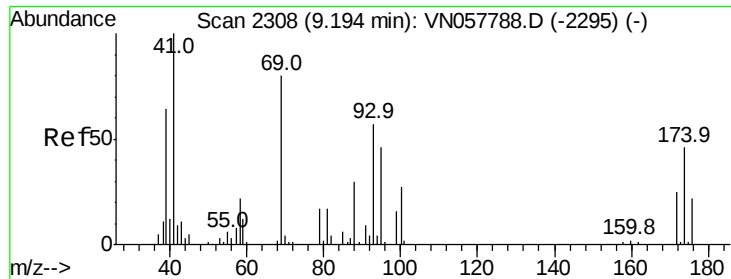
Tgt Ion: 43 Resp: 220280

Ion Ratio Lower Upper

43 100

61 18.0 0.1 0.1#



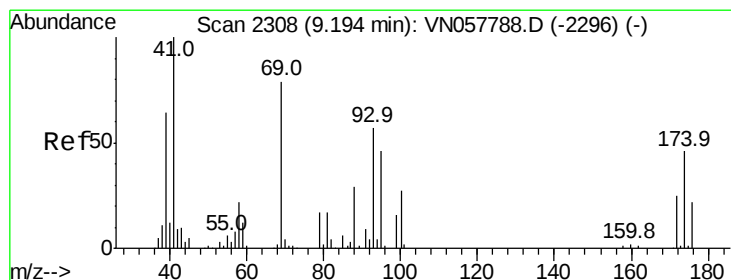
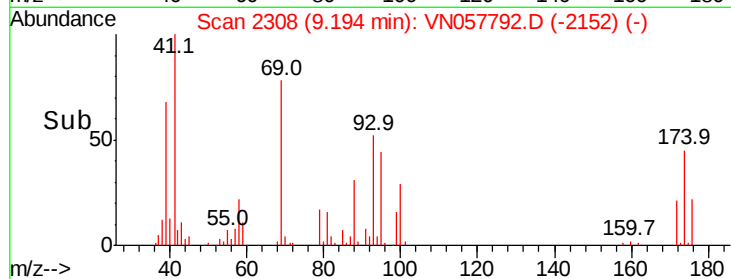
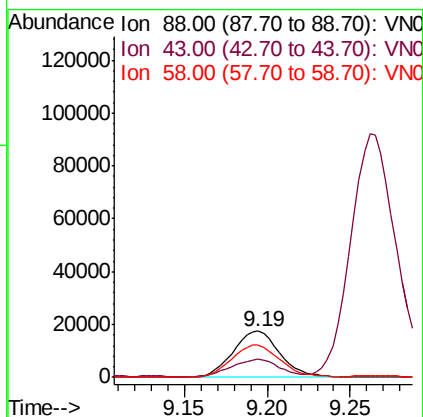
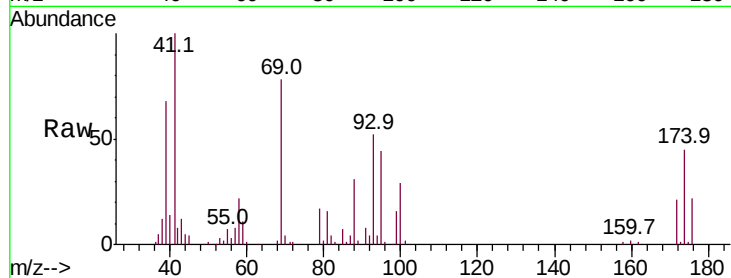


#45
 1,4-Dioxane
 Concen: 384.446 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

Tot Ion: 88 Resp: 34682

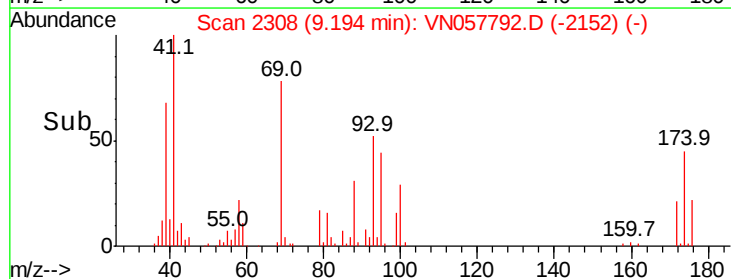
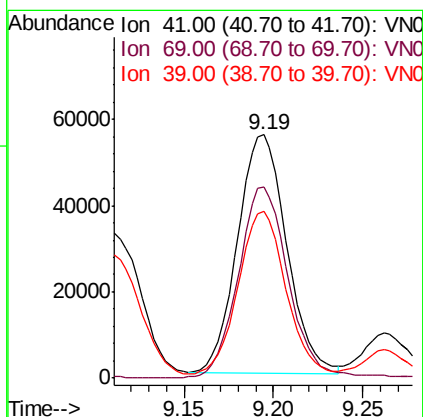
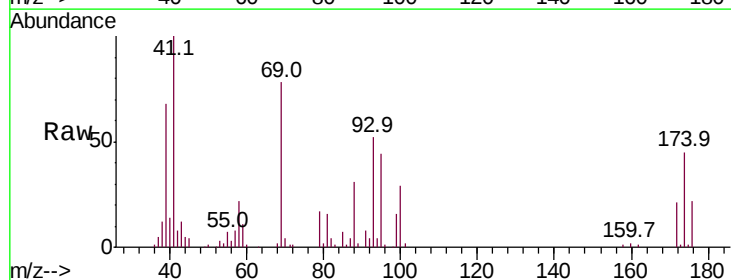
Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.2	42.4
58	71.9	58.5	87.7

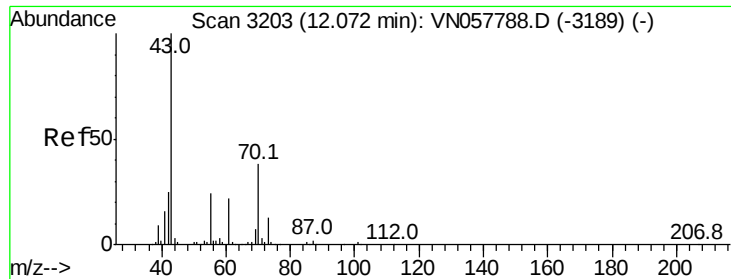


#46
 Methyl methacrylate
 Concen: 18.968 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 41 Resp: 106372

Ion	Ratio	Lower	Upper
41	100		
69	79.7	39.6	119.0
39	68.3	31.9	95.7





#47

n-amvl Acetate

Concen: 18.333 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

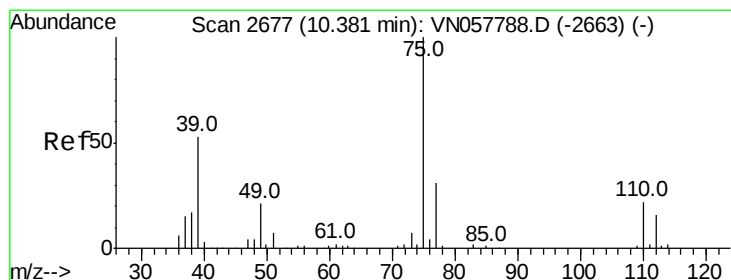
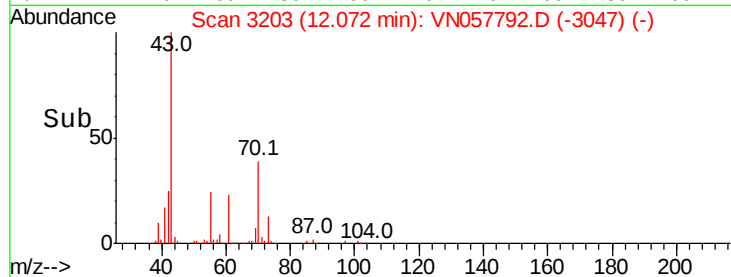
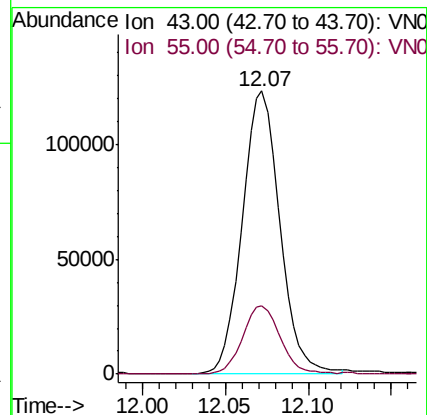
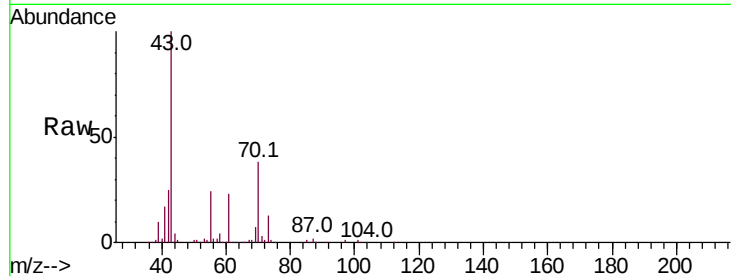
ICV090919

Tot Ion: 43 Resp: 193339

Ion Ratio Lower Upper

43 100

55 24.5 18.3 27.5



#48

t-1,3-Dichloropropene

Concen: 18.566 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057792.D

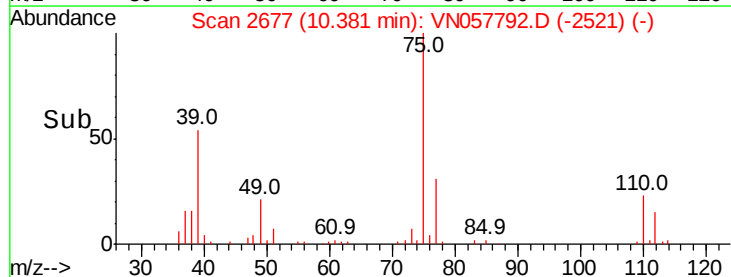
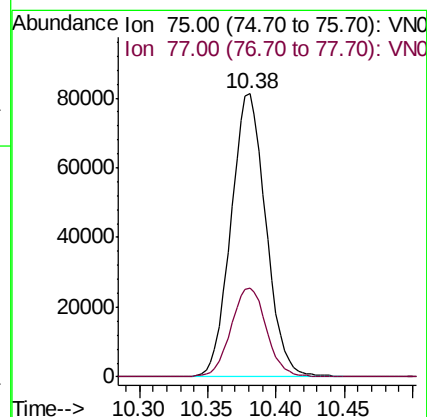
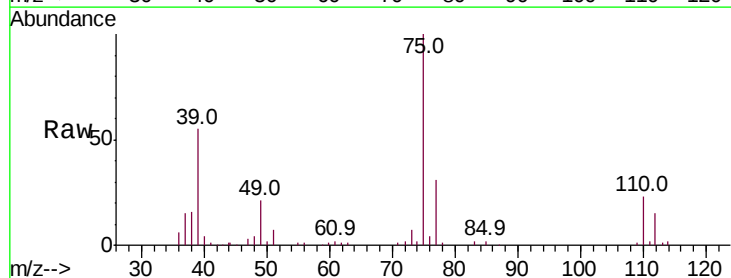
Acq: 9 Sep 2019 11:02

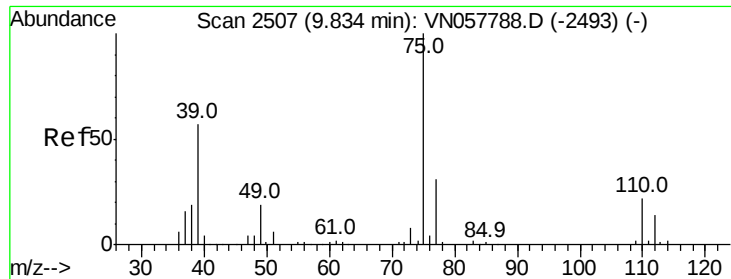
Tgt Ion: 75 Resp: 144351

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



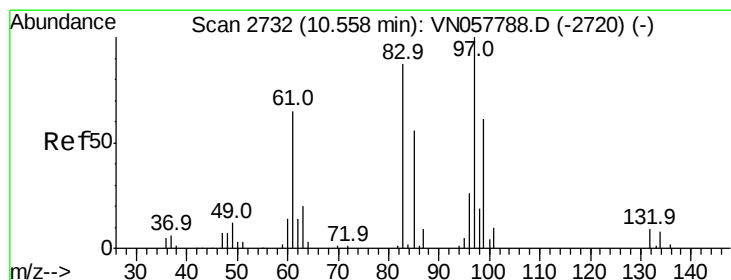
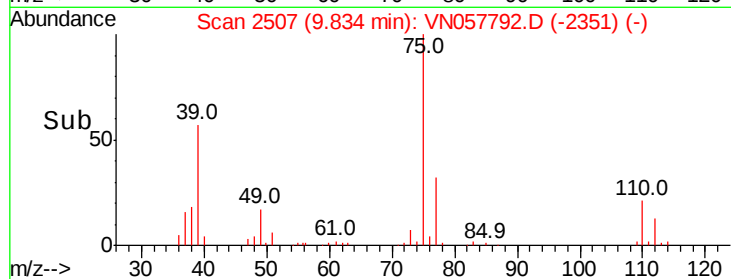
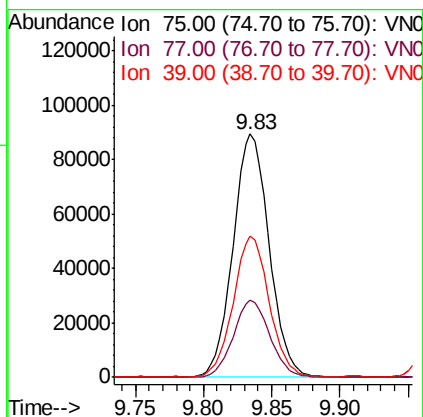
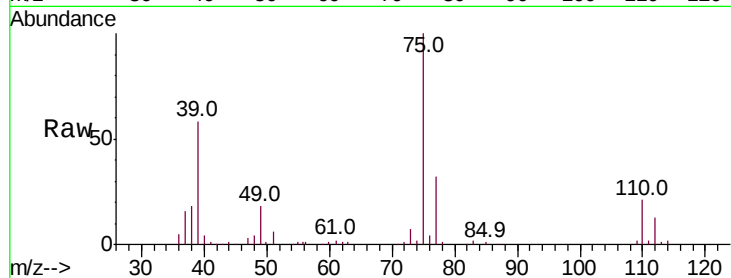


#49

cis-1,3-Dichloropropene
 Concen: 18.839 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

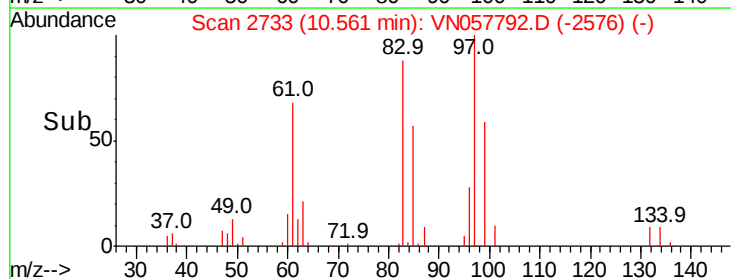
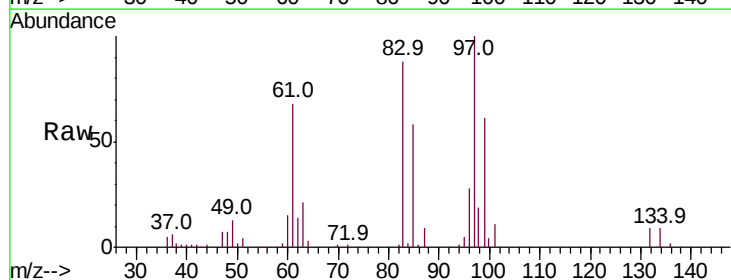
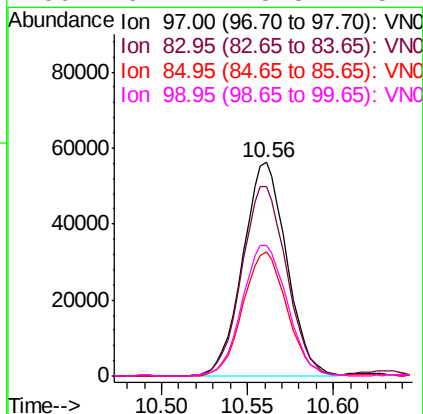
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	57.6	45.8	68.8

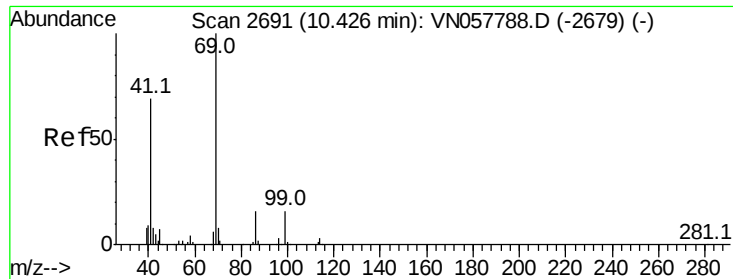


#50

1,1,2-Trichloroethane
 Concen: 18.973 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.4	104.2
85	58.3	45.0	67.6
99	61.2	48.8	73.2





#51

Ethyl methacrylate

Concen: 18.988 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

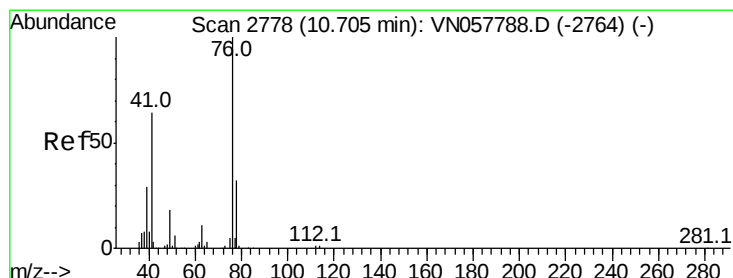
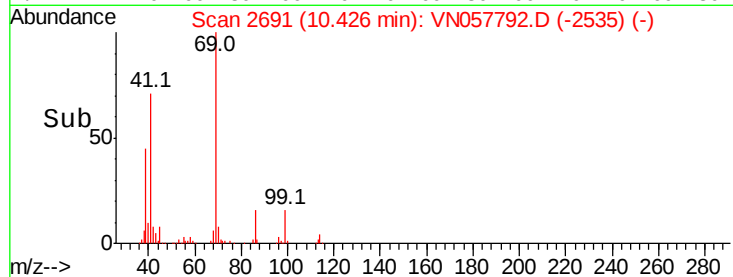
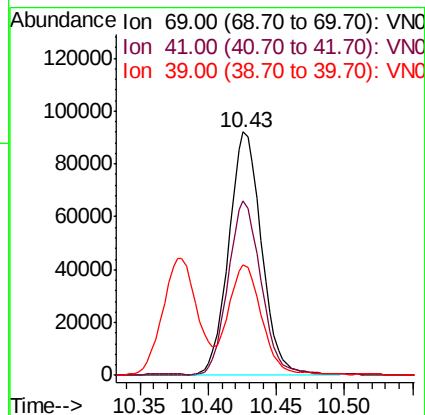
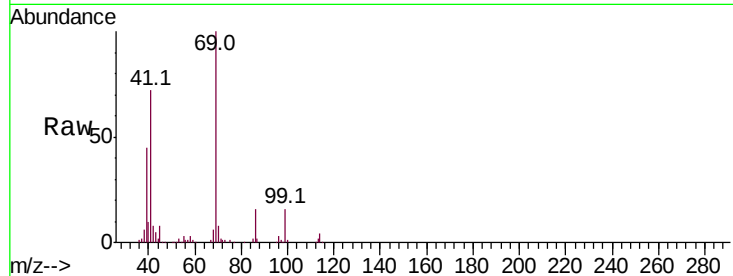
Tot Ion: 69 Resp: 154706

Ion Ratio Lower Upper

69 100

41 71.5 34.5 103.5

39 45.0 22.4 67.3



#52

1,3-Dichloropropane

Concen: 19.350 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057792.D

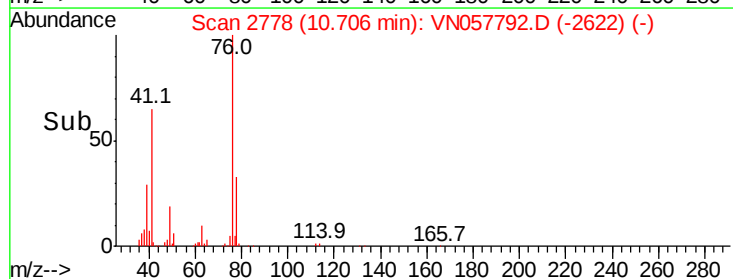
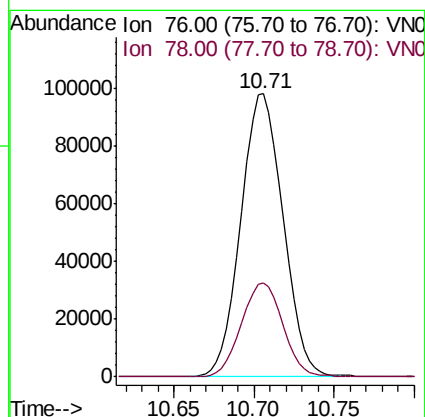
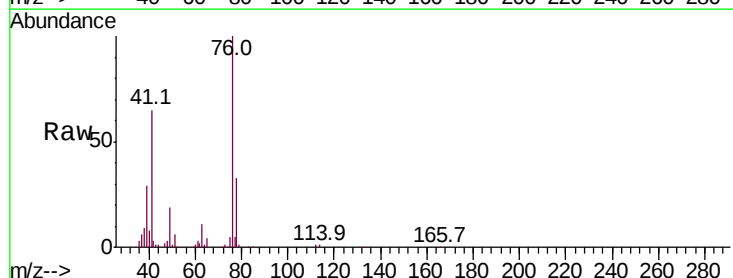
Acq: 9 Sep 2019 11:02

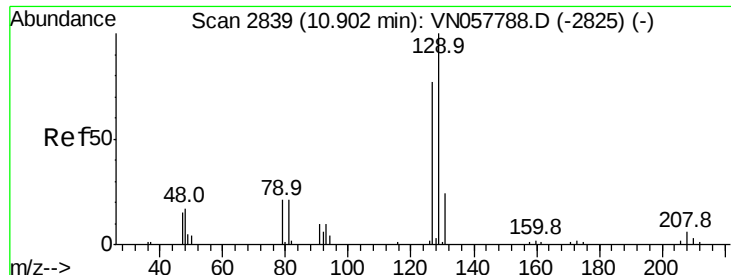
Tgt Ion: 76 Resp: 177812

Ion Ratio Lower Upper

76 100

78 32.7 0.0 63.8





#53

Dibromochloromethane

Concen: 18.522 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

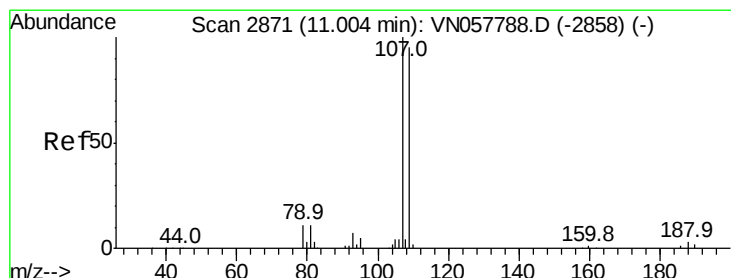
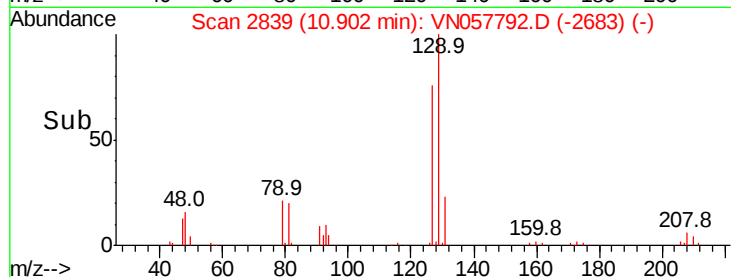
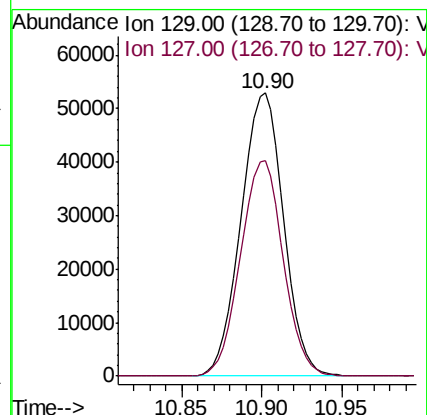
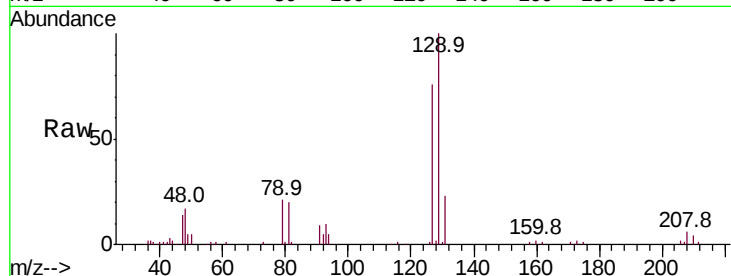
ICVFN090919

Tot Ion:129 Resp: 96119

Ion Ratio Lower Upper

129 100

127 76.3 38.8 116.3



#54

1,2-Dibromoethane

Concen: 18.922 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057792.D

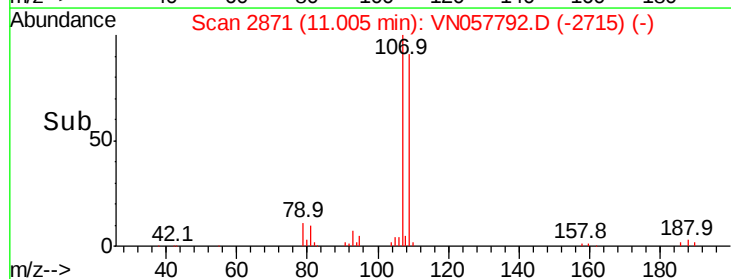
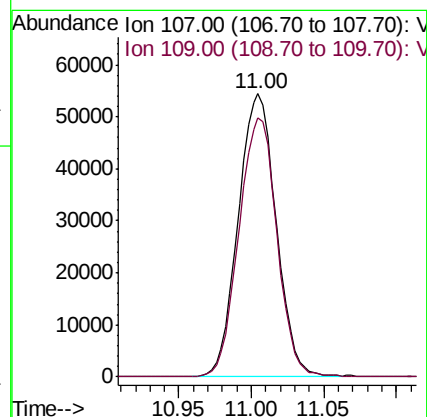
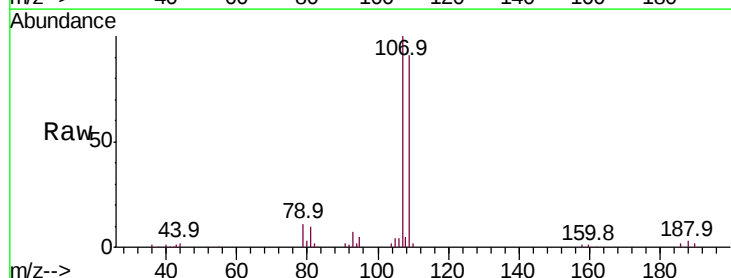
Acq: 9 Sep 2019 11:02

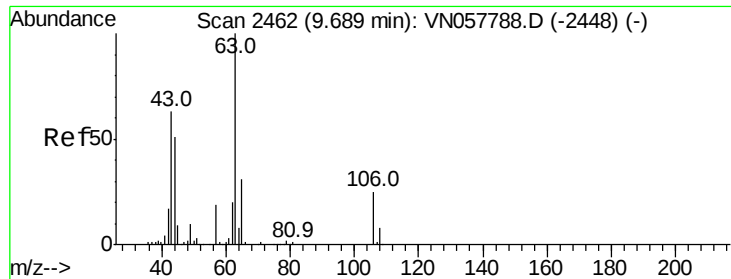
Tgt Ion:107 Resp: 98927

Ion Ratio Lower Upper

107 100

109 91.5 75.4 113.0





#55

2-Chloroethyl vinyl ether

Concen: 97.537 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

ICVVN090919

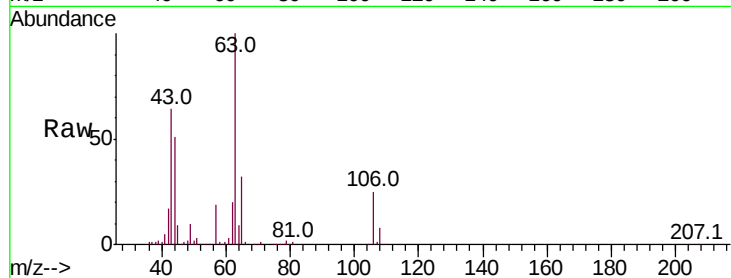
Tot Ion: 63 Resp: 377612

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.6

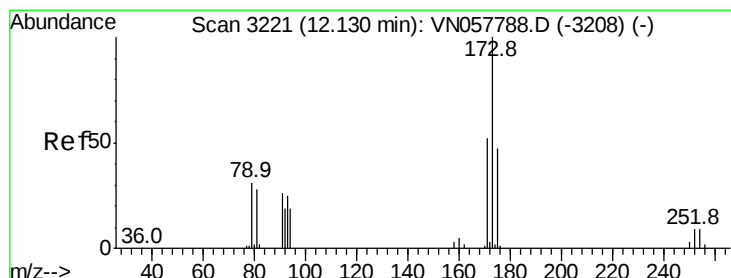
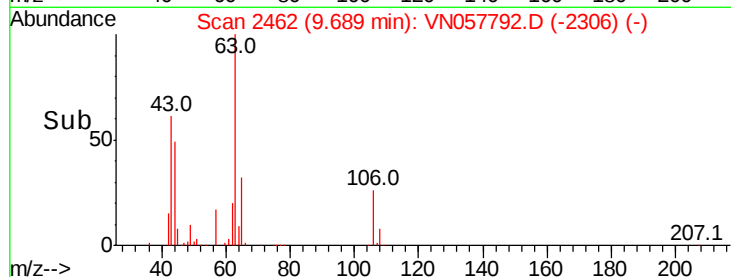
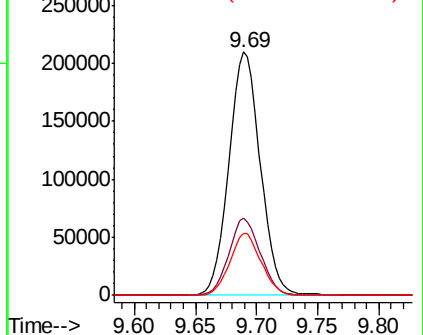
106 25.1 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-2448) (-)

Ion 65.00 (64.70 to 65.70): VN057788.D (-2448) (-)

Ion 106.00 (105.70 to 106.70): VN057788.D (-2448) (-)



#56

Bromoform

Concen: 17.846 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

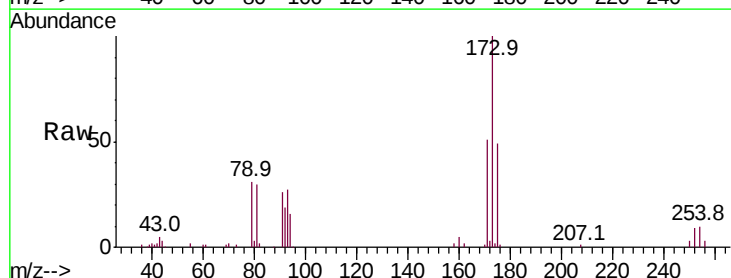
Tgt Ion: 173 Resp: 57372

Ion Ratio Lower Upper

173 100

175 49.8 38.4 57.6

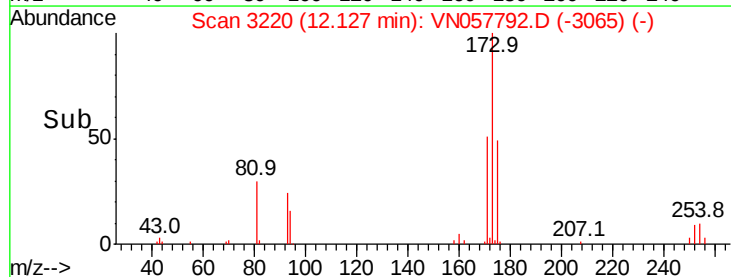
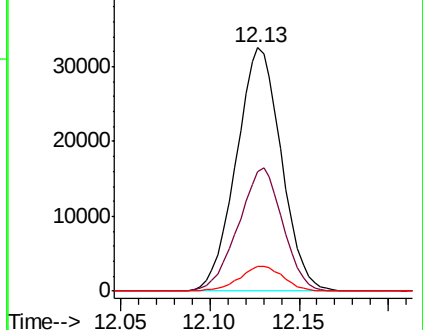
254 10.0 6.9 10.3

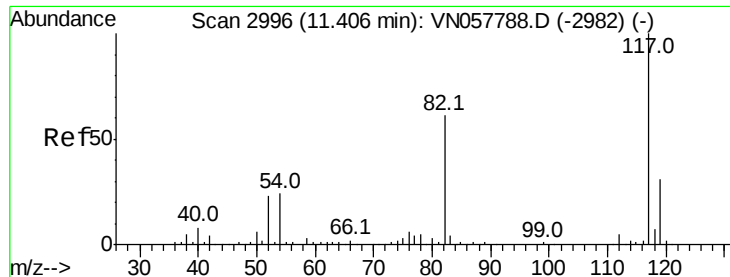


Abundance Ion 173.00 (172.70 to 173.70): VN057788.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN057788.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN057788.D (-3208) (-)

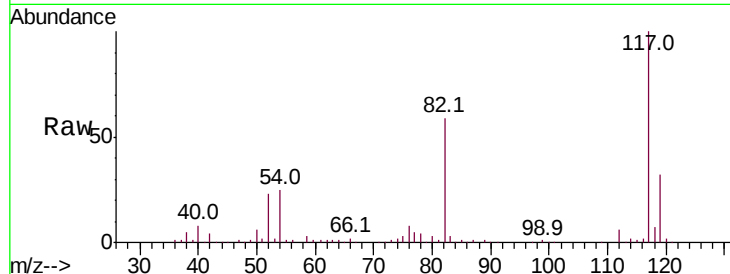




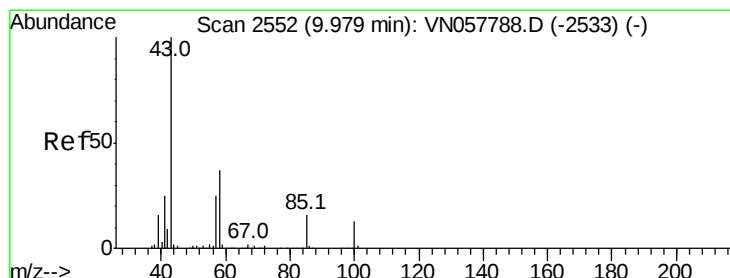
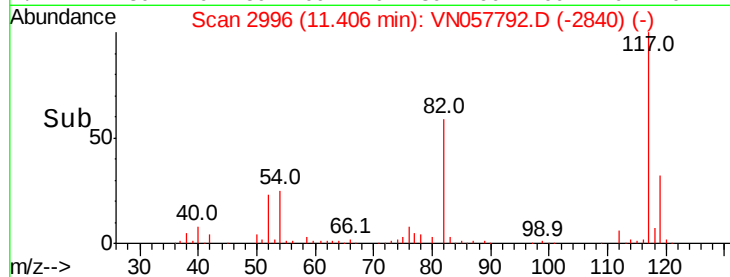
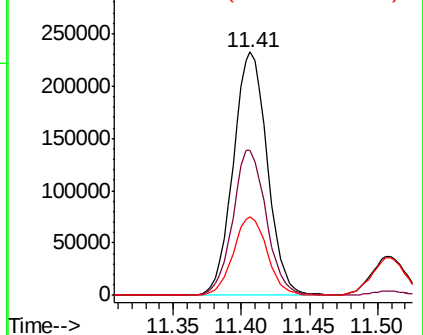
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tot Ion:117 Resp: 403084
Ion Ratio Lower Upper
117 100
82 58.6 47.6 71.4
119 32.0 25.4 38.2

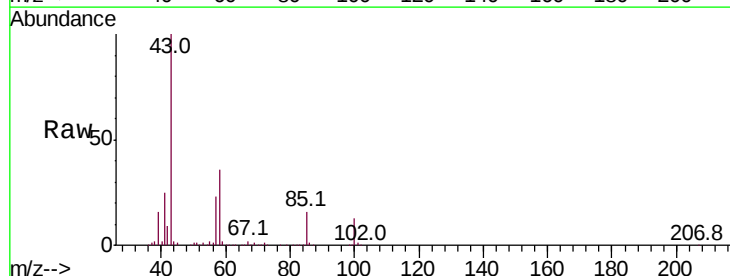


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

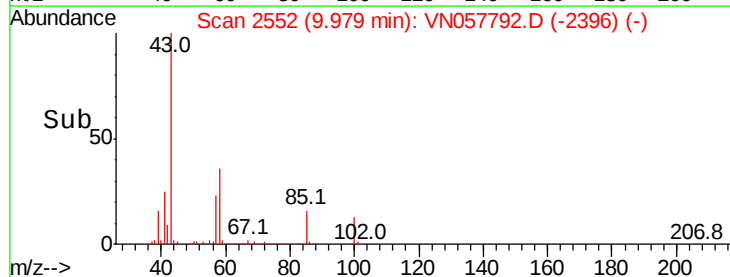
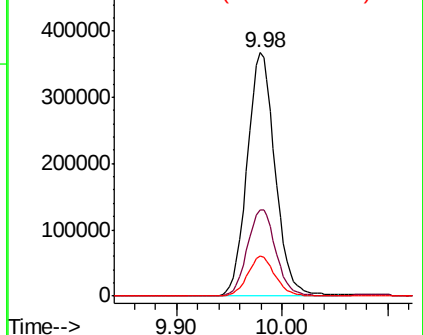


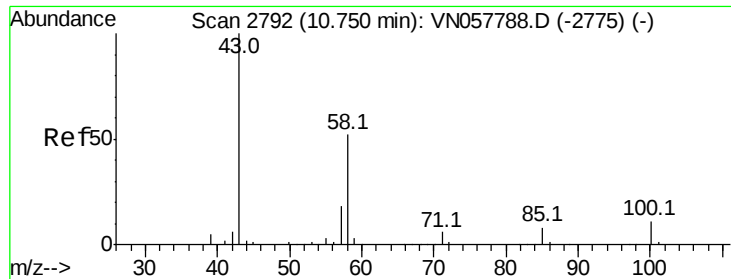
#58
4-Methyl-2-Pentanone
Concen: 107.935 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 43 Resp: 674695
Ion Ratio Lower Upper
43 100
58 36.3 29.4 44.0
85 16.3 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

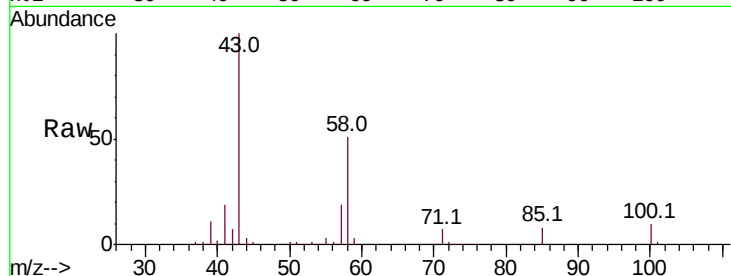




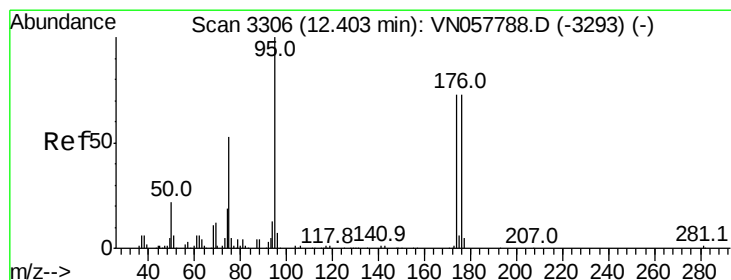
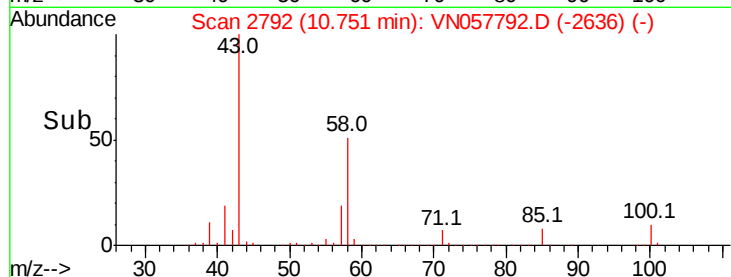
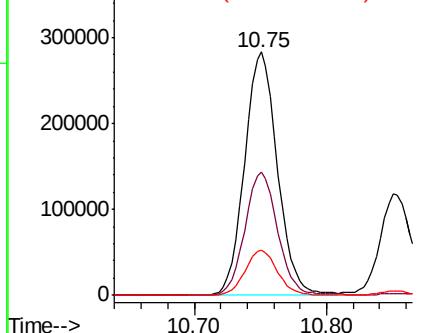
#59
2-Hexanone
Concen: 103.391 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampled :
ICVVN090919

Tot Ion: 43 Resp: 484991
Ion Ratio Lower Upper
43 100
58 51.0 40.6 61.0
57 18.5 14.5 21.7

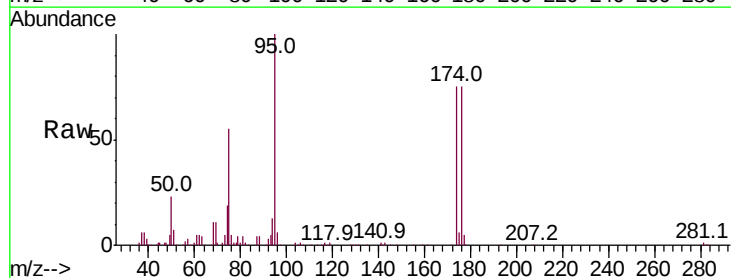


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

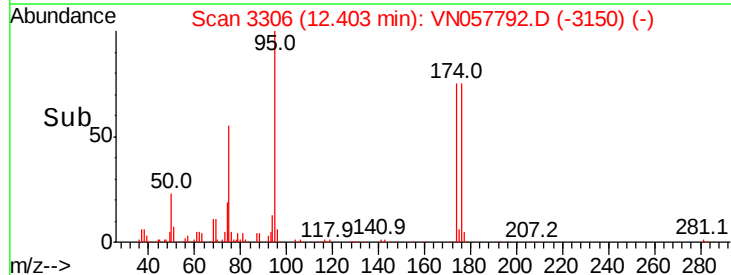
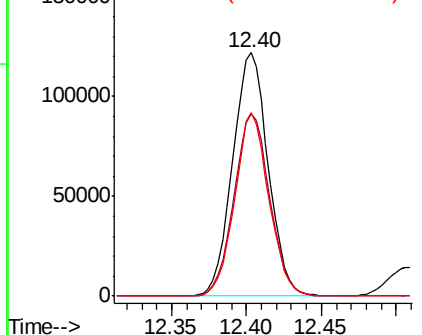


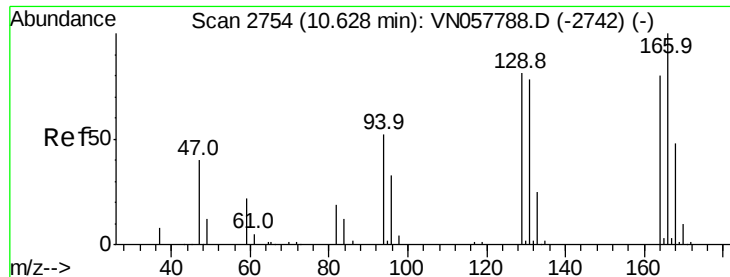
#60
4-Bromofluorobenzene
Concen: 29.205 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 95 Resp: 201445
Ion Ratio Lower Upper
95 100
174 75.1 59.4 89.0
176 72.4 57.4 86.0



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 19.809 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

Tot Ion:164 Resp: 81181

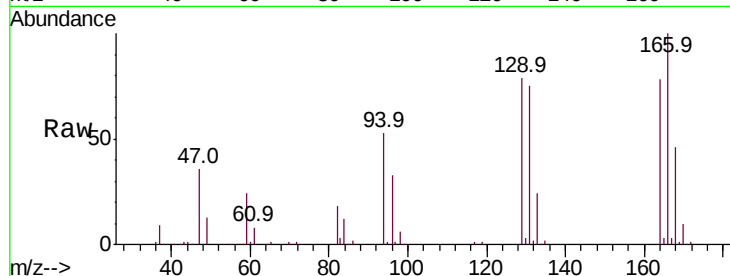
Ion Ratio Lower Upper

164 100

166 128.1 99.6 149.4

129 100.6 80.9 121.3

131 95.8 77.2 115.8

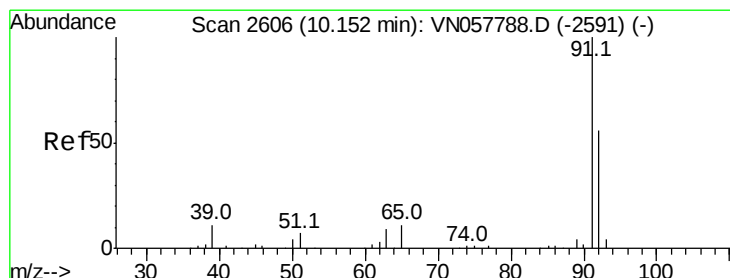
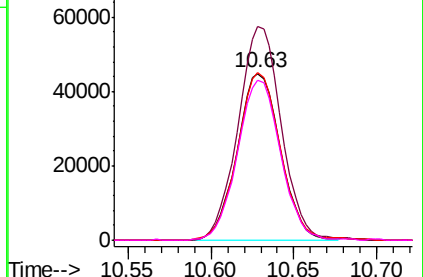
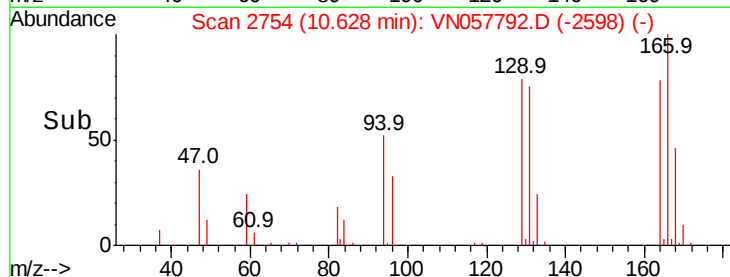


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.133 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057792.D

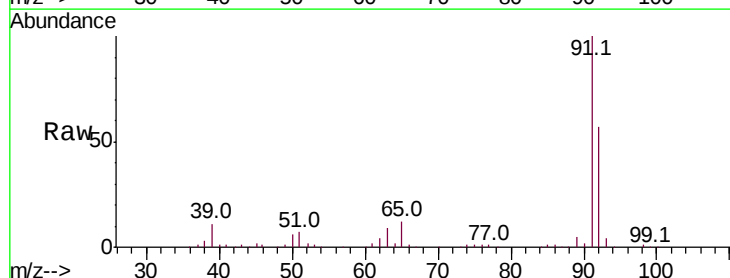
Acq: 9 Sep 2019 11:02

Tgt Ion: 91 Resp: 449349

Ion Ratio Lower Upper

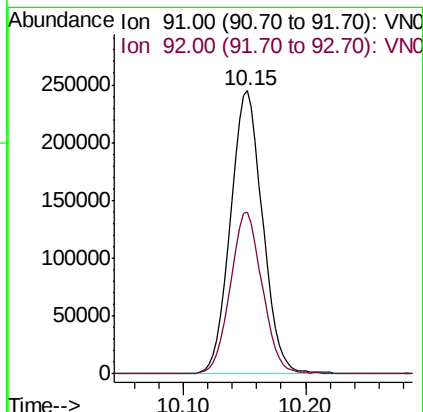
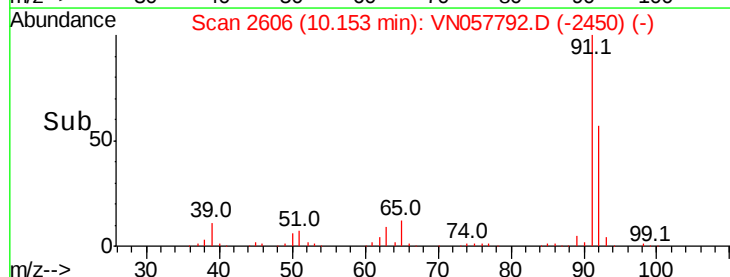
91 100

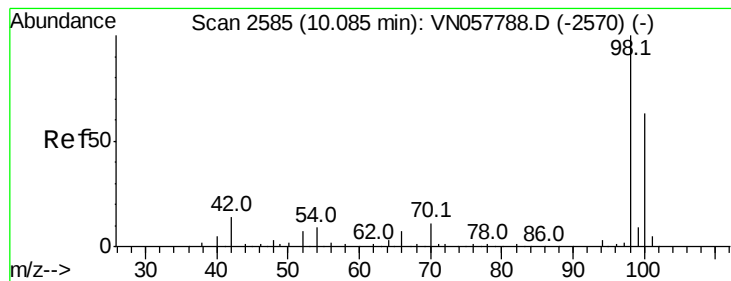
92 56.5 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.678 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

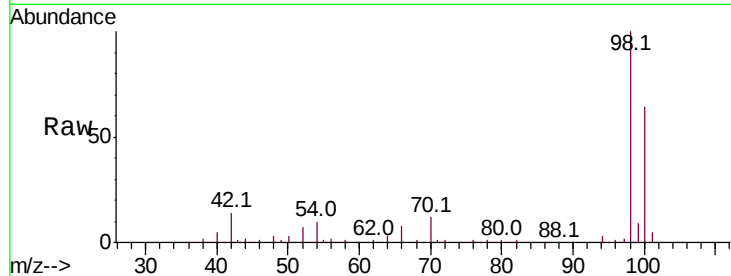
ICVFN090919

Tot Ion: 98 Resp: 574189

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057788.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-2570) (-)

10.08

300000

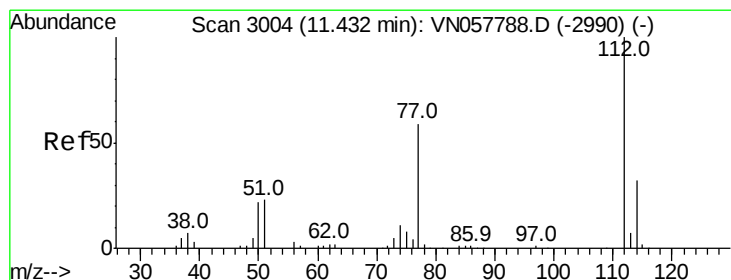
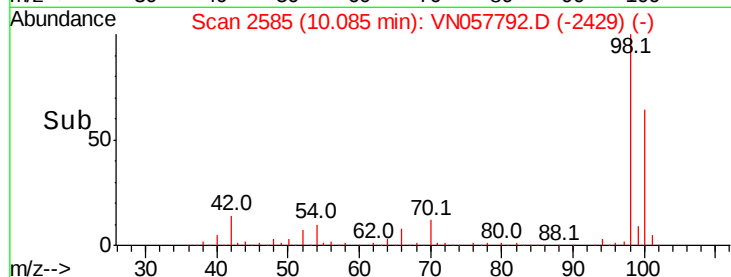
200000

100000

0

Time-->

10.00 10.10



#64

Chlorobenzene

Concen: 19.667 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057792.D

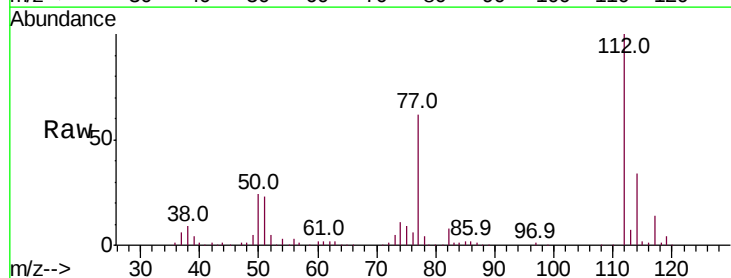
Acq: 9 Sep 2019 11:02

Tgt Ion: 112 Resp: 272297

Ion Ratio Lower Upper

112 100

114 33.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN057788.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057788.D (-2990) (-)

11.43

150000

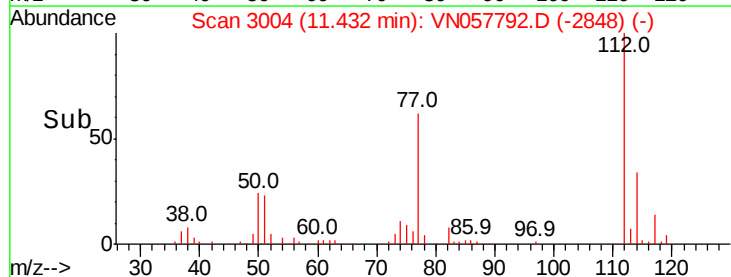
100000

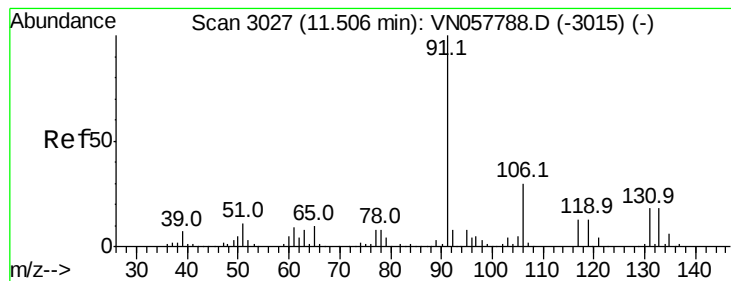
50000

0

Time-->

11.35 11.40 11.45 11.50





#65

1,1,1,2-Tetrachloroethane

Concen: 19.341 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

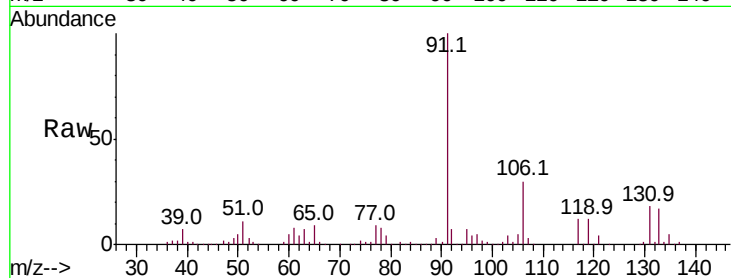
Tot Ion:131 Resp: 92977

Ion Ratio Lower Upper

131 100

133 94.5 0.0 189.2

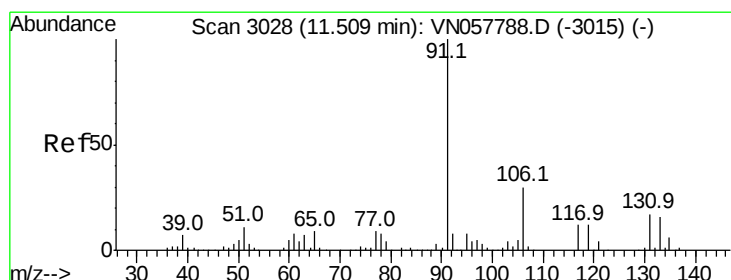
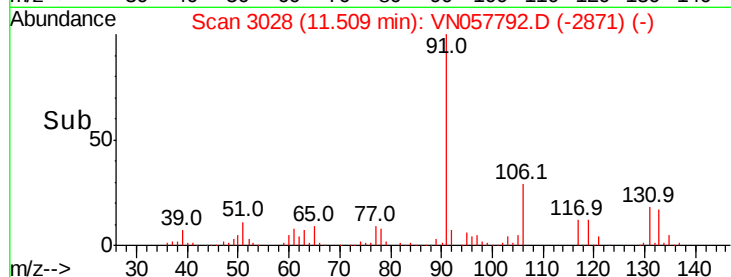
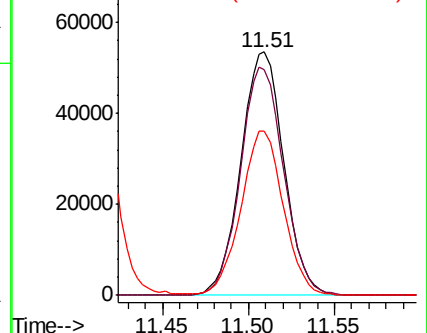
119 66.9 0.0 136.4



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: 20.424 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057792.D

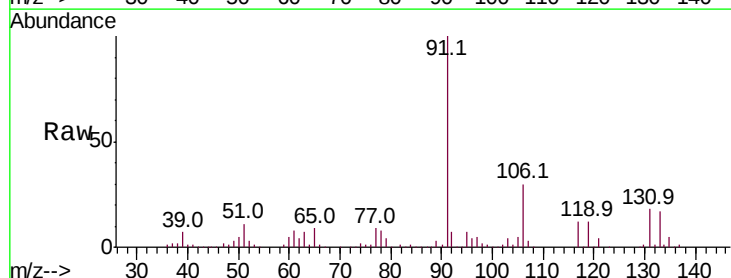
Acq: 9 Sep 2019 11:02

Tgt Ion: 91 Resp: 497503

Ion Ratio Lower Upper

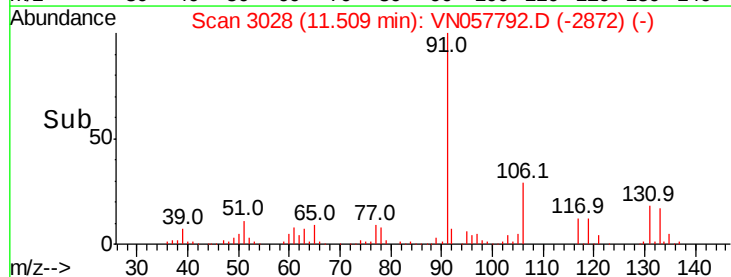
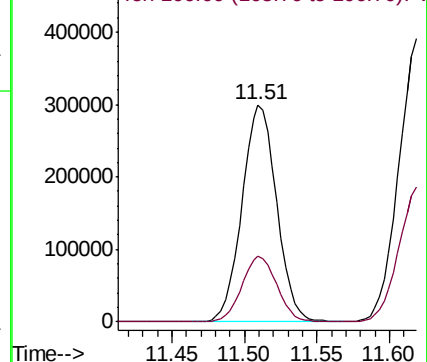
91 100

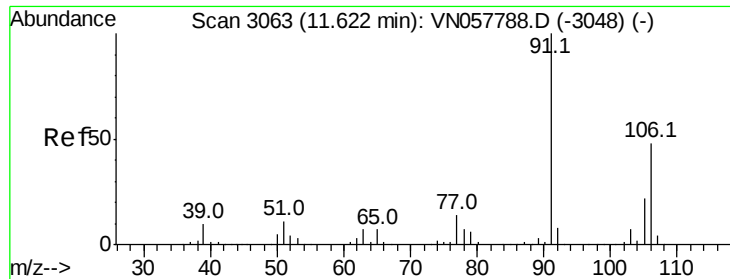
106 30.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

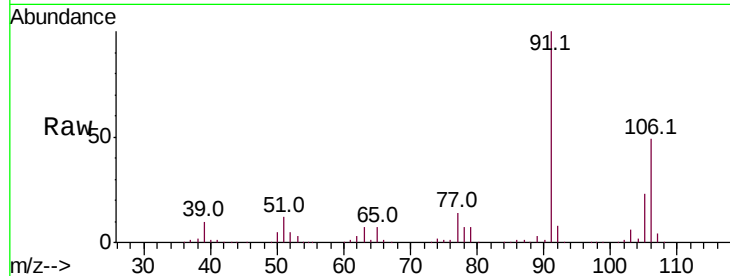




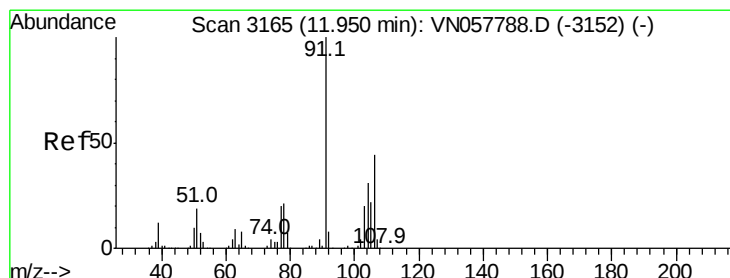
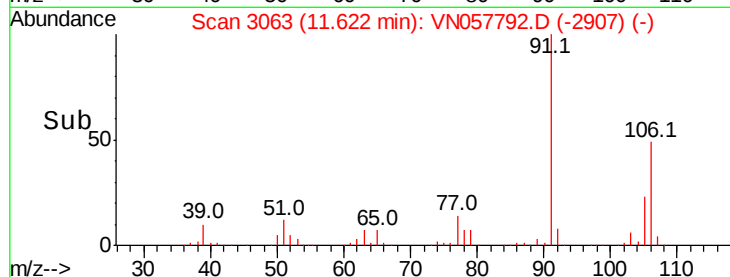
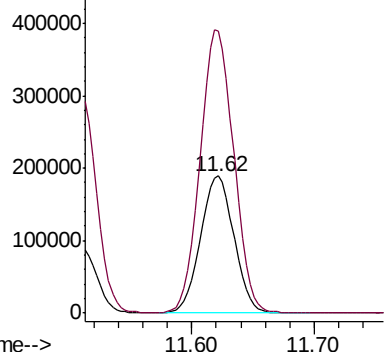
#67
m/p-Xylenes
Concen: 38.842 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tot Ion:106 Resp: 361121
Ion Ratio Lower Upper
106 100
91 206.3 166.1 249.1

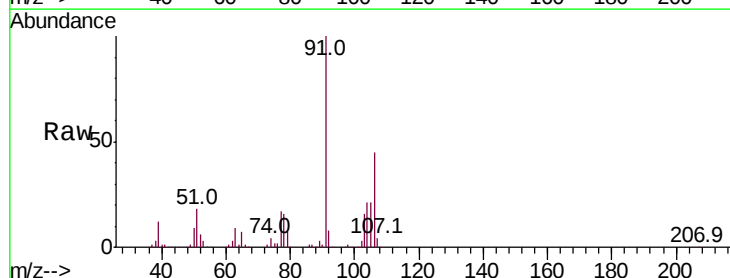


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

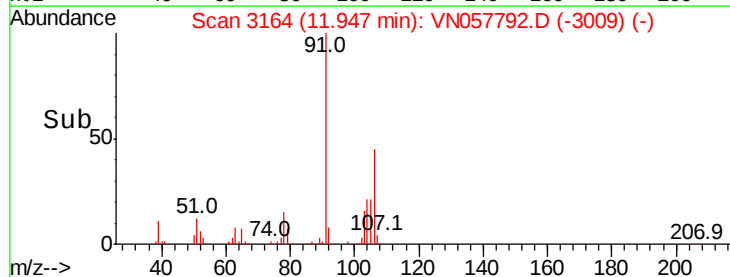
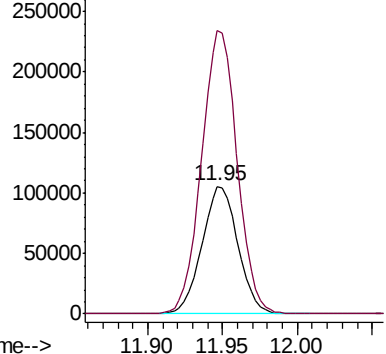


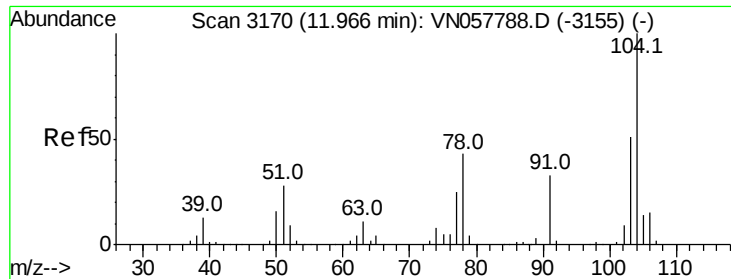
#68
o-Xylene
Concen: 19.338 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion:106 Resp: 176134
Ion Ratio Lower Upper
106 100
91 219.9 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

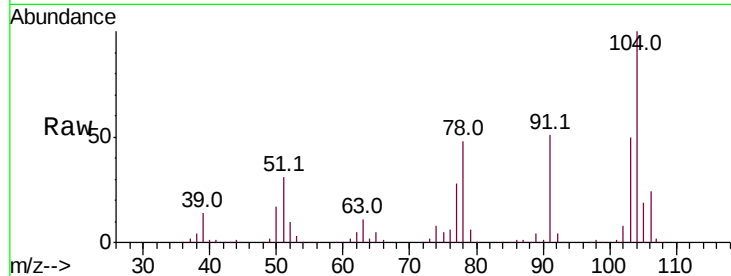




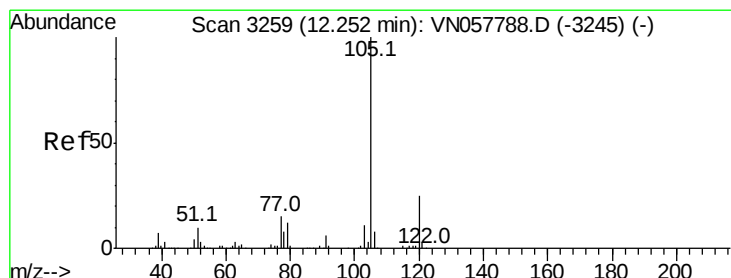
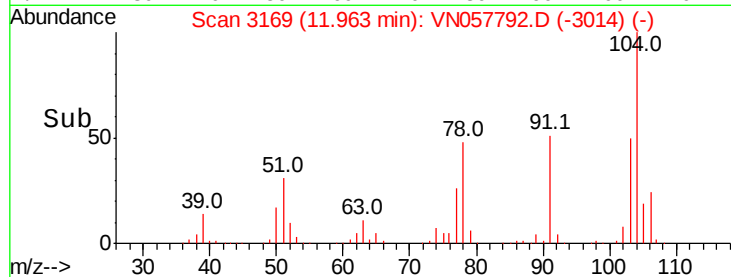
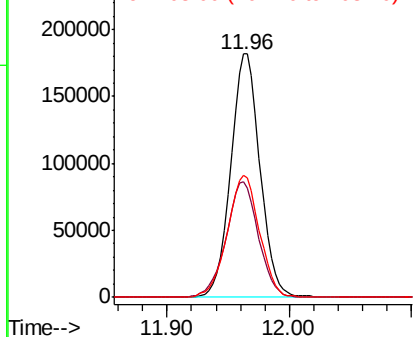
#69
Stvrene
Concen: 19.563 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.5	62.3
103	55.2	44.8	67.2

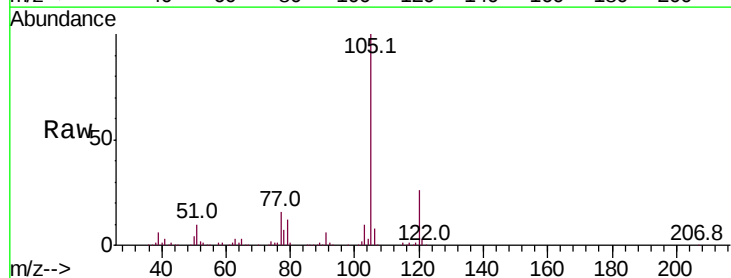


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

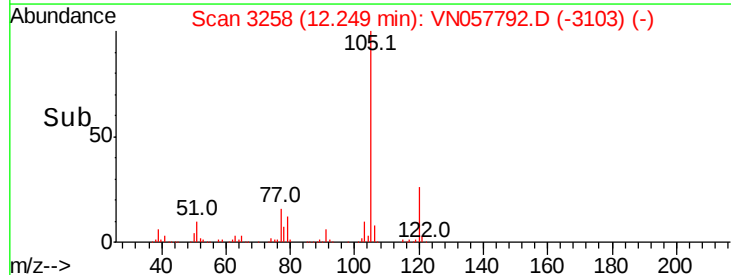
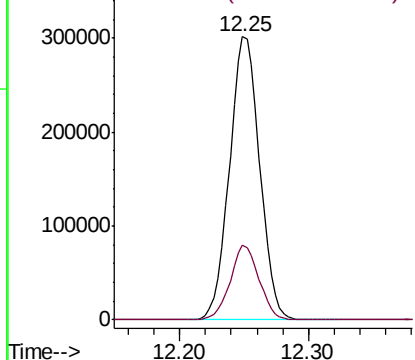


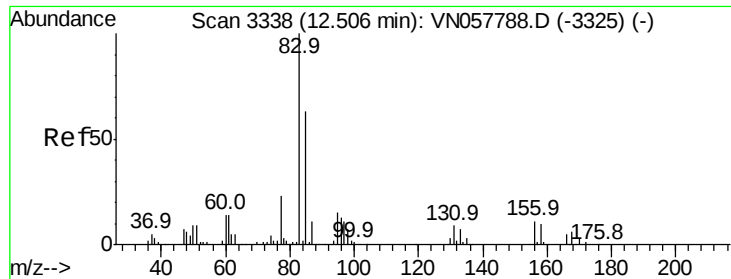
#70
Isopropylbenzene
Concen: 20.329 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	17.6	32.6



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: 19.567 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

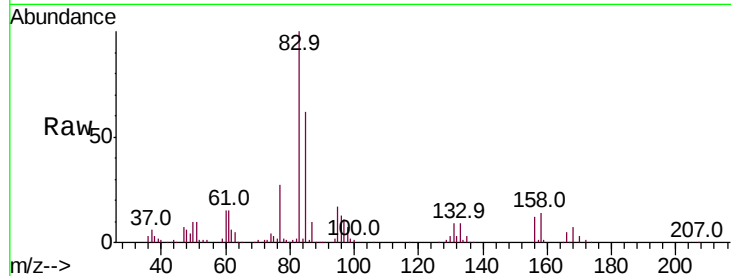
Tot Ion: 83 Resp: 147251

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.6

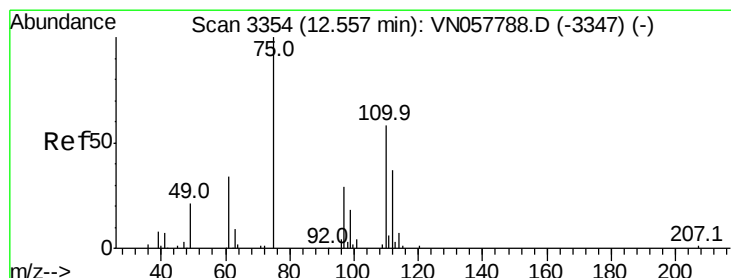
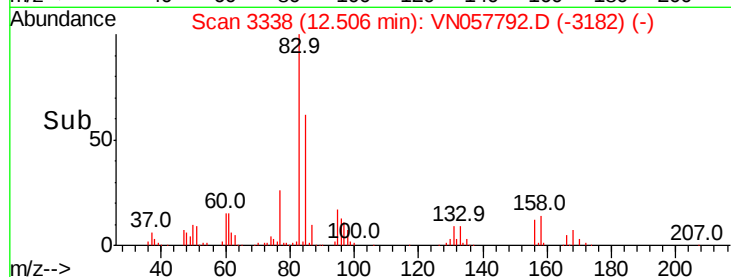
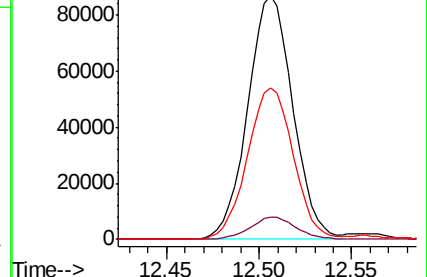
85 63.3 32.1 96.3



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 26.694 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057792.D

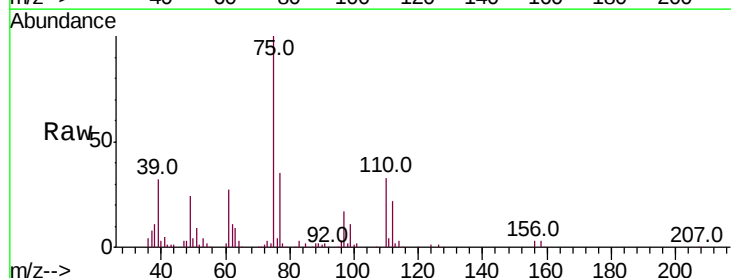
Acq: 9 Sep 2019 11:02

Tgt Ion: 75 Resp: 178299

Ion Ratio Lower Upper

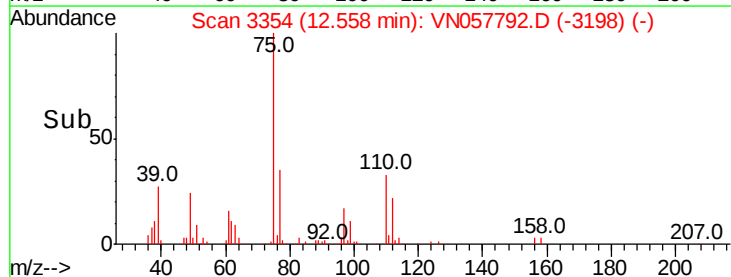
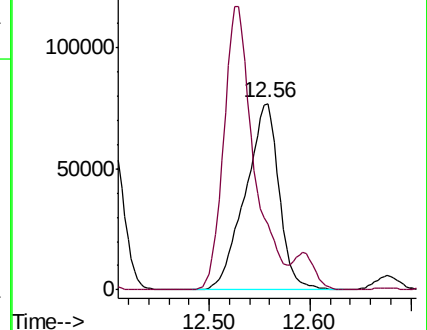
75 100

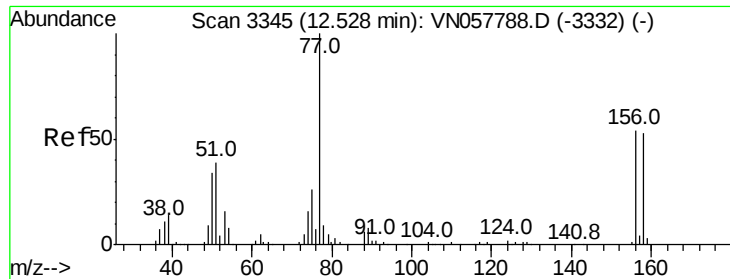
77 136.9 0.0 351.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.470 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

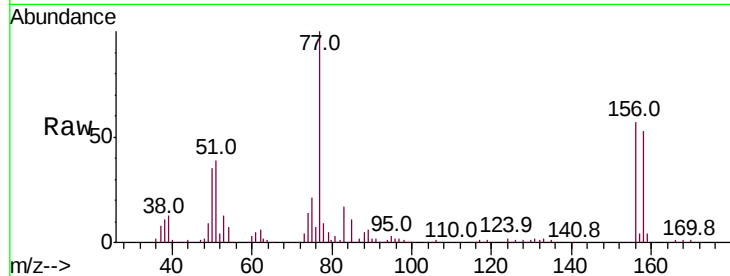
Tot Ion:156 Resp: 112240

Ion Ratio Lower Upper

156 100

77 217.5 0.0 446.6

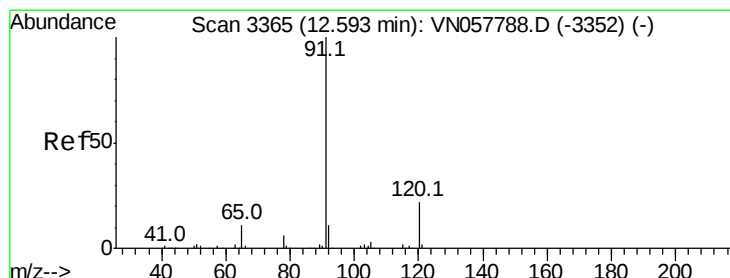
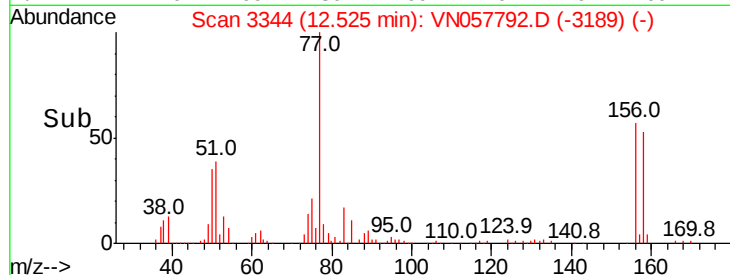
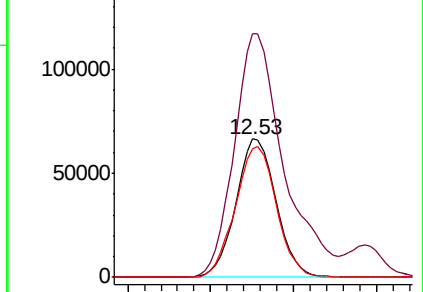
158 96.7 0.0 197.2



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: 20.569 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057792.D

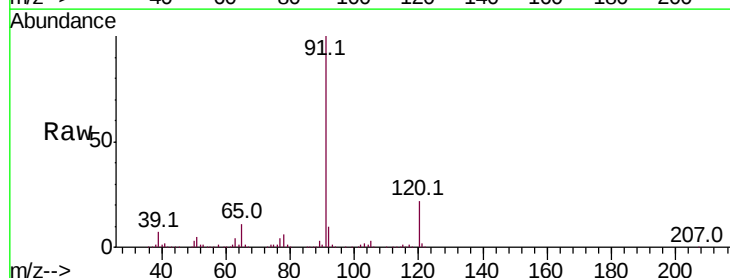
Acq: 9 Sep 2019 11:02

Tgt Ion: 91 Resp: 565882

Ion Ratio Lower Upper

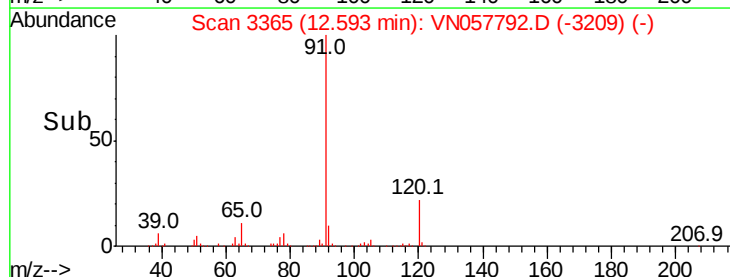
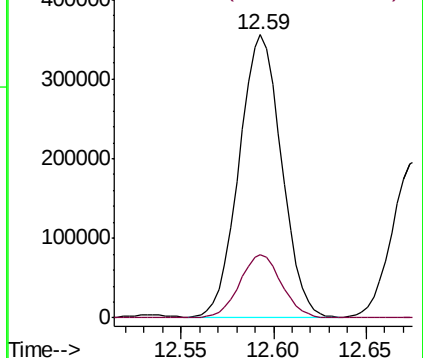
91 100

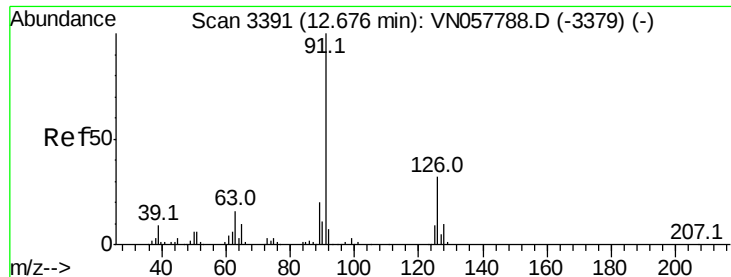
120 22.1 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.583 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

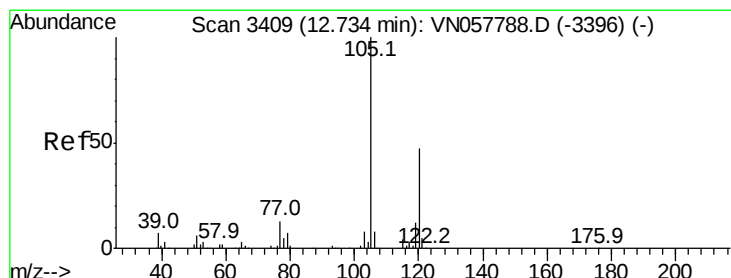
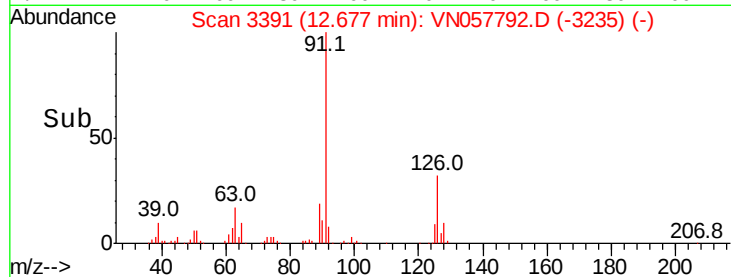
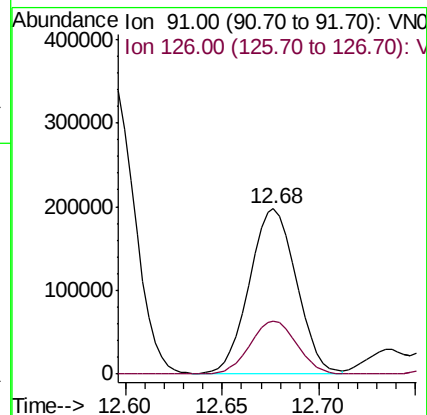
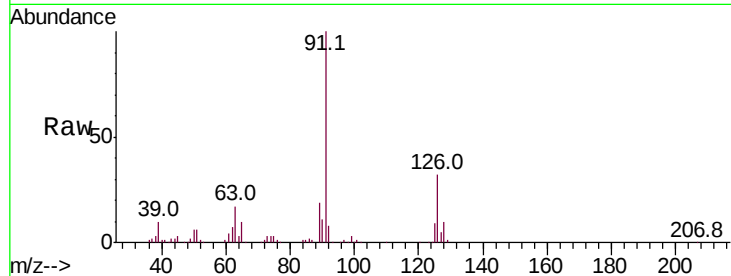
ICVVN090919

Tot Ion: 91 Resp: 335573

Ion Ratio Lower Upper

91 100

126 31.9 0.0 64.8



#76

1,3,5-Trimethylbenzene

Concen: 19.987 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057792.D

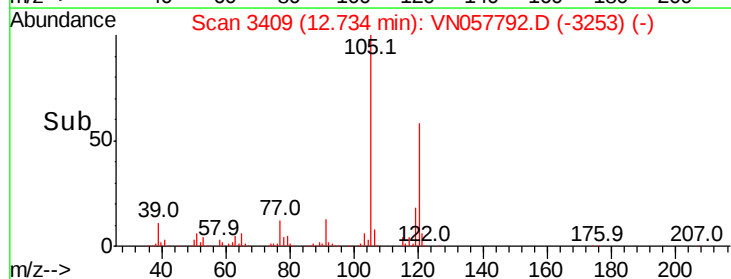
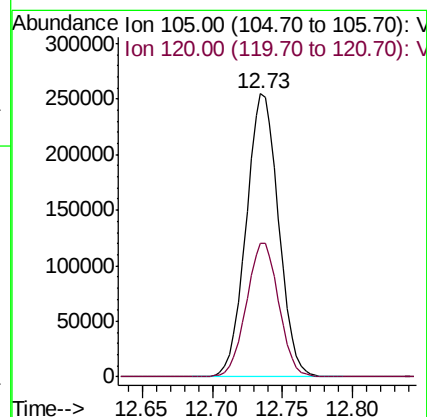
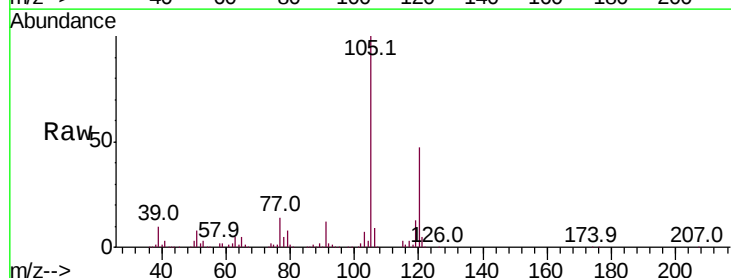
Acq: 9 Sep 2019 11:02

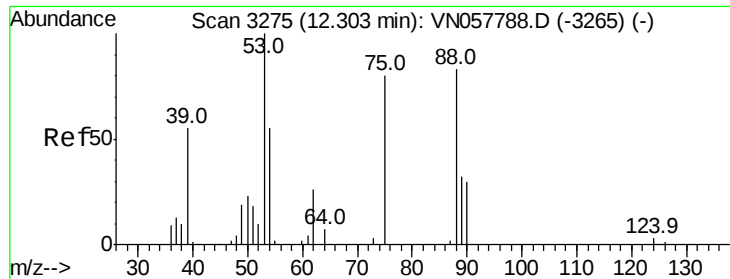
Tgt Ion: 105 Resp: 409827

Ion Ratio Lower Upper

105 100

120 47.5 0.0 94.4

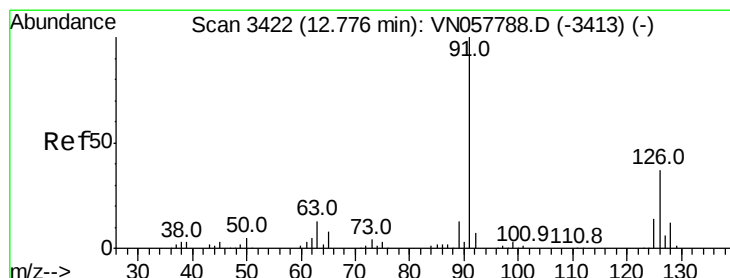
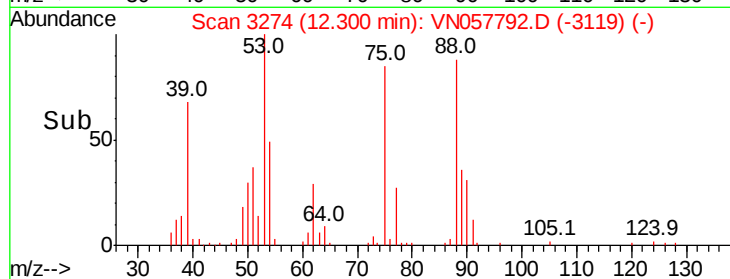
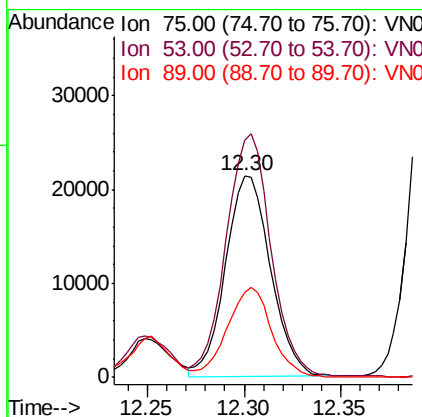
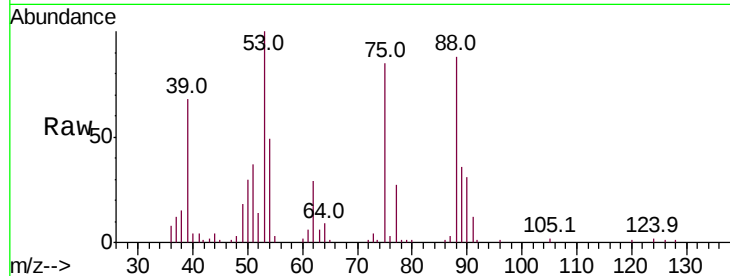




#77
t-1,4-Dichloro-2-butene
Concen: 17.440 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

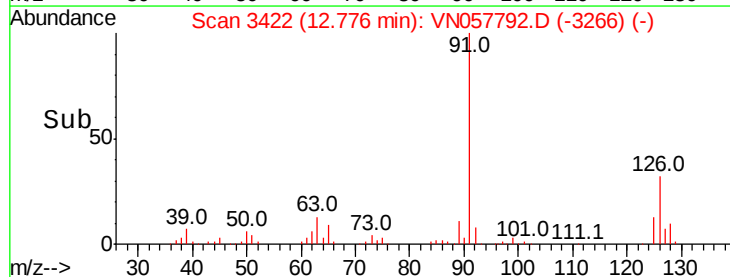
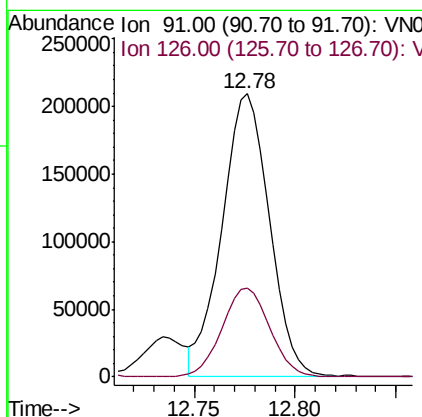
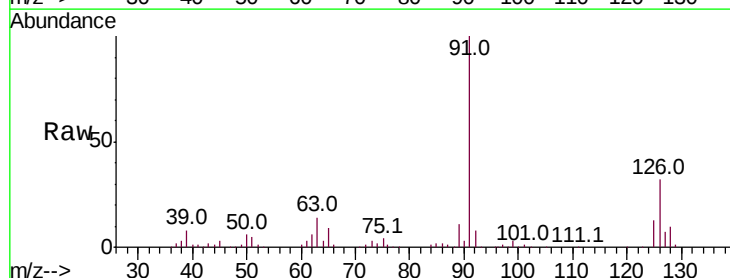
Instrument :
MSVOA_N
ClientSampled :
ICVVN090919

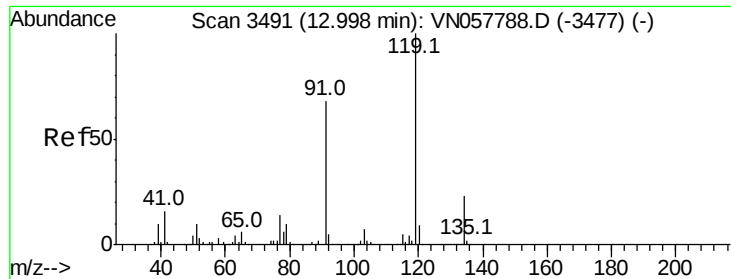
Tot Ion: 75 Resp: 34559
Ion Ratio Lower Upper
75 100
53 117.9 62.7 188.2
89 42.5 22.8 68.3



#78
4-Chlorotoluene
Concen: 19.701 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 91 Resp: 344358
Ion Ratio Lower Upper
91 100
126 31.7 0.0 65.2

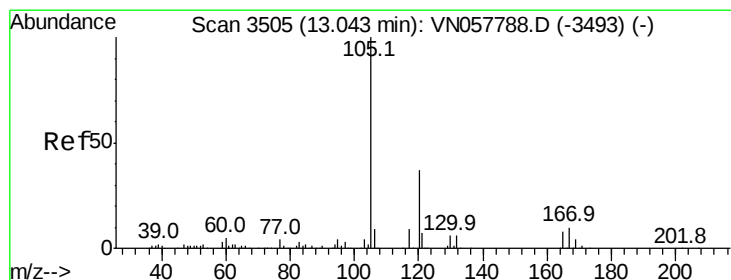
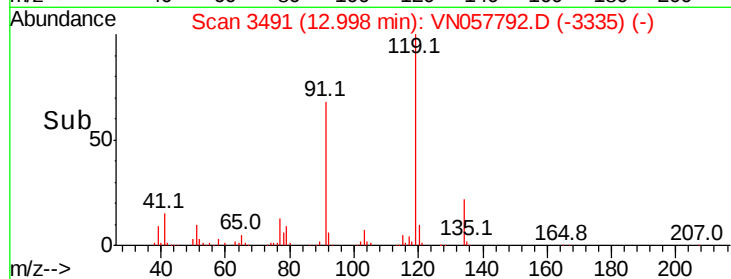
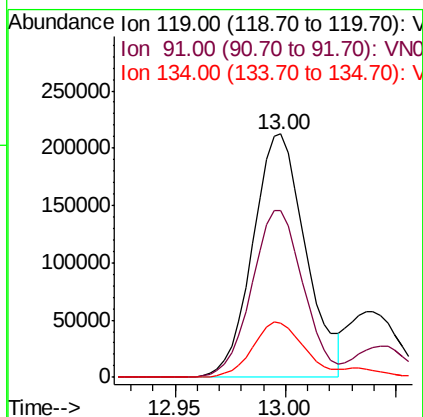
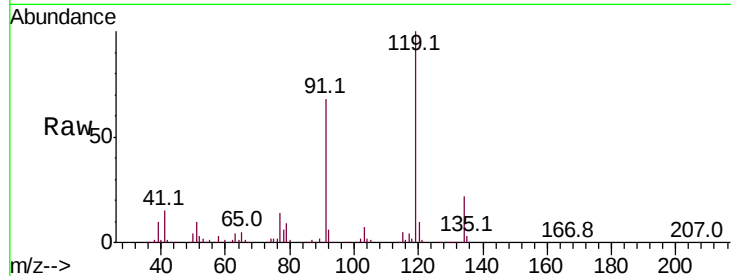




#79
tert-butylbenzene
Concen: 19.801 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

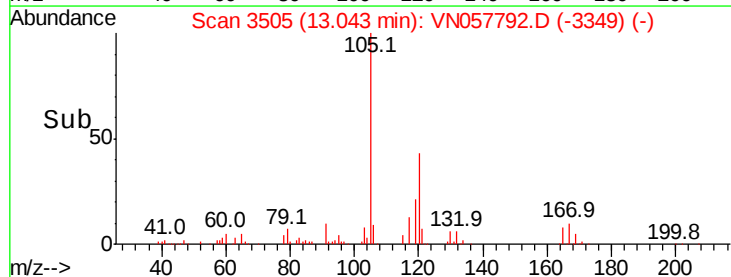
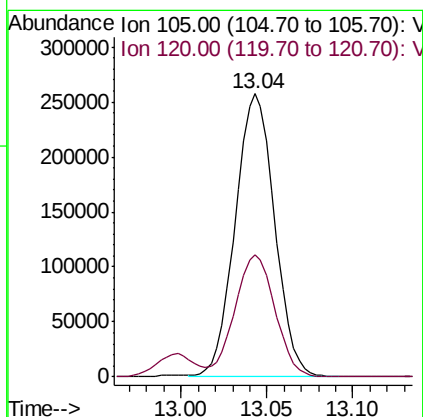
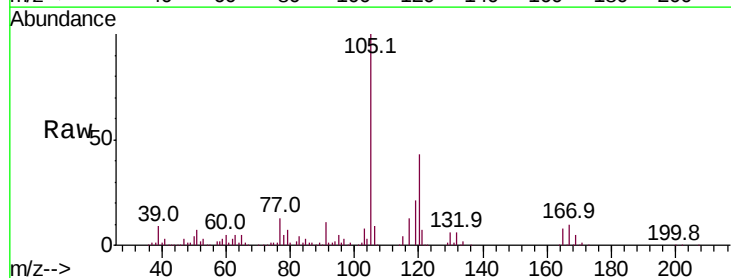
Instrument :
MSVOA_N
ClientSampled :
ICVVN090919

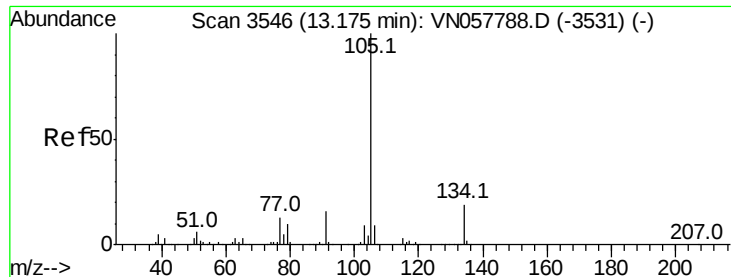
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	0.0	133.8
134	22.2	0.0	46.4



#80
1,2,4-Trimethylbenzene
Concen: 20.055 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	0.0	87.8





#81

sec-Butylbenzene

Concen: 20.201 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

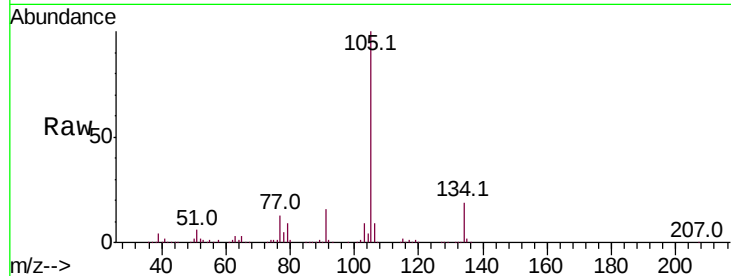
ICVNN090919

Tot Ion:105 Resp: 479454

Ion Ratio Lower Upper

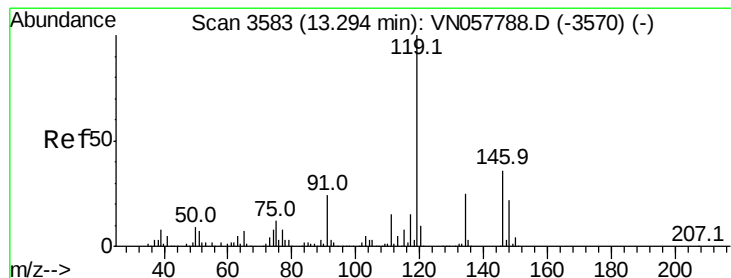
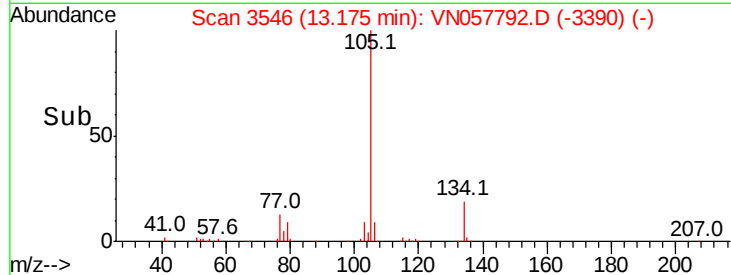
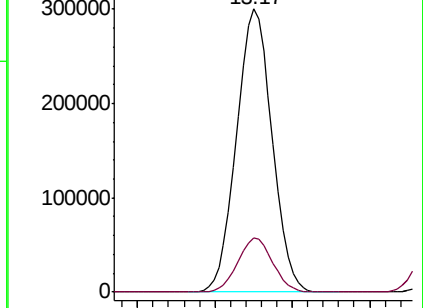
105 100

134 18.8 0.0 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.878 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

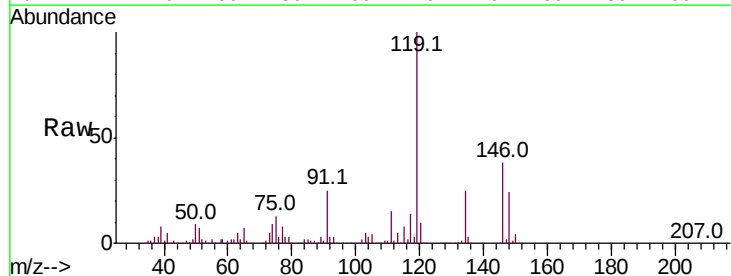
Tgt Ion:119 Resp: 422511

Ion Ratio Lower Upper

119 100

134 24.5 0.0 50.4

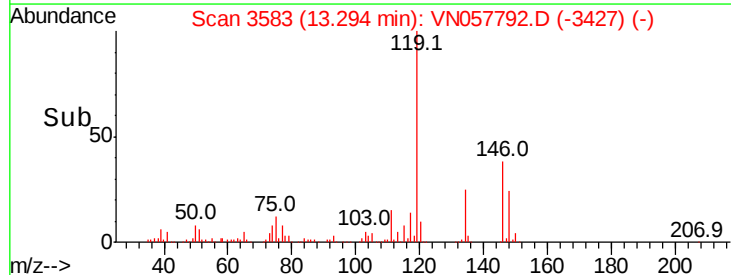
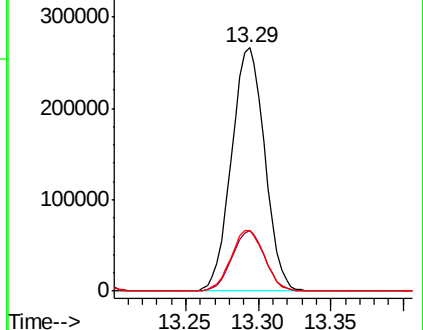
91 25.1 0.0 48.8

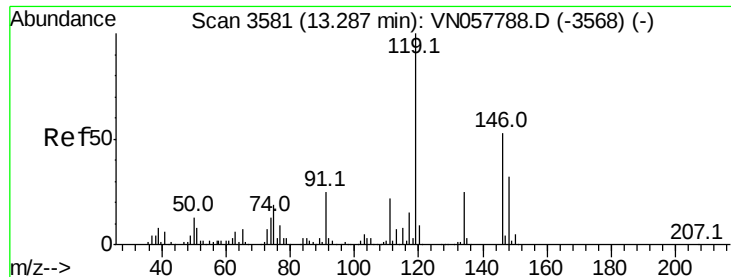


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

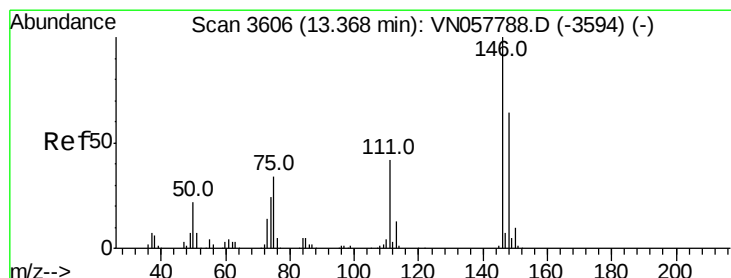
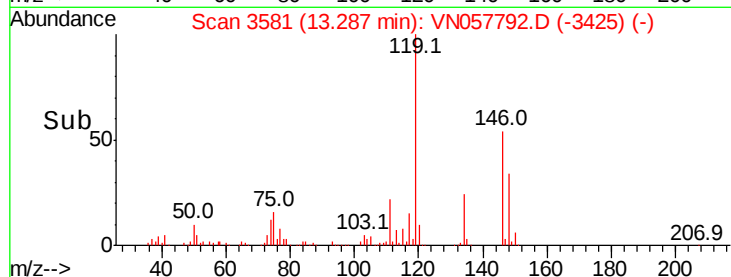
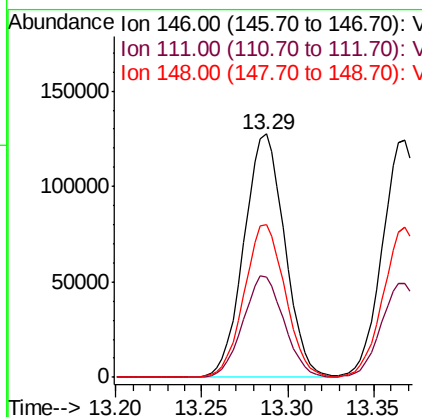
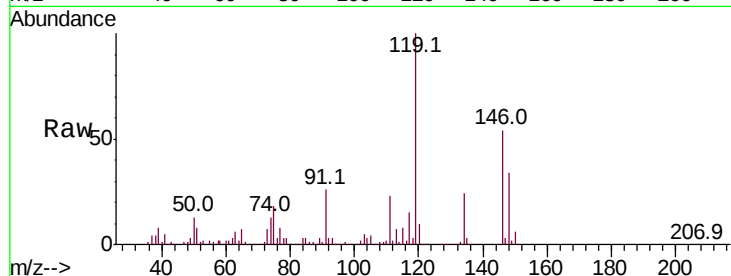




#83
 1,3-Dichlorobenzene
 Concen: 19.532 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

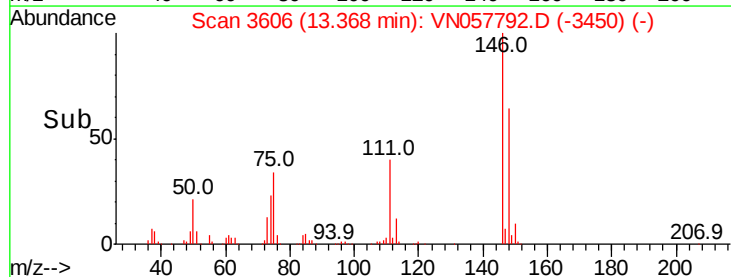
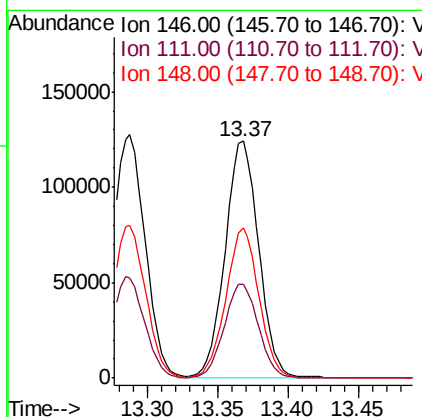
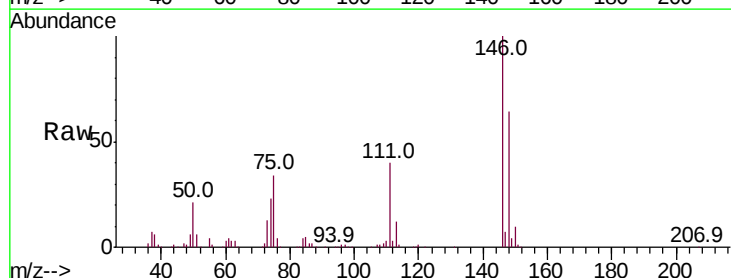
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

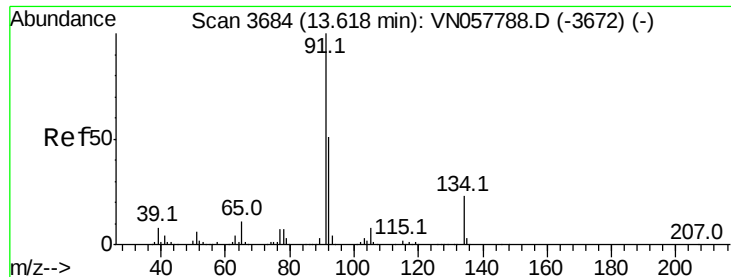
Tot Ion:146 Resp: 209298
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.7 62.1
 148 63.1 30.9 92.5



#84
 1,4-Dichlorobenzene
 Concen: 19.633 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion:146 Resp: 207117
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.1 63.4
 148 62.3 31.7 95.1

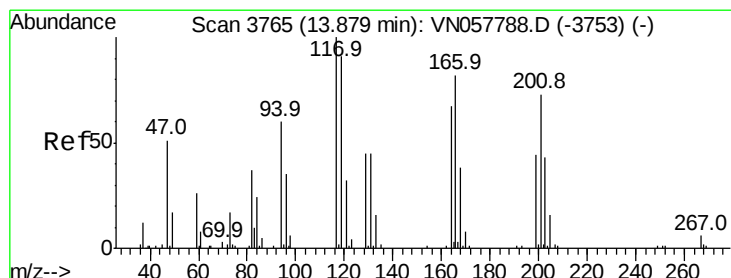
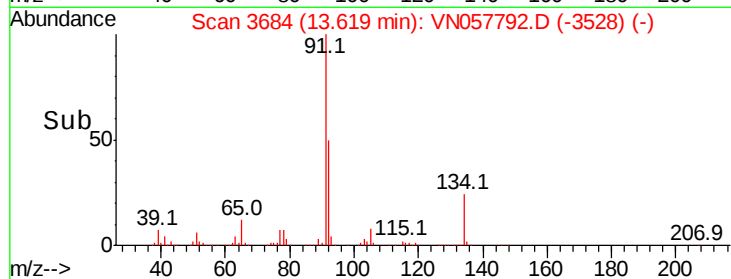
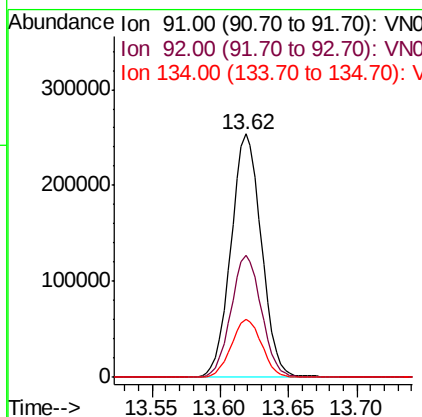
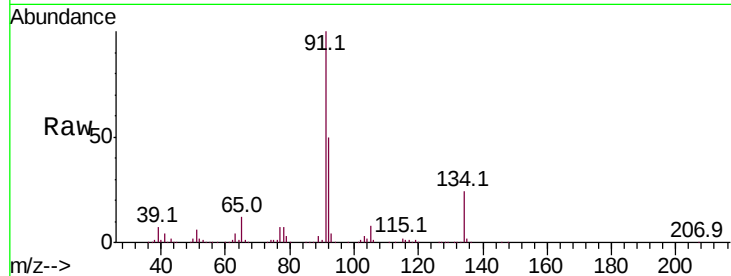




#85
n-Butylbenzene
Concen: 19.868 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

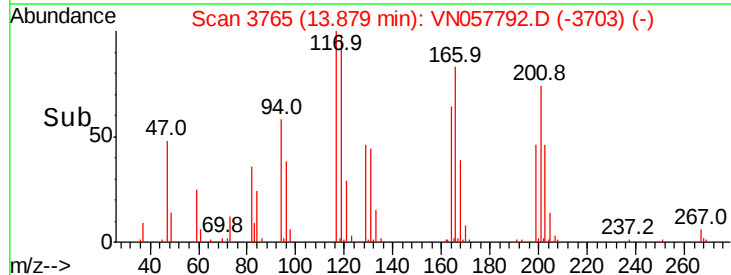
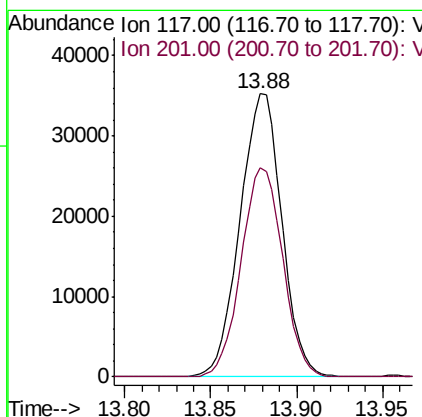
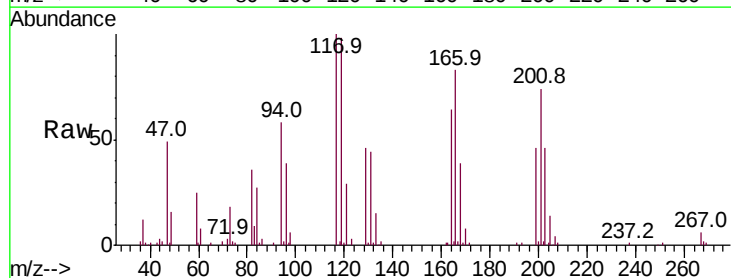
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090919

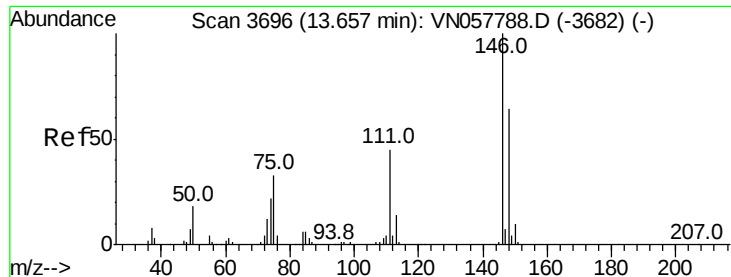
Tot Ion: 91 Resp: 393558
Ion Ratio Lower Upper
91 100
92 50.4 0.0 100.0
134 23.8 0.0 46.6



#86
Hexachloroethane
Concen: 17.593 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057792.D
Acq: 9 Sep 2019 11:02

Tgt Ion: 117 Resp: 59563
Ion Ratio Lower Upper
117 100
201 73.2 36.7 110.1

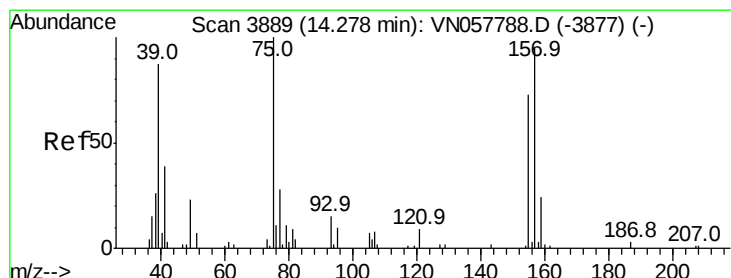
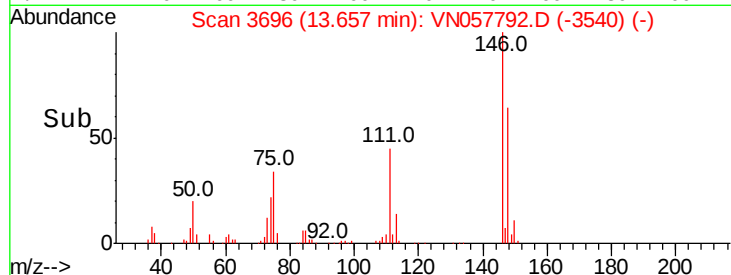
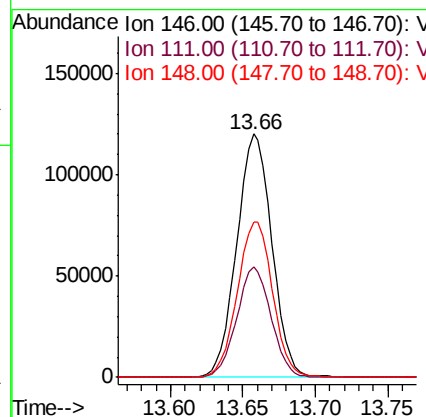
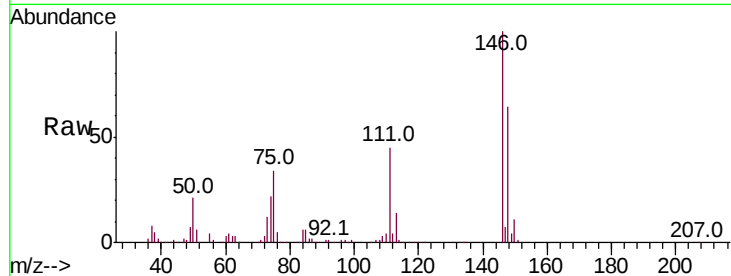




#87
 1,2-Dichlorobenzene
 Concen: 19.461 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

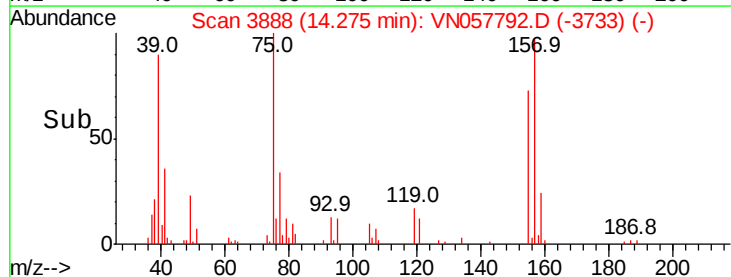
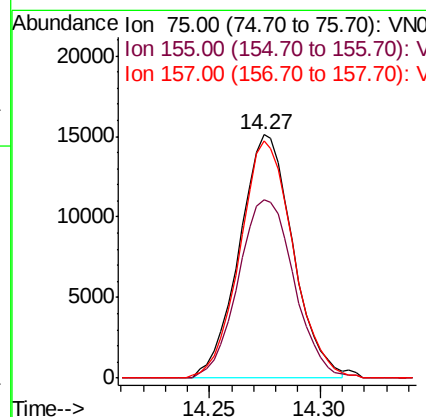
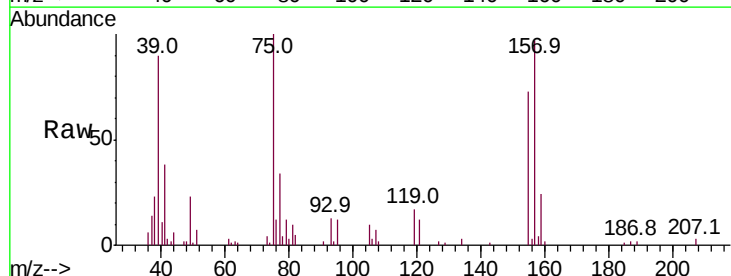
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090919

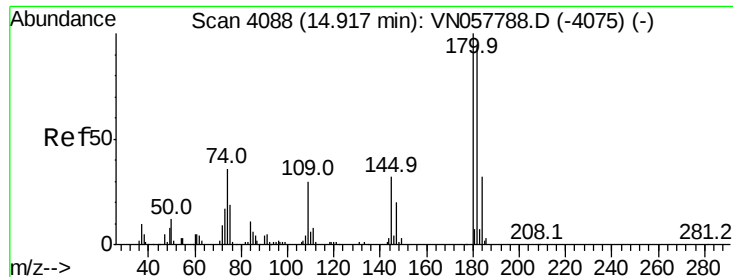
Tot Ion:146 Resp: 202420
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.2 66.6
 148 64.3 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.245 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion: 75 Resp: 25500
 Ion Ratio Lower Upper
 75 100
 155 76.3 59.4 89.2
 157 97.2 74.6 112.0

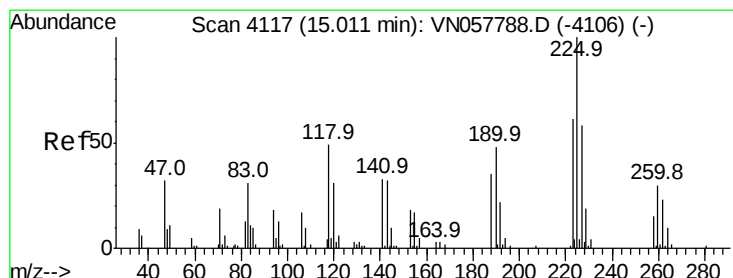
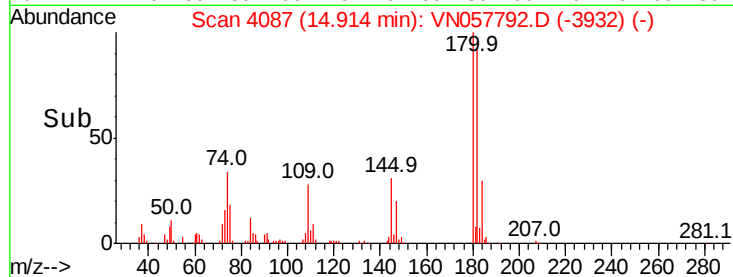
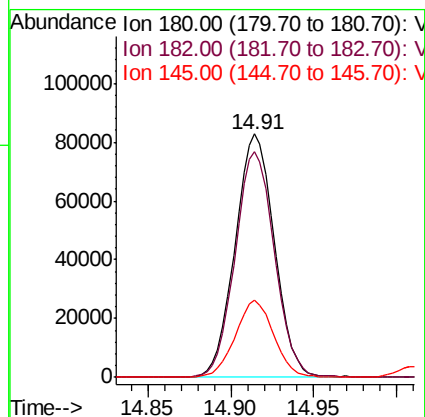
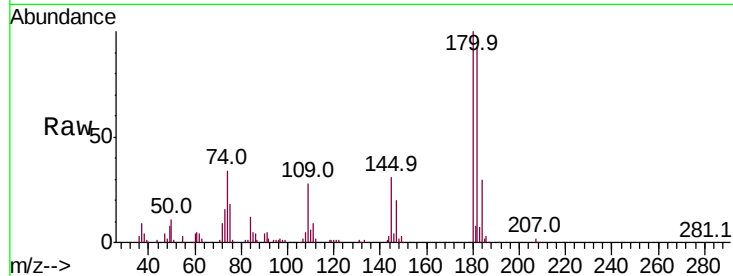




#89
 1,2,4-Trichlorobenzene
 Concen: 21.434 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

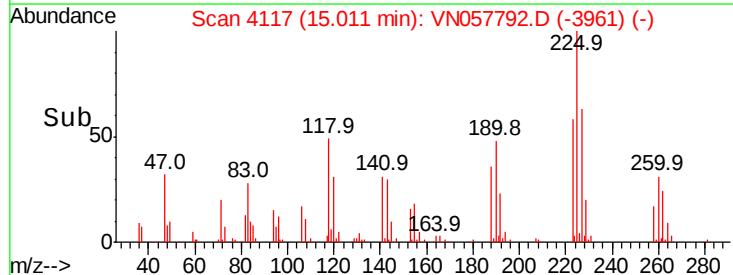
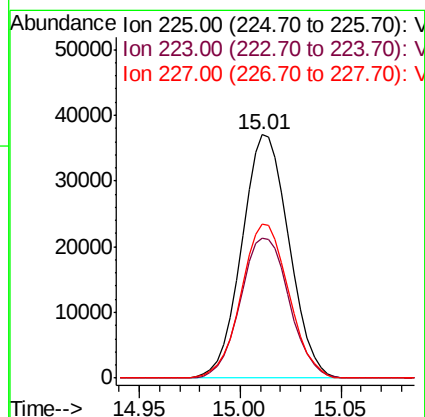
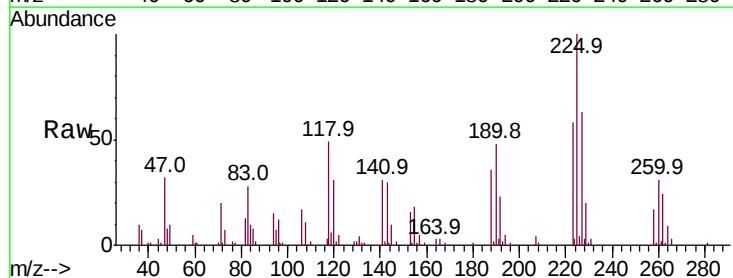
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090919

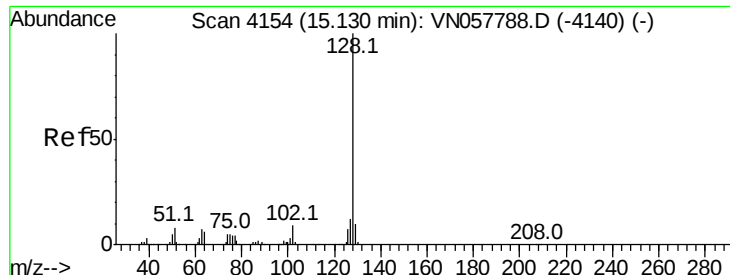
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.0	115.4
145	31.0	26.1	39.1



#90
 Hexachlorobutadiene
 Concen: 20.746 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057792.D
 Acq: 9 Sep 2019 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	0.0	125.0
227	64.0	0.0	123.8





#91

Naphthalene

Concen: 23.583 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090919

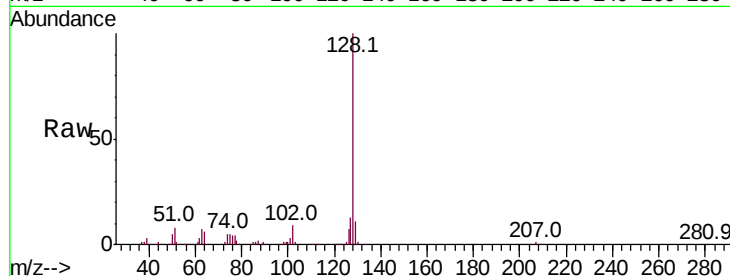
Tot Ion:128 Resp: 412292

Ion Ratio Lower Upper

128 100

127 13.0 9.9 14.9

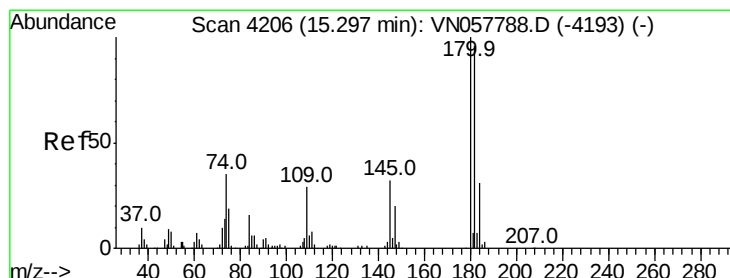
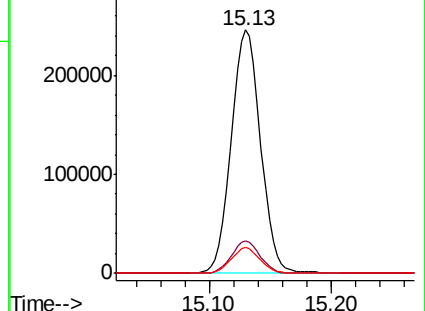
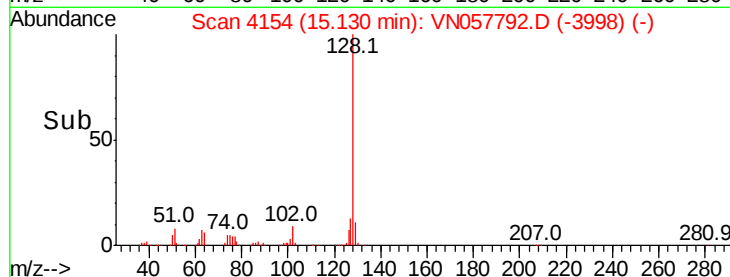
129 10.5 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 22.331 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057792.D

Acq: 9 Sep 2019 11:02

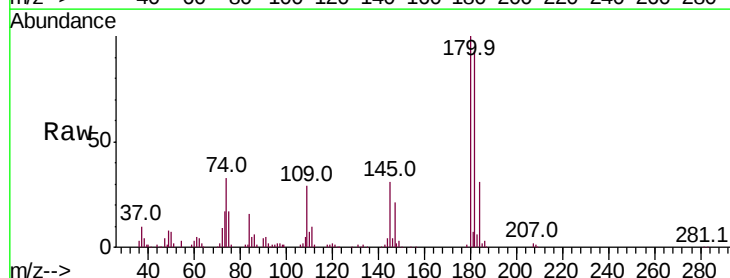
Tgt Ion:180 Resp: 135321

Ion Ratio Lower Upper

180 100

182 93.4 0.0 189.8

145 31.9 0.0 65.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

