

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090919\
 Data File : VN057790.D
 Acq On : 9 Sep 2019 10:18
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 09 11:52:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 11:48:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	79790	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	467710	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	435176	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	207620	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.40	95	234376	31.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.90%
63) Toluene-d8	10.08	98	621773	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	488862	101.406	ug/l 97
3) Chloromethane	2.04	50	578473	96.234	ug/l 98
4) Vinyl Chloride	2.16	62	591357	96.152	ug/l 98
5) Bromomethane	2.53	94	360986	93.615	ug/l 93
6) Chloroethane	2.67	64	359911	94.163	ug/l 96
7) Trichlorofluoromethane	2.99	101	704263	99.116	ug/l 97
8) Diethyl Ether	3.39	74	287077	100.152	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	434974	98.037	ug/l 99
10) 1,1-Dichloroethene	3.71	96	412414	97.750	ug/l 93
11) Methyl Iodide	3.93	142	583613	103.390	ug/l 98
12) Methyl Acetate	4.30	43	579729	99.991	ug/l 96
13) Acrolein	3.58	56	143176	455.762	ug/l 99
14) Acrylonitrile	4.96	53	1213523	514.133	ug/l # 91
15) Acetone	3.80	58	327546	488.806	ug/l 99
16) Carbon Disulfide	4.03	76	1001828	101.972	ug/l 99
17) Allyl chloride	4.30	41	796762	103.061	ug/l 97
18) Methylene Chloride	4.53	84	509512	95.833	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	459257	97.667	ug/l 98
20) Diisopropyl ether	5.93	45	1822000	100.809	ug/l 93
21) 1,1-Dichloroethane	5.82	63	985157	98.854	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	570555	99.029	ug/l 100
23) tert-Butyl Alcohol	4.77	59	400129	519.278	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	1616131	99.952	ug/l # 100
25) Chloroform	7.36	83	1000409	98.602	ug/l 99
26) Cyclohexane	7.64	56	836383	99.886	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	741764	100.815	ug/l 99
30) 2-Butanone	6.81	43	1717664	517.750	ug/l 100
31) 2,2-Dichloropropane	6.80	77	805282	103.664	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	843104	101.916	ug/l 99
33) Carbon Tetrachloride	7.76	117	710011	105.211	ug/l 98
34) Benzene	8.03	78	2190870	100.492	ug/l # 88
35) Methacrylonitrile	7.16	41	339282	112.250	ug/l 97
36) 1,2-Dichloroethane	8.11	62	837667	99.014	ug/l 100
37) Trichloroethene	8.82	130	532001	100.470	ug/l 100
38) Methylcyclohexane	9.07	83	854692	102.015	ug/l 99
39) 1,2-Dichloropropane	9.11	63	606630	99.081	ug/l 98
40) Dibromomethane	9.20	93	378665	101.687	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	787523	104.898	ug/l	97
42) Vinyl Acetate	5.87	43	6786135	508.664	ug/l	96
43) Ethyl Acetate	7.19	43	237684	34.732	ug/l	97
44) Isopropyl Acetate	8.15	43	1251496	105.614	ug/l #	92
45) 1,4-Dioxane	9.19	88	191543	2065.488	ug/l	99
46) Methyl methacrylate	9.19	41	603752	104.730	ug/l	98
47) n-amyl Acetate	12.07	43	1228771	113.405	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	894859	111.962	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	959737	107.024	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	553570	102.485	ug/l	98
51) Ethyl methacrylate	10.43	69	914167	109.151	ug/l	99
52) 1,3-Dichloropropane	10.71	76	979325	103.675	ug/l	100
53) Dibromochloromethane	10.90	129	597379	111.985	ug/l	99
54) 1,2-Dibromoethane	11.00	107	559063	104.026	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	2171629	545.677	ug/l	98
56) Bromoform	12.13	173	393365	119.033	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3393686	502.871	ug/l	93
59) 2-Hexanone	10.75	43	2629223	519.165	ug/l	95
61) Tetrachloroethene	10.63	164	440216	99.494	ug/l	97
62) Toluene	10.15	91	2405475	99.828	ug/l	97
64) Chlorobenzene	11.43	112	1508047	100.888	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	551336	106.230	ug/l	99
66) Ethyl Benzene	11.51	91	2663251	101.302	ug/l	92
67) m/p-Xylenes	11.62	106	2085062	229.621	ug/l	85
68) o-Xylene	11.95	106	1018943	103.621	ug/l	95
69) Styrene	11.96	104	1790923	106.820	ug/l	99
70) Isopropylbenzene	12.25	105	2668192	102.635	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.51	83	859808	105.826	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1096278	154.192	ug/l	69
73) Bromobenzene	12.53	156	649838	104.411	ug/l	99
74) n-propylbenzene	12.59	91	2995148	100.842	ug/l	93
75) 2-Chlorotoluene	12.68	91	1927258	104.176	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	2316429	104.640	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	262646	122.768	ug/l	86
78) 4-Chlorotoluene	12.78	91	2016192	106.843	ug/l	99
79) tert-butylbenzene	13.00	119	2043814	105.829	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2313208	104.874	ug/l	96
81) sec-Butylbenzene	13.17	105	2662760	103.918	ug/l	97
82) p-Isopropyltoluene	13.29	119	2416561	105.309	ug/l	97
83) 1,3-Dichlorobenzene	13.29	146	1229597	106.288	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	1228924	107.899	ug/l	98
85) n-Butylbenzene	13.62	91	2281603	106.686	ug/l	94
86) Hexachloroethane	13.88	117	417445	114.209	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	1193441	106.276	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	161666	113.012	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	755549	110.142	ug/l	99
90) Hexachlorobutadiene	15.01	225	338989	107.602	ug/l	99
91) Naphthalene	15.13	128	2137493	113.246	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	720053	110.064	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Sep 09 11:48:16 2019
Response via : Initial Calibration

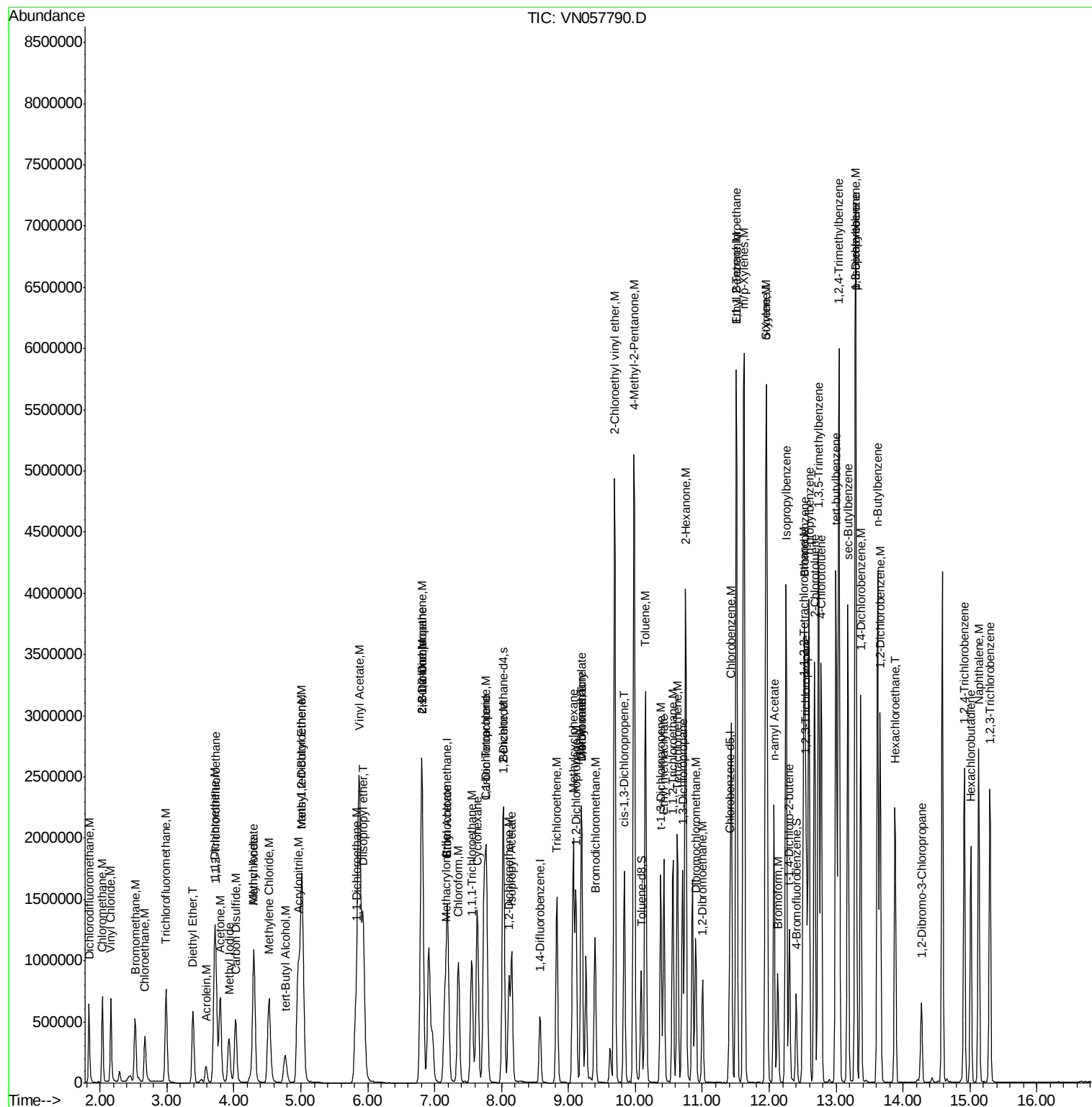
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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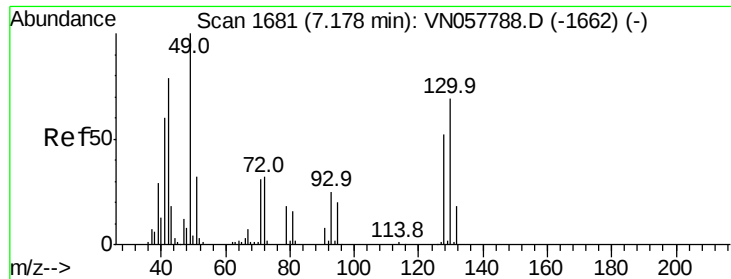
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Sep 09 11:52:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
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QLast Update : Mon Sep 09 11:48:16 2019
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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: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

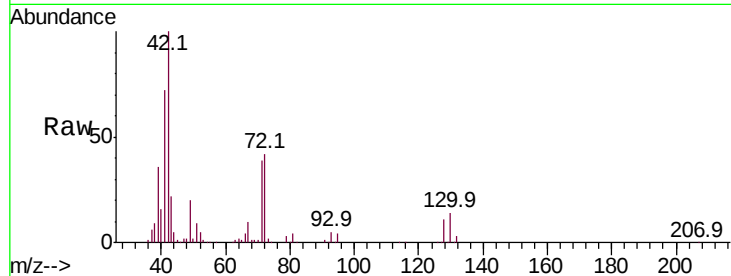
Tot Ion:128 Resp: 79790

Ion Ratio Lower Upper

128 100

49 195.2 0.0 486.5

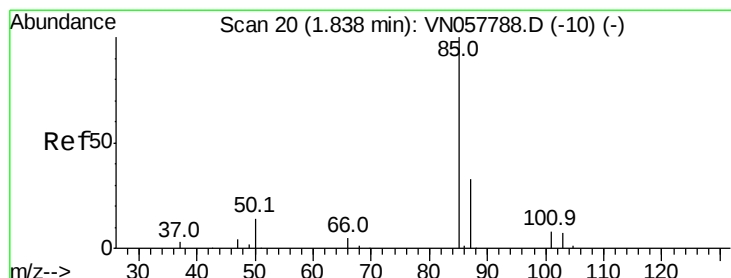
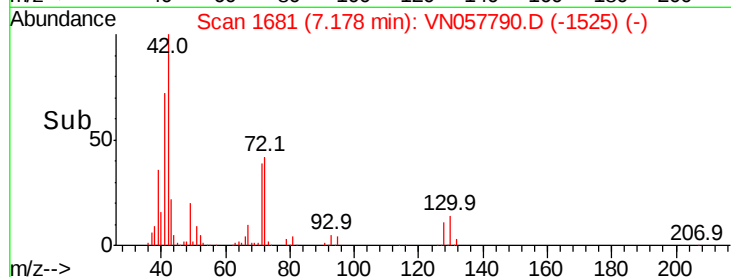
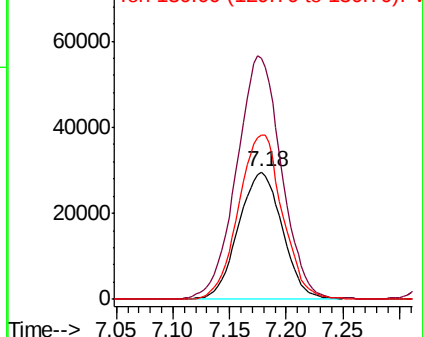
130 129.3 0.0 324.5



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: 101.406 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057790.D

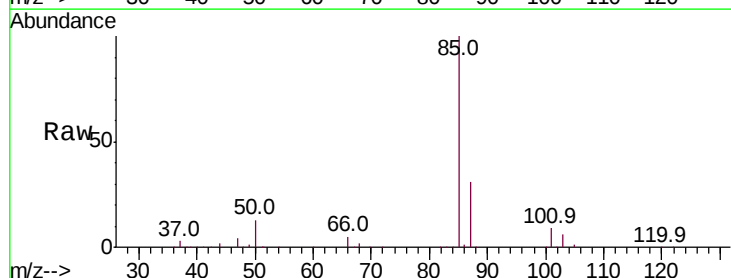
Acq: 9 Sep 2019 10:18

Tgt Ion: 85 Resp: 488862

Ion Ratio Lower Upper

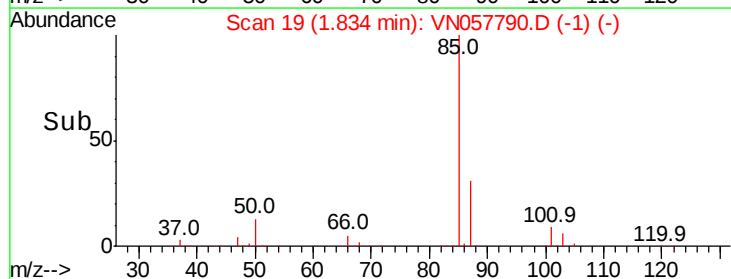
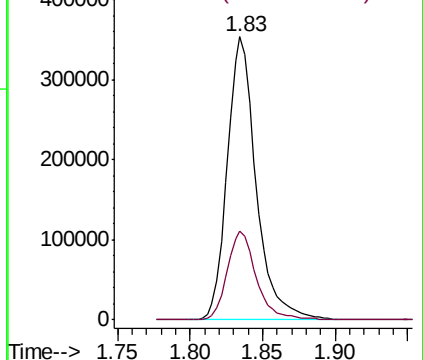
85 100

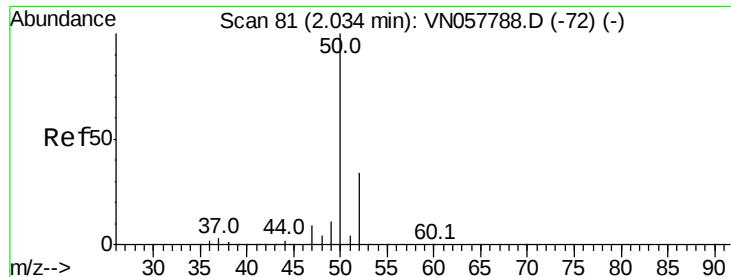
87 31.5 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 96.234 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

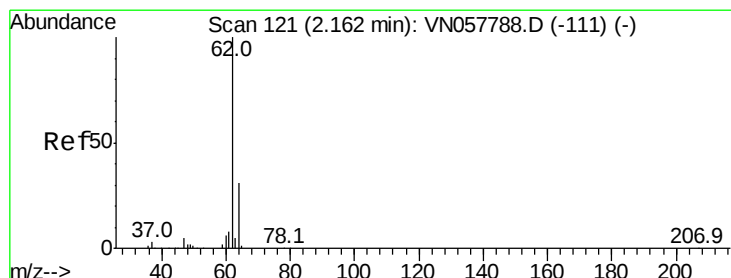
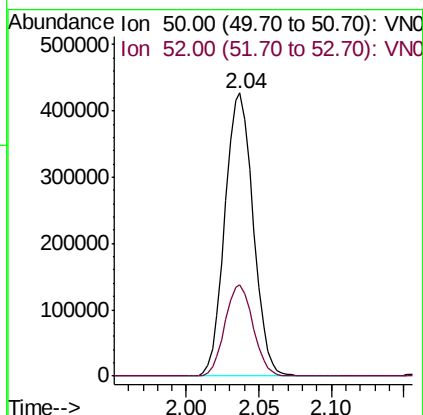
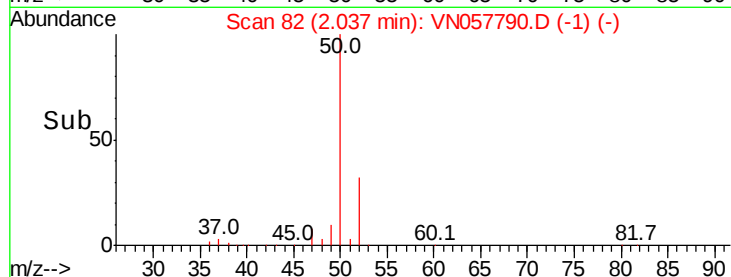
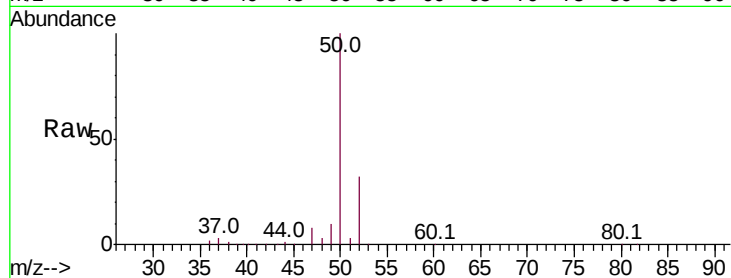
VSTDIC100

Tot Ion: 50 Resp: 578473

Ion Ratio Lower Upper

50 100

52 32.2 26.9 40.3



#4

Vinyl Chloride

Concen: 96.152 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057790.D

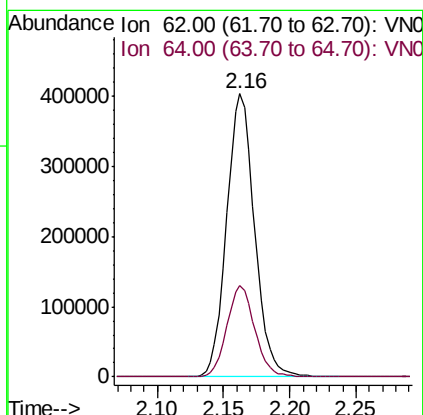
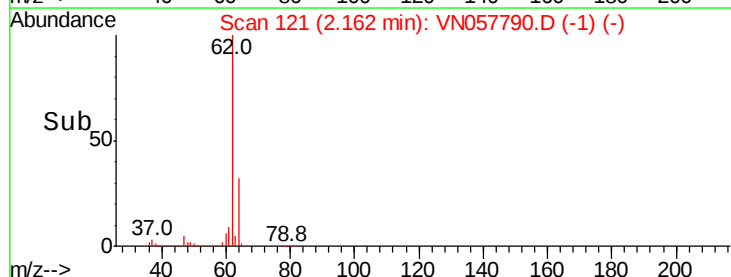
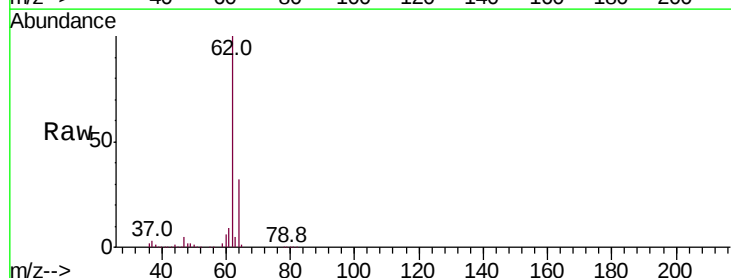
Acq: 9 Sep 2019 10:18

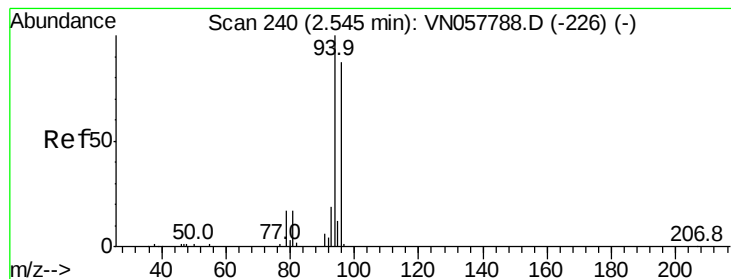
Tgt Ion: 62 Resp: 591357

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 93.615 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

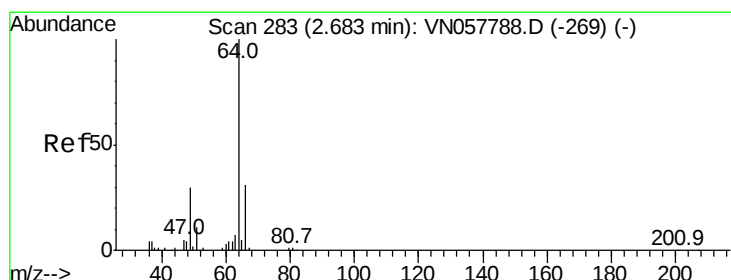
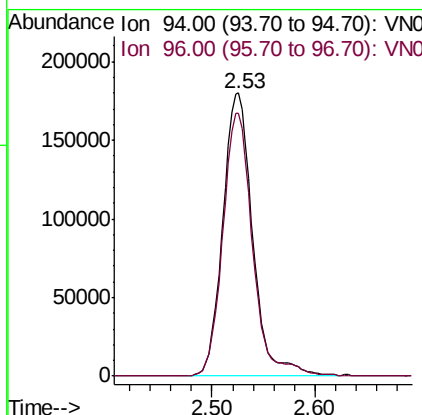
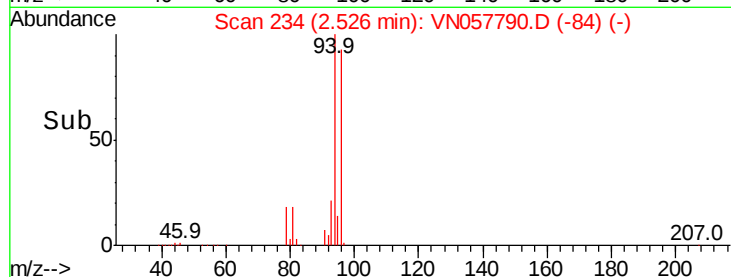
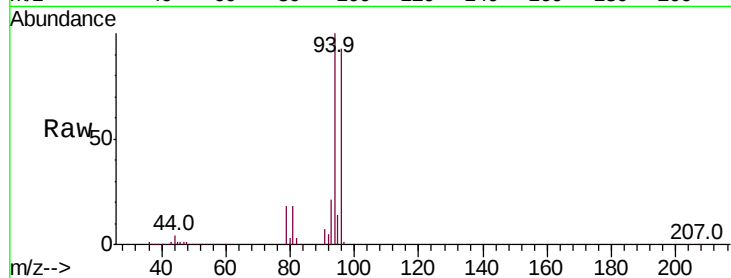
VSTDIC100

Tot Ion: 94 Resp: 360986

Ion Ratio Lower Upper

94 100

96 93.0 69.2 103.8



#6

Chloroethane

Concen: 94.163 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN057790.D

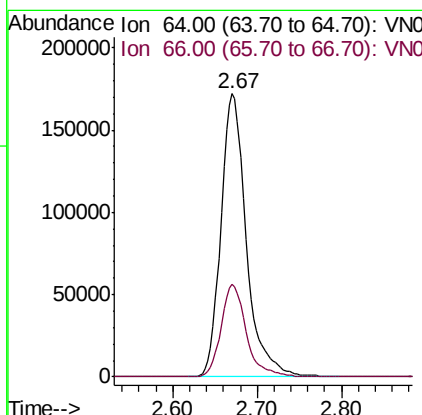
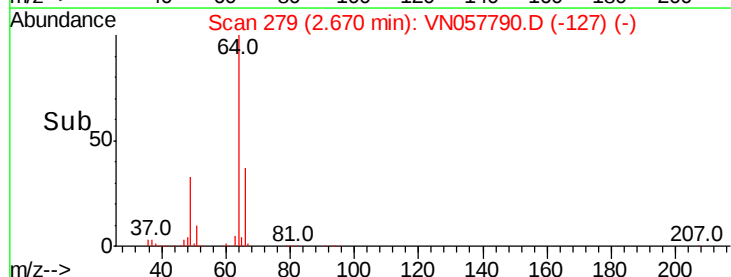
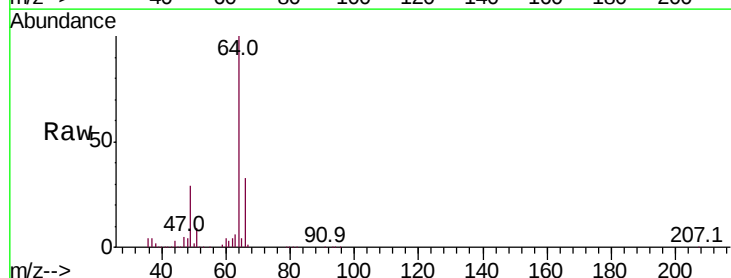
Acq: 9 Sep 2019 10:18

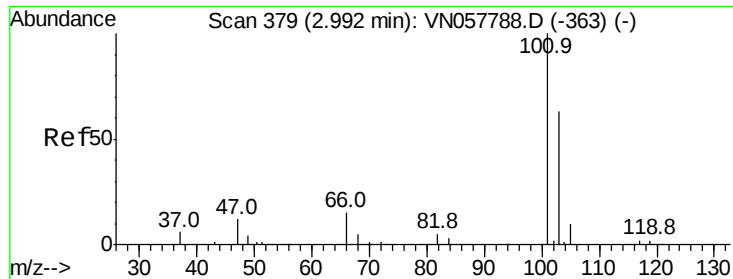
Tgt Ion: 64 Resp: 359911

Ion Ratio Lower Upper

64 100

66 32.6 24.4 36.6



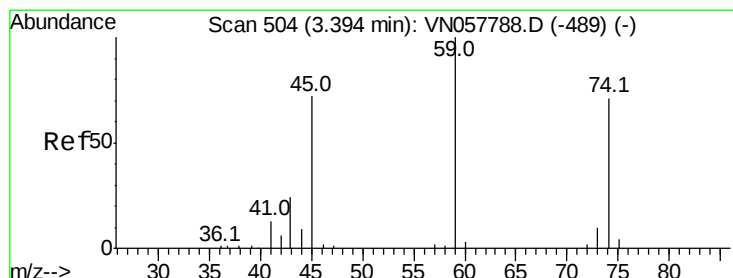
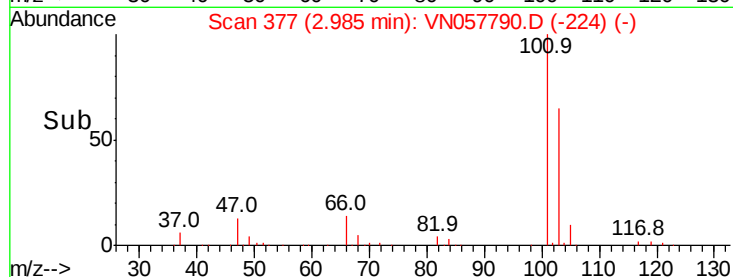
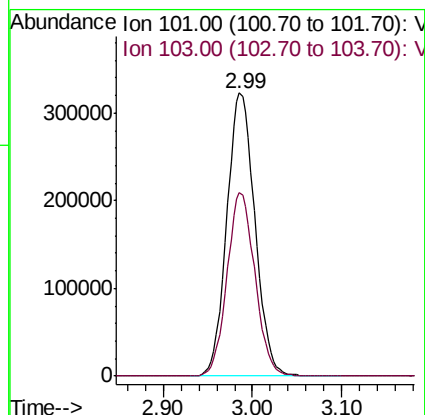
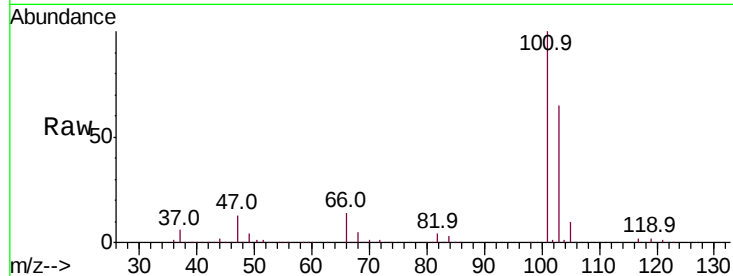


#7

Trichlorofluoromethane
 Concen: 99.116 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

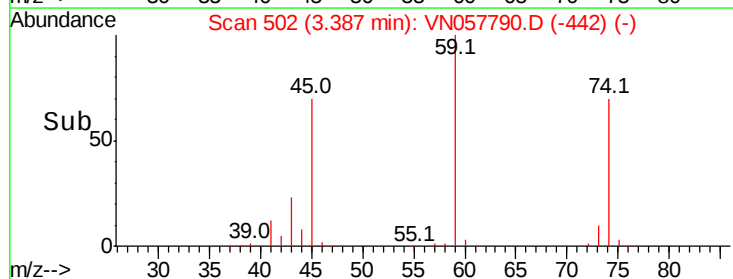
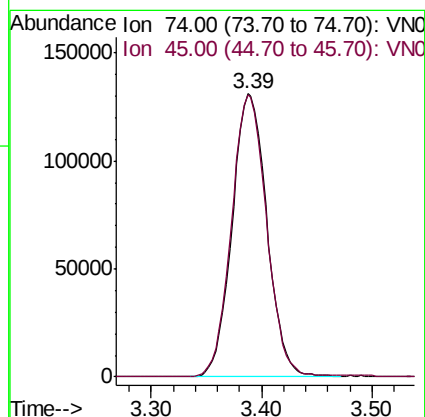
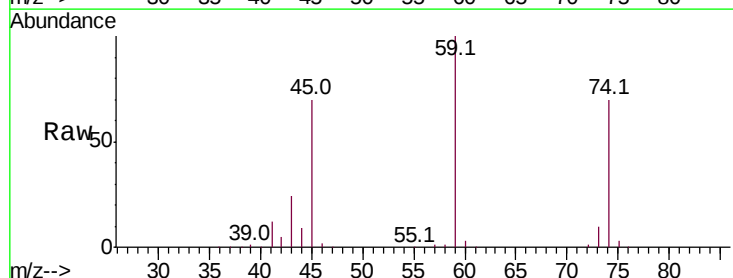
Tot Ion:101 Resp: 704263
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.2 75.2

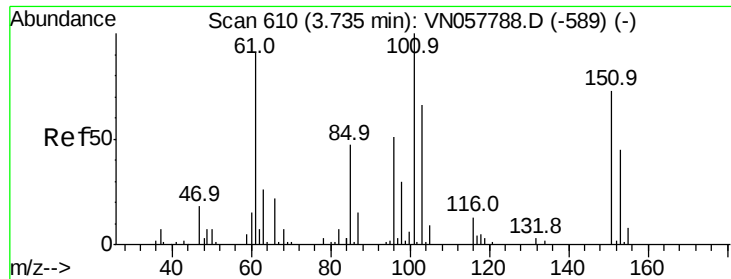


#8

Diethyl Ether
 Concen: 100.152 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 74 Resp: 287077
 Ion Ratio Lower Upper
 74 100
 45 99.9 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.037 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

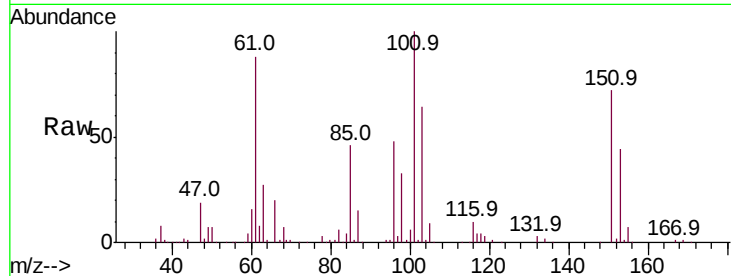
Tot Ion:101 Resp: 434974

Ion Ratio Lower Upper

101 100

85 45.6 0.0 94.0

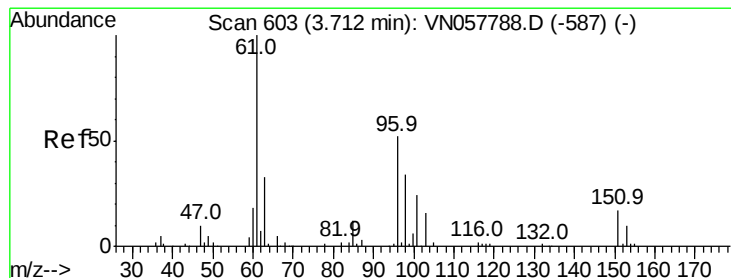
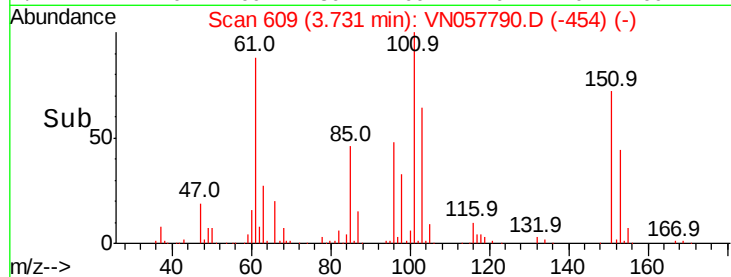
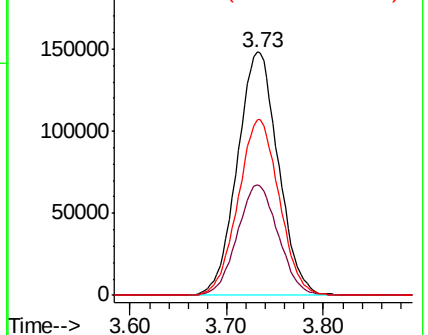
151 72.6 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

200000 Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 97.750 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

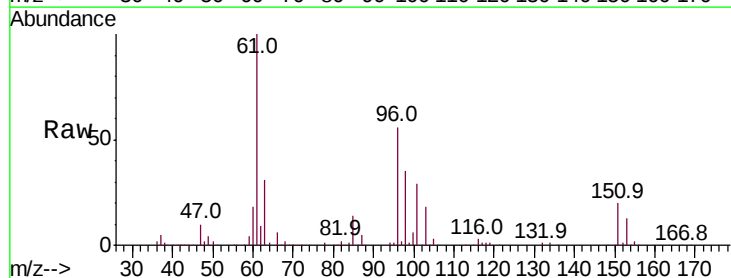
Tgt Ion: 96 Resp: 412414

Ion Ratio Lower Upper

96 100

61 178.8 153.4 230.0

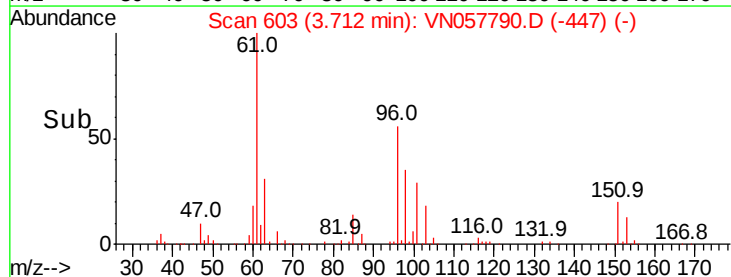
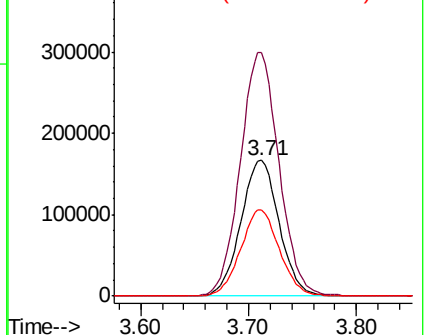
98 63.0 51.5 77.3

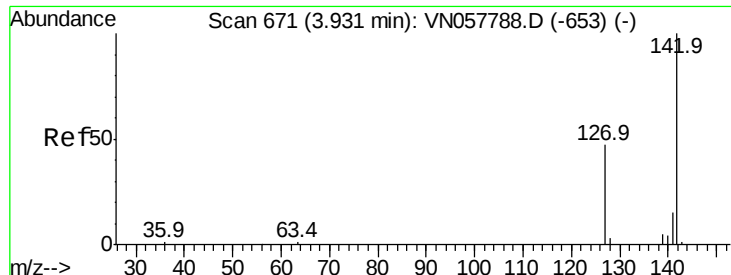


Abundance Ion 96.00 (95.70 to 96.70): VNO

400000 Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

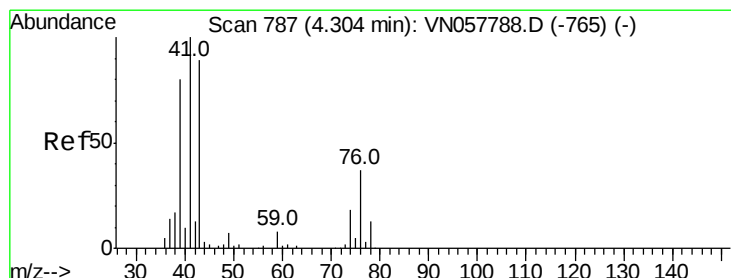
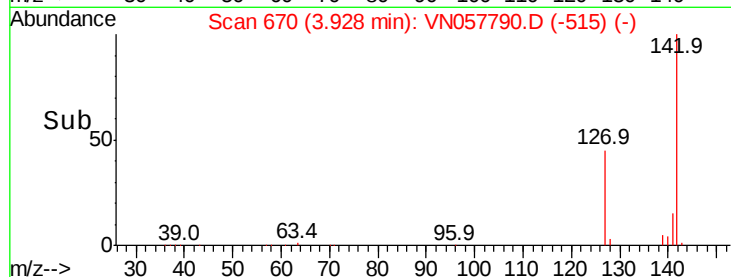
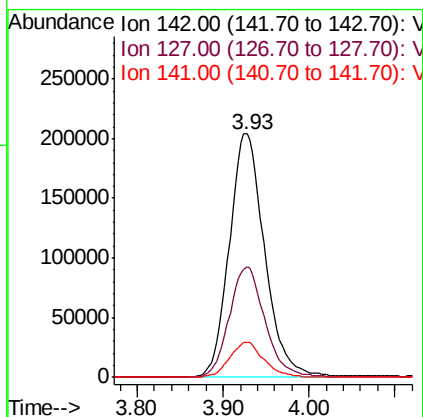
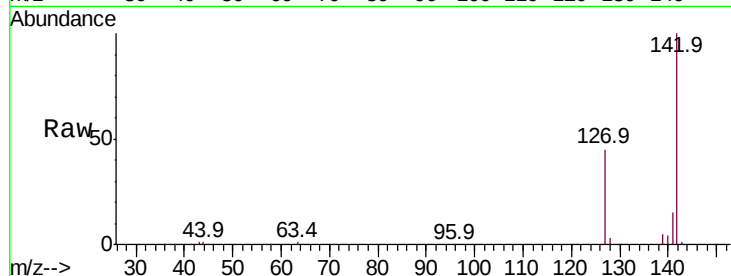




#11
Methvl Iodide
Concen: 103.390 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

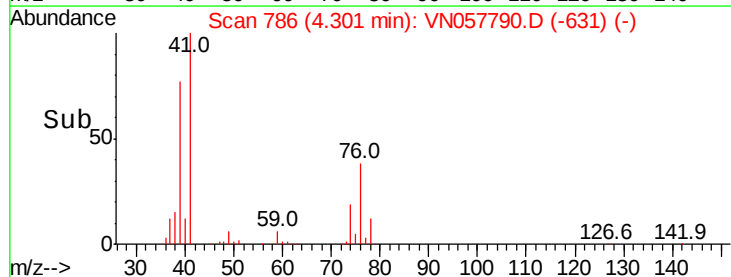
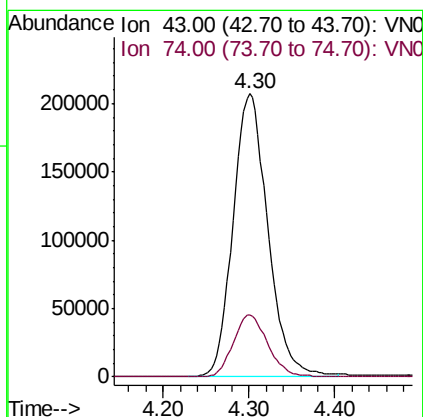
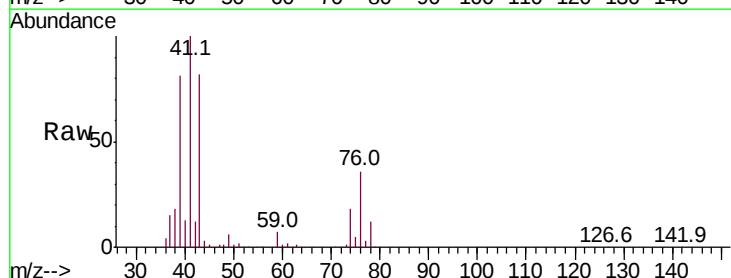
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

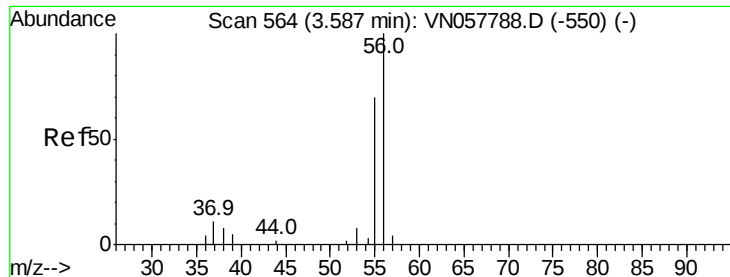
Tot Ion:142 Resp: 583613
Ion Ratio Lower Upper
142 100
127 45.3 23.3 69.8
141 14.6 7.5 22.6



#12
Methyl Acetate
Concen: 99.991 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 43 Resp: 579729
Ion Ratio Lower Upper
43 100
74 22.1 16.2 24.4





#13

Acrolein

Concen: 455.762 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

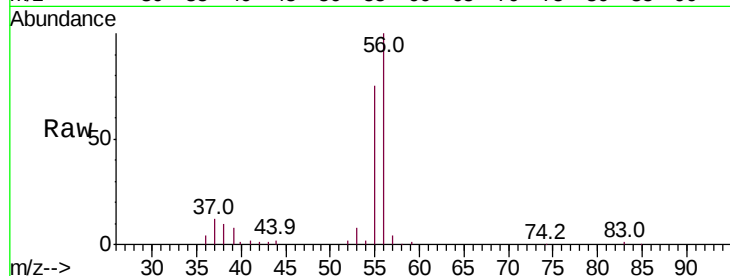
VSTDIC100

Tot Ion: 56 Resp: 143176

Ion Ratio Lower Upper

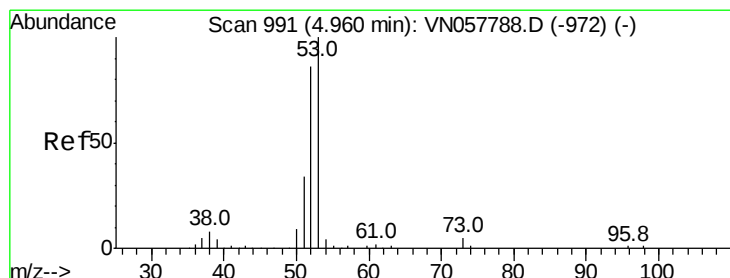
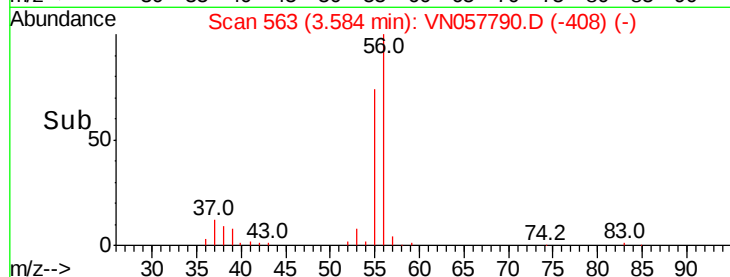
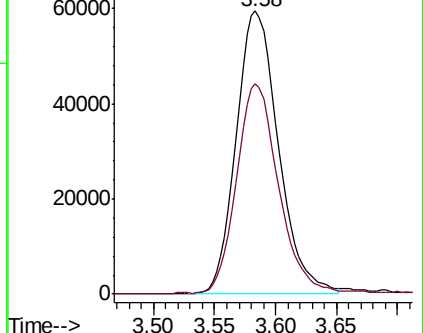
56 100

55 72.7 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN057788.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN057788.D (-550) (-)



#14

Acrylonitrile

Concen: 514.133 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

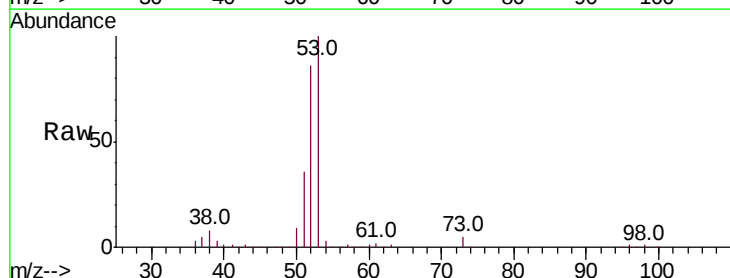
Tgt Ion: 53 Resp: 1213523

Ion Ratio Lower Upper

53 100

52 83.5 41.0 123.0

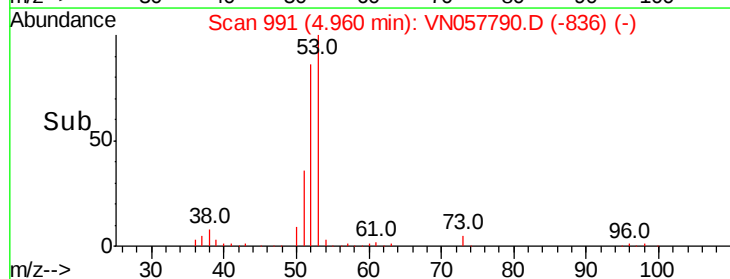
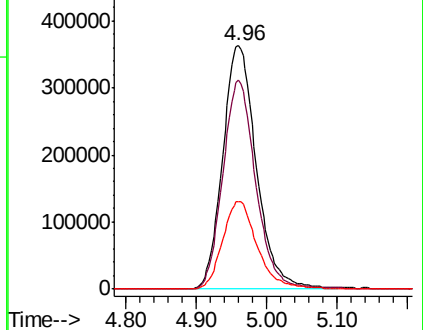
51 37.1 8.6 25.8#

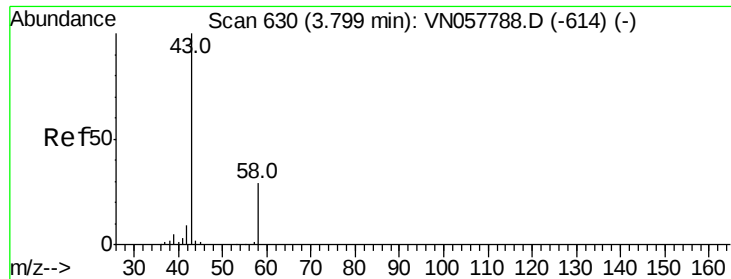


Abundance Ion 53.00 (52.70 to 53.70): VN057788.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN057788.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN057788.D (-972) (-)





#15

Acetone

Concen: 488.806 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

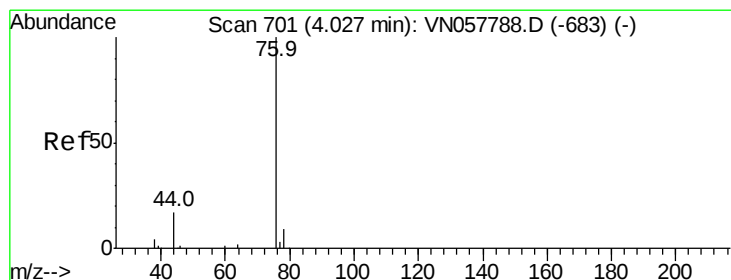
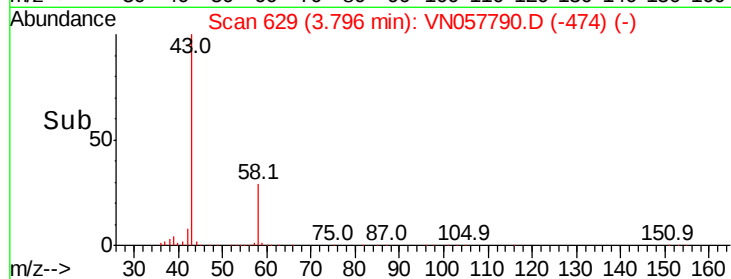
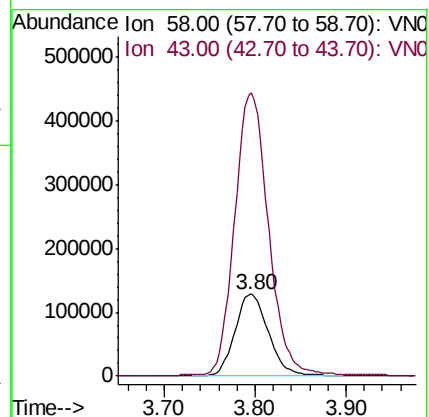
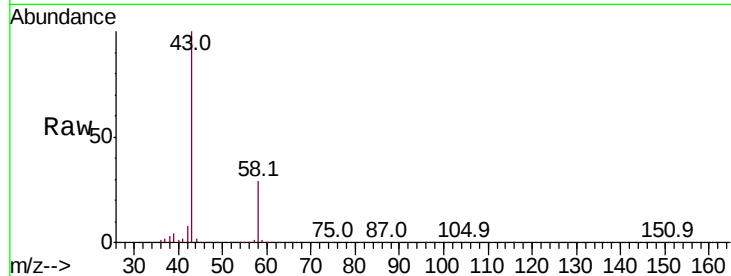
VSTDIC100

Tot Ion: 58 Resp: 327546

Ion Ratio Lower Upper

58 100

43 344.2 277.7 416.5



#16

Carbon Disulfide

Concen: 101.972 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057790.D

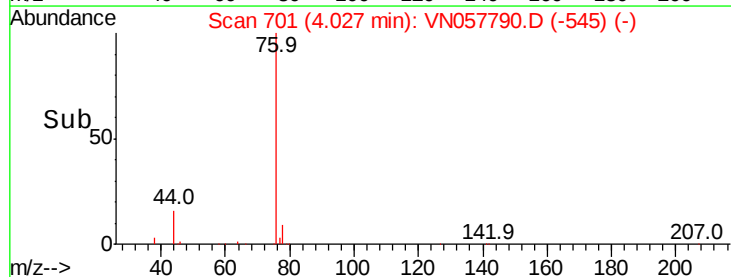
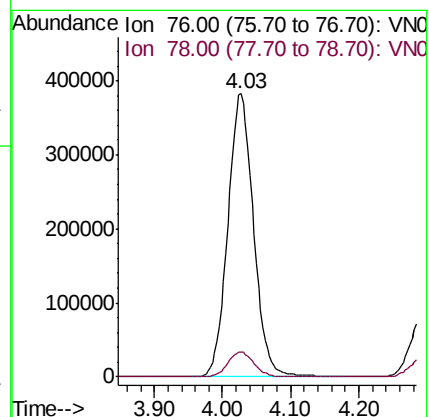
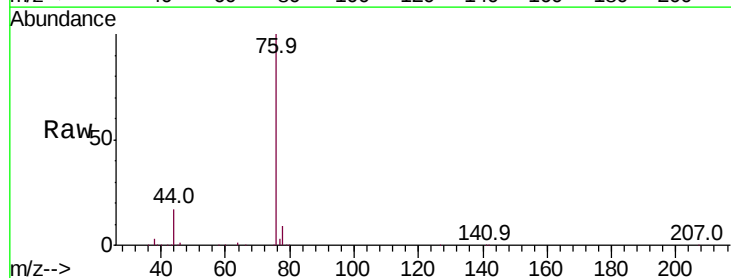
Acq: 9 Sep 2019 10:18

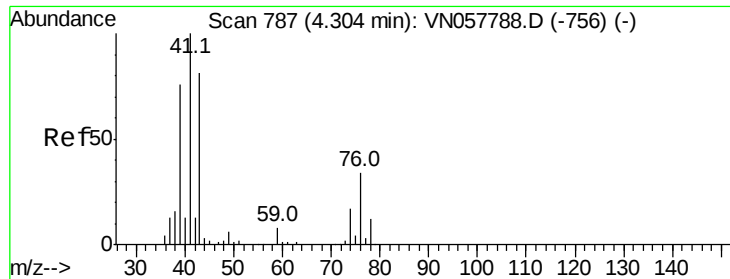
Tgt Ion: 76 Resp: 1001828

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#17

Allvl chloride

Concen: 103.061 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

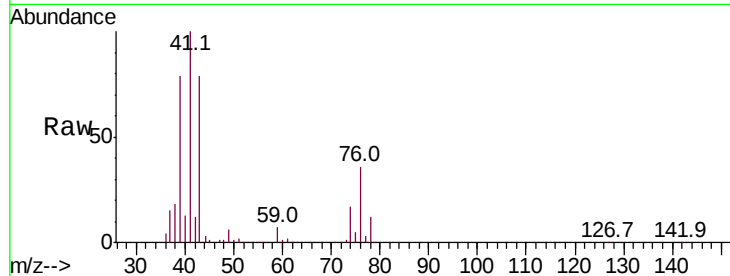
Tot Ion: 41 Resp: 796762

Ion Ratio Lower Upper

41 100

39 78.9 38.5 115.3

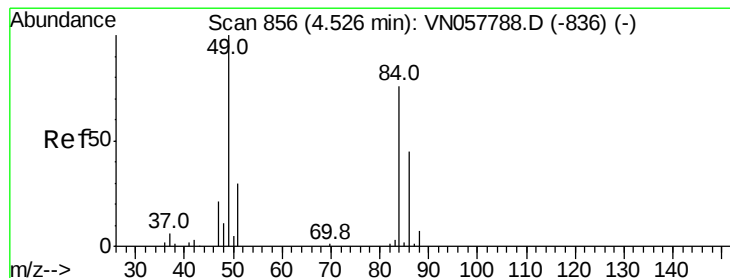
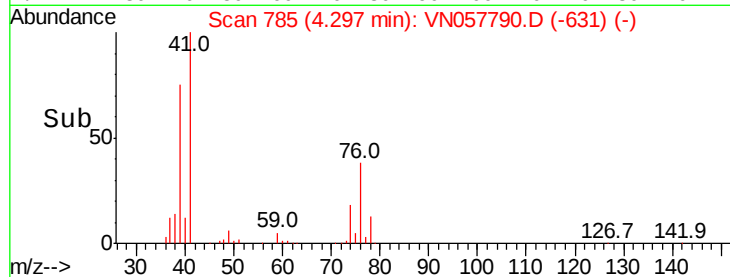
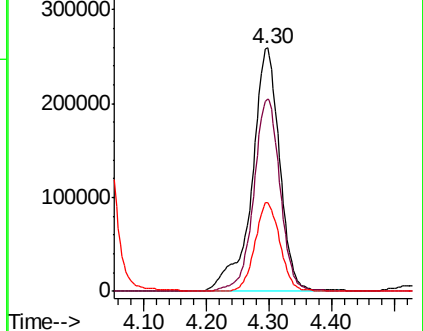
76 36.2 17.2 51.6



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 95.833 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion: 84 Resp: 509512

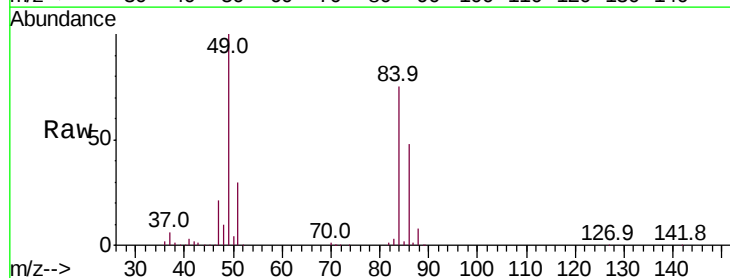
Ion Ratio Lower Upper

84 100

49 132.6 105.4 158.2

51 39.6 31.3 46.9

86 63.2 47.3 70.9

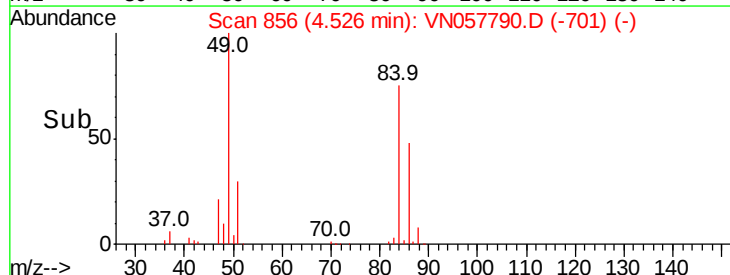
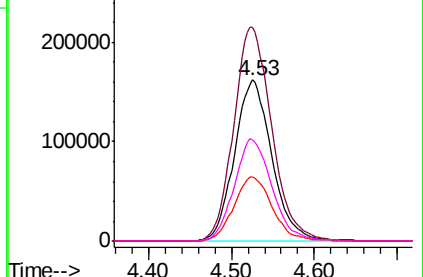


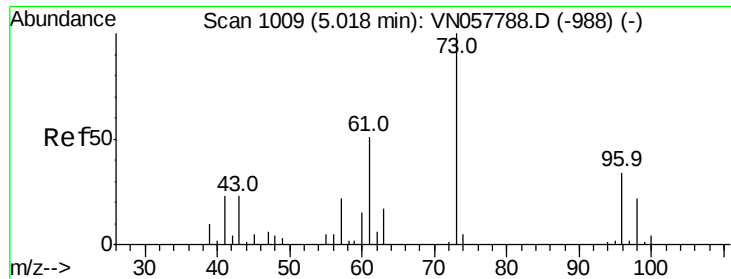
Abundance Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

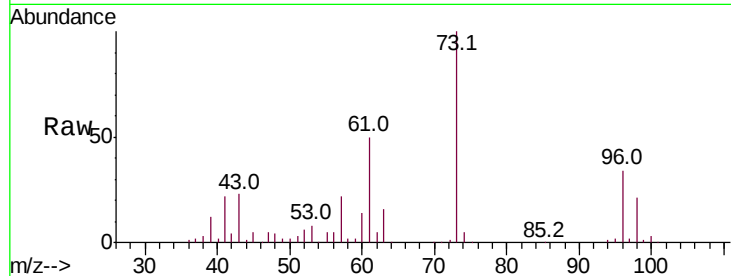




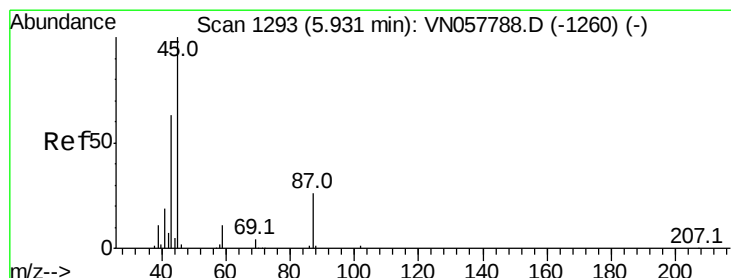
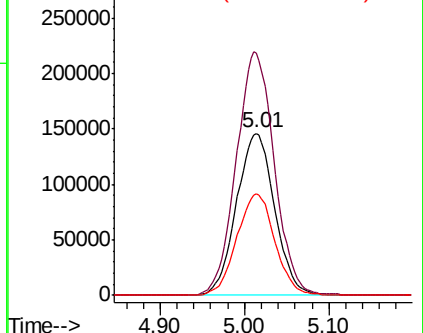
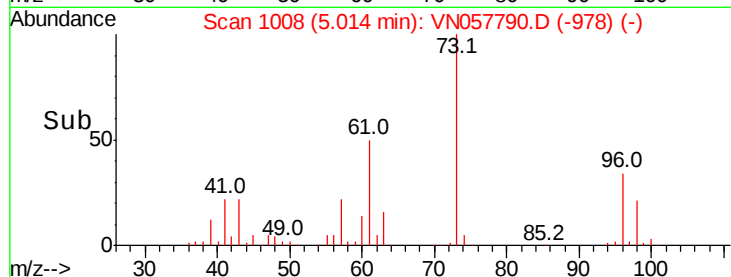
#19
trans-1,2-Dichloroethene
Concen: 97.667 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 459257
Ion Ratio Lower Upper
96 100
61 149.5 121.0 181.6
98 62.9 52.7 79.1

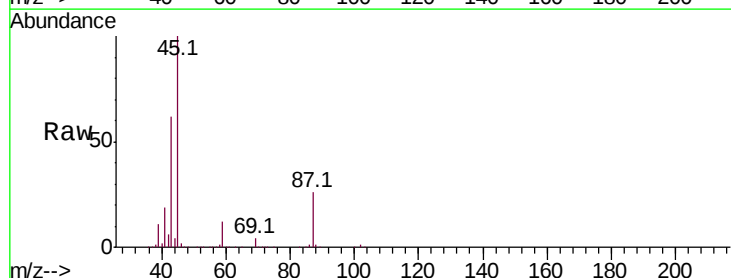


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

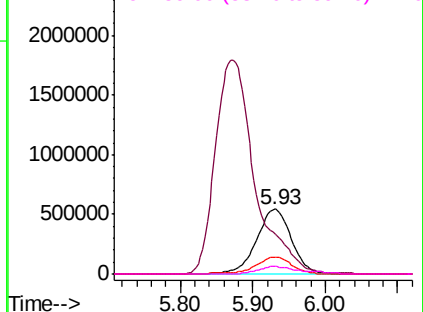
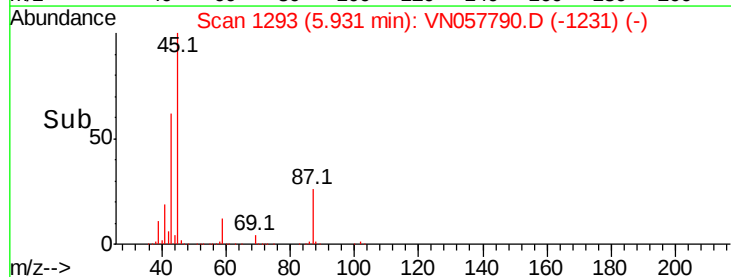


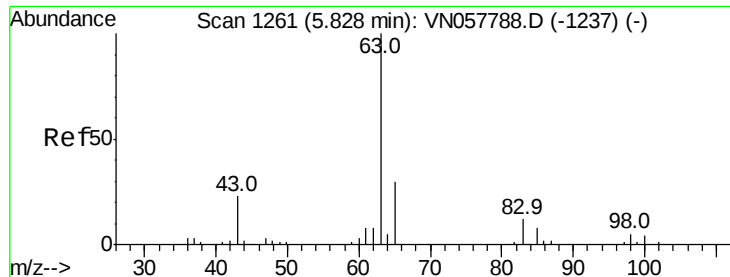
#20
Diisopropyl ether
Concen: 100.809 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 45 Resp: 1822000
Ion Ratio Lower Upper
45 100
43 60.3 55.2 82.8
87 26.2 21.3 31.9
59 11.3 9.1 13.7



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





#21

1,1-Dichloroethane

Concen: 98.854 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

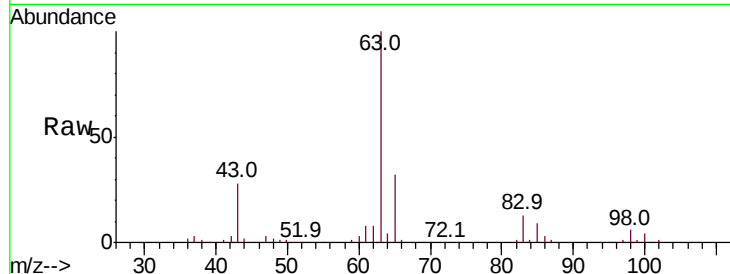
Tot Ion: 63 Resp: 985157

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

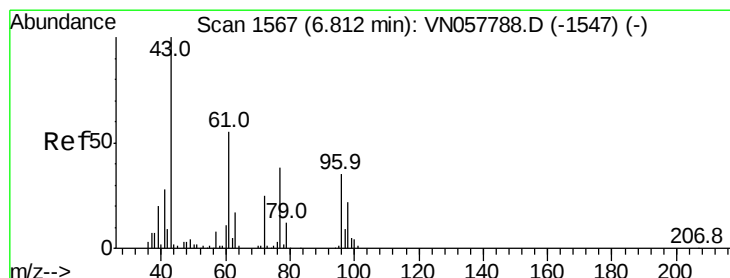
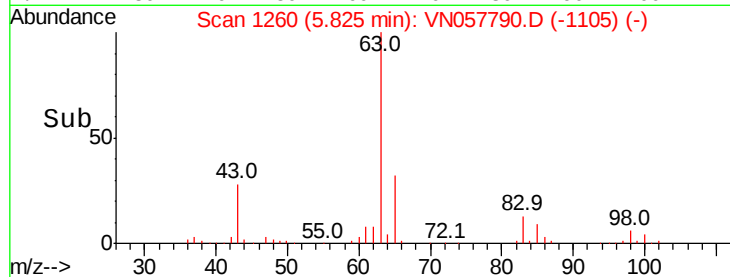
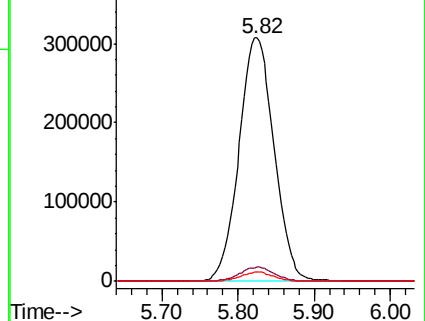
100 4.0 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-1237) (-)



#22

cis-1,2-Dichloroethene

Concen: 99.029 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

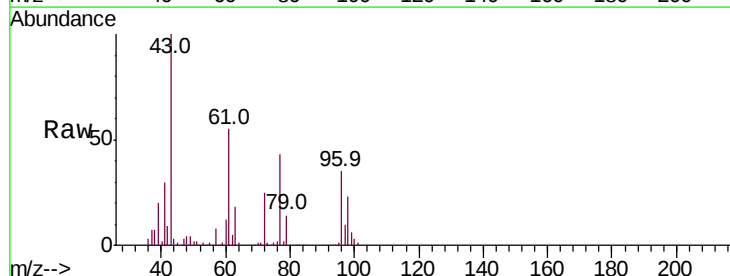
Tgt Ion: 96 Resp: 570555

Ion Ratio Lower Upper

96 100

61 159.3 127.4 191.0

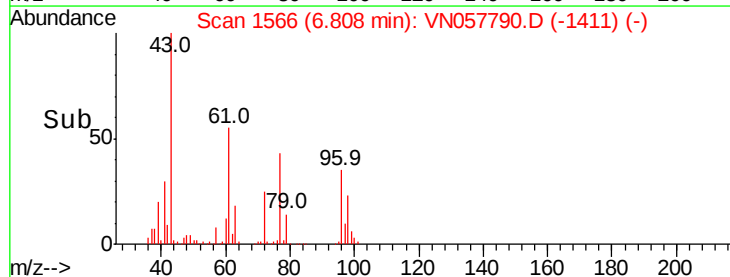
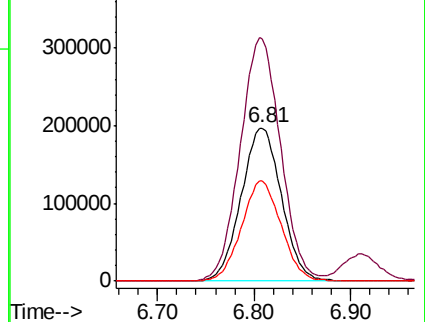
98 64.5 51.5 77.3

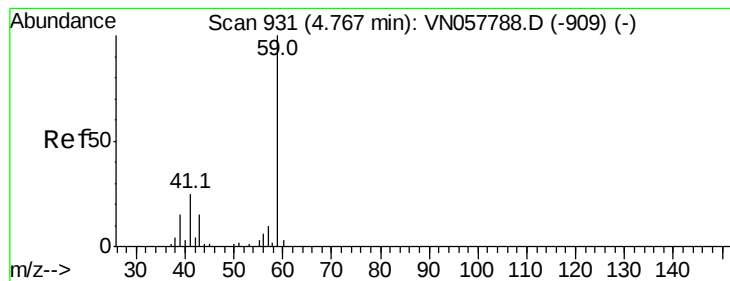


Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057788.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1547) (-)



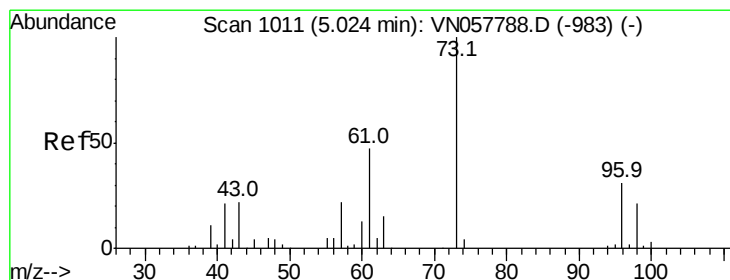
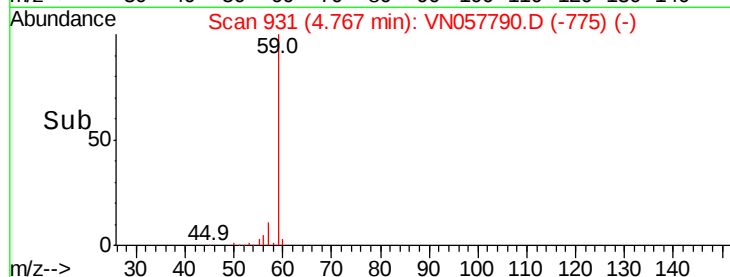
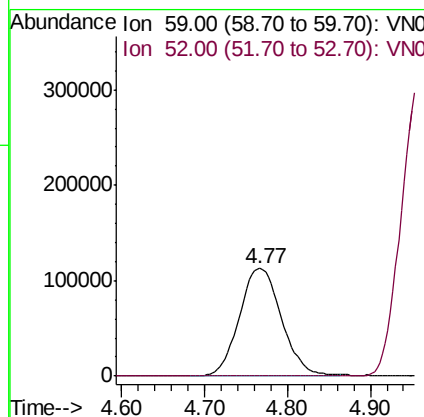
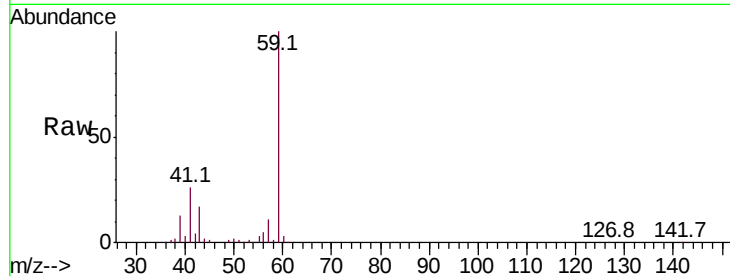


#23

tert-Butyl Alcohol
Concen: 519.278 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

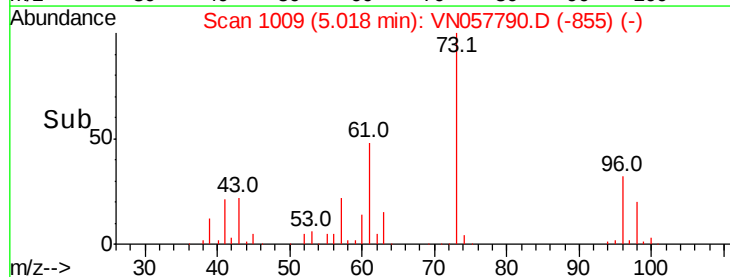
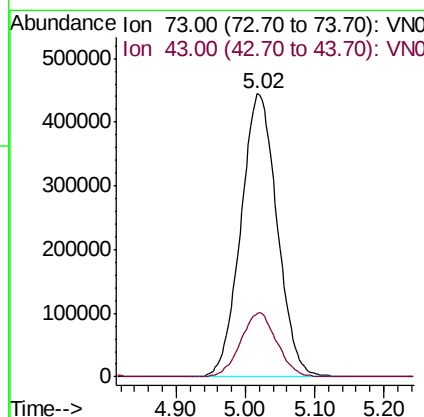
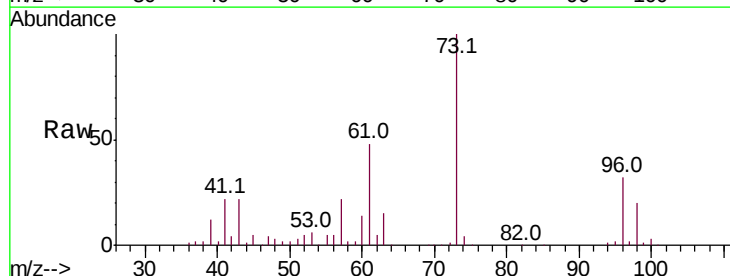
Tot Ion: 59 Resp: 400129
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0#

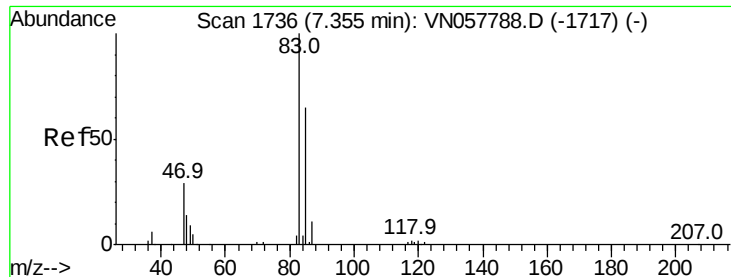


#24

Methyl tert-Butyl Ether
Concen: 99.952 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 73 Resp: 1616131
Ion Ratio Lower Upper
73 100
43 22.4 0.0 0.0#





#25

Chloroform

Concen: 98.602 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

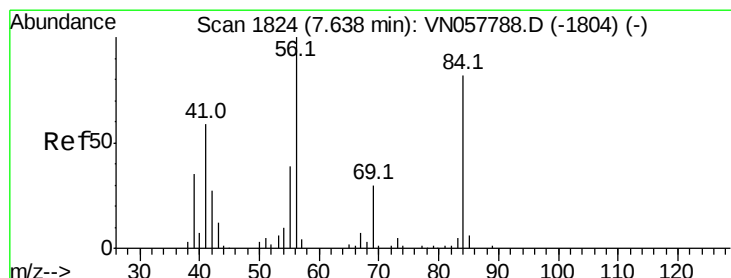
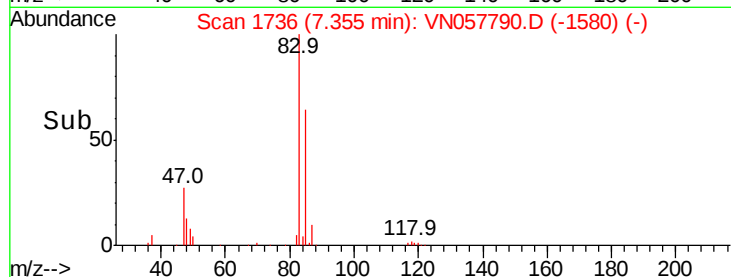
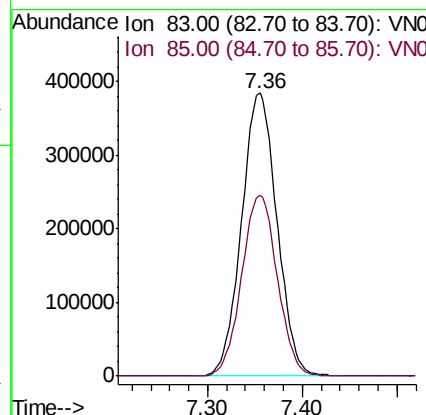
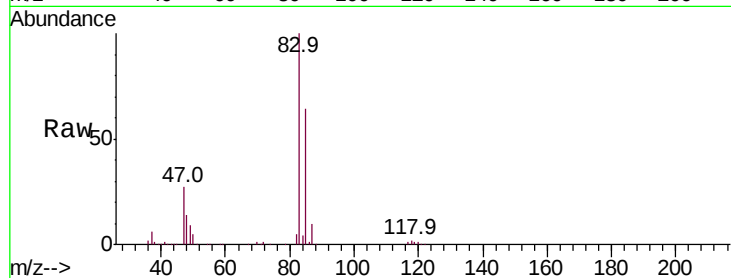
VSTDIC100

Tot Ion: 83 Resp: 1000409

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.6



#26

Cyclohexane

Concen: 99.886 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

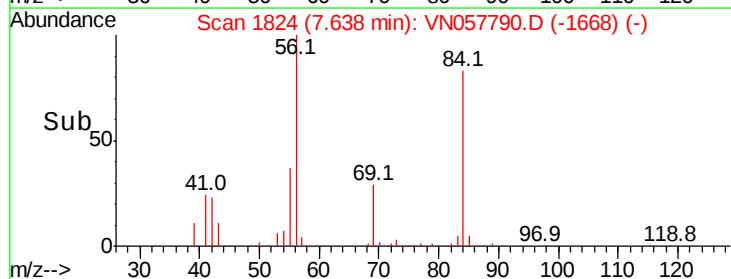
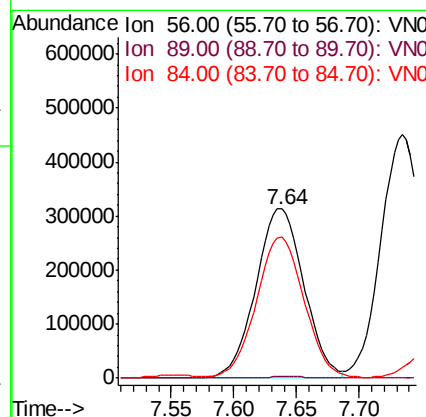
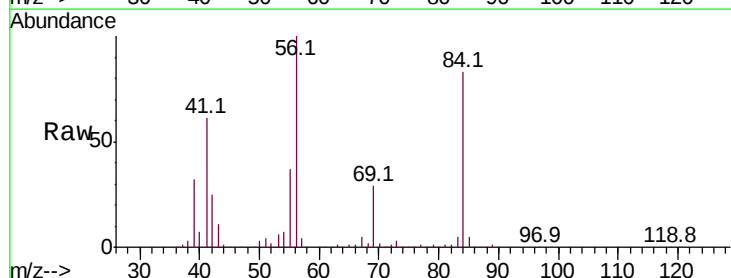
Tgt Ion: 56 Resp: 836383

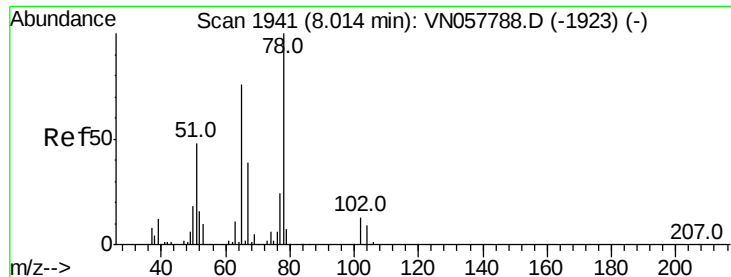
Ion Ratio Lower Upper

56 100

89 0.8 0.3 0.5#

84 83.1 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 29.417 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

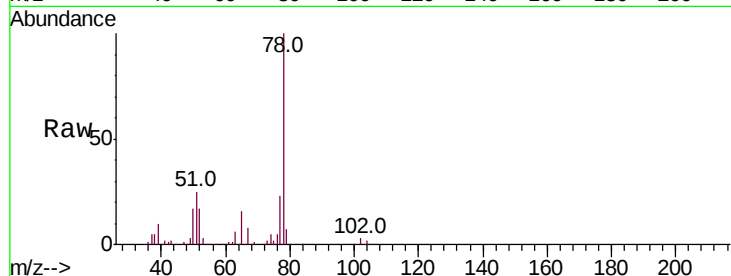
VSTDIC100

Tot Ion: 65 Resp: 207620

Ion Ratio Lower Upper

65 100

67 51.0 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN057788.D (-1923) (-)

Ion 67.00 (66.70 to 67.70): VN057788.D (-1923) (-)

8.01

100000

80000

60000

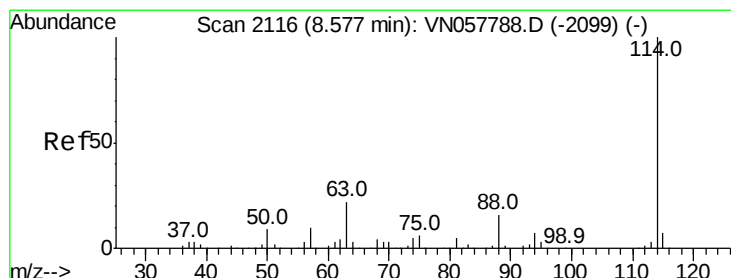
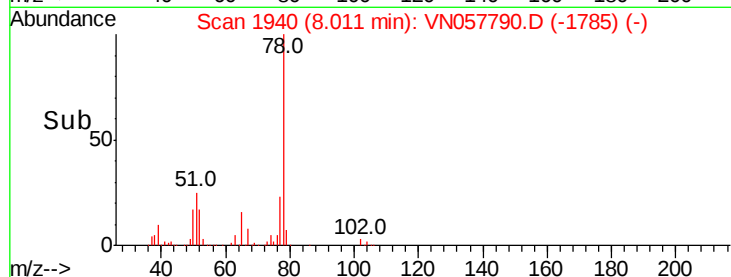
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

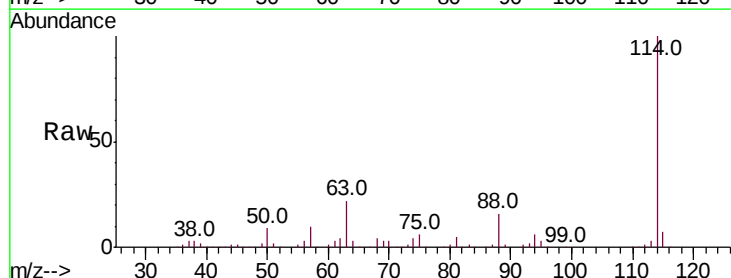
Tgt Ion: 114 Resp: 467710

Ion Ratio Lower Upper

114 100

63 22.4 18.0 27.0

88 15.8 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): VN057788.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057788.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057788.D (-2099) (-)

8.57

300000

250000

200000

150000

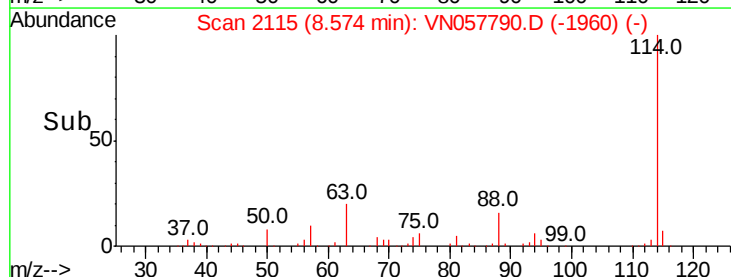
100000

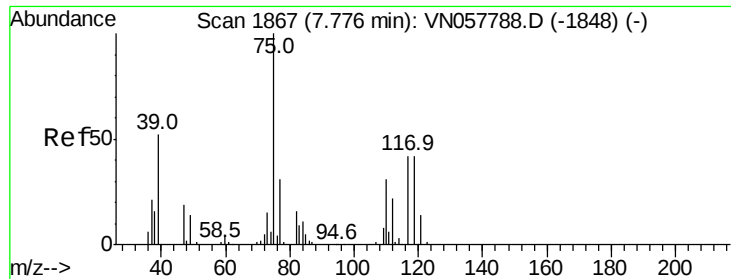
50000

0

8.50 8.55 8.60 8.65

Time-->

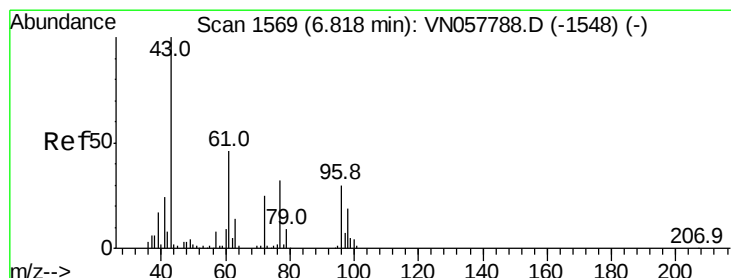
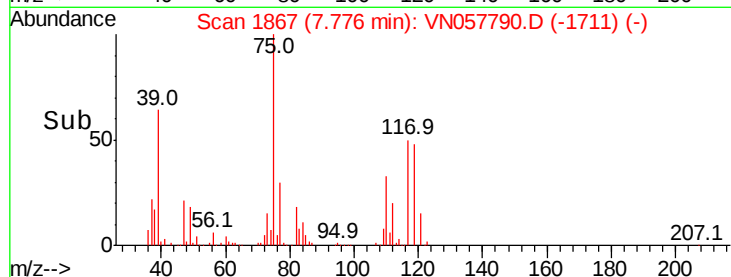
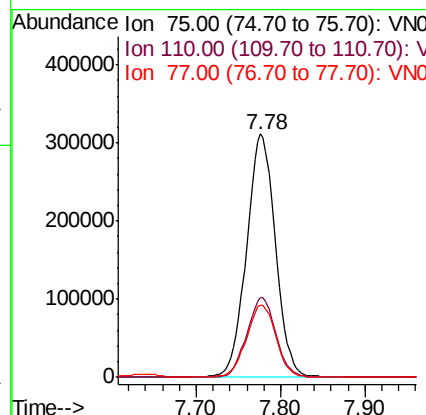
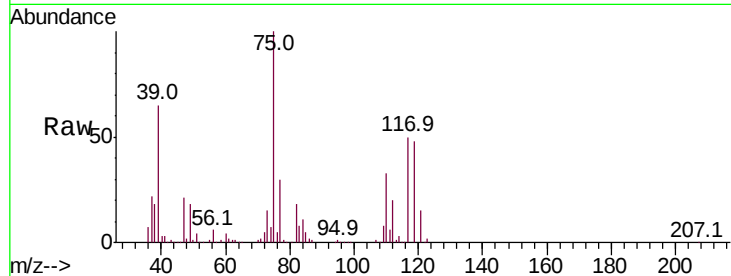




#29
 1,1-Dichloropropene
 Concen: 100.815 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

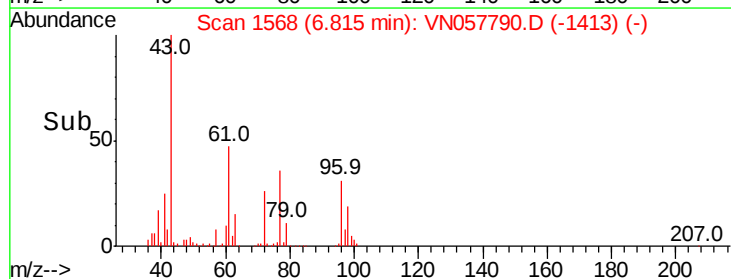
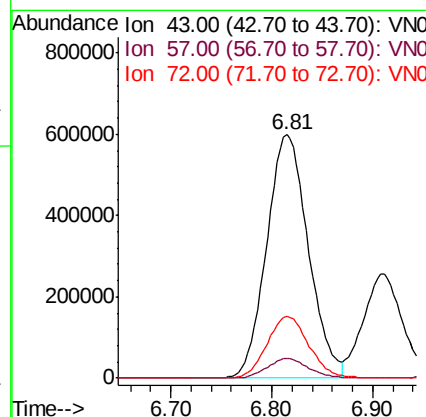
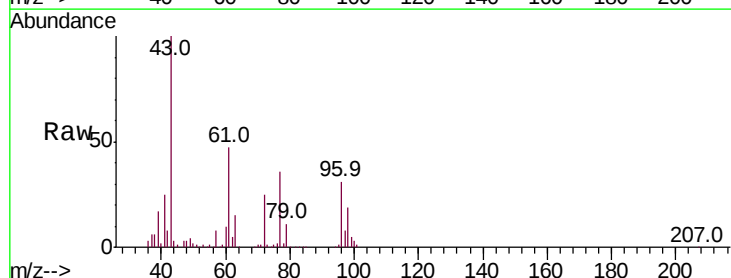
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

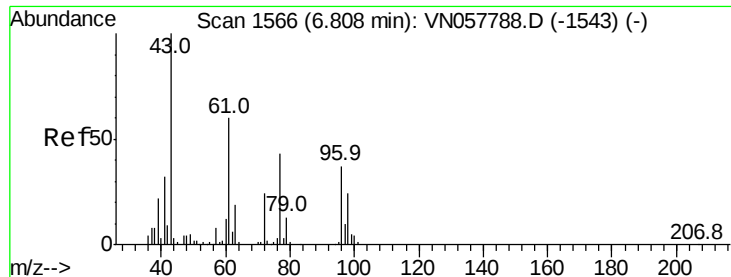
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.9	0.0	63.8
77	30.6	0.0	60.0



#30
 2-Butanone
 Concen: 517.750 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.4	9.6
72	25.6	20.3	30.5

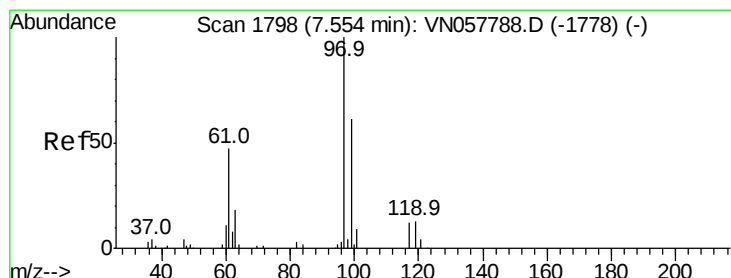
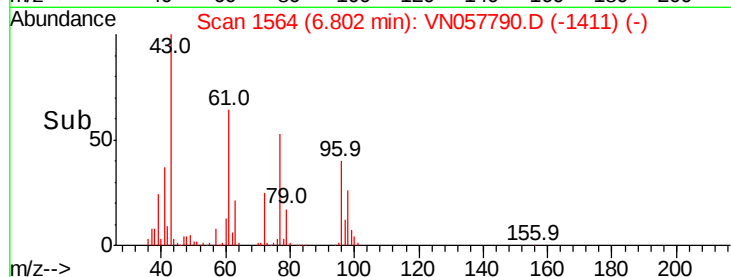
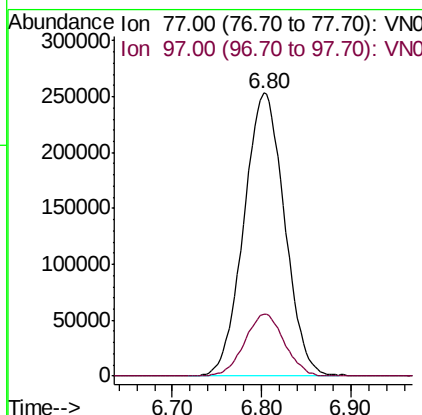
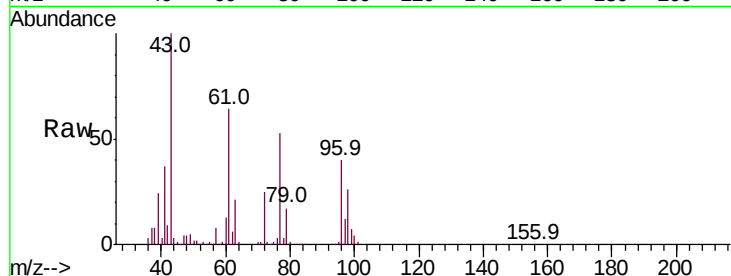




#31
 2,2-Dichloropropane
 Concen: 103.664 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

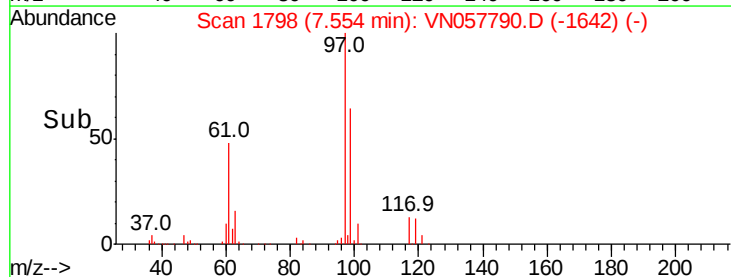
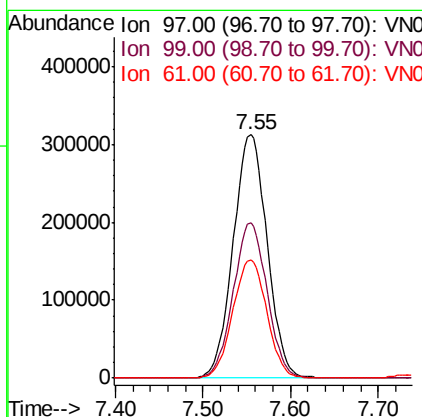
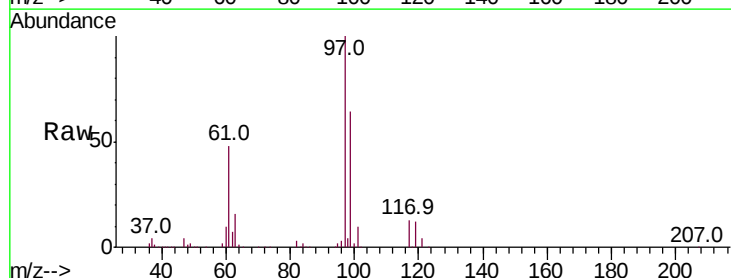
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

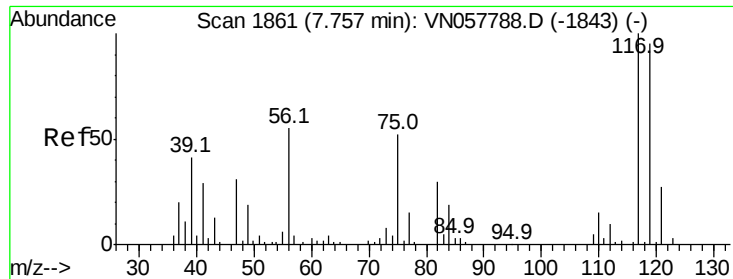
Tot Ion: 77 Resp: 805282
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.7 26.5



#32
 1,1,1-Trichloroethane
 Concen: 101.916 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 97 Resp: 843104
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.8 74.8
 61 48.7 38.7 58.1

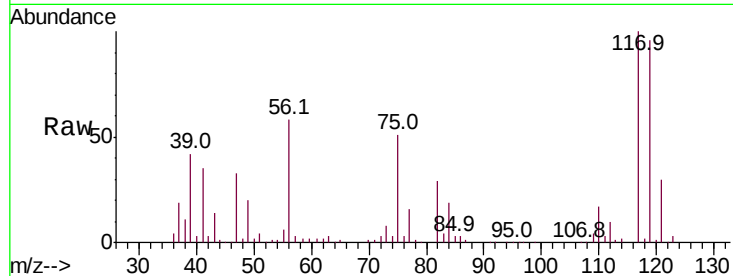




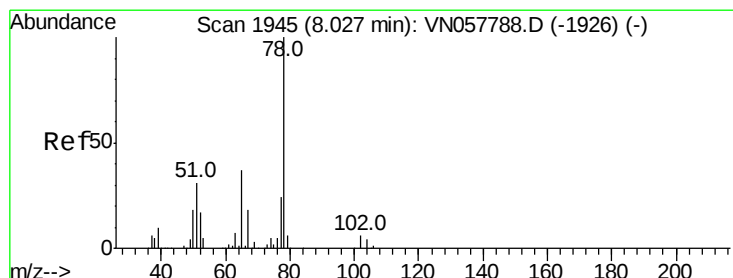
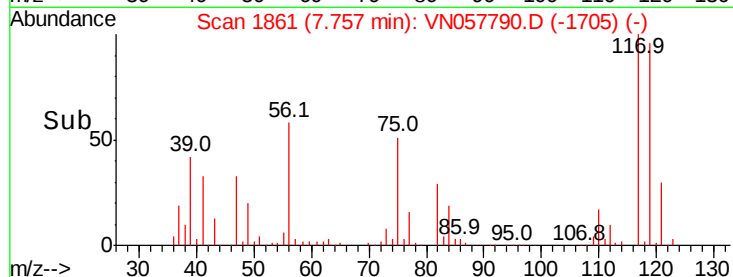
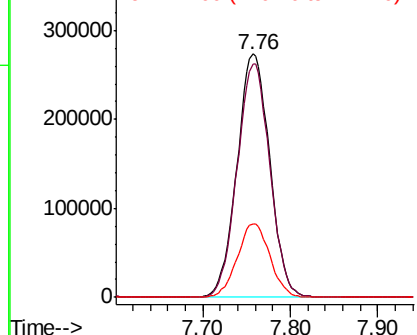
#33
Carbon Tetrachloride
Concen: 105.211 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 710011
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5
121 30.4 21.7 32.5

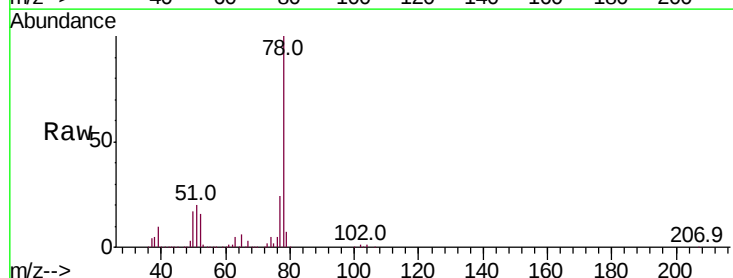


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

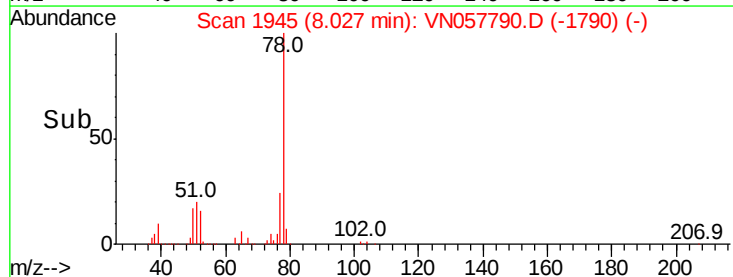
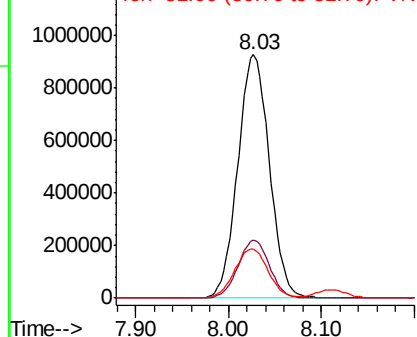


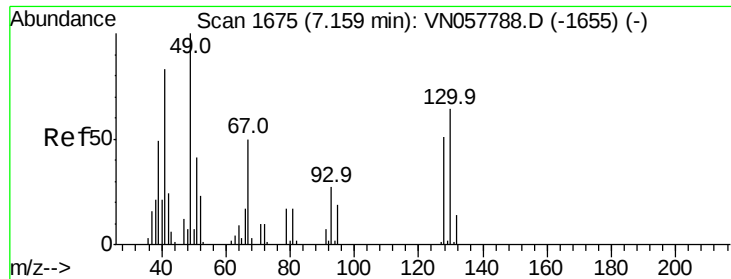
#34
Benzene
Concen: 100.492 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 78 Resp: 2190870
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8
51 19.9 24.9 37.3#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

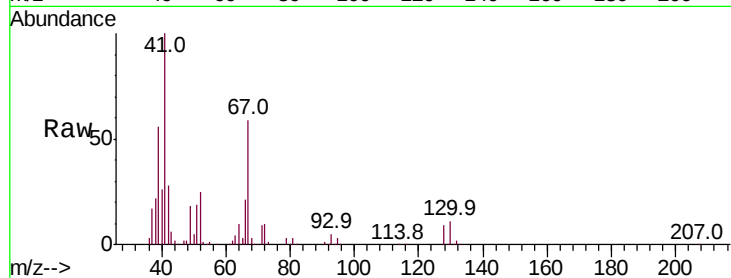




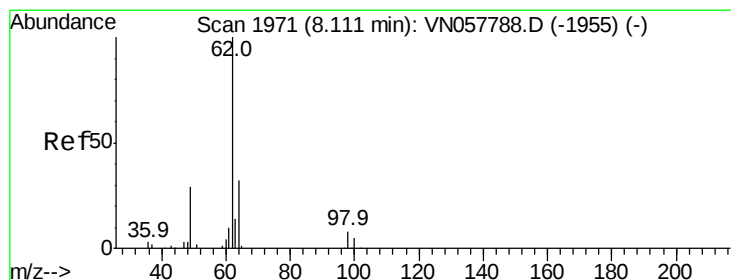
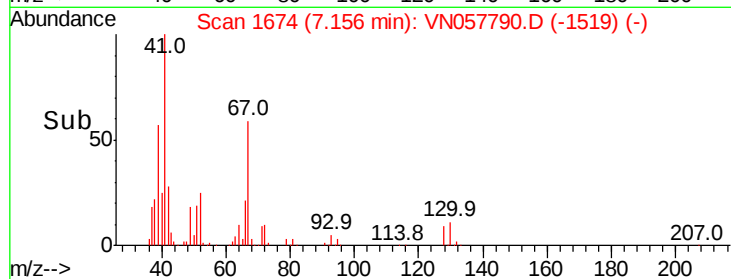
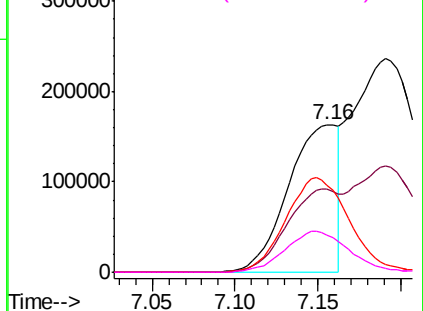
#35
Methacrylonitrile
Concen: 112.250 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	339282
Ion	Ratio	Lower	Upper
41	100		
39	56.4	29.8	89.5
67	59.2	30.0	90.1
52	25.1	13.9	41.6

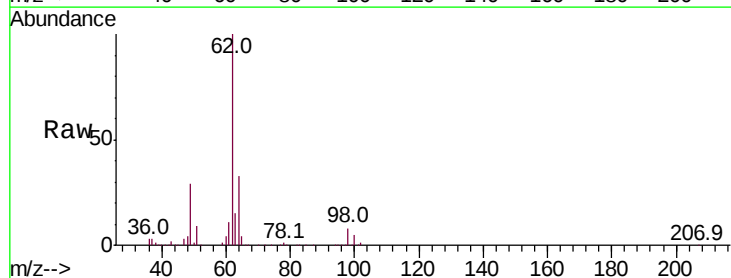


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

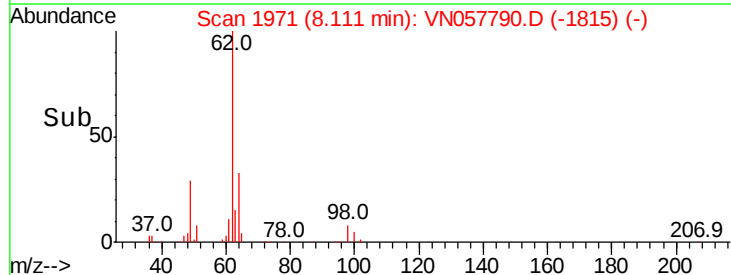
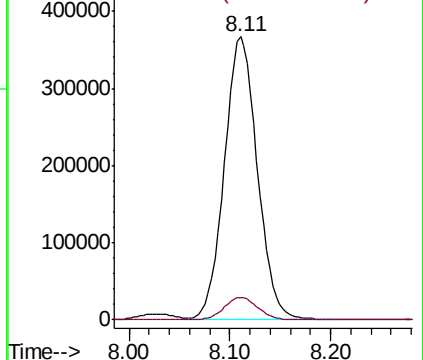


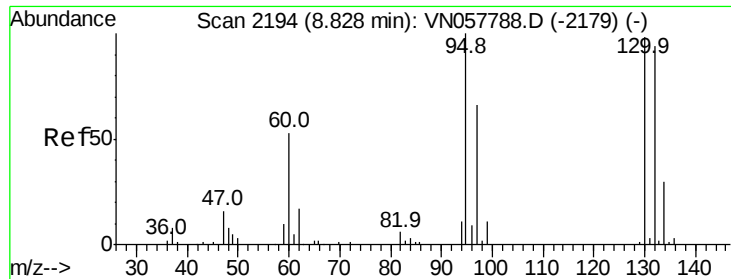
#36
1,2-Dichloroethane
Concen: 99.014 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion:	62	Resp:	837667
Ion	Ratio	Lower	Upper
62	100		
98	8.2	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: 100.470 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

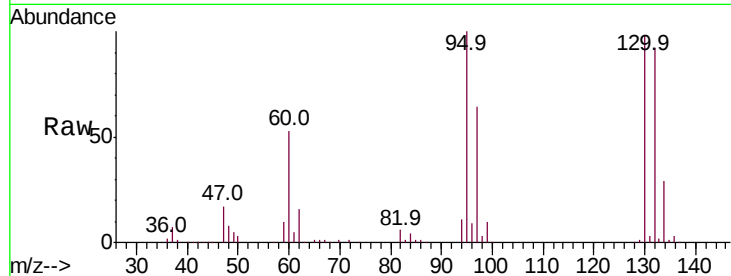
VSTDIC100

Tot Ion:130 Resp: 532001

Ion Ratio Lower Upper

130 100

95 102.4 81.9 122.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

250000

200000

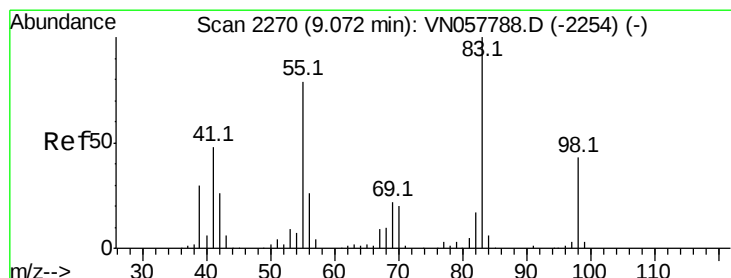
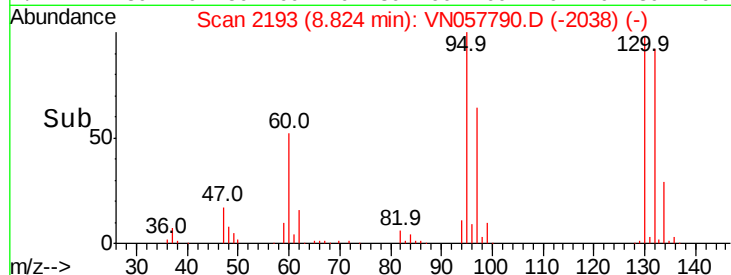
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 102.015 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

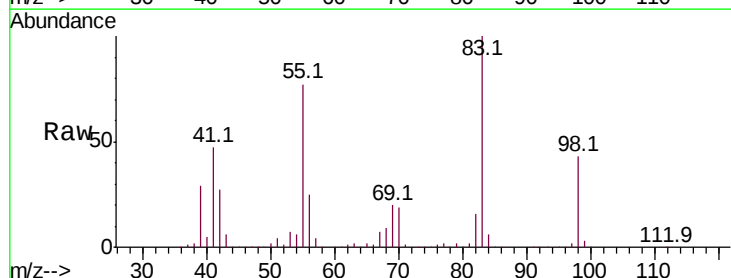
Tgt Ion: 83 Resp: 854692

Ion Ratio Lower Upper

83 100

55 77.5 39.6 118.7

98 43.7 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.07

500000

400000

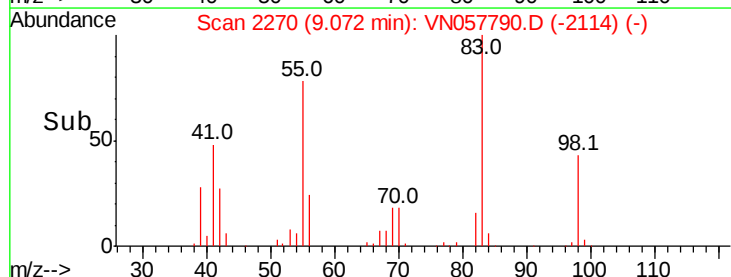
300000

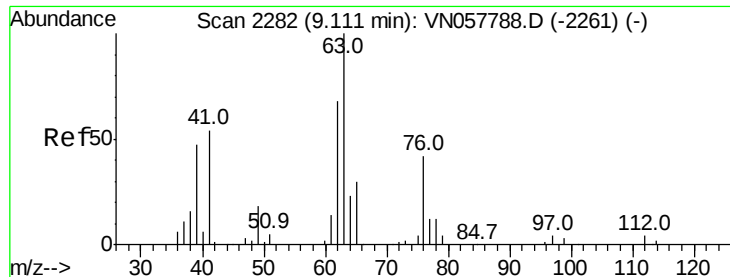
200000

100000

0

Time-->

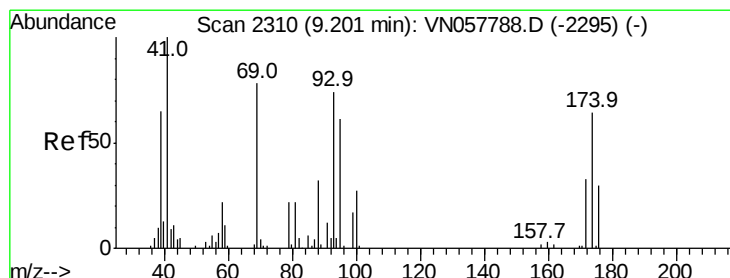
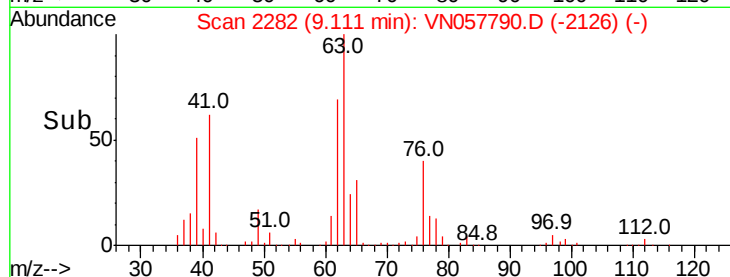
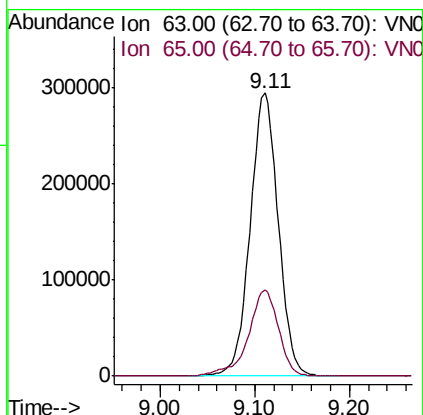
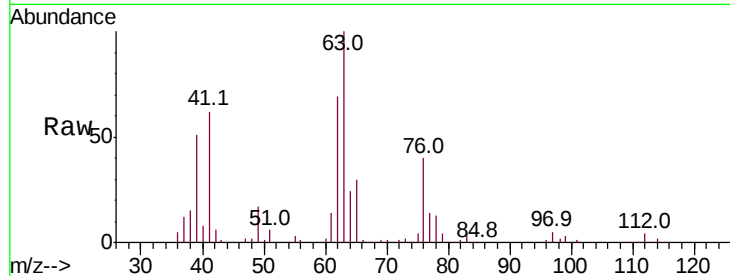




#39
 1,2-Dichloropropane
 Concen: 99.081 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

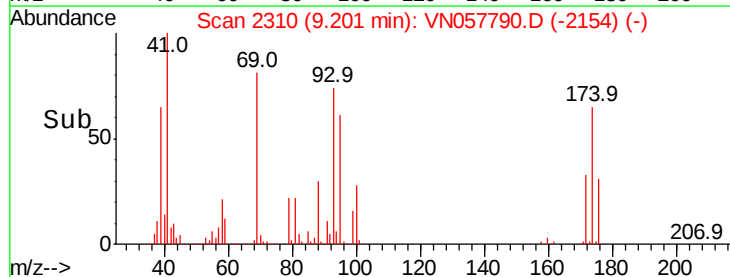
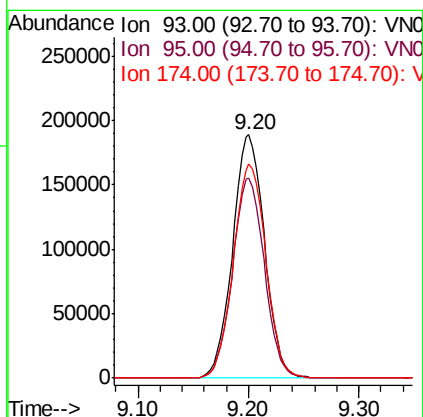
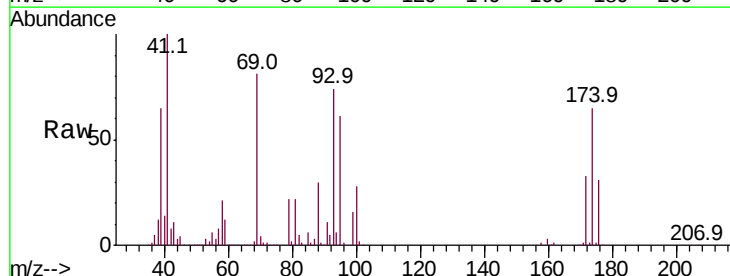
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

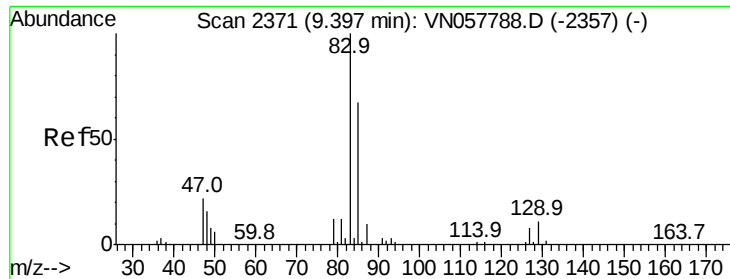
Tot Ion: 63 Resp: 606630
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.6 35.4



#40
 Dibromomethane
 Concen: 101.687 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 93 Resp: 378665
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 163.0
 174 89.4 0.0 171.4





#41

Bromodichloromethane

Concen: 104.898 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

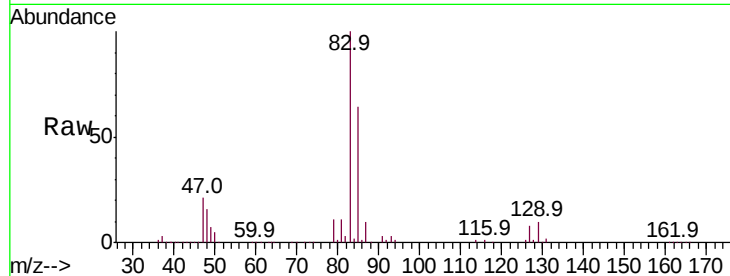
Tot Ion: 83 Resp: 787523

Ion Ratio Lower Upper

83 100

85 64.5 53.4 80.0

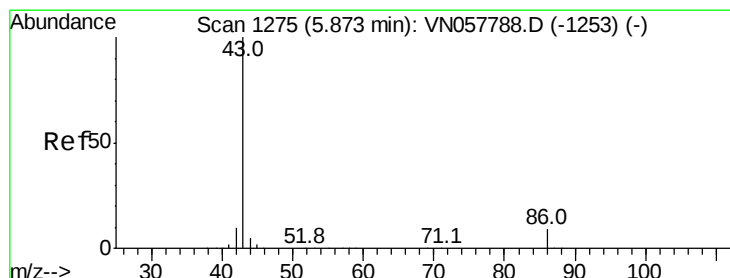
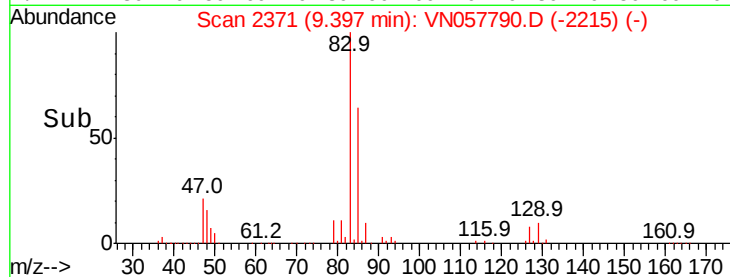
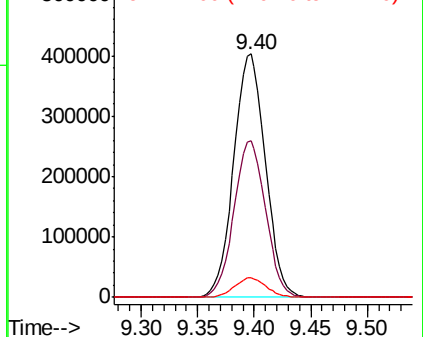
127 8.0 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 508.664 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057790.D

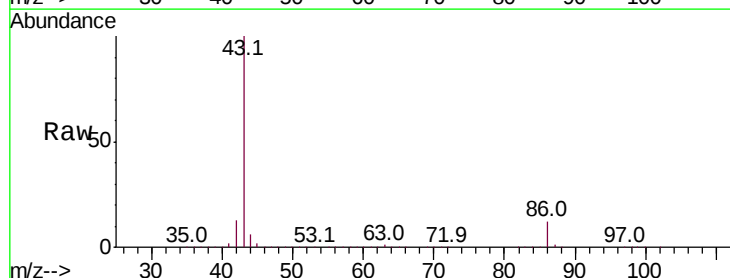
Acq: 9 Sep 2019 10:18

Tgt Ion: 43 Resp: 6786135

Ion Ratio Lower Upper

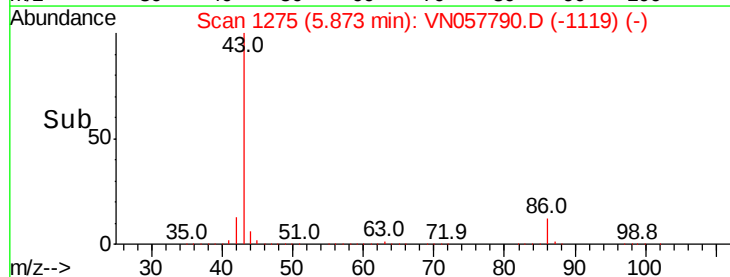
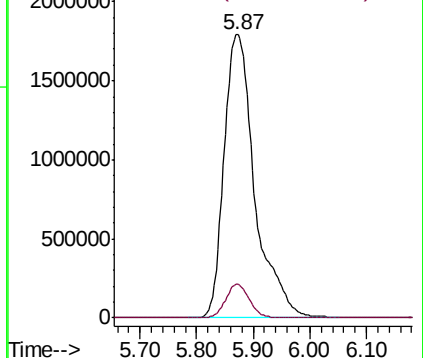
43 100

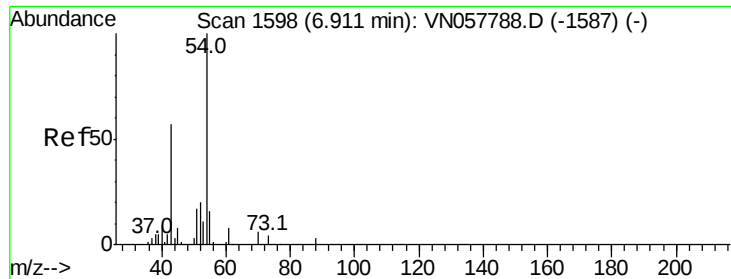
86 9.3 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 34.732 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.28 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

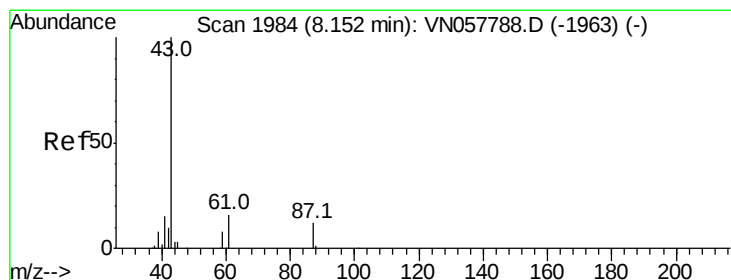
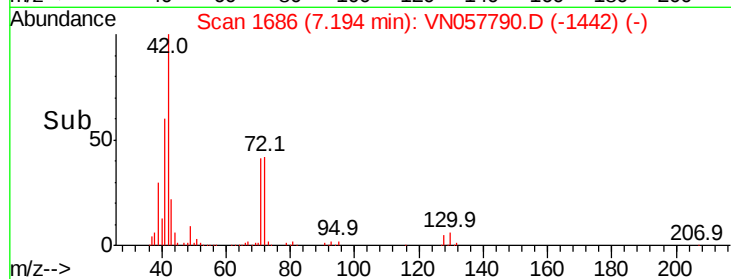
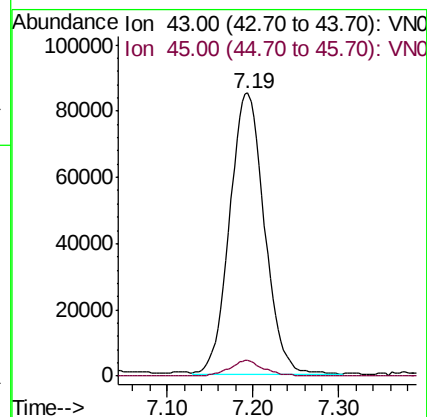
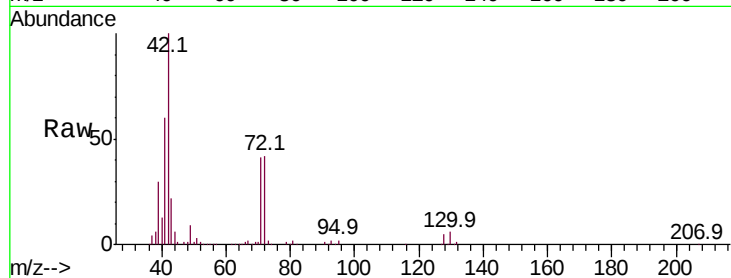
VSTDIC100

Tot Ion: 43 Resp: 237684

Ion Ratio Lower Upper

43 100

45 5.6 5.4 8.0



#44

Isopropyl Acetate

Concen: 105.614 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057790.D

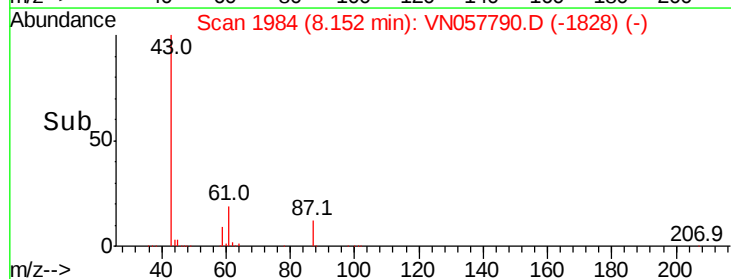
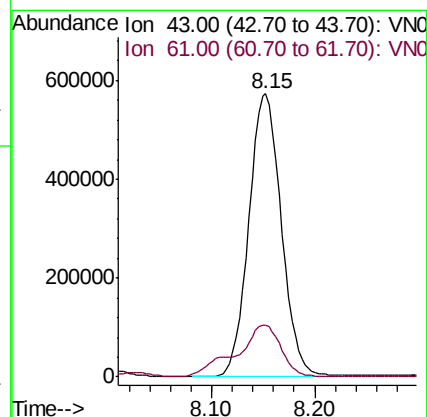
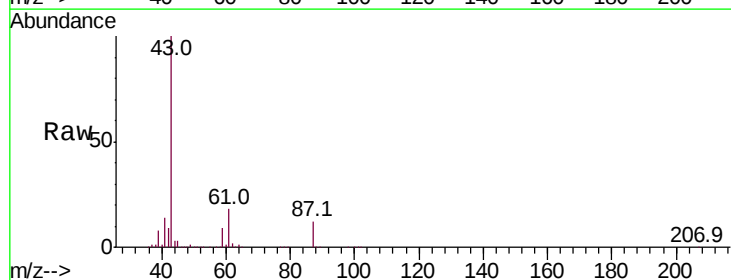
Acq: 9 Sep 2019 10:18

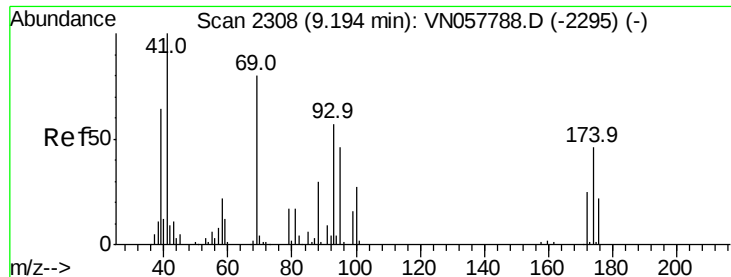
Tgt Ion: 43 Resp: 1251496

Ion Ratio Lower Upper

43 100

61 18.5 0.1 0.1#

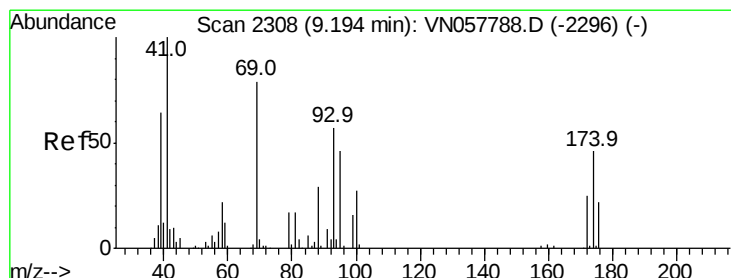
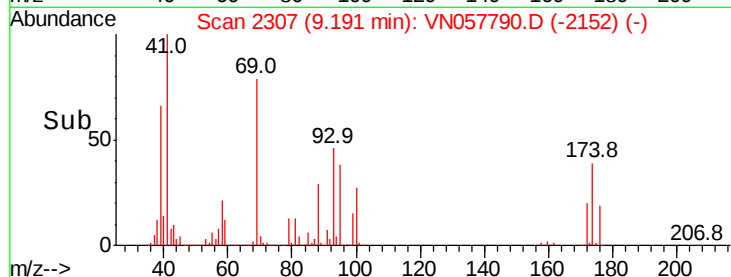
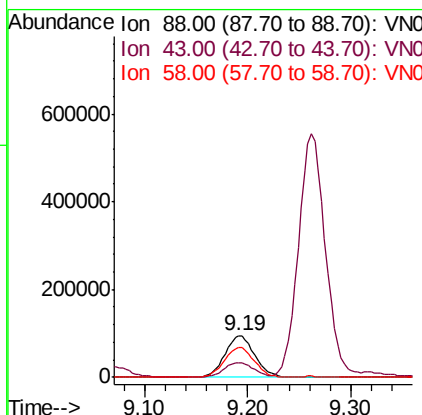
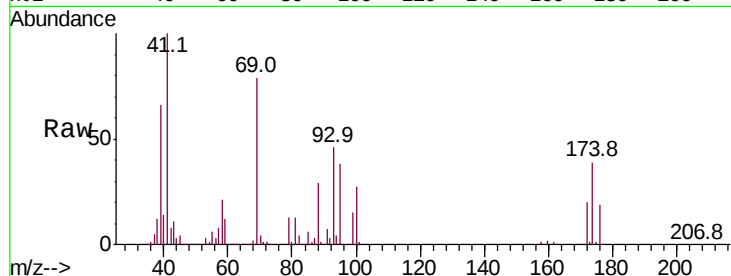




#45
 1,4-Dioxane
 Concen: 2065.488 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

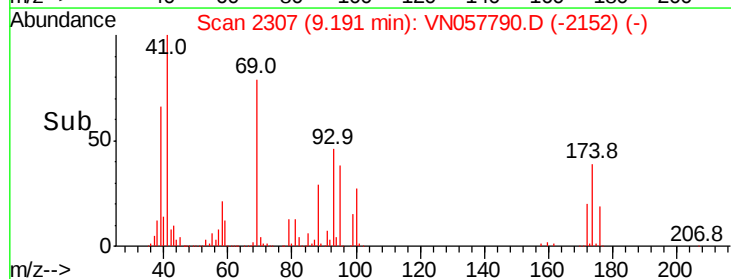
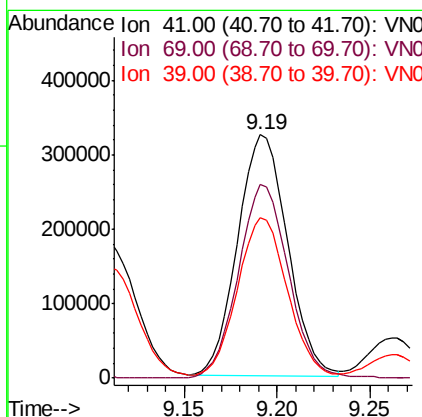
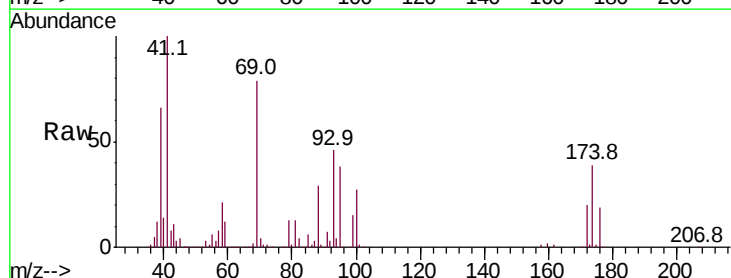
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

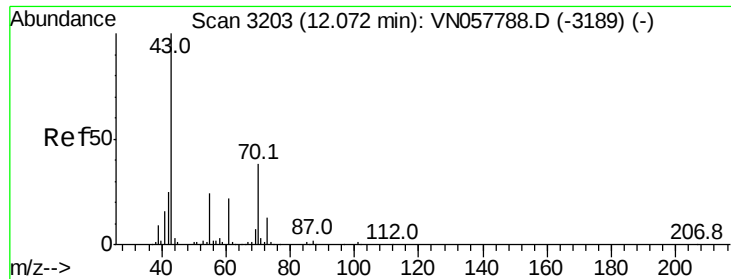
Tot Ion: 88 Resp: 191543
 Ion Ratio Lower Upper
 88 100
 43 35.2 28.2 42.4
 58 71.7 58.5 87.7



#46
 Methyl methacrylate
 Concen: 104.730 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 41 Resp: 603752
 Ion Ratio Lower Upper
 41 100
 69 80.0 39.6 119.0
 39 65.8 31.9 95.7





#47

n-amvl Acetate

Concen: 113.405 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

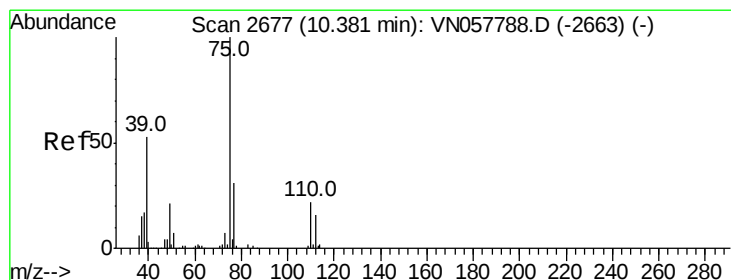
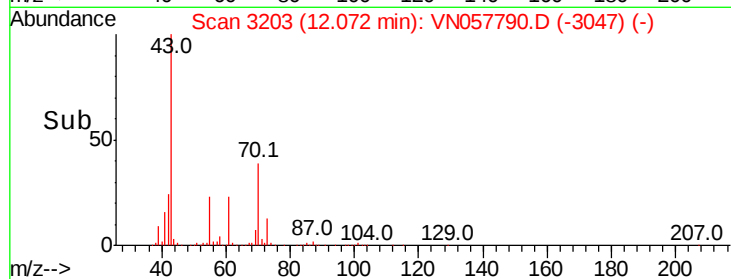
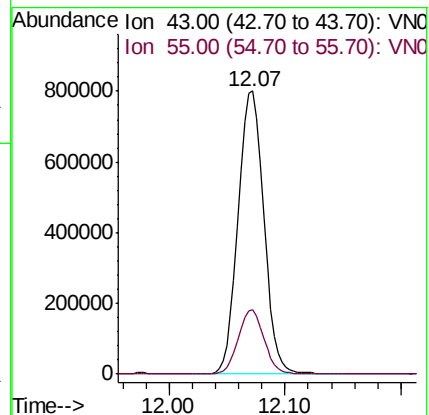
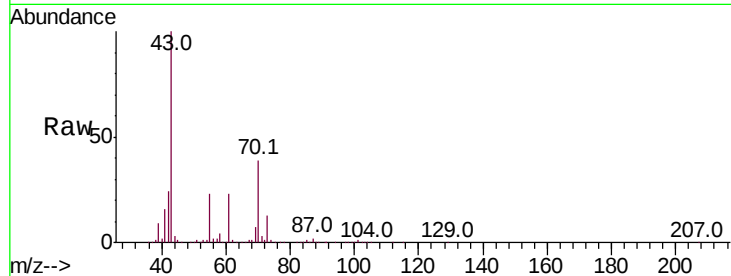
VSTDIC100

Tot Ion: 43 Resp: 1228771

Ion Ratio Lower Upper

43 100

55 22.8 18.3 27.5



#48

t-1,3-Dichloropropene

Concen: 111.962 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057790.D

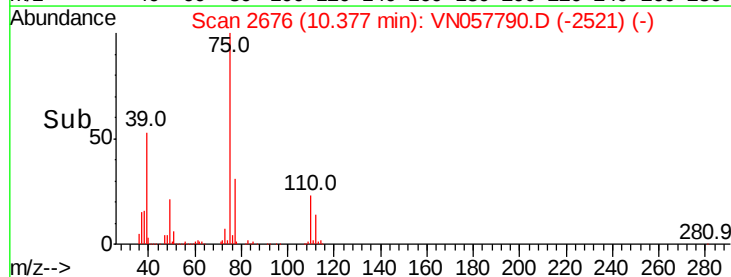
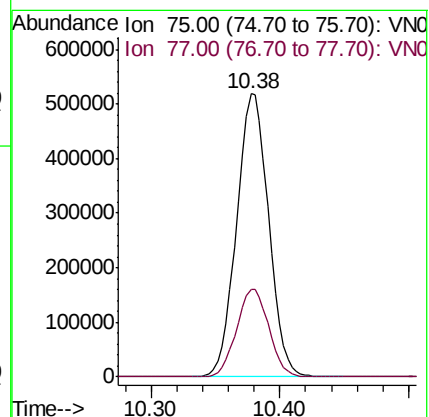
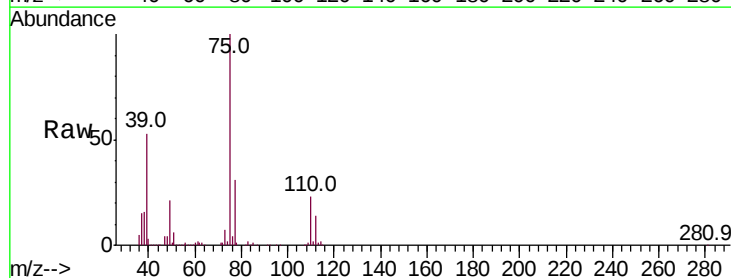
Acq: 9 Sep 2019 10:18

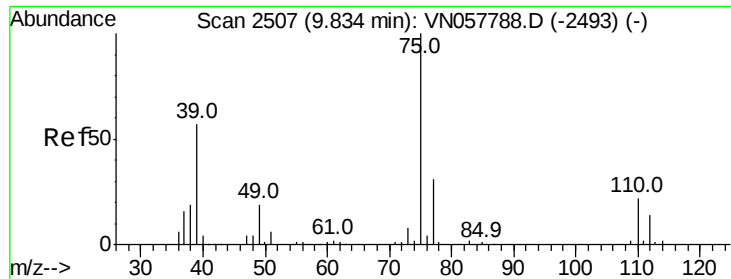
Tgt Ion: 75 Resp: 894859

Ion Ratio Lower Upper

75 100

77 30.8 24.9 37.3

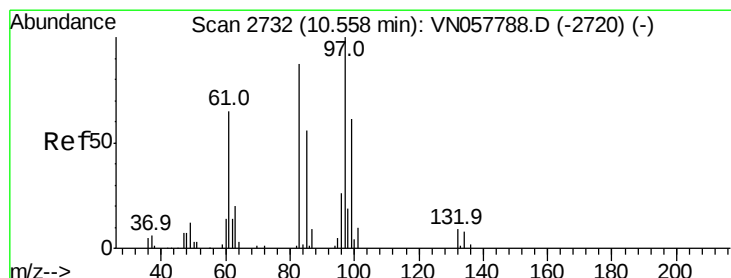
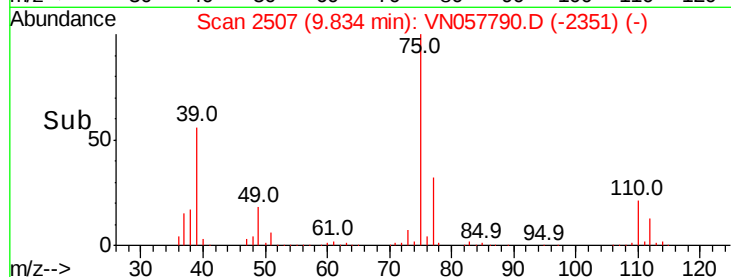
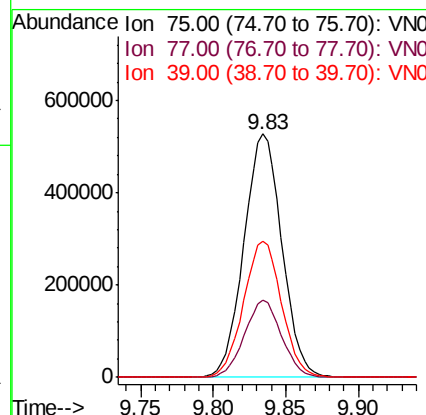
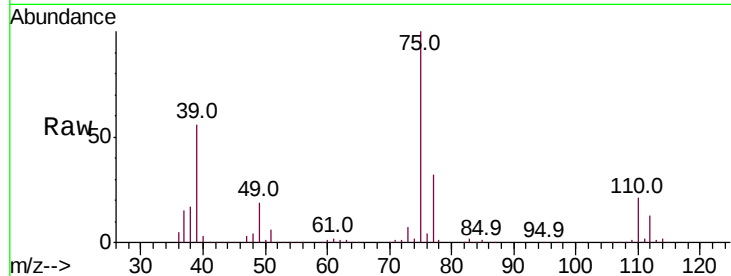




#49
 cis-1,3-Dichloropropene
 Concen: 107.024 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

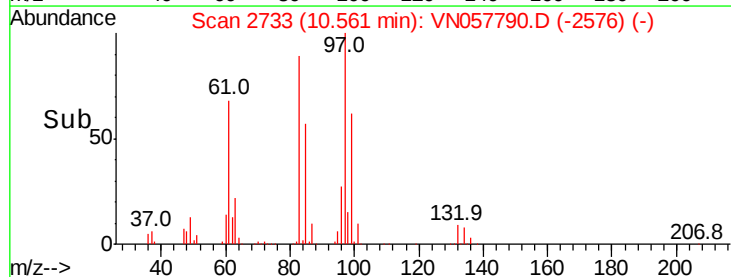
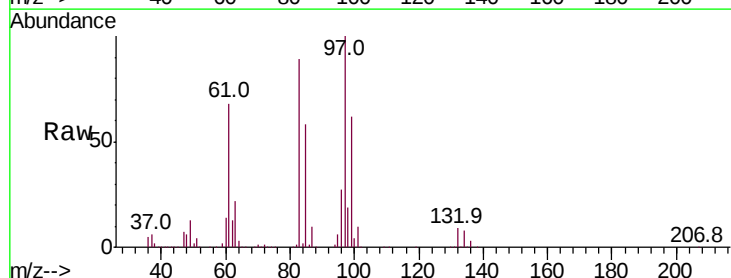
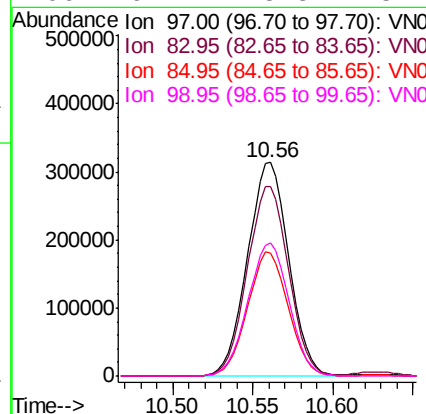
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

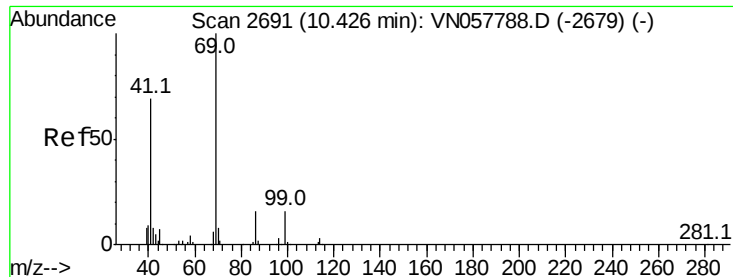
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	56.0	45.8	68.8



#50
 1,1,2-Trichloroethane
 Concen: 102.485 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.4	104.2
85	57.6	45.0	67.6
99	62.1	48.8	73.2





#51

Ethyl methacrylate

Concen: 109.151 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

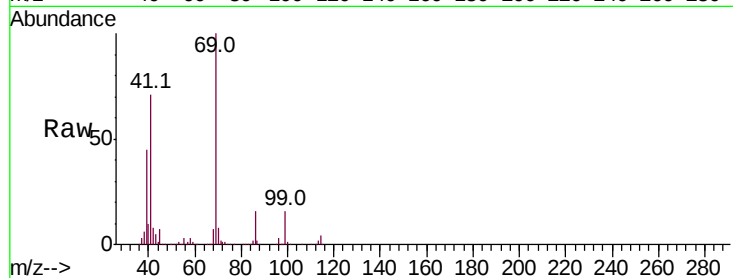
Tot Ion: 69 Resp: 914167

Ion Ratio Lower Upper

69 100

41 70.5 34.5 103.5

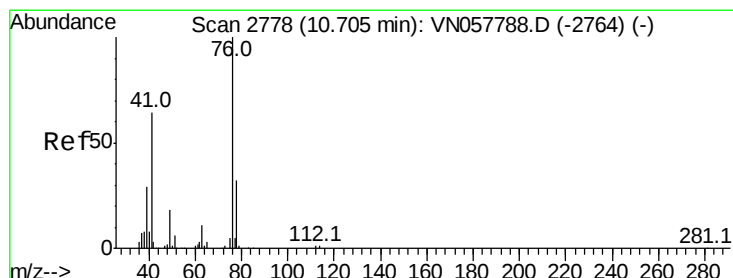
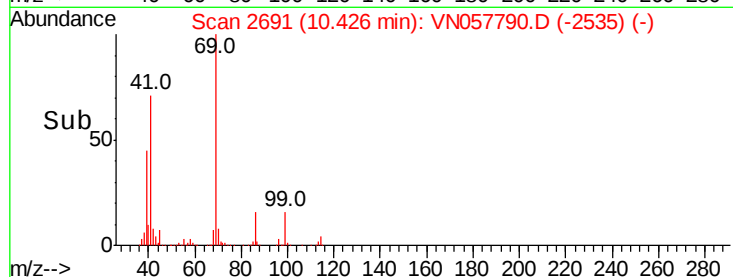
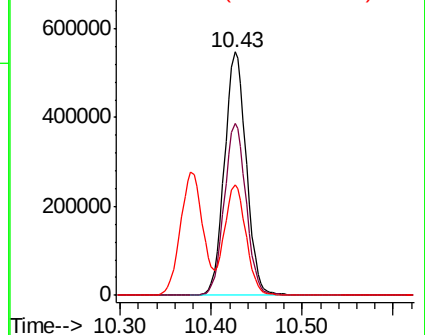
39 45.2 22.4 67.3



Abundance Ion 69.00 (68.70 to 69.70): VN057788.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN057788.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN057788.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 103.675 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN057790.D

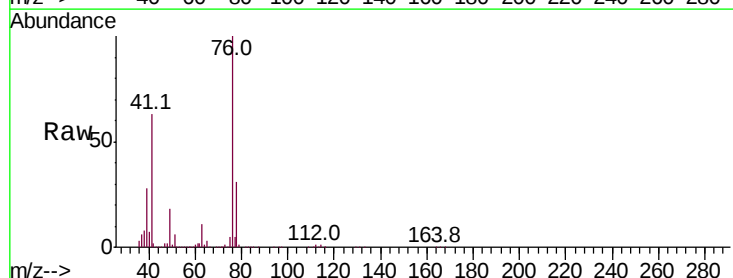
Acq: 9 Sep 2019 10:18

Tgt Ion: 76 Resp: 979325

Ion Ratio Lower Upper

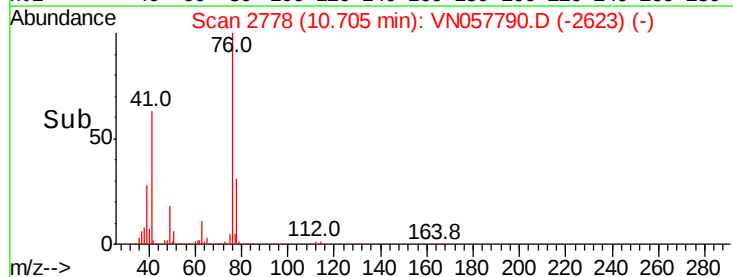
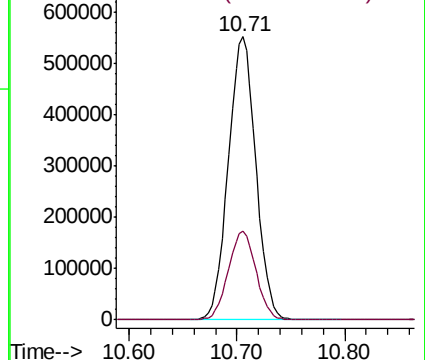
76 100

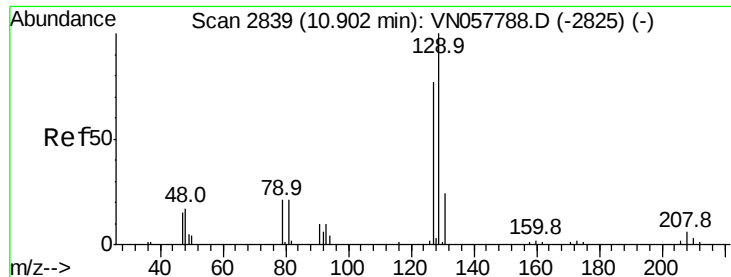
78 31.7 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-2764) (-)





#53

Dibromochloromethane

Concen: 111.985 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

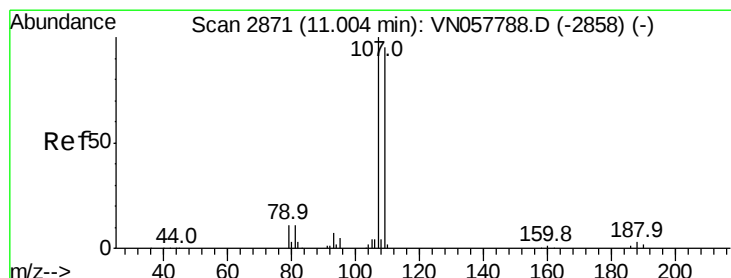
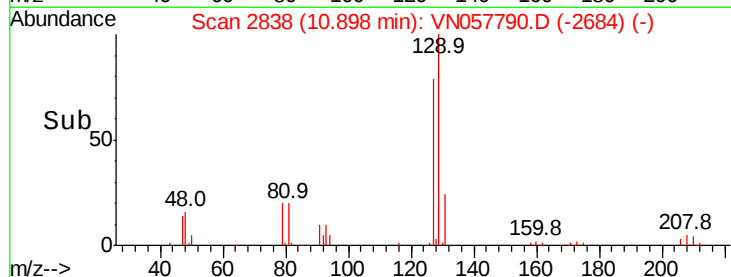
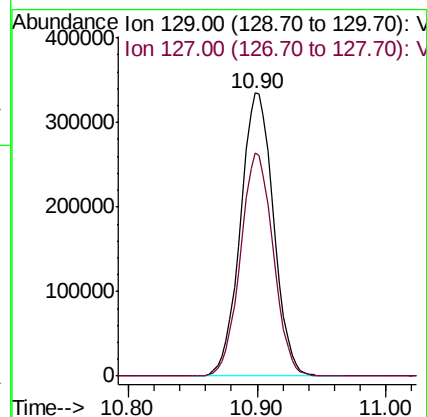
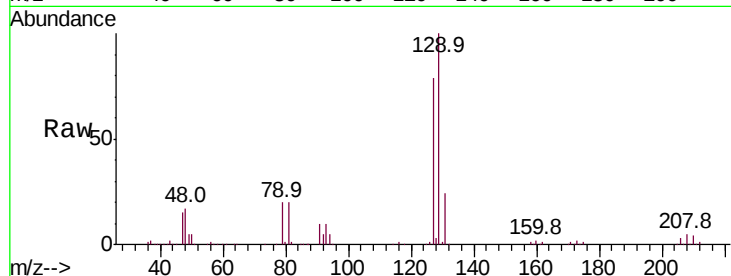
VSTDIC100

Tot Ion:129 Resp: 597379

Ion Ratio Lower Upper

129 100

127 78.0 38.8 116.3



#54

1,2-Dibromoethane

Concen: 104.026 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057790.D

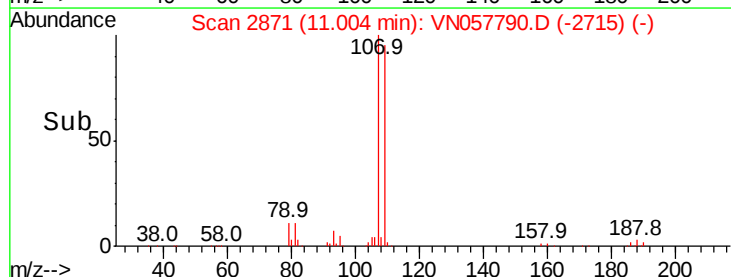
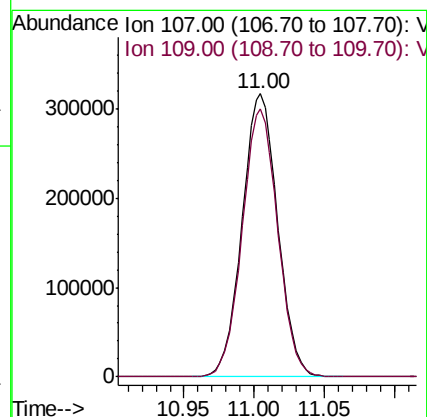
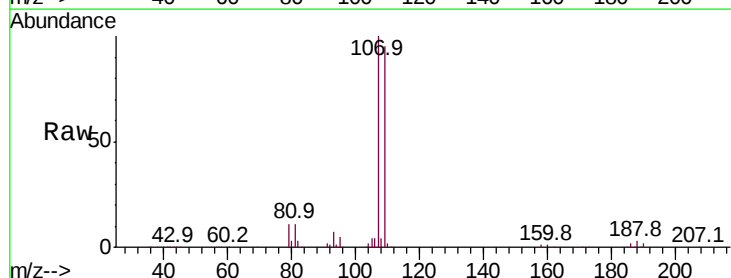
Acq: 9 Sep 2019 10:18

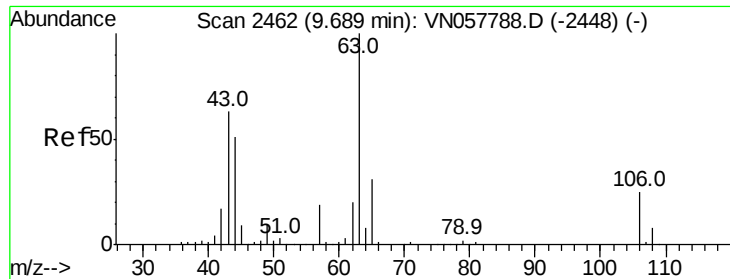
Tgt Ion:107 Resp: 559063

Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.0



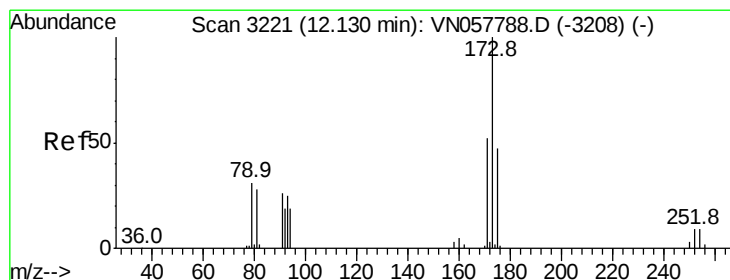
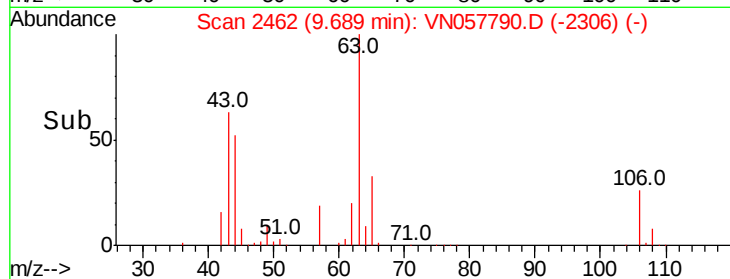
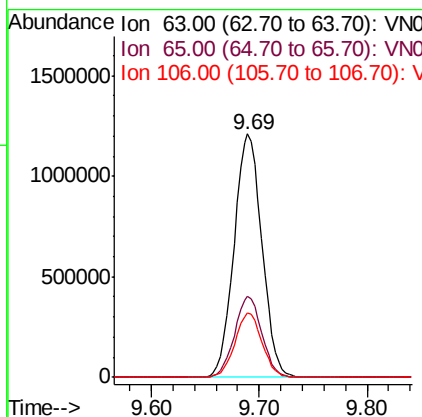
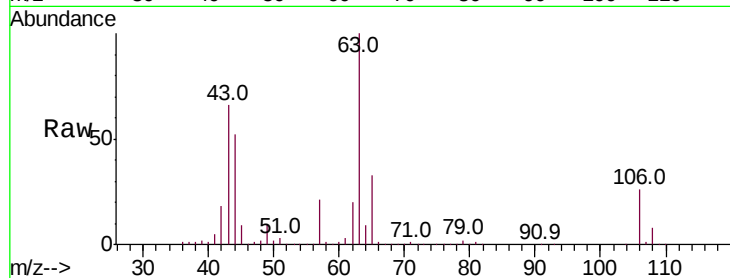


#55
2-Chloroethyl vinyl ether
Concen: 545.677 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 2171629

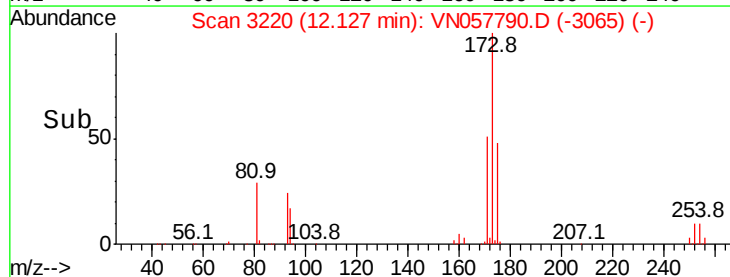
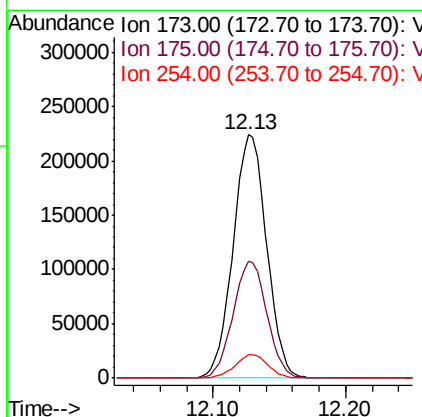
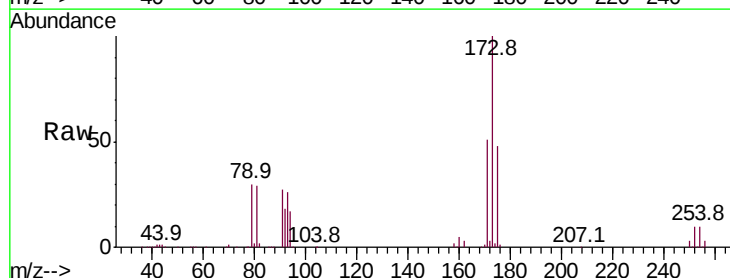
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.0	37.6
106	25.6	19.8	29.8

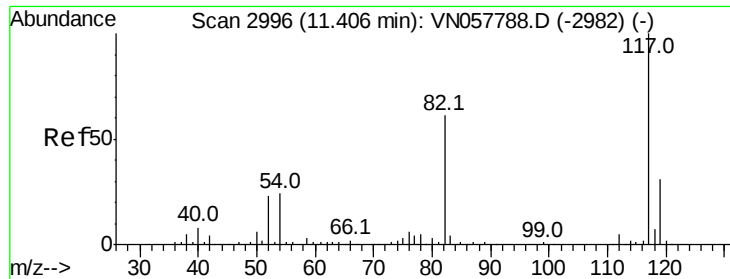


#56
Bromoform
Concen: 119.033 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 173 Resp: 393365

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.4	57.6
254	9.6	6.9	10.3

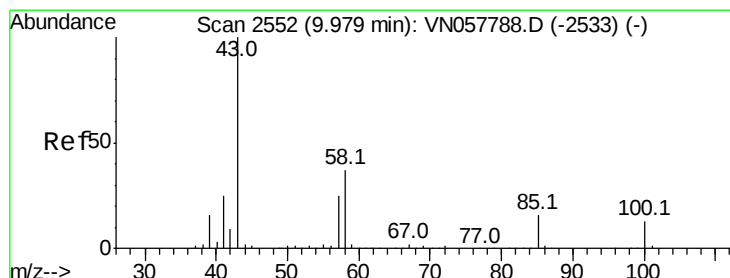
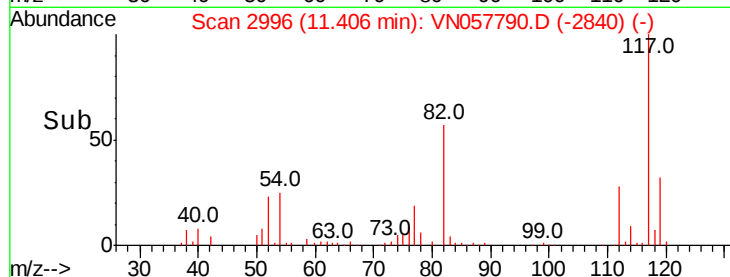
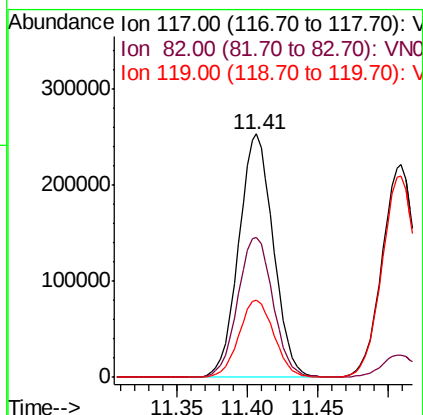
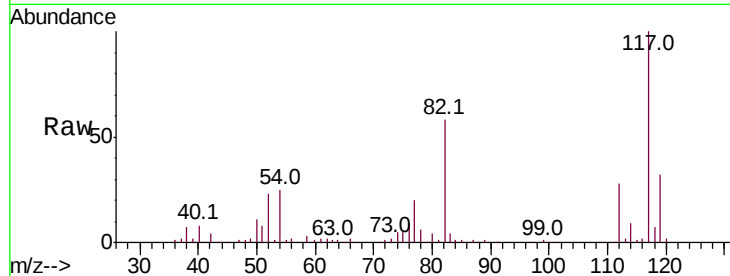




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

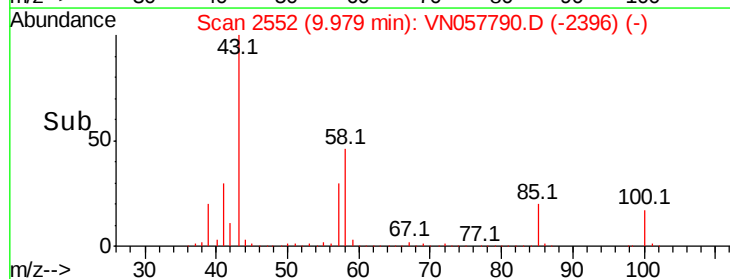
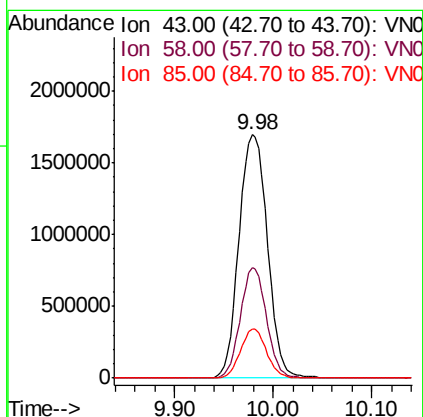
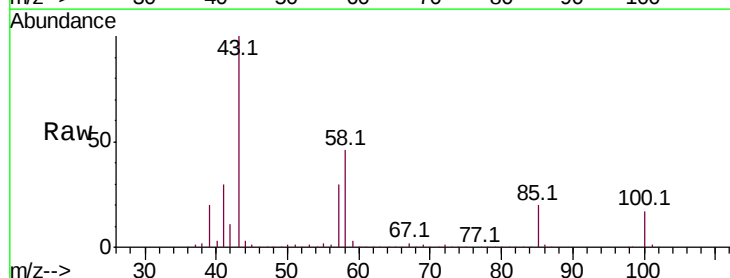
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

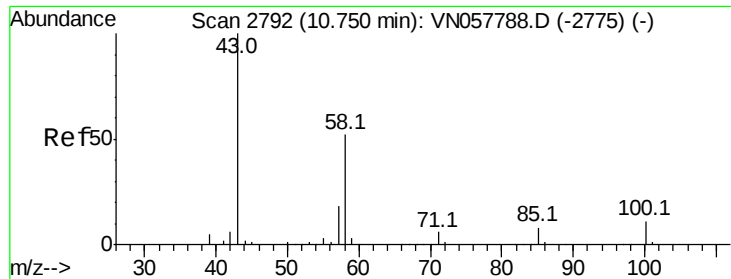
Tot Ion:117 Resp: 435176
Ion Ratio Lower Upper
117 100
82 58.9 47.6 71.4
119 32.2 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 502.871 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 43 Resp: 3393686
Ion Ratio Lower Upper
43 100
58 41.6 29.4 44.0
85 18.4 12.9 19.3

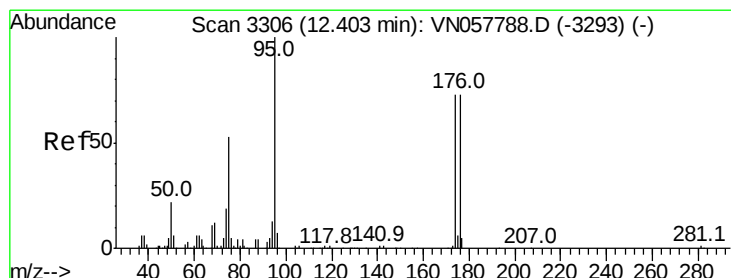
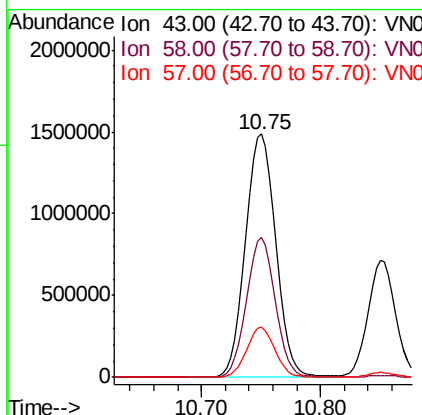
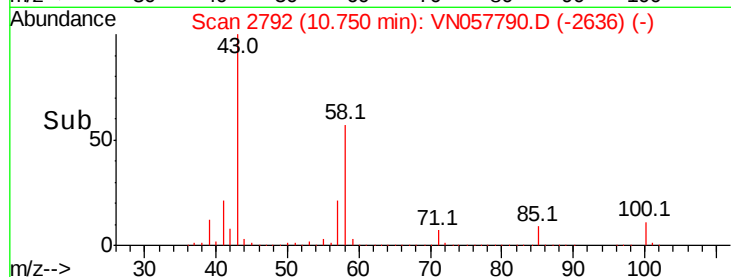
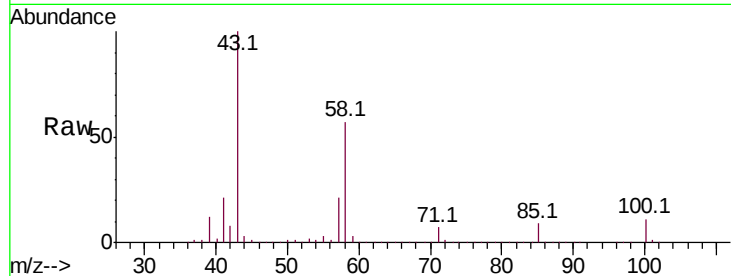




#59
2-Hexanone
Concen: 519.165 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

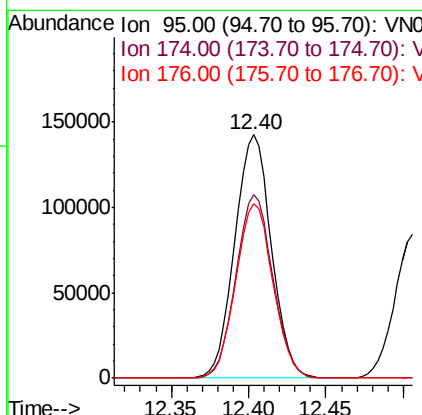
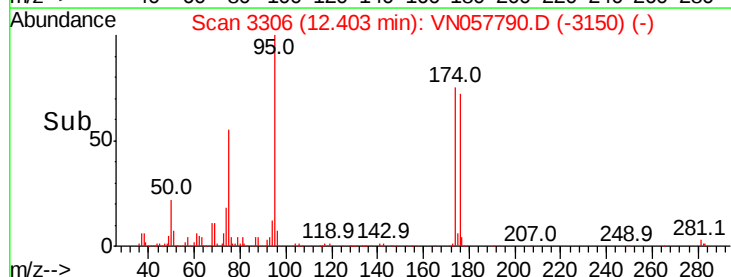
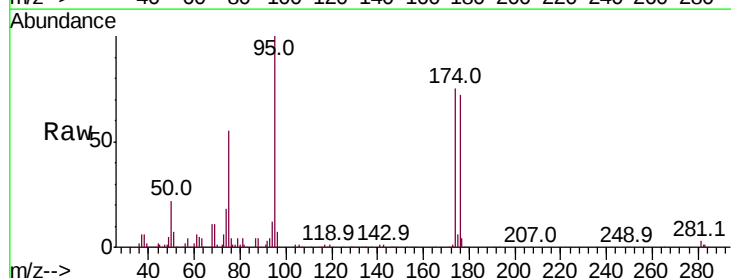
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

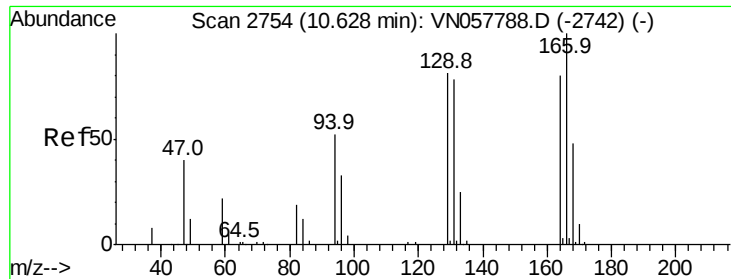
Tot Ion: 43 Resp: 2629223
Ion Ratio Lower Upper
43 100
58 54.7 40.6 61.0
57 19.4 14.5 21.7



#60
4-Bromofluorobenzene
Concen: 31.474 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 95 Resp: 234376
Ion Ratio Lower Upper
95 100
174 76.1 59.4 89.0
176 72.9 57.4 86.0





#61

Tetrachloroethene

Concen: 99.494 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 440216

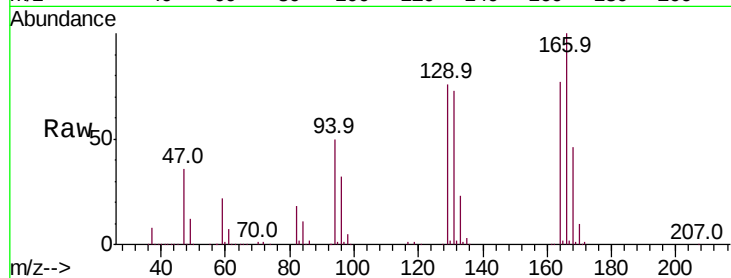
Ion Ratio Lower Upper

164 100

166 130.1 99.6 149.4

129 98.3 80.9 121.3

131 95.0 77.2 115.8

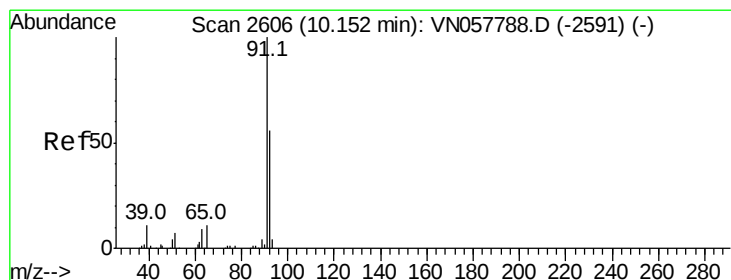
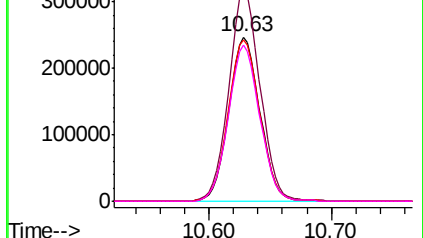
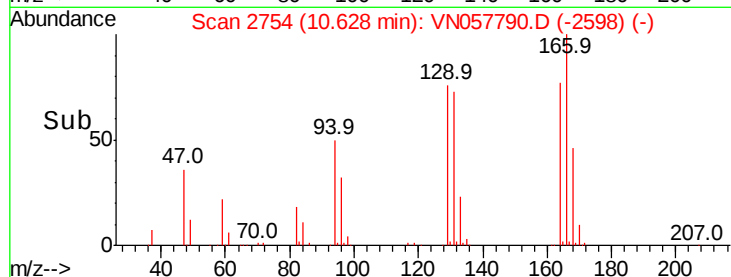


Abundance Ion 163.85 (163.55 to 164.55): V

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: 99.828 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057790.D

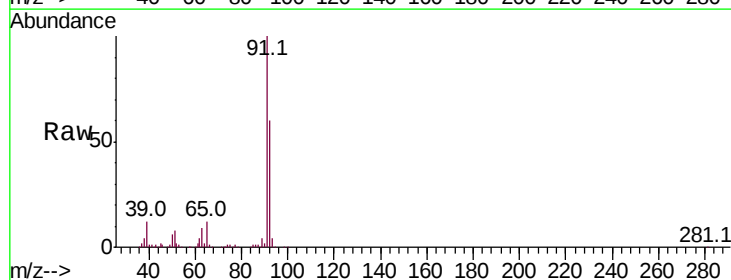
Acq: 9 Sep 2019 10:18

Tgt Ion: 91 Resp: 2405475

Ion Ratio Lower Upper

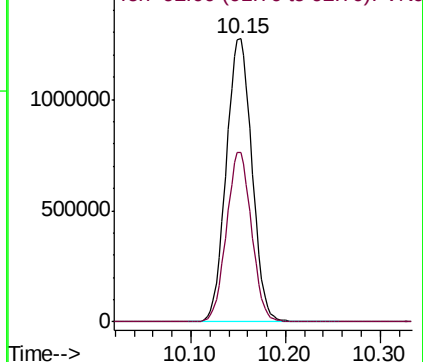
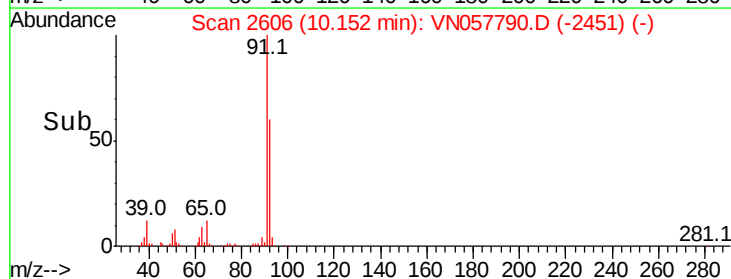
91 100

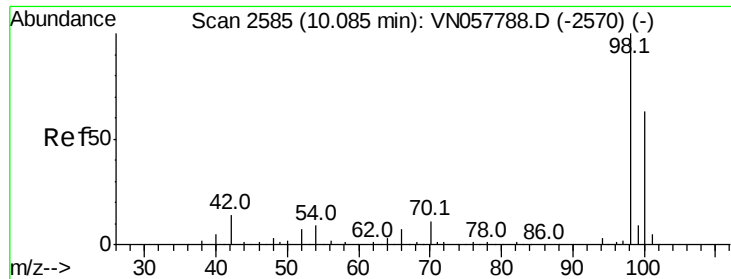
92 58.4 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.768 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

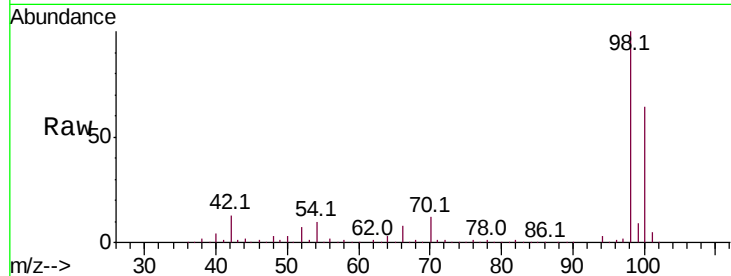
VSTDIC100

Tot Ion: 98 Resp: 621773

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5



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

Ion 100.00 (99.70 to 100.70): VN057790.D (-2429) (-)

10.08

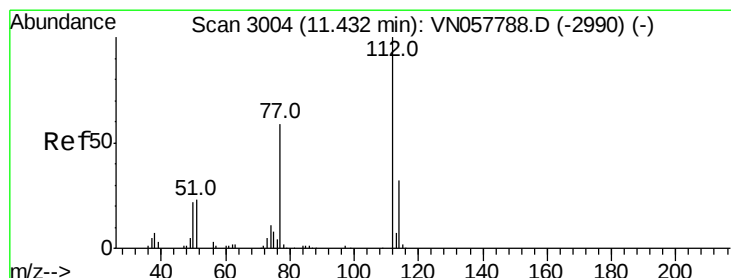
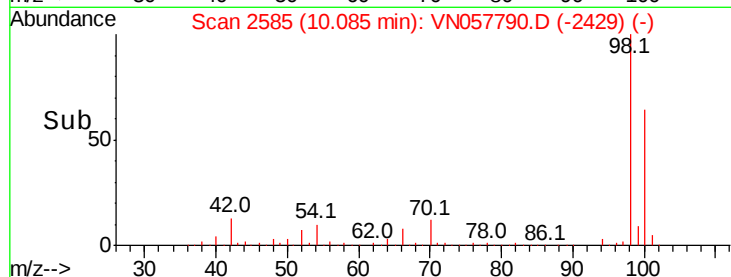
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 100.888 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057790.D

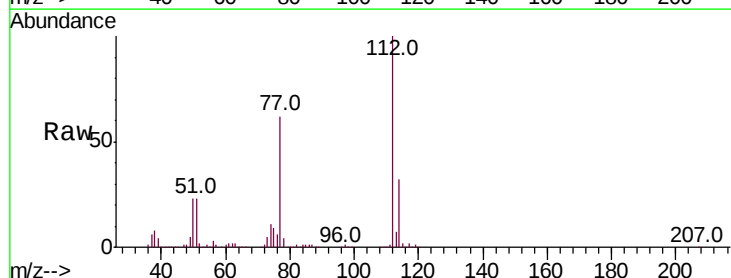
Acq: 9 Sep 2019 10:18

Tgt Ion: 112 Resp: 1508047

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0



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

Ion 114.00 (113.70 to 114.70): VN057790.D (-2848) (-)

11.43

1000000

800000

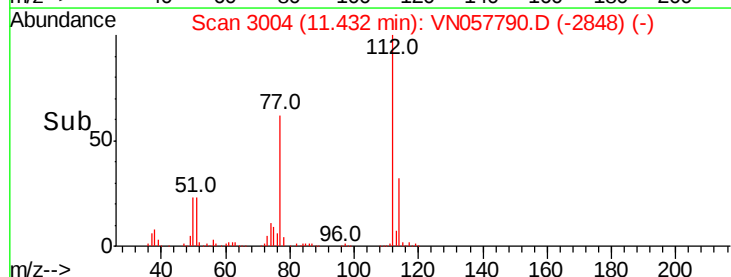
600000

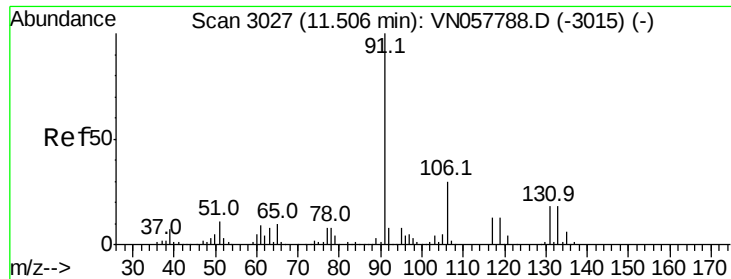
400000

200000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 106.230 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

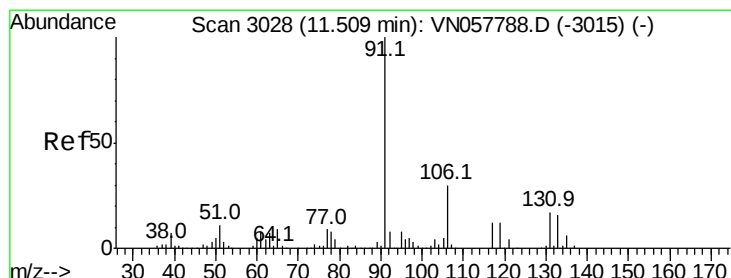
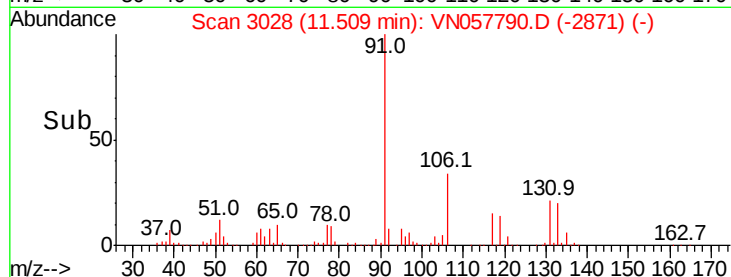
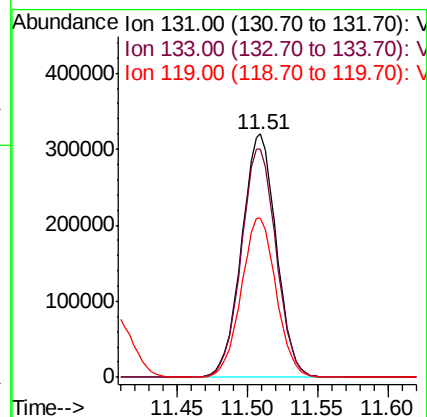
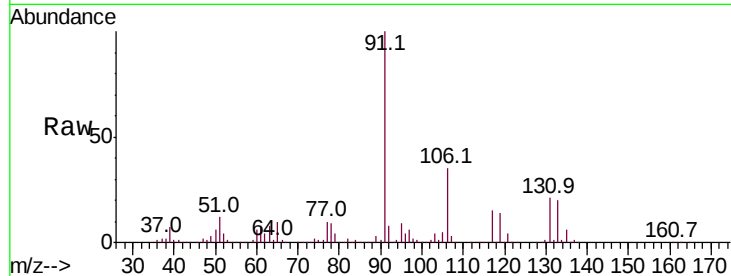
Tot Ion:131 Resp: 551336

Ion Ratio Lower Upper

131 100

133 94.8 0.0 189.2

119 66.0 0.0 136.4



#66

Ethyl Benzene

Concen: 101.302 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057790.D

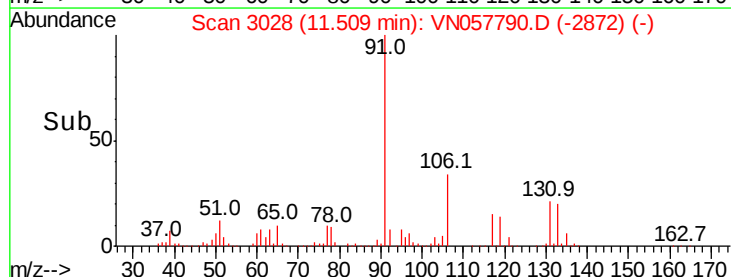
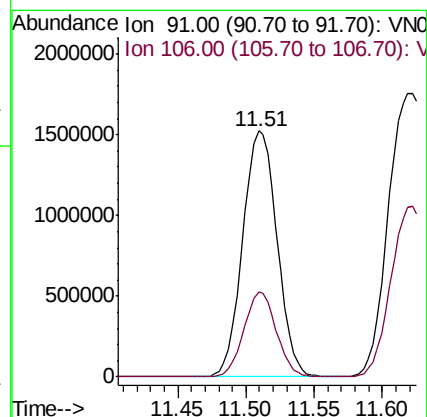
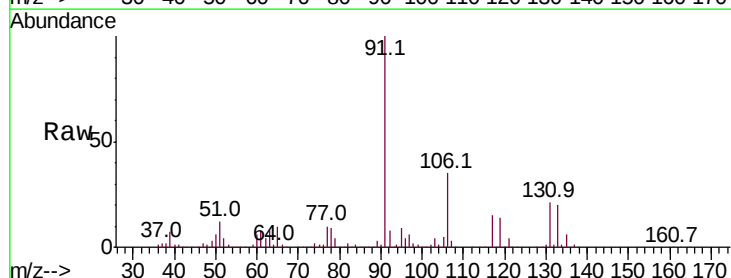
Acq: 9 Sep 2019 10:18

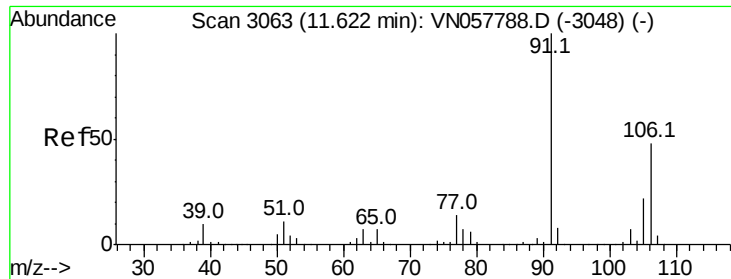
Tgt Ion: 91 Resp: 2663251

Ion Ratio Lower Upper

91 100

106 34.5 24.0 36.0

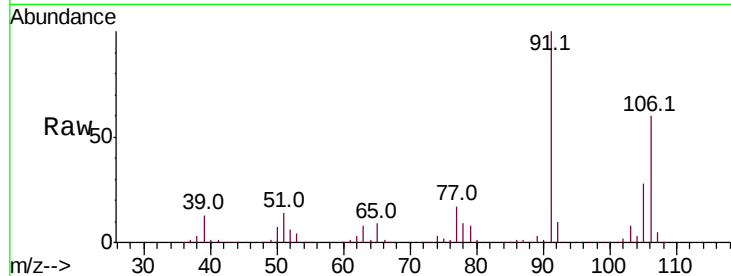




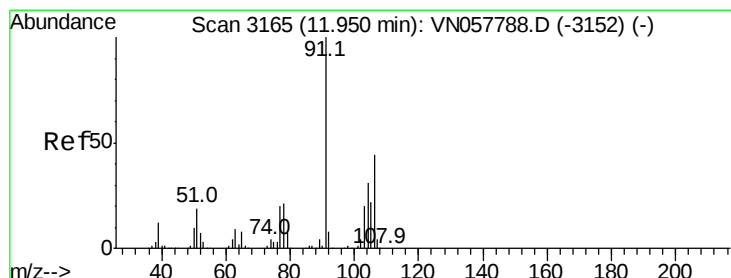
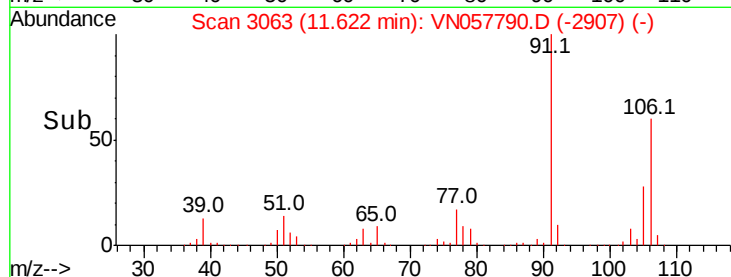
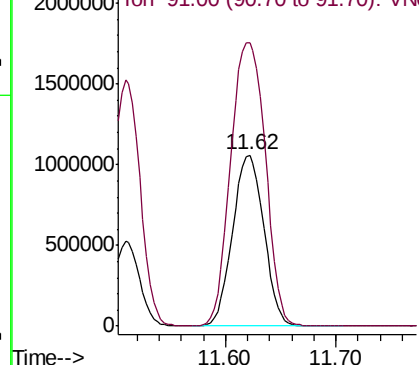
#67
m/p-Xylenes
Concen: 229.621 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2085062
Ion Ratio Lower Upper
106 100
91 183.7 166.1 249.1

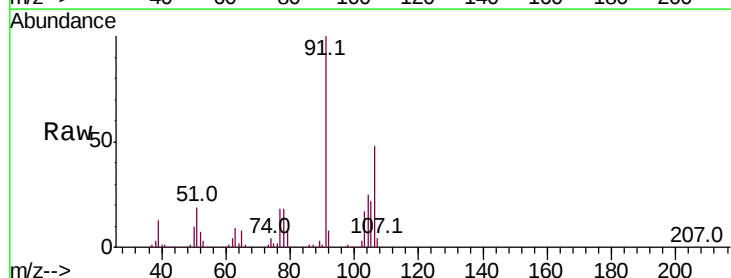


Abundance Ion 106.00 (105.70 to 106.70): V
2000000 Ion 91.00 (90.70 to 91.70): VN

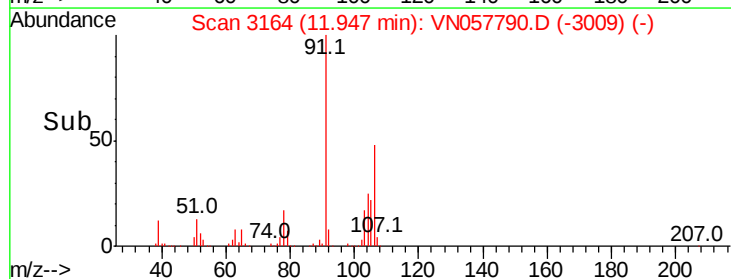
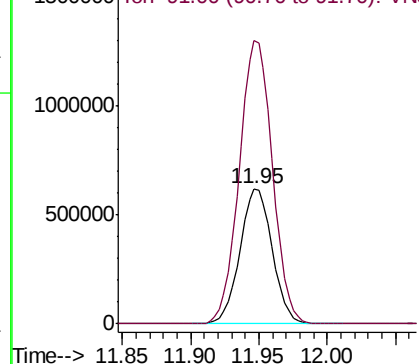


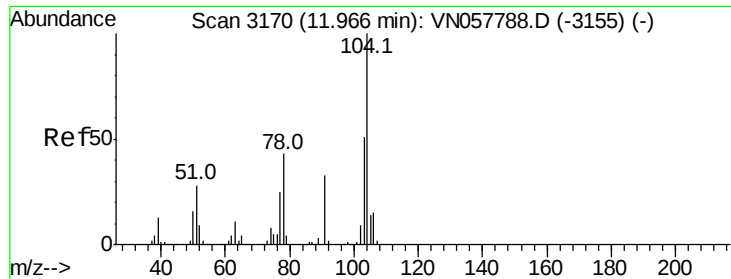
#68
o-Xylene
Concen: 103.621 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion:106 Resp: 1018943
Ion Ratio Lower Upper
106 100
91 215.1 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V
1500000 Ion 91.00 (90.70 to 91.70): VN

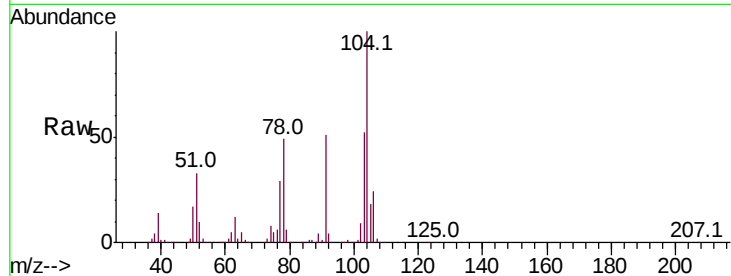




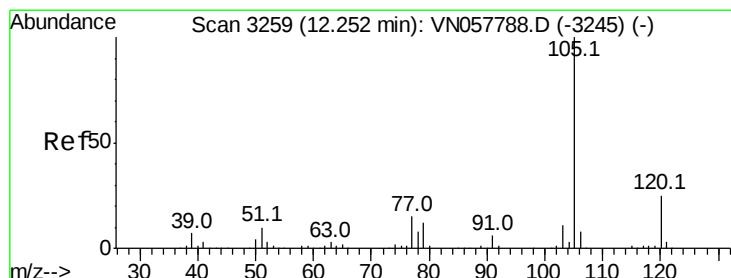
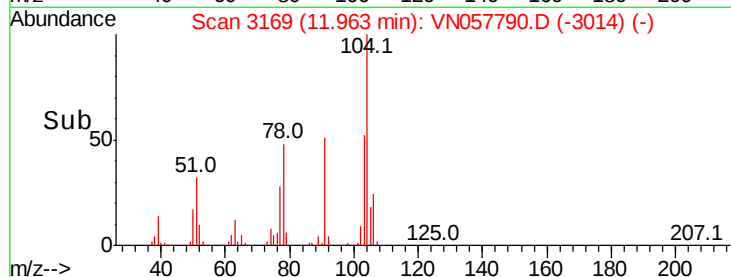
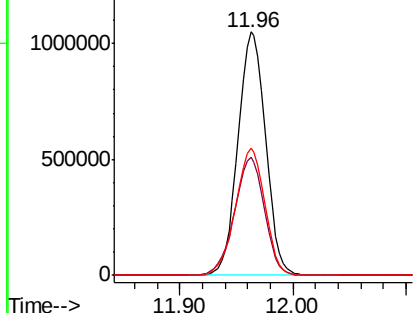
#69
Stvrene
Concen: 106.820 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:104 Resp: 1790923
Ion Ratio Lower Upper
104 100
78 52.4 41.5 62.3
103 55.3 44.8 67.2

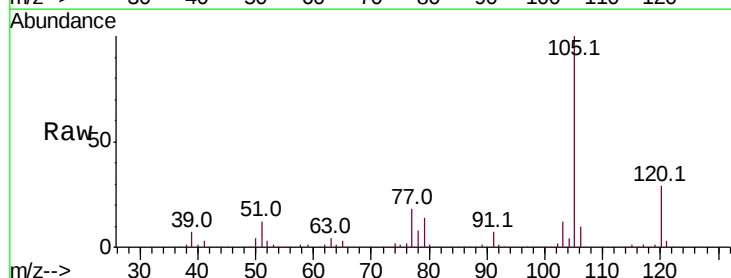


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

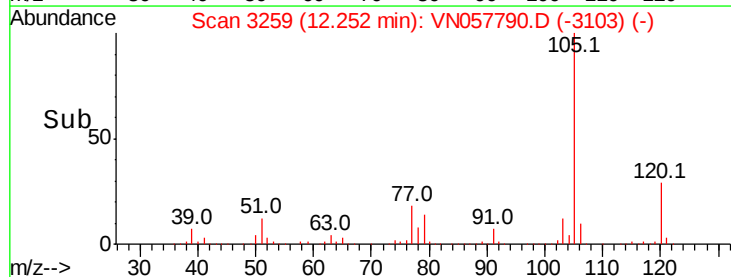
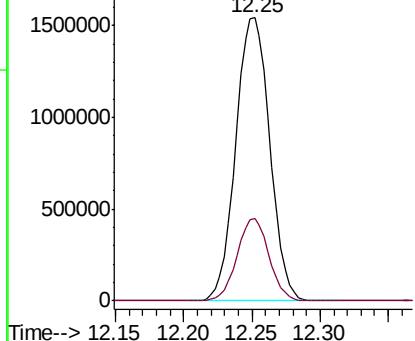


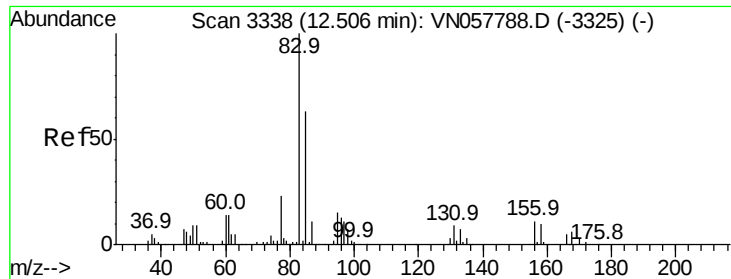
#70
Isopropylbenzene
Concen: 102.635 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion:105 Resp: 2668192
Ion Ratio Lower Upper
105 100
120 27.4 17.6 32.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

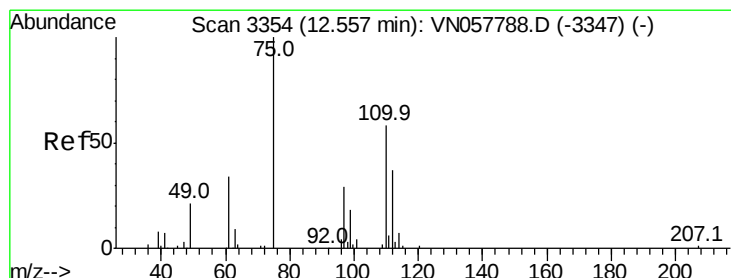
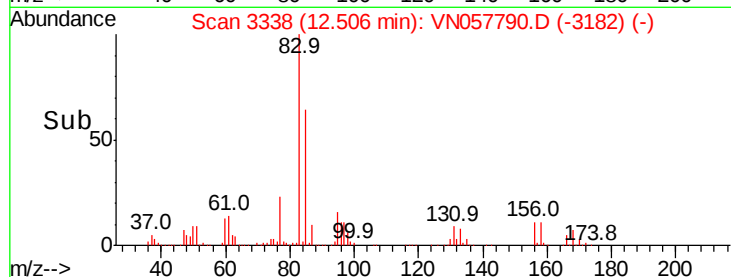
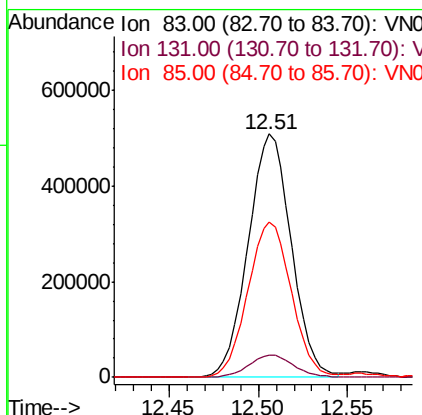
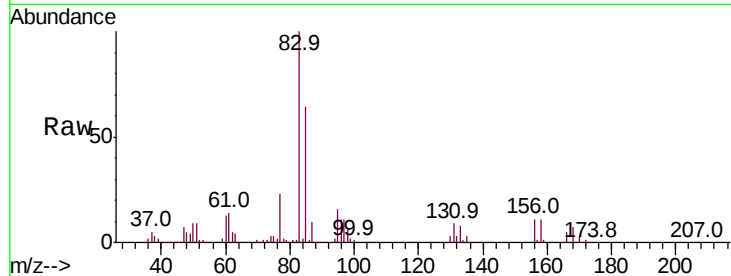




#71
 1,1,2,2-Tetrachloroethane
 Concen: 105.826 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

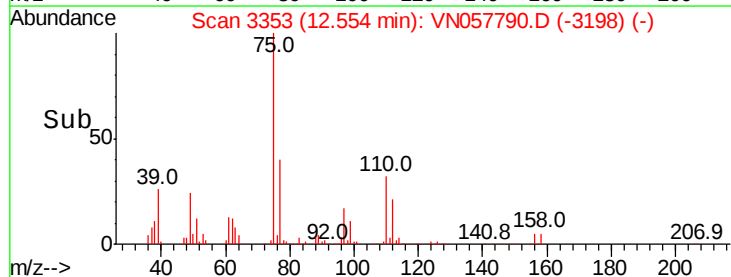
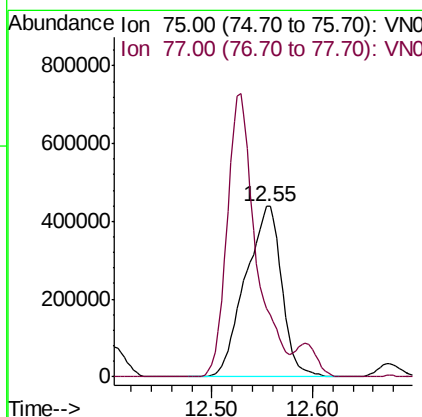
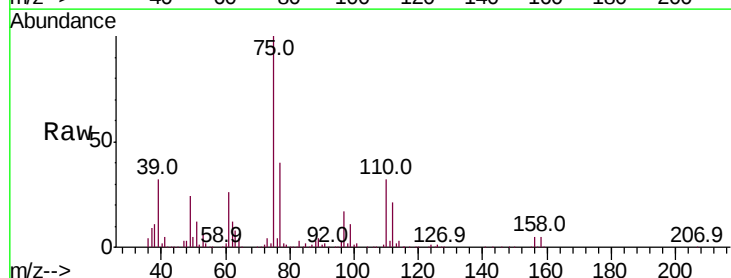
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

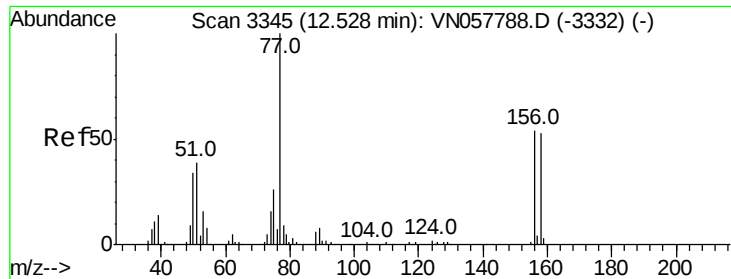
Tot Ion	83	Resp	859808
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.6
85	64.3	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 154.192 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	75	Resp	1096278
Ion	Ratio	Lower	Upper
75	100		
77	133.0	0.0	351.6





#73

Bromobenzene

Concen: 104.411 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

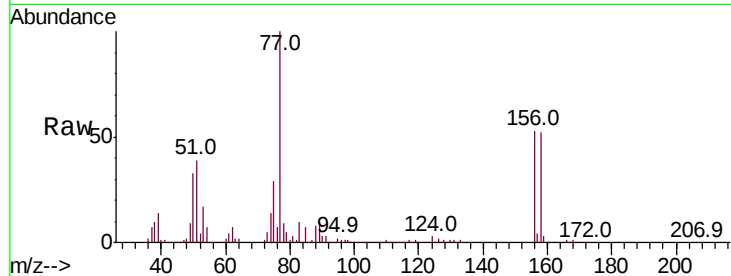
Tot Ion:156 Resp: 649838

Ion Ratio Lower Upper

156 100

77 224.5 0.0 446.6

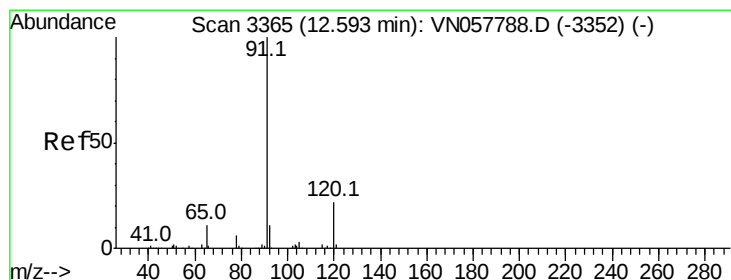
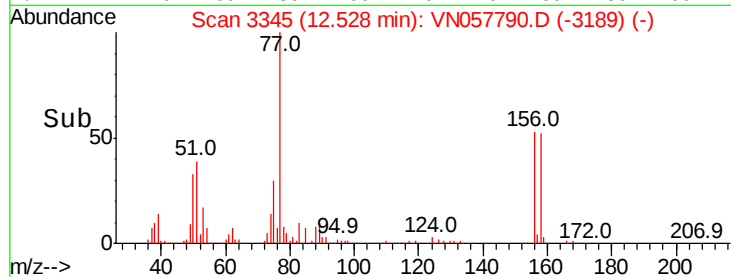
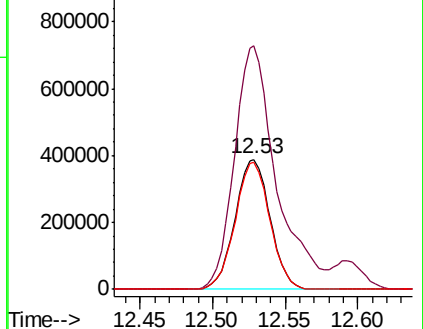
158 97.3 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 100.842 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057790.D

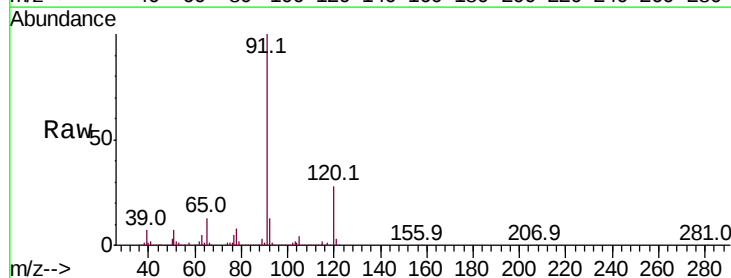
Acq: 9 Sep 2019 10:18

Tgt Ion: 91 Resp: 2995148

Ion Ratio Lower Upper

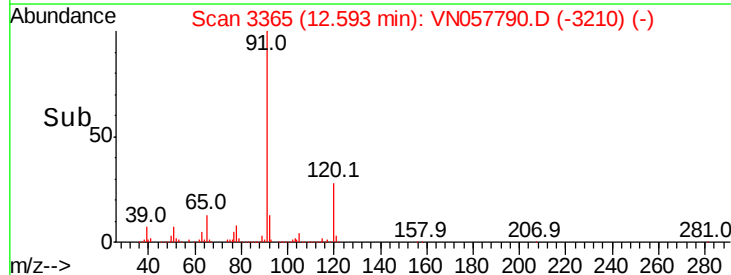
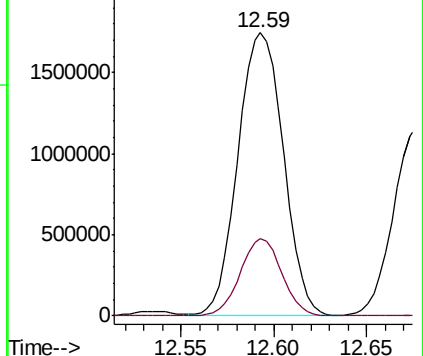
91 100

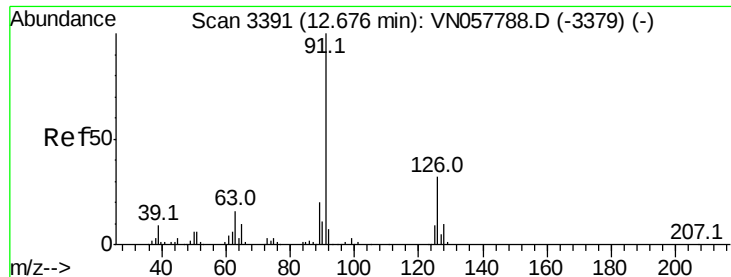
120 24.9 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 104.176 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

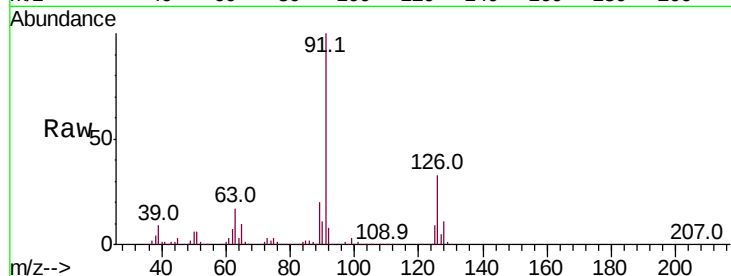
VSTDIC100

Tot Ion: 91 Resp: 1927258

Ion Ratio Lower Upper

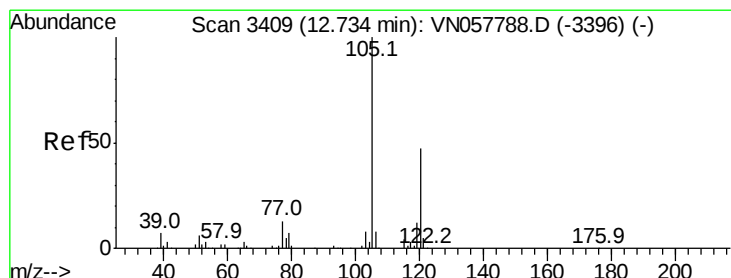
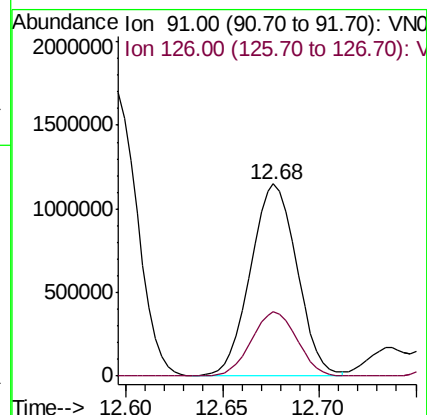
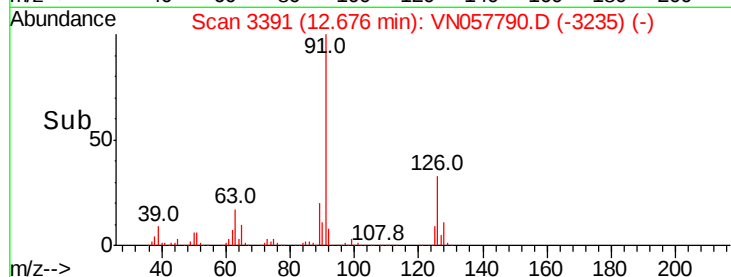
91 100

126 33.1 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 104.640 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057790.D

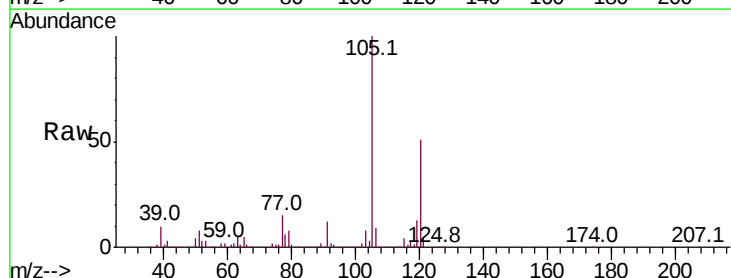
Acq: 9 Sep 2019 10:18

Tgt Ion:105 Resp: 2316429

Ion Ratio Lower Upper

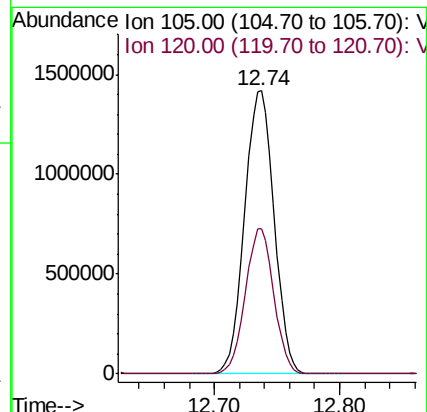
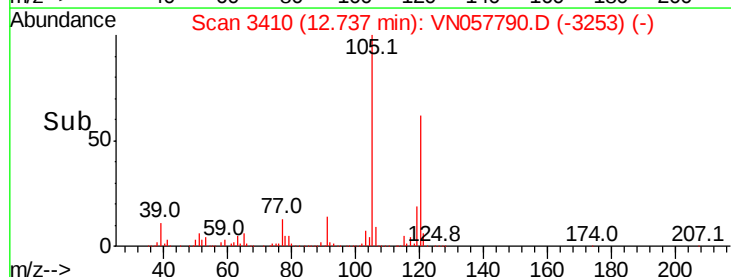
105 100

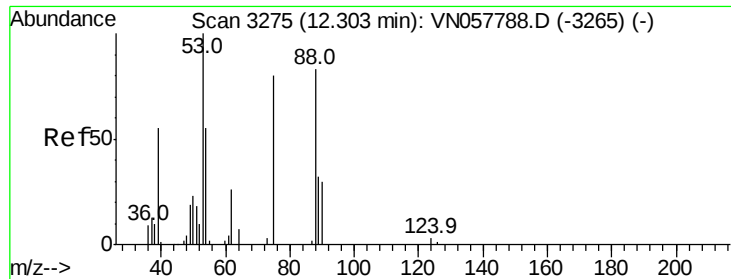
120 49.3 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 122.768 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

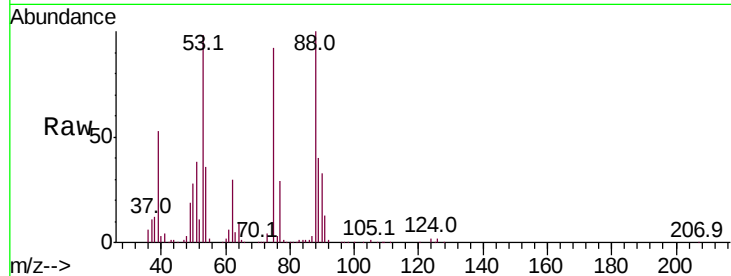
Tot Ion: 75 Resp: 262646

Ion Ratio Lower Upper

75 100

53 105.7 62.7 188.2

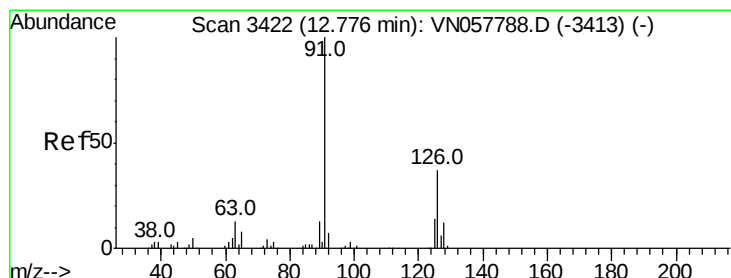
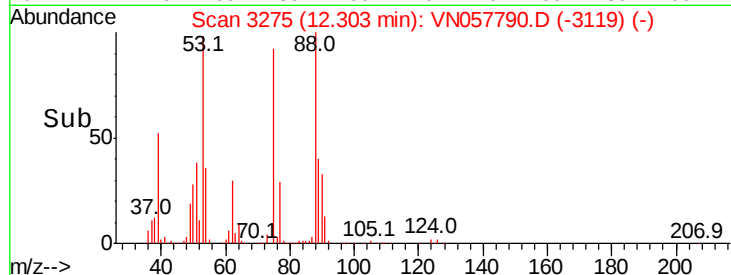
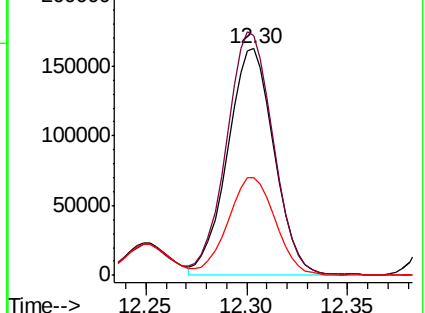
89 43.3 22.8 68.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 106.843 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN057790.D

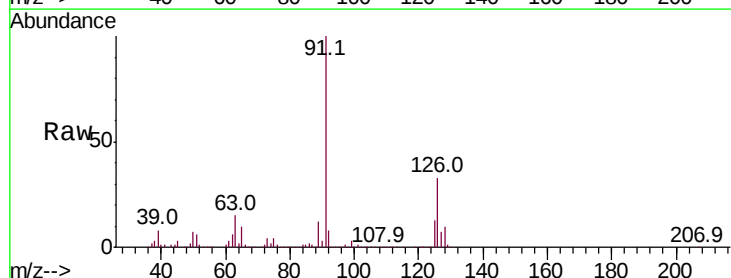
Acq: 9 Sep 2019 10:18

Tgt Ion: 91 Resp: 2016192

Ion Ratio Lower Upper

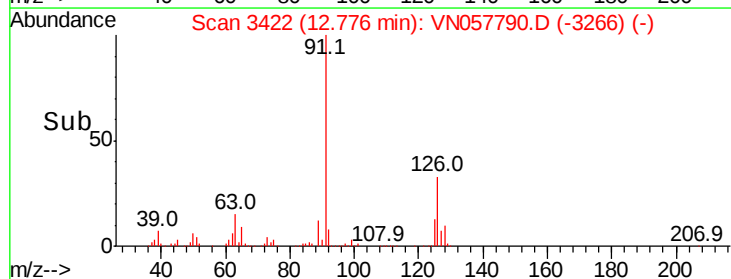
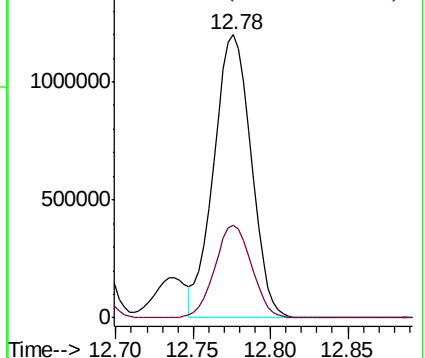
91 100

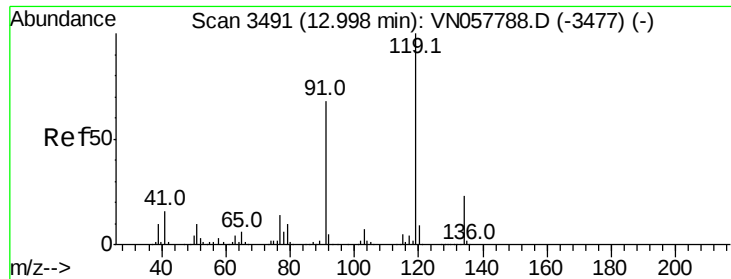
126 32.2 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

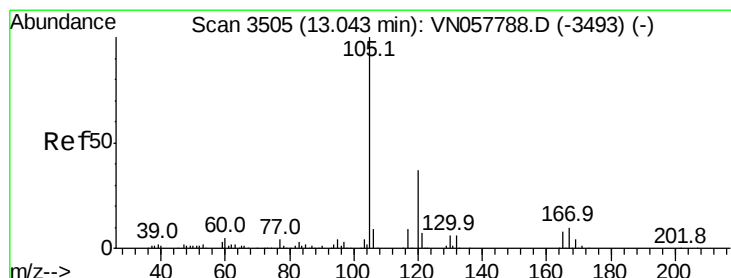
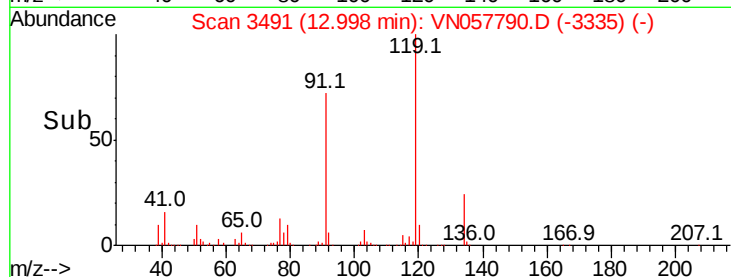
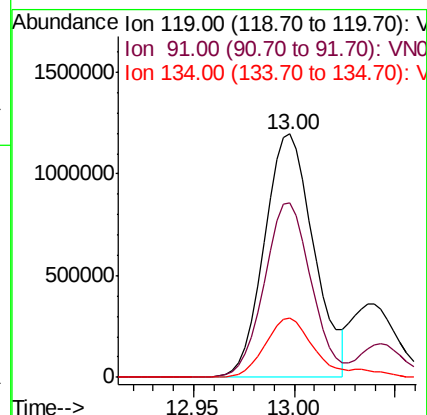
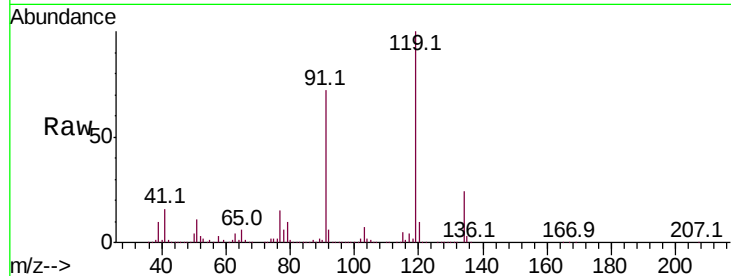




#79
tert-butylbenzene
Concen: 105.829 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

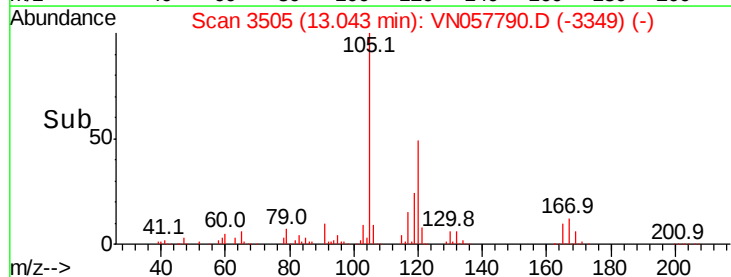
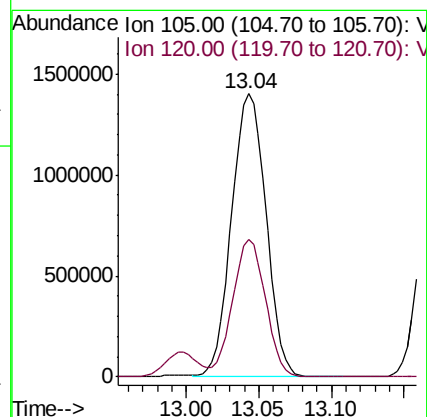
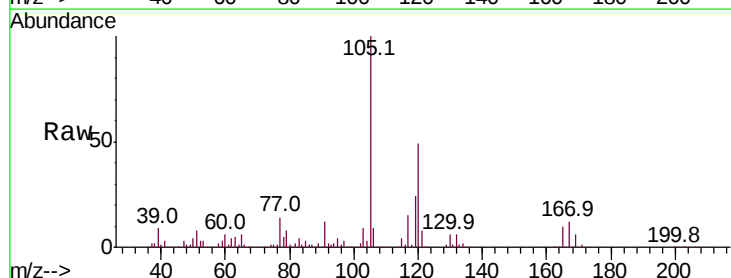
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

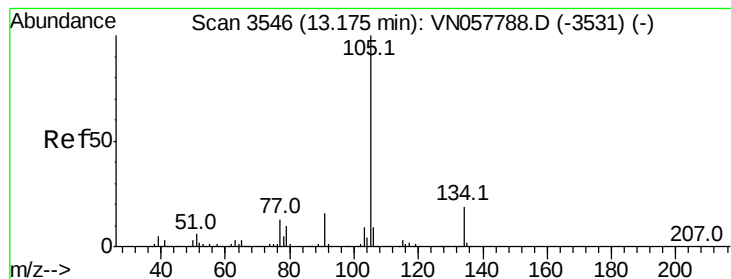
Tot Ion:119 Resp: 2043814
Ion Ratio Lower Upper
119 100
91 68.5 0.0 133.8
134 23.6 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 104.874 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion:105 Resp: 2313208
Ion Ratio Lower Upper
105 100
120 46.5 0.0 87.8





#81

sec-Butylbenzene

Concen: 103.918 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

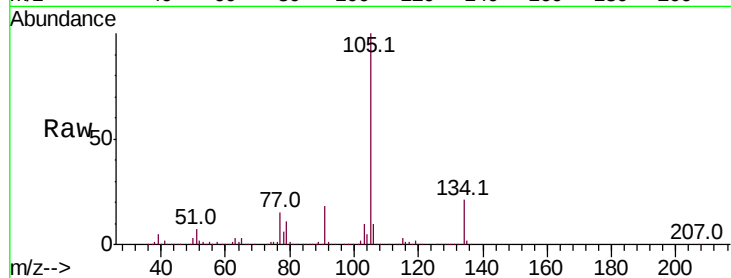
VSTDIC100

Tot Ion:105 Resp: 2662760

Ion Ratio Lower Upper

105 100

134 20.1 0.0 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1500000

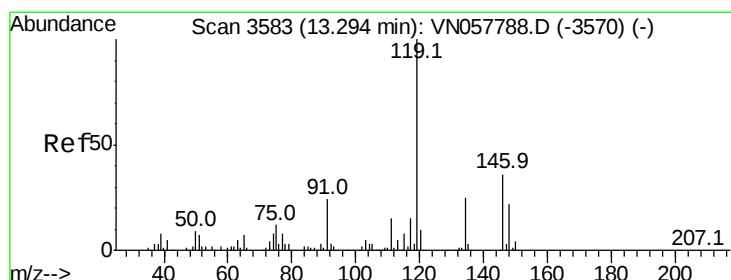
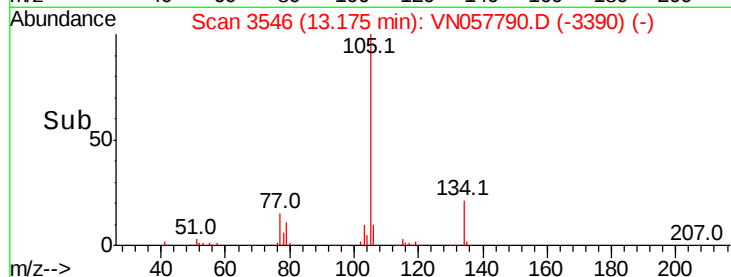
1000000

500000

0

Time-->

13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 105.309 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

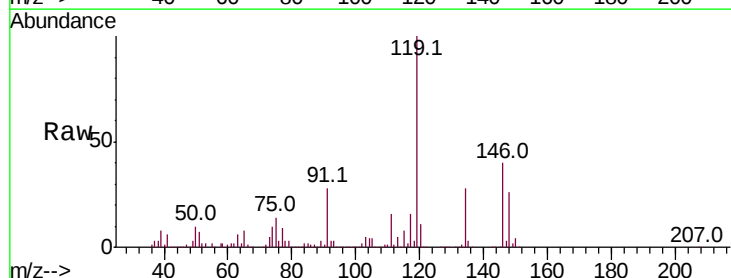
Tgt Ion:119 Resp: 2416561

Ion Ratio Lower Upper

119 100

134 26.7 0.0 50.4

91 26.0 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

2000000

1500000

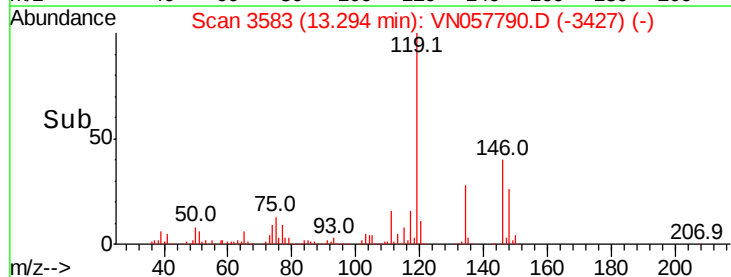
1000000

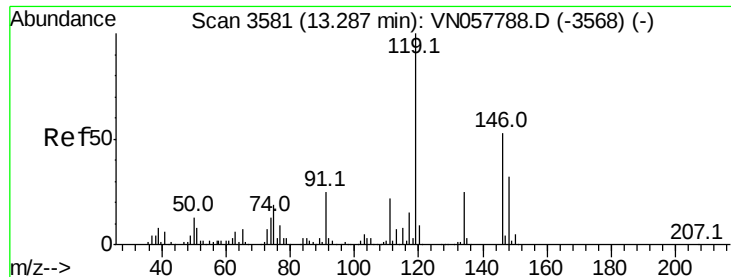
500000

0

Time-->

13.20 13.25 13.30 13.35



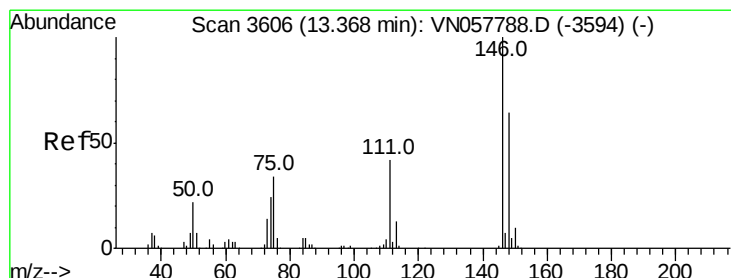
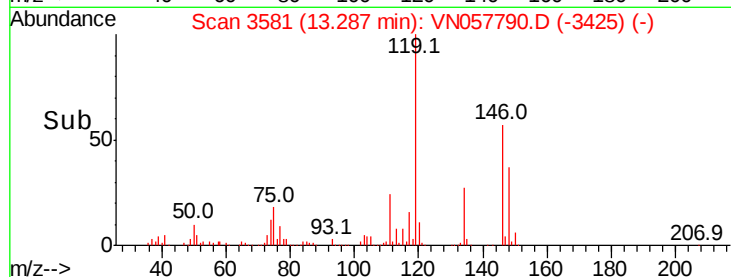
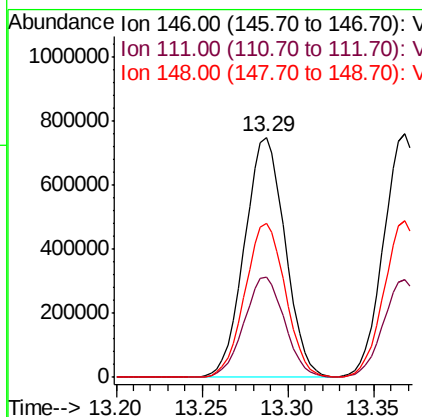
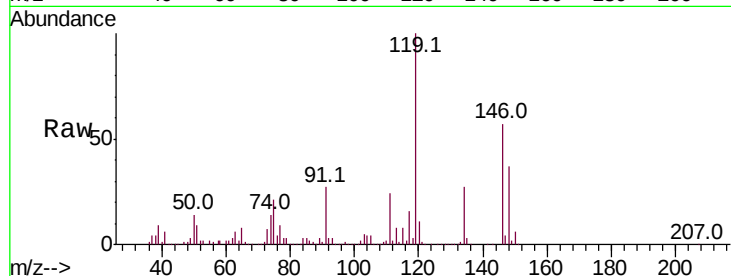


#83
 1,3-Dichlorobenzene
 Concen: 106.288 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1229597

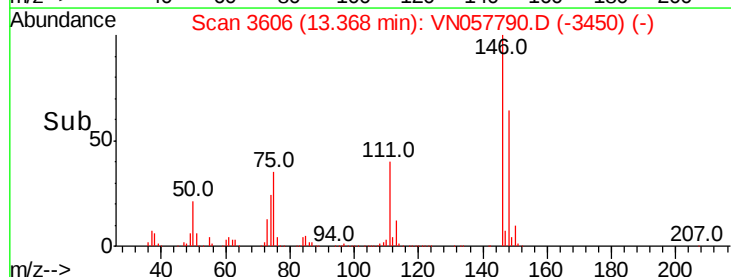
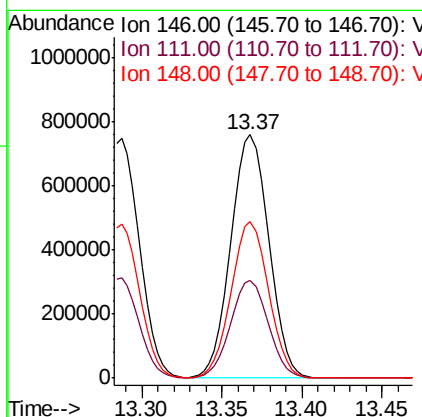
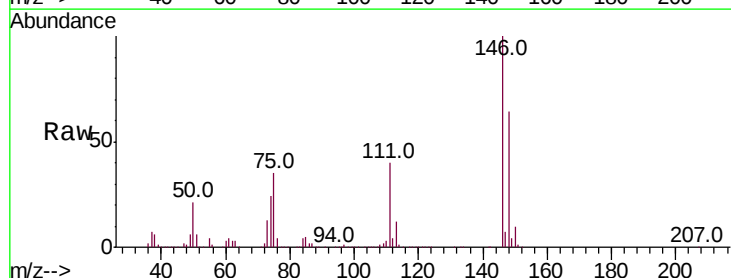
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	63.9	30.9	92.5

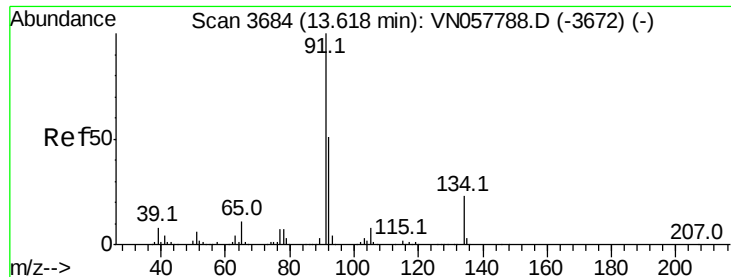


#84
 1,4-Dichlorobenzene
 Concen: 107.899 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion:146 Resp: 1228924

Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.4
148	63.3	31.7	95.1

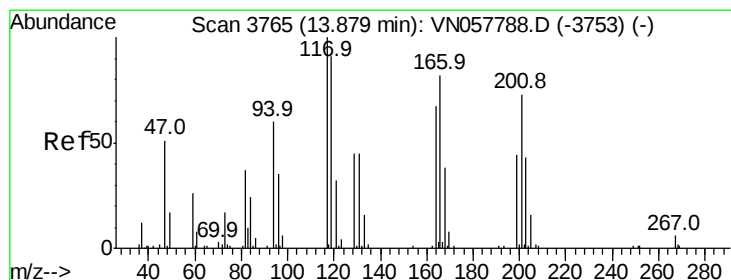
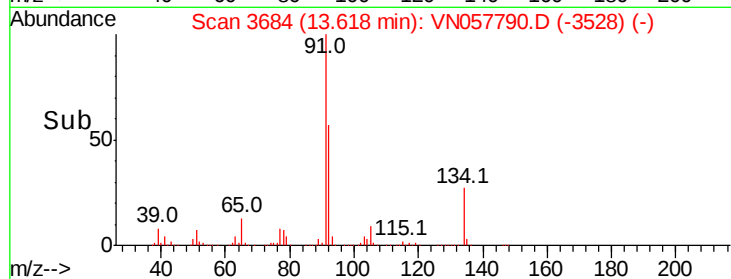
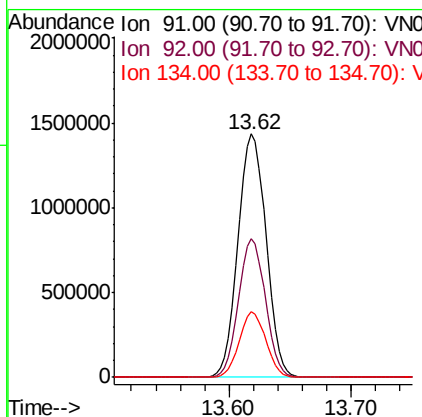
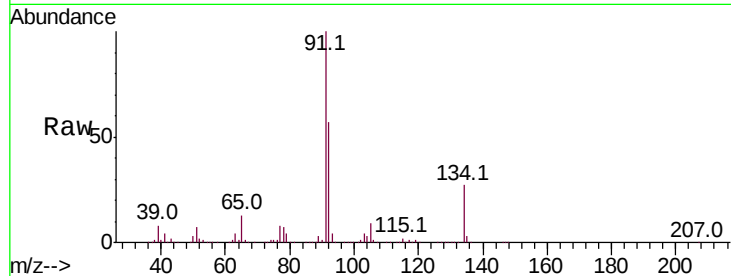




#85
n-Butylbenzene
Concen: 106.686 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

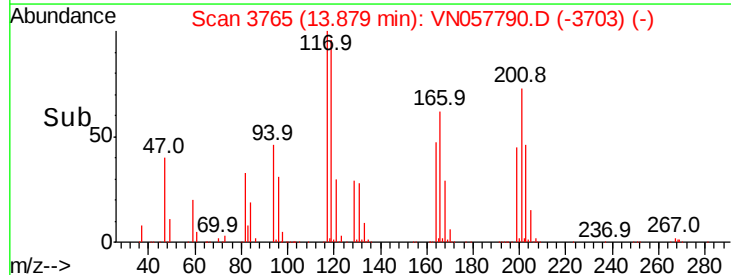
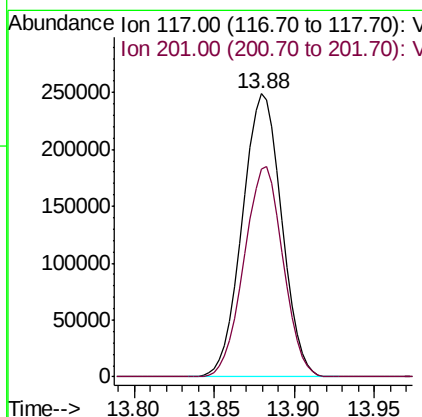
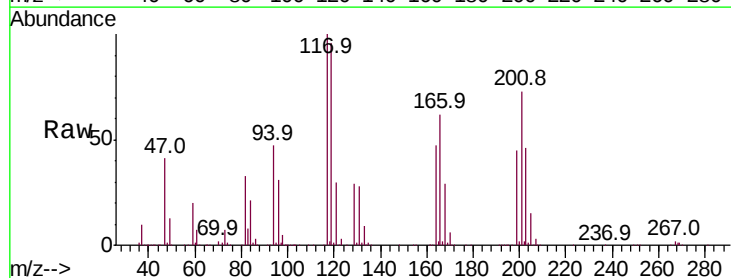
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

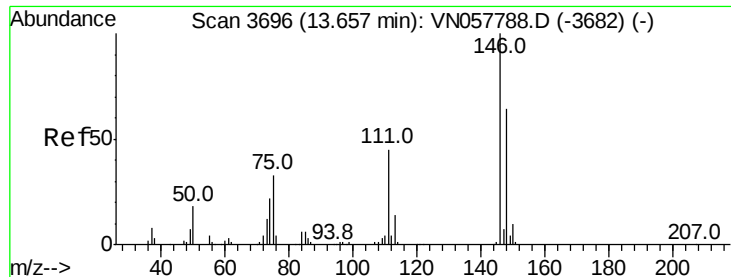
Tot Ion: 91 Resp: 2281603
Ion Ratio Lower Upper
91 100
92 54.5 0.0 100.0
134 25.5 0.0 46.6



#86
Hexachloroethane
Concen: 114.209 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 117 Resp: 417445
Ion Ratio Lower Upper
117 100
201 73.9 36.7 110.1





#87

1,2-Dichlorobenzene

Concen: 106.276 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

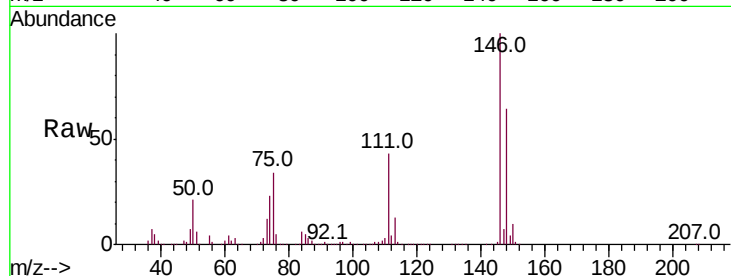
Tot Ion:146 Resp: 1193441

Ion Ratio Lower Upper

146 100

111 42.8 22.2 66.6

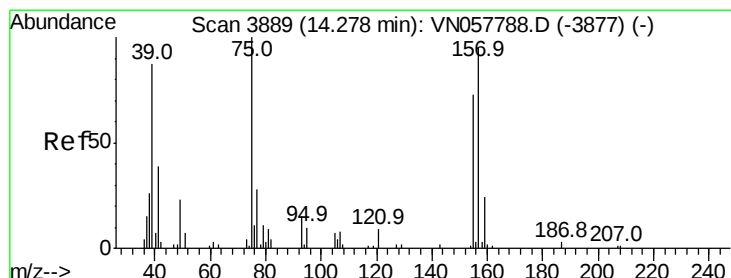
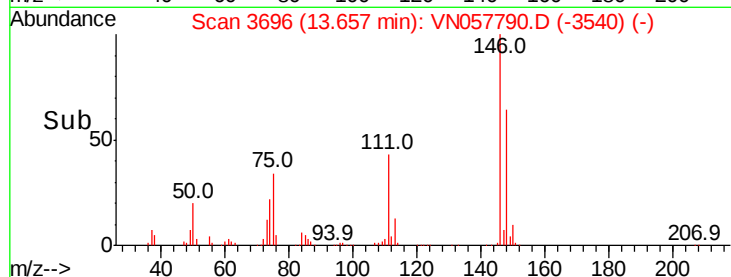
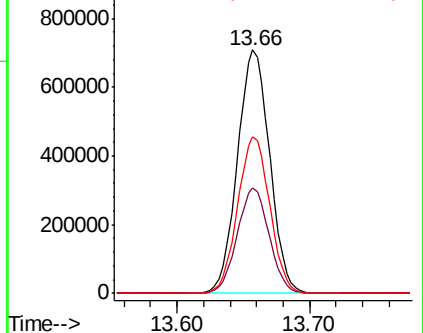
148 64.1 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 113.012 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

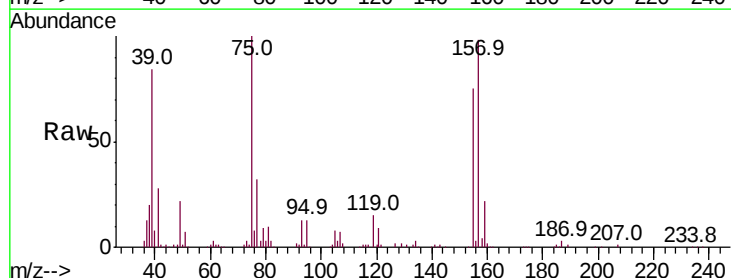
Tgt Ion: 75 Resp: 161666

Ion Ratio Lower Upper

75 100

155 74.9 59.4 89.2

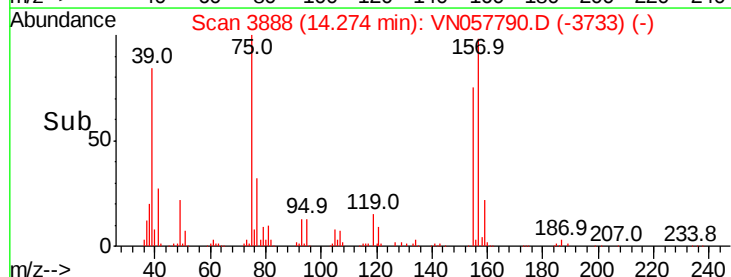
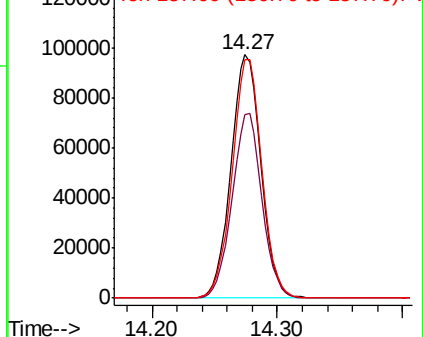
157 96.3 74.6 112.0

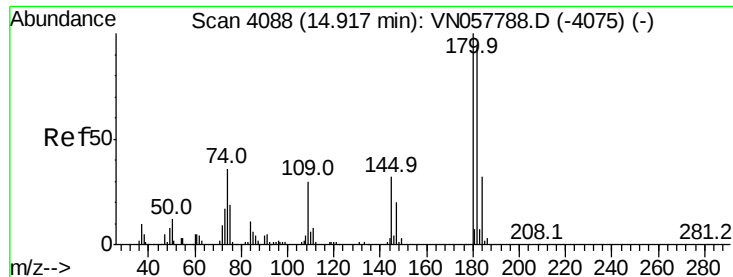


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

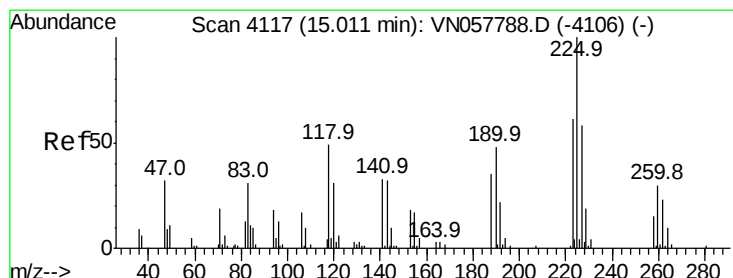
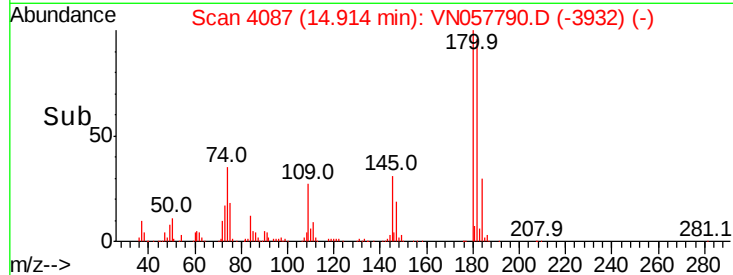
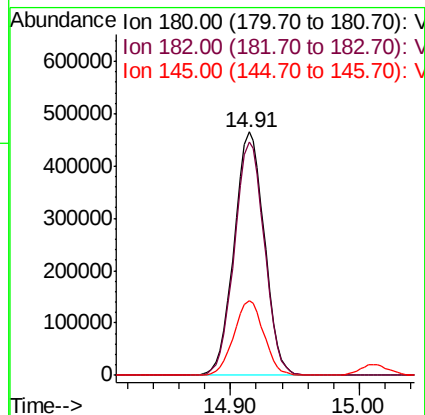
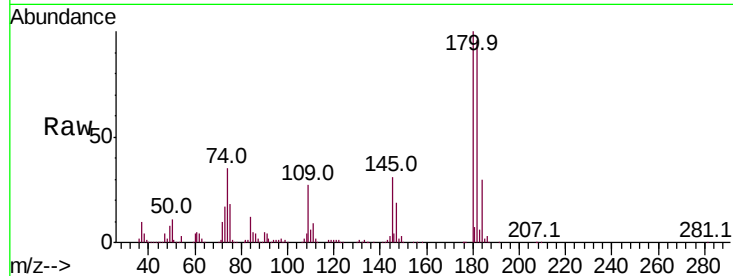




#89
 1,2,4-Trichlorobenzene
 Concen: 110.142 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

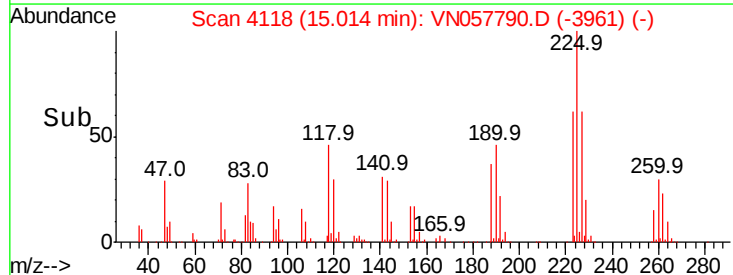
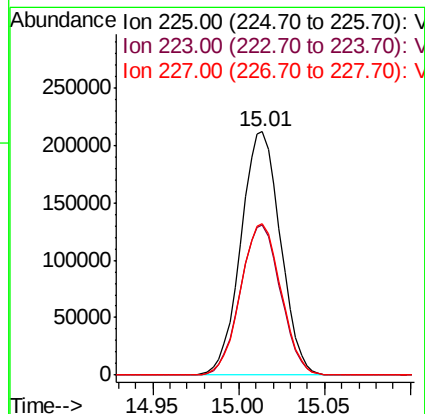
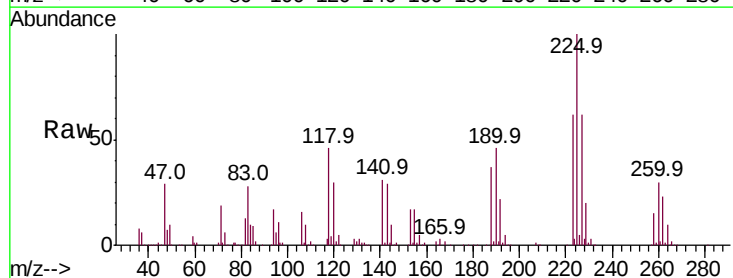
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

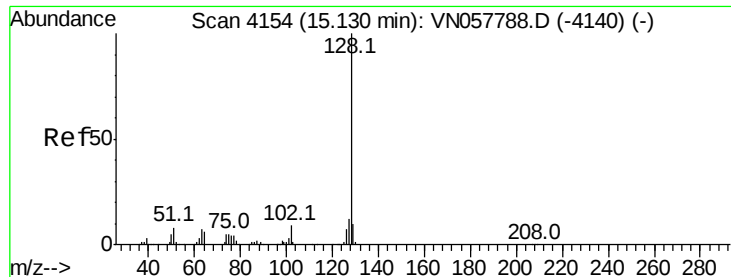
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
145	30.5	26.1	39.1



#90
 Hexachlorobutadiene
 Concen: 107.602 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	125.0
227	63.5	0.0	123.8





#91

Naphthalene

Concen: 113.246 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

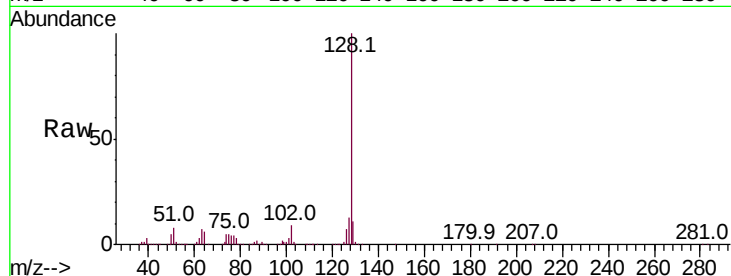
Tot Ion:128 Resp: 2137493

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

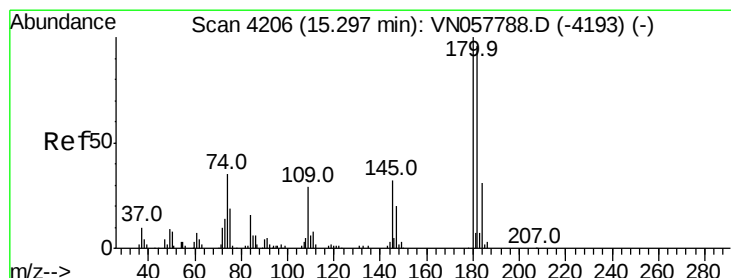
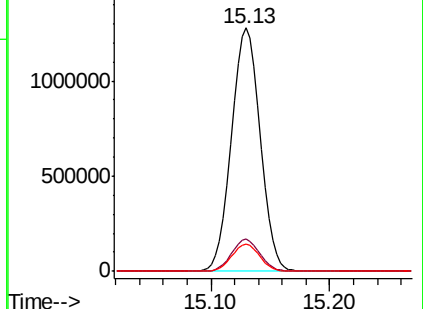
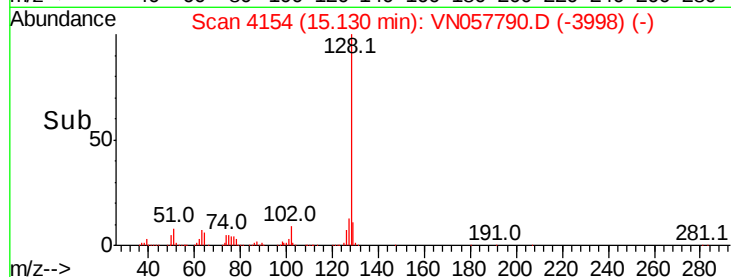
129 11.0 8.1 12.1



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: 110.064 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

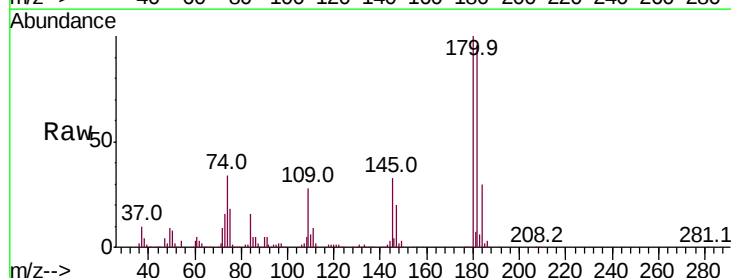
Tgt Ion:180 Resp: 720053

Ion Ratio Lower Upper

180 100

182 95.3 0.0 189.8

145 32.1 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

