

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058592.D
 Acq On : 8 Oct 2019 00:52
 Operator : JC/SP
 Sample : K5197-04MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:10:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	423995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324433	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	301203	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.57	113	219291	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.09	98	839400	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.41	95	321470	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	190852	41.052	ug/l	98
3) Chloromethane	2.04	50	280611	54.902	ug/l	99
4) Vinyl Chloride	2.17	62	263148	52.557	ug/l	100
5) Bromomethane	2.54	94	133264	50.109	ug/l	100
6) Chloroethane	2.68	64	162866	54.288	ug/l	98
7) Trichlorofluoromethane	3.00	101	329533	54.539	ug/l	96
8) Diethyl Ether	3.39	74	130829	50.184	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	181629	44.262	ug/l	98
10) Methyl Iodide	3.93	142	198459	43.617	ug/l	100
11) Tert butyl alcohol	4.76	59	206527	300.042	ug/l	99
12) 1,1-Dichloroethene	3.71	96	187448	46.865	ug/l	100
13) Acrolein	3.58	56	66243	302.578	ug/l	97
14) Allyl chloride	4.30	41	368162	50.579	ug/l	95
15) Acrylonitrile	4.96	53	555013	276.665	ug/l	100
16) Acetone	3.79	43	491117	232.519	ug/l	100
17) Carbon Disulfide	4.03	76	502063	47.619	ug/l	98
18) Methyl Acetate	4.30	43	259419	48.833	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	752205	53.300	ug/l	100
20) Methylene Chloride	4.53	84	237128	48.649	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	211748	47.607	ug/l	99
22) Diisopropyl ether	5.93	45	811692	51.820	ug/l	98
23) Vinyl Acetate	5.87	43	3041091	257.488	ug/l	100
24) 1,1-Dichloroethane	5.82	63	451198	51.183	ug/l	100
25) 2-Butanone	6.82	43	738460	254.648	ug/l	99
26) 2,2-Dichloropropane	6.80	77	285627	39.412	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	262864	50.566	ug/l	96
28) Bromochloromethane	7.18	49	181882	51.616	ug/l	99
29) Tetrahydrofuran	7.19	42	492910	267.805	ug/l	99
30) Chloroform	7.36	83	449240	50.290	ug/l	99
31) Cyclohexane	7.64	56	364667	42.527	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	389674	53.121	ug/l	99
36) 1,1-Dichloropropene	7.78	75	324426	47.220	ug/l	99
37) Ethyl Acetate	6.91	43	297740	51.114	ug/l	99
38) Carbon Tetrachloride	7.76	117	330996	53.373	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	336062	41.886	ug/l	97
40) Benzene	8.03	78	981451	49.696	ug/l	99
41) Methacrylonitrile	7.15	41	140692	52.501	ug/l	98
42) 1,2-Dichloroethane	8.11	62	380765	49.557	ug/l	100
43) Isopropyl Acetate	8.15	43	528714	48.268	ug/l #	90
44) Trichloroethene	8.82	130	277284	56.862	ug/l	96
45) 1,2-Dichloropropane	9.11	63	272299	51.411	ug/l	99
46) Dibromomethane	9.20	93	168783	50.319	ug/l	99
47) Bromodichloromethane	9.39	83	358317	56.382	ug/l	99
48) Methyl methacrylate	9.19	41	262393	52.608	ug/l	96
49) 1,4-Dioxane	9.19	88	89079	1335.667	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1586470	281.962	ug/l	99
52) Toluene	10.15	92	606849	48.819	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	383326	55.417	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	404250	52.648	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	242728	53.627	ug/l	98
56) Ethyl methacrylate	10.43	69	374367	54.508	ug/l	96
57) 1,3-Dichloropropane	10.71	76	429777	53.234	ug/l	99
59) 2-Hexanone	10.75	43	1149716	280.626	ug/l	99
60) Dibromochloromethane	10.90	129	265192	56.653	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245289	53.037	ug/l	100
64) Tetrachloroethene	10.63	164	2461282	582.093	ug/l	97
65) Chlorobenzene	11.44	112	654716	49.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	248380	55.725	ug/l	100
67) Ethyl Benzene	11.51	91	1195231	49.880	ug/l	99
68) m/p-Xylenes	11.63	106	875974	97.164	ug/l	99
69) o-Xylene	11.95	106	428200	49.339	ug/l	99
70) Stvrene	11.97	104	711735	50.481	ug/l	99
71) Bromoform	12.13	173	176876	57.320	ug/l	100
73) Isopropylbenzene	12.25	105	1155313	48.186	ug/l	100
74) N-amyl acetate	12.07	43	450591	47.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	360795	50.889	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	452104	76.294	ug/l #	100
77) Bromobenzene	12.53	156	277336	49.331	ug/l	99
78) n-propylbenzene	12.60	91	1332011	49.312	ug/l	99
79) 2-Chlorotoluene	12.68	91	807175	48.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	989093	49.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	100740	51.632	ug/l	95
82) 4-Chlorotoluene	12.78	91	827354	48.631	ug/l	99
83) tert-Butylbenzene	13.00	119	823782	48.641	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	986920	49.079	ug/l	99
85) sec-Butylbenzene	13.18	105	1088980	48.853	ug/l	99
86) p-Isopropyltoluene	13.30	119	983421	50.119	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	498867	48.937	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	487505	48.066	ug/l	99
89) n-Butylbenzene	13.62	91	858830	48.319	ug/l	99
90) Hexachloroethane	13.88	117	173281	58.777	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	493610	50.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69850	55.869	ug/l	98
93) 1,2,4-Trichlorobenzene	14.92	180	287693	53.153	ug/l	99

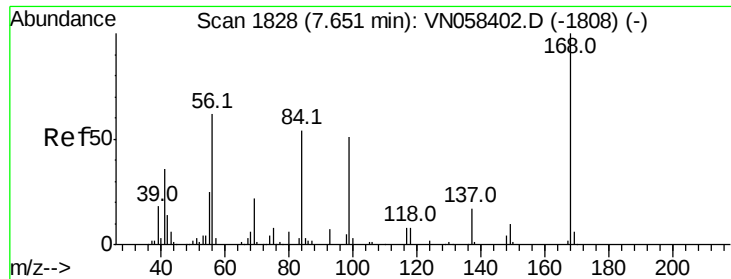
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	132955	47.792	ug/l	99
95) Naphthalene	15.13	128	789963	49.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	270933	49.928	ug/l	99

(#) = 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: VN058592.D

Acq: 8 Oct 2019 00:52

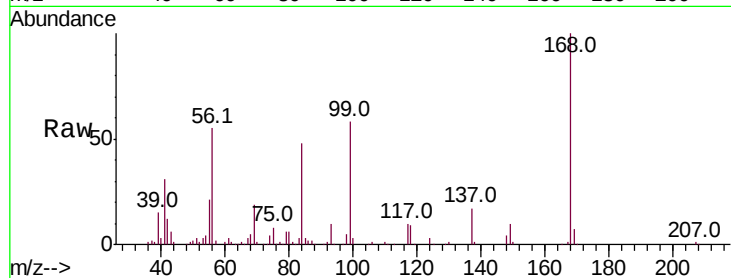
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 423995

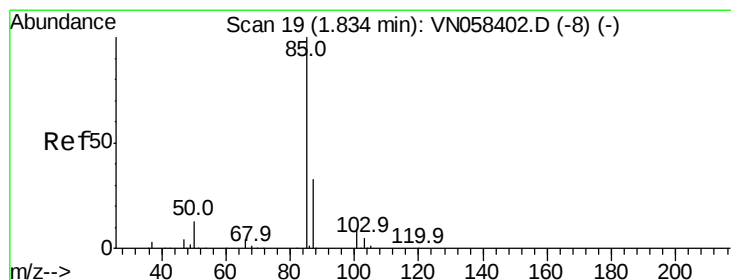
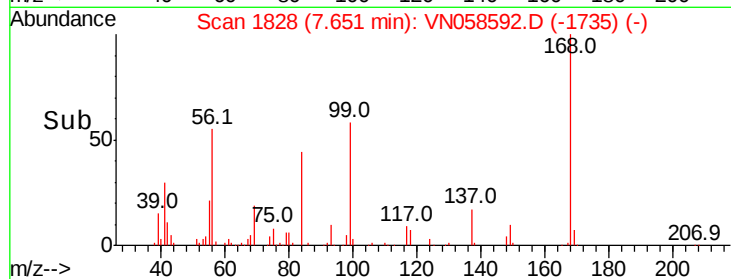
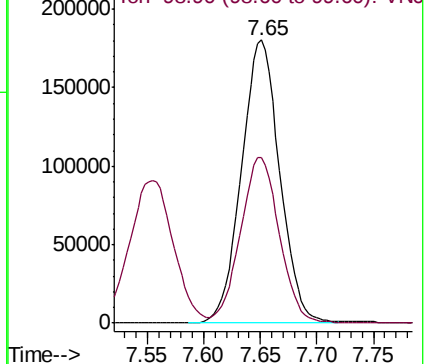
Ion Ratio Lower Upper

168 100

99 58.1 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.052 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058592.D

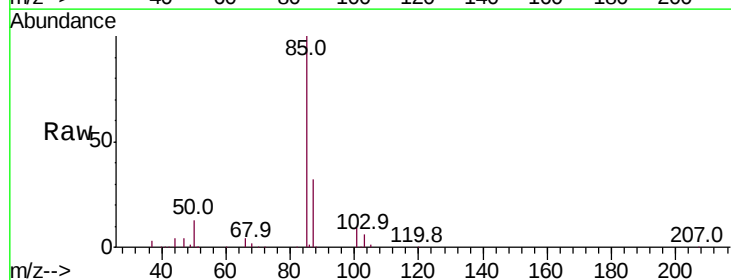
Acq: 8 Oct 2019 00:52

Tgt Ion: 85 Resp: 190852

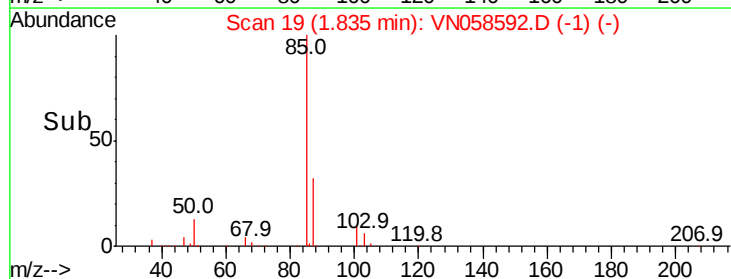
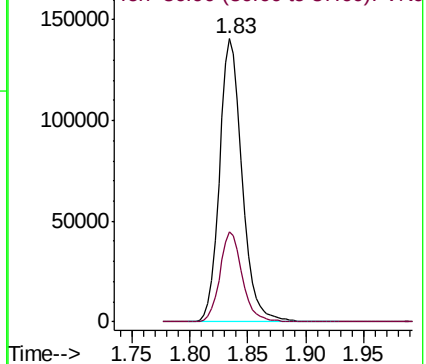
Ion Ratio Lower Upper

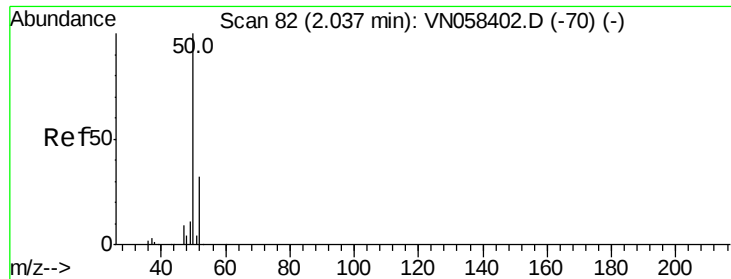
85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO
Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.902 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

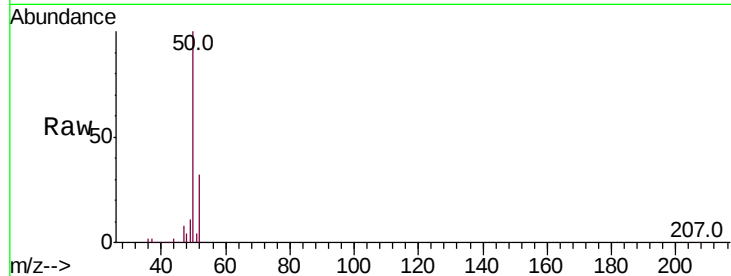
ClientSampleId :

Tot Ion: 50 Resp: 280611

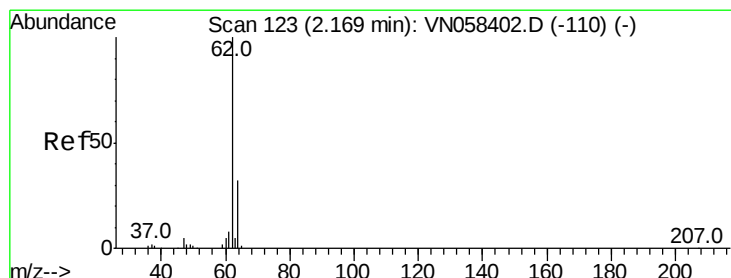
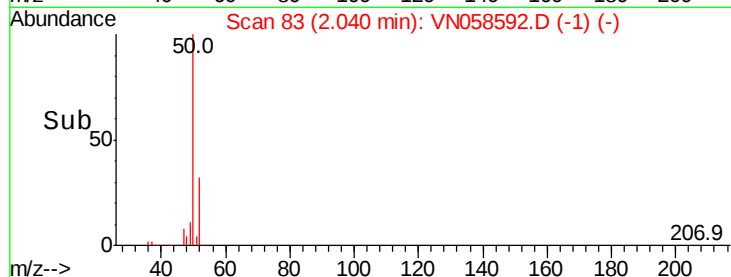
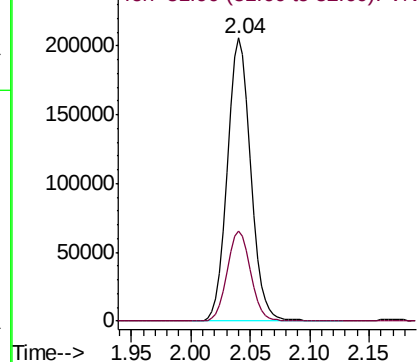
Ion Ratio Lower Upper

50 100

52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 52.557 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058592.D

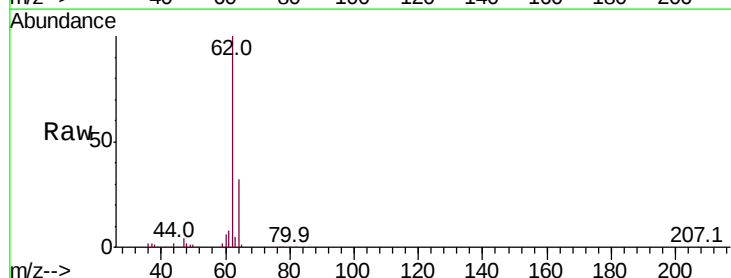
Acq: 8 Oct 2019 00:52

Tgt Ion: 62 Resp: 263148

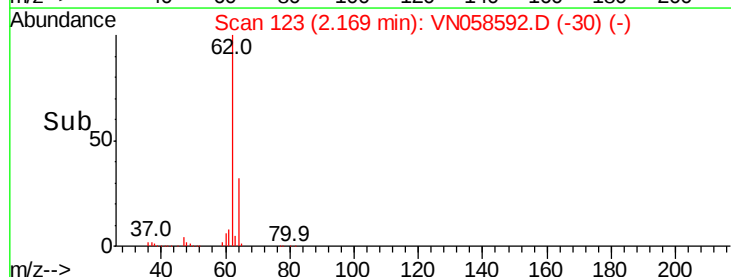
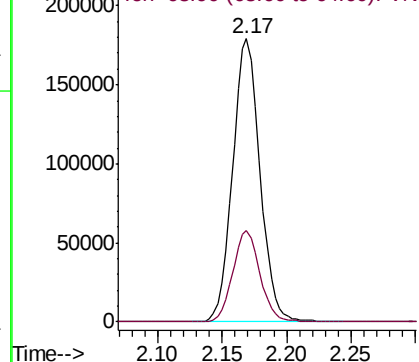
Ion Ratio Lower Upper

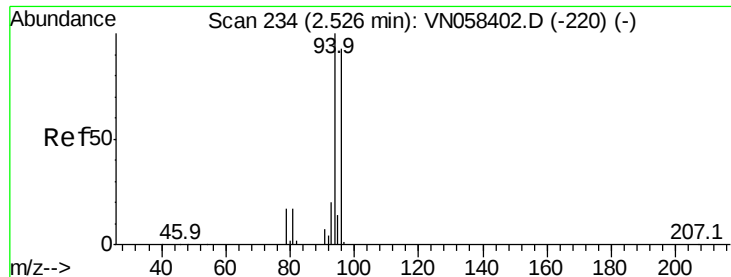
62 100

64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.109 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

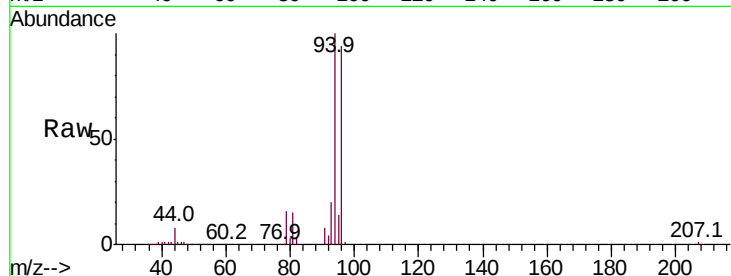
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 133264

Ion Ratio Lower Upper

94 100

96 93.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN058592.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058592.D (-141) (-)

2.54

80000

60000

40000

20000

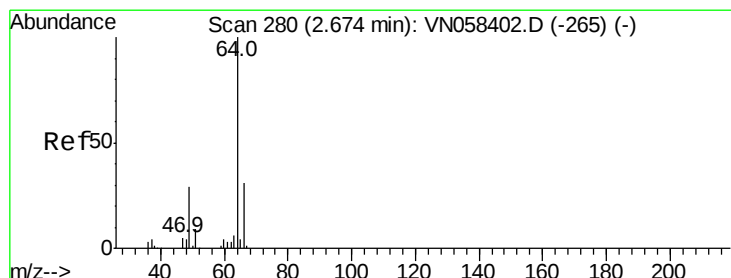
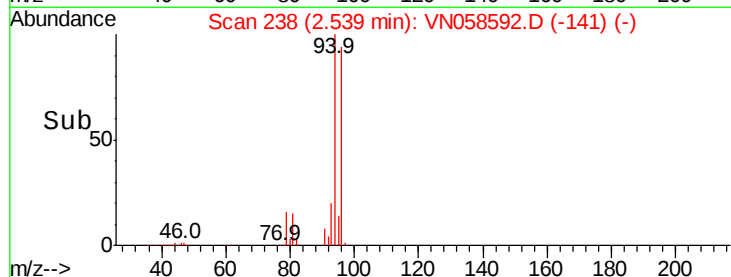
0

Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 54.288 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058592.D

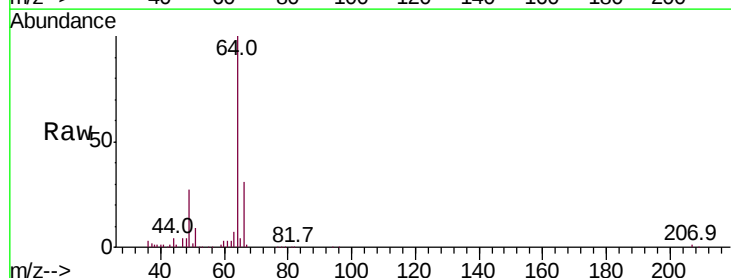
Acq: 8 Oct 2019 00:52

Tgt Ion: 64 Resp: 162866

Ion Ratio Lower Upper

64 100

66 31.3 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN058592.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN058592.D (-187) (-)

2.68

80000

60000

40000

20000

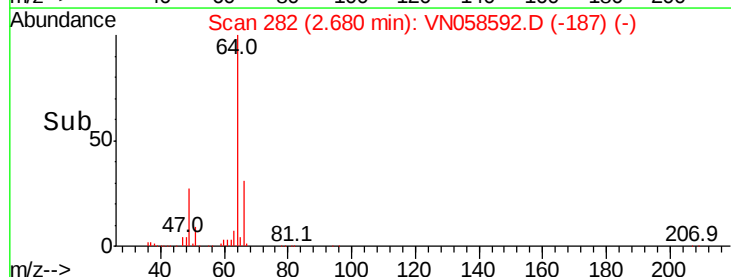
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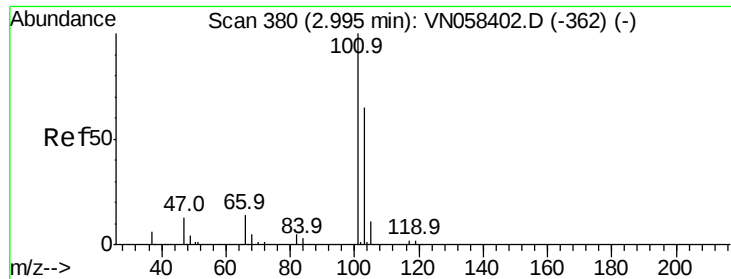
Time-->

2.60

2.70

2.80



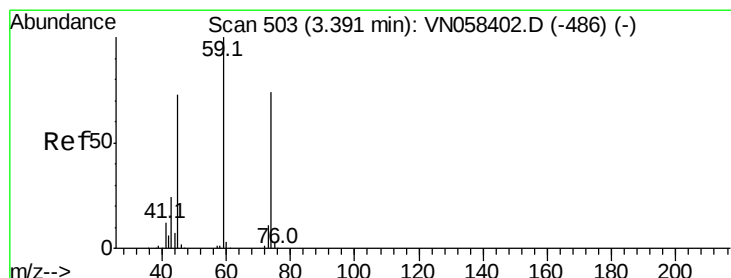
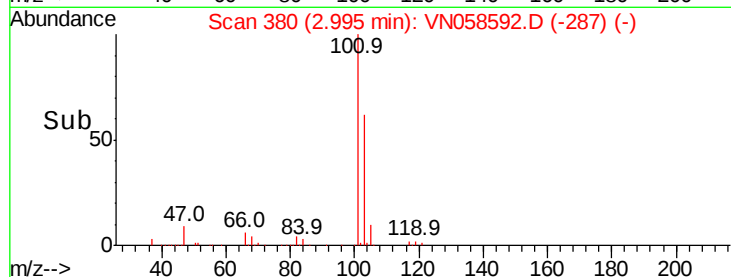
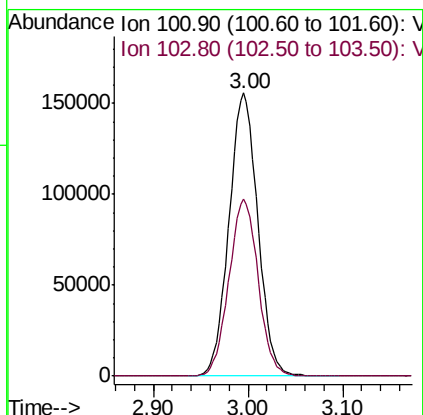
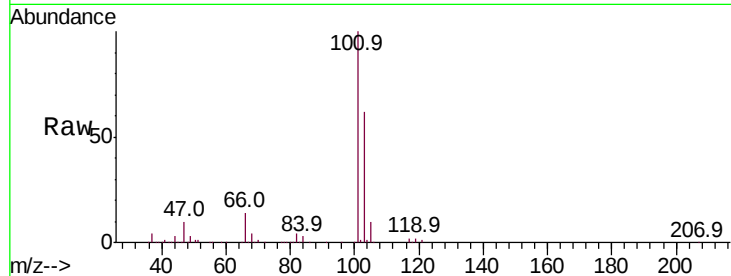


#7

Trichlorofluoromethane
Concen: 54.539 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :

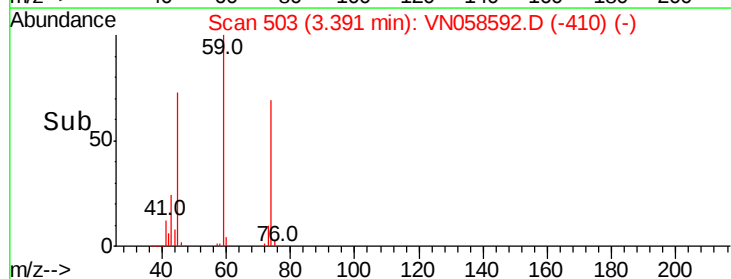
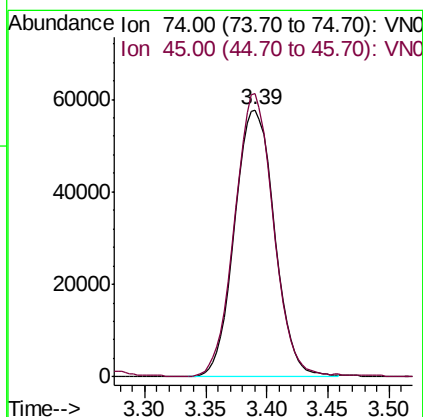
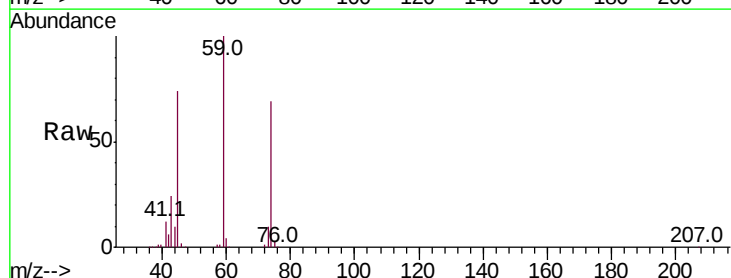
Tot Ion:101 Resp: 329533
Ion Ratio Lower Upper
101 100
103 62.4 52.3 78.5

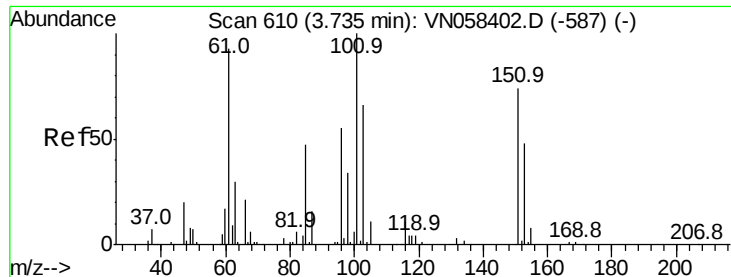


#8

Diethyl Ether
Concen: 50.184 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 74 Resp: 130829
Ion Ratio Lower Upper
74 100
45 103.0 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.262 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

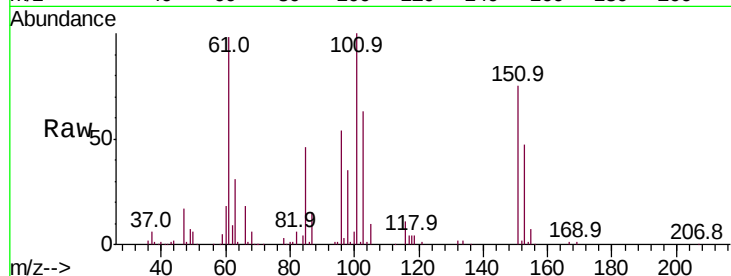
Tot Ion:101 Resp: 181629

Ion Ratio Lower Upper

101 100

85 46.1 36.7 55.1

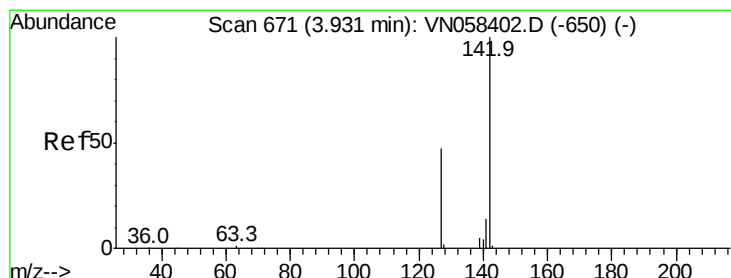
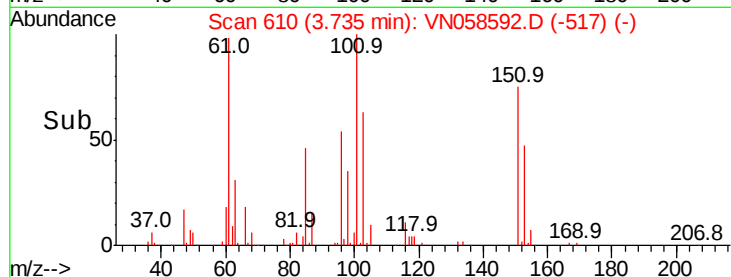
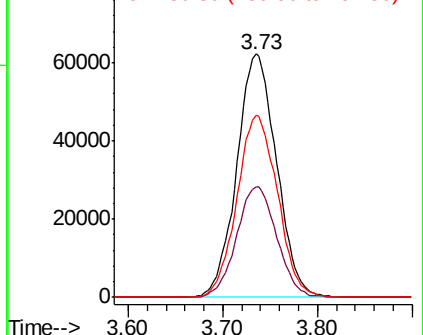
151 76.3 59.4 89.0



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: 43.617 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

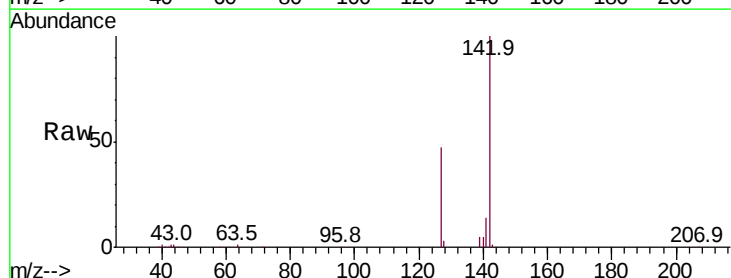
Tgt Ion:142 Resp: 198459

Ion Ratio Lower Upper

142 100

127 46.3 37.2 55.8

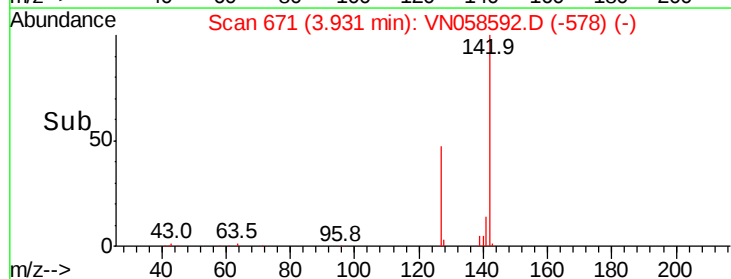
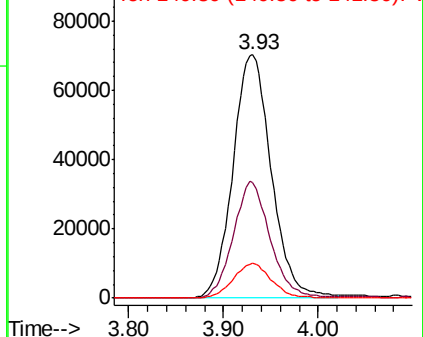
141 14.2 11.3 16.9

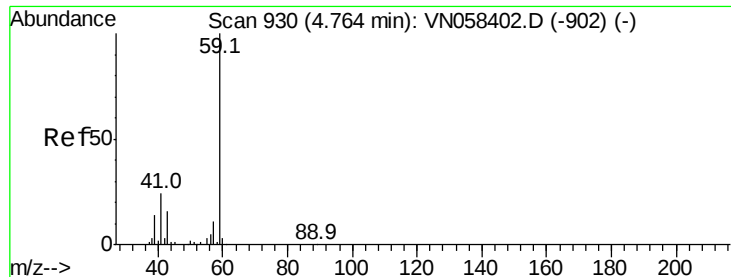


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 300.042 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

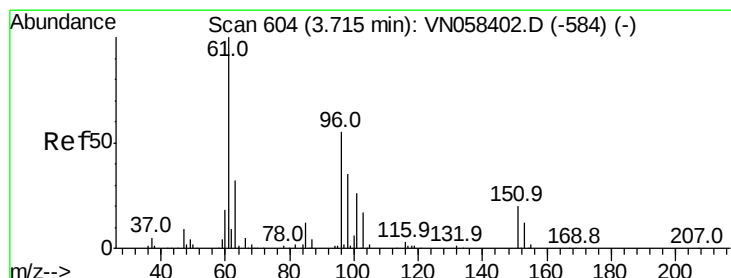
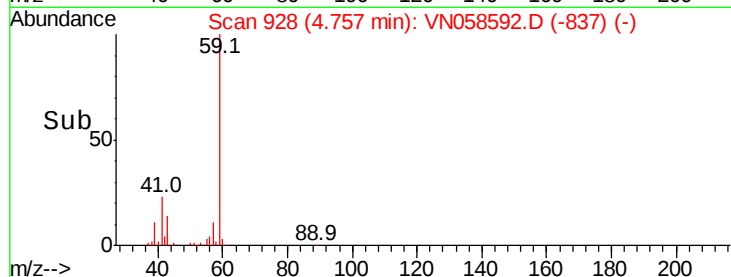
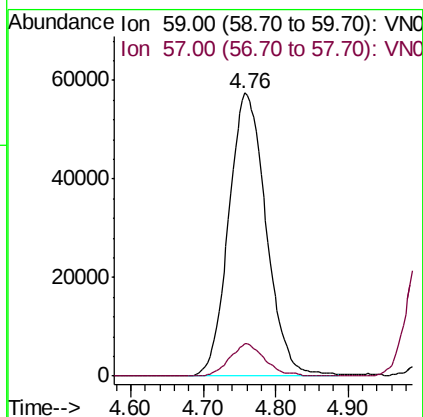
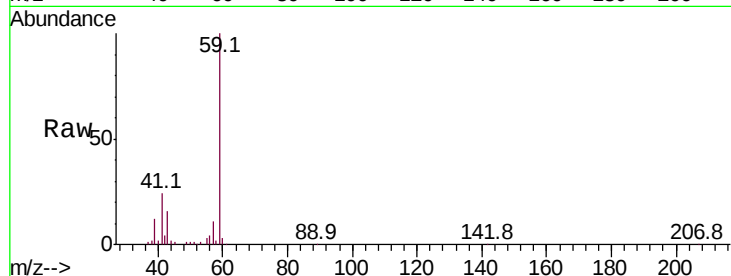
ClientSampled :

Tot Ion: 59 Resp: 206527

Ion Ratio Lower Upper

59 100

57 10.8 9.0 13.4



#12

1,1-Dichloroethene

Concen: 46.865 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

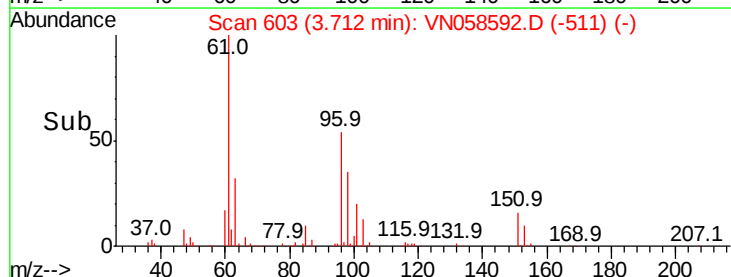
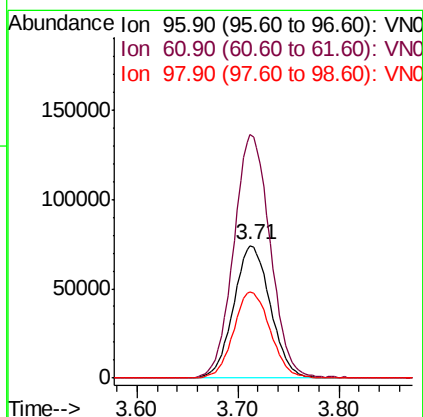
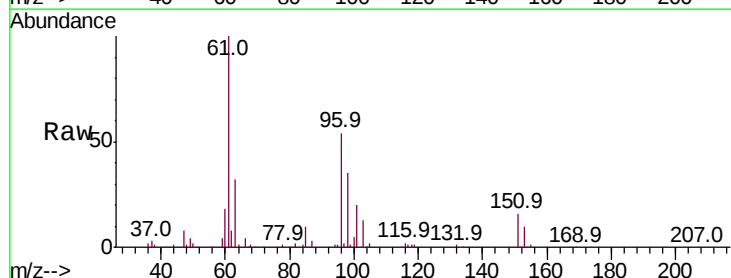
Tgt Ion: 96 Resp: 187448

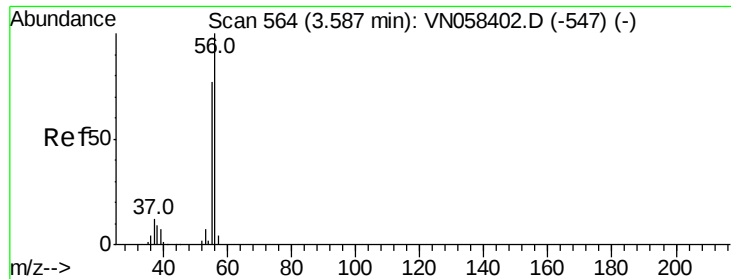
Ion Ratio Lower Upper

96 100

61 183.6 146.7 220.1

98 64.9 51.3 76.9





#13

Acrolein

Concen: 302.578 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

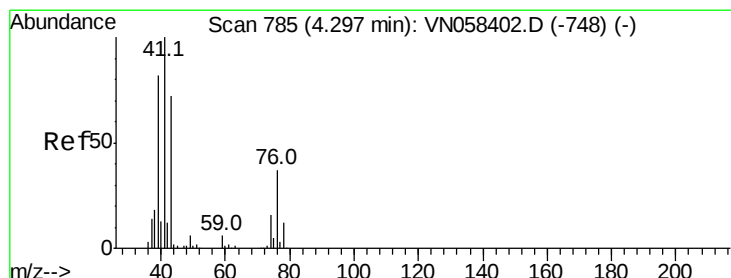
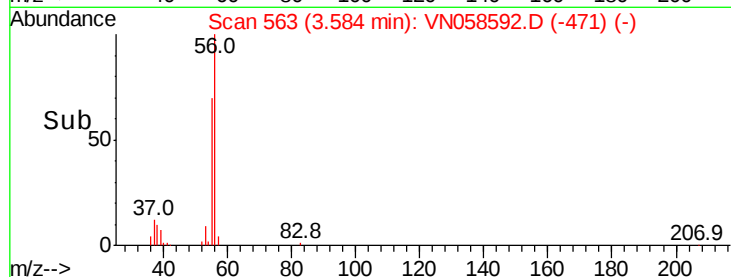
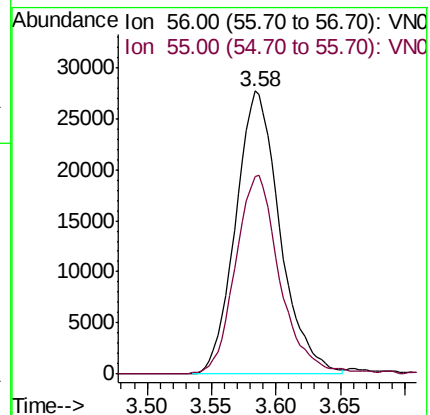
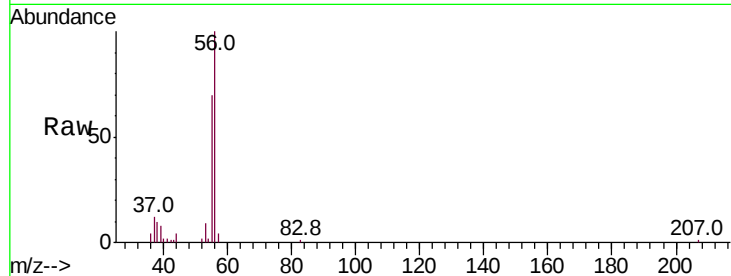
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 66243

Ion Ratio Lower Upper

56 100

55 70.4 58.3 87.5



#14

Allyl chloride

Concen: 50.579 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

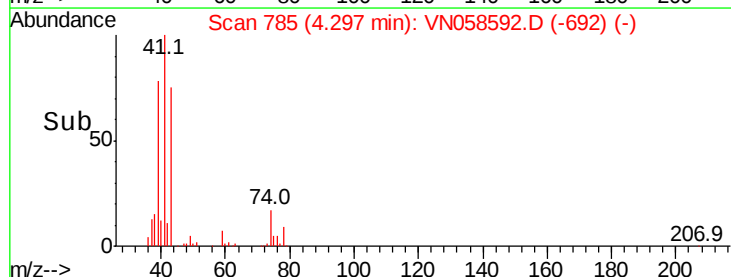
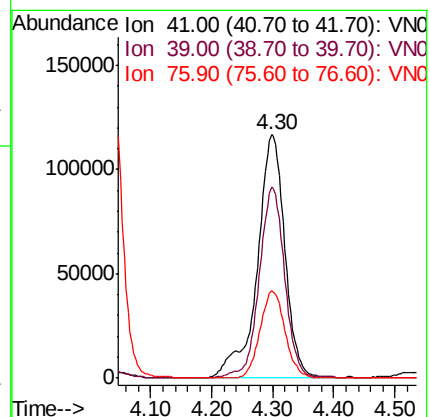
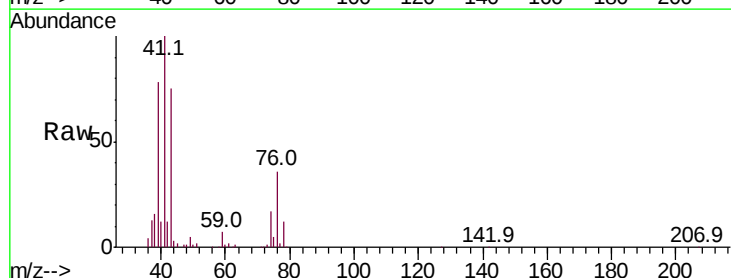
Tgt Ion: 41 Resp: 368162

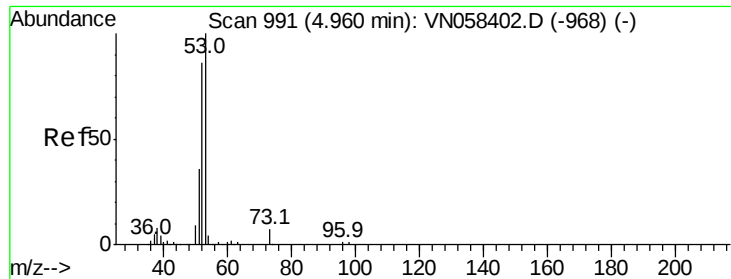
Ion Ratio Lower Upper

41 100

39 72.2 62.3 93.5

76 32.4 26.9 40.3





#15

Acrylonitrile

Concen: 276.665 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

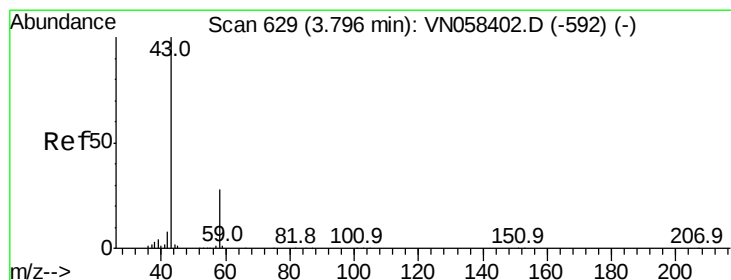
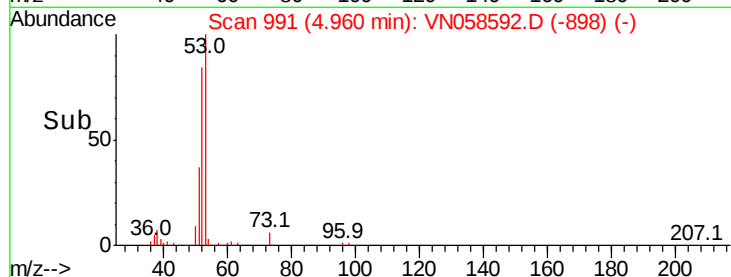
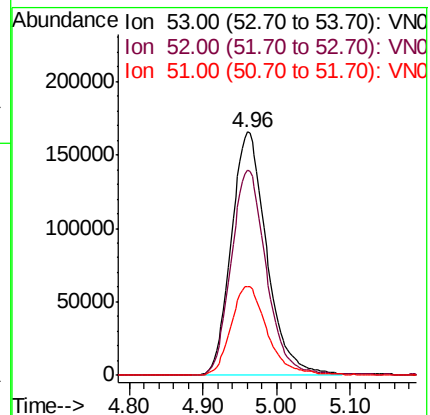
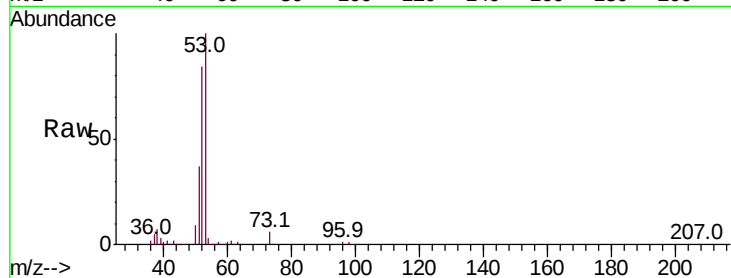
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 555013

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.4	29.8	44.8



#16

Acetone

Concen: 232.519 ug/l

RT: 3.79 min Scan# 628

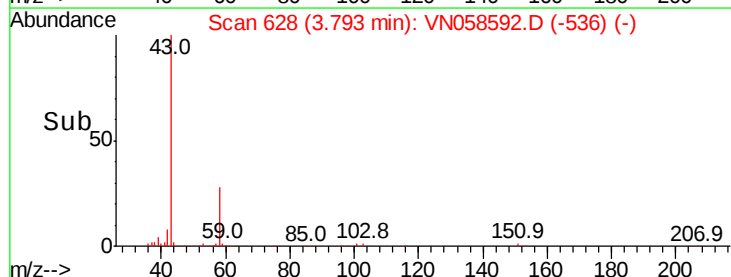
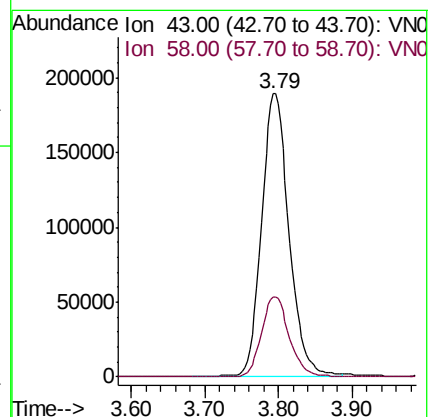
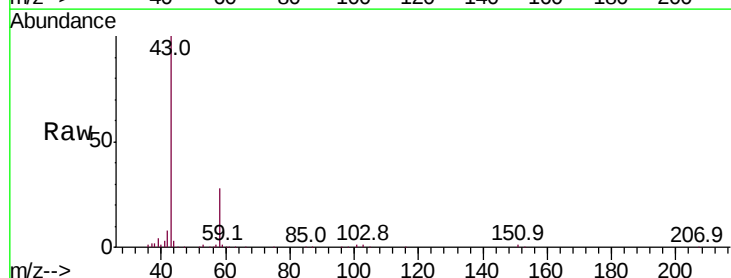
Delta R.T. -0.00 min

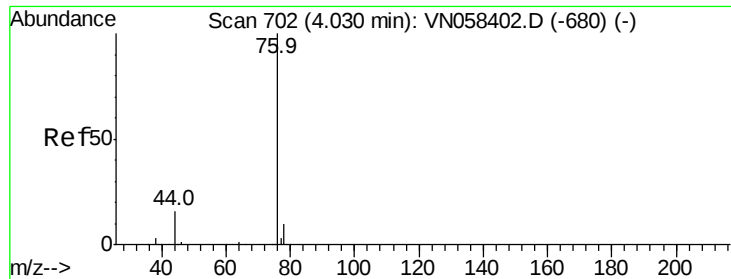
Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion: 43 Resp: 491117

Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.4	33.6

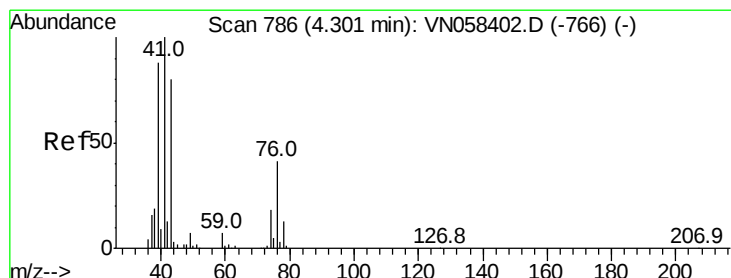
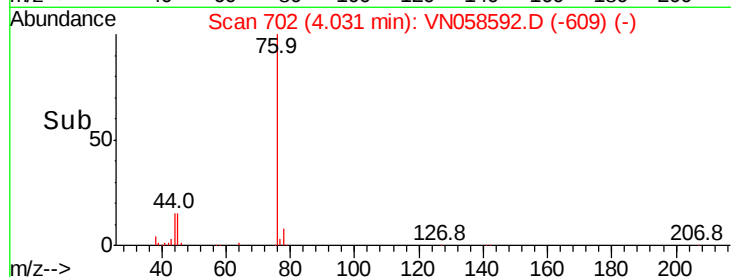
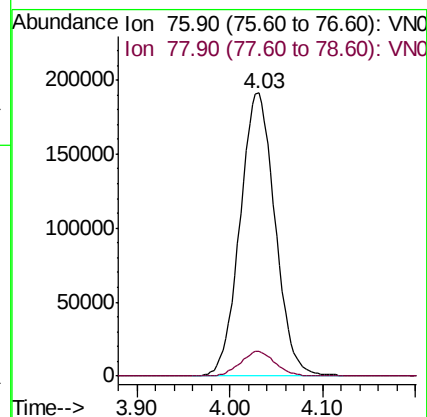
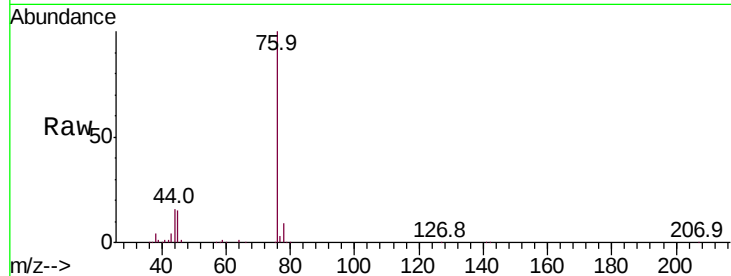




#17
Carbon Disulfide
Concen: 47.619 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

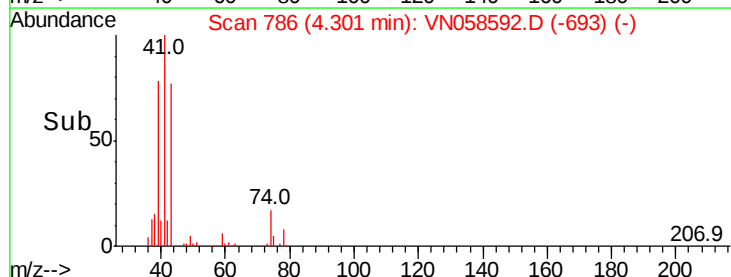
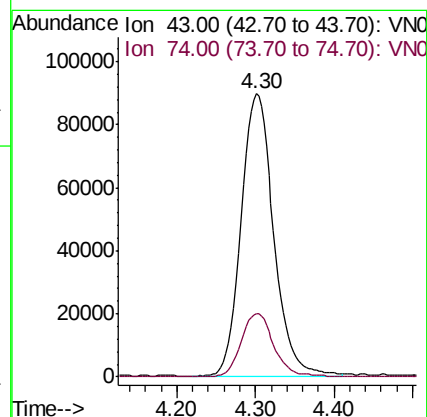
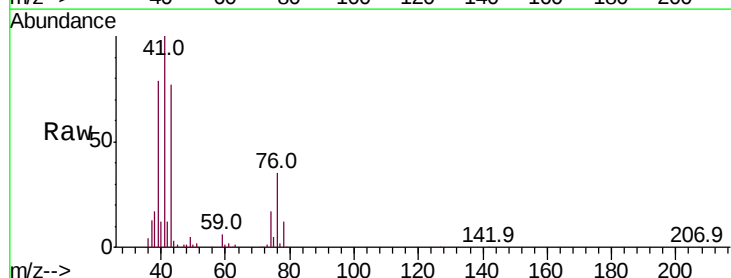
Instrument :
MSVOA_N
ClientSampled :

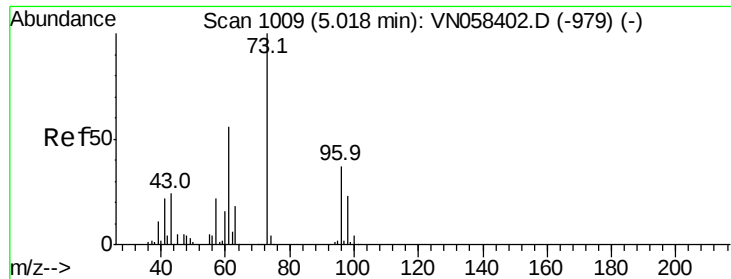
Tot Ion: 76 Resp: 502063
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5



#18
Methyl Acetate
Concen: 48.833 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 43 Resp: 259419
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0

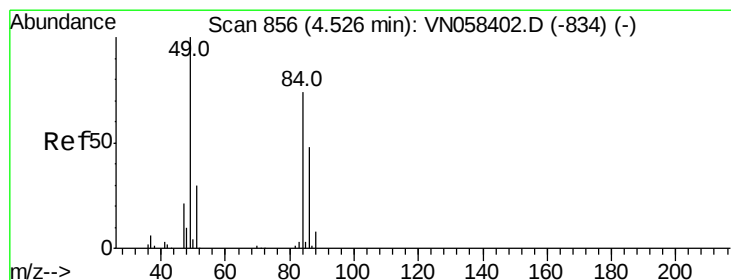
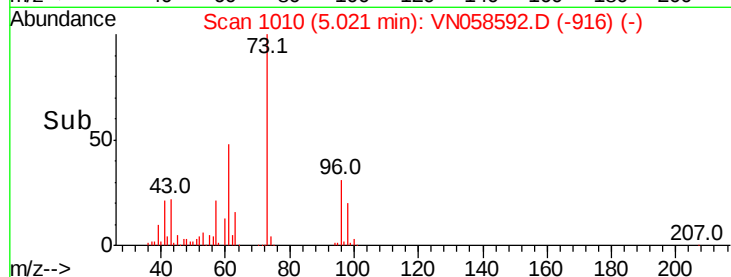
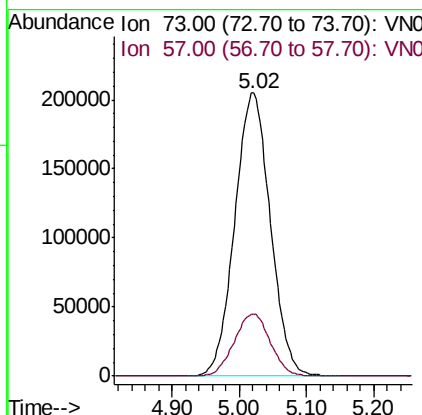
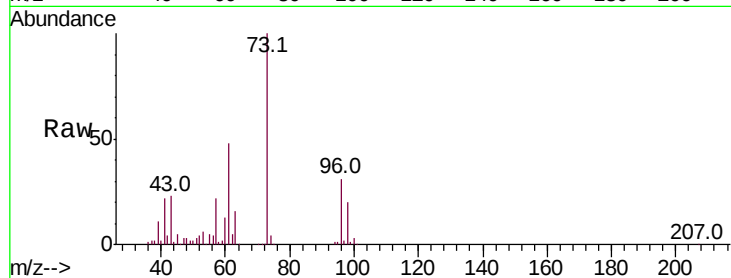




#19
Methvl tert-butvl Ether
Concen: 53.300 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

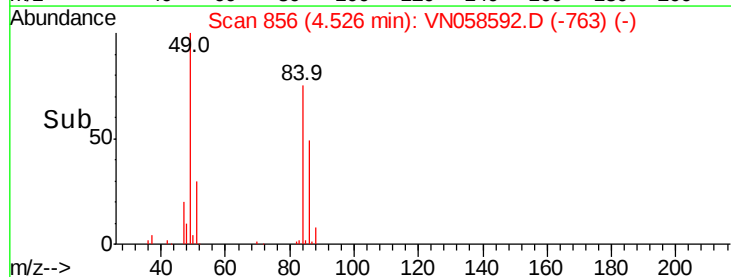
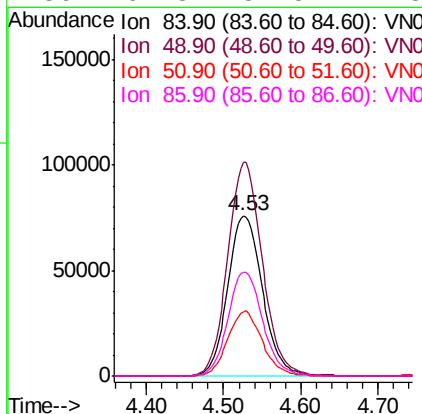
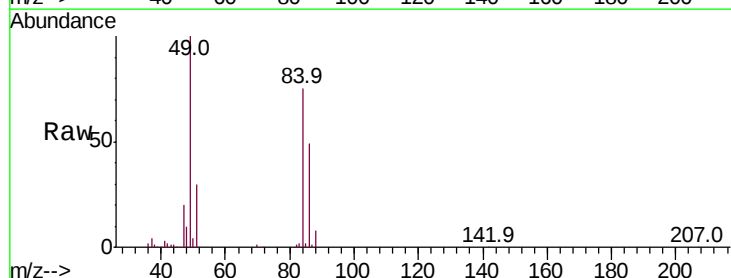
Instrument :
MSVOA_N
ClientSampleId :

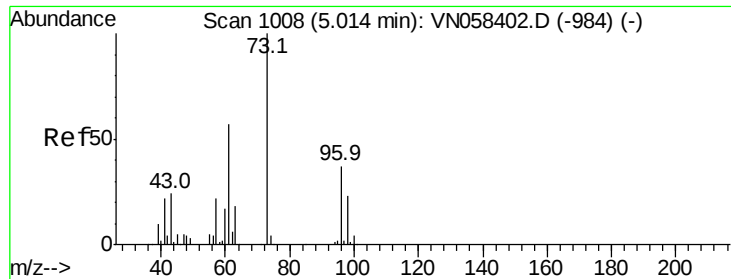
Tot Ion: 73 Resp: 752205
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4



#20
Methylene Chloride
Concen: 48.649 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 84 Resp: 237128
Ion Ratio Lower Upper
84 100
49 133.3 107.9 161.9
51 40.4 32.8 49.2
86 64.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 47.607 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

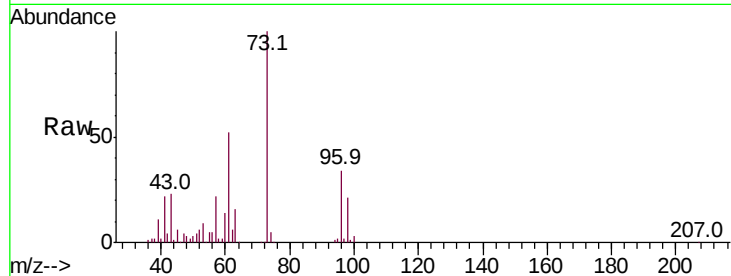
Tot Ion: 96 Resp: 211748

Ion Ratio Lower Upper

96 100

61 152.4 121.9 182.9

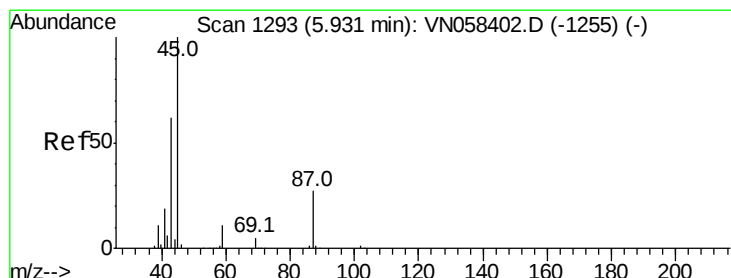
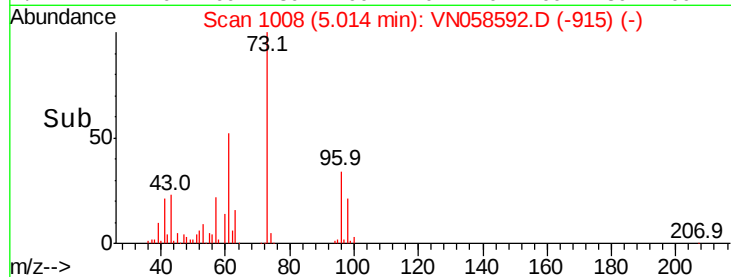
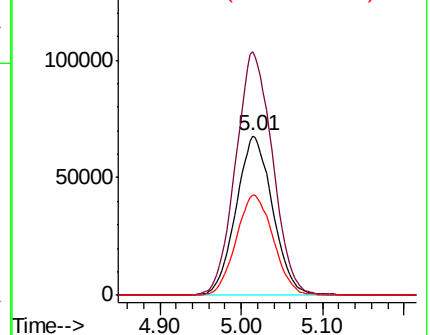
98 62.9 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN058592.D (-1200) (-)

Ion 60.90 (60.60 to 61.60): VN058592.D (-1200) (-)

Ion 97.90 (97.60 to 98.60): VN058592.D (-1200) (-)



#22

Diisopropyl ether

Concen: 51.820 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion: 45 Resp: 811692

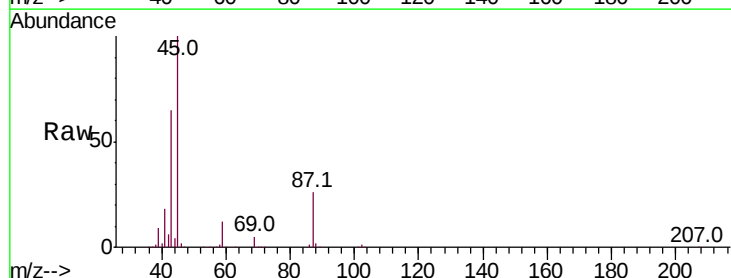
Ion Ratio Lower Upper

45 100

43 64.1 49.7 74.5

87 26.4 21.5 32.3

59 11.7 8.9 13.3

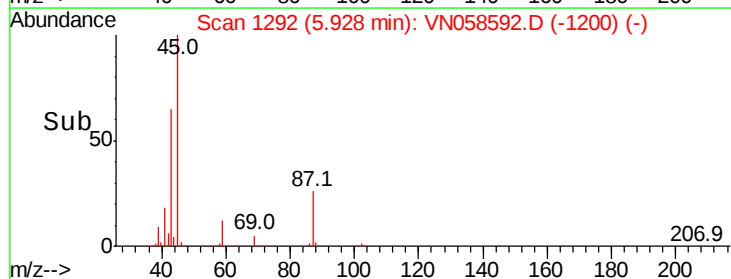
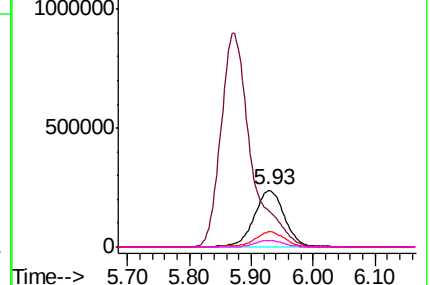


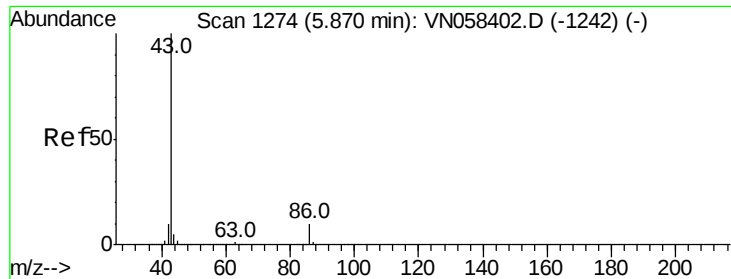
Abundance Ion 45.00 (44.70 to 45.70): VN058592.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058592.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058592.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058592.D (-1200) (-)

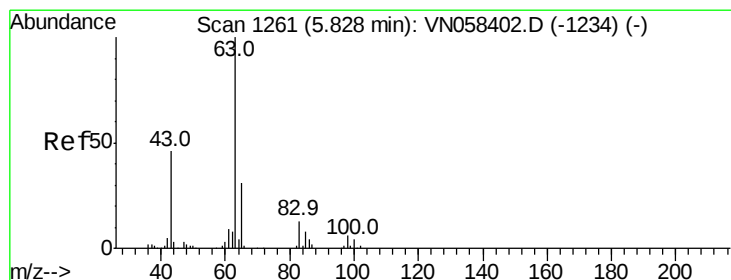
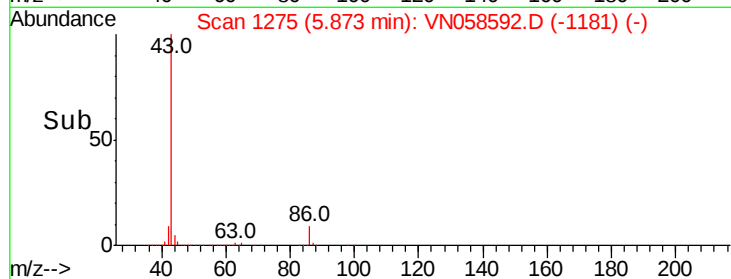
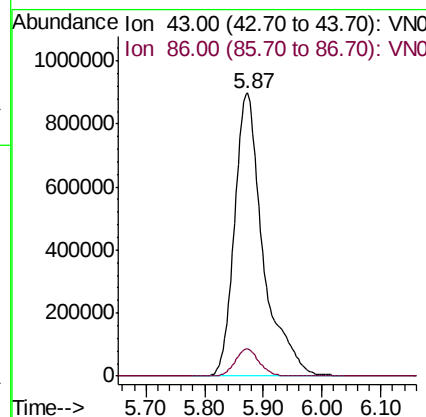
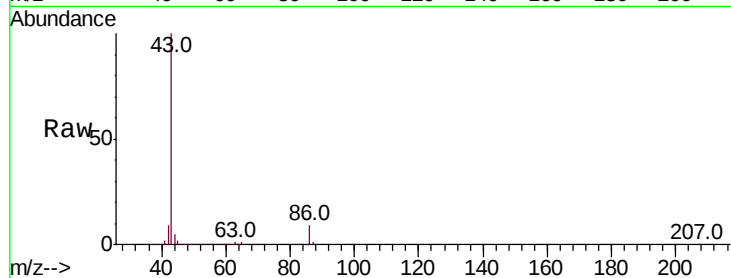




#23
 Vinyl Acetate
 Concen: 257.488 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

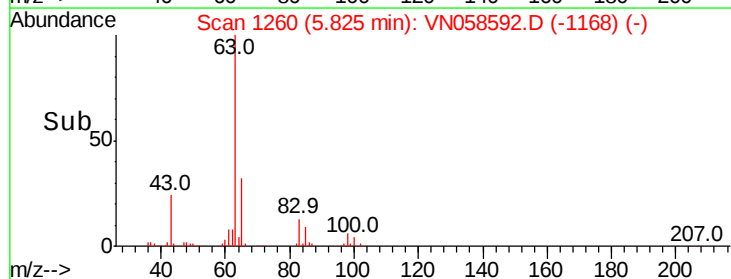
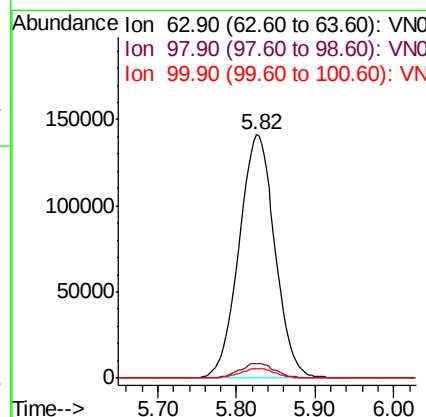
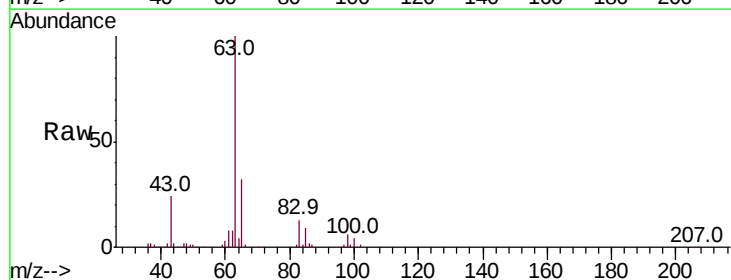
Instrument :
 MSVOA_N
 ClientSampled :

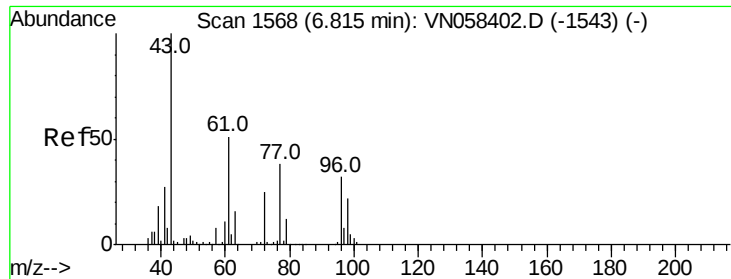
Tot Ion: 43 Resp: 3041091
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 51.183 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion: 63 Resp: 451198
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 254.648 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

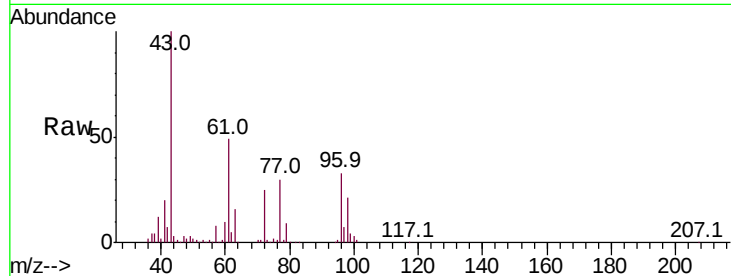
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 738460

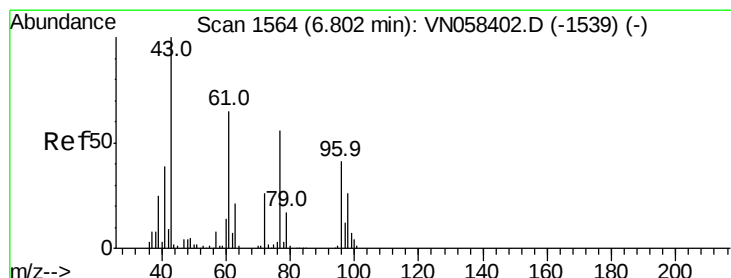
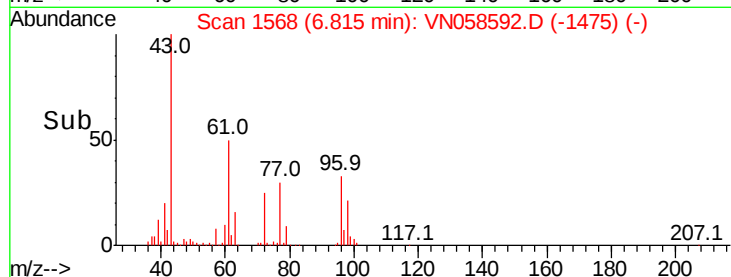
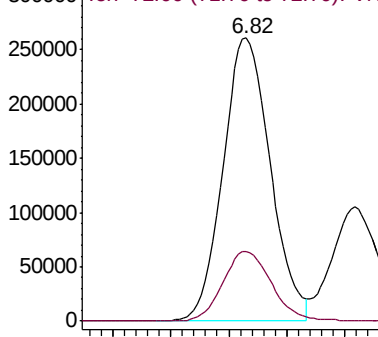
Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 39.412 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058592.D

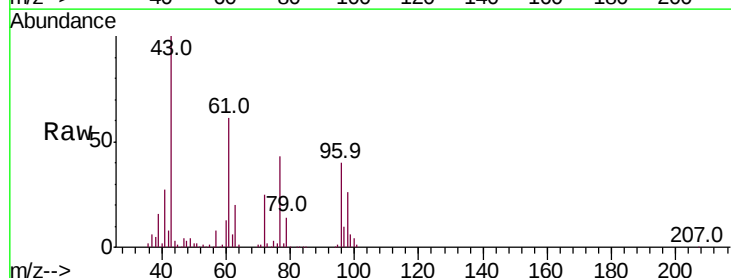
Acq: 8 Oct 2019 00:52

Tgt Ion: 77 Resp: 285627

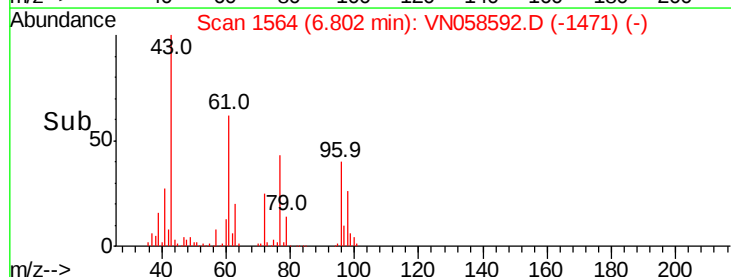
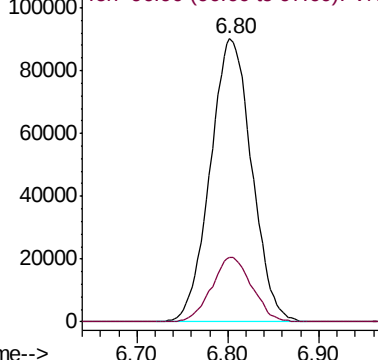
Ion Ratio Lower Upper

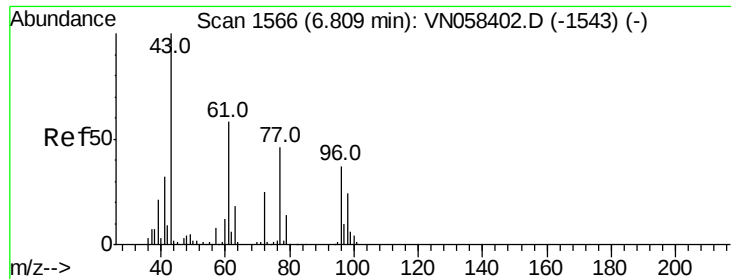
77 100

97 22.3 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0

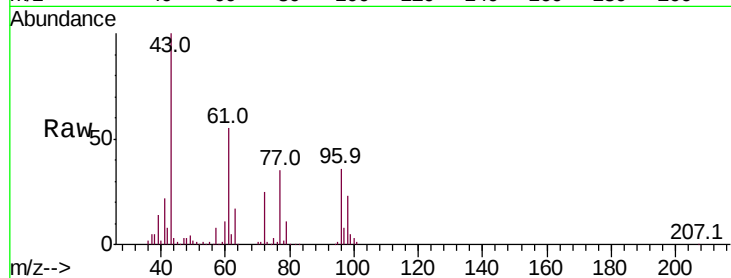




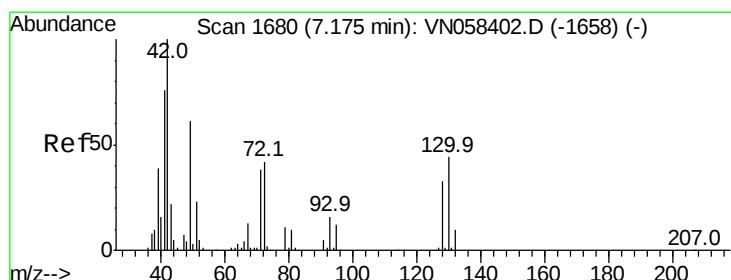
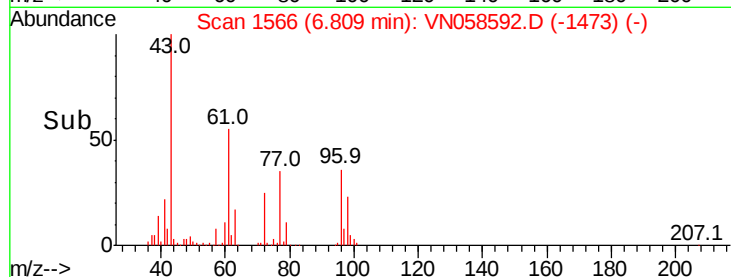
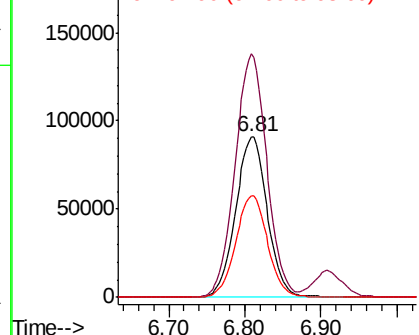
#27
 cis-1,2-Dichloroethene
 Concen: 50.566 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	318.8
98	63.7	0.0	129.8

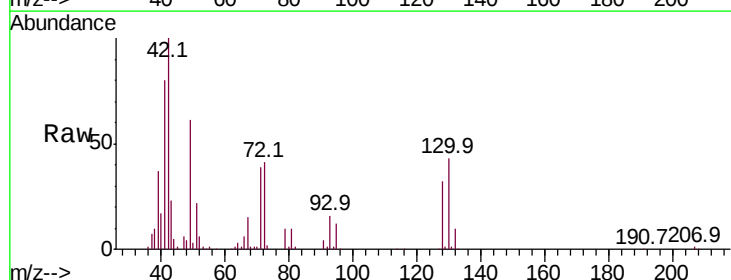


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

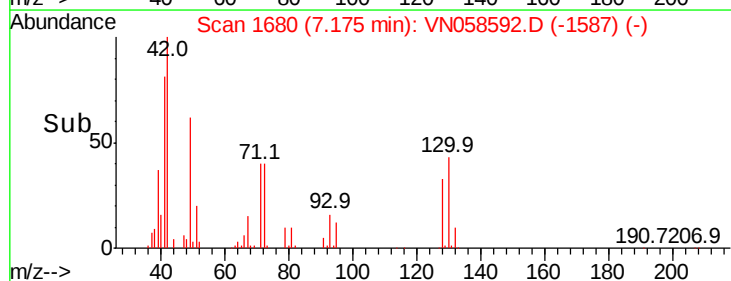
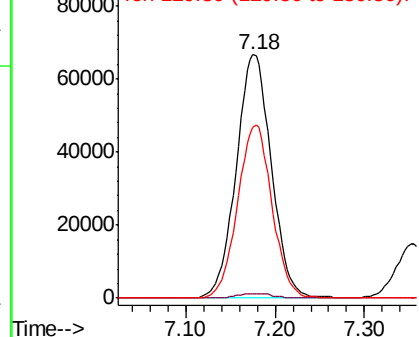


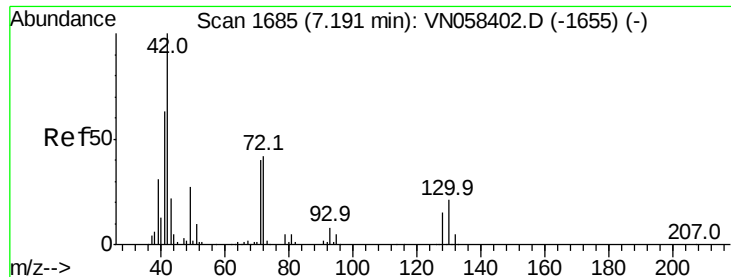
#28
 Bromochloromethane
 Concen: 51.616 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.5	56.3	84.5



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

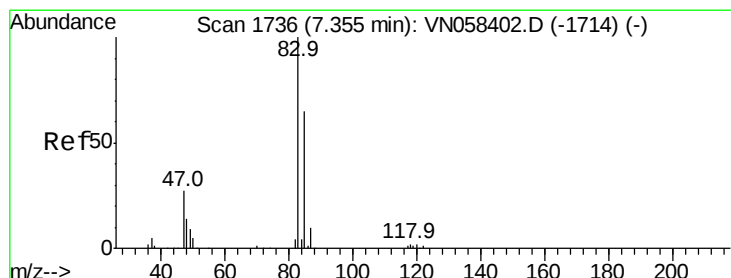
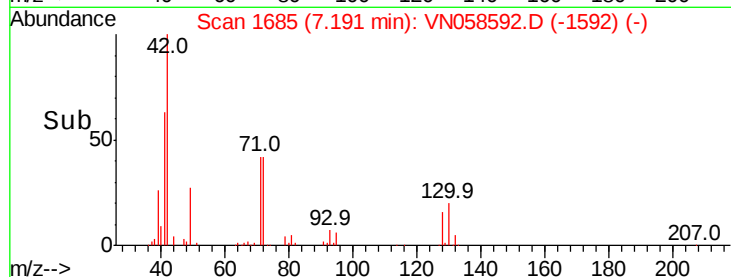
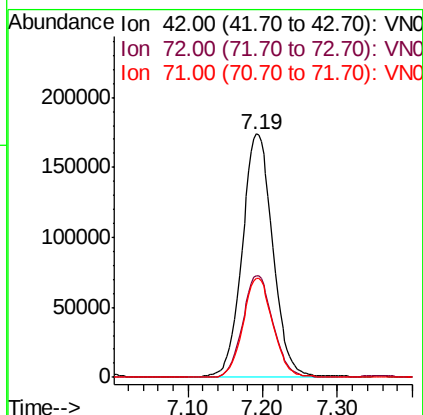
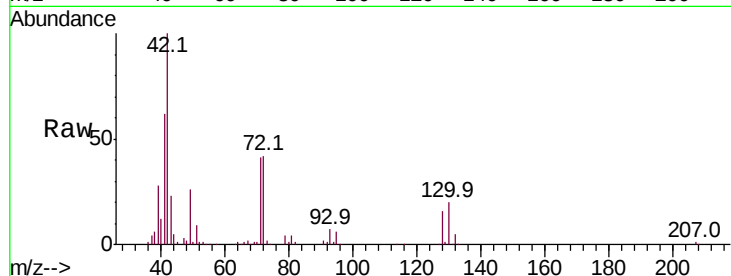




#29
Tetrahydrofuran
Concen: 267.805 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

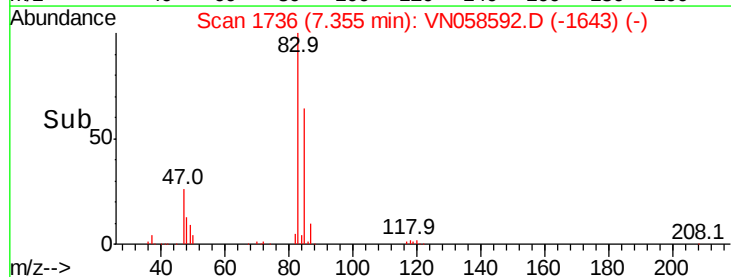
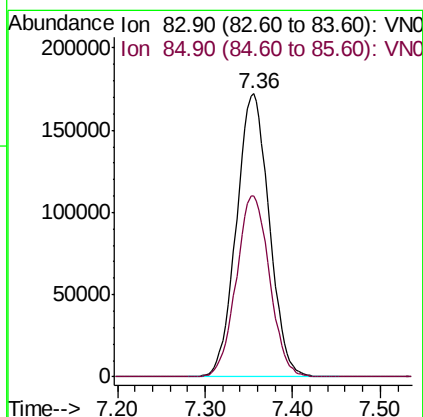
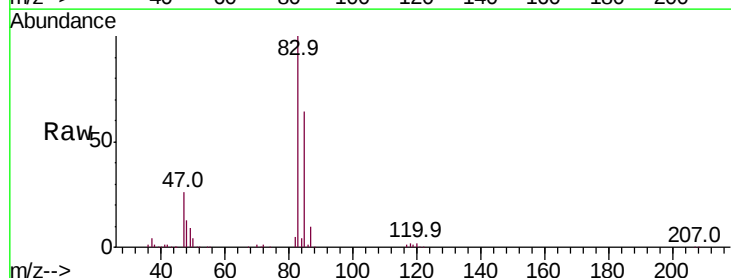
Instrument :
MSVOA_N
ClientSampled :

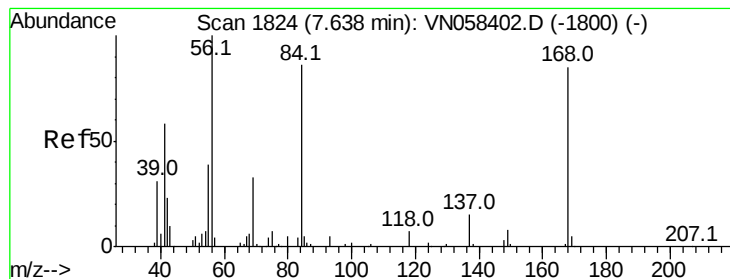
Tot Ion: 42 Resp: 492910
Ion Ratio Lower Upper
42 100
72 41.4 33.7 50.5
71 39.9 31.8 47.6



#30
Chloroform
Concen: 50.290 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 83 Resp: 449240
Ion Ratio Lower Upper
83 100
85 64.1 52.0 78.0





#31

Cyclohexane

Concen: 42.527 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampled :

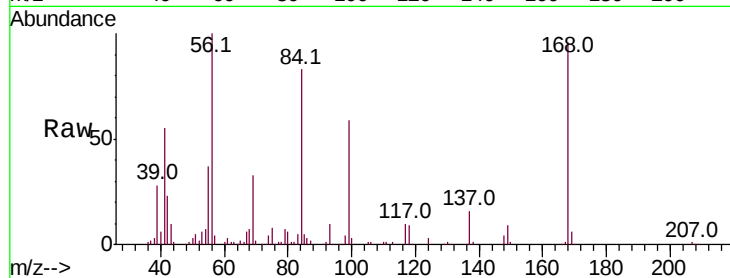
Tot Ion: 56 Resp: 364667

Ion Ratio Lower Upper

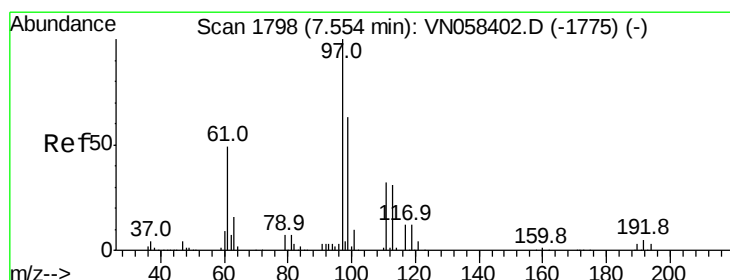
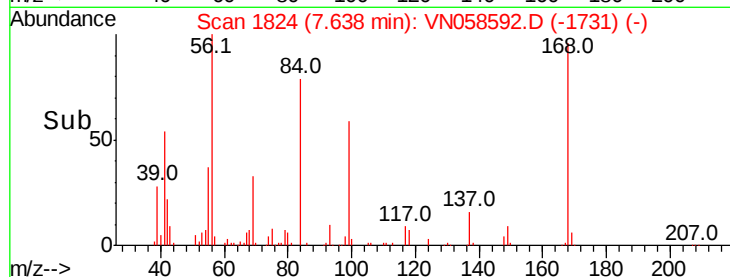
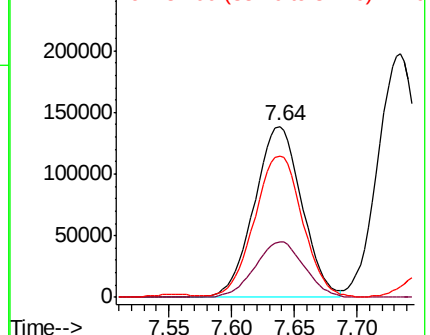
56 100

69 32.9 26.2 39.4

84 81.8 67.6 101.4



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



#32

1,1,1-Trichloroethane

Concen: 53.121 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

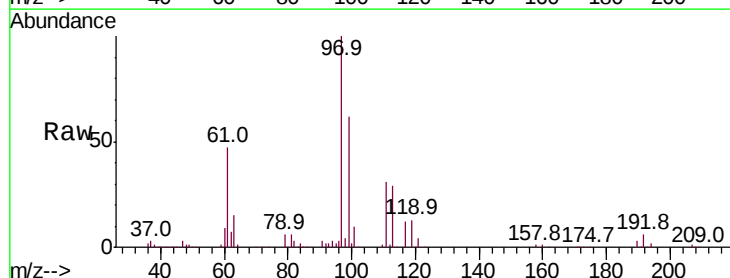
Tgt Ion: 97 Resp: 389674

Ion Ratio Lower Upper

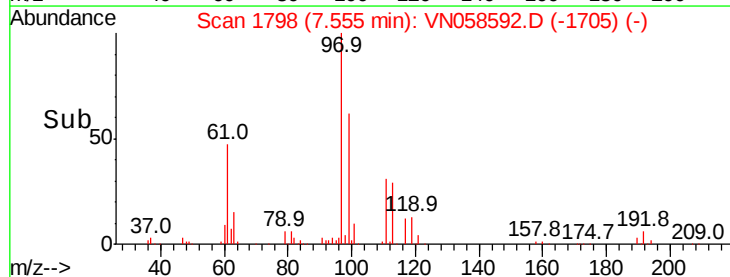
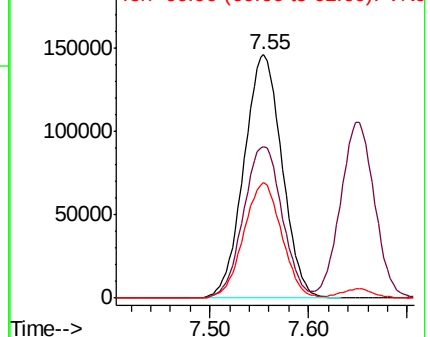
97 100

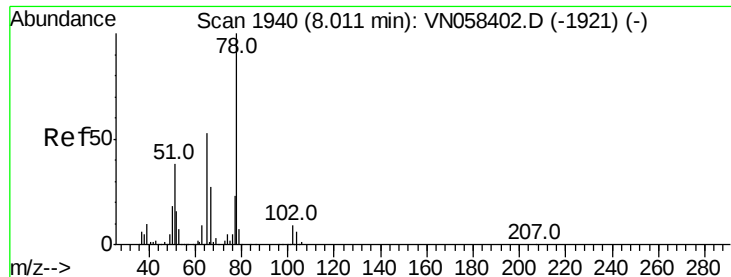
99 63.4 51.1 76.7

61 47.3 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.612 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

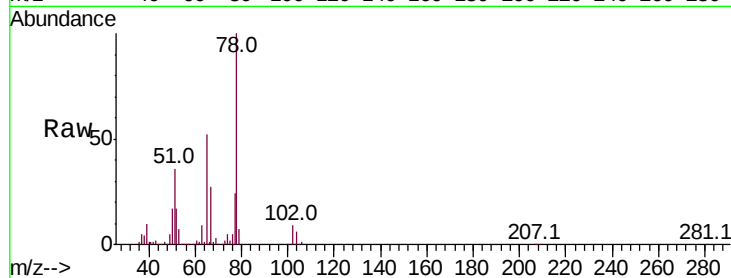
ClientSampled :

Tot Ion: 65 Resp: 301203

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

150000

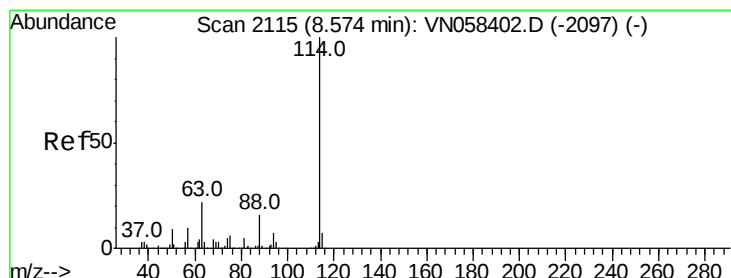
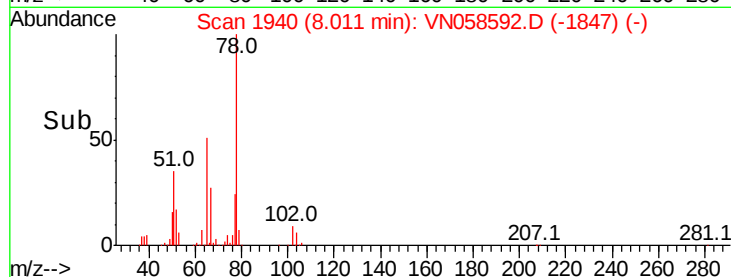
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

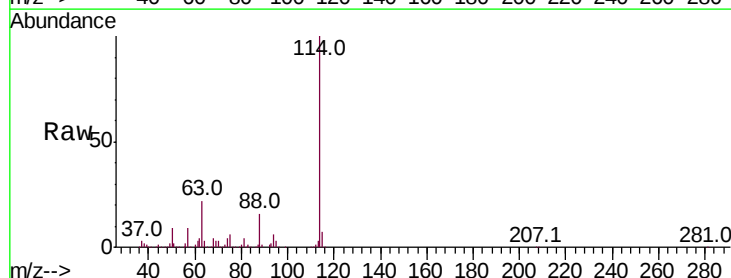
Tgt Ion: 114 Resp: 718522

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 16.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

400000

300000

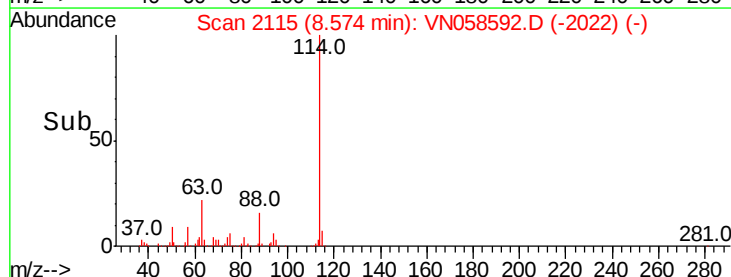
200000

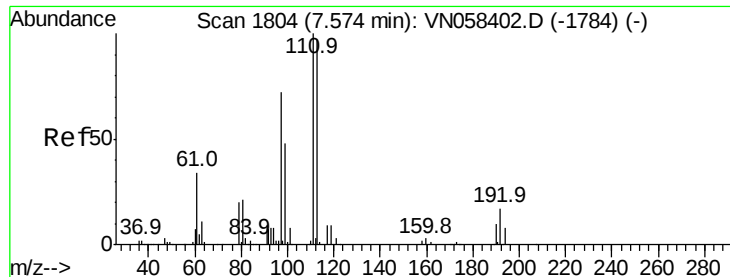
100000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 49.796 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampled :

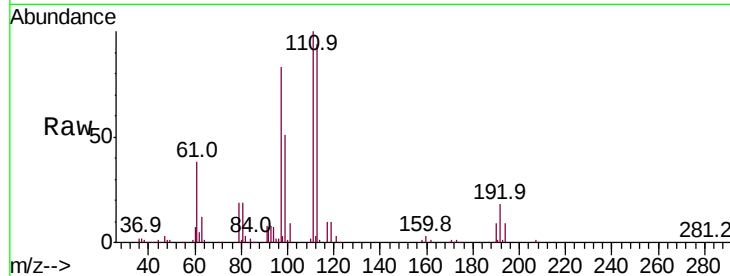
Tot Ion:113 Resp: 219291

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.2

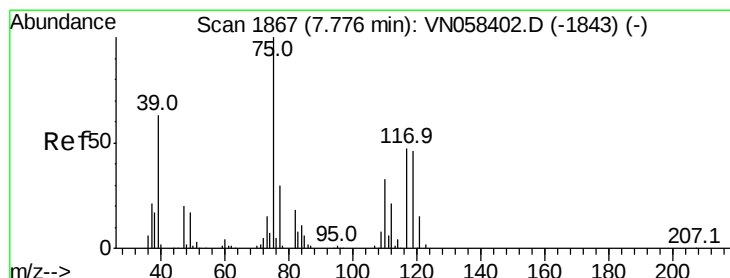
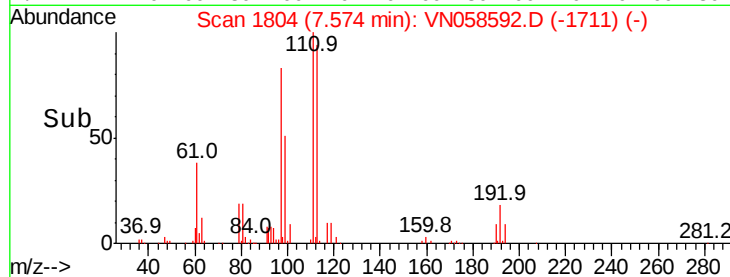
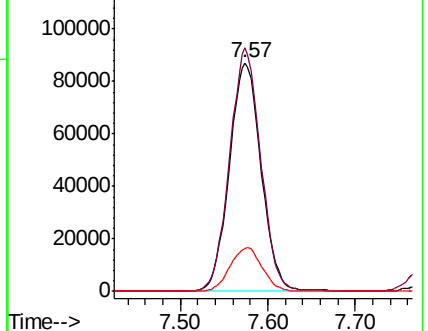
192 19.4 14.9 22.3



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: 47.220 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

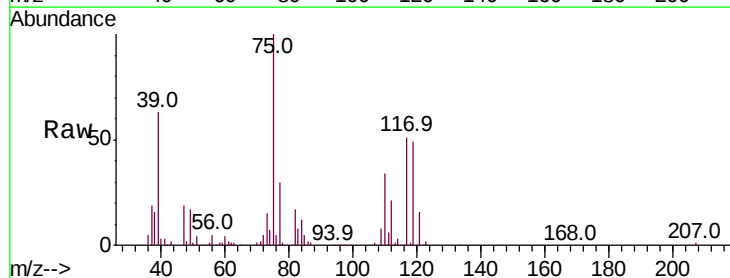
Tgt Ion: 75 Resp: 324426

Ion Ratio Lower Upper

75 100

110 33.0 16.4 49.2

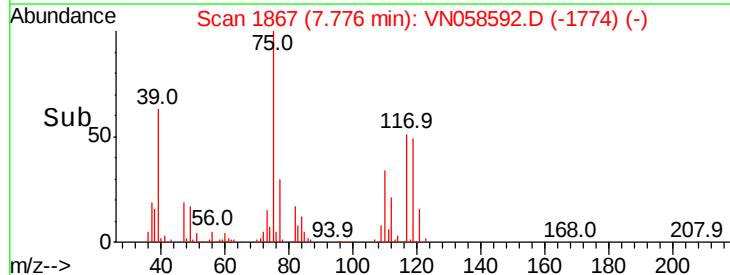
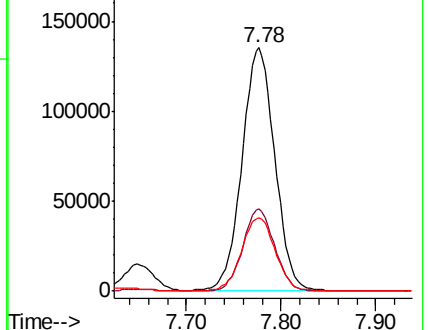
77 31.3 24.3 36.5

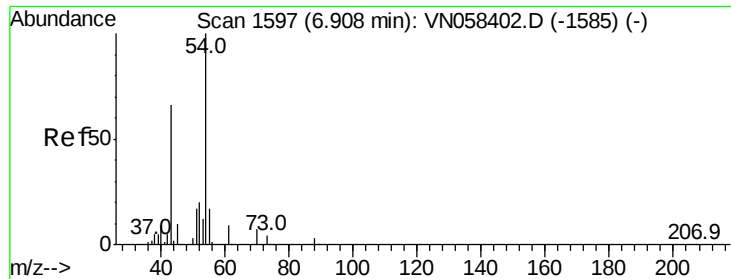


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

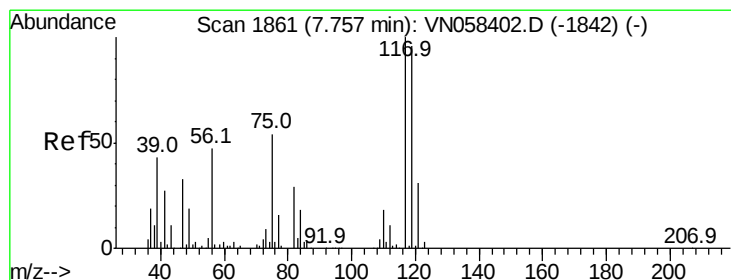
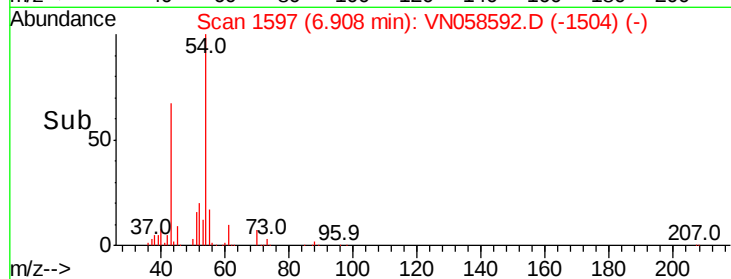
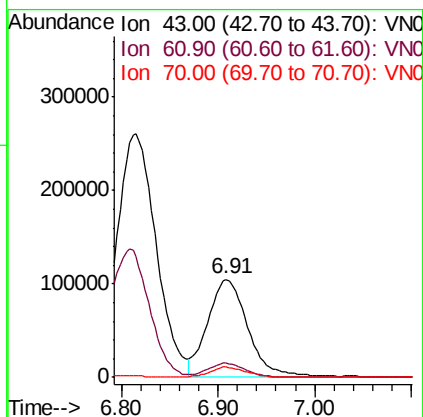
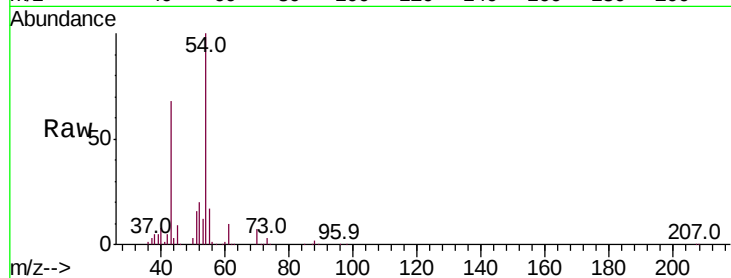




#37
Ethyl Acetate
Concen: 51.114 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

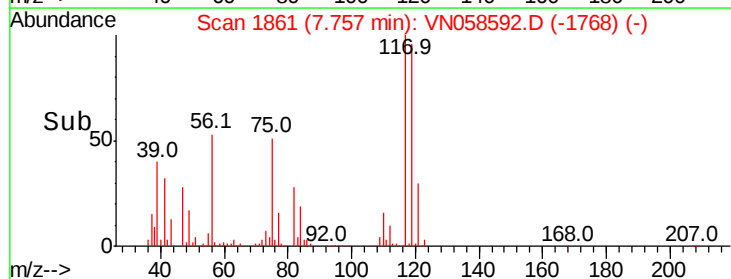
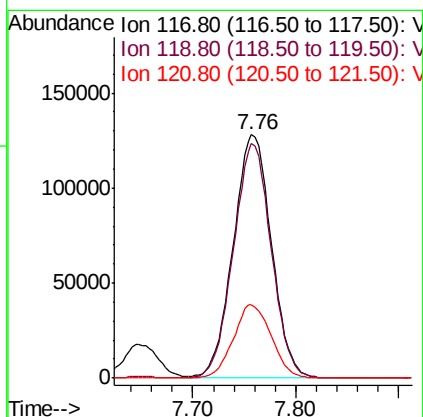
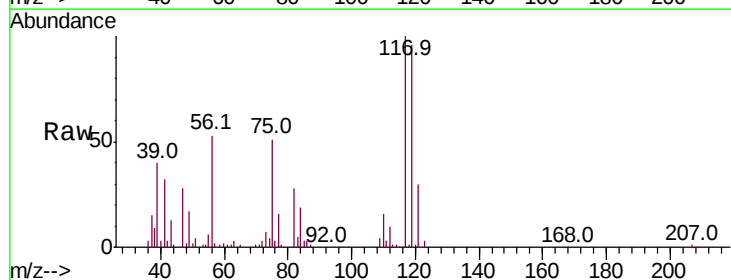
Instrument :
MSVOA_N
ClientSampleId :

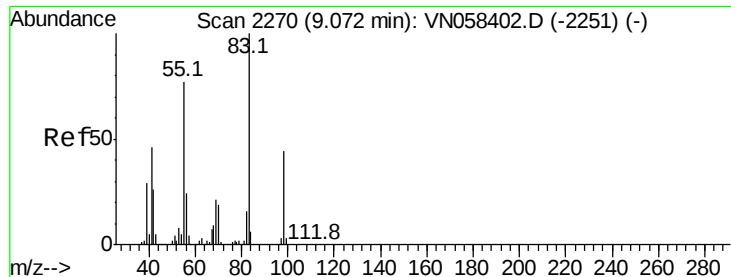
Tot Ion: 43 Resp: 297740
Ion Ratio Lower Upper
43 100
61 13.7 10.5 15.7
70 9.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 53.373 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 117 Resp: 330996
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0
121 30.3 24.7 37.1

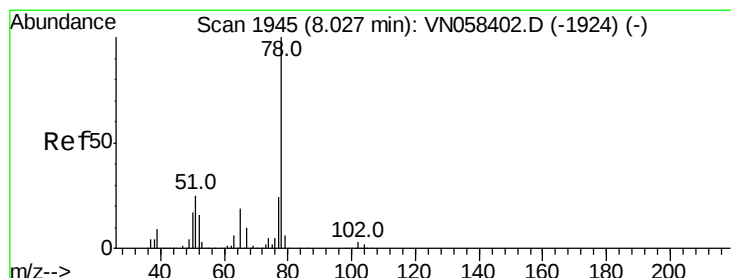
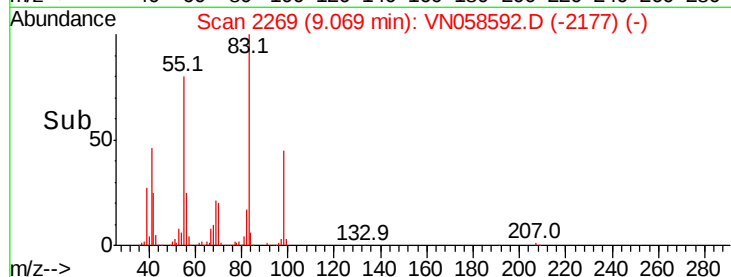
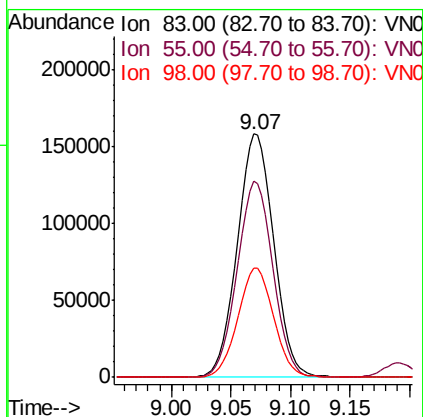
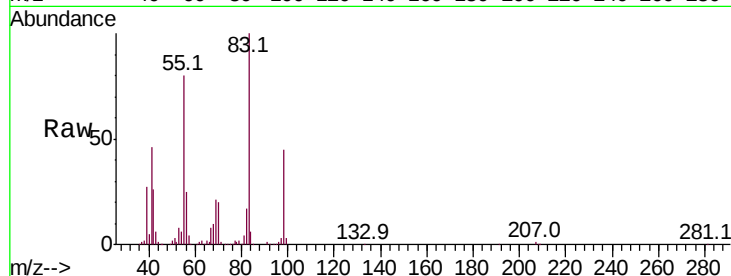




#39
Methvlcvclohexane
Concen: 41.886 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

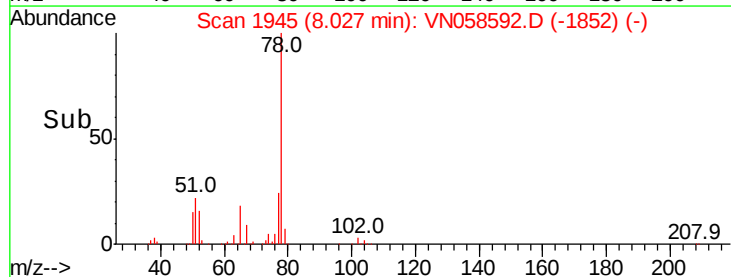
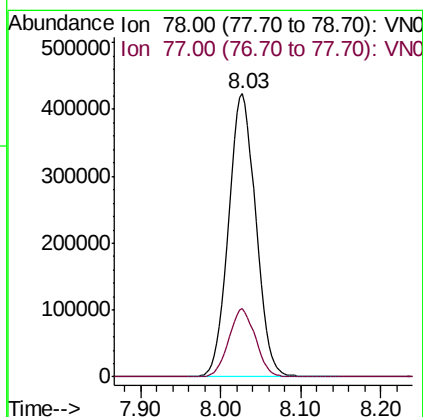
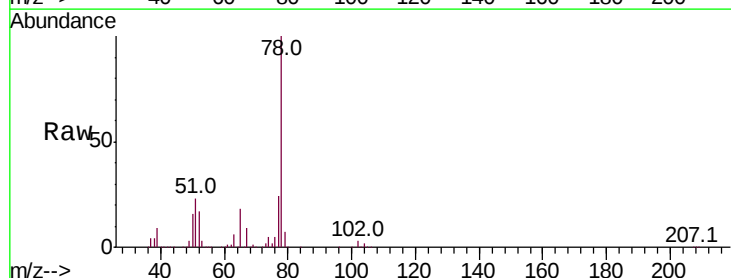
Instrument :
MSVOA_N
ClientSampleId :

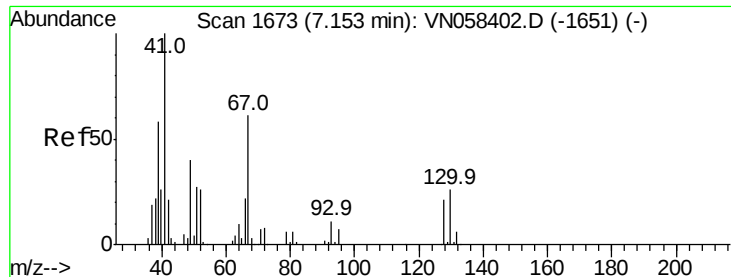
Tot Ion: 83 Resp: 336062
Ion Ratio Lower Upper
83 100
55 80.4 61.8 92.6
98 45.0 35.4 53.0



#40
Benzene
Concen: 49.696 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 78 Resp: 981451
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3

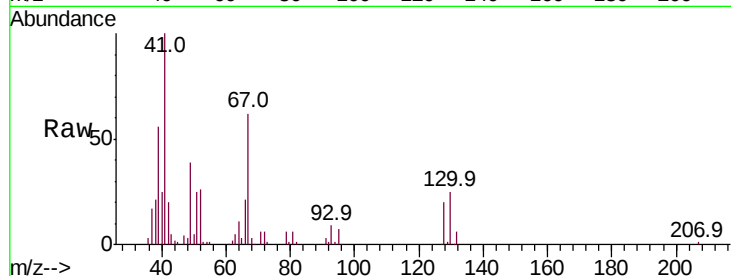




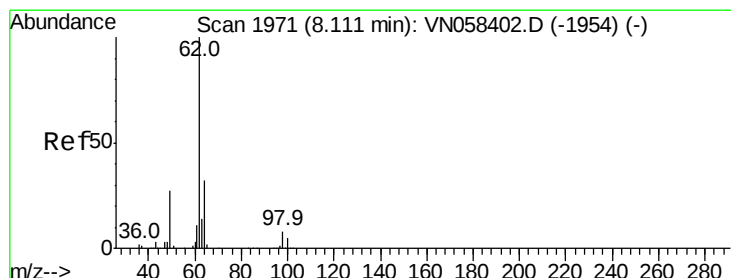
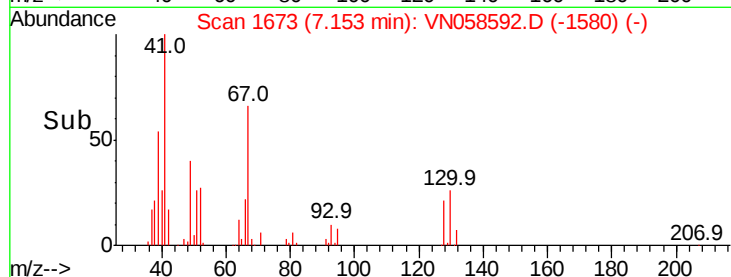
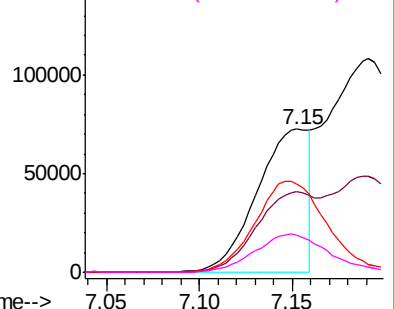
#41
Methacrylonitrile
Concen: 52.501 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 140692
Ion Ratio Lower Upper
41 100
39 61.8 50.2 75.4
67 88.9 70.2 105.4
52 37.1 31.4 47.0

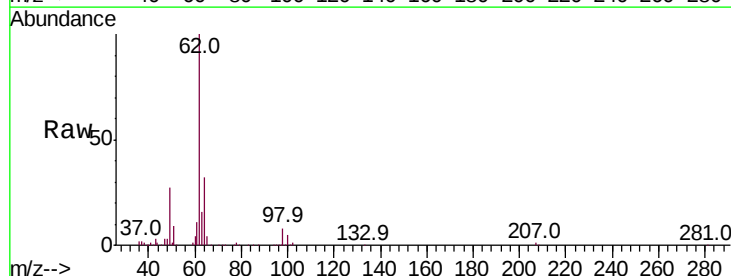


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

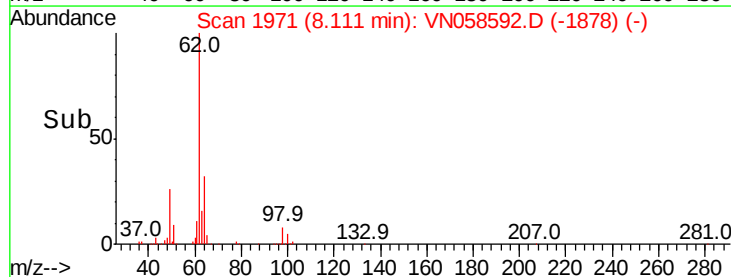
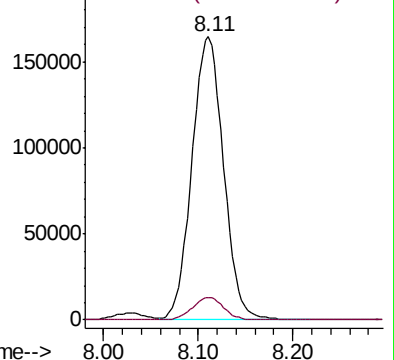


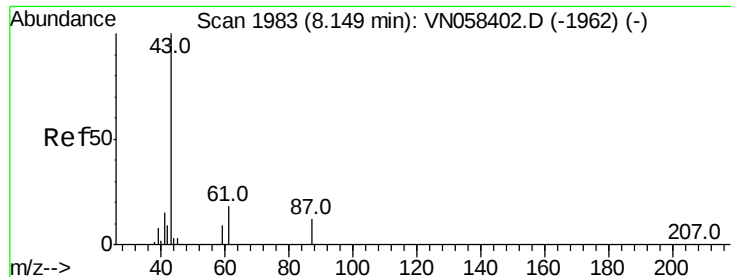
#42
1,2-Dichloroethane
Concen: 49.557 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 62 Resp: 380765
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 48.268 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

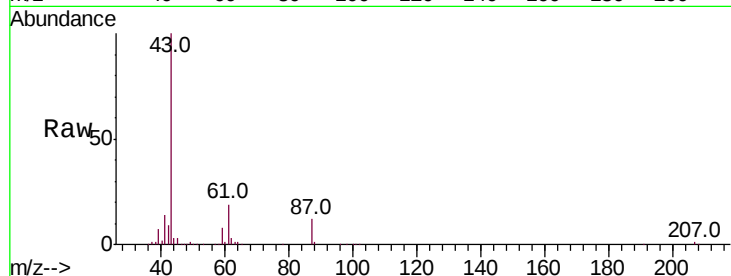
Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

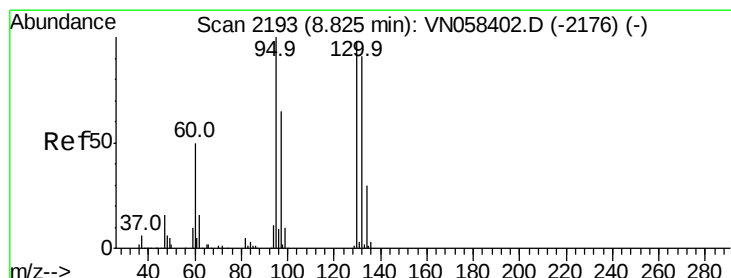
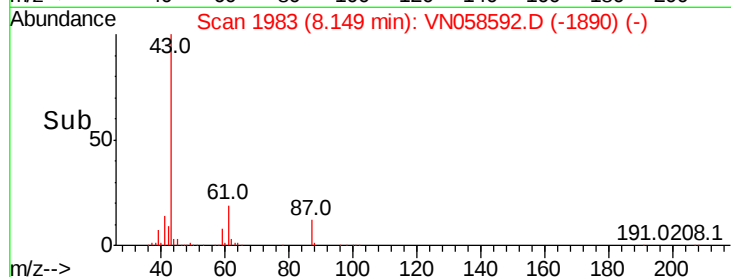
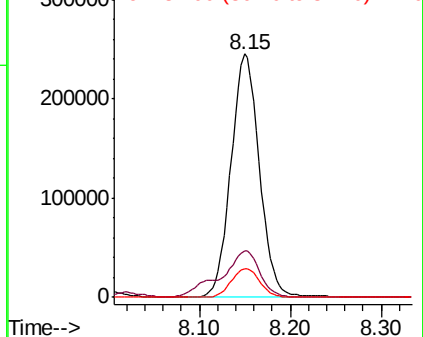
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 528714

Ion	Ratio	Lower	Upper
43	100		
61	26.1	14.8	22.2#
87	12.1	9.7	14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)



#44

Trichloroethene

Concen: 56.862 ug/l

RT: 8.82 min Scan# 2193

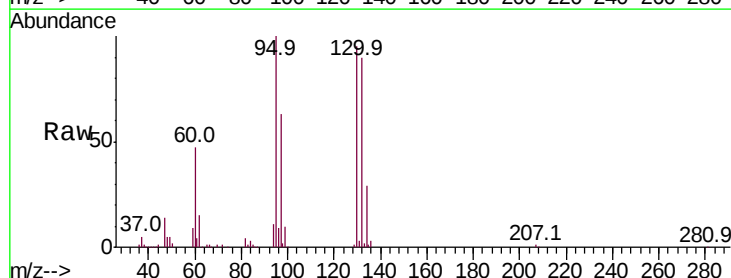
Delta R.T. 0.00 min

Lab File: VN058592.D

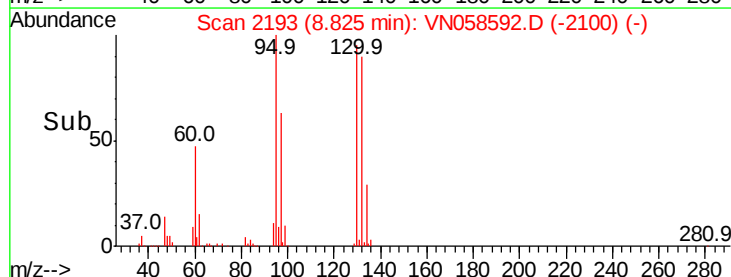
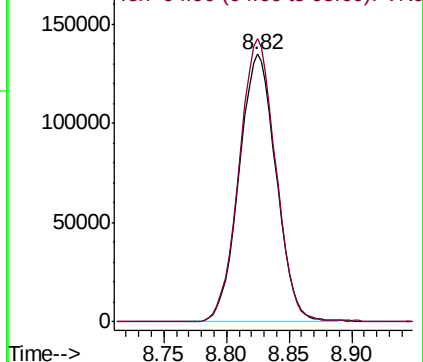
Acq: 8 Oct 2019 00:52

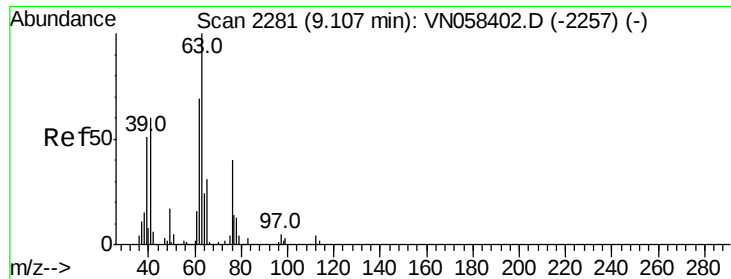
Tgt Ion:130 Resp: 277284

Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 51.411 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

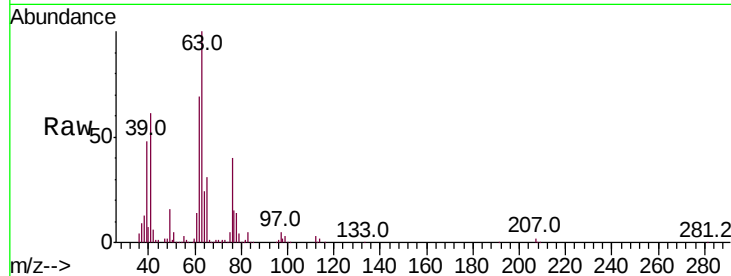
ClientSampleId :

Tot Ion: 63 Resp: 272299

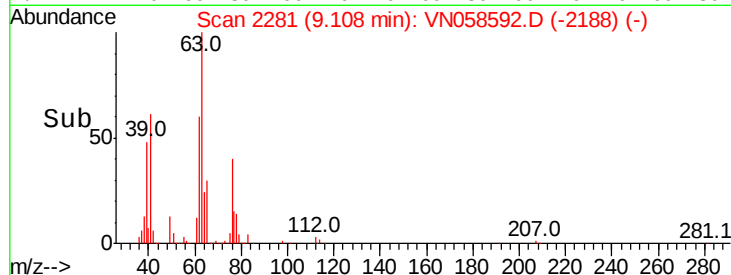
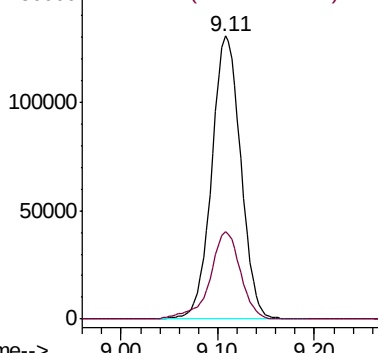
Ion Ratio Lower Upper

63 100

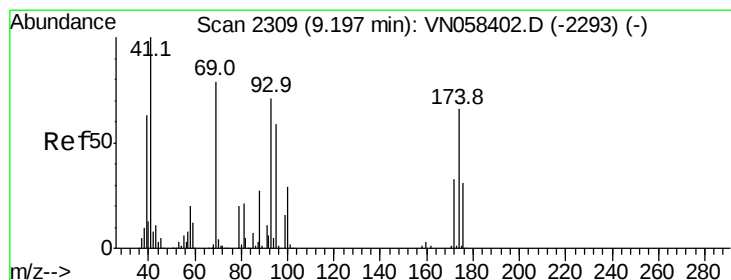
65 30.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



Time-->



#46

Dibromomethane

Concen: 50.319 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

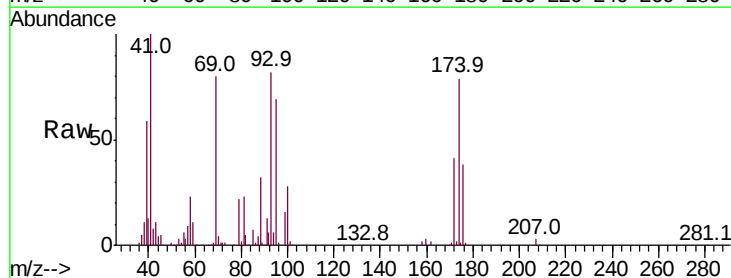
Tgt Ion: 93 Resp: 168783

Ion Ratio Lower Upper

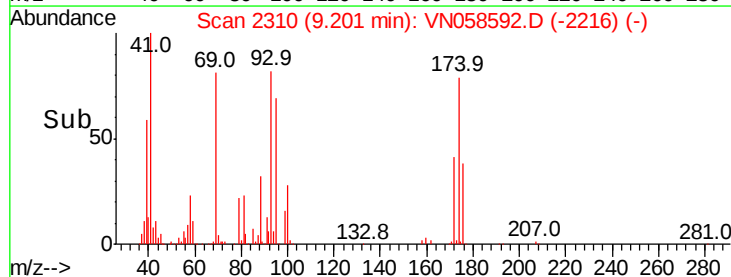
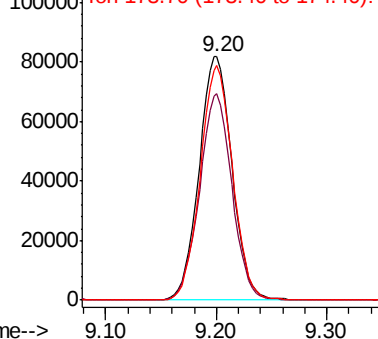
93 100

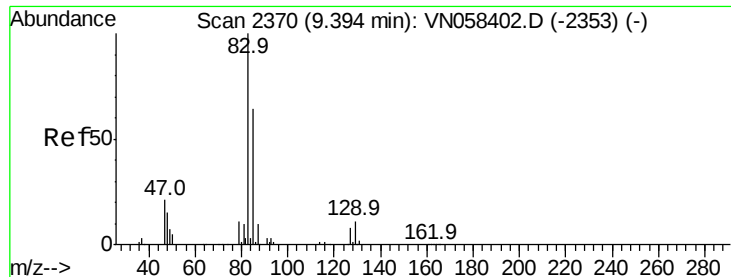
95 83.5 67.0 100.4

174 94.7 74.2 111.2



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.382 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :

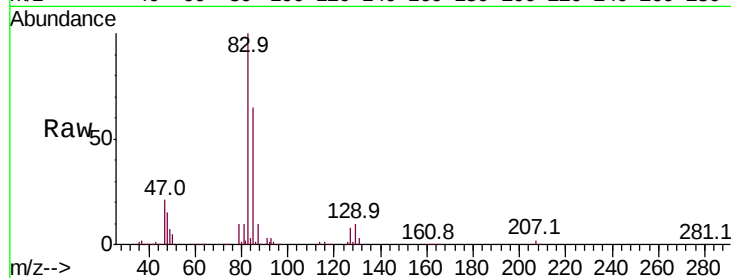
Tot Ion: 83 Resp: 358317

Ion Ratio Lower Upper

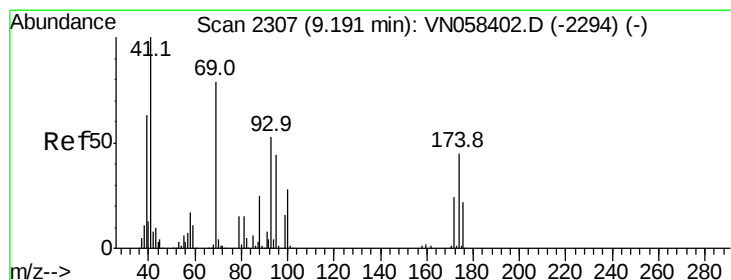
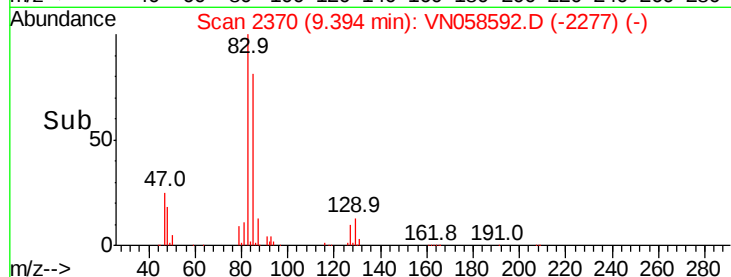
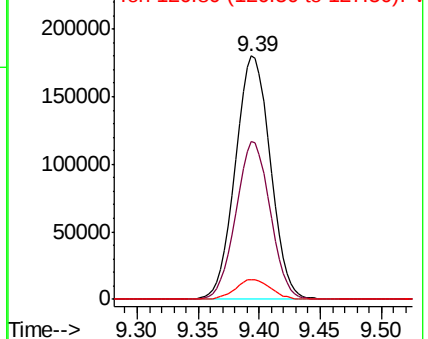
83 100

85 64.6 51.2 76.8

127 8.2 6.3 9.5



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



#48

Methyl methacrylate

Concen: 52.608 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

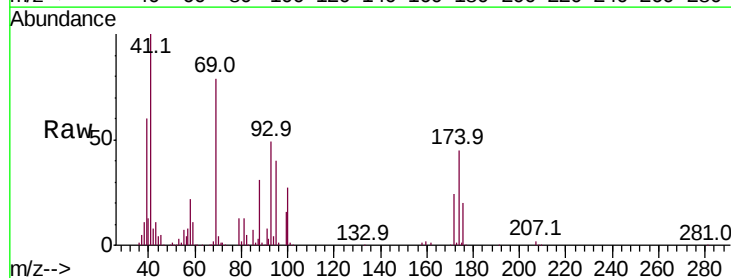
Tgt Ion: 41 Resp: 262393

Ion Ratio Lower Upper

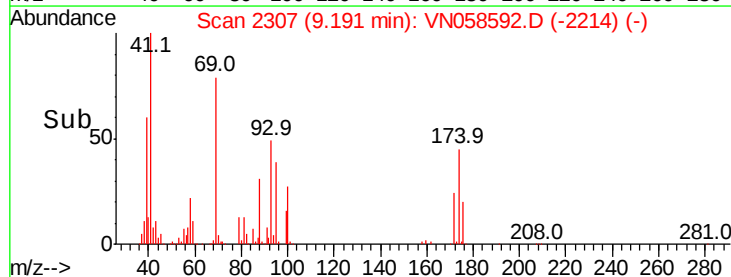
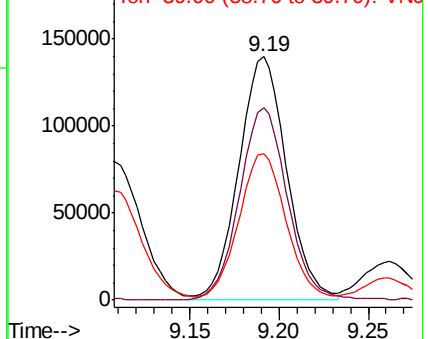
41 100

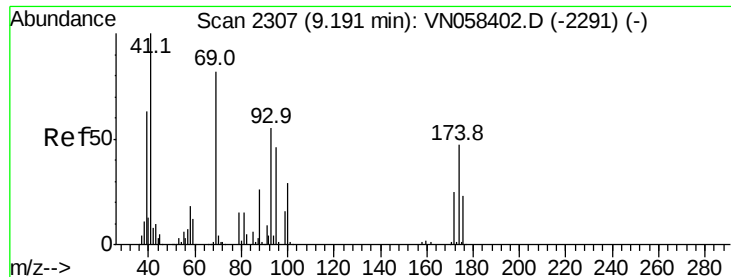
69 79.4 64.7 97.1

39 59.8 52.9 79.3



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

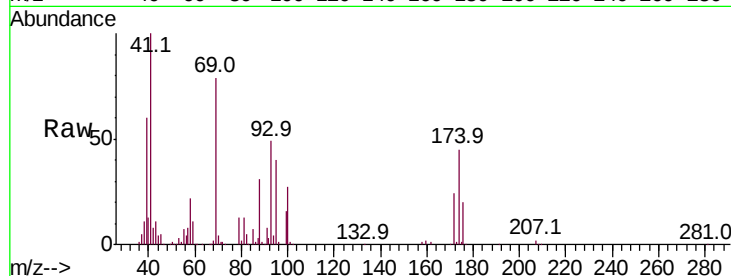




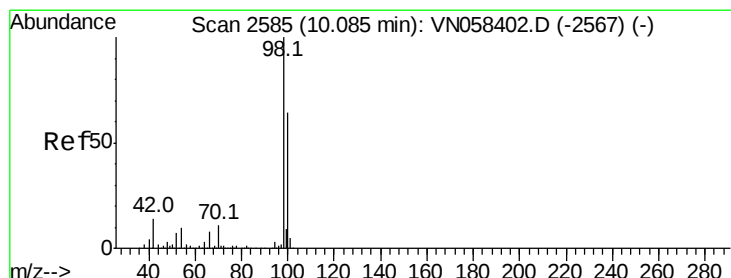
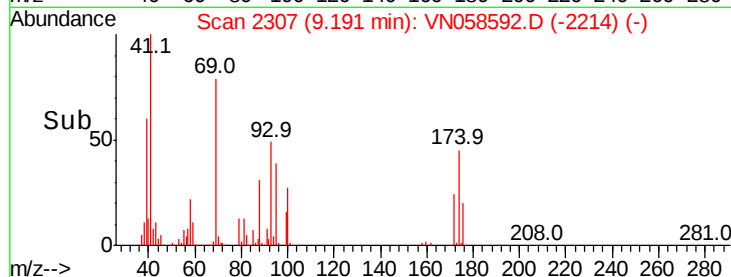
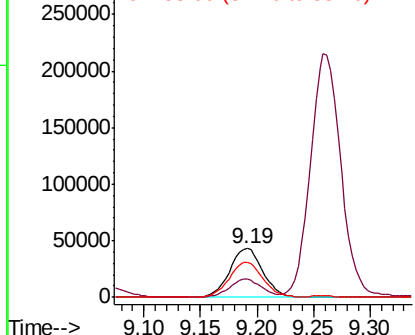
#49
1,4-Dioxane
Concen: 1335.667 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 89079
Ion Ratio Lower Upper
88 100
43 35.1 31.1 46.7
58 71.6 58.1 87.1

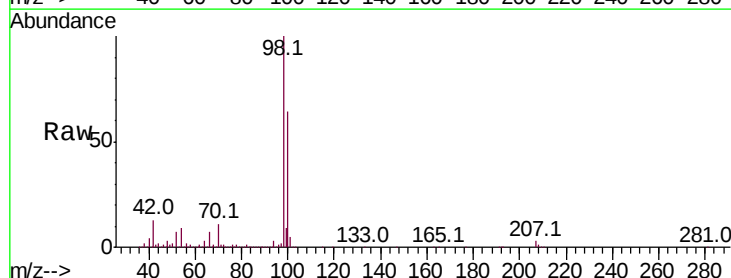


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

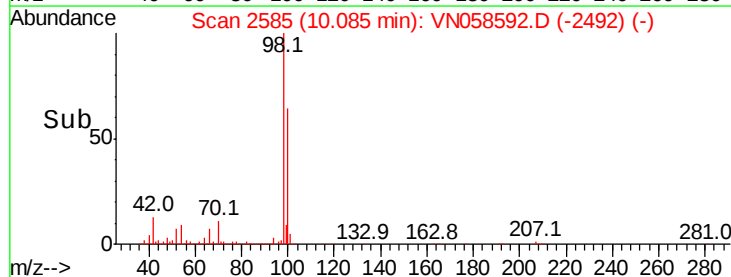
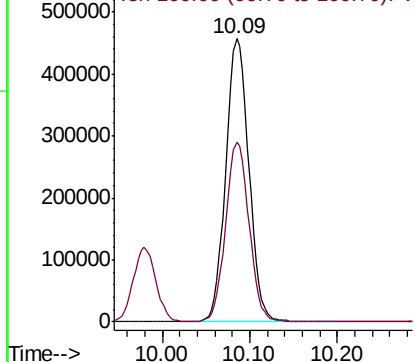


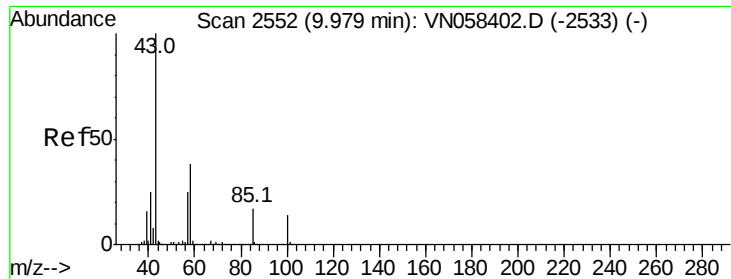
#50
Toluene-d8
Concen: 48.657 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 98 Resp: 839400
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.6



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

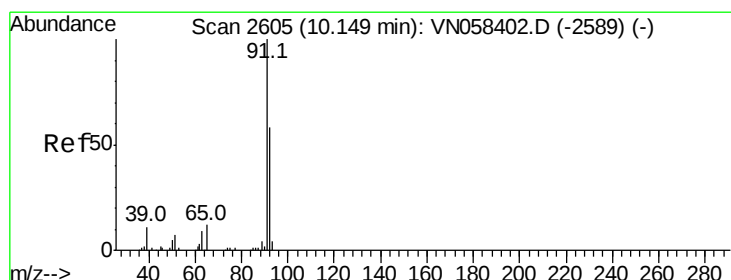
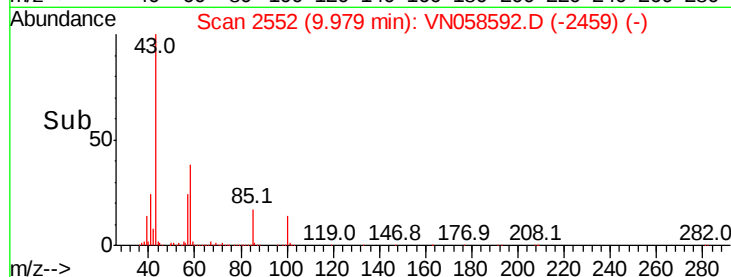
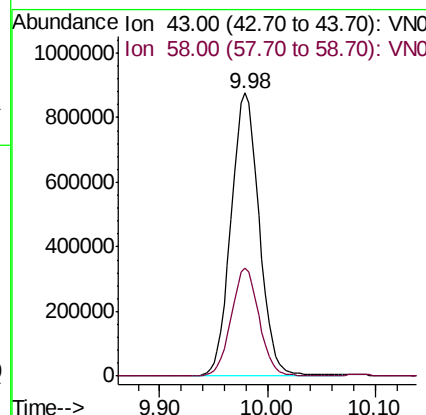
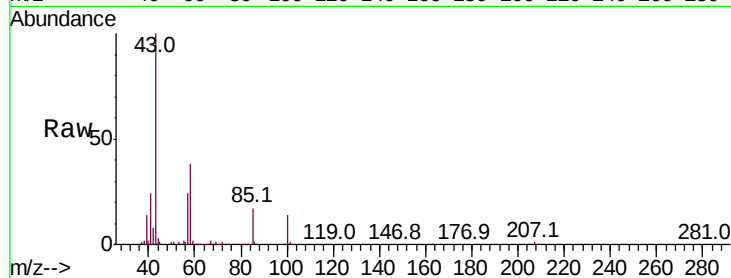




#51
4-Methyl-2-Pentanone
Concen: 281.962 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

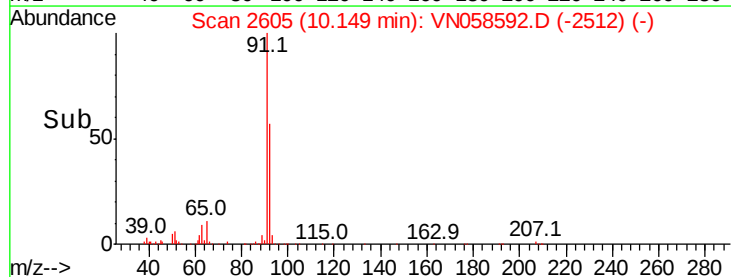
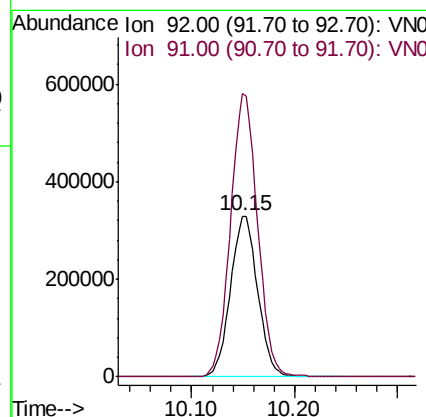
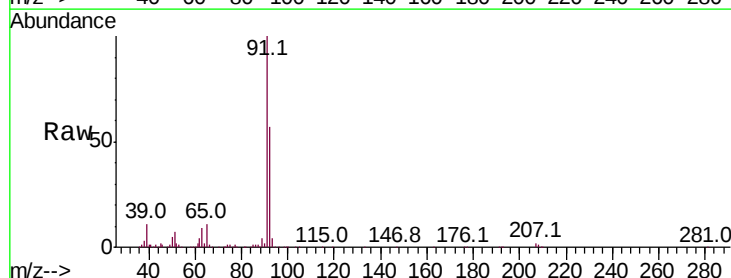
Instrument :
MSVOA_N
ClientSampleId :

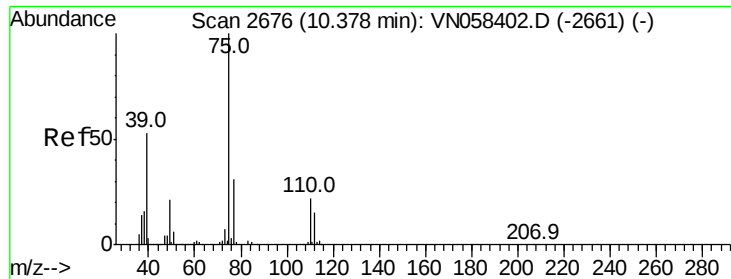
Tot Ion: 43 Resp: 1586470
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.2



#52
Toluene
Concen: 48.819 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 92 Resp: 606849
Ion Ratio Lower Upper
92 100
91 175.4 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 55.417 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

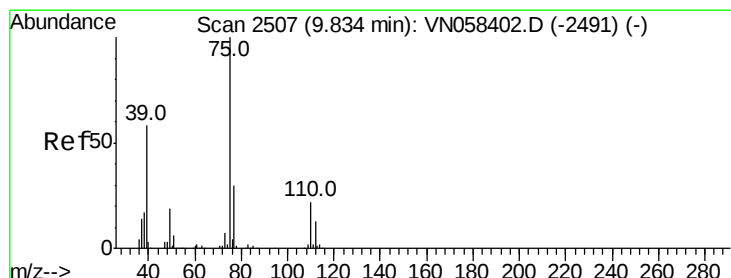
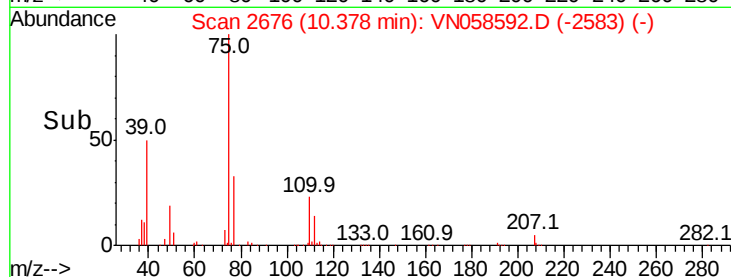
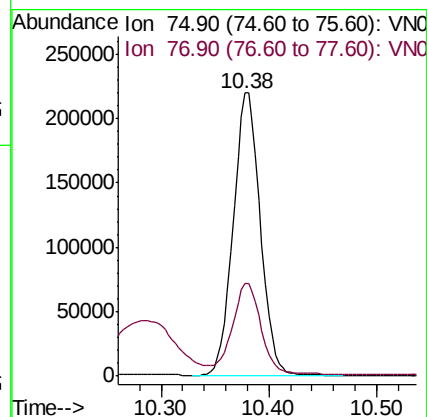
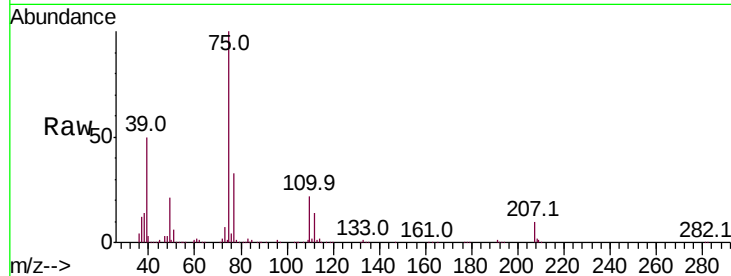
ClientSampleId :

Tot Ion: 75 Resp: 383326

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 52.648 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

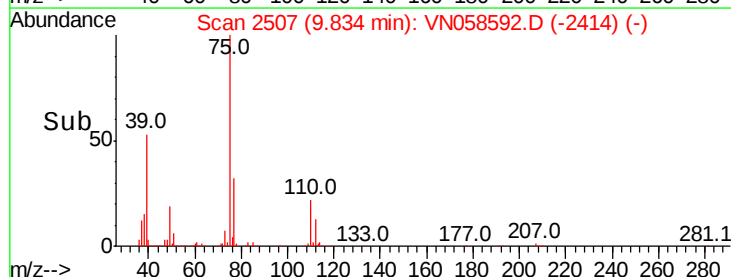
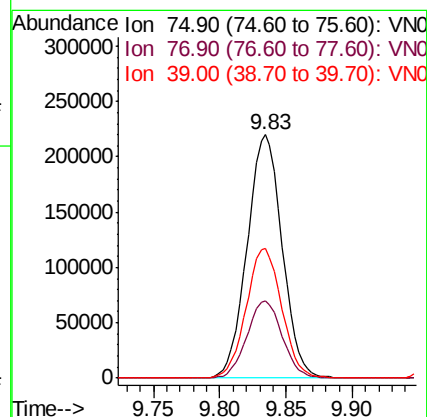
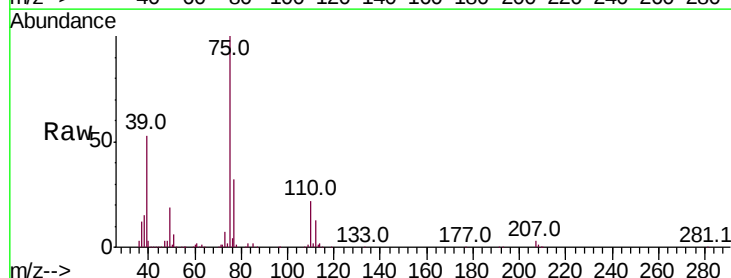
Tgt Ion: 75 Resp: 404250

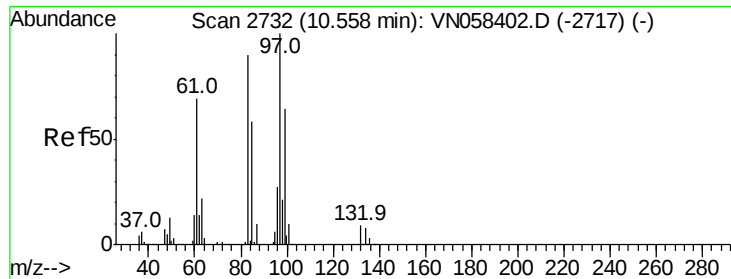
Ion Ratio Lower Upper

75 100

77 31.8 24.2 36.4

39 53.0 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 53.627 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 242728

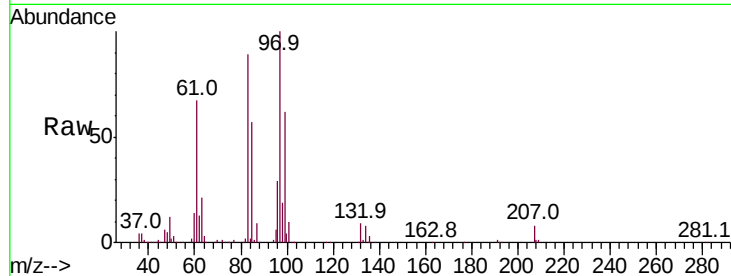
Ion Ratio Lower Upper

97 100

83 88.7 71.8 107.6

85 57.2 46.6 69.8

99 62.0 51.5 77.3



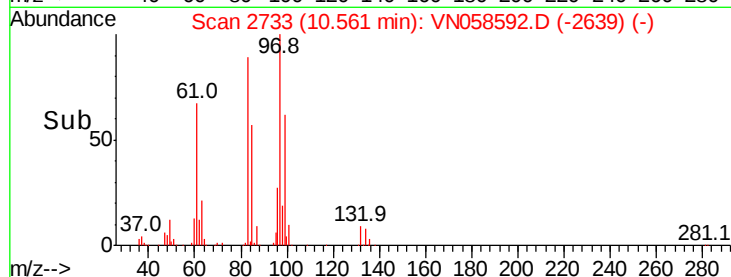
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

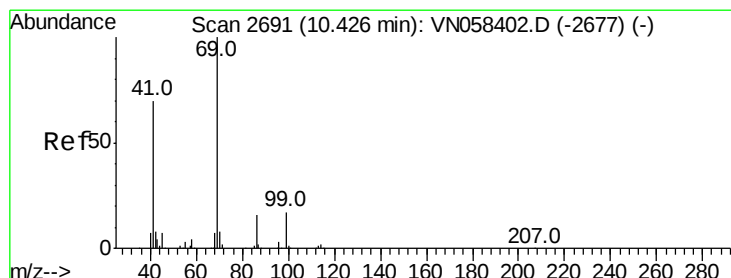
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56



Time-->



#56

Ethyl methacrylate

Concen: 54.508 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

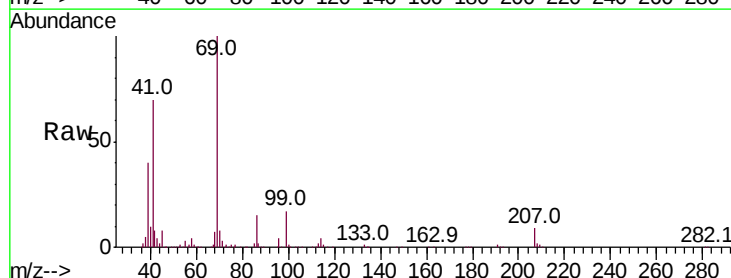
Tgt Ion: 69 Resp: 374367

Ion Ratio Lower Upper

69 100

41 69.6 56.3 84.5

39 39.4 35.8 53.6

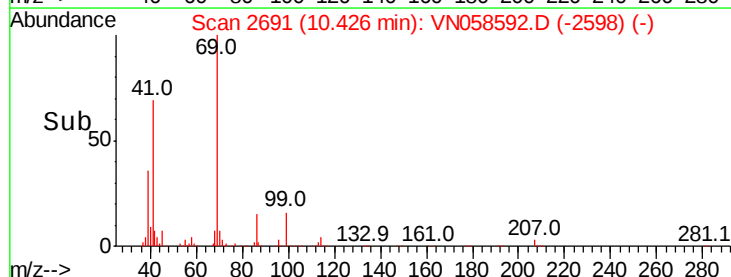


Abundance Ion 69.00 (68.70 to 69.70): VN0

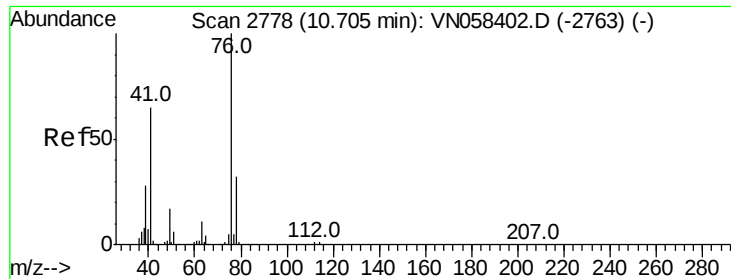
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43



Time-->



#57

1,3-Dichloropropane

Concen: 53.234 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

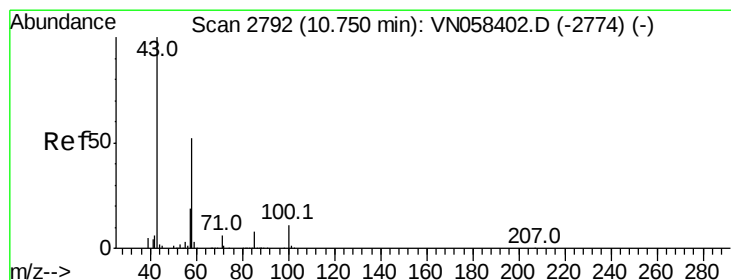
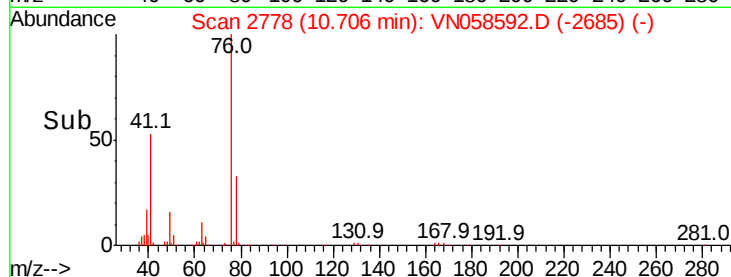
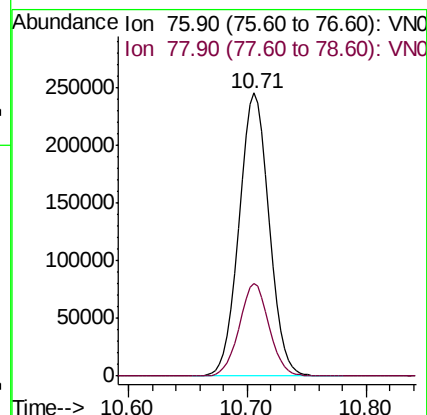
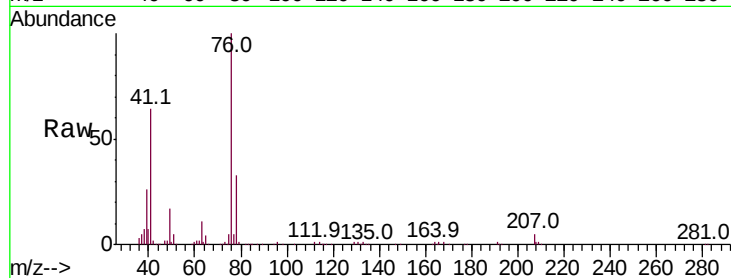
ClientSampled :

Tot Ion: 76 Resp: 429777

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#59

2-Hexanone

Concen: 280.626 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058592.D

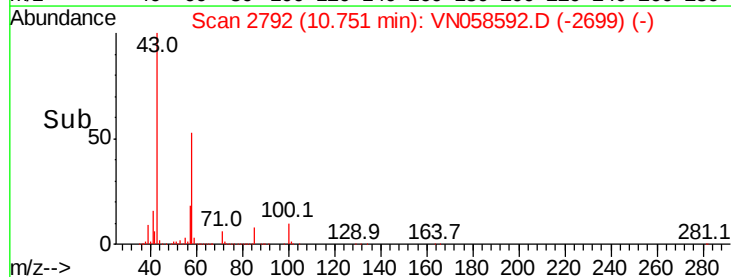
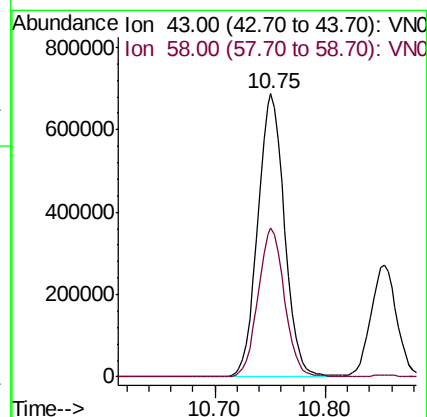
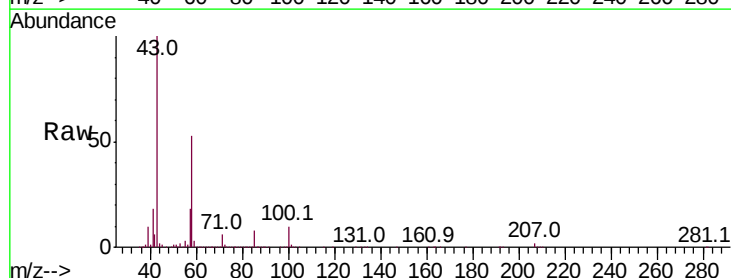
Acq: 8 Oct 2019 00:52

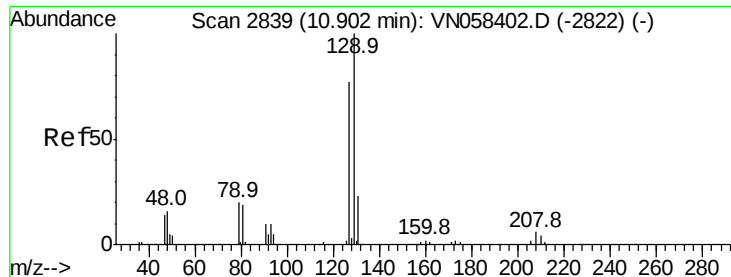
Tgt Ion: 43 Resp: 1149716

Ion Ratio Lower Upper

43 100

58 52.2 25.8 77.3





#60

Dibromochloromethane

Concen: 56.653 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

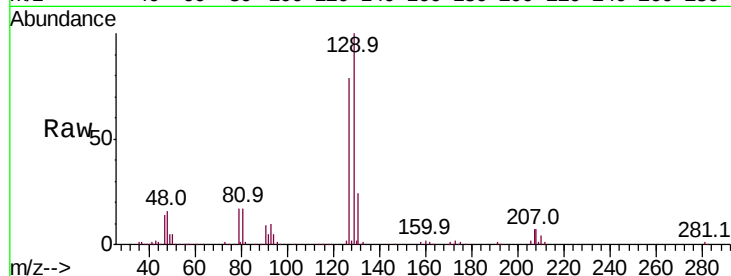
ClientSampleId :

Tot Ion:129 Resp: 265192

Ion Ratio Lower Upper

129 100

127 77.6 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

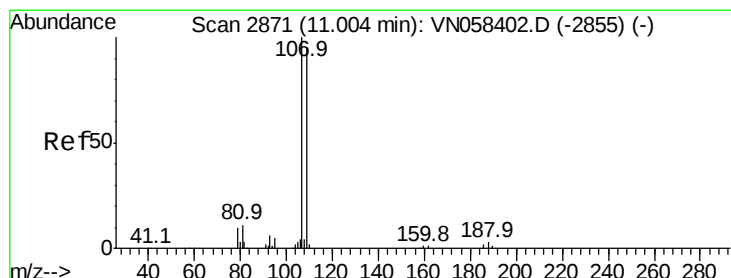
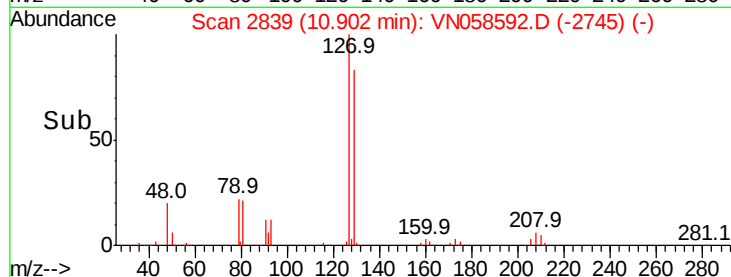
150000

100000

50000

0

Time--> 10.80 10.85 10.90 10.95



#61

1,2-Dibromoethane

Concen: 53.037 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058592.D

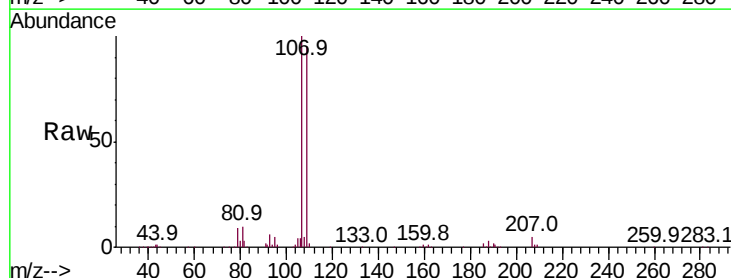
Acq: 8 Oct 2019 00:52

Tgt Ion:107 Resp: 245289

Ion Ratio Lower Upper

107 100

109 94.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

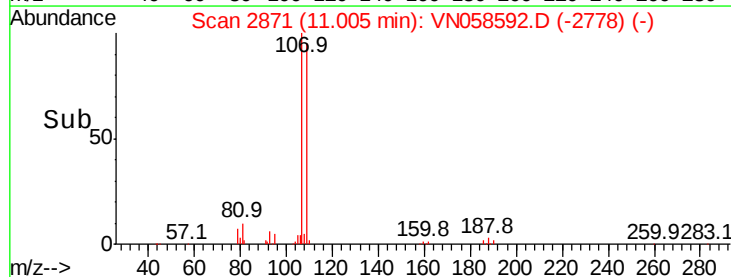
150000

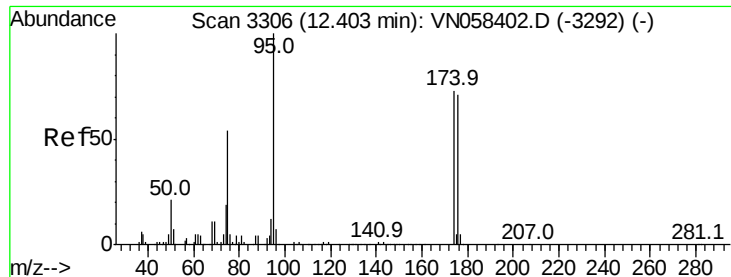
100000

50000

0

Time--> 10.90 11.00 11.10

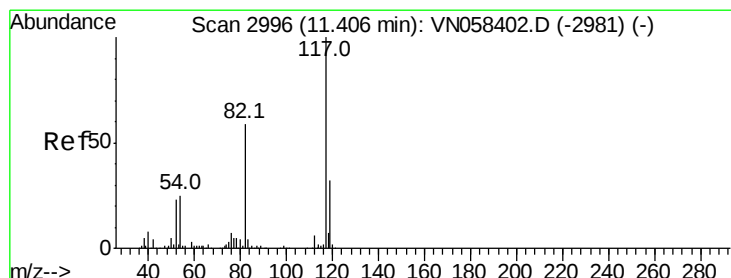
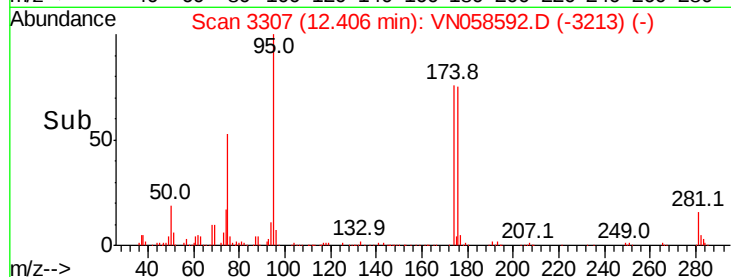
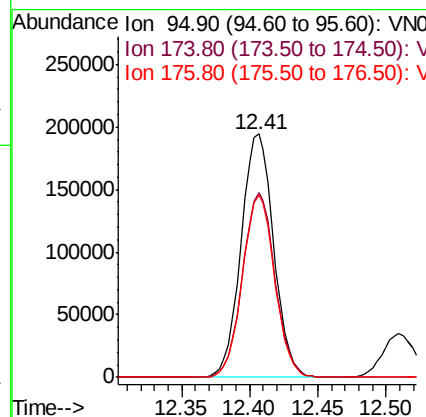
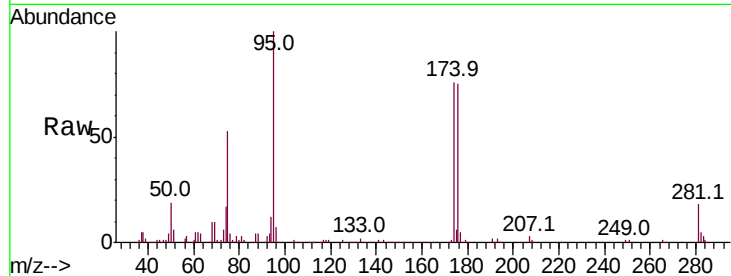




#62
4-Bromofluorobenzene
Concen: 51.536 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

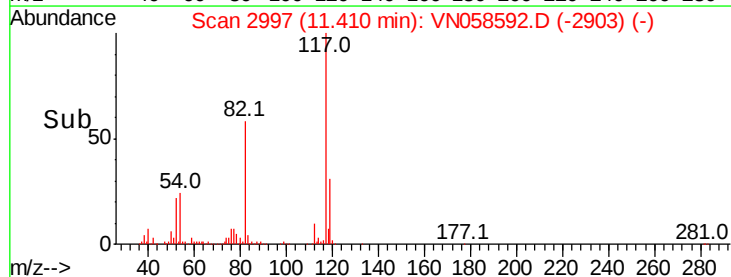
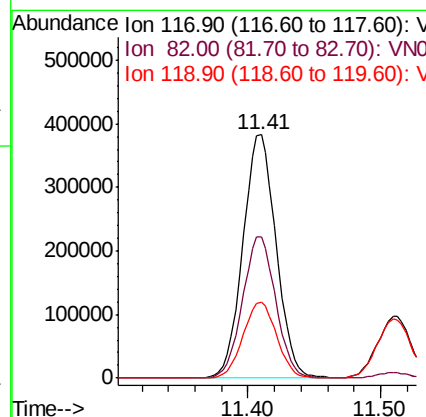
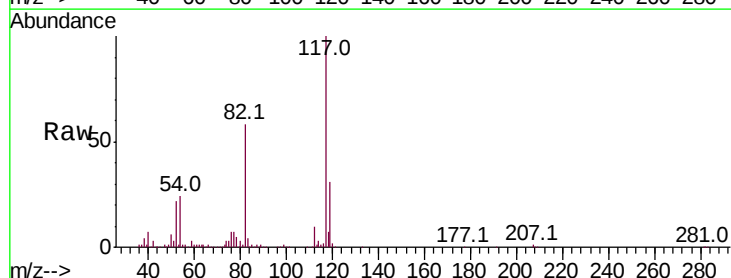
Instrument :
MSVOA_N
ClientSampled :

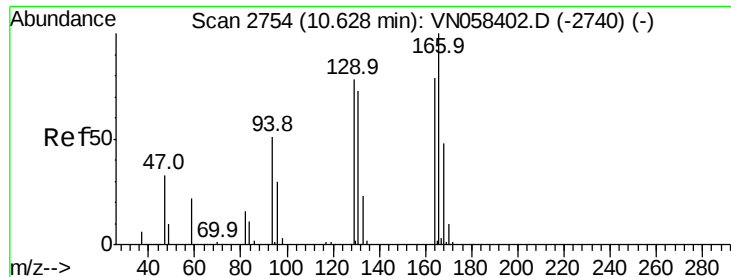
Tot Ion: 95 Resp: 321470
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.6
176 74.4 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 117 Resp: 665530
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.0
119 31.3 25.5 38.3





#64

Tetrachloroethene

Concen: 582.093 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 2461282

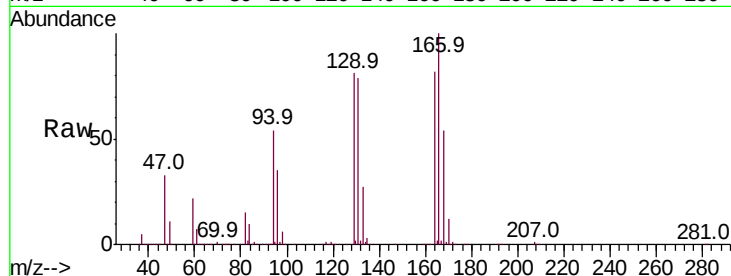
Ion Ratio Lower Upper

164 100

166 121.3 101.1 151.7

129 98.4 79.2 118.8

131 96.2 74.1 111.1



Abundance Ion 163.80 (163.50 to 164.50): V

2500000 Ion 165.80 (165.50 to 166.50): V

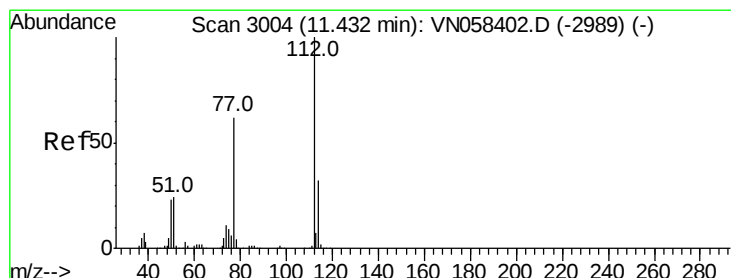
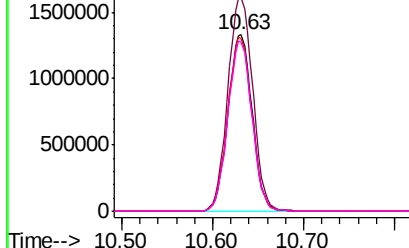
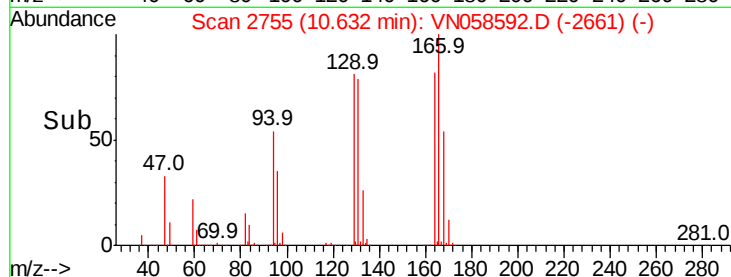
2000000 Ion 128.80 (128.50 to 129.50): V

1500000 Ion 130.80 (130.50 to 131.50): V

1000000

500000

0



#65

Chlorobenzene

Concen: 49.490 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058592.D

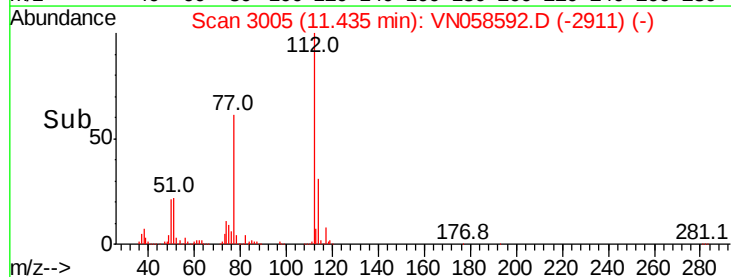
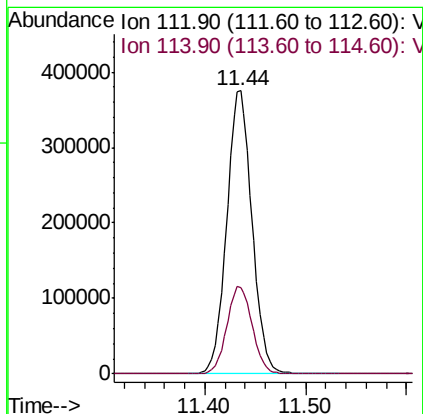
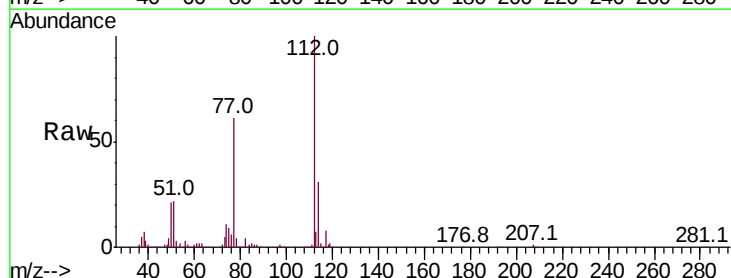
Acq: 8 Oct 2019 00:52

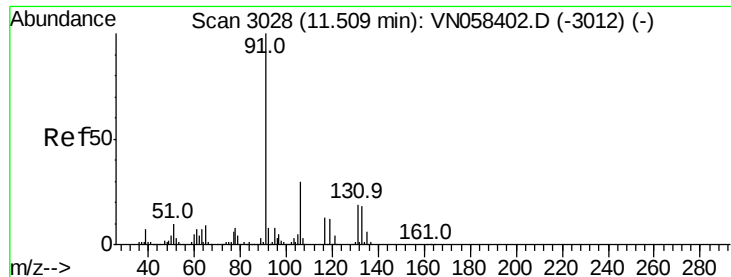
Tgt Ion:112 Resp: 654716

Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 55.725 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

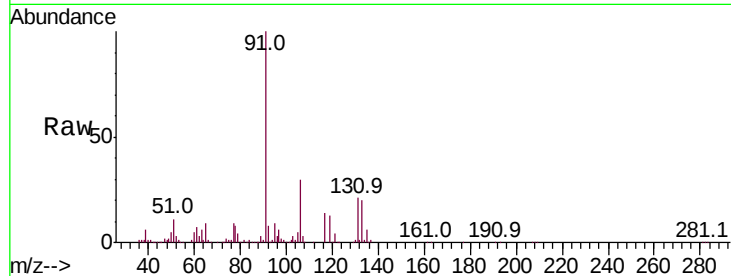
Tot Ion:131 Resp: 248380

Ion Ratio Lower Upper

131 100

133 95.7 47.8 143.3

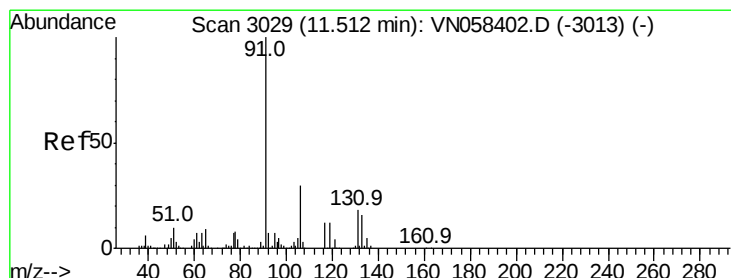
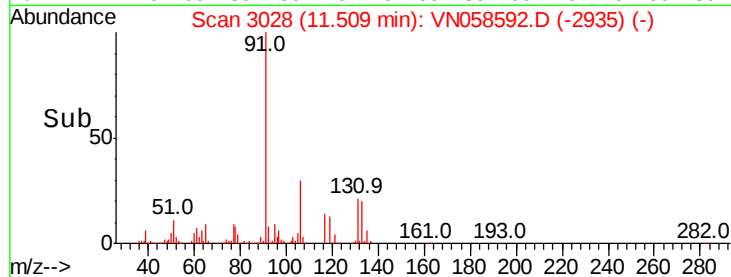
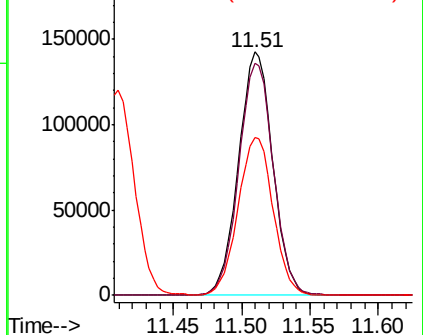
119 66.4 33.0 99.0



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: 49.880 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058592.D

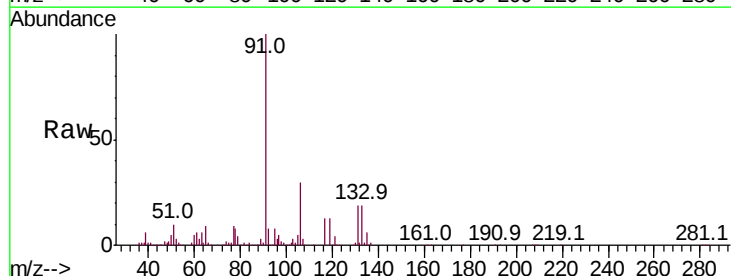
Acq: 8 Oct 2019 00:52

Tgt Ion: 91 Resp: 1195231

Ion Ratio Lower Upper

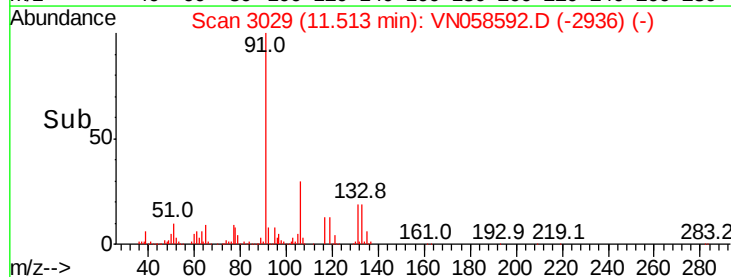
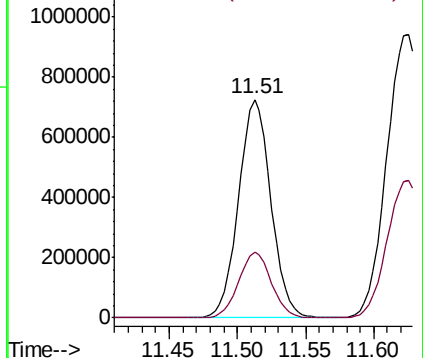
91 100

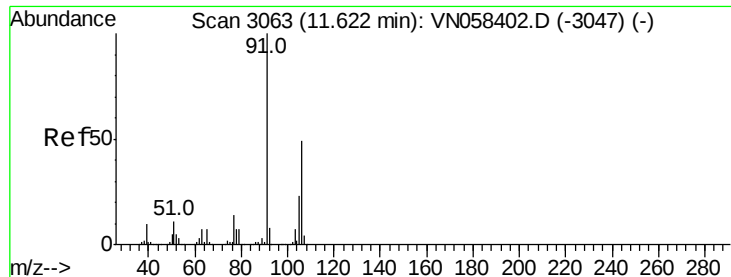
106 30.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

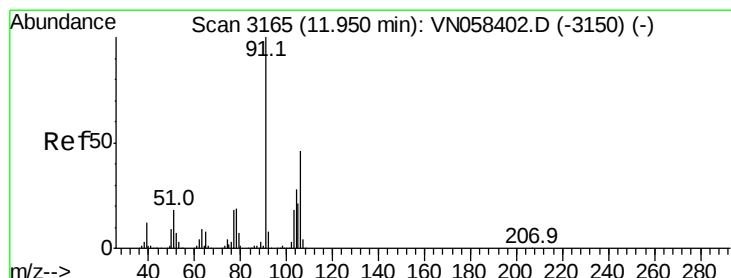
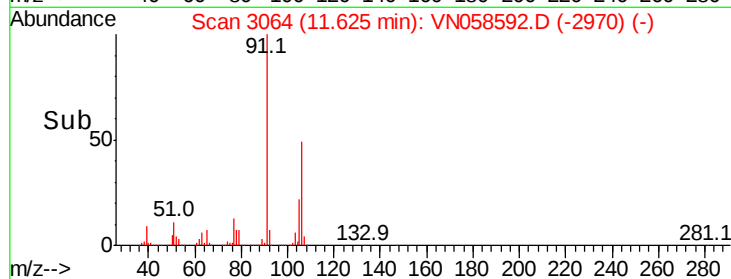
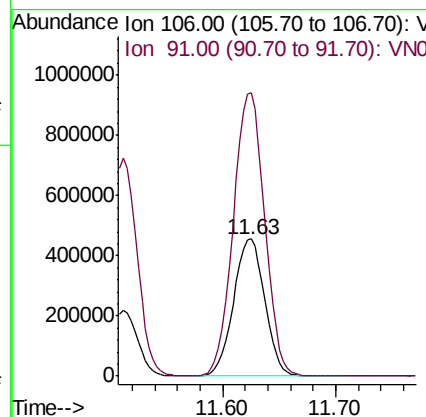
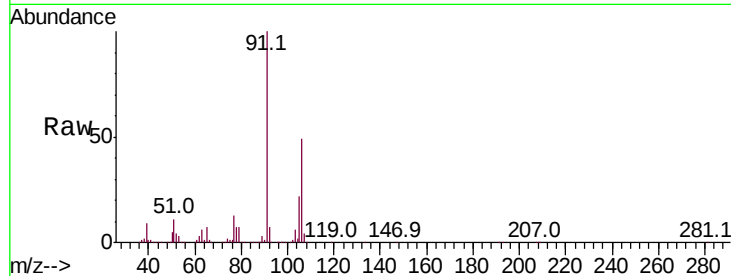




#68
m/p-Xylenes
Concen: 97.164 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

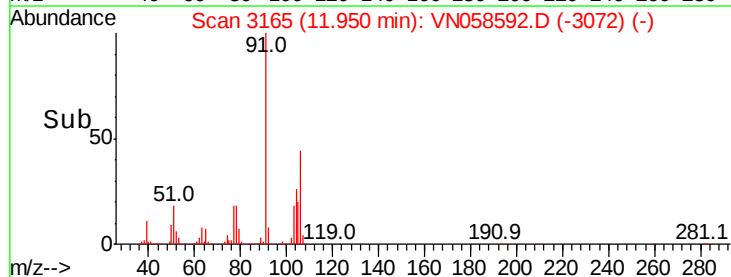
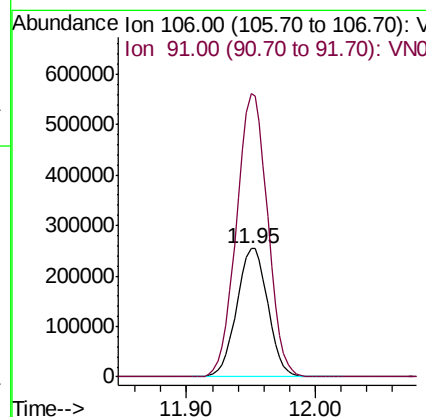
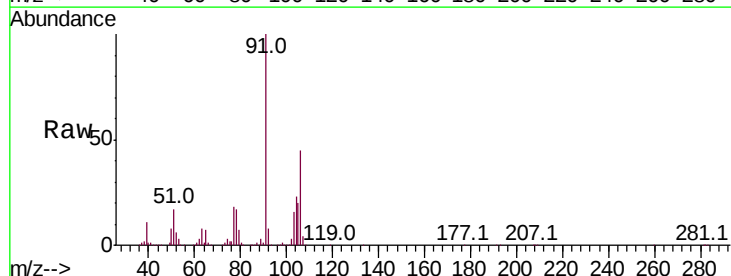
Instrument :
MSVOA_N
ClientSampled :

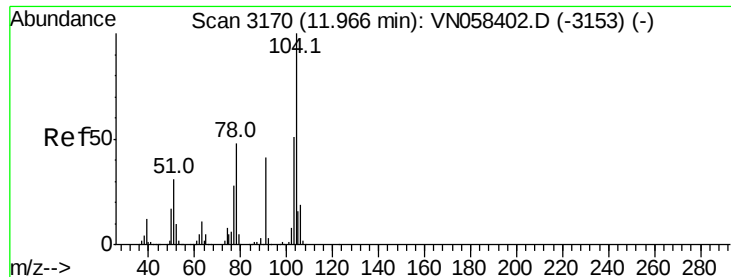
Tot Ion:106 Resp: 875974
Ion Ratio Lower Upper
106 100
91 207.2 165.0 247.4



#69
o-Xylene
Concen: 49.339 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion:106 Resp: 428200
Ion Ratio Lower Upper
106 100
91 220.2 109.1 327.4

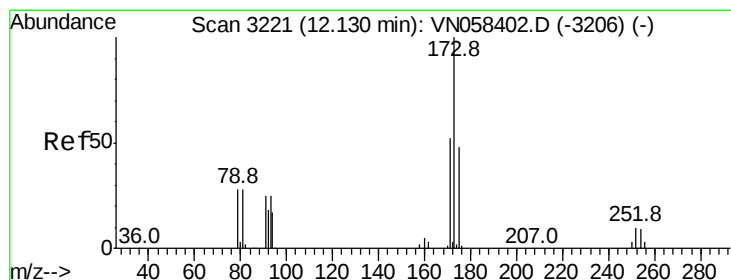
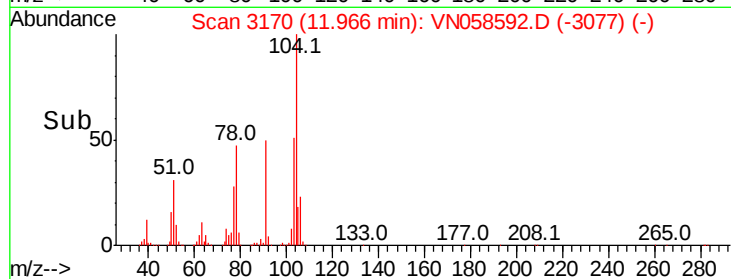
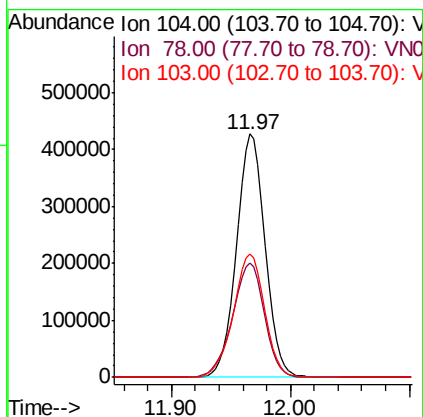
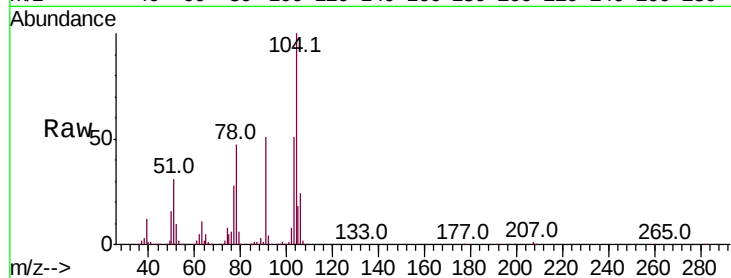




#70
Stvrene
Concen: 50.481 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

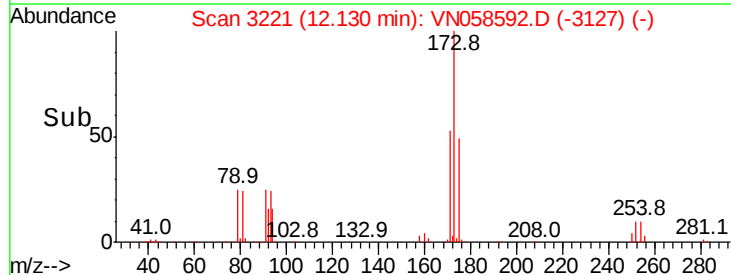
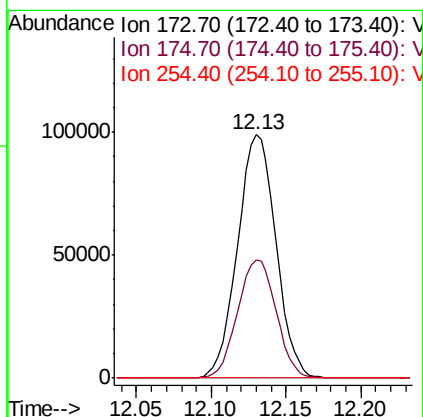
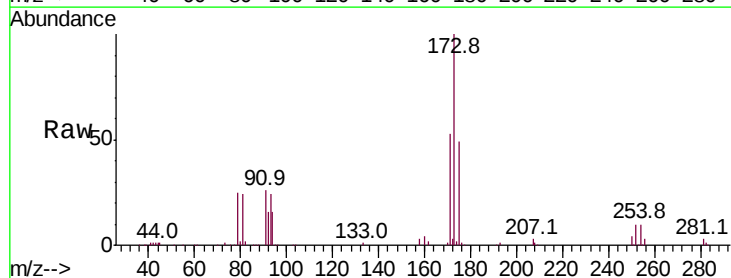
Instrument :
MSVOA_N
ClientSampleId :

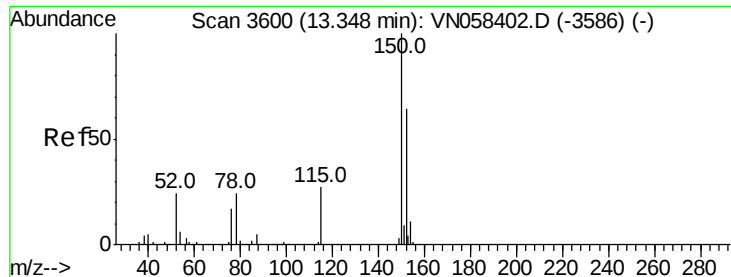
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.8	64.2
103	55.4	43.7	65.5



#71
Bromoform
Concen: 57.320 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.1	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

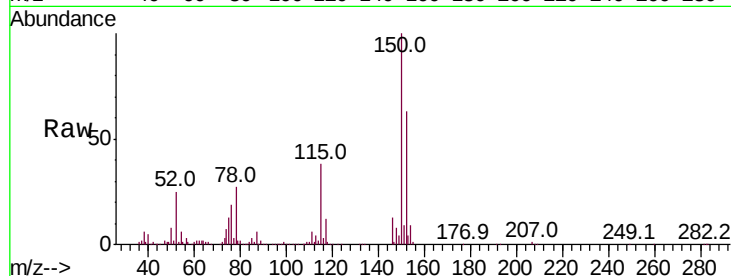
Tot Ion:152 Resp: 324433

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

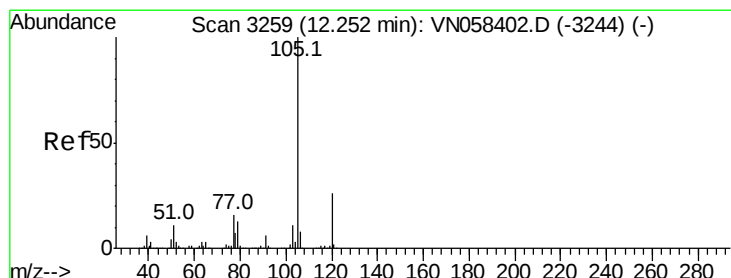
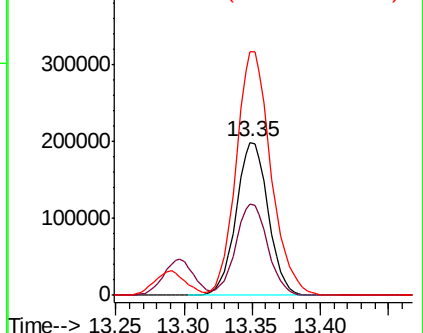
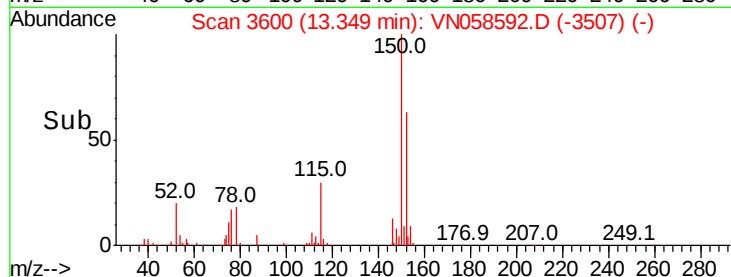
150 172.4 0.0 348.2



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: 48.186 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058592.D

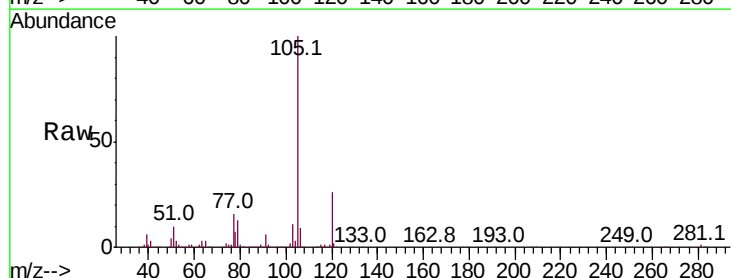
Acq: 8 Oct 2019 00:52

Tgt Ion:105 Resp: 1155313

Ion Ratio Lower Upper

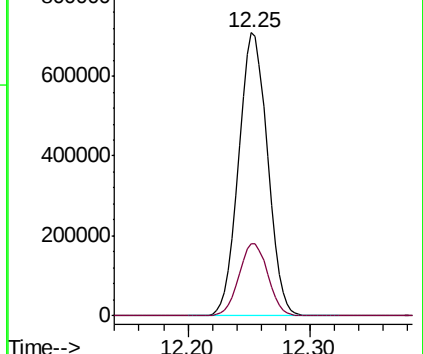
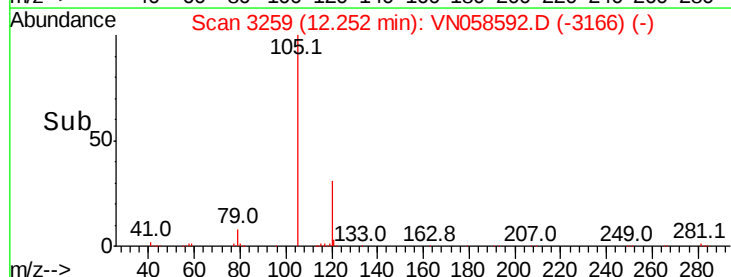
105 100

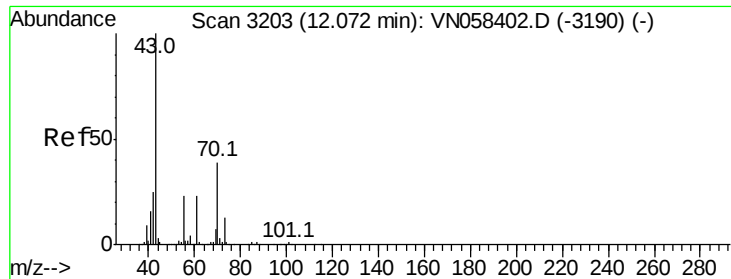
120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.239 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 450591

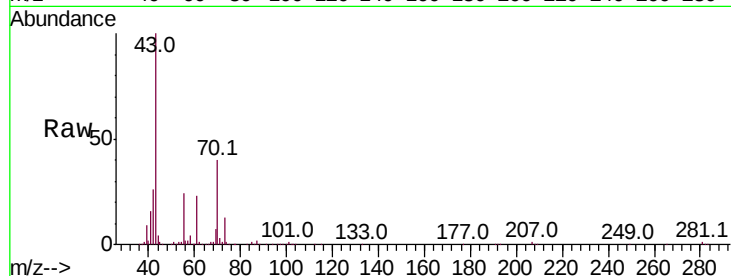
Ion Ratio Lower Upper

43 100

70 39.8 31.4 47.2

55 24.1 18.2 27.4

61 23.2 18.3 27.5



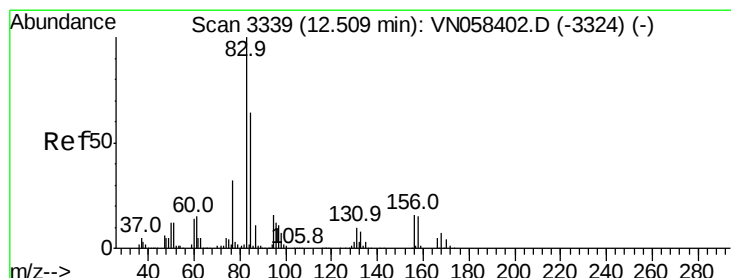
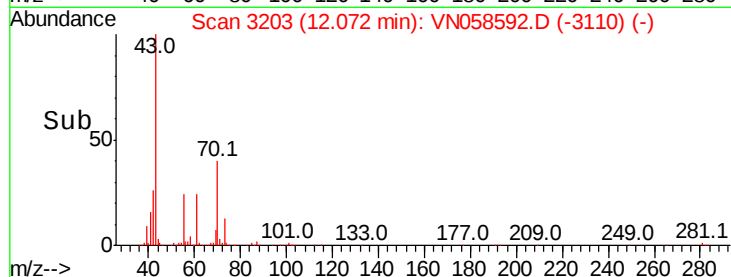
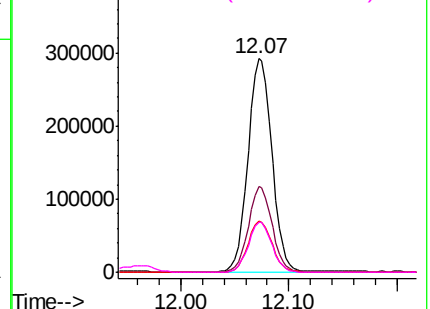
Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: 50.889 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

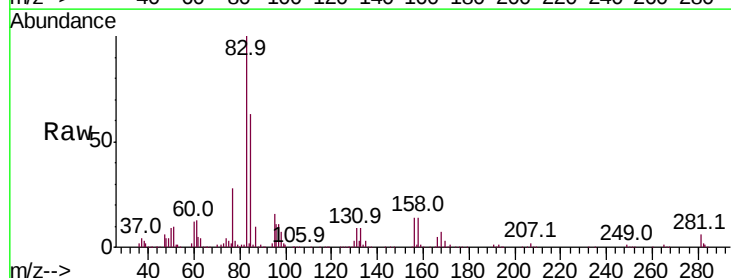
Tgt Ion: 83 Resp: 360795

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

85 63.6 32.0 96.0

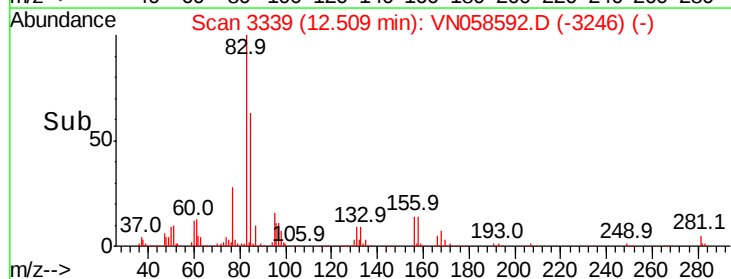
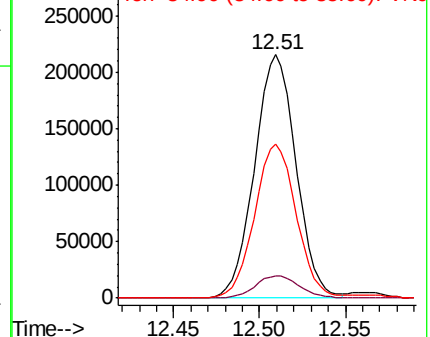


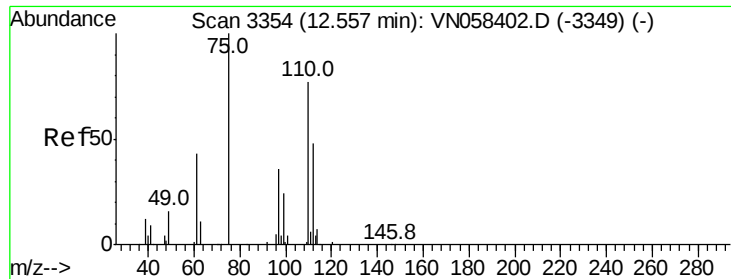
Abundance

Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 76.294 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

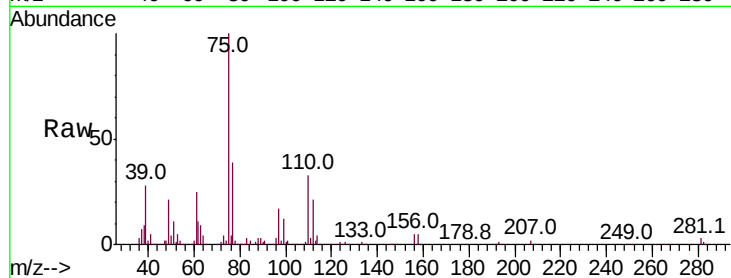
ClientSampleId :

Tot Ion: 75 Resp: 452104

Ion Ratio Lower Upper

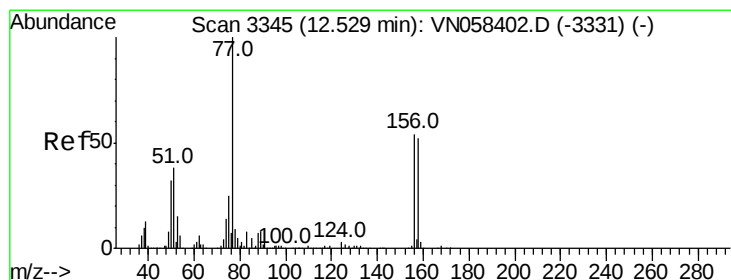
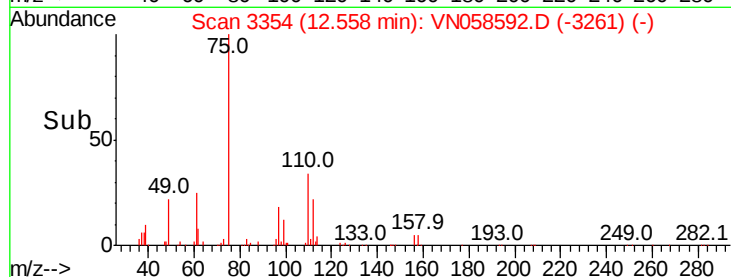
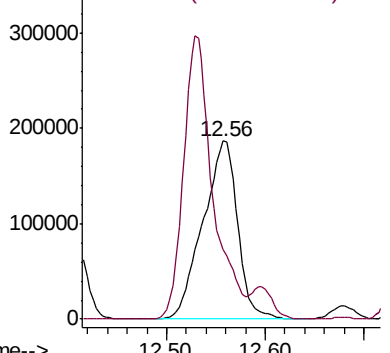
75 100

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: 49.331 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

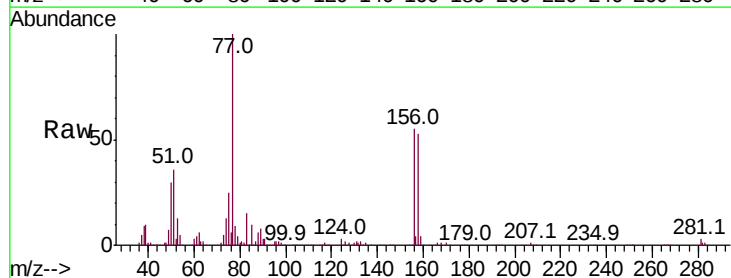
Tgt Ion: 156 Resp: 277336

Ion Ratio Lower Upper

156 100

77 221.4 110.0 330.0

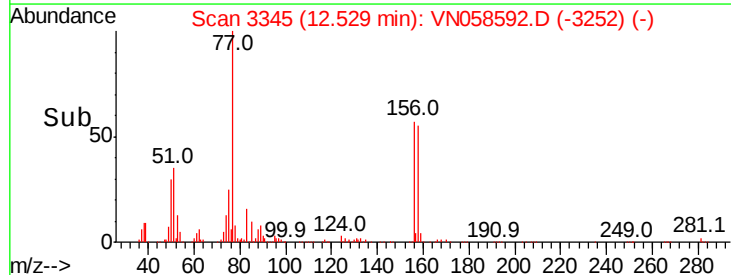
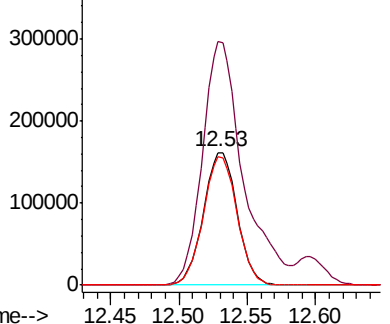
158 97.4 47.9 143.8

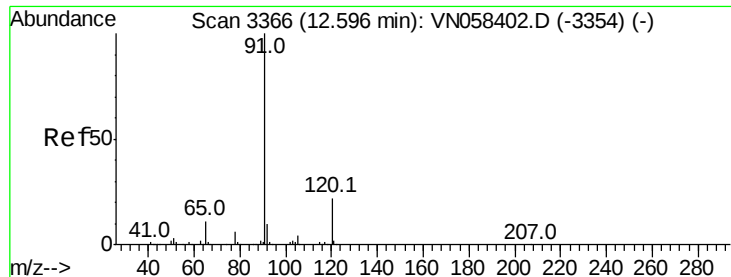


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 49.312 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

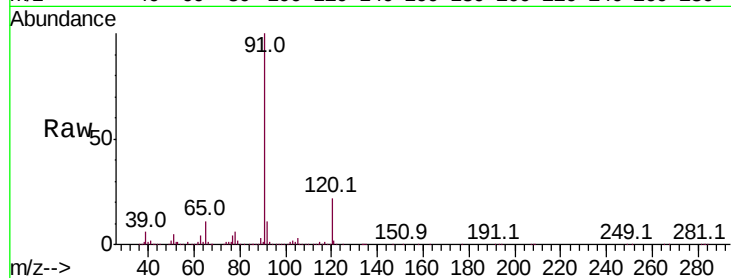
ClientSampleId :

Tot Ion: 91 Resp: 1332011

Ion Ratio Lower Upper

91 100

120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3354) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3354) (-)

12.60

800000

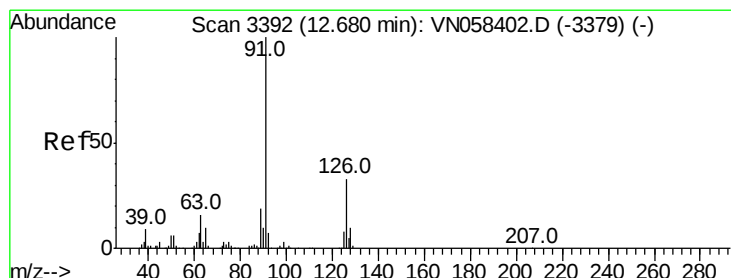
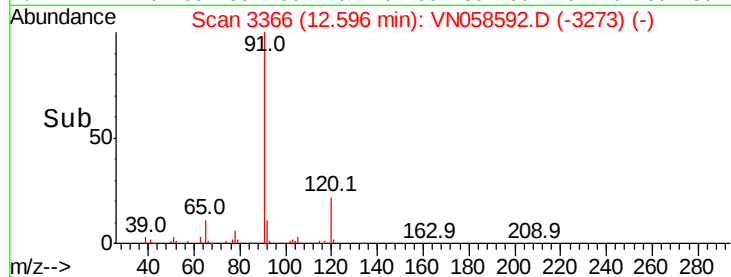
600000

400000

200000

0

Time-->



#79

2-Chlorotoluene

Concen: 48.413 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058592.D

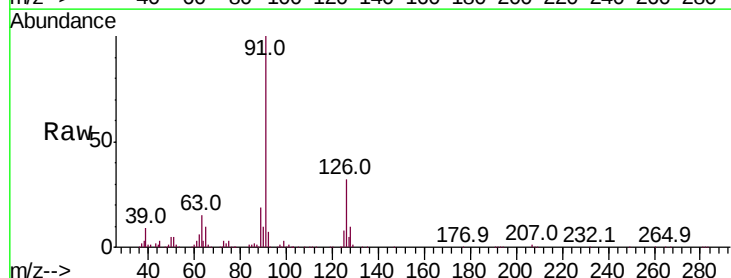
Acq: 8 Oct 2019 00:52

Tgt Ion: 91 Resp: 807175

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)

12.68

800000

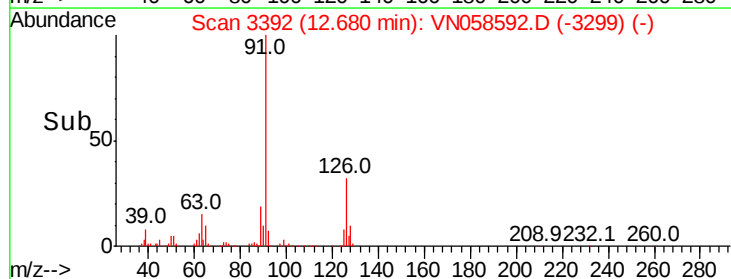
600000

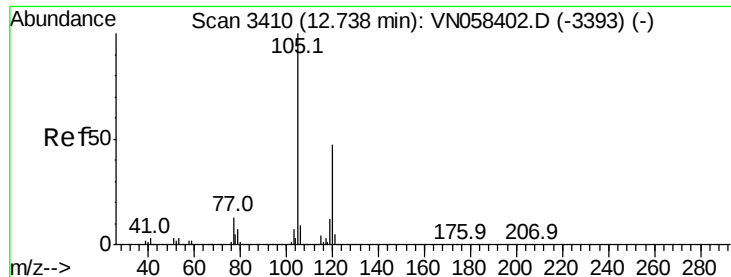
400000

200000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 49.281 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

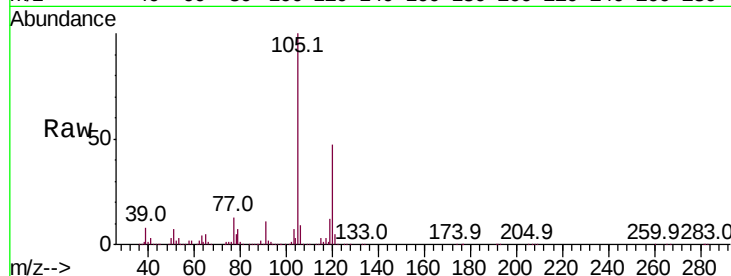
ClientSampleId :

Tot Ion:105 Resp: 989093

Ion Ratio Lower Upper

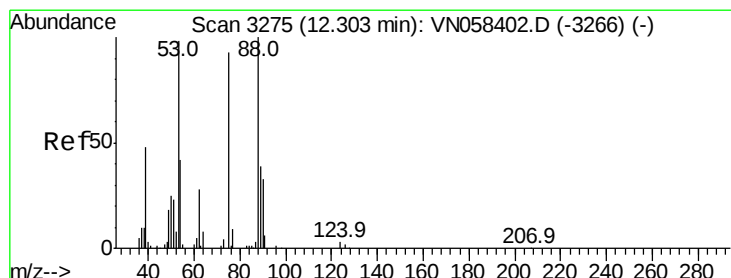
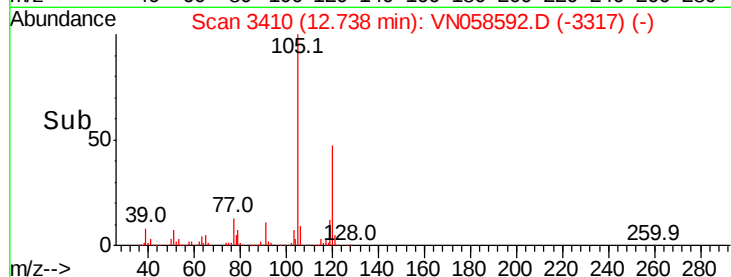
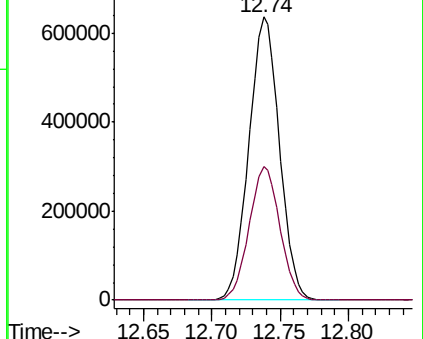
105 100

120 47.6 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 51.632 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

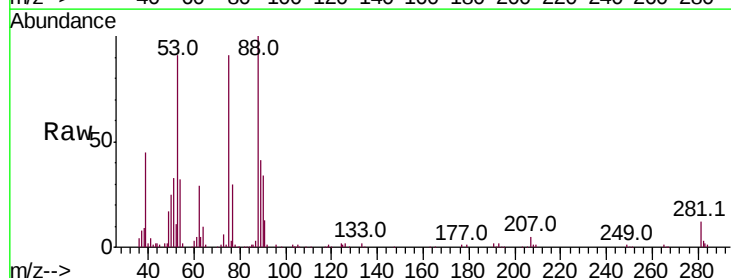
Tgt Ion: 75 Resp: 100740

Ion Ratio Lower Upper

75 100

53 100.7 85.4 128.0

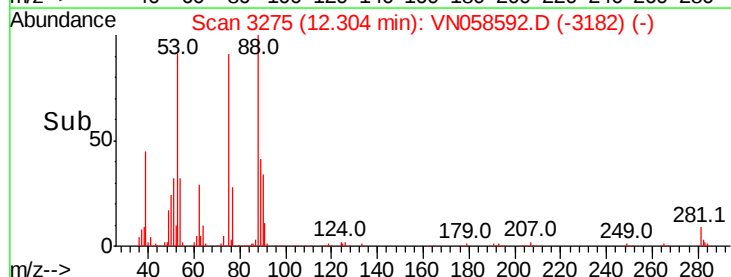
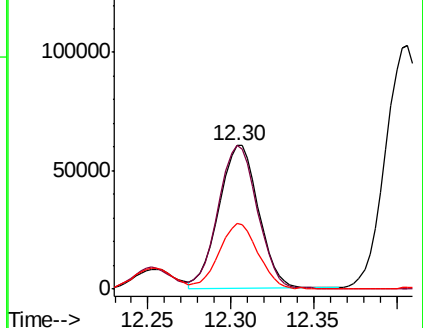
89 45.0 35.0 52.4

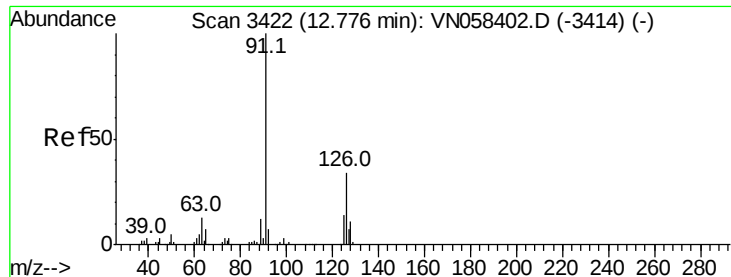


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

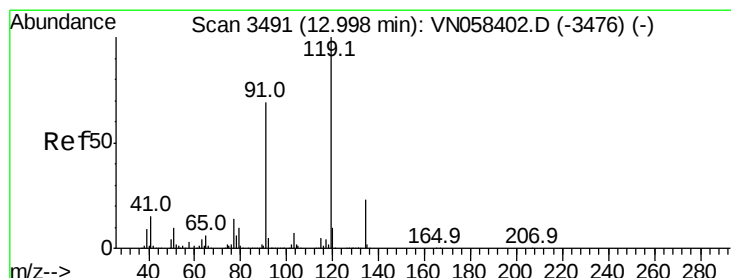
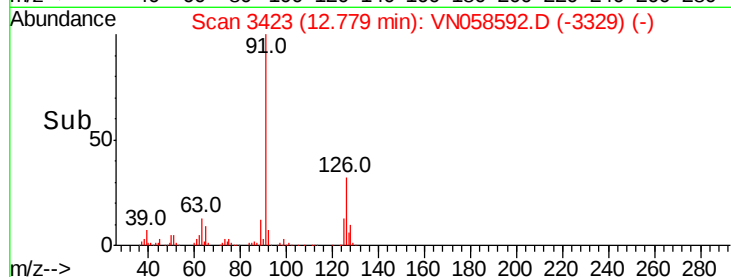
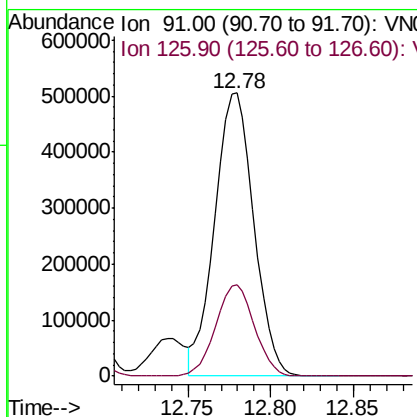
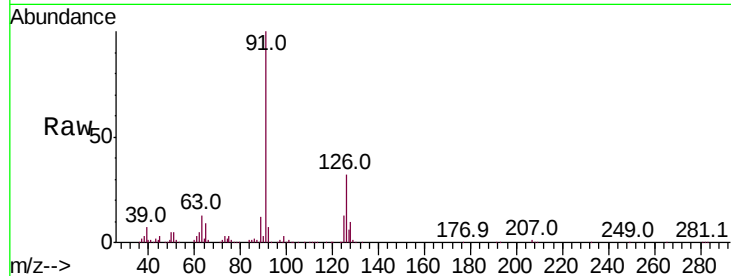




#82
4-Chlorotoluene
Concen: 48.631 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

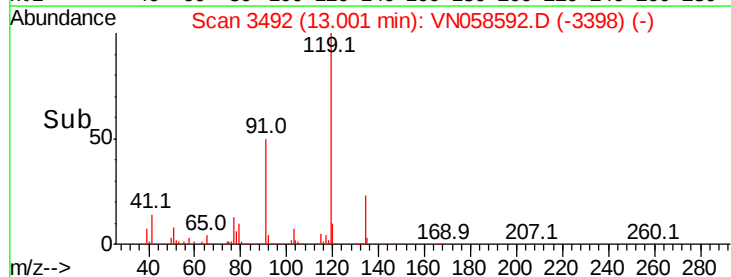
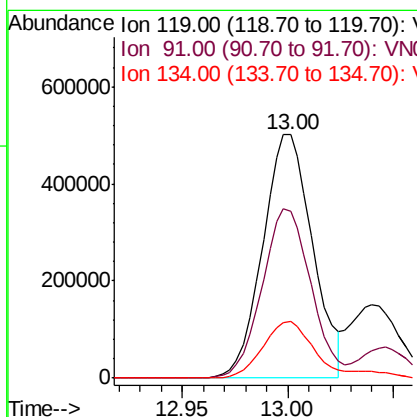
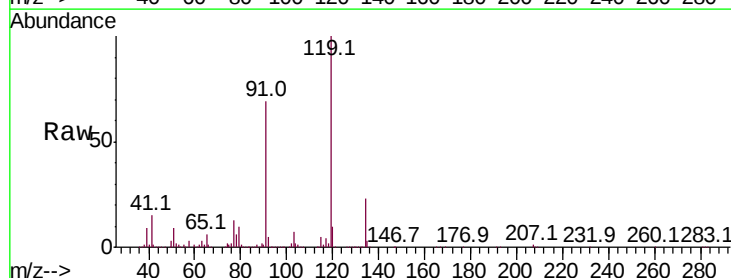
Instrument :
MSVOA_N
ClientSampled :

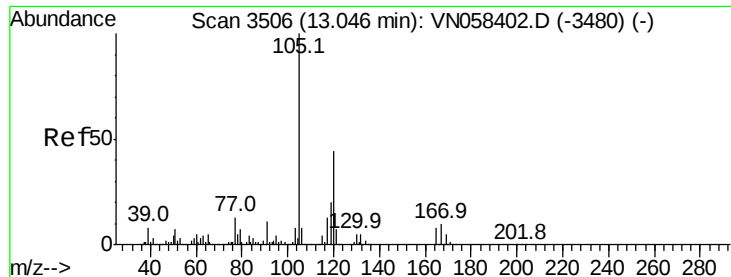
Tot Ion: 91 Resp: 827354
Ion Ratio Lower Upper
91 100
126 32.2 15.9 47.7



#83
tert-Butylbenzene
Concen: 48.641 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 119 Resp: 823782
Ion Ratio Lower Upper
119 100
91 67.9 34.2 102.6
134 23.6 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 49.079 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

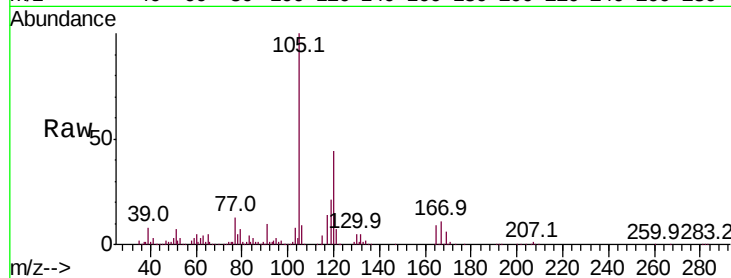
ClientSampled :

Tot Ion:105 Resp: 986920

Ion Ratio Lower Upper

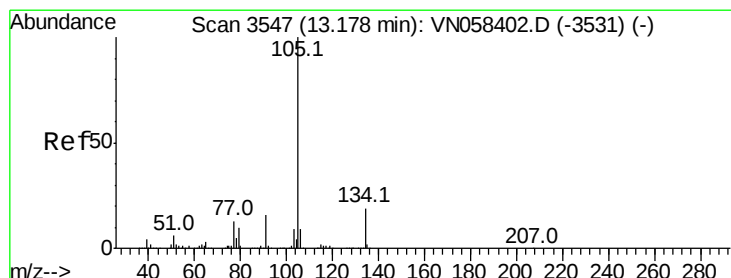
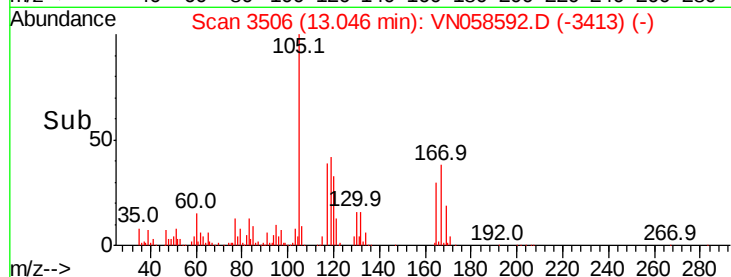
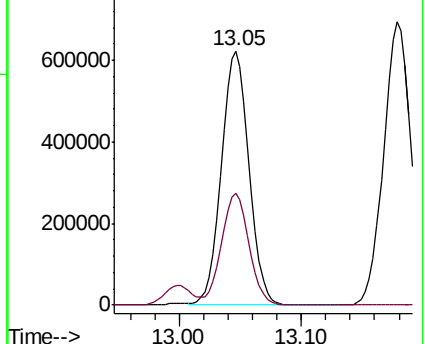
105 100

120 44.0 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 48.853 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058592.D

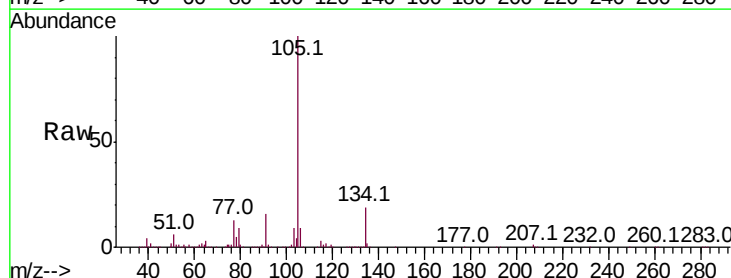
Acq: 8 Oct 2019 00:52

Tgt Ion:105 Resp: 1088980

Ion Ratio Lower Upper

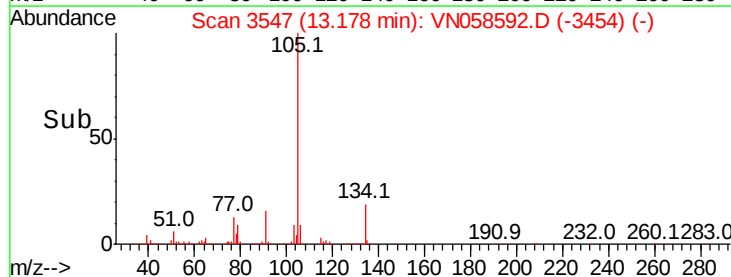
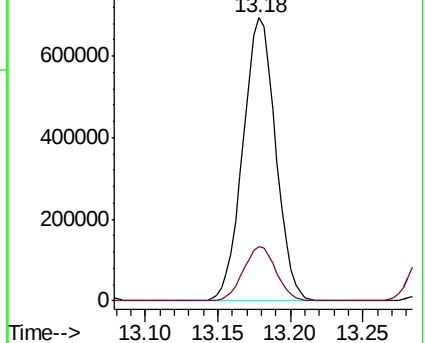
105 100

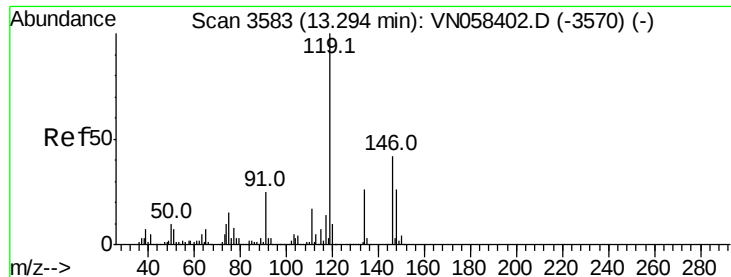
134 19.4 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

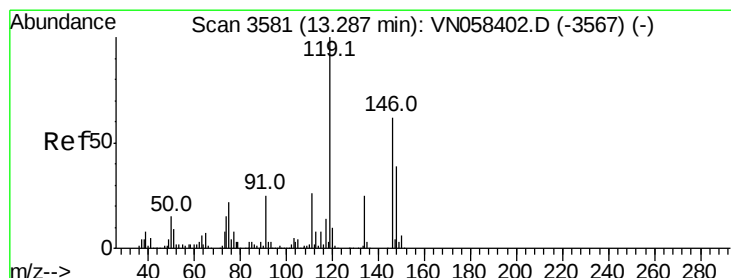
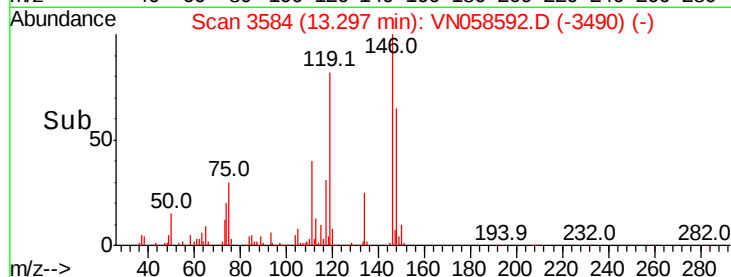
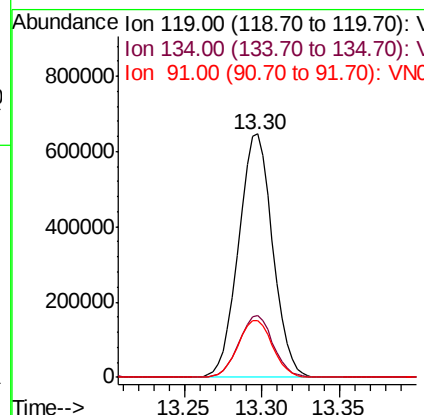
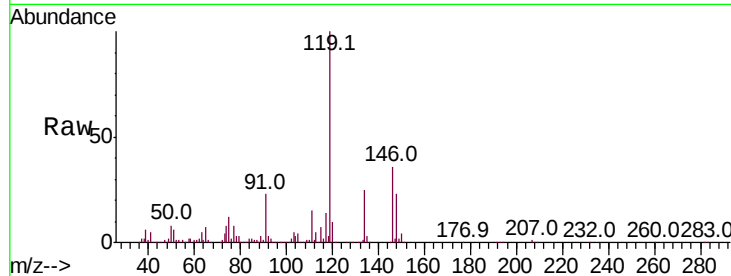




#86
p-Isopropyltoluene
Concen: 50.119 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

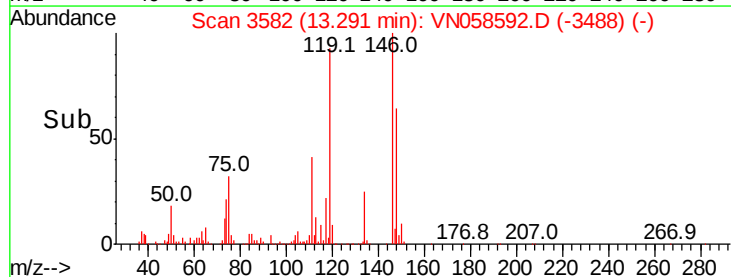
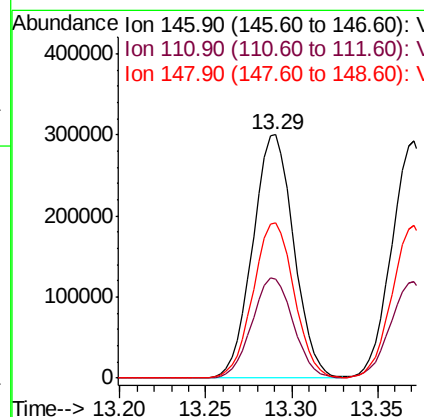
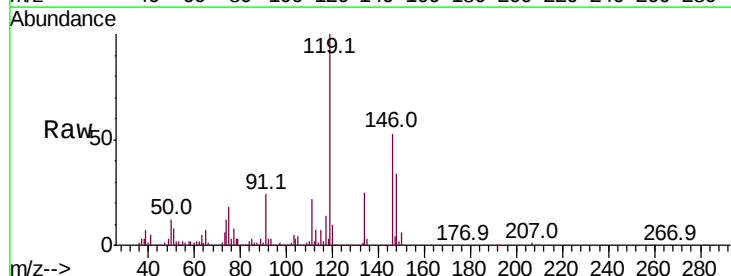
Instrument :
MSVOA_N
ClientSampled :

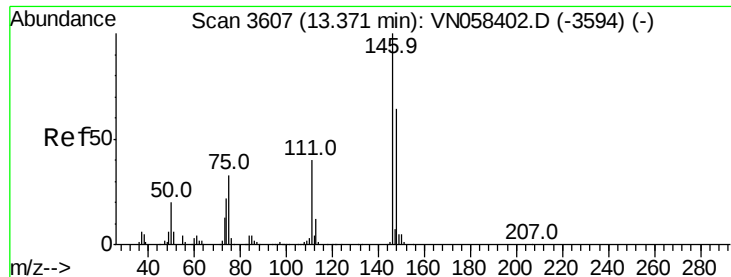
Tot Ion:119 Resp: 983421
Ion Ratio Lower Upper
119 100
134 25.7 13.0 39.0
91 23.8 12.4 37.0



#87
1,3-Dichlorobenzene
Concen: 48.937 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion:146 Resp: 498867
Ion Ratio Lower Upper
146 100
111 41.3 20.8 62.4
148 63.8 31.4 94.3





#88

1,4-Dichlorobenzene

Concen: 48.066 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

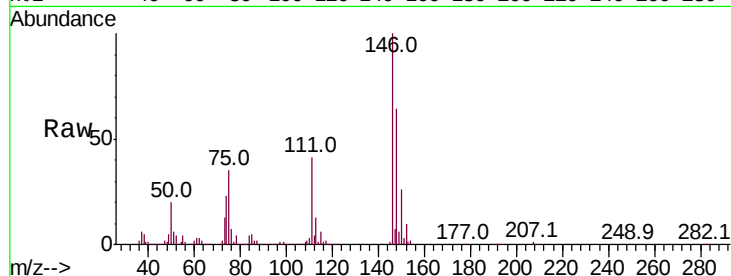
Tot Ion:146 Resp: 487505

Ion Ratio Lower Upper

146 100

111 40.8 20.5 61.6

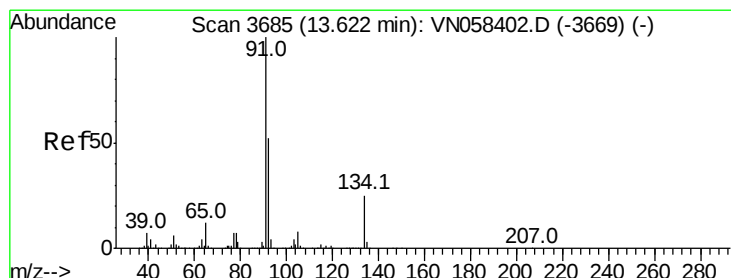
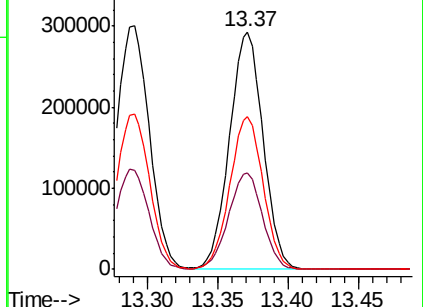
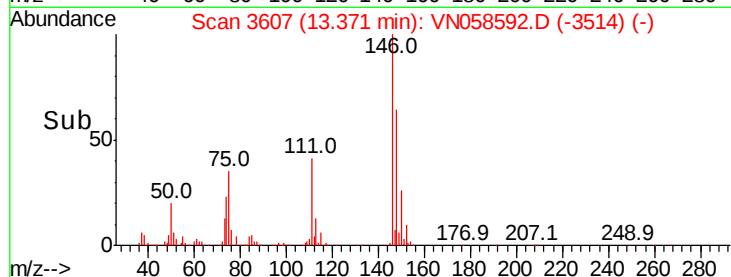
148 64.0 31.5 94.5



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: 48.319 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

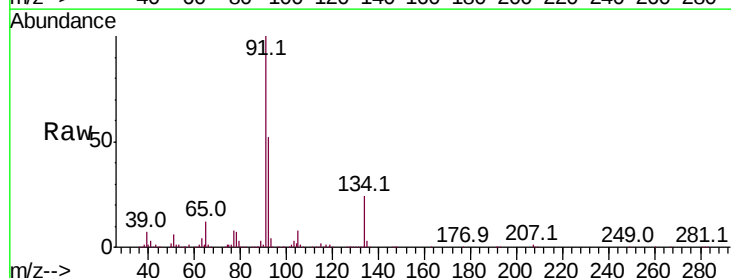
Tgt Ion: 91 Resp: 858830

Ion Ratio Lower Upper

91 100

92 51.9 25.7 77.1

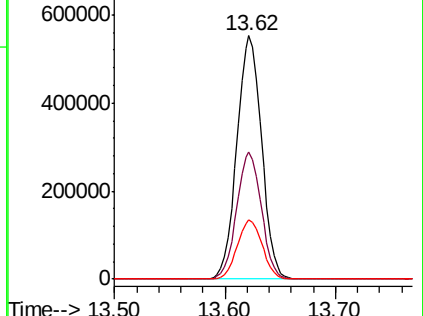
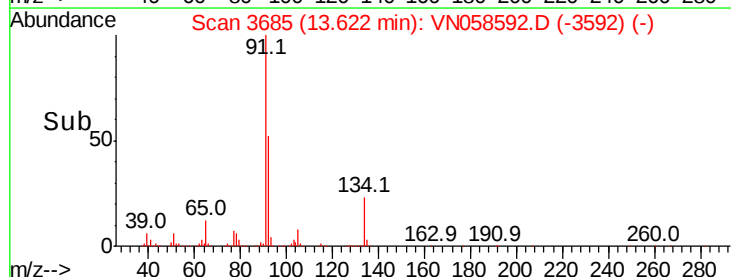
134 24.4 12.2 36.6

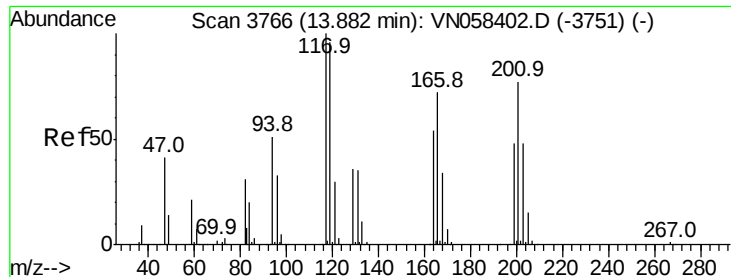


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

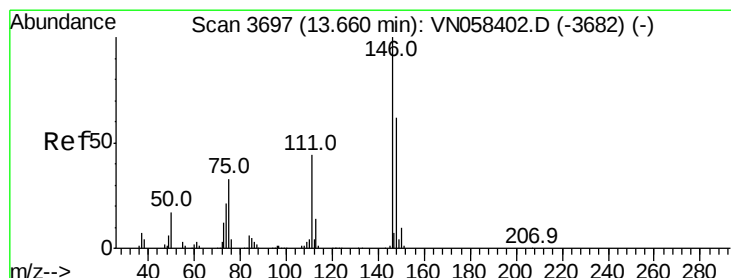
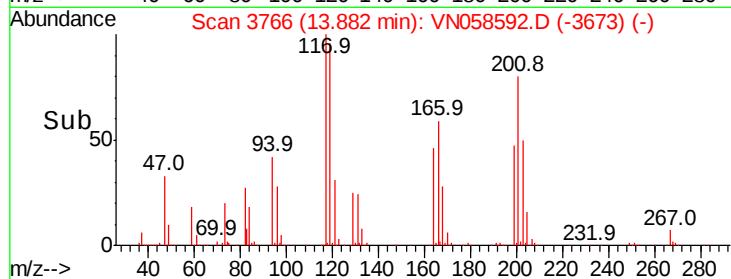
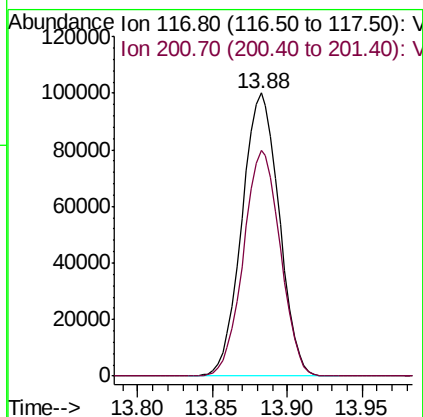
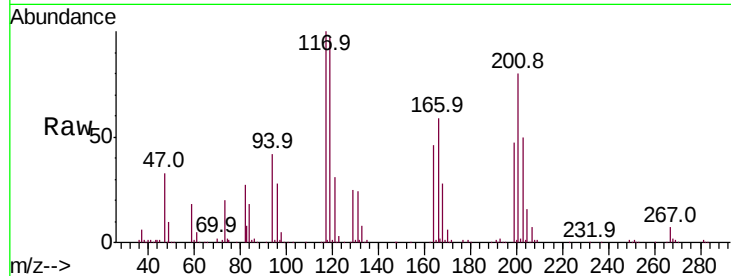




#90
Hexachloroethane
Concen: 58.777 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

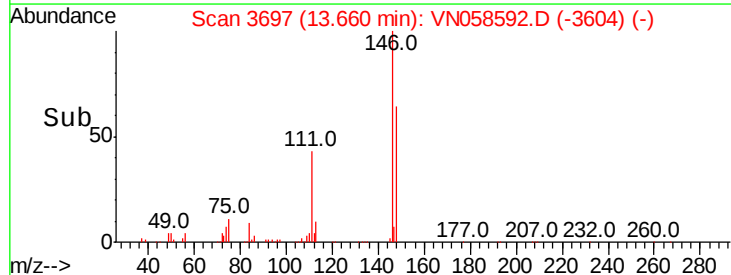
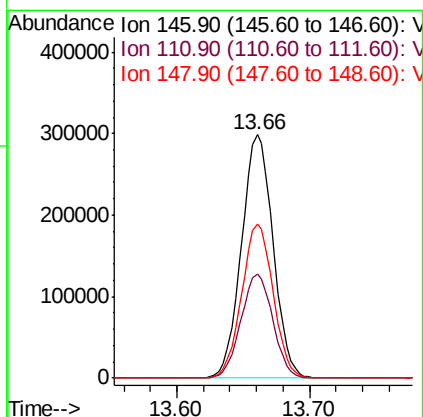
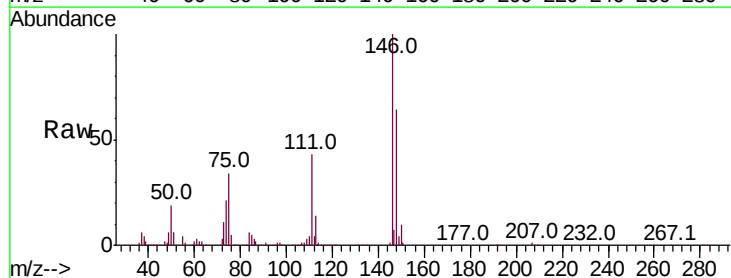
Instrument :
MSVOA_N
ClientSampled :

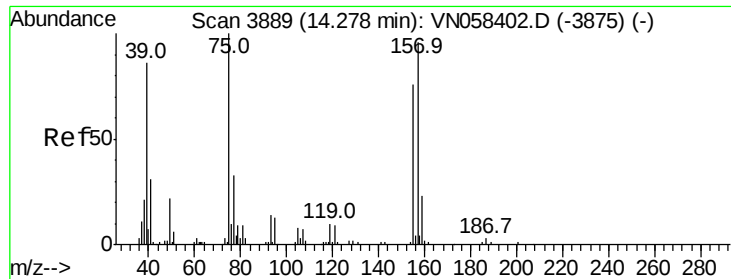
Tot Ion:117 Resp: 173281
Ion Ratio Lower Upper
117 100
201 79.0 38.6 116.0



#91
1,2-Dichlorobenzene
Concen: 50.395 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion:146 Resp: 493610
Ion Ratio Lower Upper
146 100
111 43.1 21.8 65.3
148 63.1 31.5 94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 55.869 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampled :

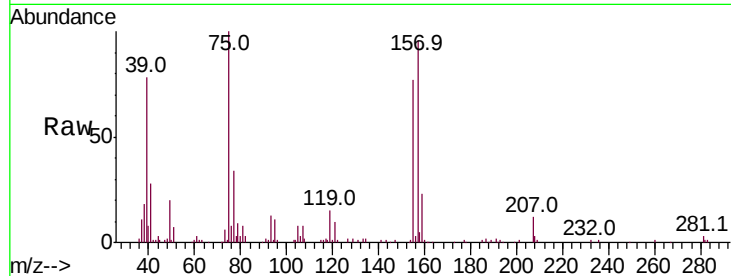
Tot Ion: 75 Resp: 69850

Ion Ratio Lower Upper

75 100

155 75.2 39.2 117.6

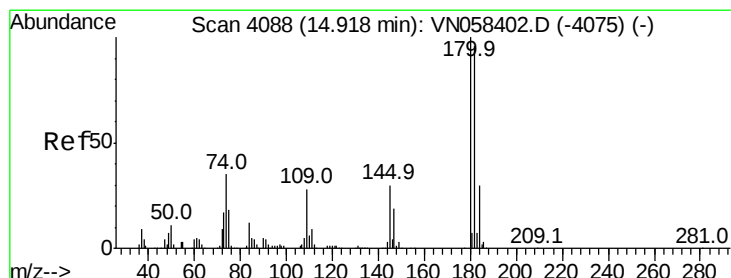
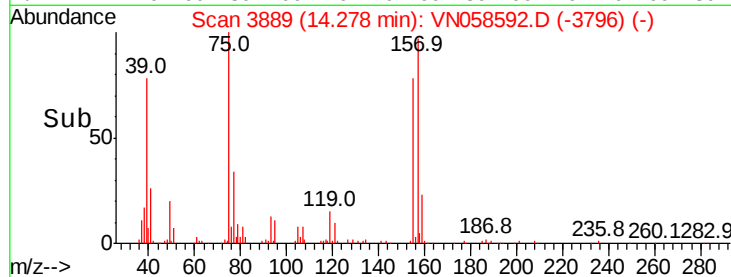
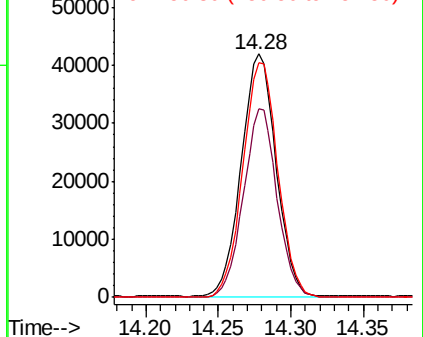
157 97.2 48.7 146.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 53.153 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

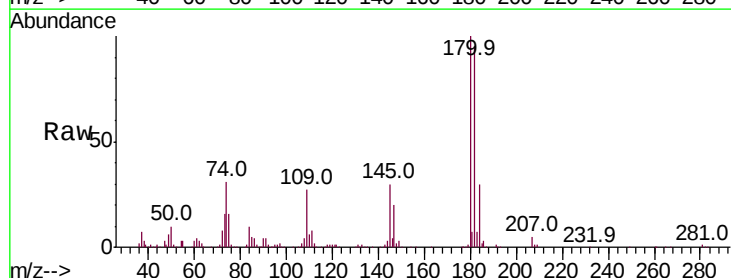
Tgt Ion:180 Resp: 287693

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.3

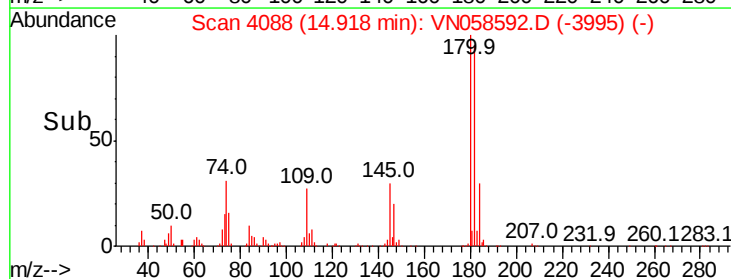
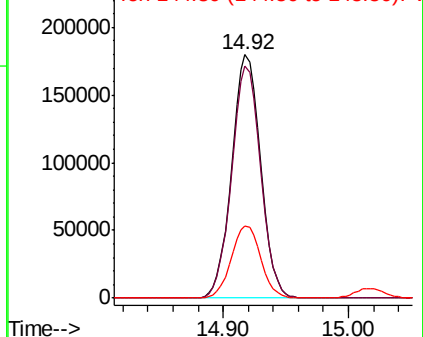
145 30.4 15.3 45.9

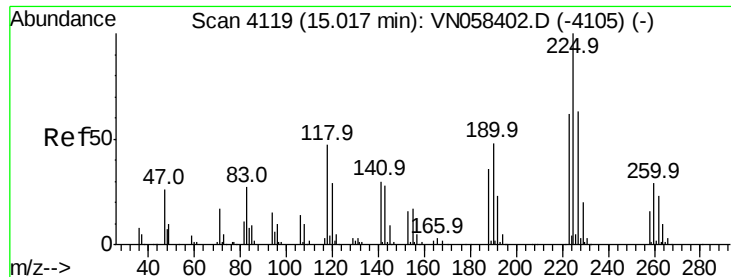


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 47.792 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampled :

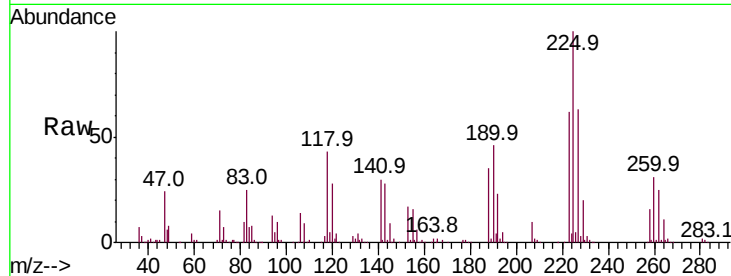
Tot Ion:225 Resp: 132955

Ion Ratio Lower Upper

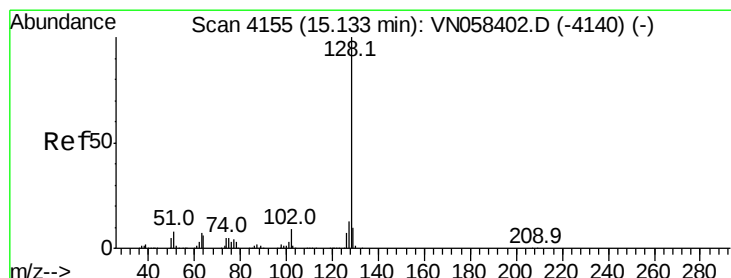
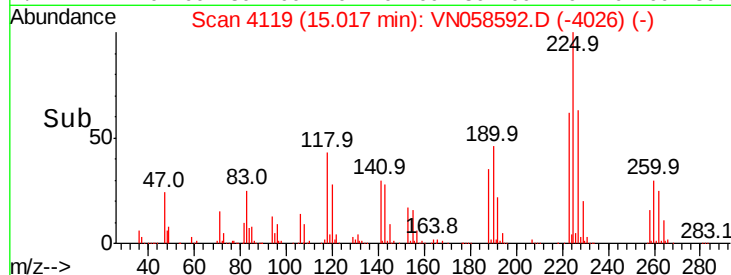
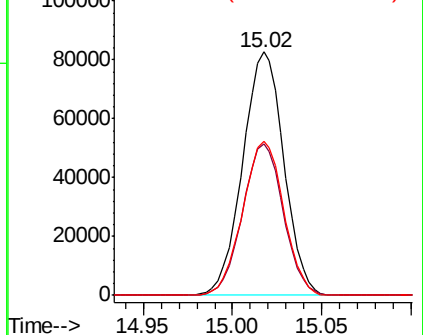
225 100

223 61.8 31.1 93.5

227 63.3 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 49.837 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

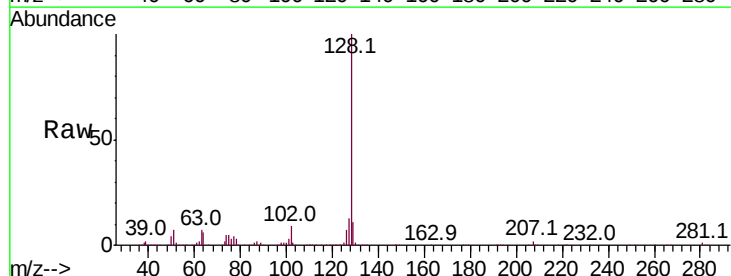
Tgt Ion:128 Resp: 789963

Ion Ratio Lower Upper

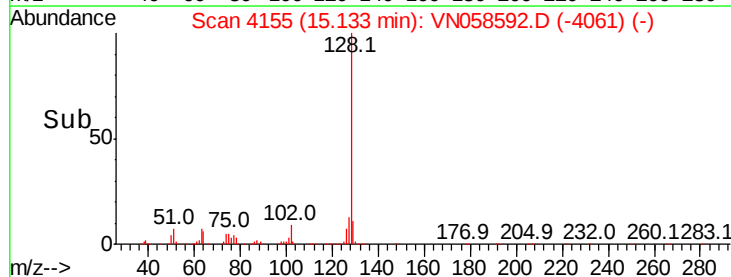
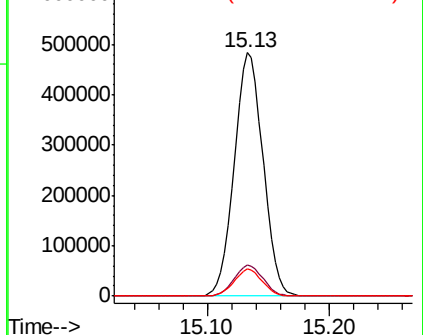
128 100

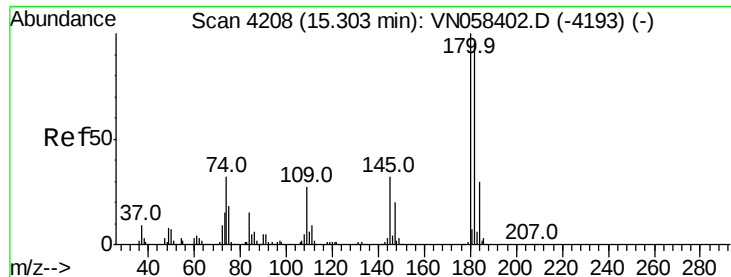
127 12.7 10.2 15.4

129 10.9 8.3 12.5



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

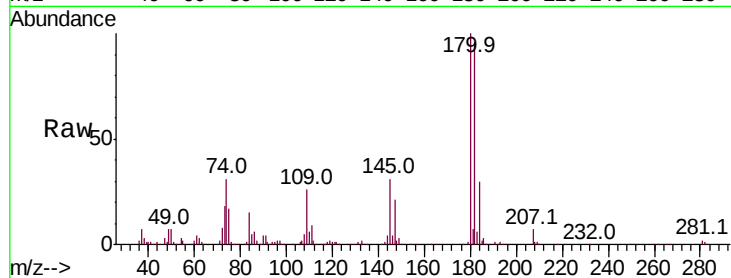




#96
 1,2,3-Trichlorobenzene
 Concen: 49.928 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.3	144.9
145	31.9	16.1	48.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

