

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058355.D
 Acq On : 25 Sep 2019 10:46
 Operator : JC/SP
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Quant Time: Sep 26 01:07:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	437334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313033	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.57	113	225960	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	865696	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.41	95	311379	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65214	18.152	ug/l	99
3) Chloromethane	2.04	50	54618	19.084	ug/l	99
4) Vinyl Chloride	2.17	62	59382	19.049	ug/l	99
5) Bromomethane	2.55	94	30499	19.474	ug/l	91
6) Chloroethane	2.69	64	41184	20.187	ug/l	99
7) Trichlorofluoromethane	3.00	101	93658	19.099	ug/l	98
8) Diethyl Ether	3.39	74	41987	18.687	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69836	19.753	ug/l	100
10) Methyl Iodide	3.93	142	50849	17.164	ug/l	99
11) Tert butyl alcohol	4.76	59	81291	112.193	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	53365	19.674	ug/l	99
13) Acrolein	3.60	56	5849	54.471	ug/l	100
14) Allyl chloride	4.30	41	109437	18.916	ug/l	96
15) Acrylonitrile	4.97	53	208642	108.080	ug/l	99
16) Acetone	3.80	43	213638	103.327	ug/l	98
17) Carbon Disulfide	4.03	76	66362	17.747	ug/l	99
18) Methyl Acetate	4.30	43	114936	21.126	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	278471	20.883	ug/l	98
20) Methylene Chloride	4.53	84	74101	20.339	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	58691	19.831	ug/l	93
22) Diisopropyl ether	5.93	45	301784	20.535	ug/l	97
23) Vinyl Acetate	5.87	43	1068385	106.246	ug/l	100
24) 1,1-Dichloroethane	5.83	63	157459	20.075	ug/l	98
25) 2-Butanone	6.82	43	298292	105.895	ug/l	97
26) 2,2-Dichloropropane	6.81	77	125516	18.863	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	86024	19.397	ug/l	97
28) Bromochloromethane	7.18	49	76062	20.499	ug/l	97
29) Tetrahydrofuran	7.19	42	180525	104.043	ug/l	99
30) Chloroform	7.36	83	168305	19.935	ug/l	100
31) Cyclohexane	7.64	56	105270	19.280	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	130193	20.256	ug/l	99
36) 1,1-Dichloropropene	7.78	75	95277	17.605	ug/l	99
37) Ethyl Acetate	6.91	43	119690	21.311	ug/l	98
38) Carbon Tetrachloride	7.76	117	100324	18.441	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	94875	18.177	ug/l	97
40) Benzene	8.03	78	310291	18.771	ug/l	99
41) Methacrylonitrile	7.15	41	50310	18.368	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	135707	19.565	ug/l	100
43) Isopropyl Acetate	8.15	43	198980	18.970	ug/l	98
44) Trichloroethene	8.82	130	77029	19.043	ug/l	99
45) 1,2-Dichloropropane	9.11	63	99778	20.212	ug/l	100
46) Dibromomethane	9.20	93	59300	19.758	ug/l	99
47) Bromodichloromethane	9.39	83	126332	20.092	ug/l	99
48) Methyl methacrylate	9.19	41	97490	20.470	ug/l	99
49) 1,4-Dioxane	9.19	88	35321	451.721	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	640633	114.986	ug/l	98
52) Toluene	10.15	92	195198	18.842	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	125166	19.434	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	136063	19.134	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	94469	20.549	ug/l	97
56) Ethyl methacrylate	10.43	69	133254	20.089	ug/l	100
57) 1,3-Dichloropropane	10.71	76	155779	19.711	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	326392	103.305	ug/l	99
59) 2-Hexanone	10.75	43	452899	109.453	ug/l	99
60) Dibromochloromethane	10.90	129	86593	19.579	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84674	19.874	ug/l	100
64) Tetrachloroethene	10.63	164	60491	18.665	ug/l	96
65) Chlorobenzene	11.44	112	228594	19.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87329	20.595	ug/l	98
67) Ethyl Benzene	11.51	91	400388	19.982	ug/l	99
68) m/p-Xylenes	11.62	106	287020	38.033	ug/l	96
69) o-Xylene	11.95	106	147748	19.911	ug/l	97
70) Styrene	11.97	104	250322	19.579	ug/l	99
71) Bromoform	12.13	173	54502	19.685	ug/l #	99
73) Isopropylbenzene	12.25	105	410490	21.252	ug/l	99
74) N-amyl acetate	12.08	43	175419	21.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	145308	22.465	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	167501	30.330	ug/l #	100
77) Bromobenzene	12.53	156	96502	19.862	ug/l	97
78) n-propylbenzene	12.60	91	480245	21.880	ug/l	99
79) 2-Chlorotoluene	12.68	91	287116	20.931	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	350782	21.477	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32460	21.251	ug/l	94
82) 4-Chlorotoluene	12.78	91	298217	20.682	ug/l	99
83) tert-Butylbenzene	13.00	119	316705	21.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	366047	22.520	ug/l	100
85) sec-Butylbenzene	13.18	105	417973	21.944	ug/l	100
86) p-Isopropyltoluene	13.30	119	369529	21.823	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	182973	20.619	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	179170	19.777	ug/l	98
89) n-Butylbenzene	13.62	91	332472	20.710	ug/l	99
90) Hexachloroethane	13.88	117	55780	20.548	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	184787	20.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25146	21.594	ug/l	97

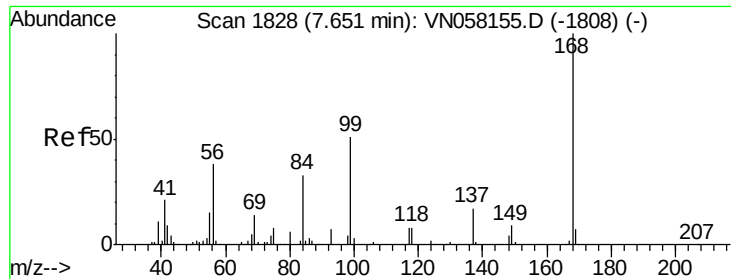
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111871	19.670	ug/l	99
94) Hexachlorobutadiene	15.02	225	55116	20.050	ug/l	98
95) Naphthalene	15.14	128	330591	22.429	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106781	19.864	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

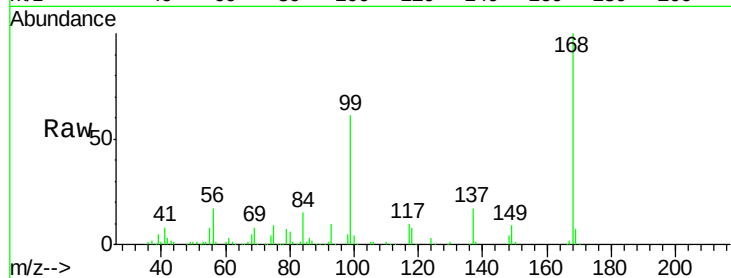
VN0925WBS01

Tot Ion:168 Resp: 437334

Ion Ratio Lower Upper

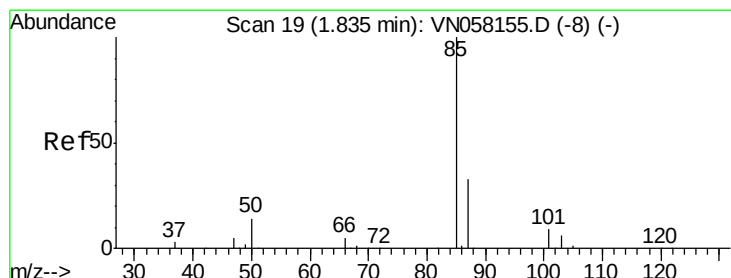
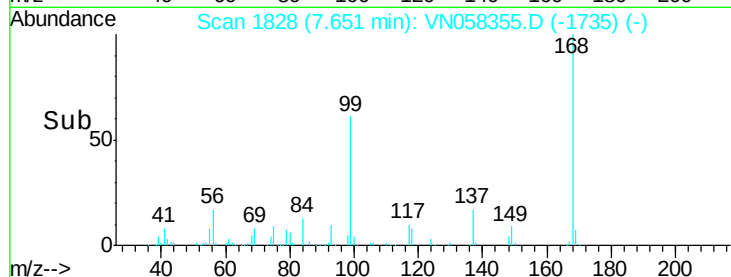
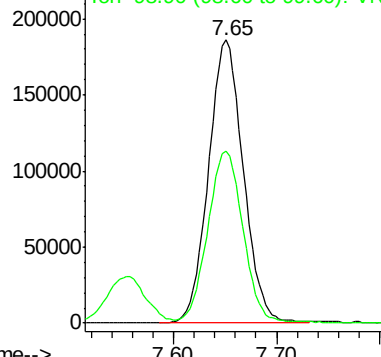
168 100

99 60.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.152 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058355.D

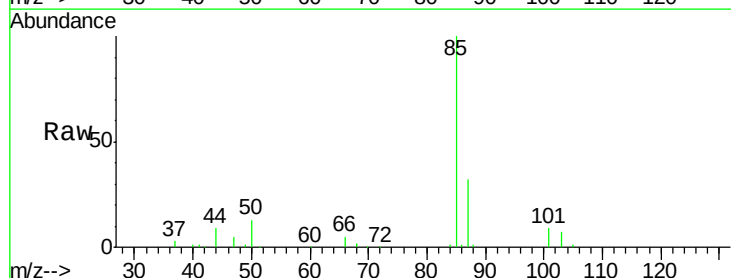
Acq: 25 Sep 2019 10:46

Tgt Ion: 85 Resp: 65214

Ion Ratio Lower Upper

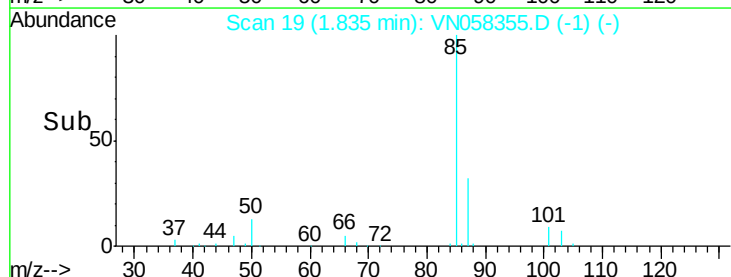
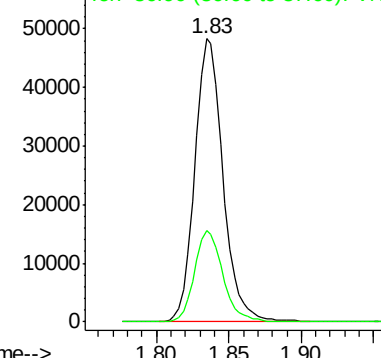
85 100

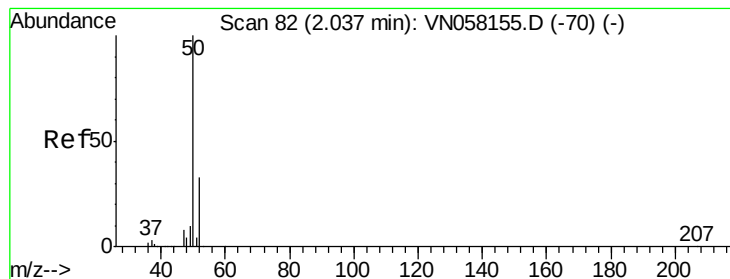
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.084 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

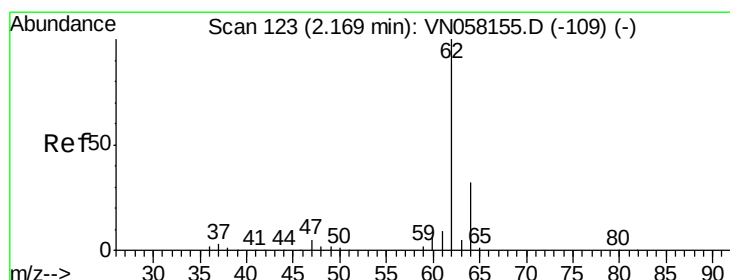
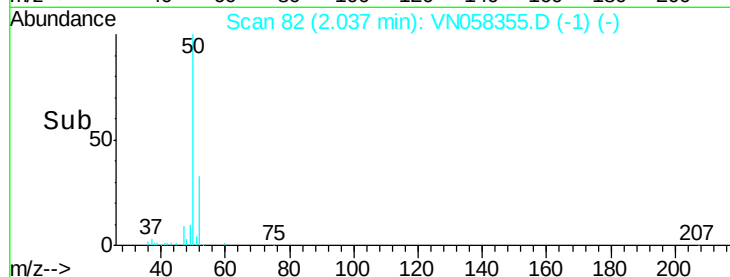
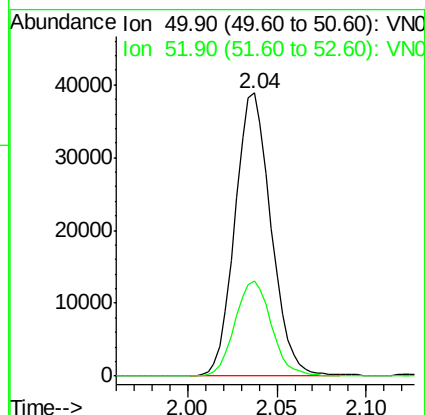
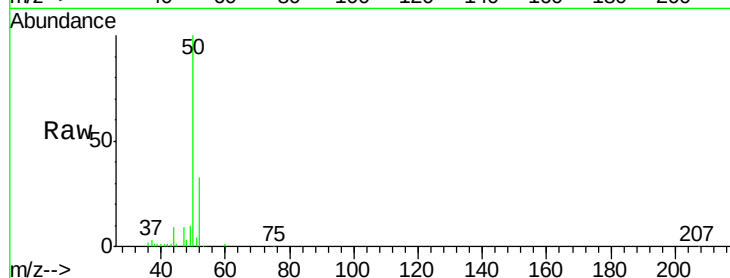
VN0925WBS01

Tot Ion: 50 Resp: 54618

Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5



#4

Vinyl Chloride

Concen: 19.049 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058355.D

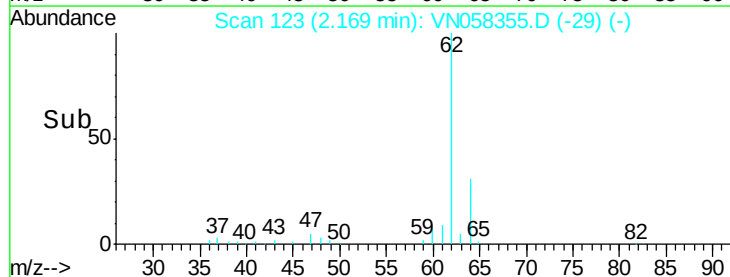
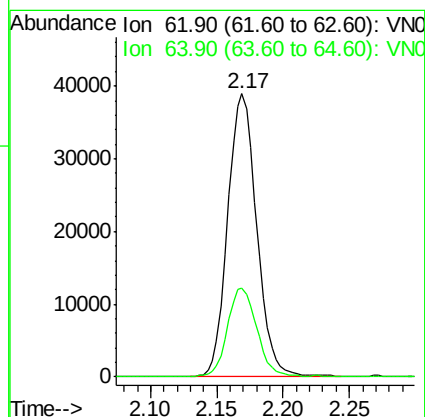
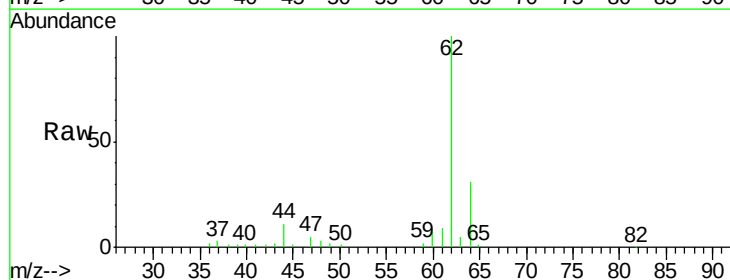
Acq: 25 Sep 2019 10:46

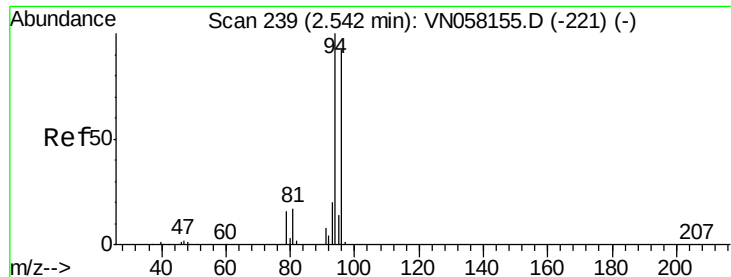
Tgt Ion: 62 Resp: 59382

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 19.474 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

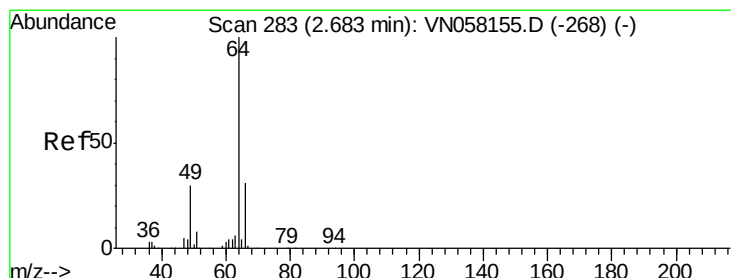
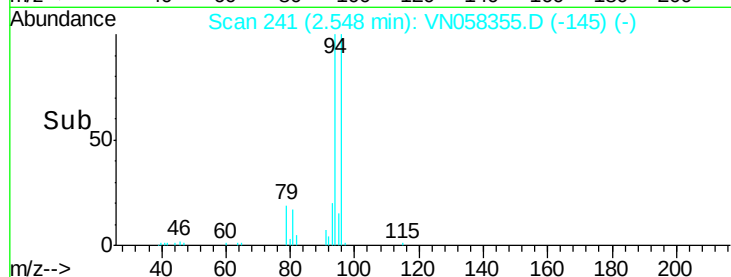
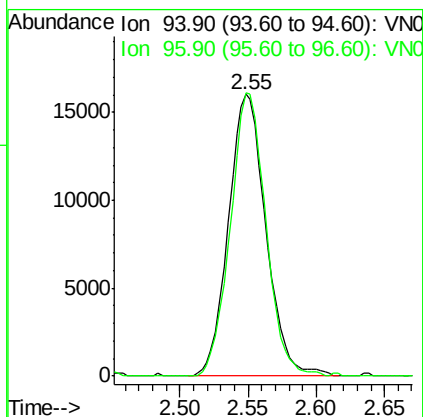
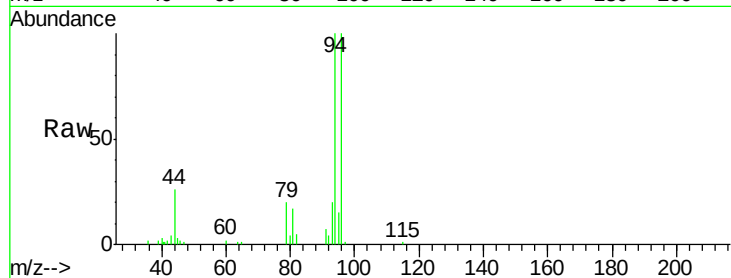
VN0925WBS01

Tot Ion: 94 Resp: 30499

Ion Ratio Lower Upper

94 100

96 100.4 73.3 109.9



#6

Chloroethane

Concen: 20.187 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058355.D

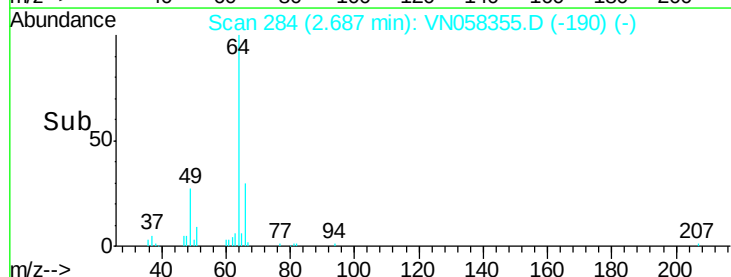
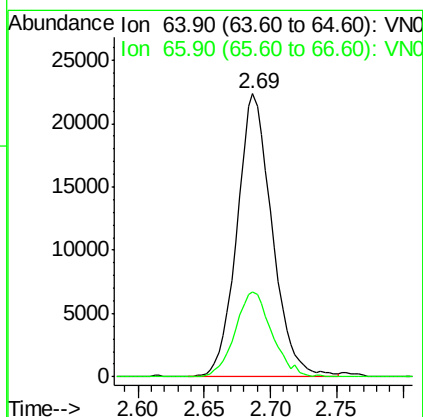
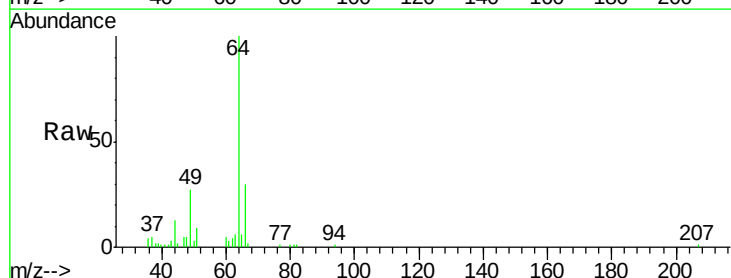
Acq: 25 Sep 2019 10:46

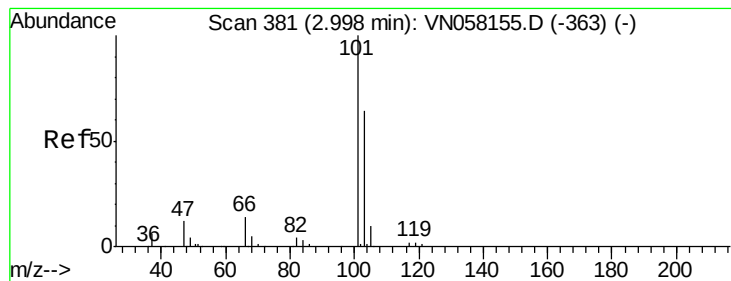
Tgt Ion: 64 Resp: 41184

Ion Ratio Lower Upper

64 100

66 30.2 24.6 37.0



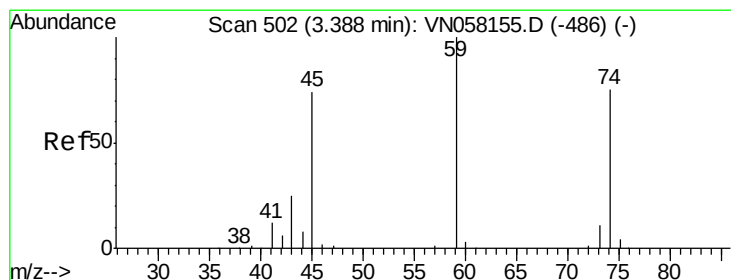
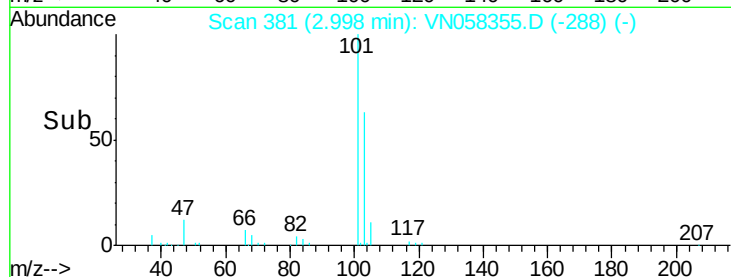
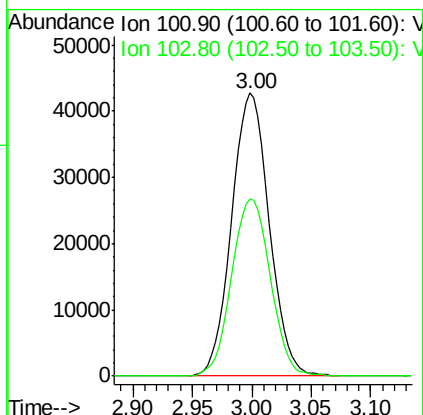
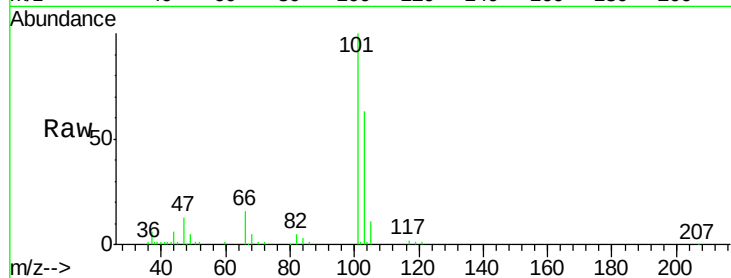


#7

Trichlorofluoromethane
 Concen: 19.099 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

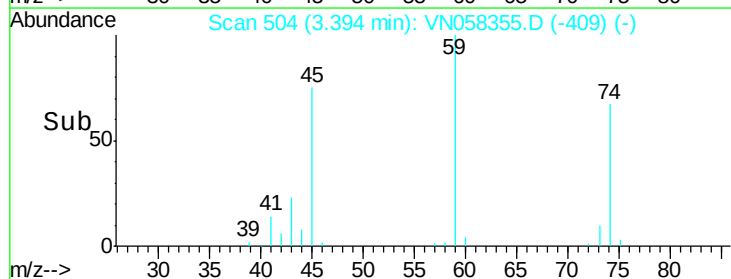
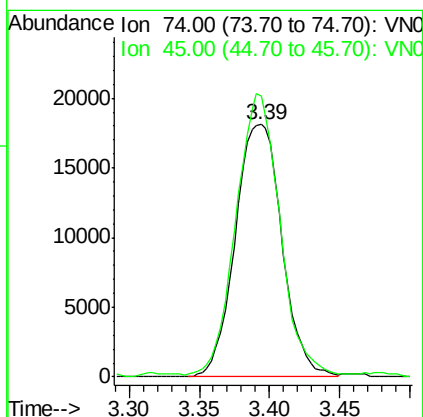
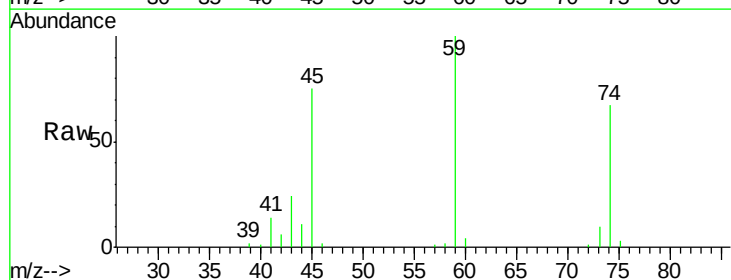
Tot Ion:101 Resp: 93658
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.0 76.6

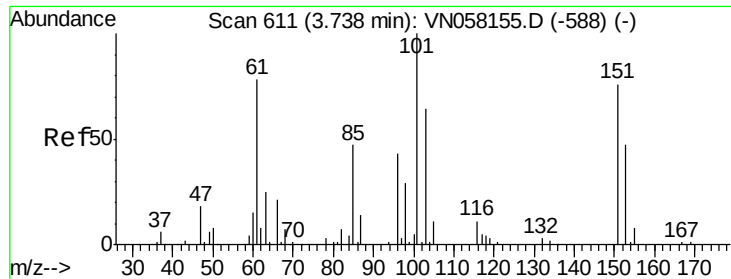


#8

Diethyl Ether
 Concen: 18.687 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 74 Resp: 41987
 Ion Ratio Lower Upper
 74 100
 45 103.9 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.753 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

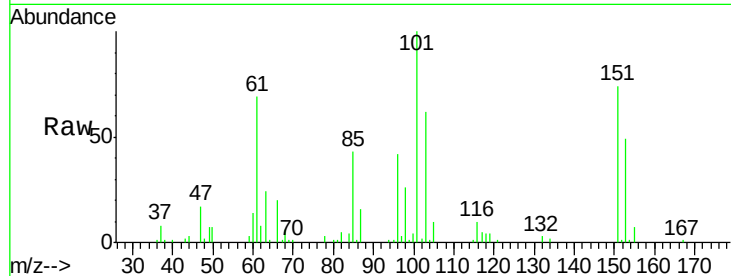
Tot Ion:101 Resp: 69836

Ion Ratio Lower Upper

101 100

85 46.2 37.3 55.9

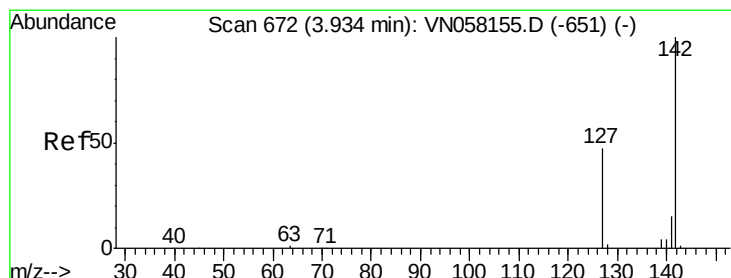
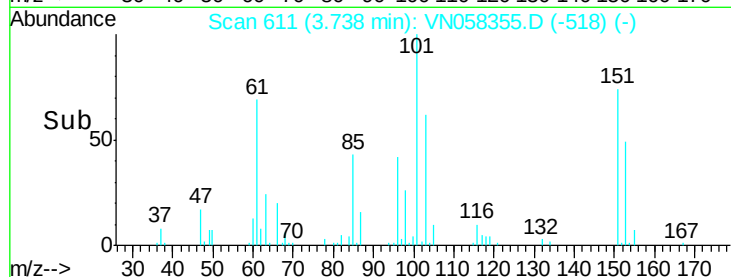
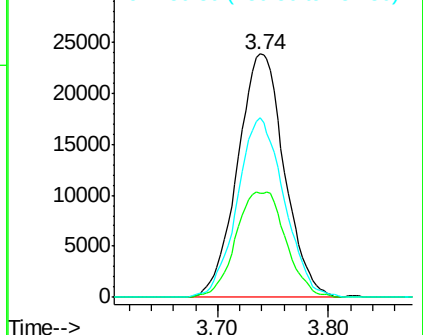
151 74.2 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.164 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

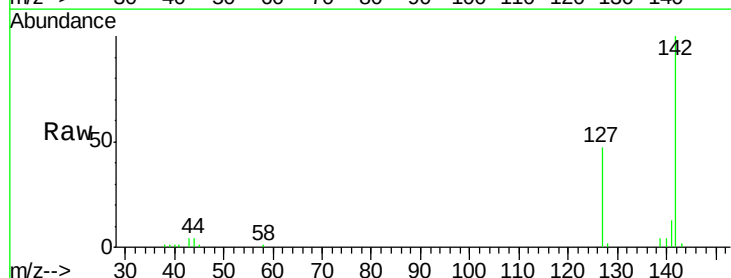
Tgt Ion:142 Resp: 50849

Ion Ratio Lower Upper

142 100

127 46.5 37.5 56.3

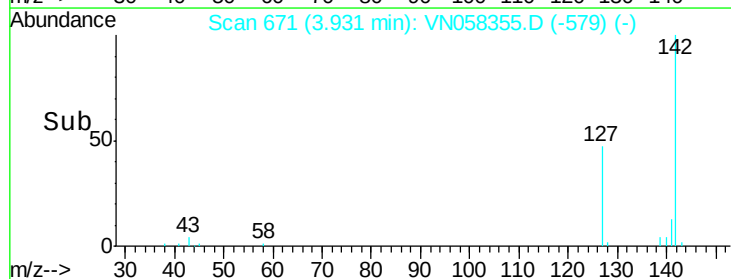
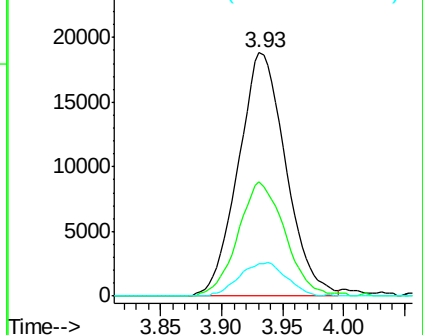
141 13.6 11.4 17.2

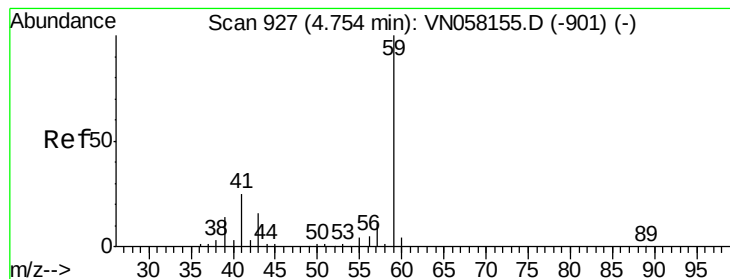


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



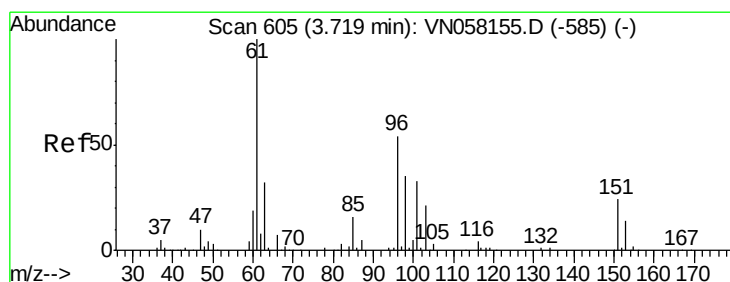
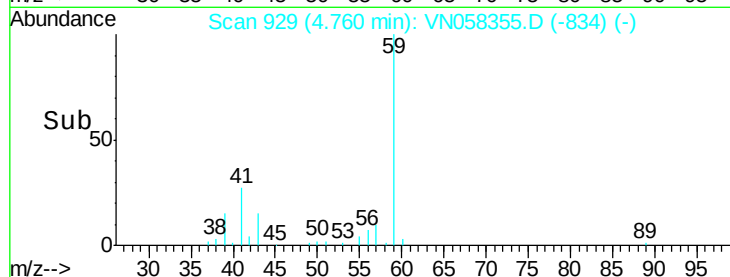
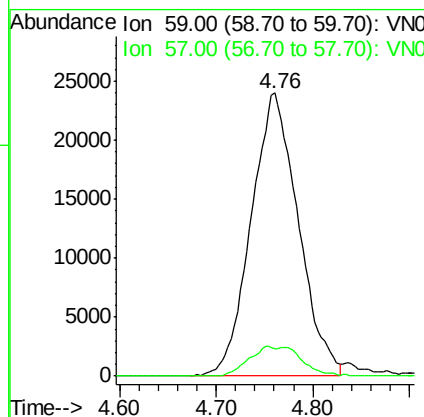
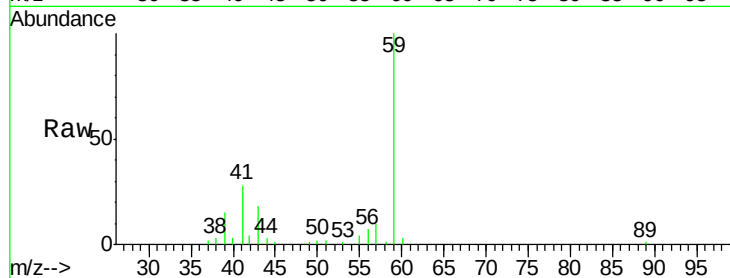


#11

Tert butyl alcohol
 Concen: 112.193 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

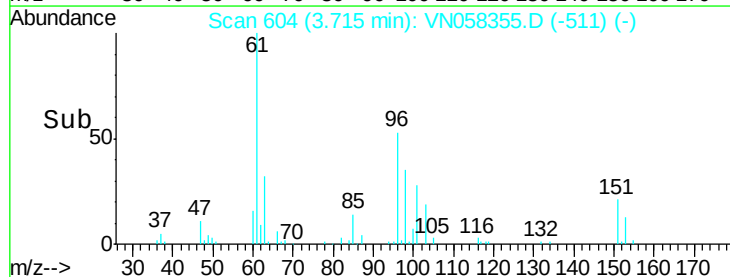
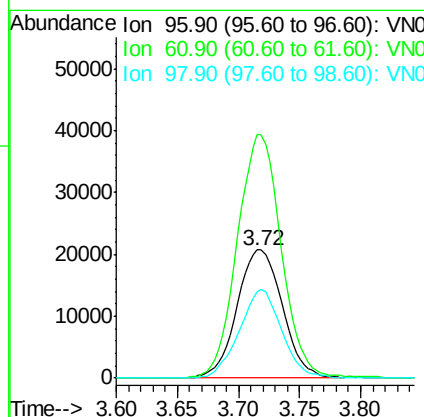
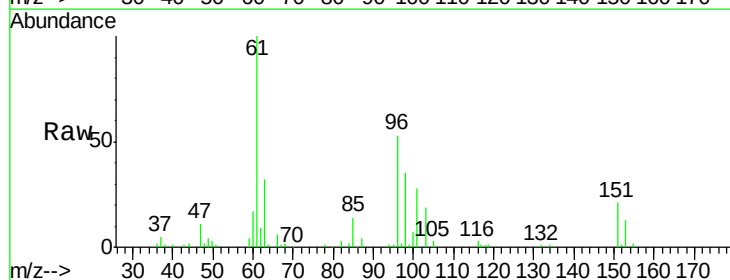
Tot Ion: 59 Resp: 81291
 Ion Ratio Lower Upper
 59 100
 57 6.4 8.6 13.0#

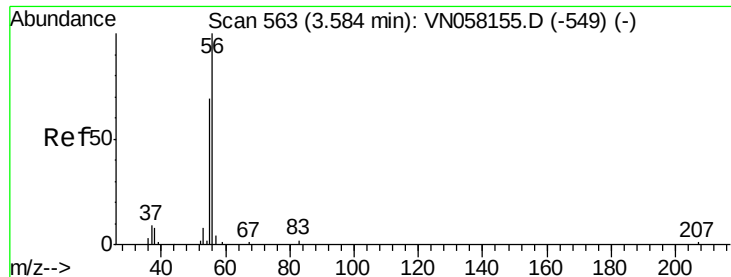


#12

1,1-Dichloroethene
 Concen: 19.674 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 96 Resp: 53365
 Ion Ratio Lower Upper
 96 100
 61 188.8 149.5 224.3
 98 66.8 52.4 78.6





#13

Acrolein

Concen: 54.471 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

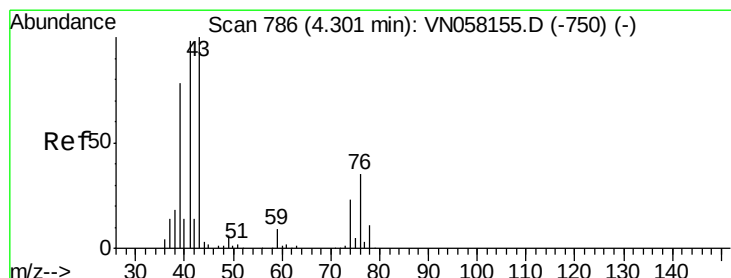
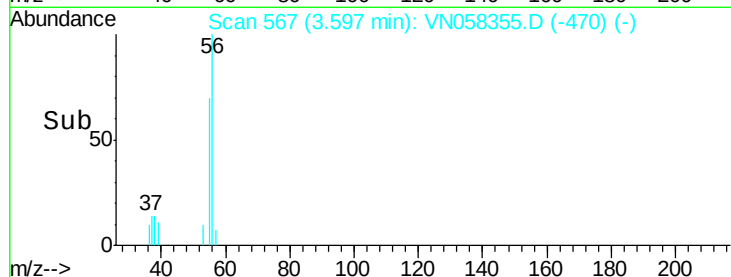
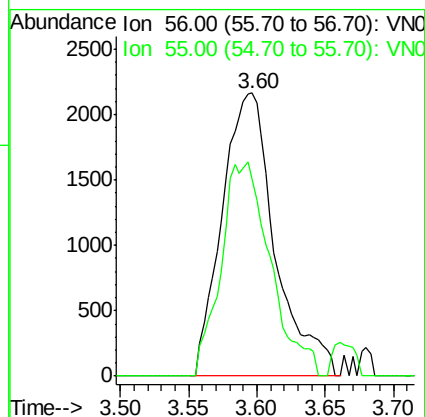
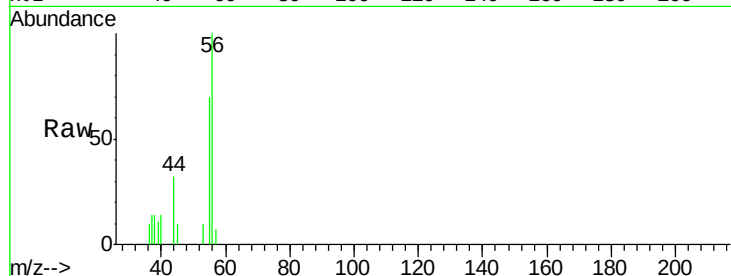
VN0925WBS01

Tot Ion: 56 Resp: 5849

Ion Ratio Lower Upper

56 100

55 70.4 56.1 84.1



#14

Allyl chloride

Concen: 18.916 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

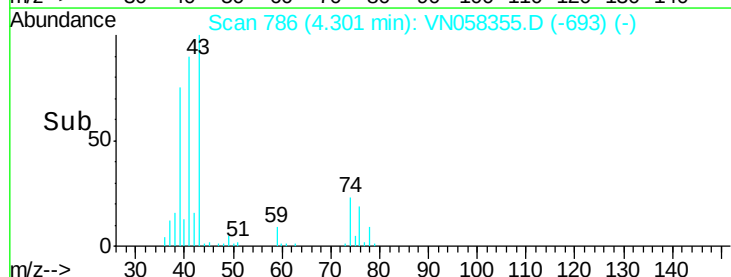
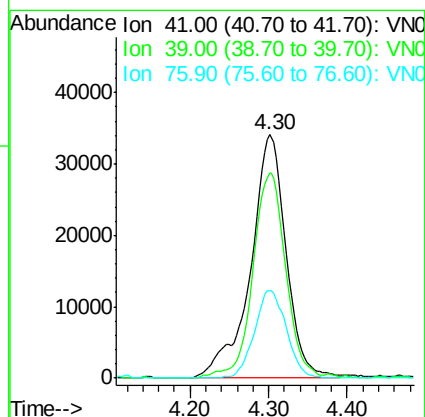
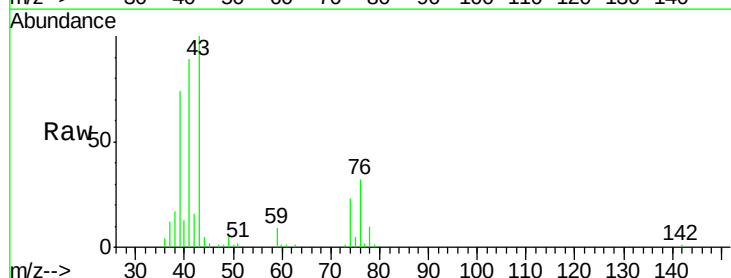
Tgt Ion: 41 Resp: 109437

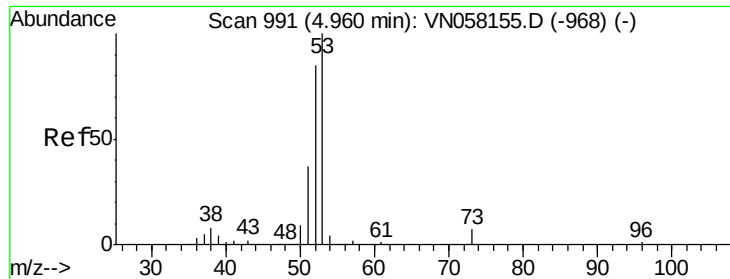
Ion Ratio Lower Upper

41 100

39 77.7 59.1 88.7

76 32.3 25.1 37.7





#15

Acrylonitrile

Concen: 108.080 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

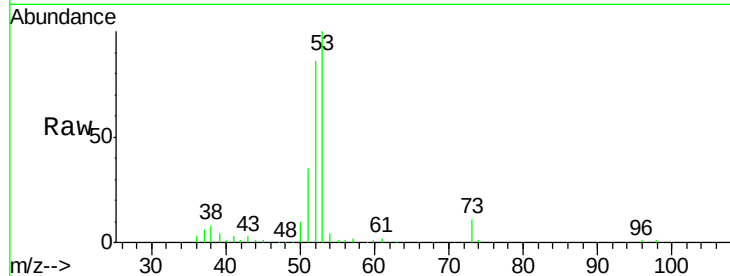
Tot Ion: 53 Resp: 208642

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

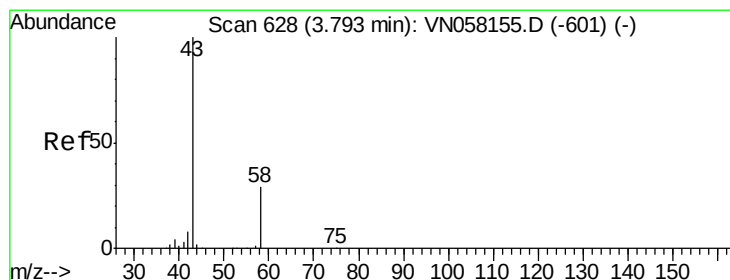
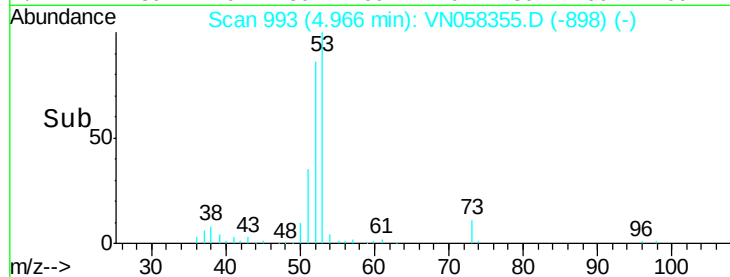
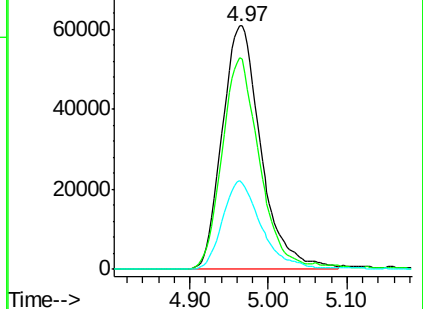
51 36.4 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 103.327 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058355.D

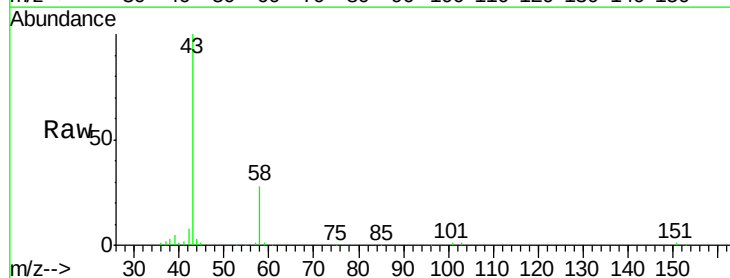
Acq: 25 Sep 2019 10:46

Tgt Ion: 43 Resp: 213638

Ion Ratio Lower Upper

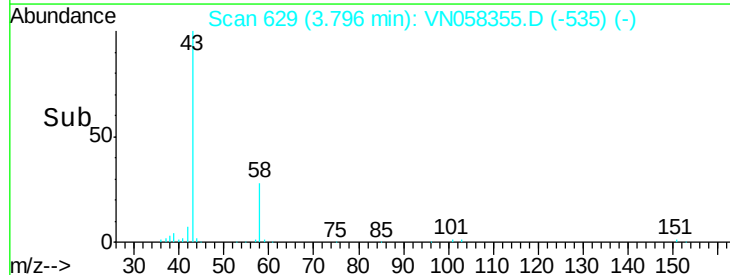
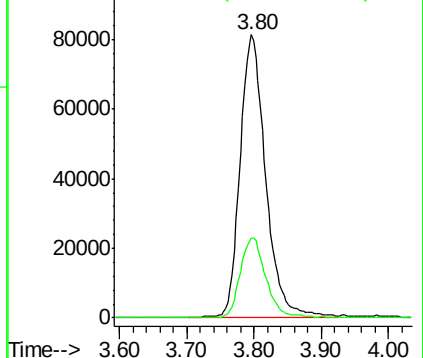
43 100

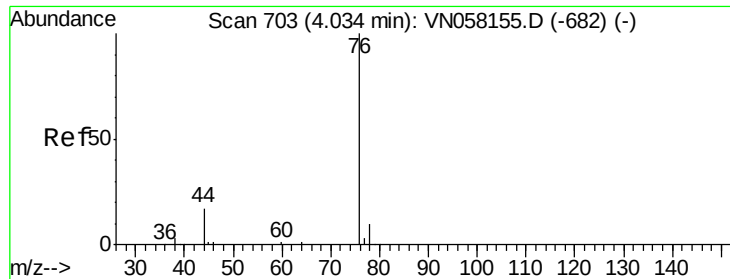
58 28.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

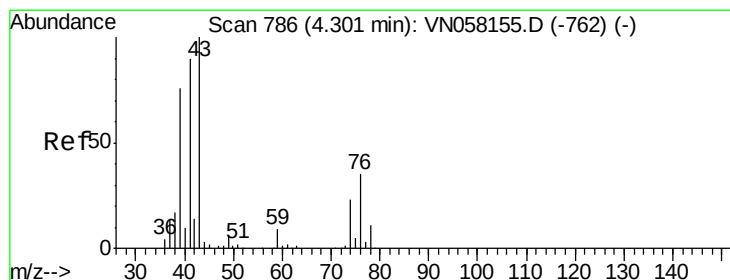
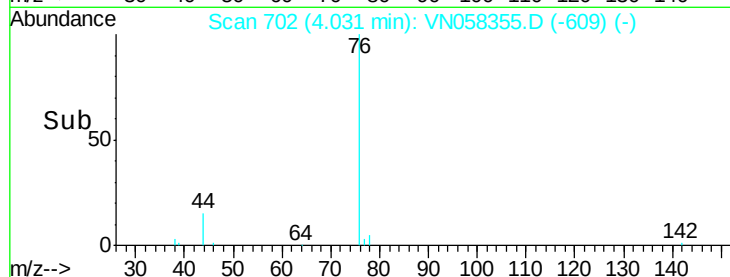
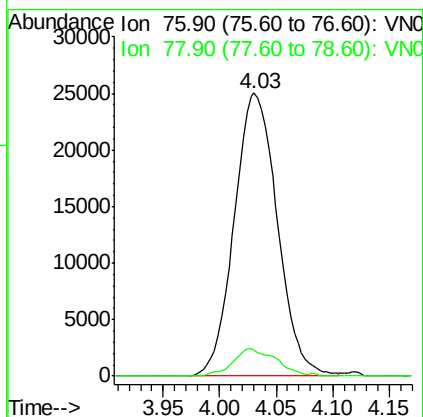
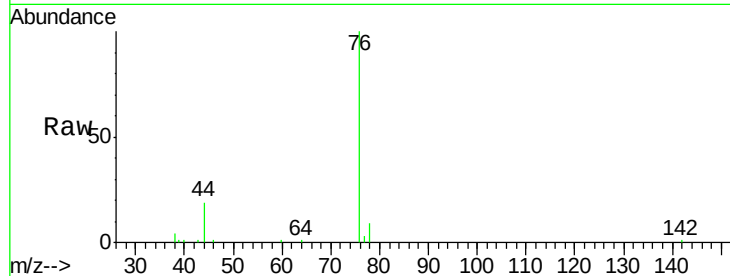




#17
Carbon Disulfide
Concen: 17.747 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

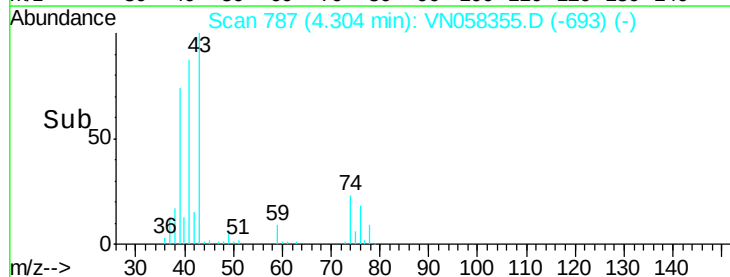
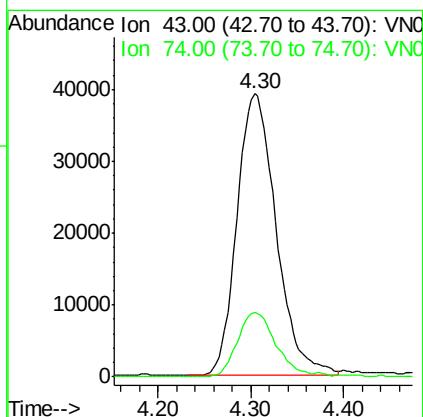
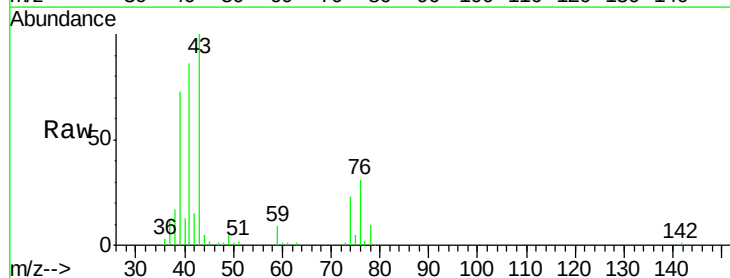
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

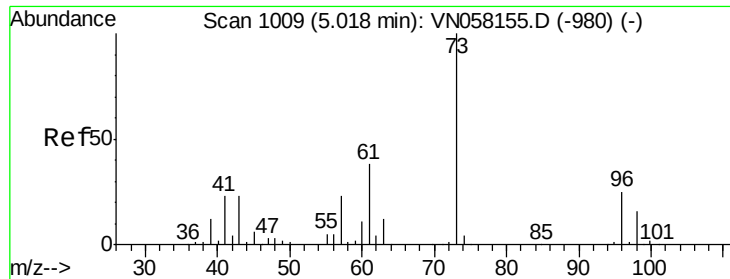
Tot Ion: 76 Resp: 66362
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5



#18
Methyl Acetate
Concen: 21.126 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 43 Resp: 114936
Ion Ratio Lower Upper
43 100
74 22.3 18.0 27.0

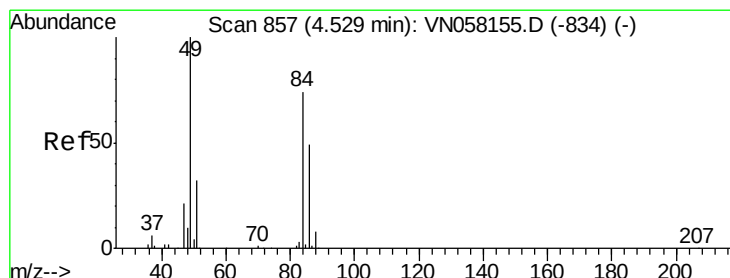
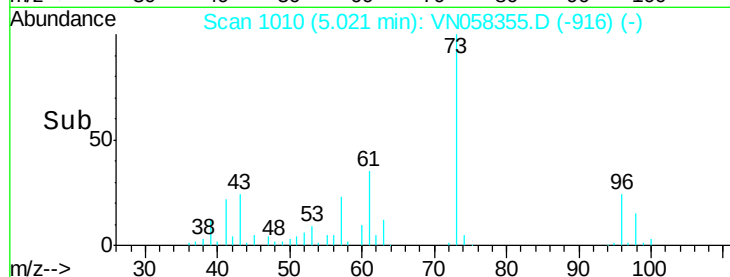
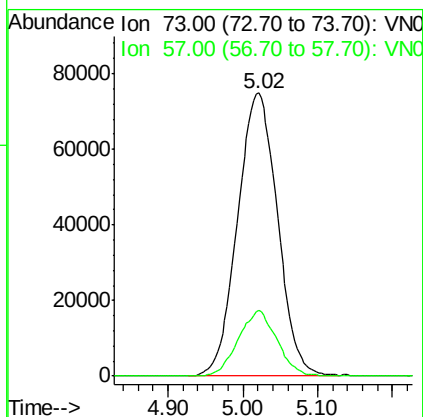
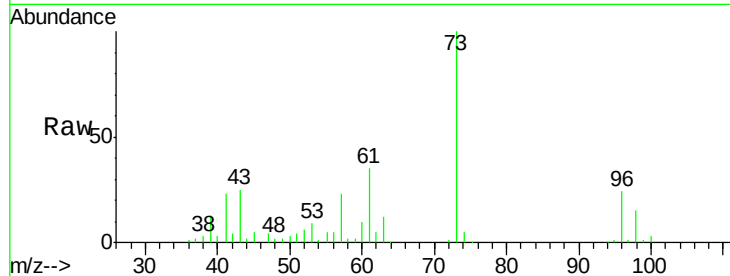




#19
Methyl tert-butyl Ether
Concen: 20.883 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

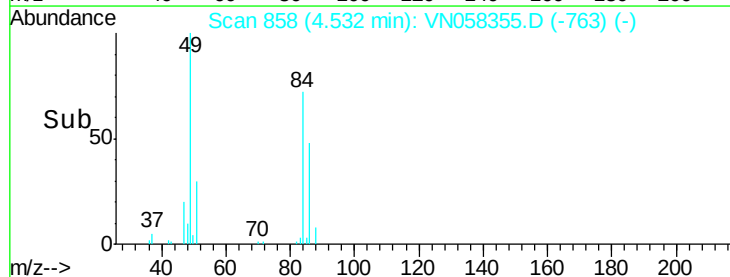
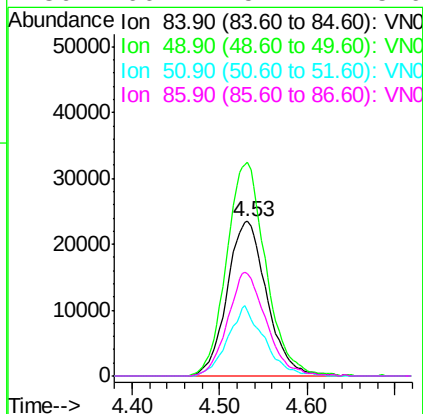
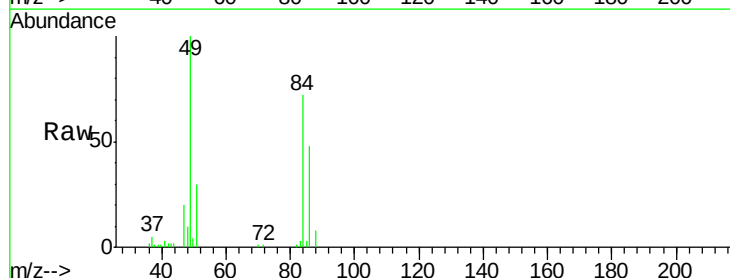
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

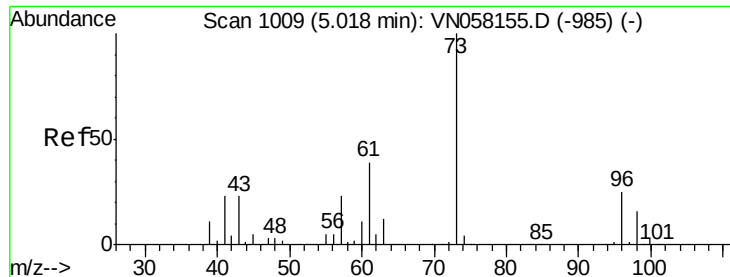
Tot Ion: 73 Resp: 278471
Ion Ratio Lower Upper
73 100
57 23.4 18.1 27.1



#20
Methylene Chloride
Concen: 20.339 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 84 Resp: 74101
Ion Ratio Lower Upper
84 100
49 138.2 107.5 161.3
51 41.9 33.9 50.9
86 66.4 52.4 78.6

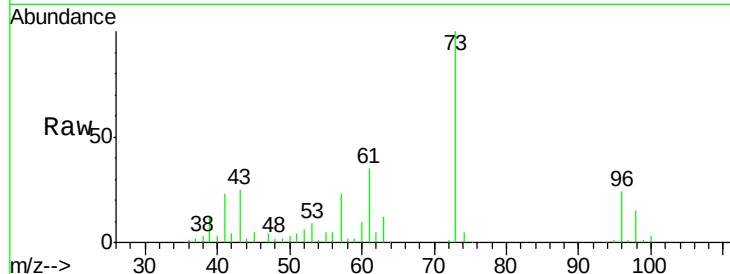




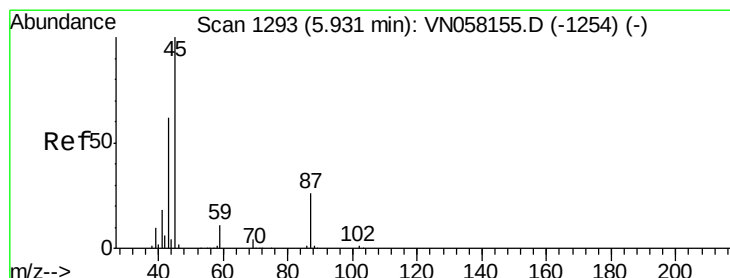
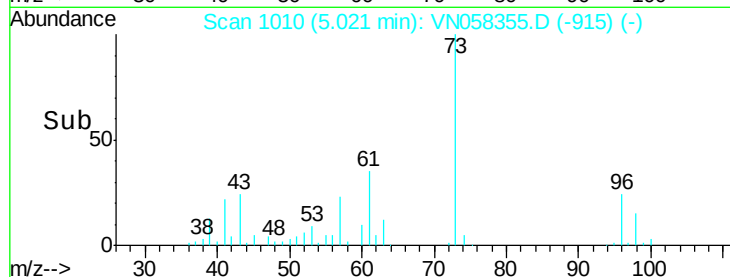
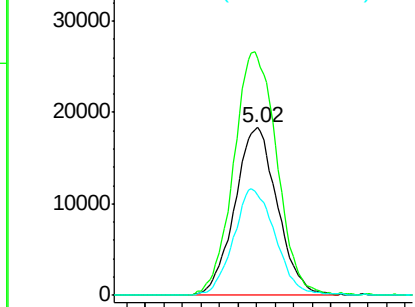
#21
trans-1,2-Dichloroethene
Concen: 19.831 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion: 96 Resp: 58691
Ion Ratio Lower Upper
96 100
61 141.5 122.2 183.4
98 60.0 49.9 74.9

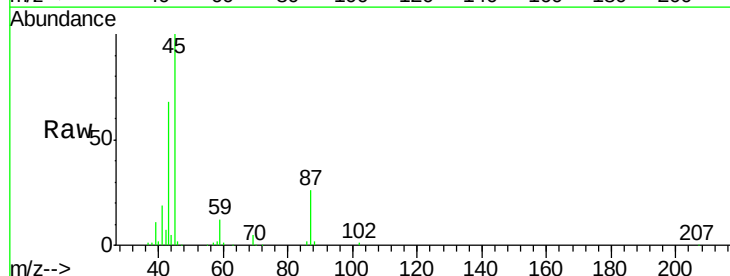


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

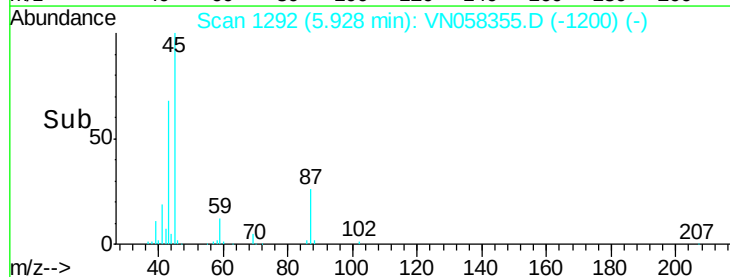
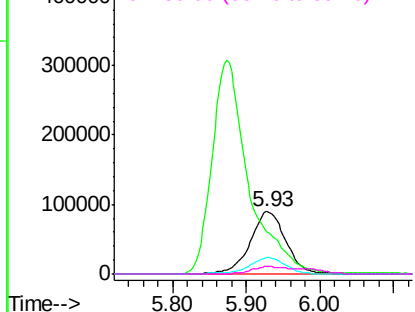


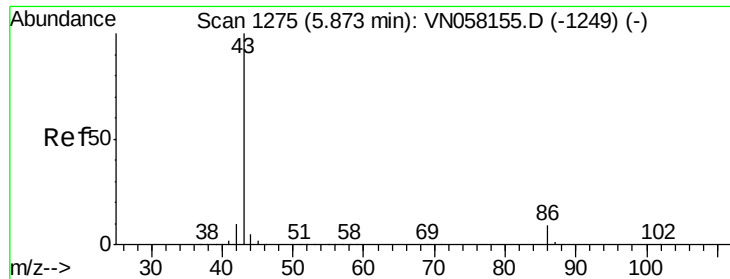
#22
Diisopropyl ether
Concen: 20.535 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 45 Resp: 301784
Ion Ratio Lower Upper
45 100
43 65.4 49.7 74.5
87 25.8 20.7 31.1
59 11.5 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

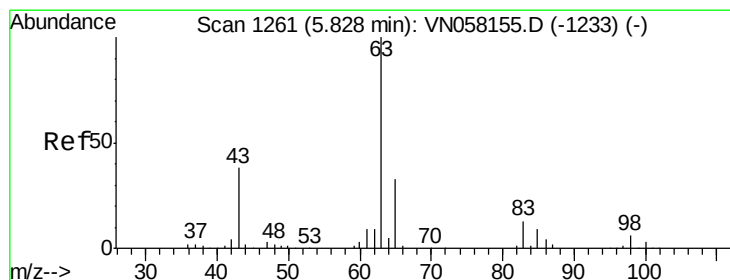
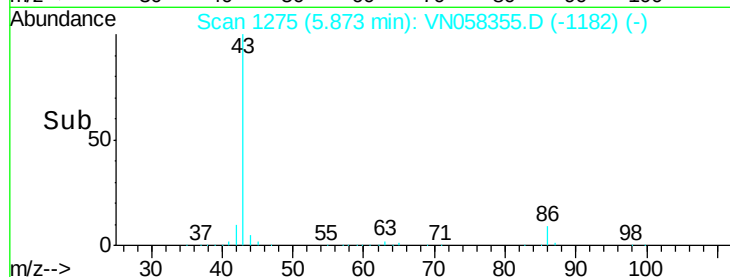
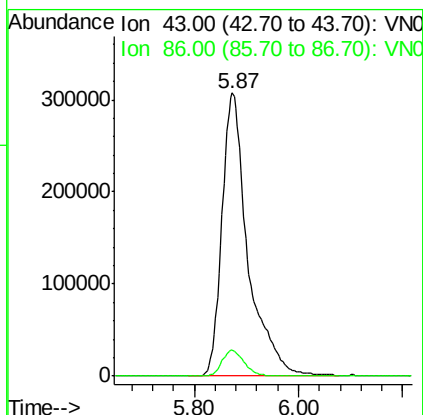
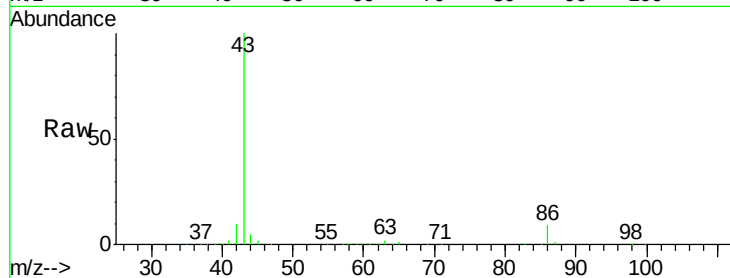




#23
 Vinyl Acetate
 Concen: 106.246 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

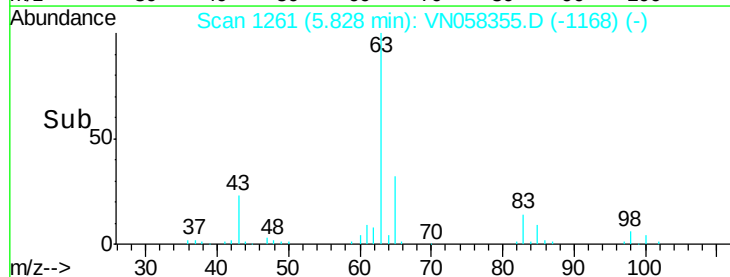
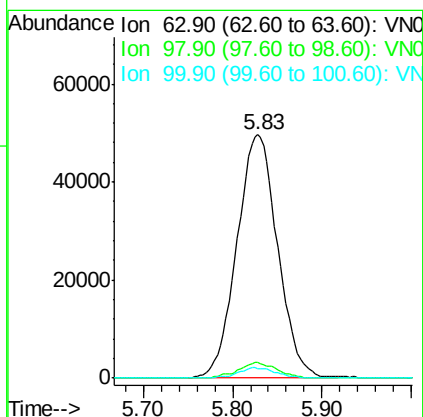
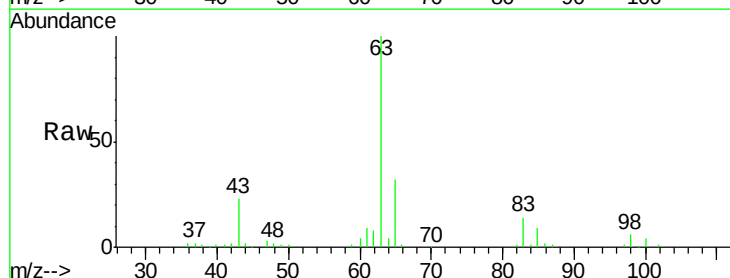
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

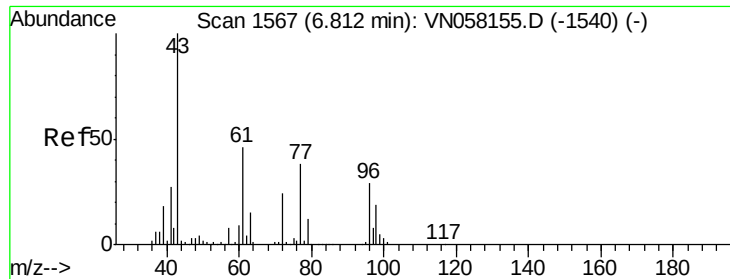
Tot Ion: 43 Resp: 1068385
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.075 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 63 Resp: 157459
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.6
 100 4.0 1.8 5.3

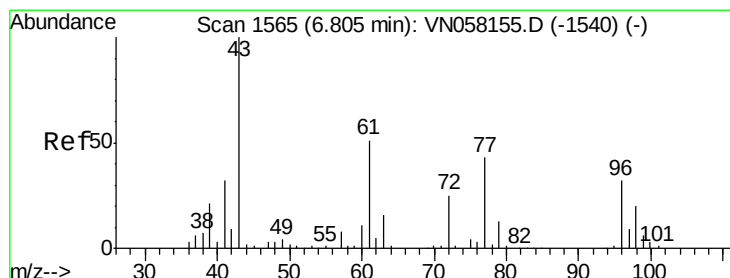
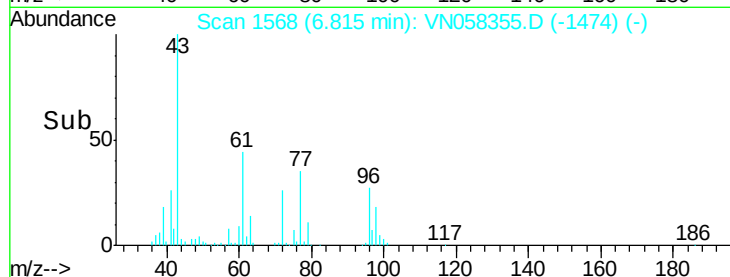
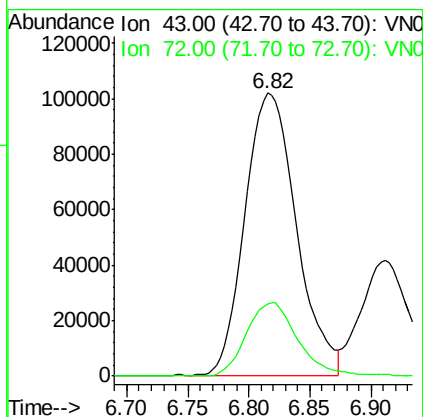
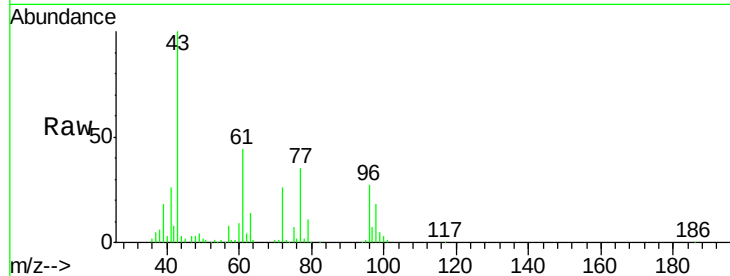




#25
2-Butanone
Concen: 105.895 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

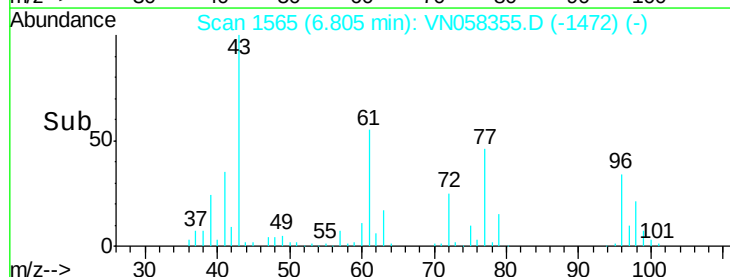
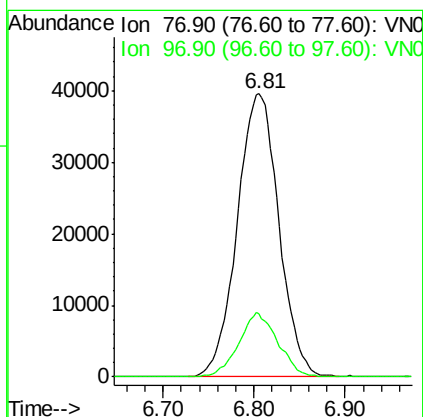
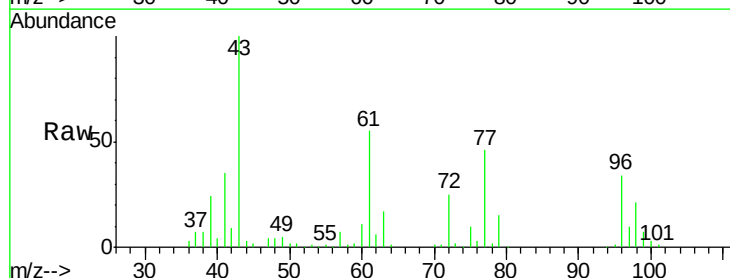
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

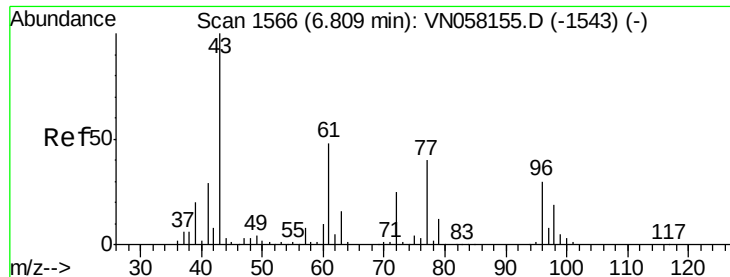
Tot Ion: 43 Resp: 298292
Ion Ratio Lower Upper
43 100
72 25.8 19.5 29.3



#26
2,2-Dichloropropane
Concen: 18.863 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 77 Resp: 125516
Ion Ratio Lower Upper
77 100
97 21.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.397 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

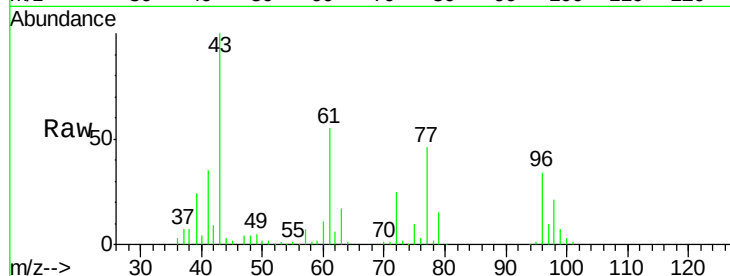
Tot Ion: 96 Resp: 86024

Ion Ratio Lower Upper

96 100

61 163.8 0.0 319.0

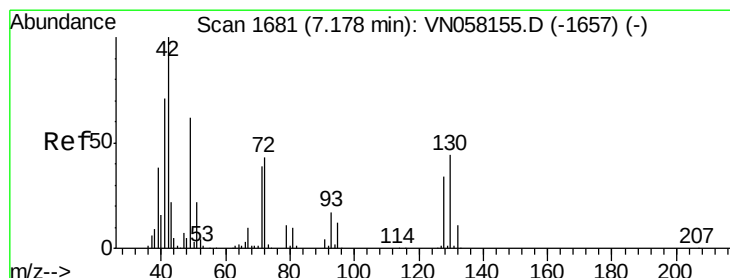
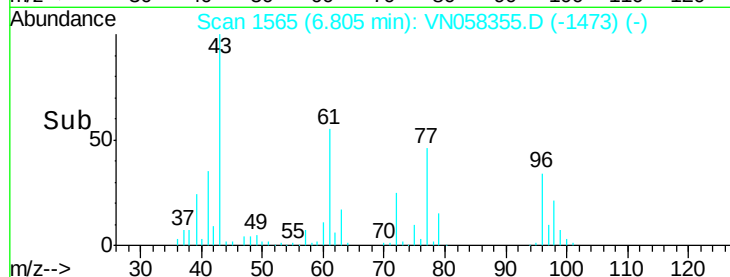
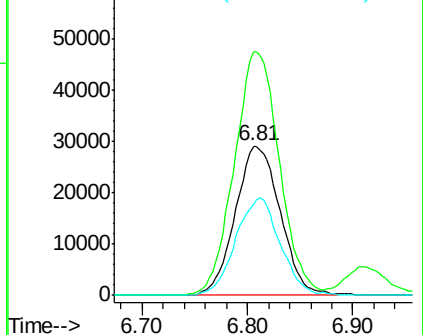
98 64.4 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.499 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

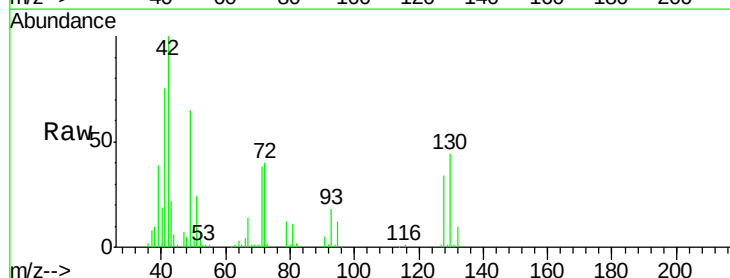
Tgt Ion: 49 Resp: 76062

Ion Ratio Lower Upper

49 100

129 1.3 0.0 1.8

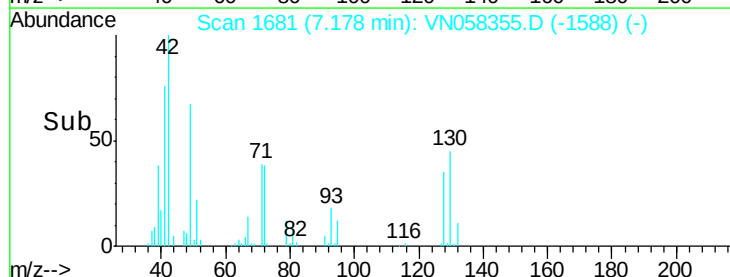
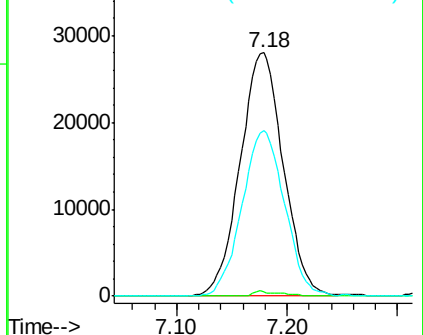
130 66.9 55.4 83.2

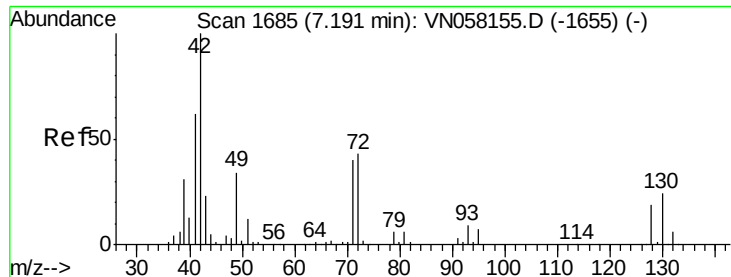


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

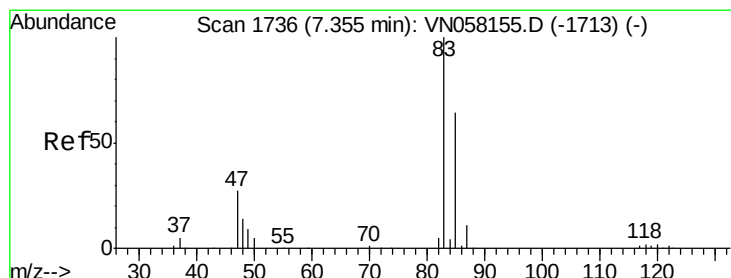
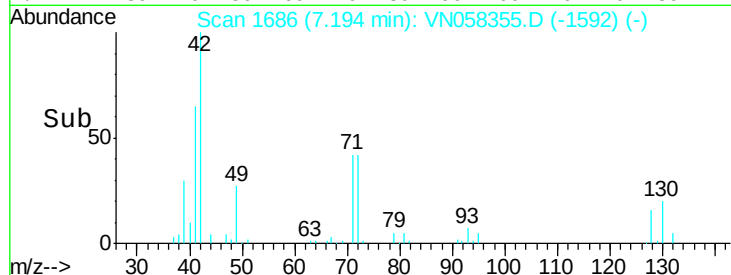
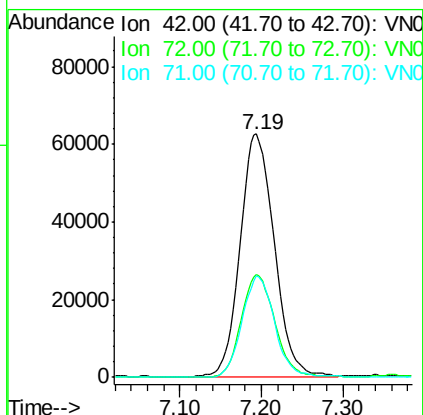
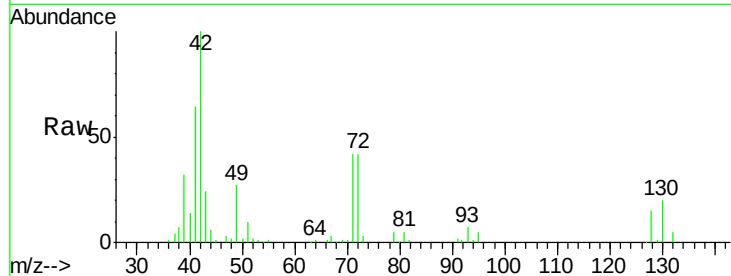




#29
Tetrahydrofuran
Concen: 104.043 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

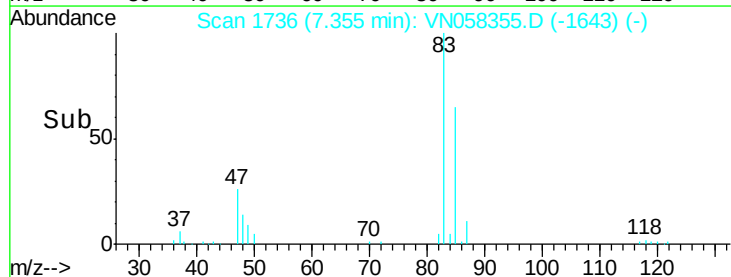
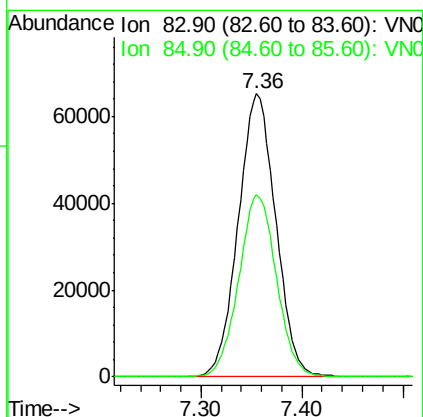
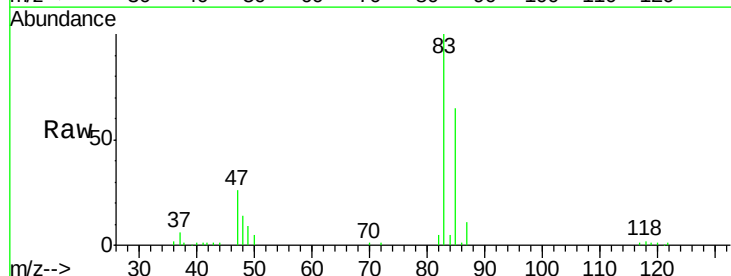
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

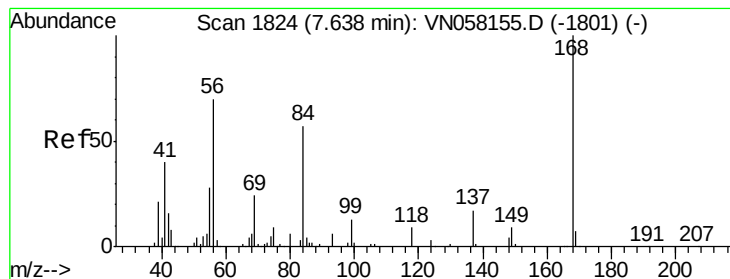
Tot Ion: 42 Resp: 180525
Ion Ratio Lower Upper
42 100
72 41.9 33.8 50.6
71 39.7 31.4 47.0



#30
Chloroform
Concen: 19.935 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 83 Resp: 168305
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.2





#31

Cyclohexane

Concen: 19.280 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

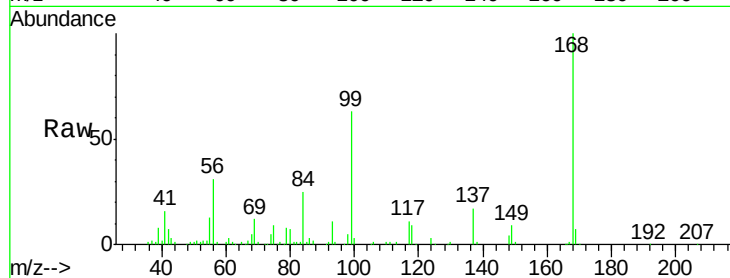
Tot Ion: 56 Resp: 105270

Ion Ratio Lower Upper

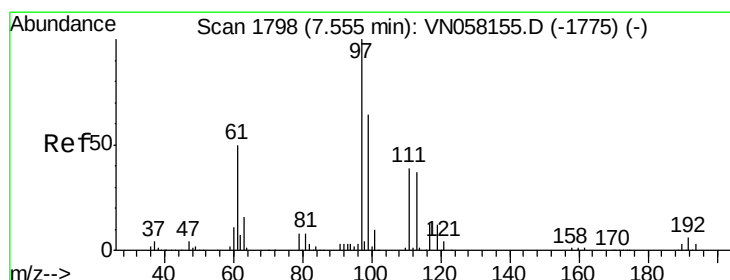
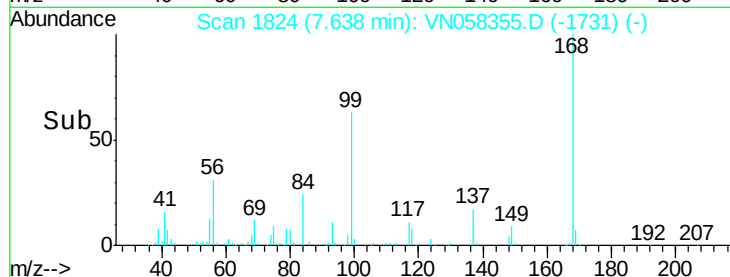
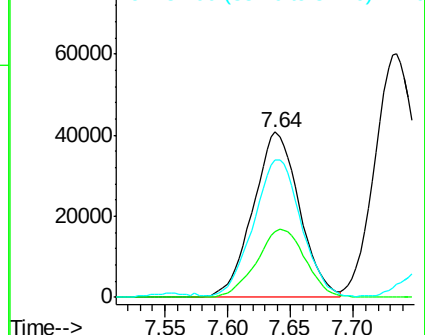
56 100

69 40.0 27.3 40.9

84 81.6 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.256 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

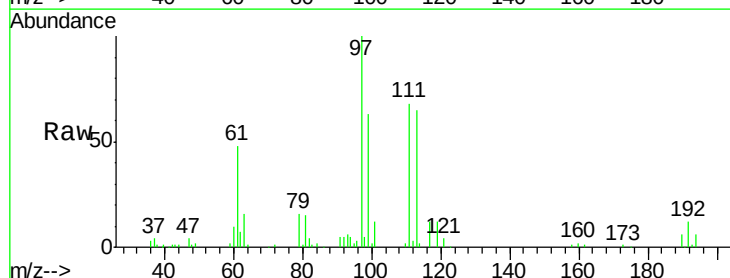
Tgt Ion: 97 Resp: 130193

Ion Ratio Lower Upper

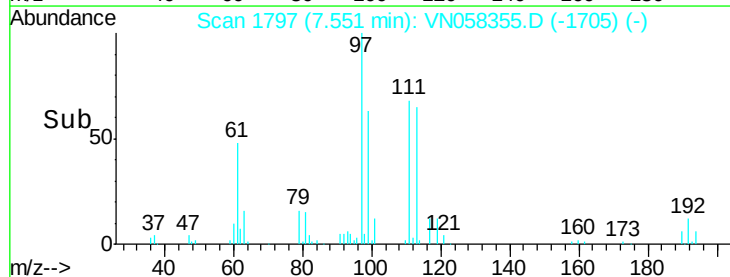
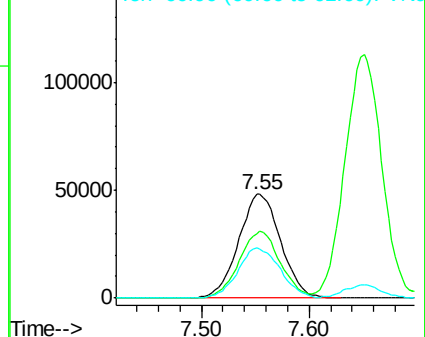
97 100

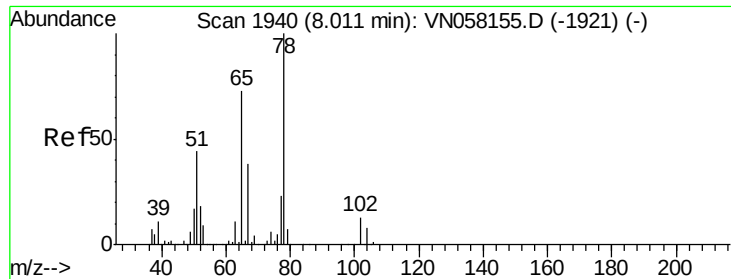
99 63.2 50.9 76.3

61 48.6 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

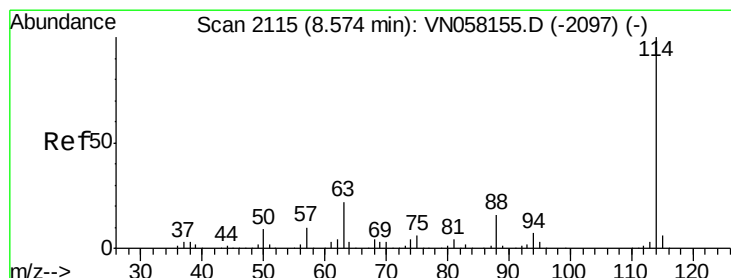
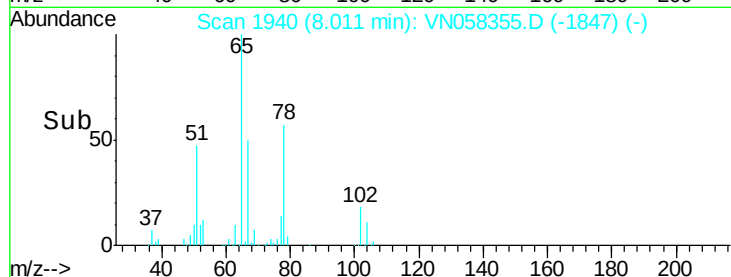
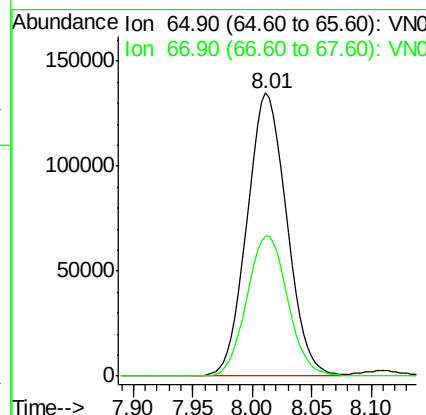
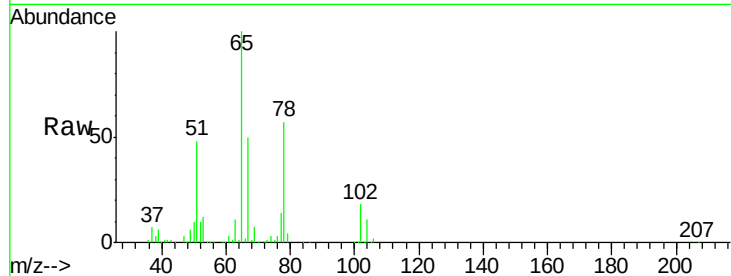




#33
 1,2-Dichloroethane-d4
 Concen: 51.391 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

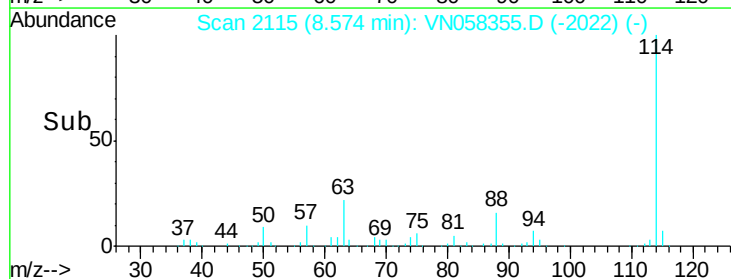
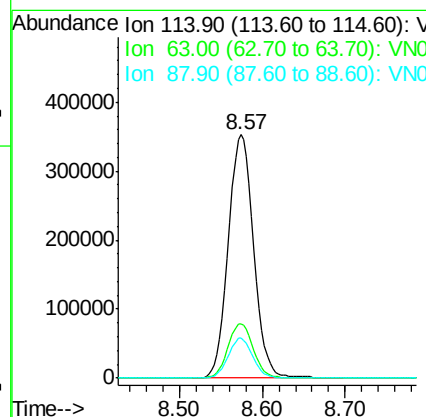
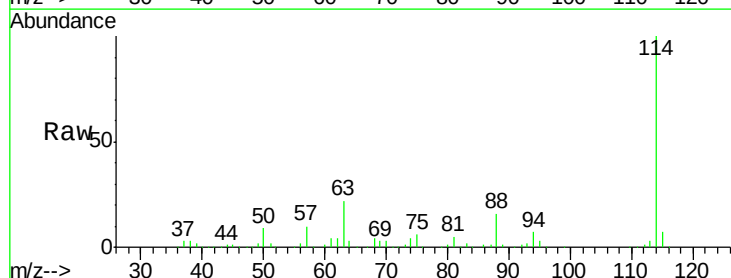
Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

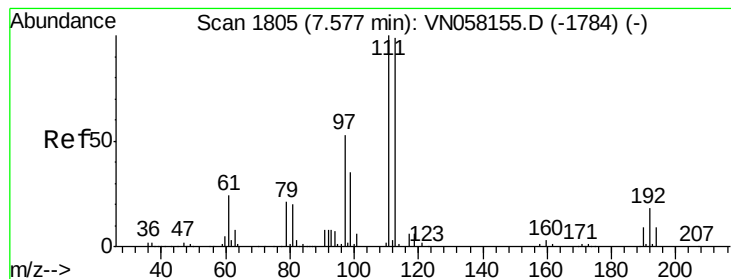
Tot Ion: 65 Resp: 313033
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 114 Resp: 750460
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.2
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.529 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

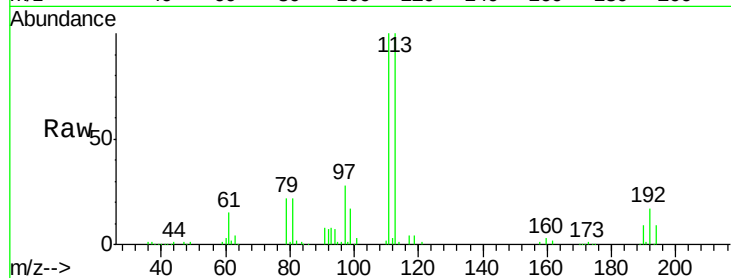
Tot Ion:113 Resp: 225960

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

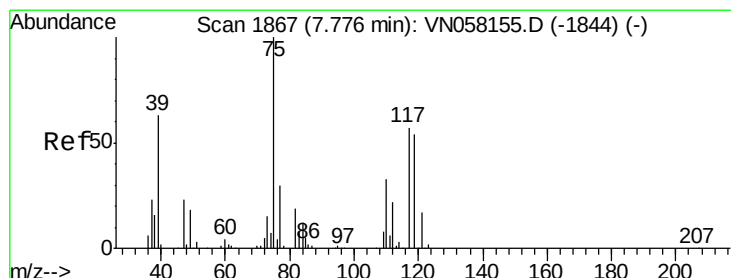
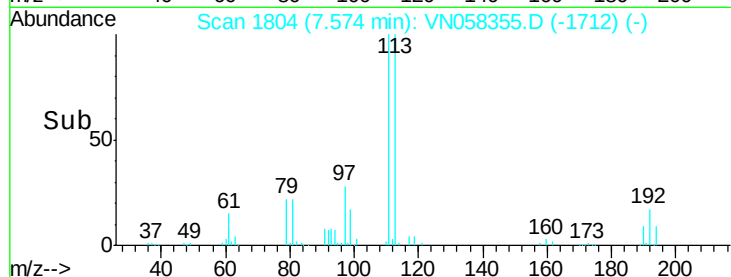
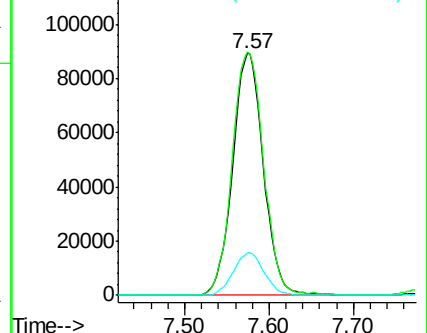
192 17.8 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.605 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

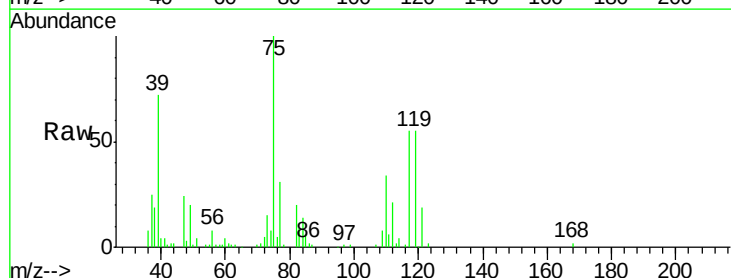
Tgt Ion: 75 Resp: 95277

Ion Ratio Lower Upper

75 100

110 33.2 16.6 49.7

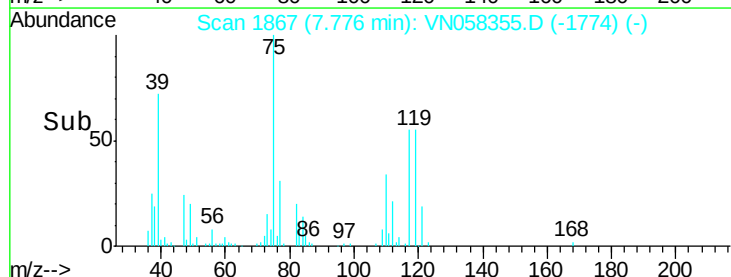
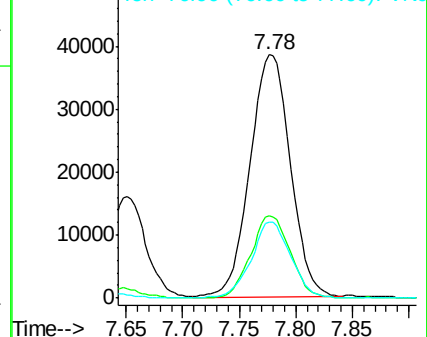
77 30.9 24.3 36.5

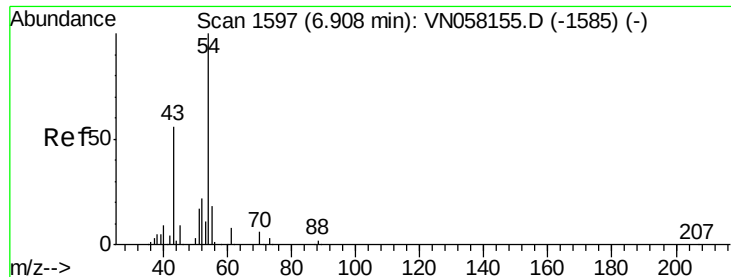


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

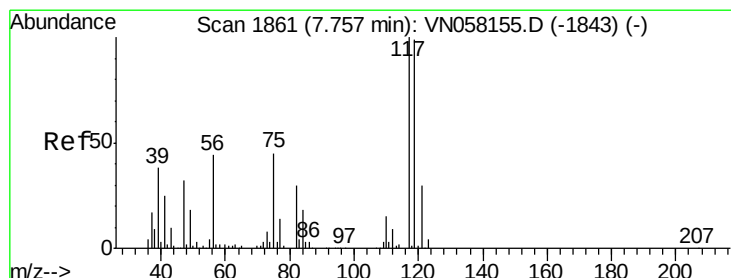
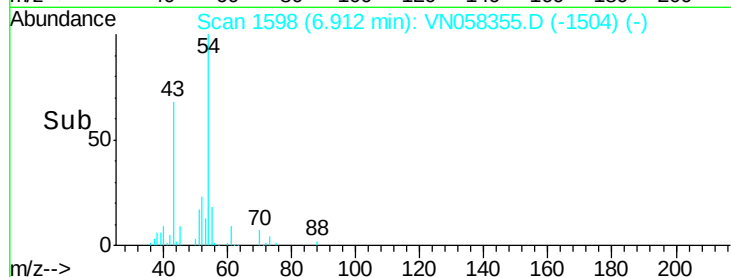
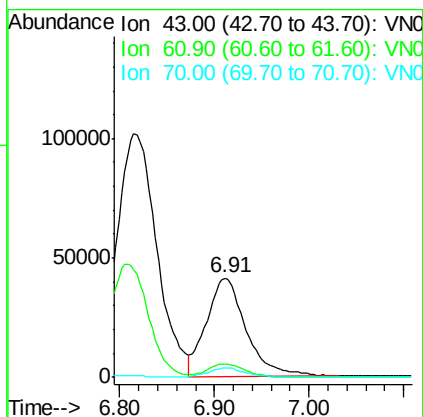
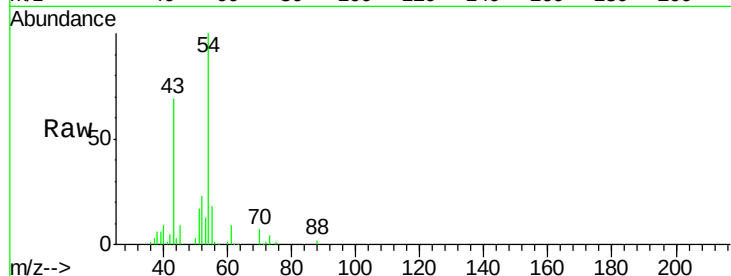




#37
Ethyl Acetate
Concen: 21.311 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

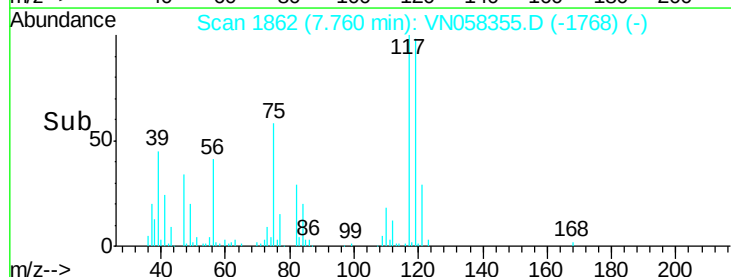
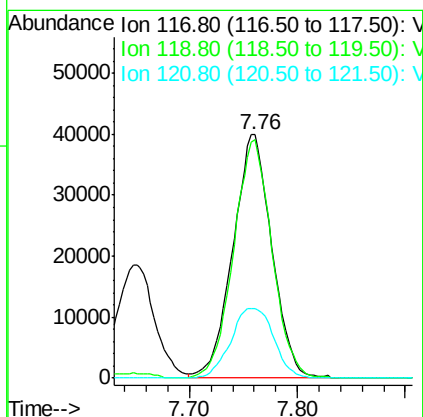
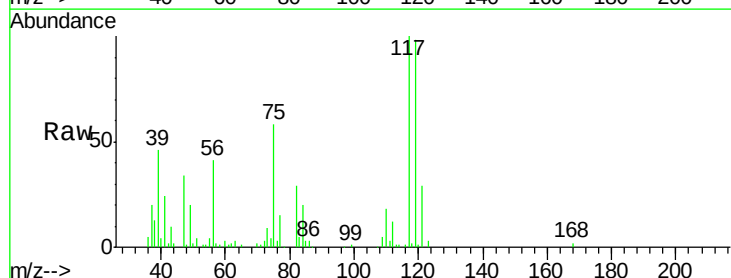
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

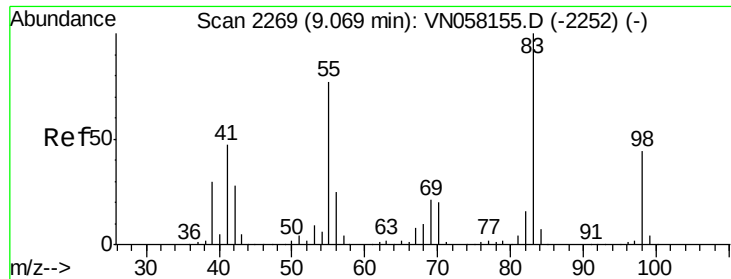
Tot Ion: 43 Resp: 119690
Ion Ratio Lower Upper
43 100
61 12.3 10.7 16.1
70 8.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.441 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 117 Resp: 100324
Ion Ratio Lower Upper
117 100
119 97.9 78.6 117.8
121 28.7 24.1 36.1

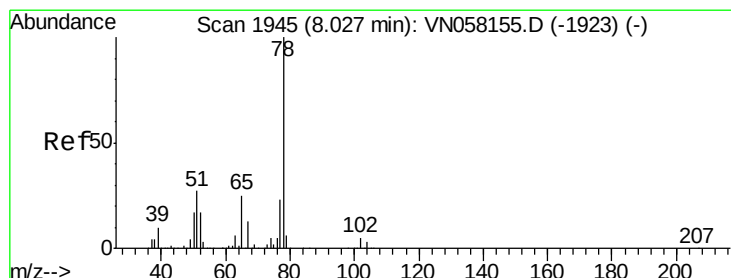
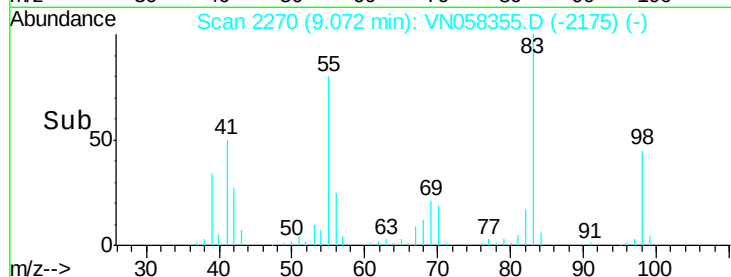
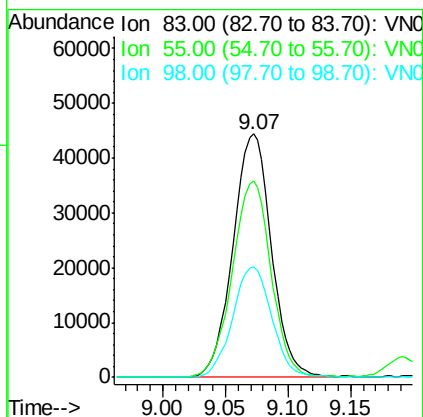
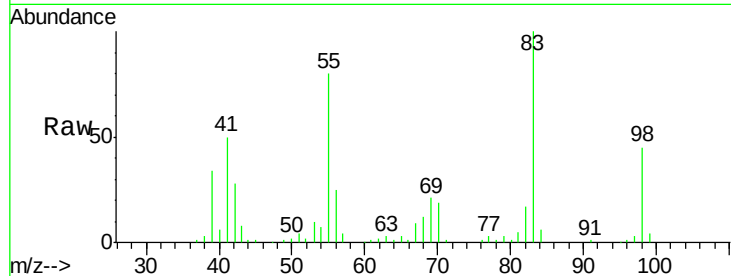




#39
Methvlcvclohexane
Concen: 18.177 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

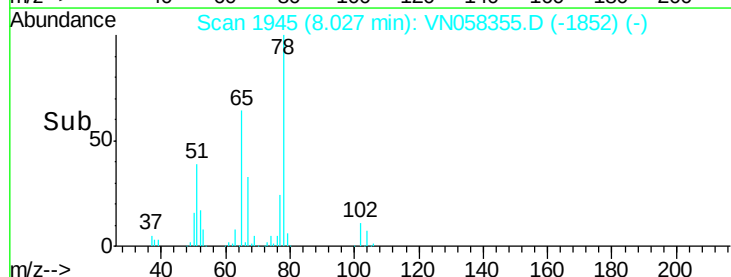
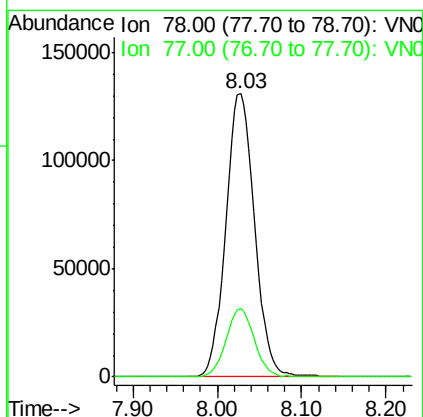
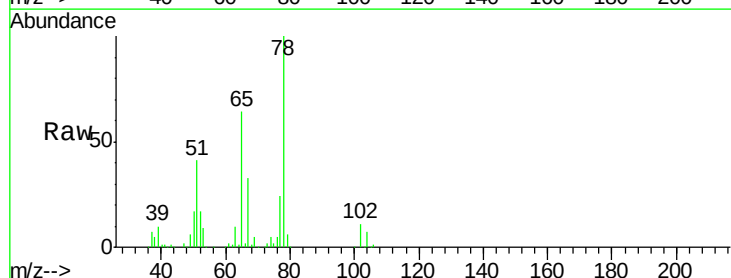
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

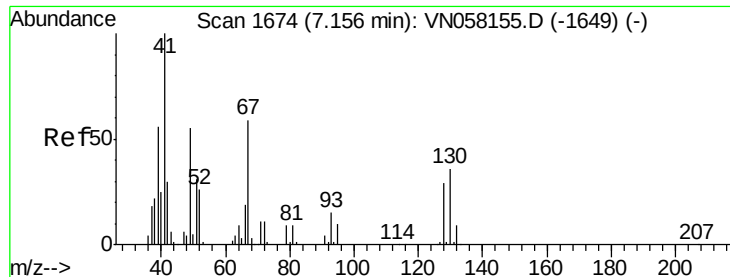
Tot Ion: 83 Resp: 94875
Ion Ratio Lower Upper
83 100
55 80.5 61.9 92.9
98 45.3 35.4 53.2



#40
Benzene
Concen: 18.771 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 78 Resp: 310291
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

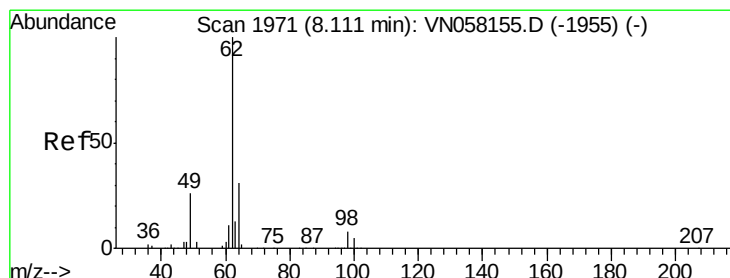
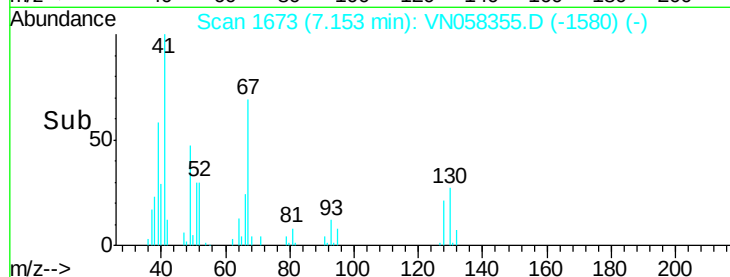
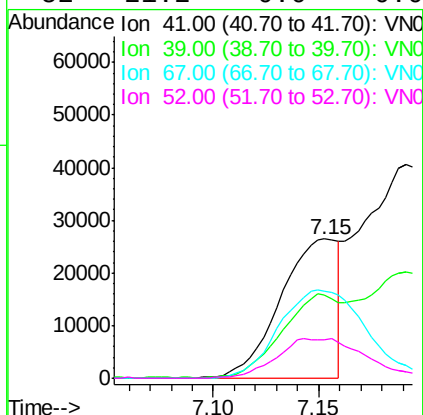
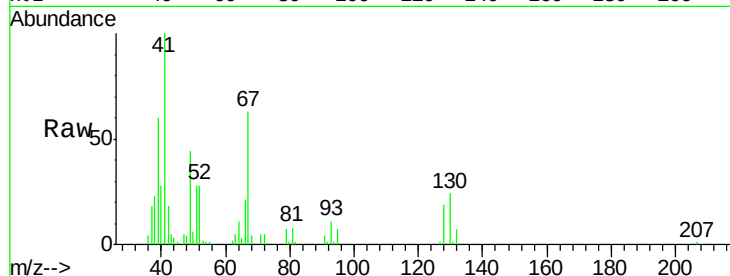




#41
Methacrylonitrile
Concen: 18.368 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

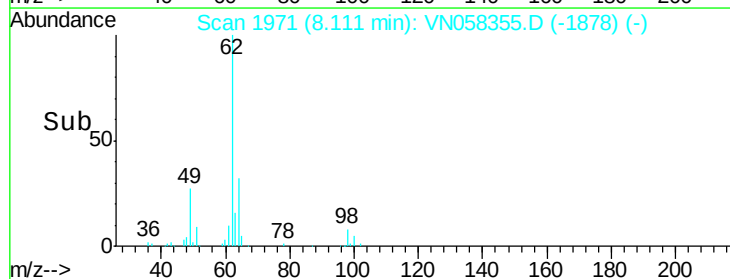
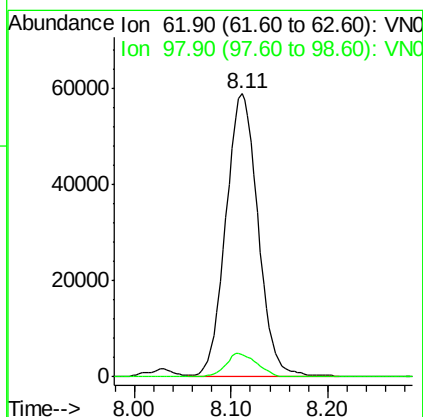
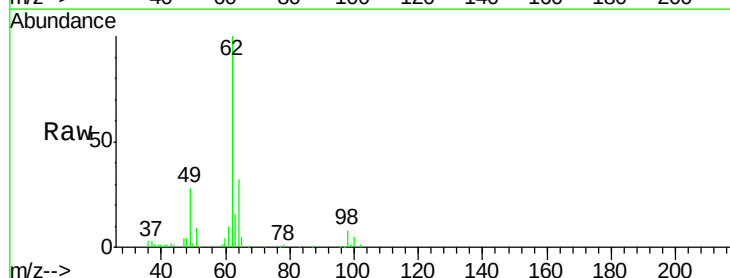
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

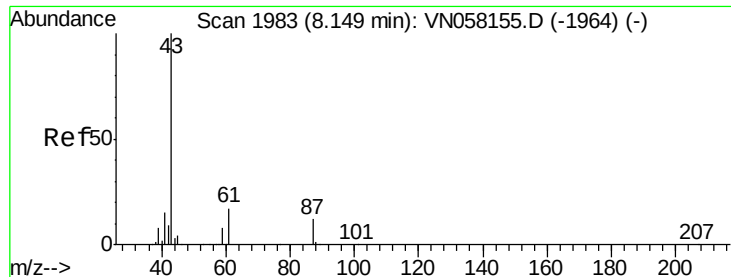
Tot Ion:	41	Resp:	50310
Ion	Ratio	Lower	Upper
41	100		
39	57.7	0.0	0.0#
67	96.3	0.0	0.0#
52	21.2	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.565 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion:	62	Resp:	135707
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.970 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

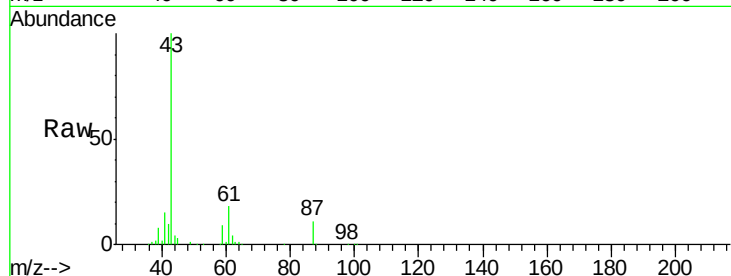
Tot Ion: 43 Resp: 198980

Ion Ratio Lower Upper

43 100

61 26.2 19.7 29.5

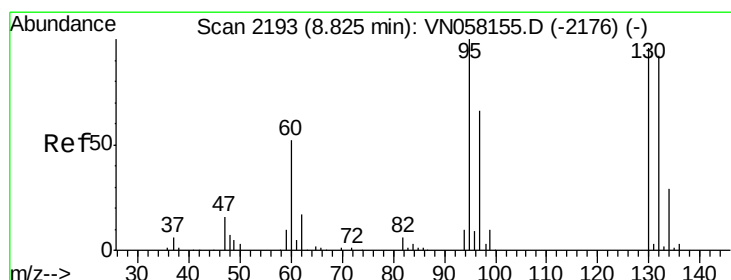
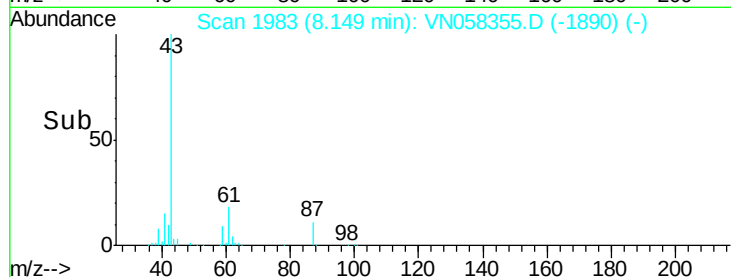
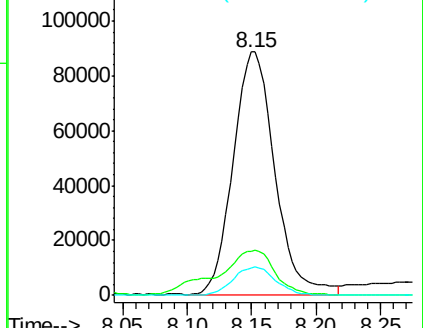
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058355.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058355.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058355.D (-1890) (-)



#44

Trichloroethene

Concen: 19.043 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058355.D

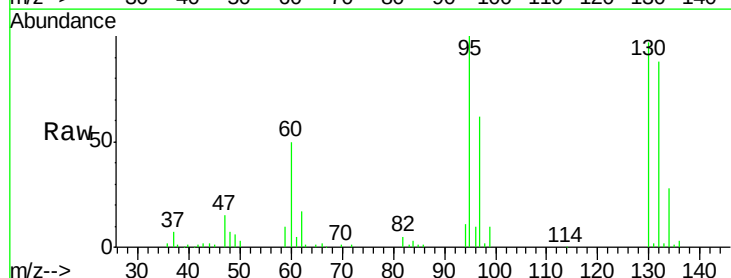
Acq: 25 Sep 2019 10:46

Tgt Ion: 130 Resp: 77029

Ion Ratio Lower Upper

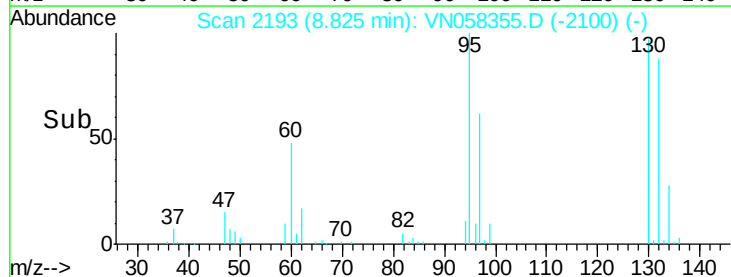
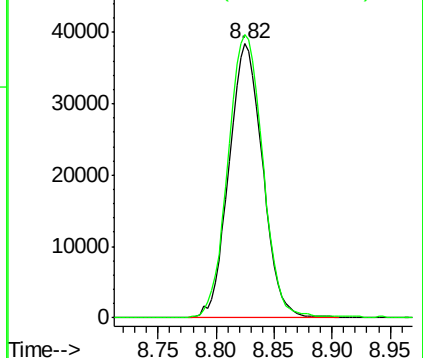
130 100

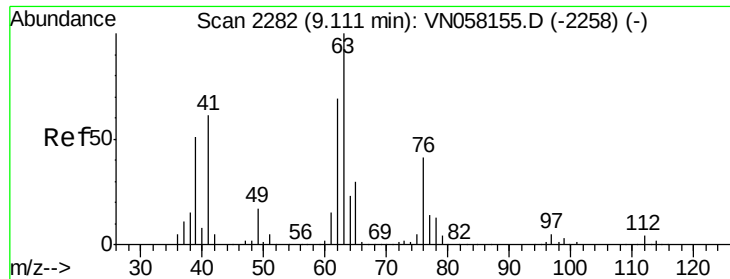
95 103.2 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058355.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058355.D (-2100) (-)

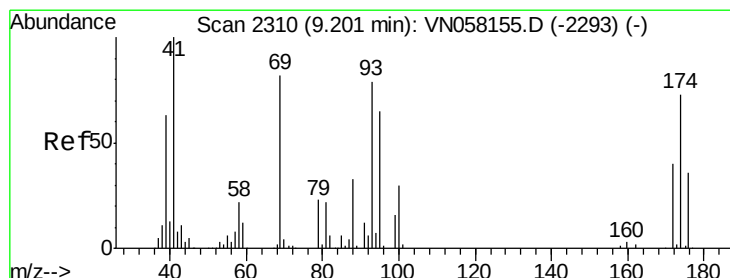
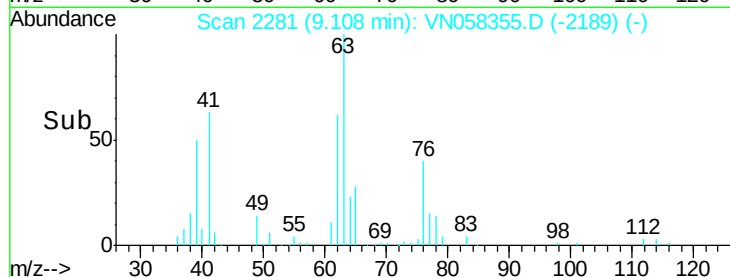
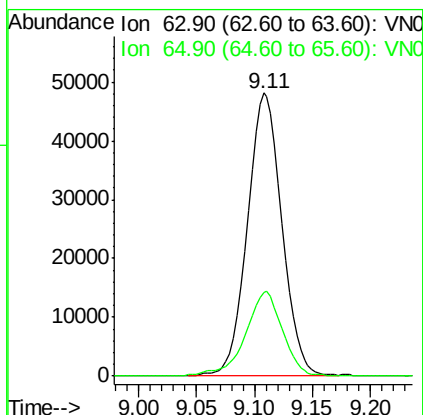
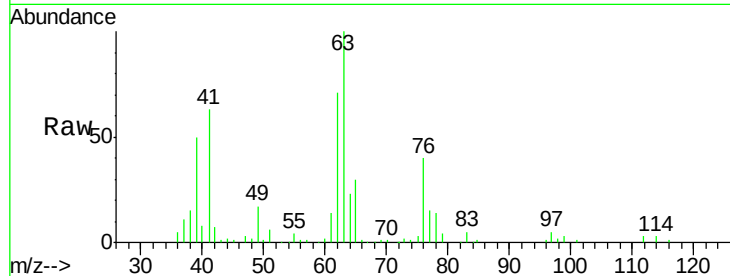




#45
 1,2-Dichloropropane
 Concen: 20.212 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

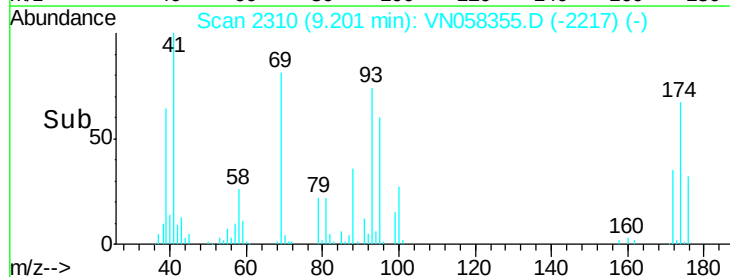
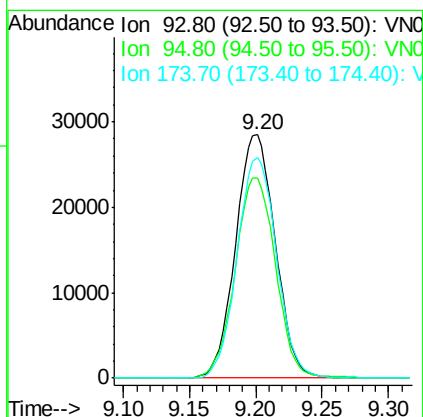
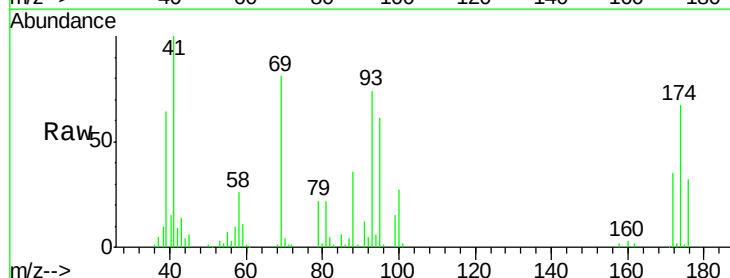
Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

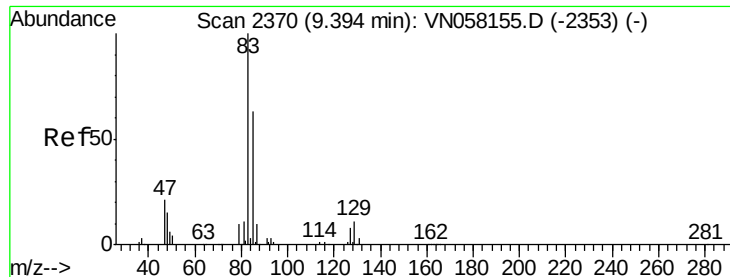
Tot Ion: 63 Resp: 99778
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.6



#46
 Dibromomethane
 Concen: 19.758 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 93 Resp: 59300
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 89.9 73.8 110.8





#47

Bromodichloromethane

Concen: 20.092 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

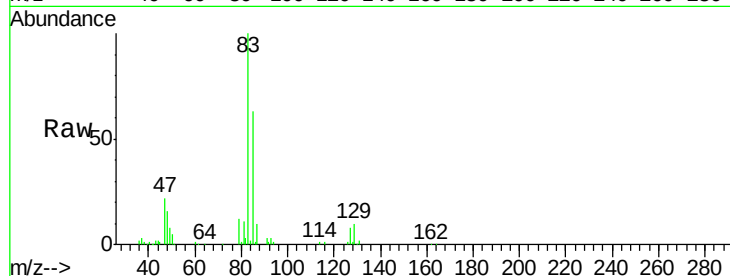
Tot Ion: 83 Resp: 126332

Ion Ratio Lower Upper

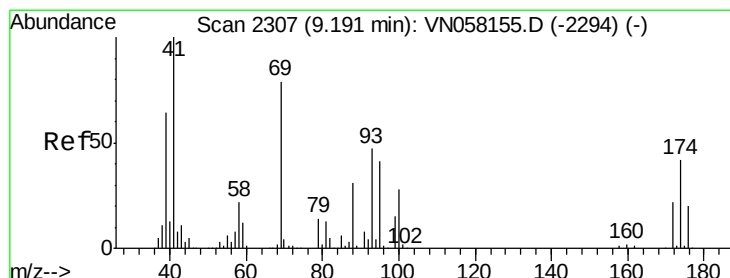
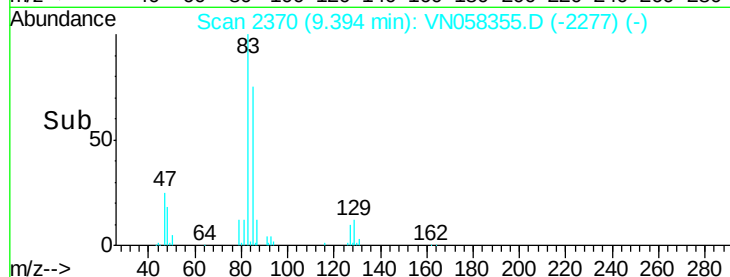
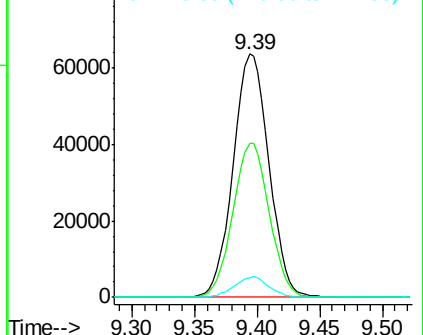
83 100

85 63.4 50.1 75.1

127 8.3 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.470 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

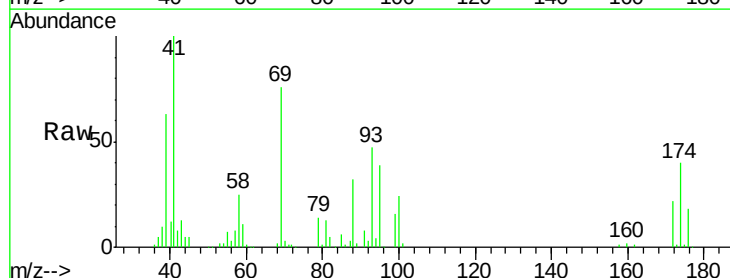
Tgt Ion: 41 Resp: 97490

Ion Ratio Lower Upper

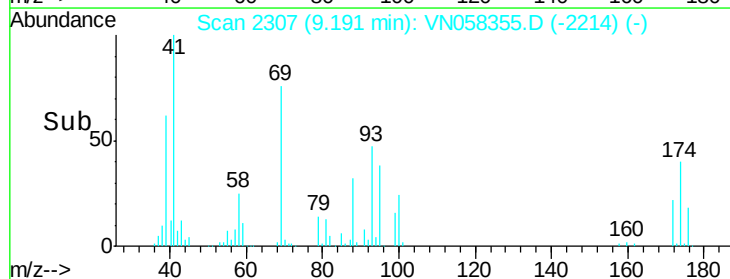
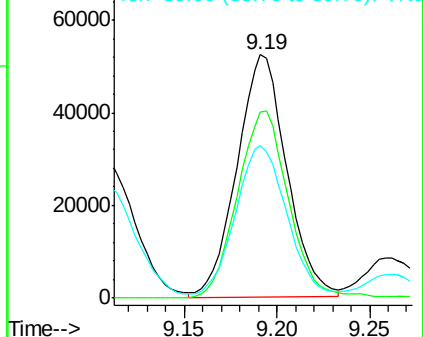
41 100

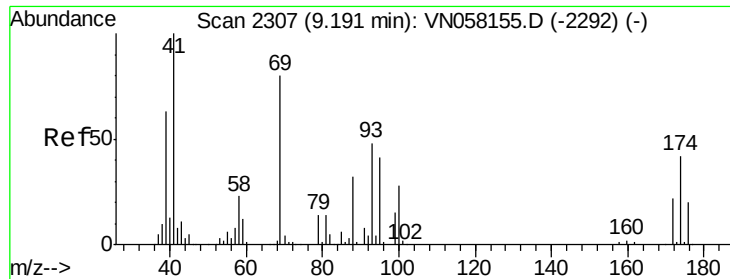
69 79.4 62.5 93.7

39 64.9 52.3 78.5



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

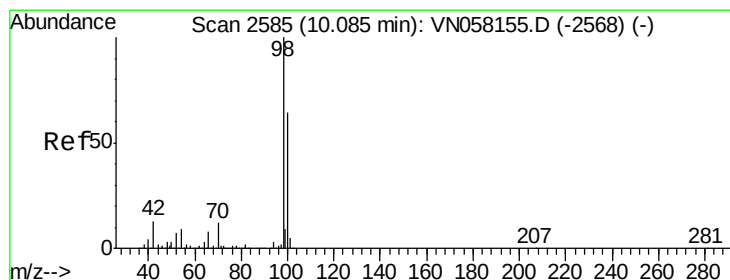
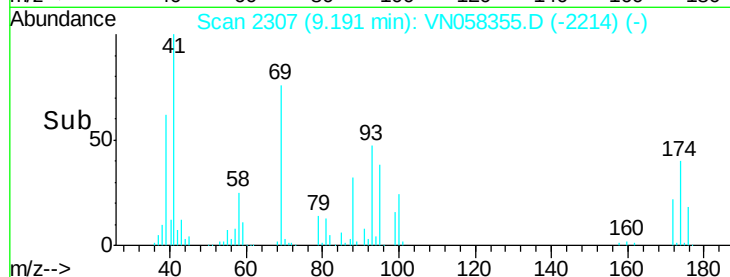
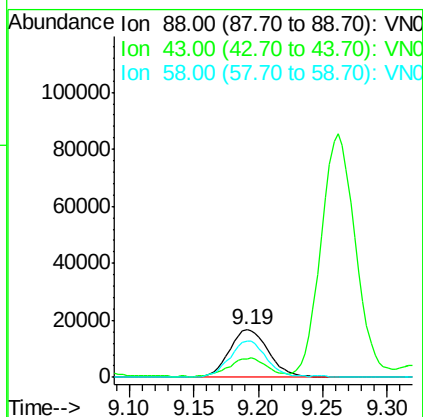
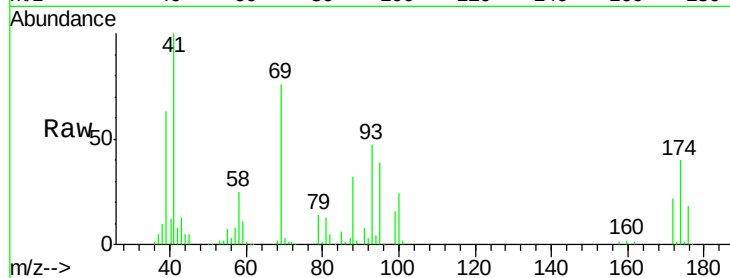




#49
 1,4-Dioxane
 Concen: 451.721 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

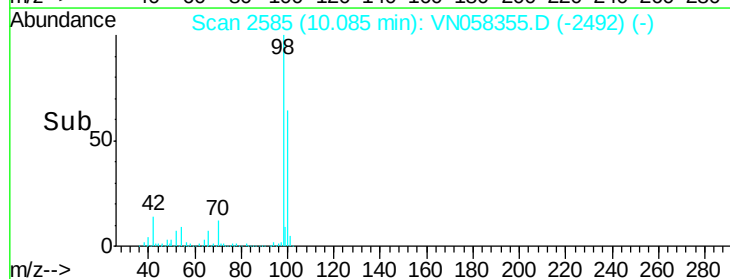
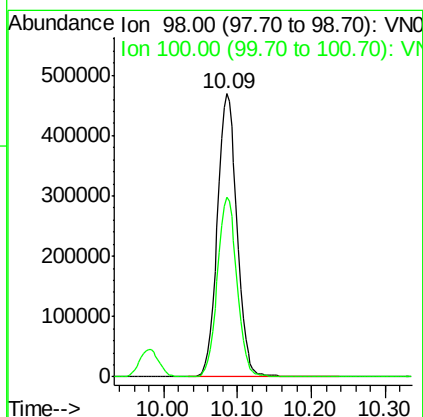
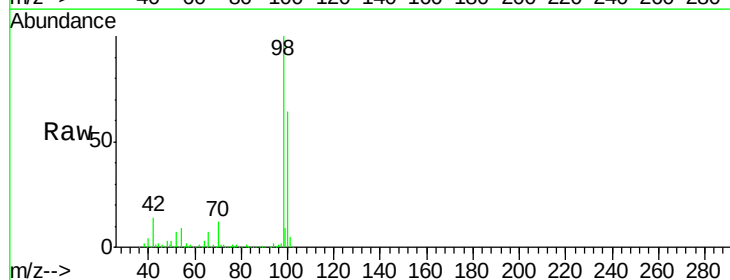
Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

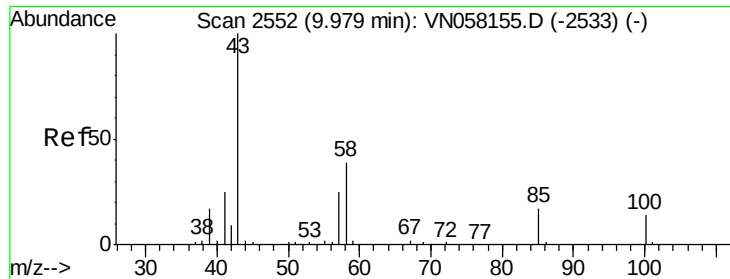
Tot Ion: 88 Resp: 35321
 Ion Ratio Lower Upper
 88 100
 43 36.7 27.8 41.8
 58 71.8 55.0 82.4



#50
 Toluene-d8
 Concen: 48.703 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 98 Resp: 865696
 Ion Ratio Lower Upper
 98 100
 100 62.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 114.986 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

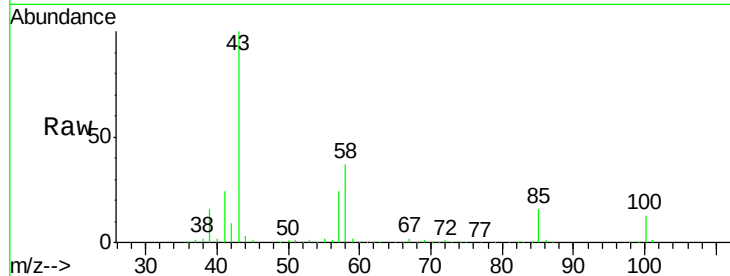
VN0925WBS01

Tot Ion: 43 Resp: 640633

Ion Ratio Lower Upper

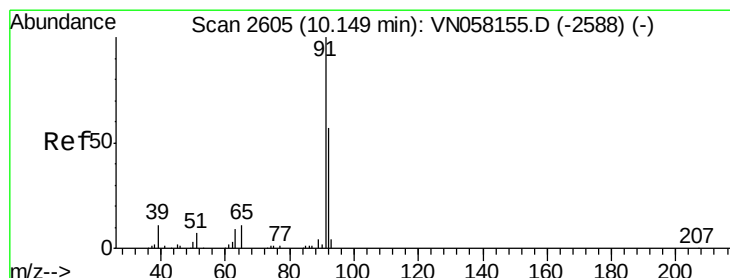
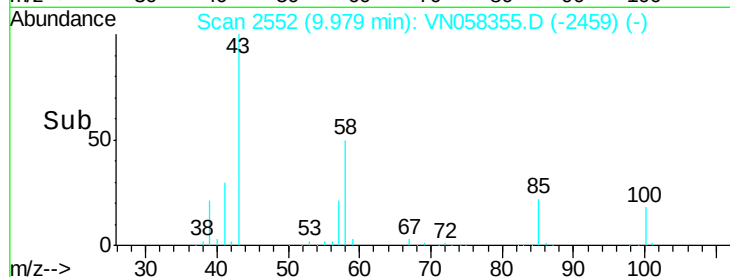
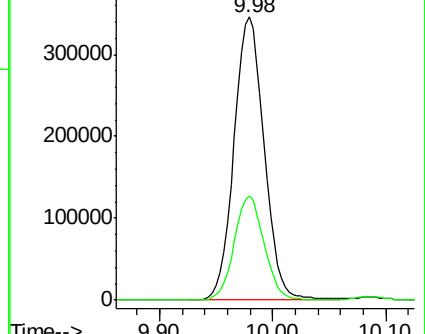
43 100

58 36.8 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.842 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058355.D

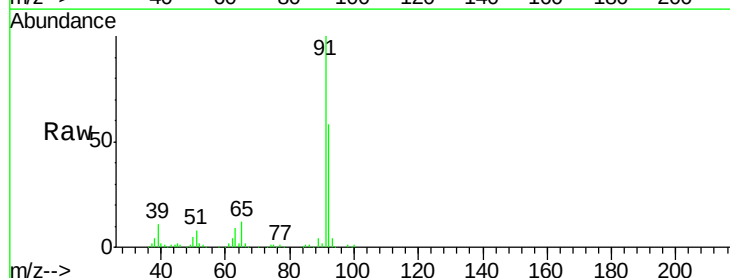
Acq: 25 Sep 2019 10:46

Tgt Ion: 92 Resp: 195198

Ion Ratio Lower Upper

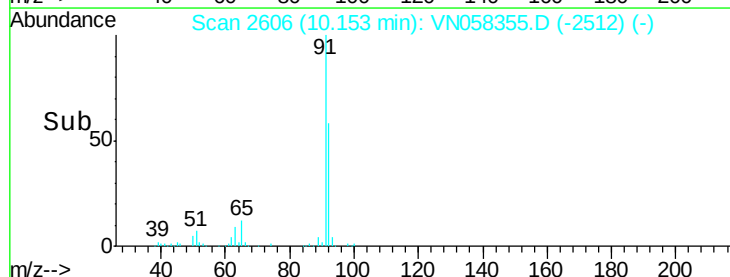
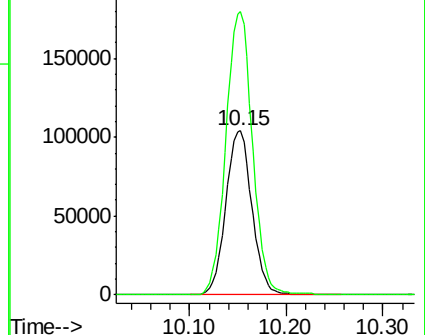
92 100

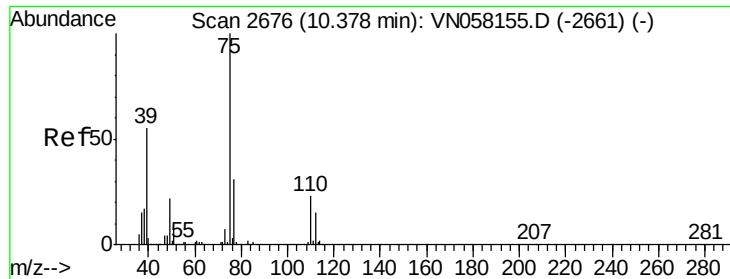
91 175.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.434 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

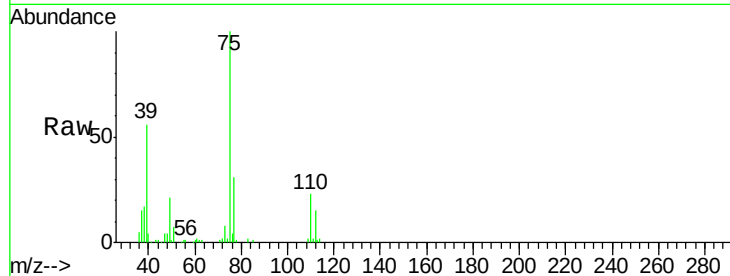
VN0925WBS01

Tot Ion: 75 Resp: 125166

Ion Ratio Lower Upper

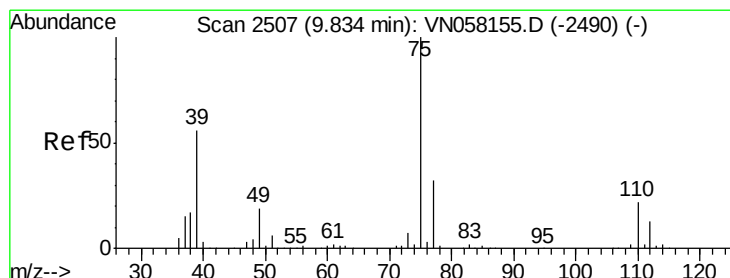
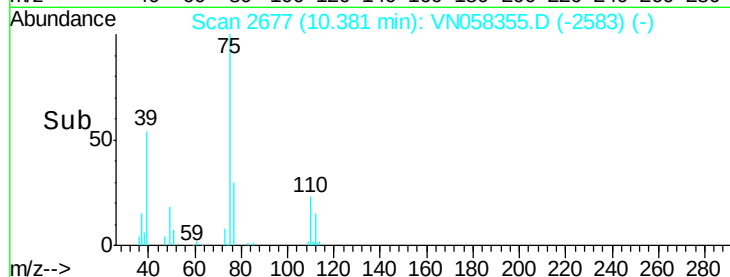
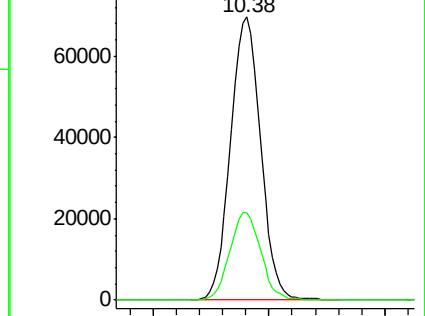
75 100

77 30.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.134 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

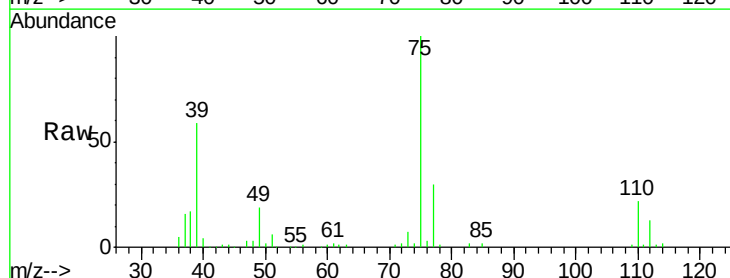
Tgt Ion: 75 Resp: 136063

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.0

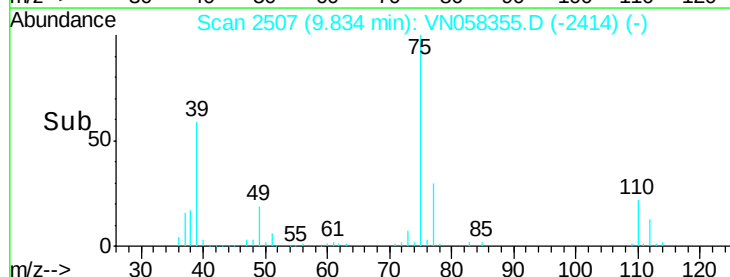
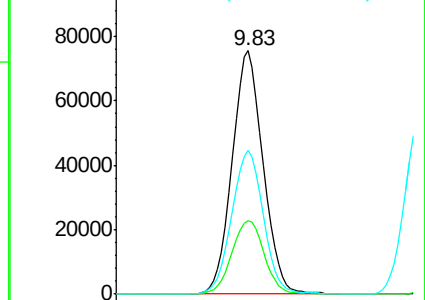
39 58.9 45.0 67.6

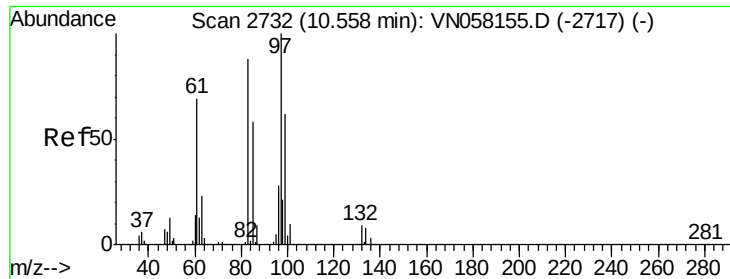


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.549 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

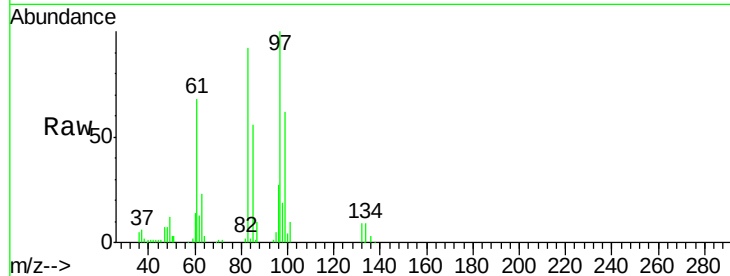
MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 97 Resp: 94469

Ion	Ratio	Lower	Upper
97	100		
83	92.0	70.4	105.6
85	55.9	46.8	70.2
99	61.9	49.9	74.9

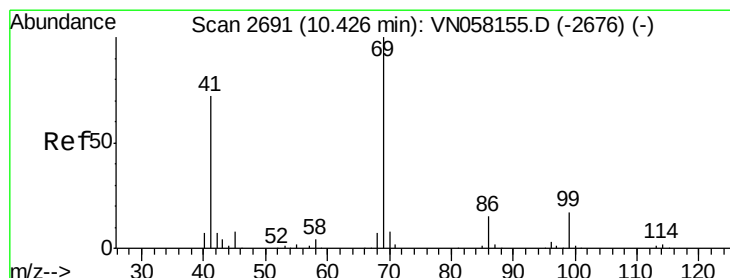
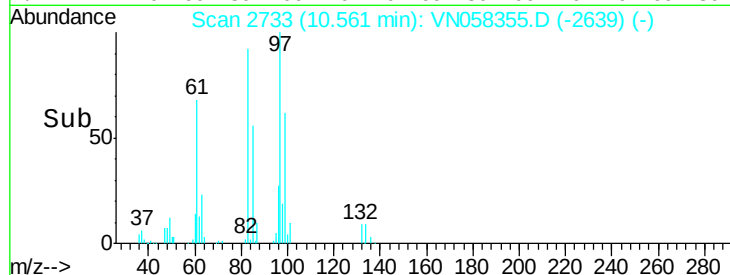


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.089 ug/l

RT: 10.43 min Scan# 2691

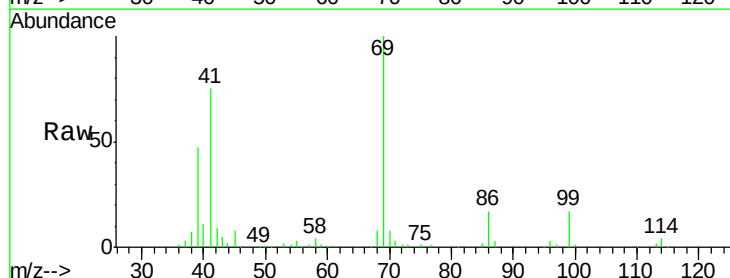
Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion: 69 Resp: 133254

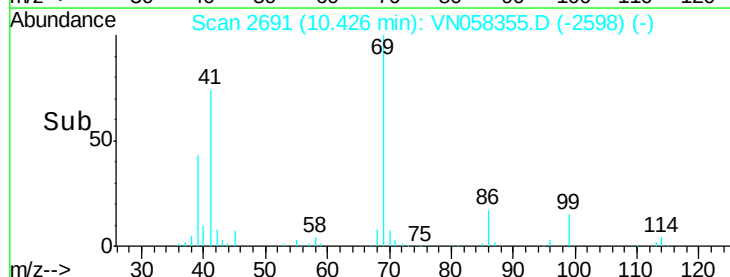
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.5	86.3
39	45.7	36.1	54.1

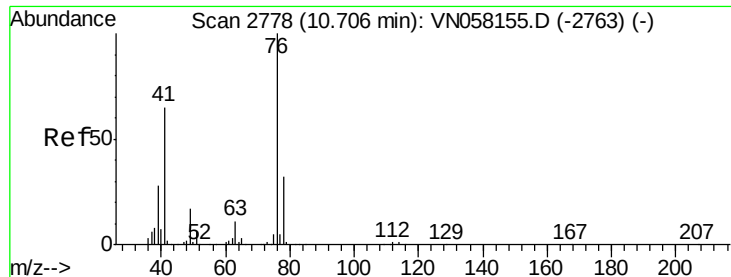


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

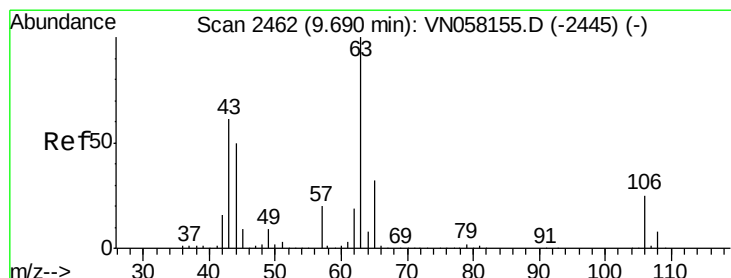
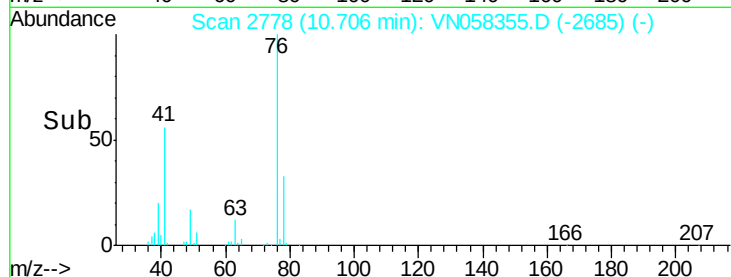
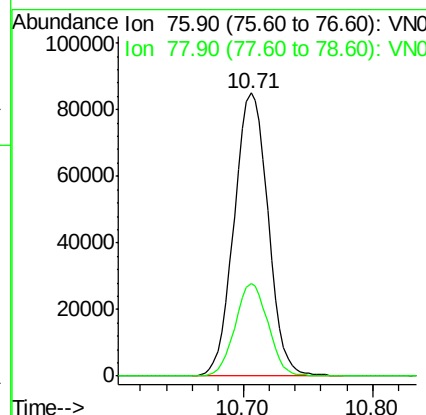
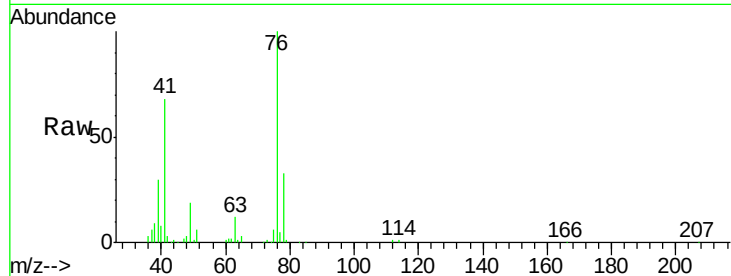




#57
 1,3-Dichloropropane
 Concen: 19.711 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

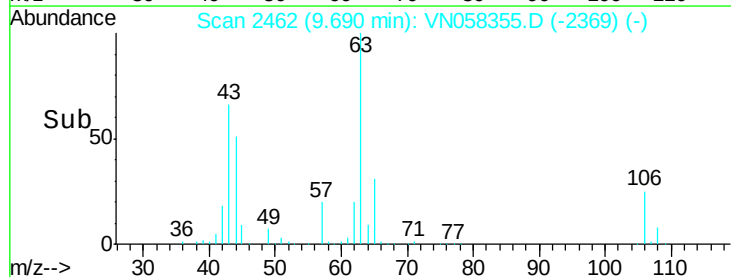
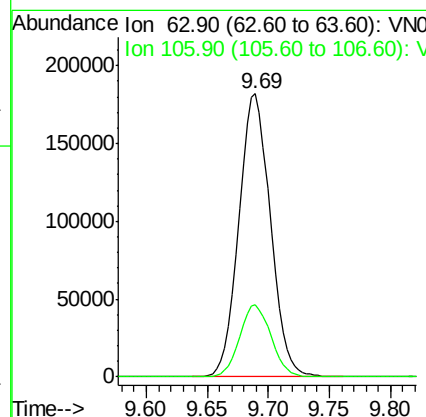
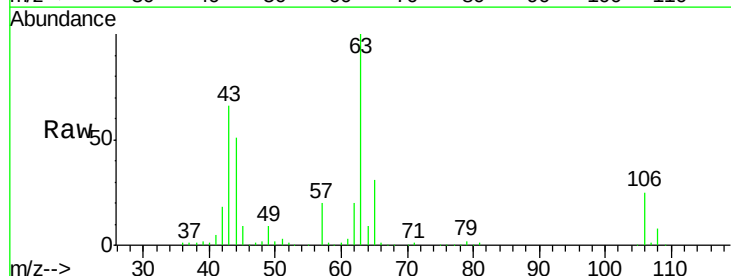
Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

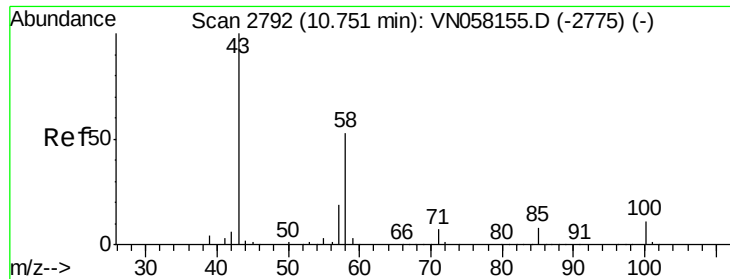
Tot Ion: 76 Resp: 155779
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.305 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 63 Resp: 326392
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.9 29.9

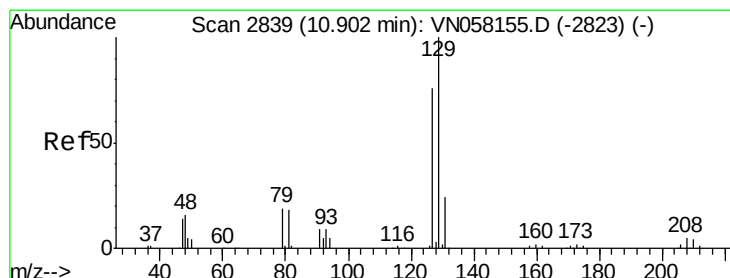
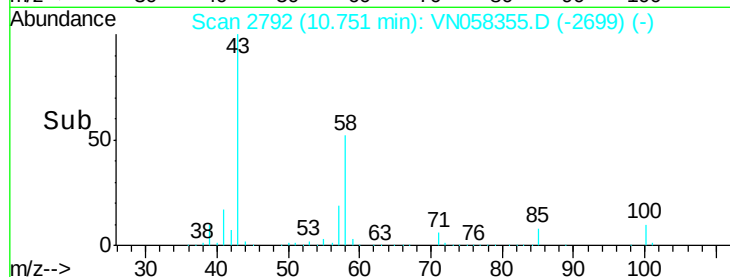
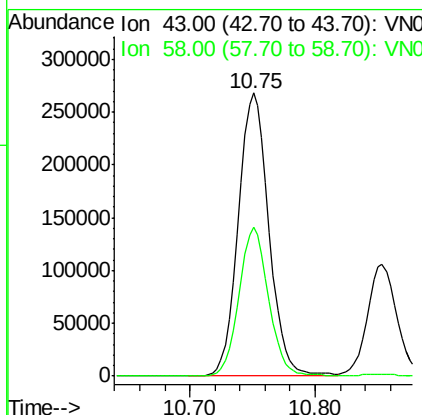
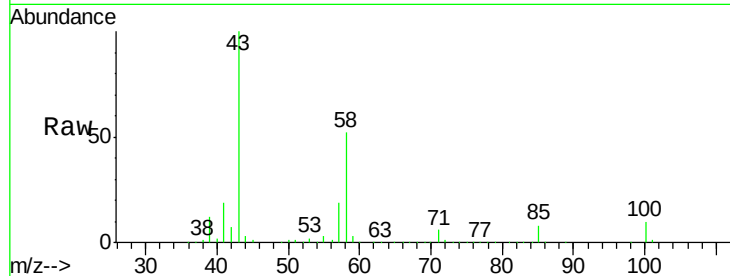




#59
2-Hexanone
Concen: 109.453 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

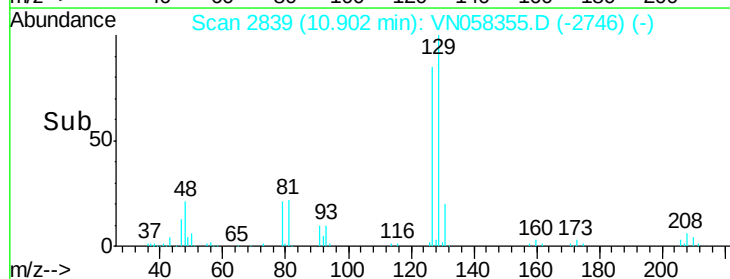
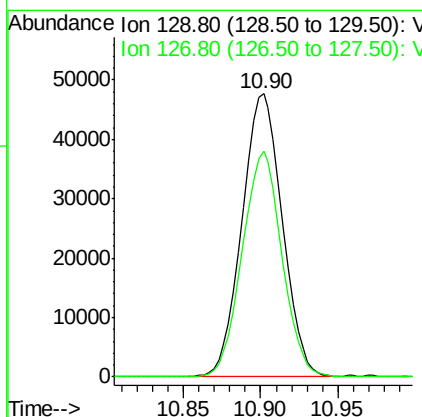
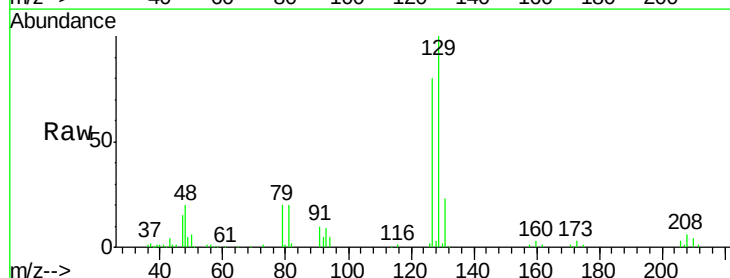
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

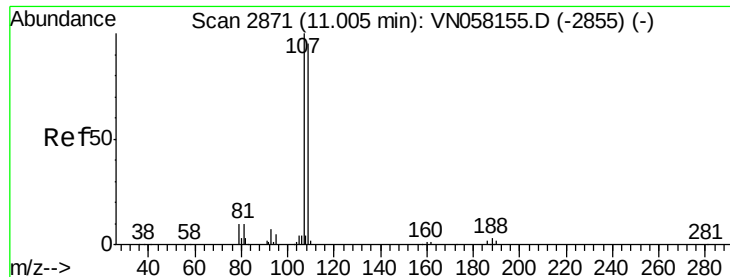
Tot Ion: 43 Resp: 452899
Ion Ratio Lower Upper
43 100
58 51.0 26.0 78.0



#60
Dibromochloromethane
Concen: 19.579 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 129 Resp: 86593
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.874 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

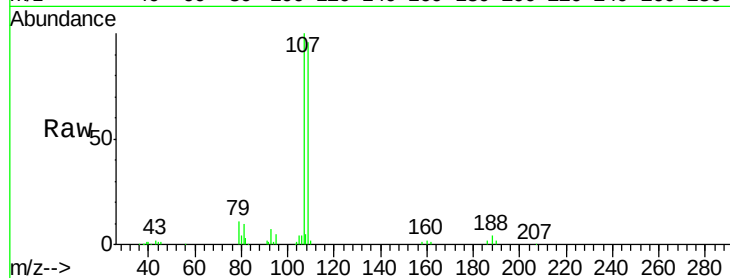
VN0925WBS01

Tot Ion: 107 Resp: 84674

Ion Ratio Lower Upper

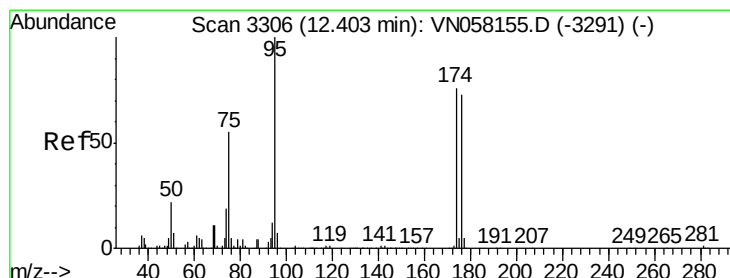
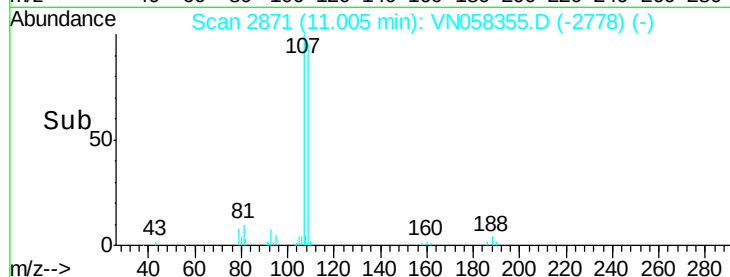
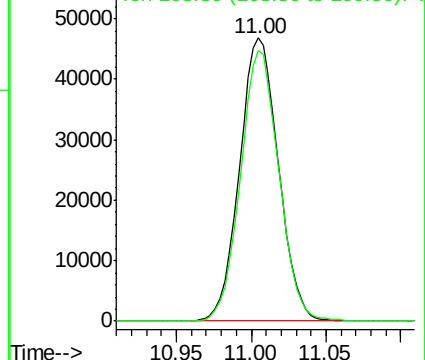
107 100

109 94.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.159 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

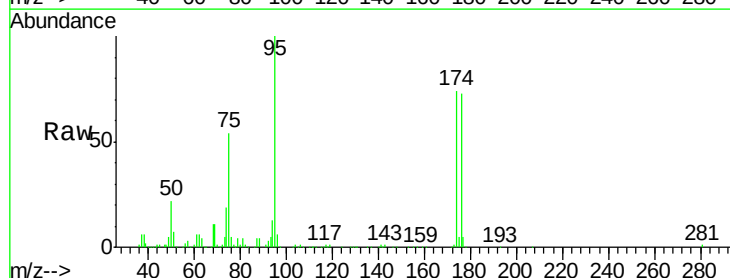
Tgt Ion: 95 Resp: 311379

Ion Ratio Lower Upper

95 100

174 74.0 0.0 152.2

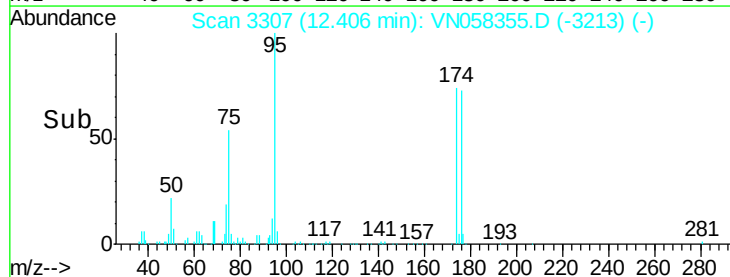
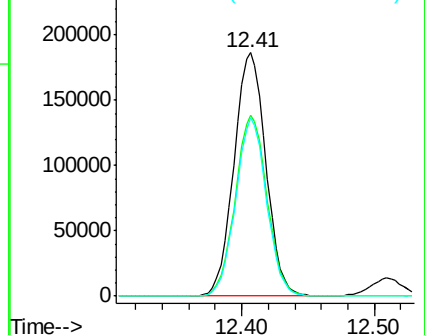
176 70.9 0.0 148.0

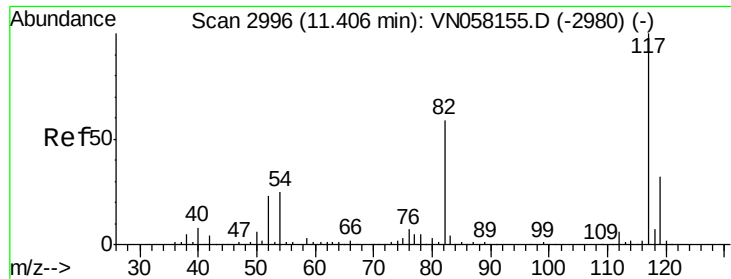


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

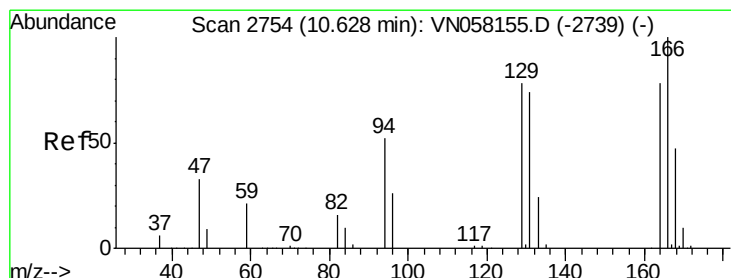
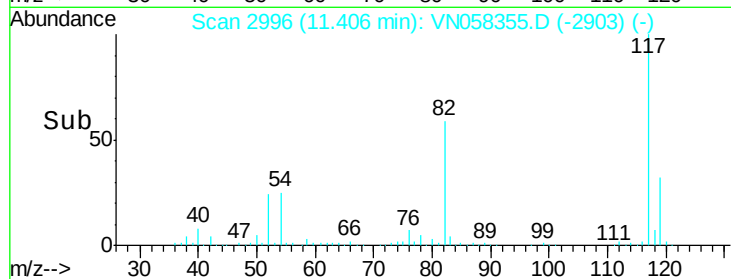
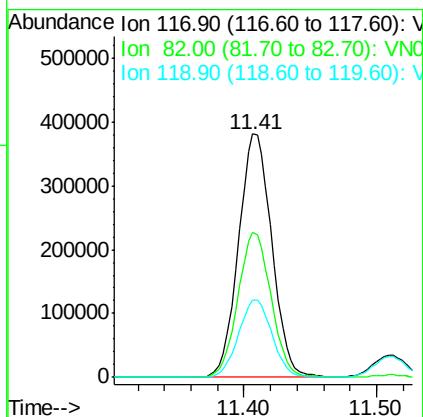
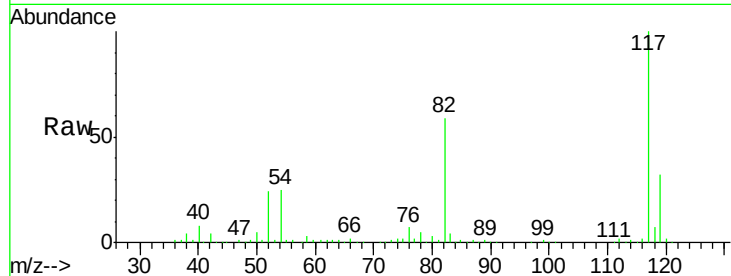




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

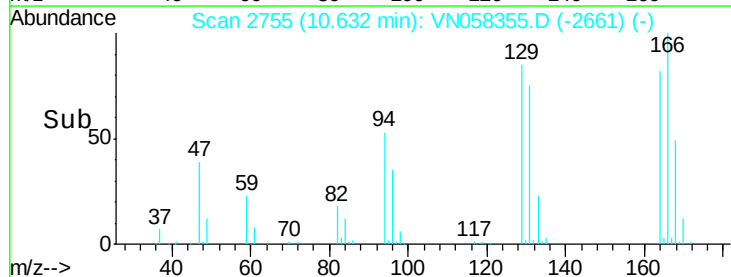
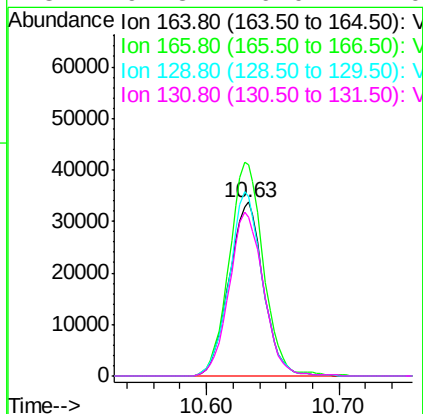
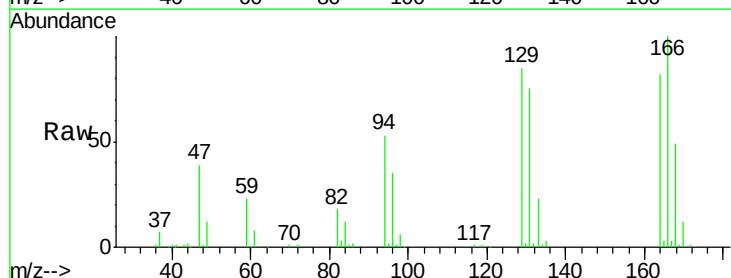
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

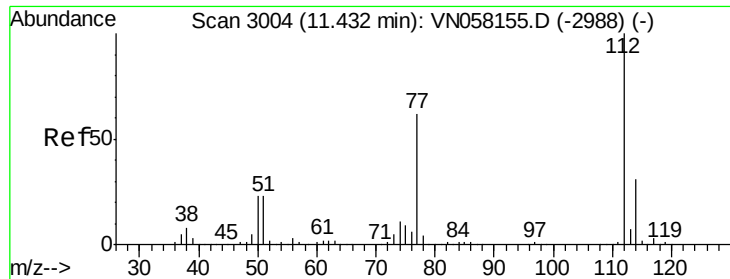
Tot Ion:117 Resp: 664831
Ion Ratio Lower Upper
117 100
82 59.5 46.9 70.3
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 18.665 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion:164 Resp: 60491
Ion Ratio Lower Upper
164 100
166 122.0 102.2 153.4
129 103.3 79.6 119.4
131 91.3 76.0 114.0

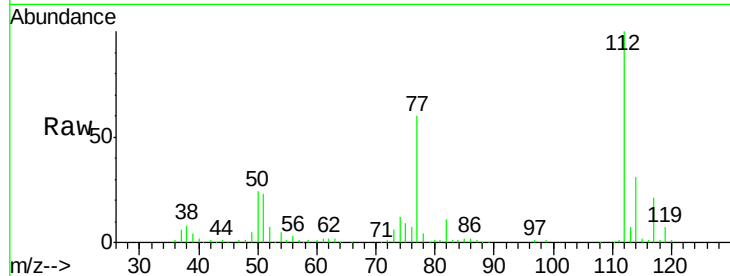




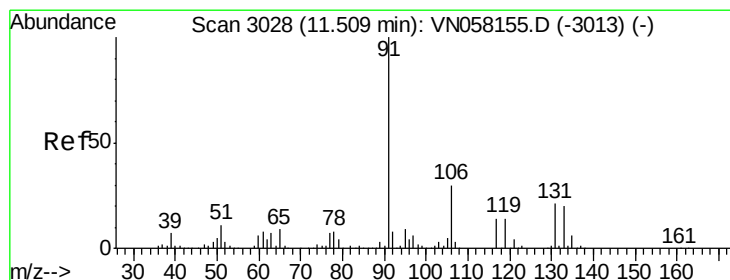
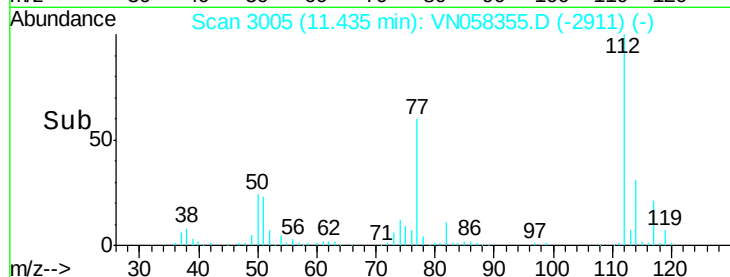
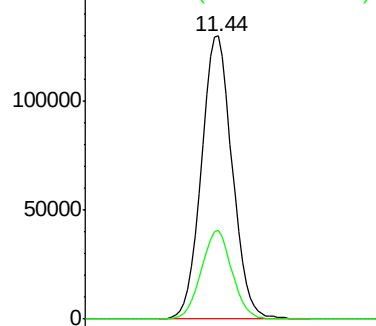
#65
Chlorobenzene
Concen: 19.548 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion:112 Resp: 228594
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7

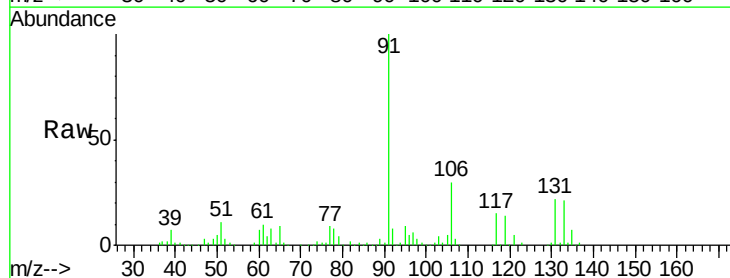


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

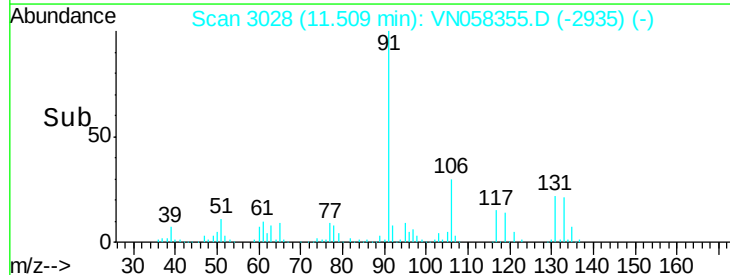
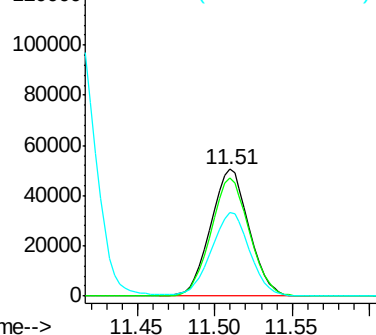


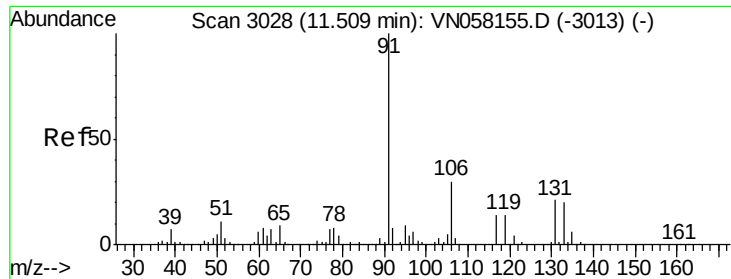
#66
1,1,1,2-Tetrachloroethane
Concen: 20.595 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion:131 Resp: 87329
Ion Ratio Lower Upper
131 100
133 92.9 47.8 143.3
119 65.9 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

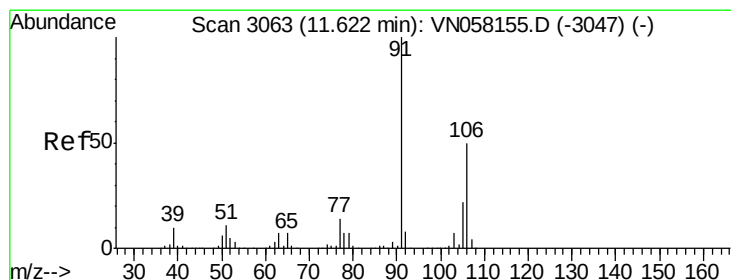
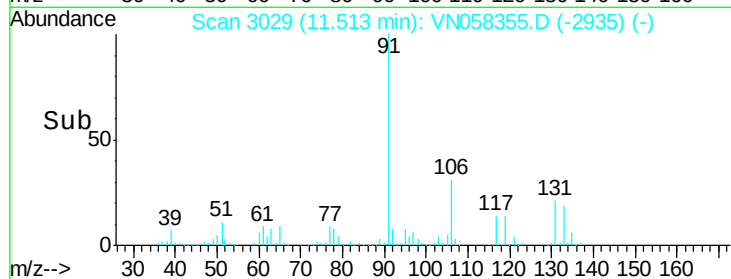
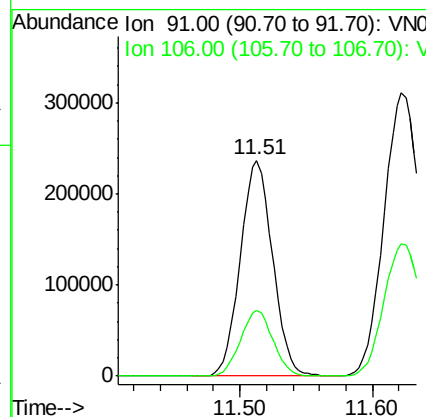
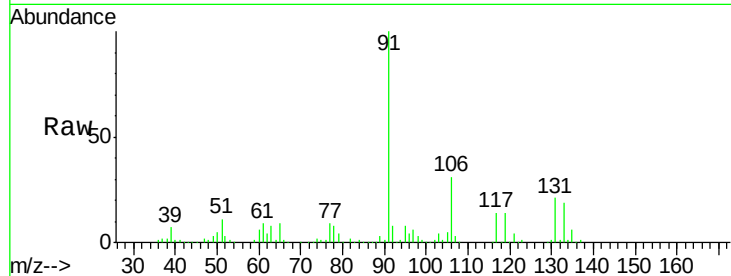




#67
Ethyl Benzene
Concen: 19.982 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

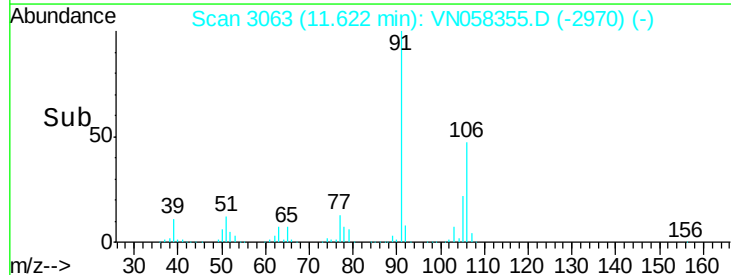
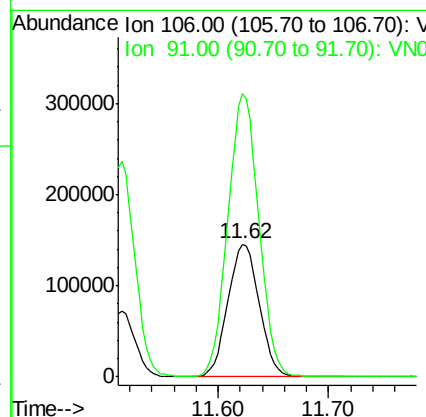
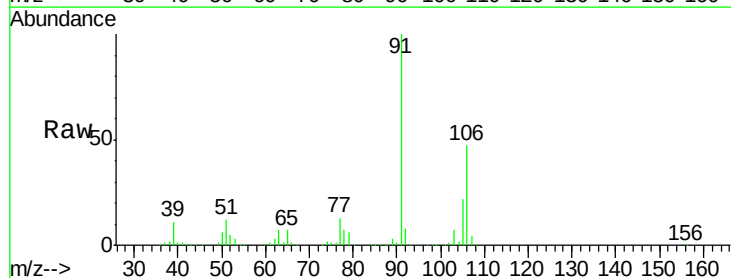
Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

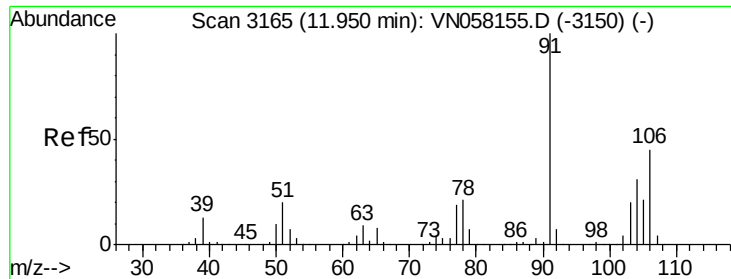
Tot Ion: 91 Resp: 400388
Ion Ratio Lower Upper
91 100
106 30.7 24.0 36.0



#68
m/p-Xylenes
Concen: 38.033 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion: 106 Resp: 287020
Ion Ratio Lower Upper
106 100
91 210.3 163.6 245.4

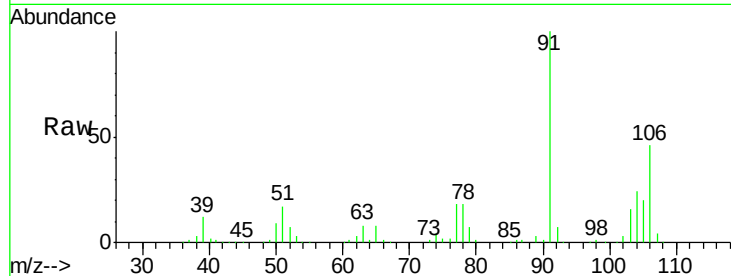




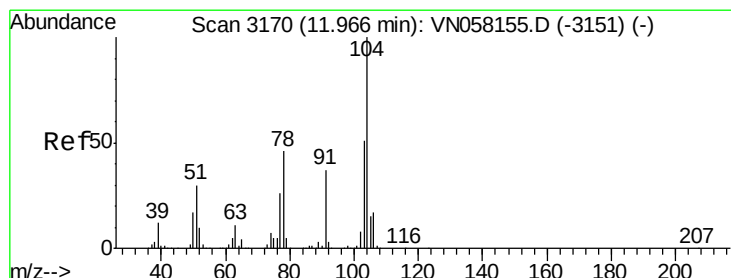
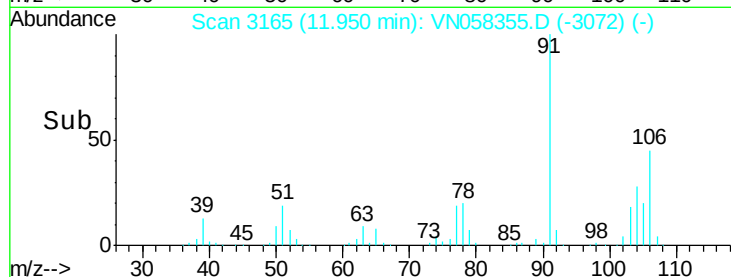
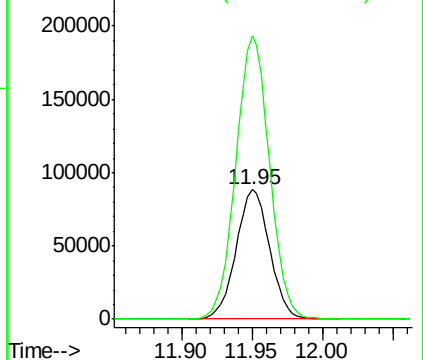
#69
o-Xylene
Concen: 19.911 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion:106 Resp: 147748
Ion Ratio Lower Upper
106 100
91 219.4 111.8 335.3

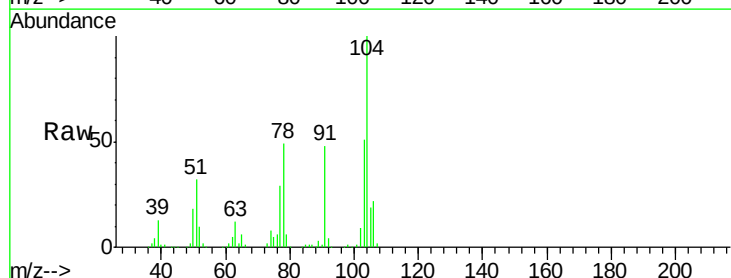


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

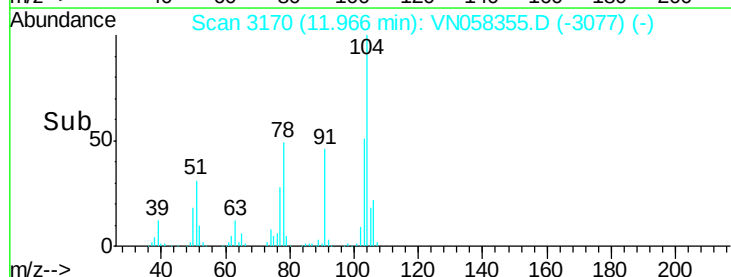
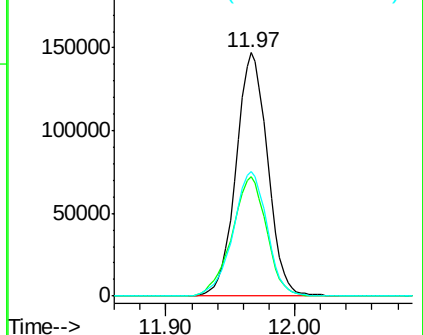


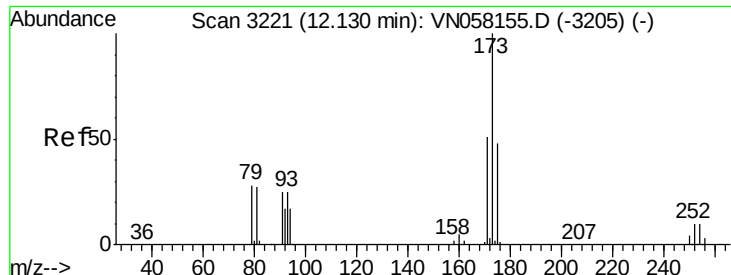
#70
Styrene
Concen: 19.579 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058355.D
Acq: 25 Sep 2019 10:46

Tgt Ion:104 Resp: 250322
Ion Ratio Lower Upper
104 100
78 53.8 41.8 62.8
103 55.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

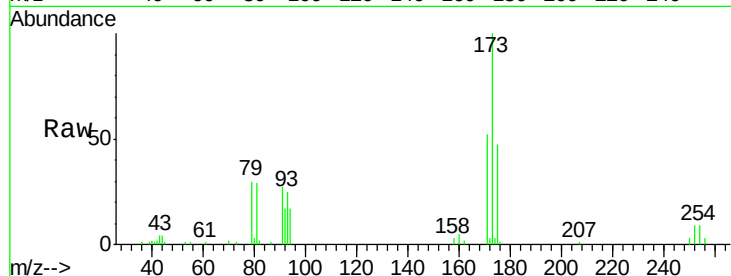




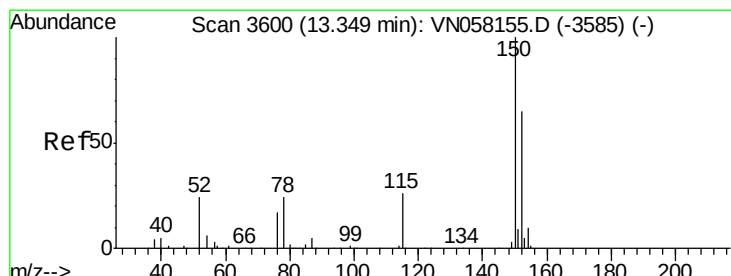
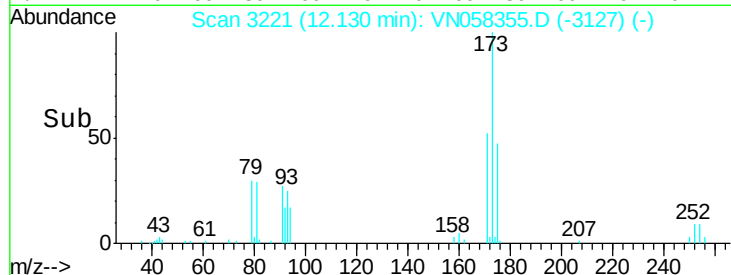
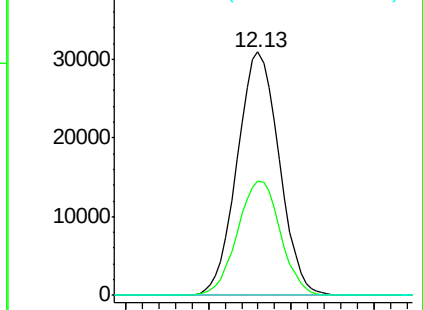
#71
 Bromoform
 Concen: 19.685 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

Tot Ion:173 Resp: 54502
 Ion Ratio Lower Upper
 173 100
 175 47.9 24.2 72.6
 254 0.0 0.1 0.1#

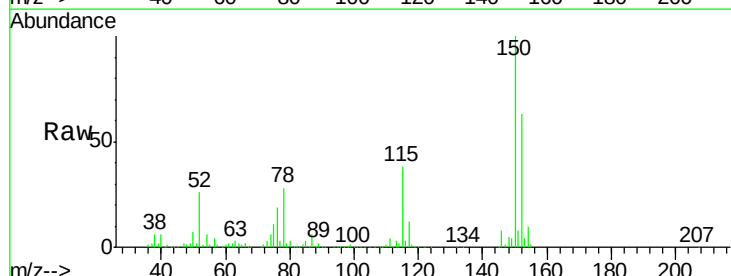


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

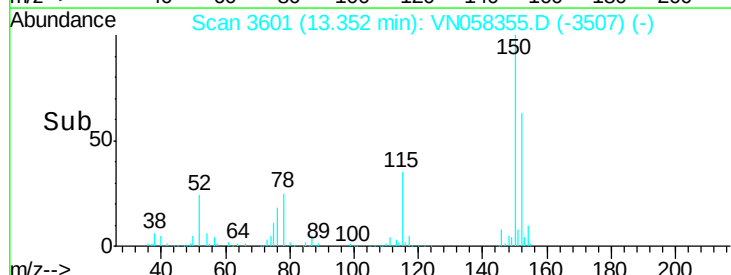
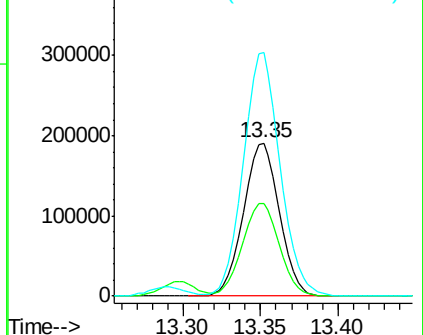


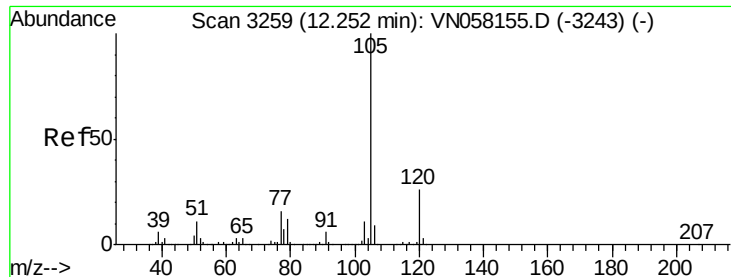
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion:152 Resp: 308577
 Ion Ratio Lower Upper
 152 100
 115 62.1 30.1 90.3
 150 163.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.252 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

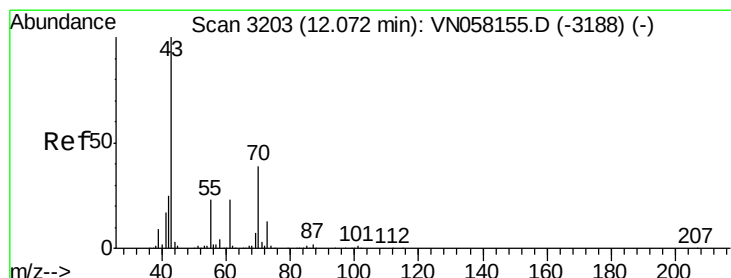
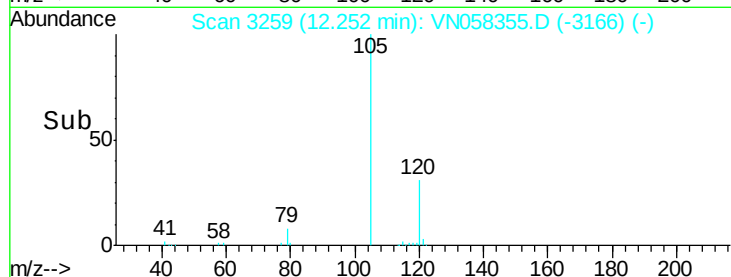
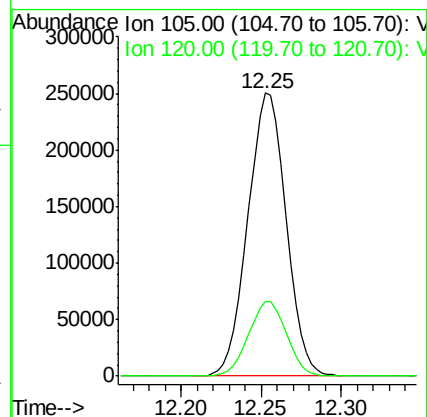
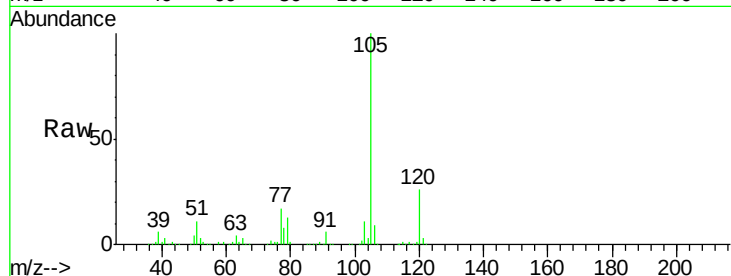
VN0925WBS01

Tot Ion:105 Resp: 410490

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



#74

N-ethyl acetate

Concen: 21.710 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Tgt Ion: 43 Resp: 175419

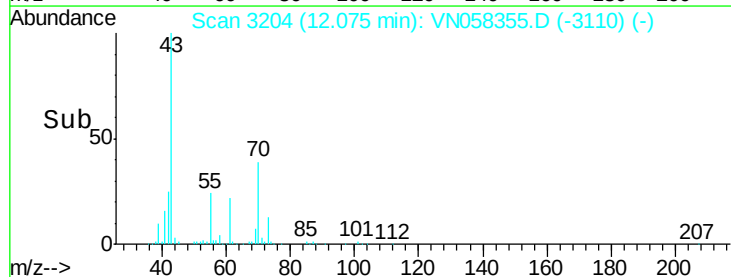
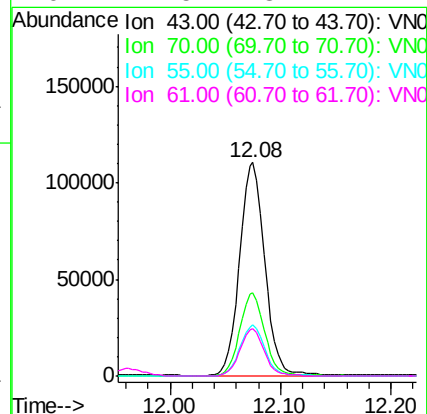
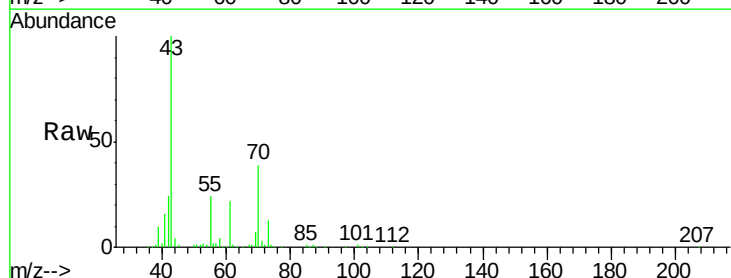
Ion Ratio Lower Upper

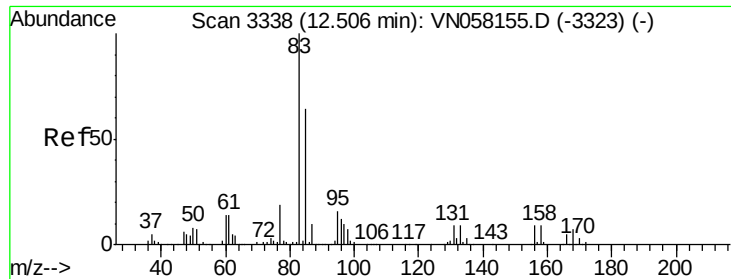
43 100

70 38.8 31.0 46.6

55 23.8 18.5 27.7

61 21.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.465 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

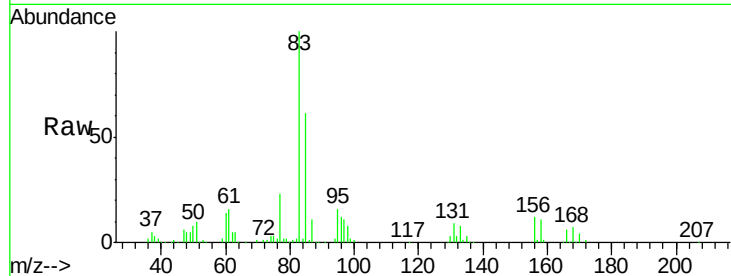
Tot Ion: 83 Resp: 145308

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

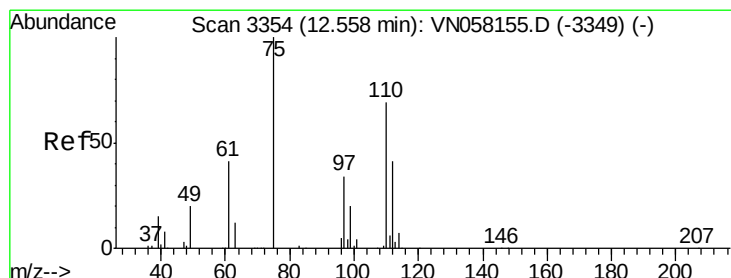
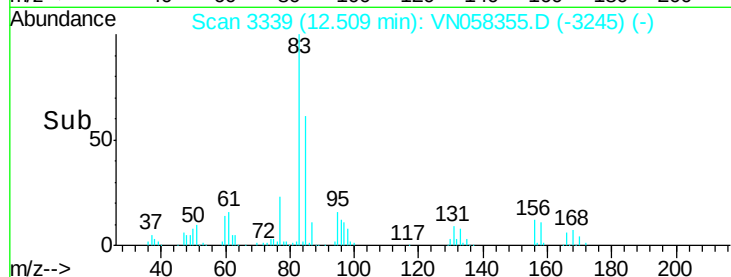
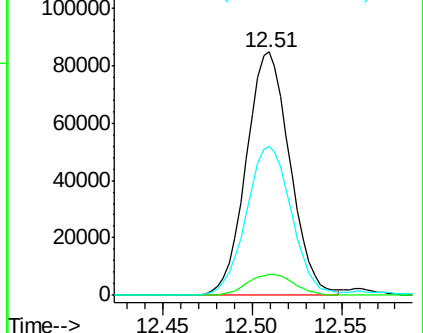
85 63.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.330 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058355.D

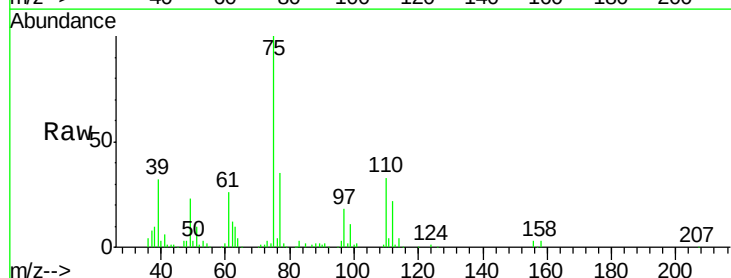
Acq: 25 Sep 2019 10:46

Tgt Ion: 75 Resp: 167501

Ion Ratio Lower Upper

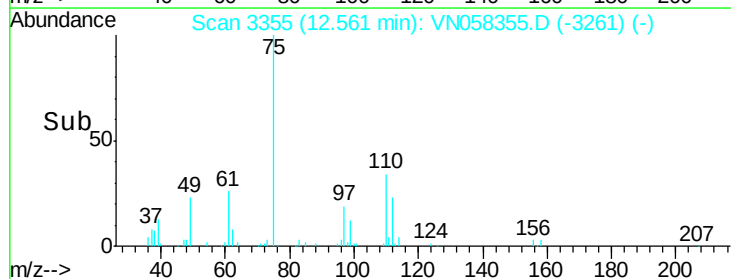
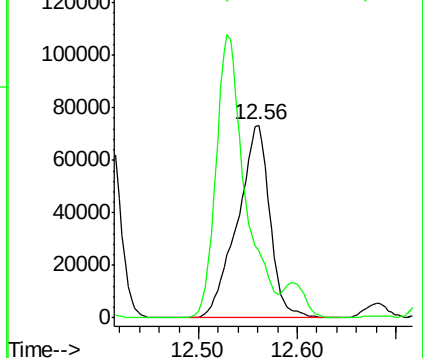
75 100

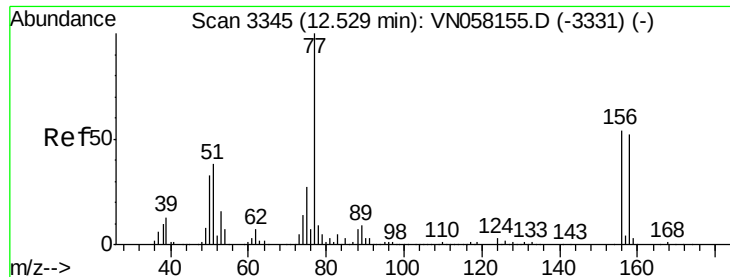
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.862 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

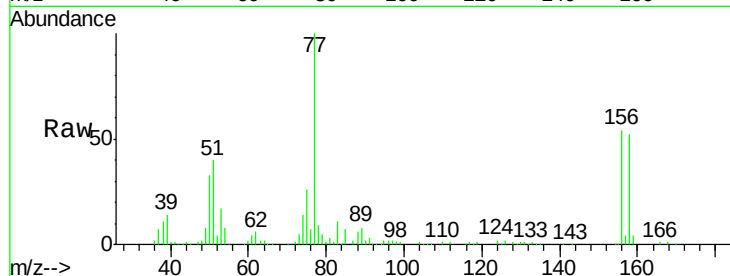
Tot Ion:156 Resp: 96502

Ion Ratio Lower Upper

156 100

77 229.7 111.7 335.1

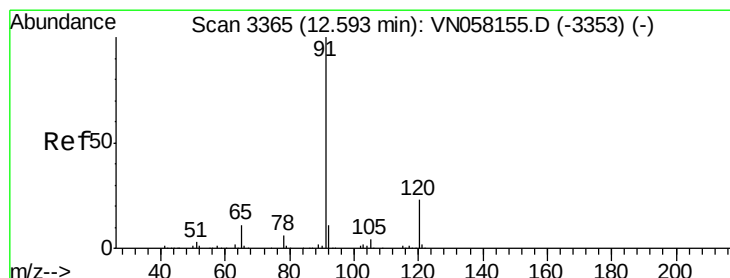
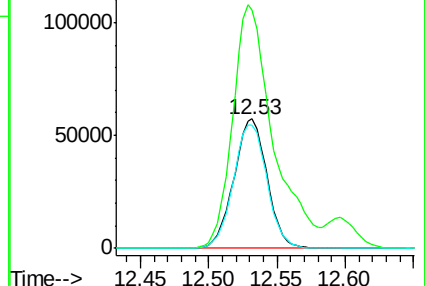
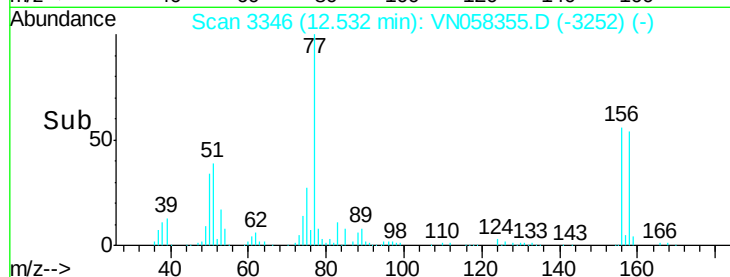
158 97.2 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.880 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058355.D

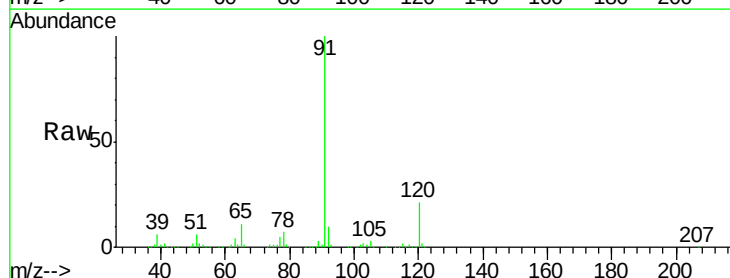
Acq: 25 Sep 2019 10:46

Tgt Ion: 91 Resp: 480245

Ion Ratio Lower Upper

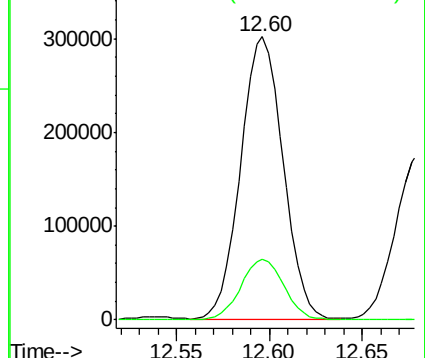
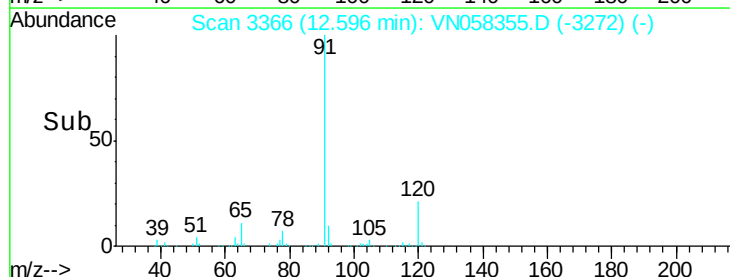
91 100

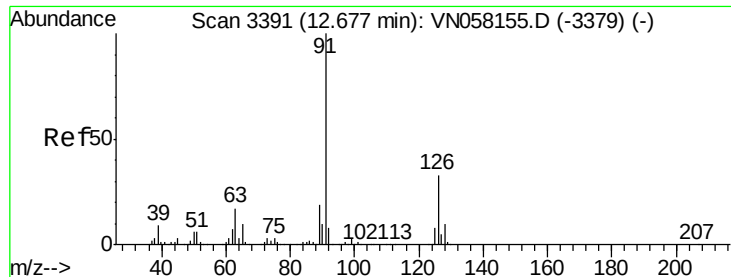
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

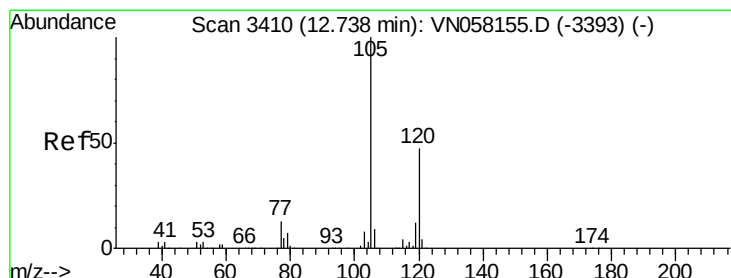
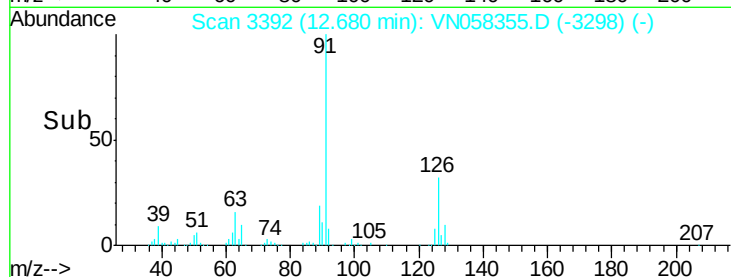
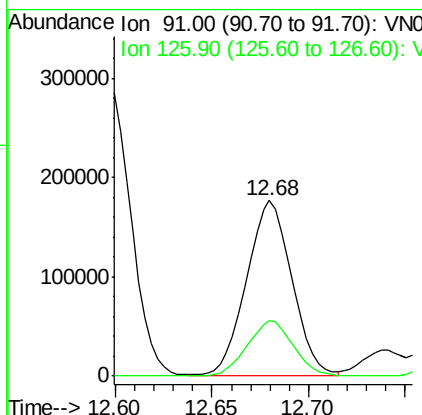
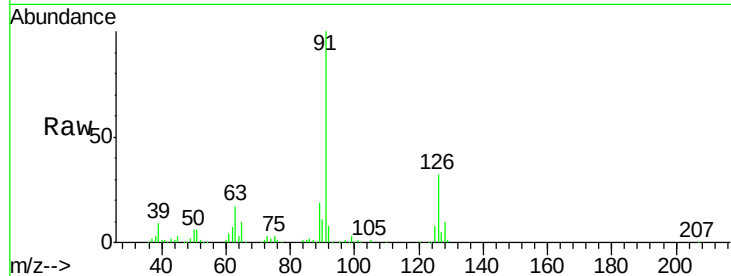




#79
 2-Chlorotoluene
 Concen: 20.931 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

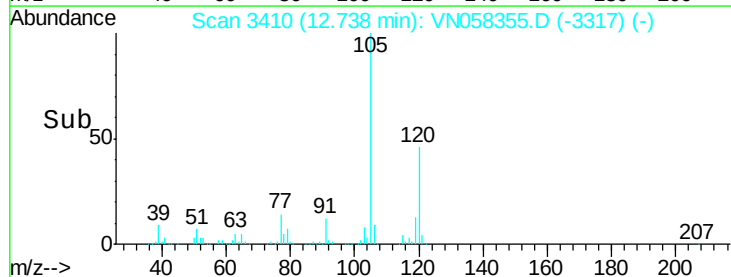
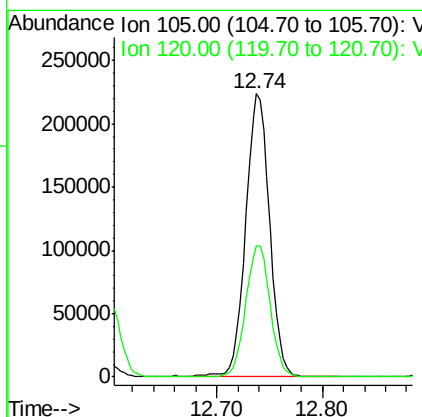
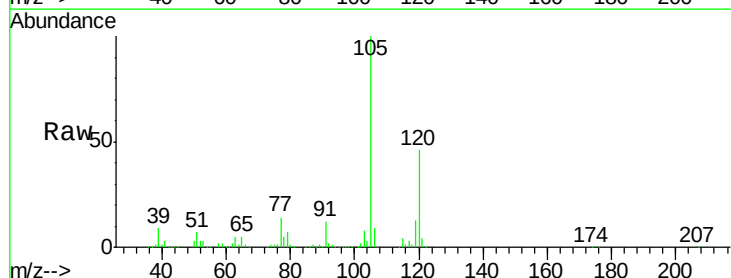
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

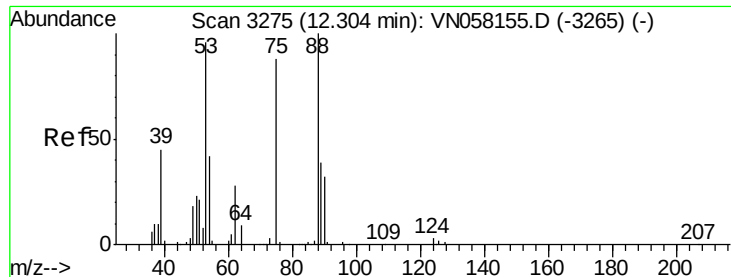
Tot Ion: 91 Resp: 287116
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.477 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion: 105 Resp: 350782
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.251 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

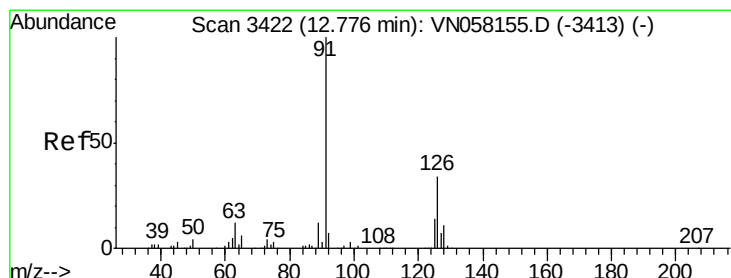
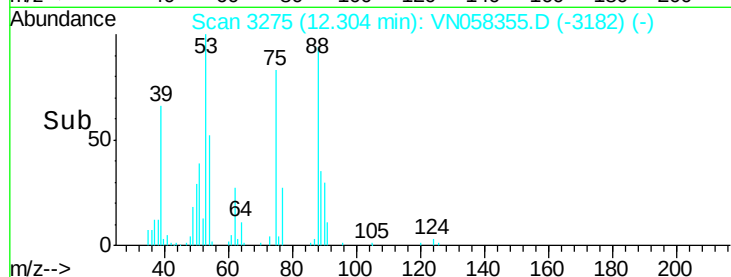
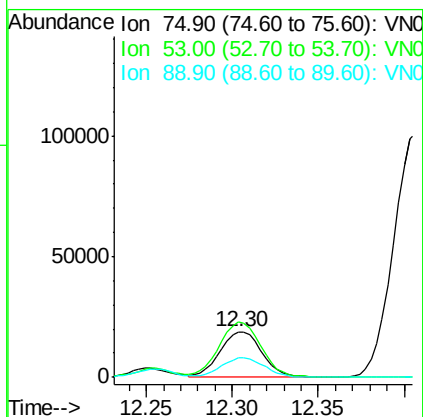
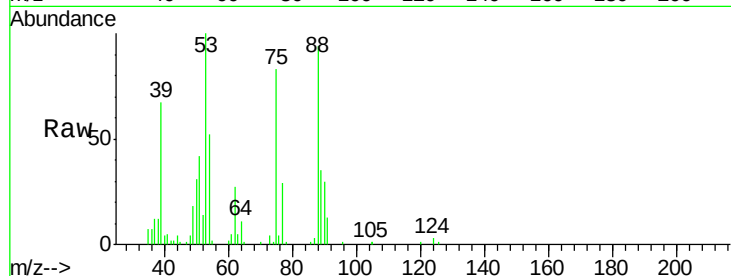
Tot Ion: 75 Resp: 32460

Ion Ratio Lower Upper

75 100

53 121.2 90.1 135.1

89 43.8 36.2 54.2



#82

4-Chlorotoluene

Concen: 20.682 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058355.D

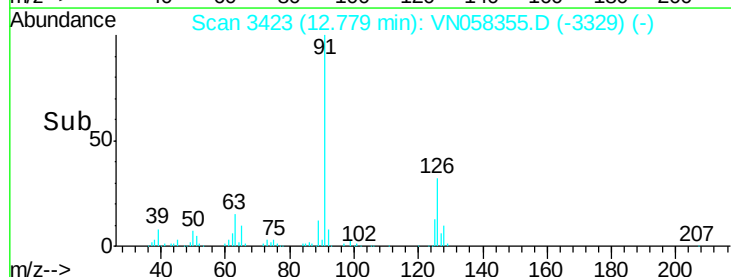
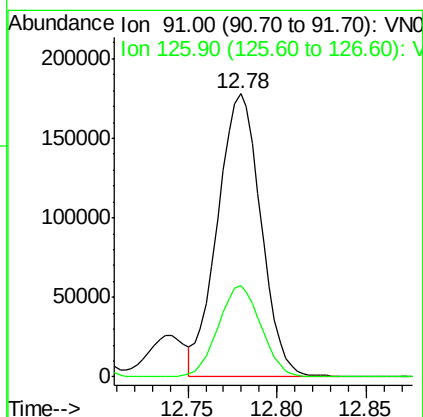
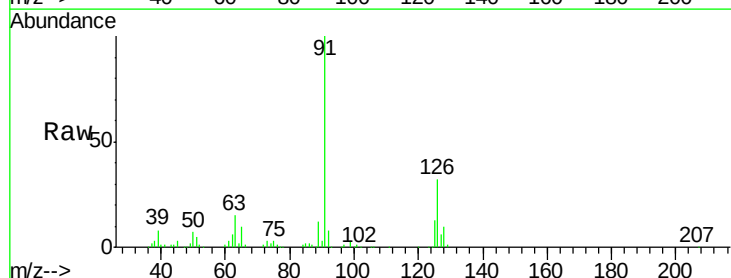
Acq: 25 Sep 2019 10:46

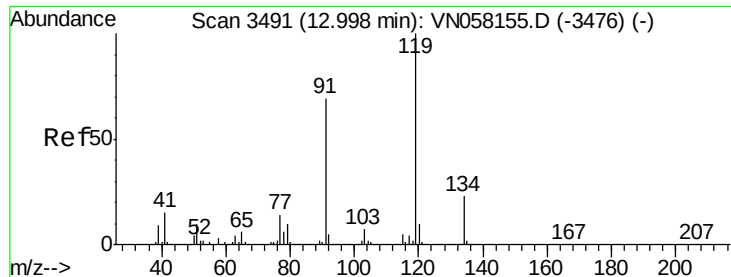
Tgt Ion: 91 Resp: 298217

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1

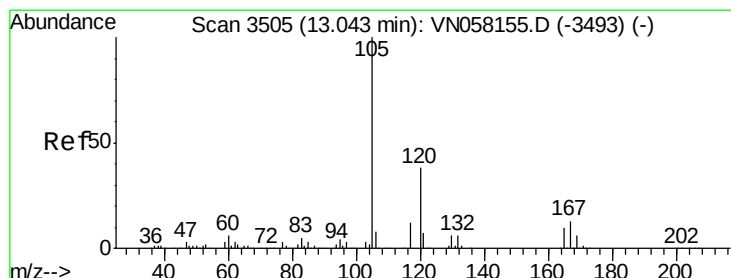
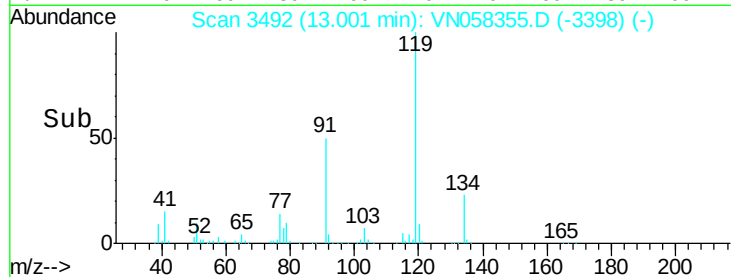
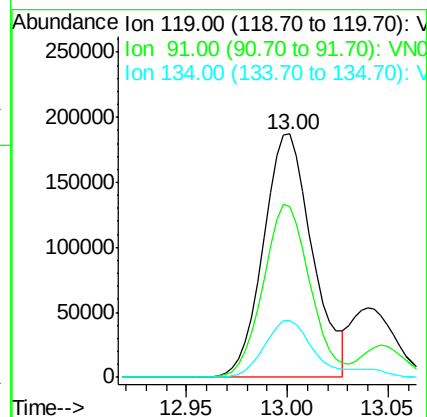
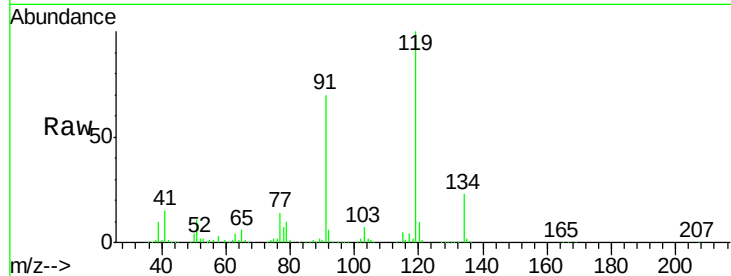




#83
 tert-Butylbenzene
 Concen: 21.743 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

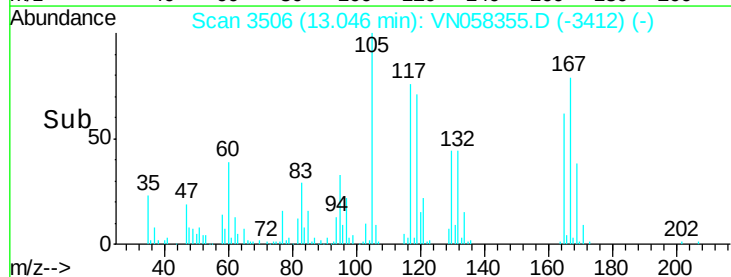
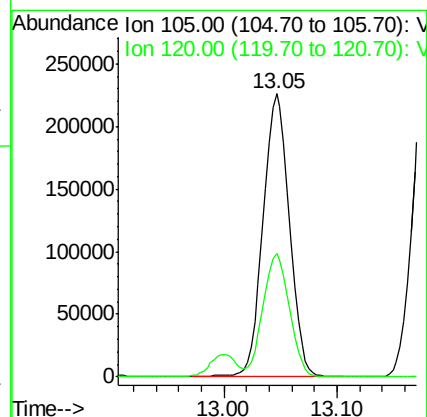
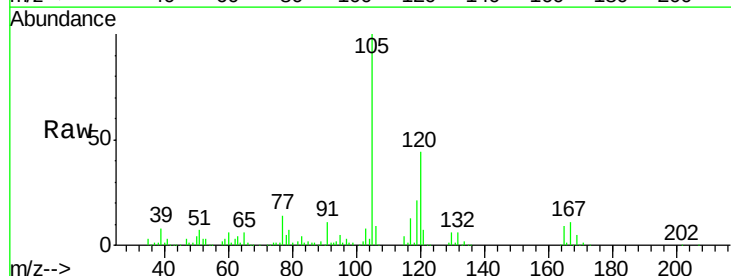
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

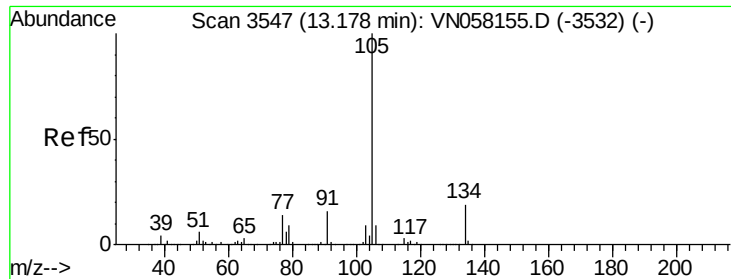
Tot Ion:119 Resp: 316705
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.8 101.3
 134 23.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.520 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion:105 Resp: 366047
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.944 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

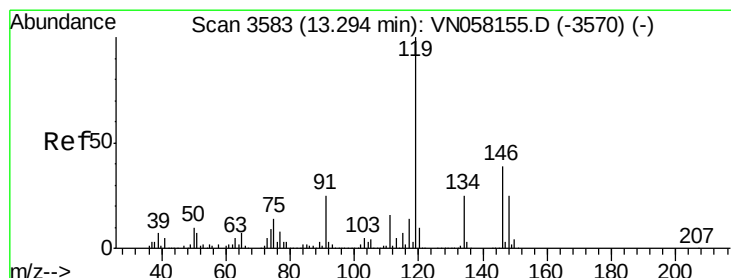
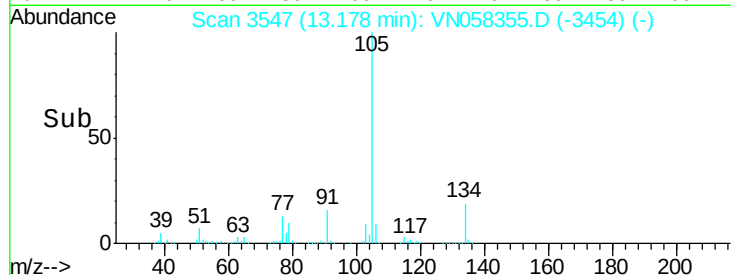
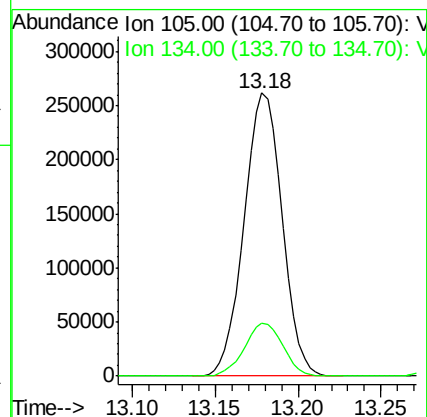
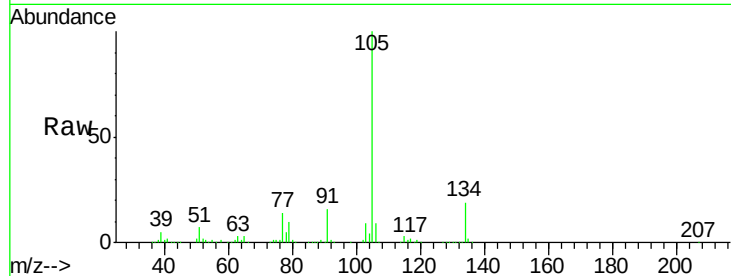
VN0925WBS01

Tot Ion:105 Resp: 417973

Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5



#86

p-Isopropyltoluene

Concen: 21.823 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

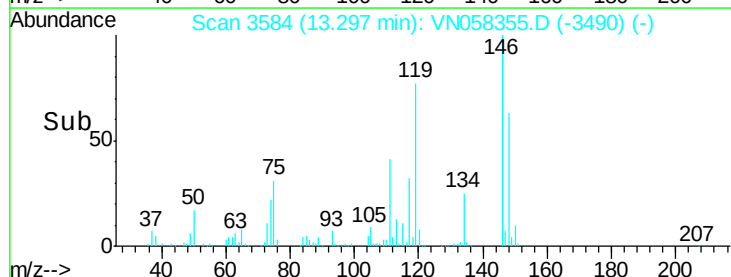
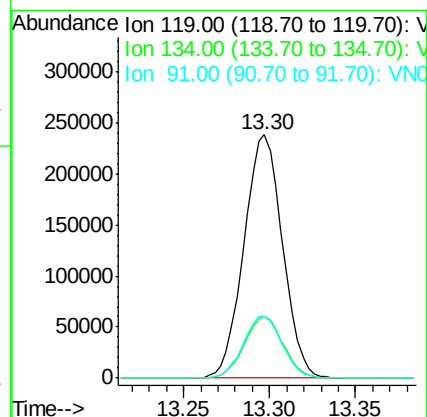
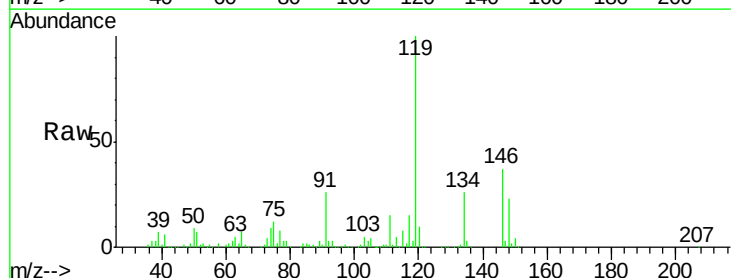
Tgt Ion:119 Resp: 369529

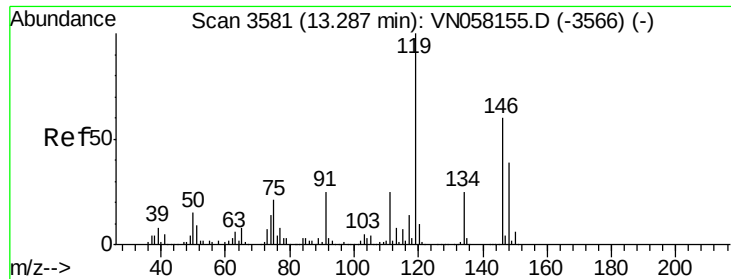
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 25.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.619 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

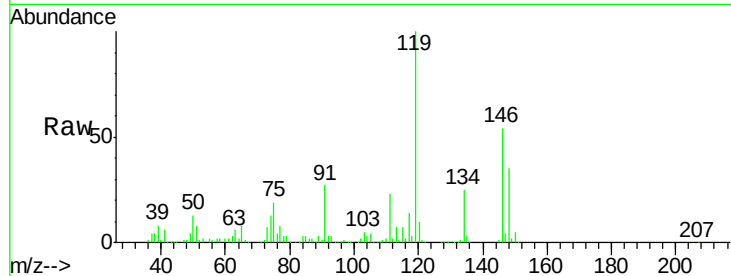
Tot Ion:146 Resp: 182973

Ion Ratio Lower Upper

146 100

111 41.6 20.9 62.8

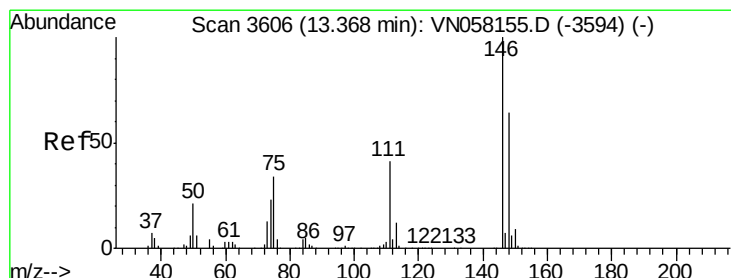
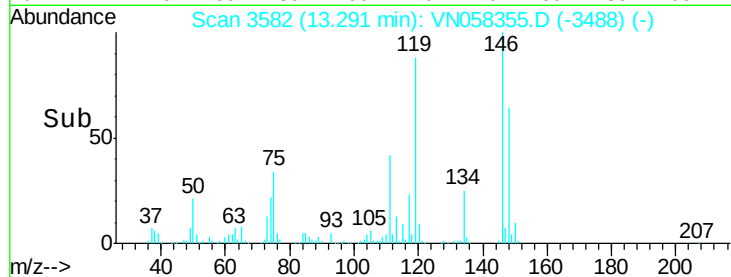
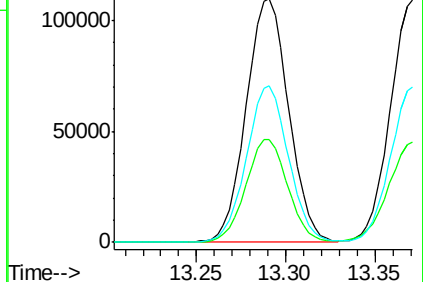
148 63.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.777 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

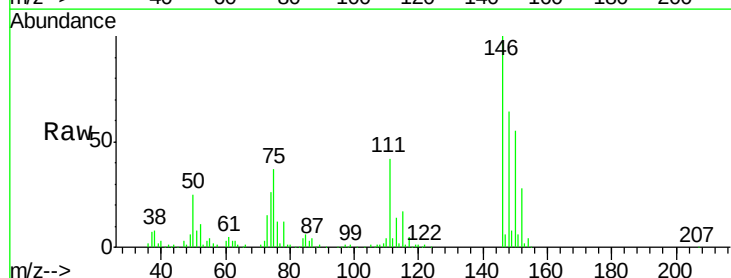
Tgt Ion:146 Resp: 179170

Ion Ratio Lower Upper

146 100

111 43.5 20.5 61.5

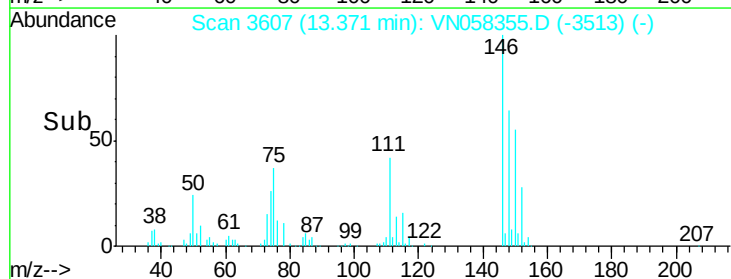
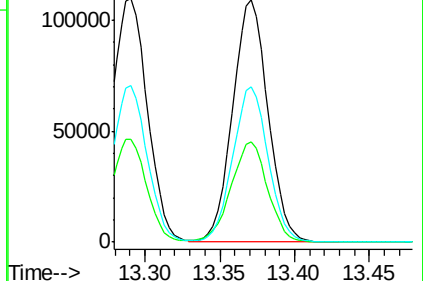
148 63.9 31.9 95.5

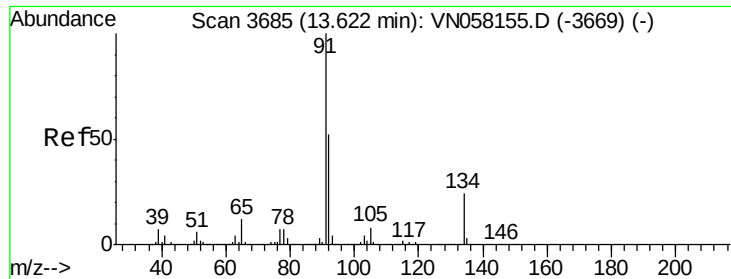


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.710 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

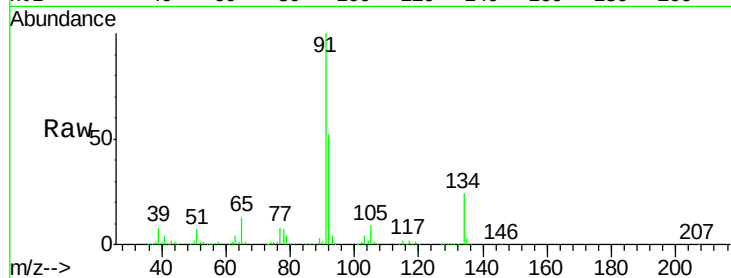
Tot Ion: 91 Resp: 332472

Ion Ratio Lower Upper

91 100

92 51.8 25.7 77.0

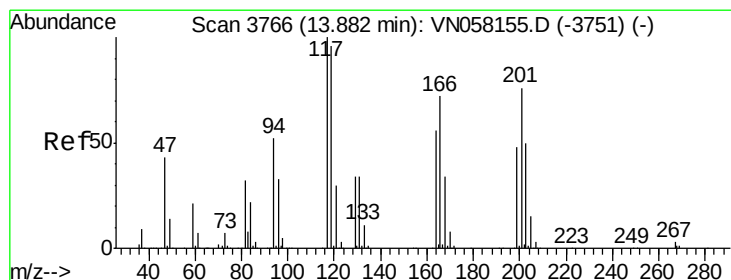
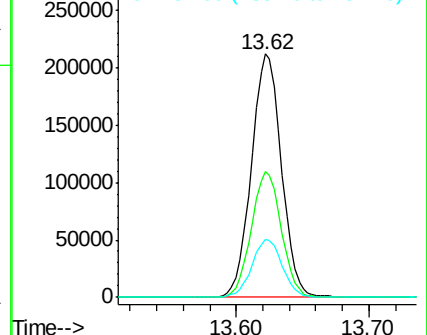
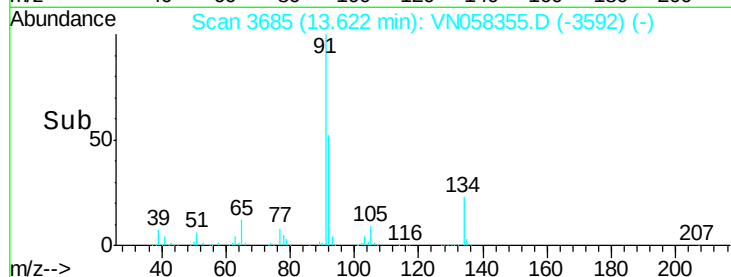
134 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.548 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058355.D

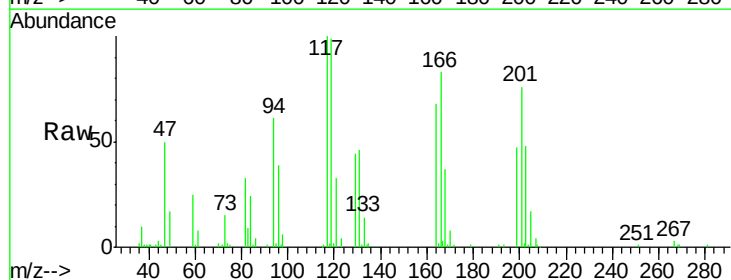
Acq: 25 Sep 2019 10:46

Tgt Ion: 117 Resp: 55780

Ion Ratio Lower Upper

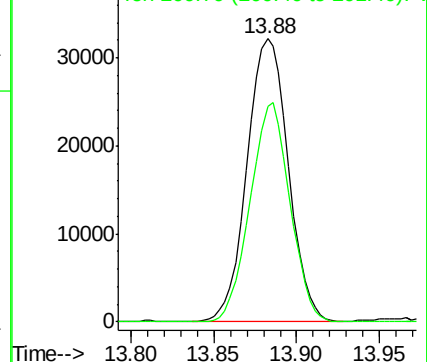
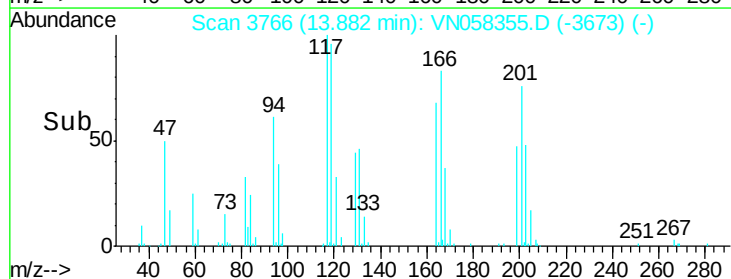
117 100

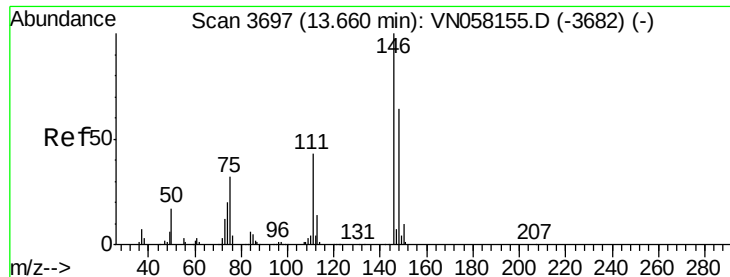
201 74.4 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.759 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

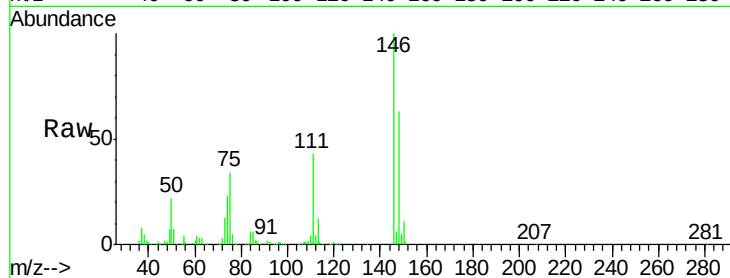
Tot Ion:146 Resp: 184787

Ion Ratio Lower Upper

146 100

111 43.5 21.1 63.1

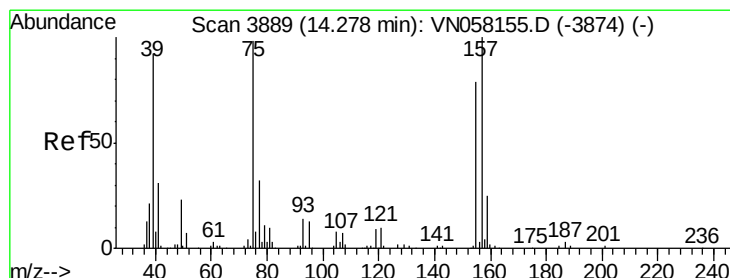
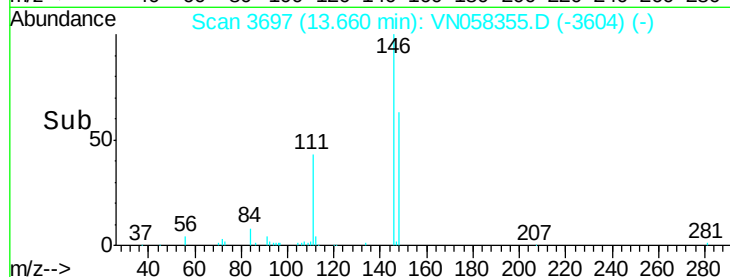
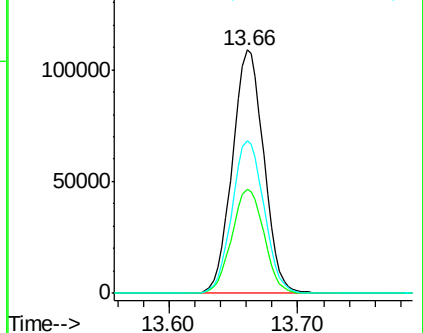
148 63.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.594 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

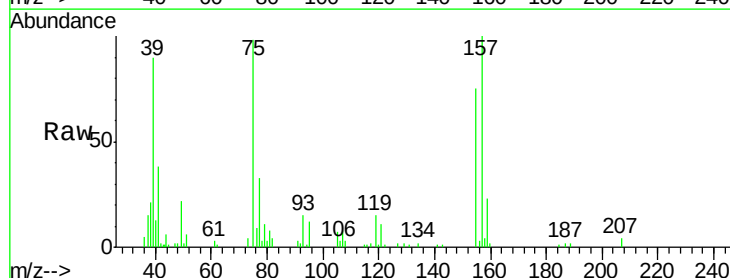
Tgt Ion: 75 Resp: 25146

Ion Ratio Lower Upper

75 100

155 71.7 38.3 114.8

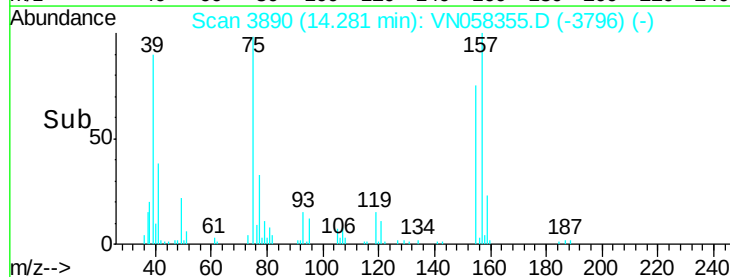
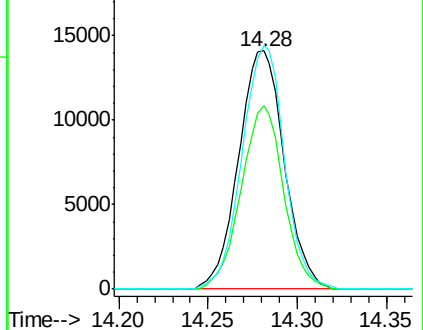
157 95.3 48.0 144.0

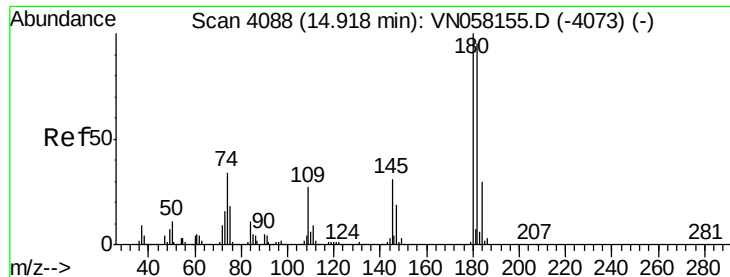


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

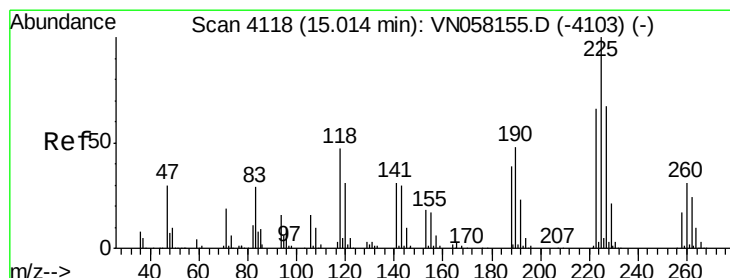
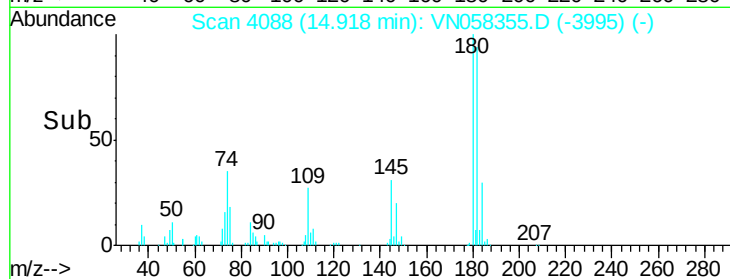
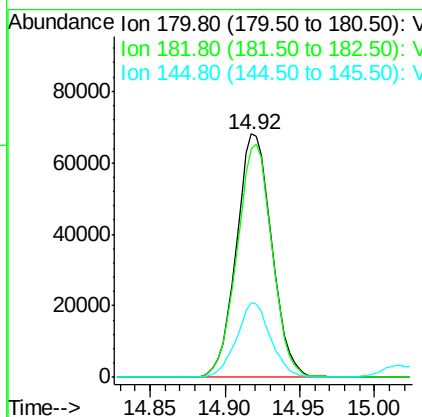
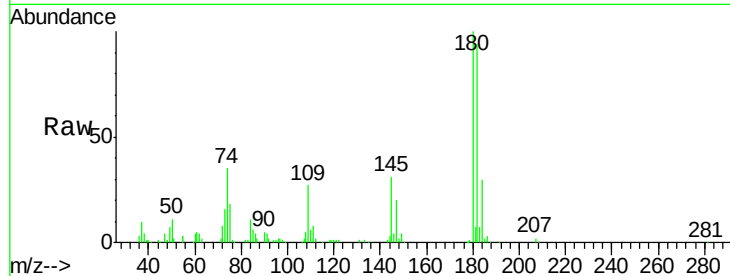




#93
 1,2,4-Trichlorobenzene
 Concen: 19.670 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

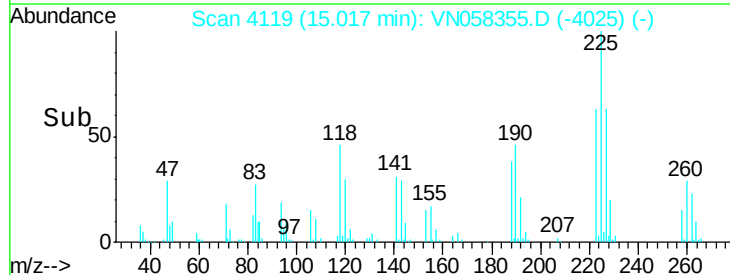
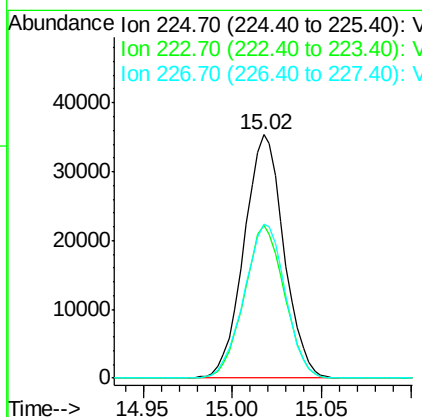
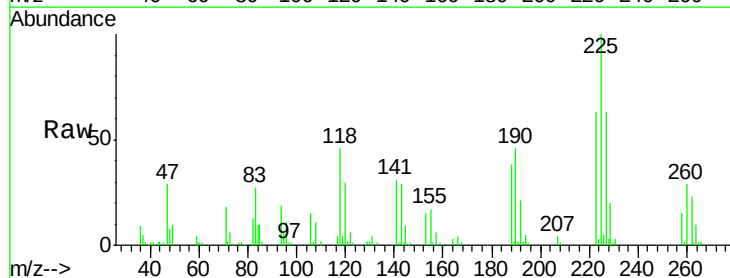
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

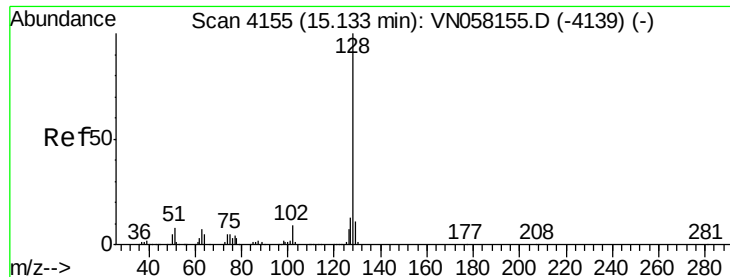
Tot Ion:180 Resp: 111871
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.8 143.3
 145 29.8 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 20.050 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058355.D
 Acq: 25 Sep 2019 10:46

Tgt Ion:225 Resp: 55116
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.6 97.7
 227 65.2 33.0 99.0





#95

Naphthalene

Concen: 22.429 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

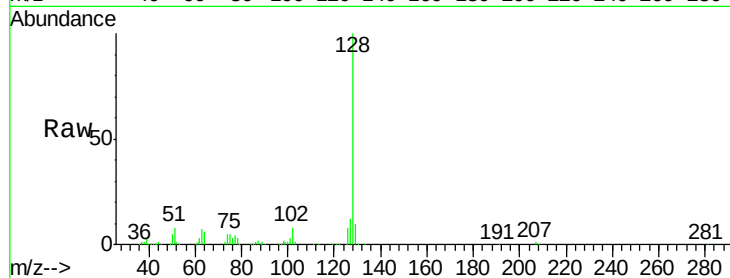
Tot Ion:128 Resp: 330591

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

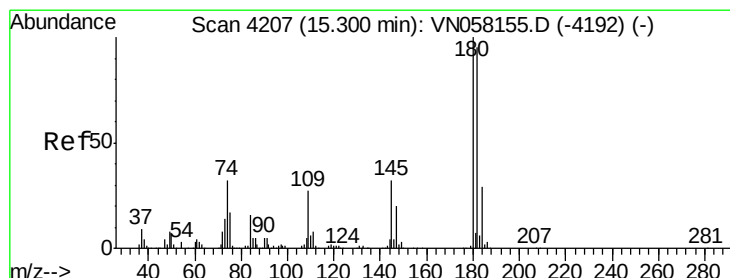
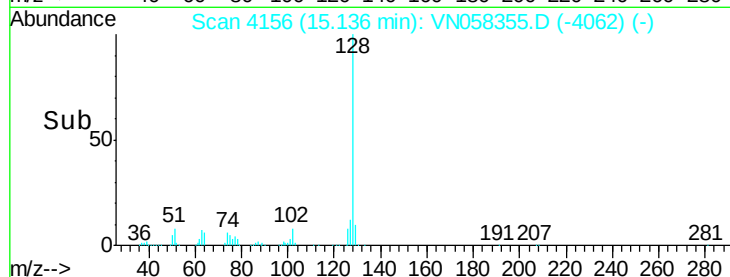
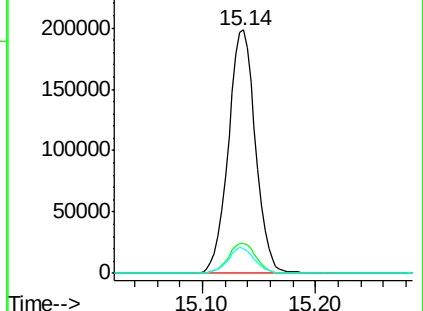
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.864 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058355.D

Acq: 25 Sep 2019 10:46

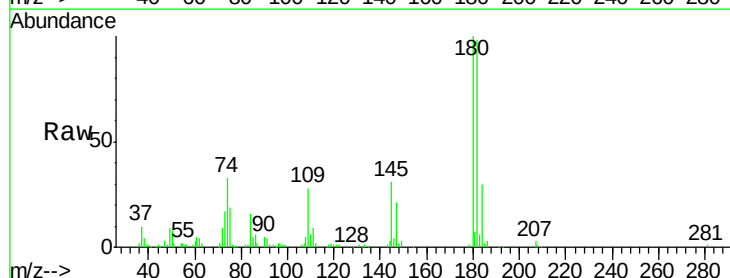
Tgt Ion:180 Resp: 106781

Ion Ratio Lower Upper

180 100

182 97.3 47.4 142.2

145 31.5 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

