

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054782.D
 Acq On : 29 Mar 2019 20:38
 Operator : JC/SP
 Sample : VN0329WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 21:47:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	415160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	611257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	306170	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	7.59	113	235218	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.09	98	879510	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	285847	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	85848	20.443	ug/l	99
3) Chloromethane	2.07	50	122265	21.057	ug/l	99
4) Vinyl Chloride	2.19	62	110602	21.211	ug/l	98
5) Bromomethane	2.58	94	63930	22.133	ug/l	97
6) Chloroethane	2.71	64	60334	20.722	ug/l	98
7) Trichlorofluoromethane	3.02	101	136446	21.285	ug/l	98
8) Diethyl Ether	3.41	74	45964	22.267	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68906	20.419	ug/l	93
10) Methyl Iodide	3.94	142	99346	21.504	ug/l #	88
11) Tert butyl alcohol	4.82	59	37556	128.799	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	69714	21.362	ug/l #	74
13) Acrolein	3.61	56	32607	125.088	ug/l	99
14) Allyl chloride	4.32	41	170629	21.227	ug/l #	87
15) Acrylonitrile	5.00	53	191349	118.064	ug/l	98
16) Acetone	3.82	43	133211	99.816	ug/l #	82
17) Carbon Disulfide	4.04	76	207520	19.606	ug/l	100
18) Methyl Acetate	4.33	43	87768	24.786	ug/l #	87
19) Methyl tert-butyl Ether	5.06	73	259829	22.761	ug/l	94
20) Methylene Chloride	4.55	84	100237	21.293	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	92754	21.639	ug/l	86
22) Diisopropyl ether	5.96	45	355564	22.365	ug/l #	92
23) Vinyl Acetate	5.90	43	1252824	113.238	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	185805	21.909	ug/l	98
25) 2-Butanone	6.85	43	236847	120.060	ug/l #	85
26) 2,2-Dichloropropane	6.82	77	110901	18.658	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	106664	22.028	ug/l	89
28) Bromochloromethane	7.20	49	99401	23.440	ug/l #	70
29) Tetrahydrofuran	7.22	42	160418	117.080	ug/l #	85
30) Chloroform	7.37	83	180743	22.351	ug/l	97
31) Cyclohexane	7.65	56	174558	21.411	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	147116	21.952	ug/l	95
36) 1,1-Dichloropropene	7.79	75	131022	19.726	ug/l	95
37) Ethyl Acetate	6.94	43	106216	21.806	ug/l #	96
38) Carbon Tetrachloride	7.77	117	126314	19.579	ug/l	98

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Quant Time: Mar 30 21:47:00 2019
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 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	142142	19.465	ug/l	88
40) Benzene	8.04	78	401568	21.129	ug/l	100
41) Methacrylonitrile	7.18	41	55386	20.242	ug/l	93
42) 1,2-Dichloroethane	8.13	62	144751	21.330	ug/l	97
43) Isopropyl Acetate	8.17	43	177289	22.400	ug/l #	94
44) Trichloroethene	8.83	130	101778	20.629	ug/l	93
45) 1,2-Dichloropropane	9.12	63	113887	21.015	ug/l	96
46) Dibromomethane	9.21	93	65538	21.498	ug/l	87
47) Bromodichloromethane	9.41	83	133133	21.012	ug/l	92
48) Methyl methacrylate	9.20	41	88057	20.525	ug/l	89
49) 1,4-Dioxane	9.20	88	20850	489.791	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	513036	115.295	ug/l	91
52) Toluene	10.16	92	237432	20.994	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	119535	20.056	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	145772	20.475	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	88835	21.125	ug/l	95
56) Ethyl methacrylate	10.43	69	118177	21.423	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	158231	21.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	222838	100.248	ug/l	89
59) 2-Hexanone	10.75	43	314988	110.578	ug/l	90
60) Dibromochloromethane	10.90	129	89531	21.018	ug/l	100
61) 1,2-Dibromoethane	11.01	107	85606	21.302	ug/l	99
64) Tetrachloroethene	10.63	164	100684	21.465	ug/l	96
65) Chlorobenzene	11.43	112	248353	20.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	92055	20.550	ug/l	99
67) Ethyl Benzene	11.51	91	442668	20.497	ug/l	95
68) m/p-Xylenes	11.62	106	322126	40.306	ug/l	94
69) o-Xylene	11.95	106	156666	19.991	ug/l	92
70) Styrene	11.97	104	260799	20.813	ug/l	97
71) Bromoform	12.13	173	53253	20.293	ug/l #	98
73) Isopropylbenzene	12.25	105	418897	20.417	ug/l	99
74) N-amyl acetate	12.07	43	137353	21.489	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	108479	23.062	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127500	29.238	ug/l #	100
77) Bromobenzene	12.53	156	101563	20.511	ug/l	84
78) n-propylbenzene	12.59	91	457832	20.303	ug/l	96
79) 2-Chlorotoluene	12.67	91	282534	20.252	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	343086	20.379	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20881	18.626	ug/l #	79
82) 4-Chlorotoluene	12.77	91	272327	20.097	ug/l	95
83) tert-Butylbenzene	12.99	119	295684	21.478	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	336995	21.011	ug/l	97
85) sec-Butylbenzene	13.17	105	368220	20.135	ug/l	97
86) p-Isopropyltoluene	13.29	119	325839	20.201	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	164852	19.885	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159546	19.622	ug/l	97
89) n-Butylbenzene	13.62	91	248131	18.855	ug/l	97
90) Hexachloroethane	13.88	117	50791	18.546	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	167055	19.966	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15141	21.587	ug/l	84

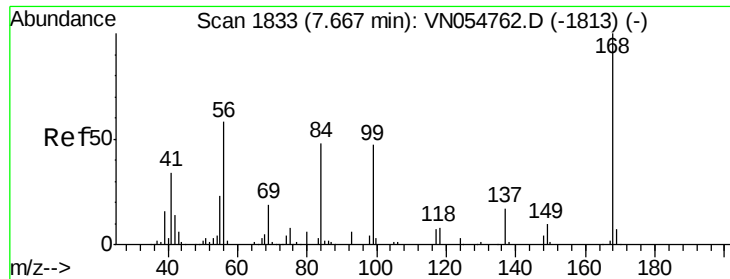
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	70892	17.575	ug/l	98
94) Hexachlorobutadiene	15.01	225	48149	18.845	ug/l	97
95) Naphthalene	15.13	128	170114	18.804	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	76312	18.733	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

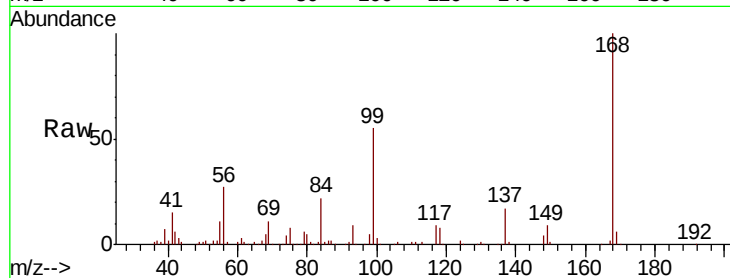
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 415160

Ion Ratio Lower Upper

168 100

99 54.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

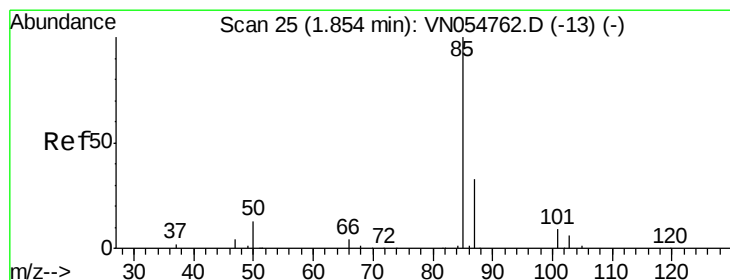
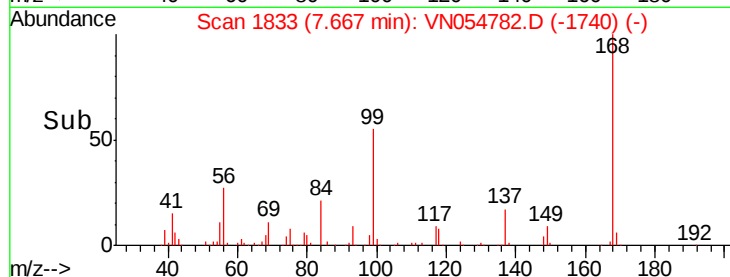
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.443 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054782.D

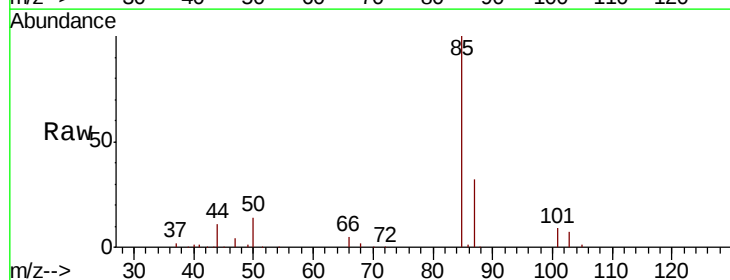
Acq: 29 Mar 2019 20:38

Tgt Ion: 85 Resp: 85848

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

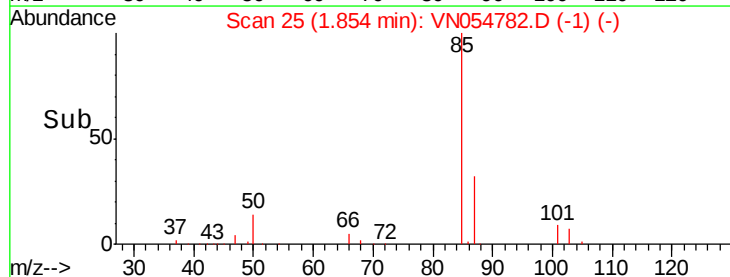
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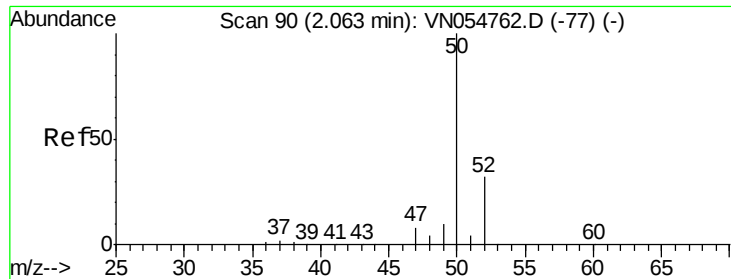
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.057 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

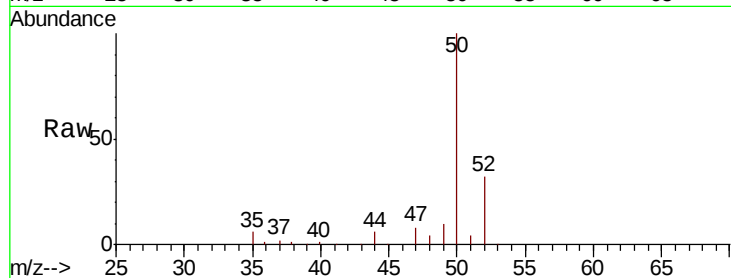
ClientSampled :

Tot Ion: 50 Resp: 122265

Ion Ratio Lower Upper

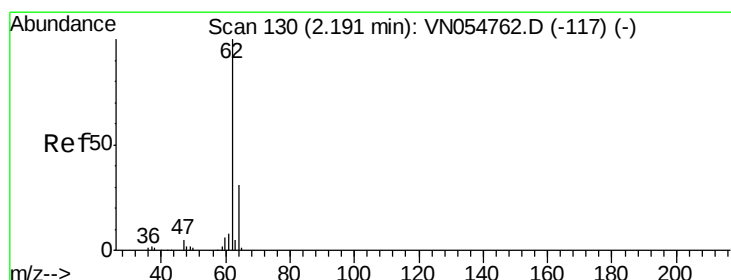
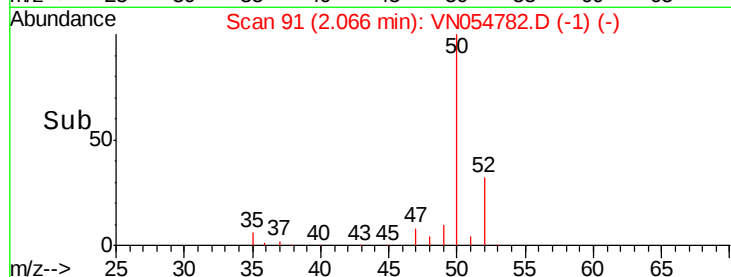
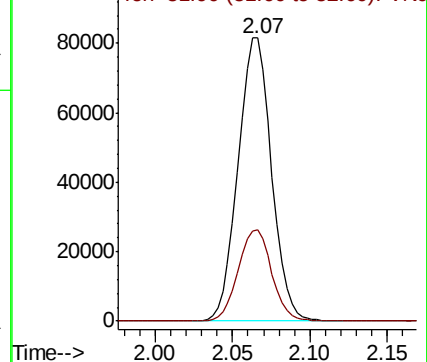
50 100

52 32.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 21.211 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054782.D

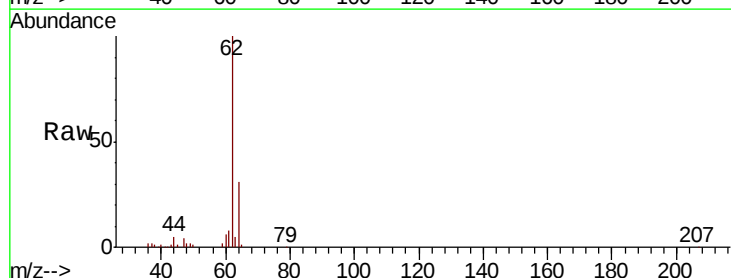
Acq: 29 Mar 2019 20:38

Tgt Ion: 62 Resp: 110602

Ion Ratio Lower Upper

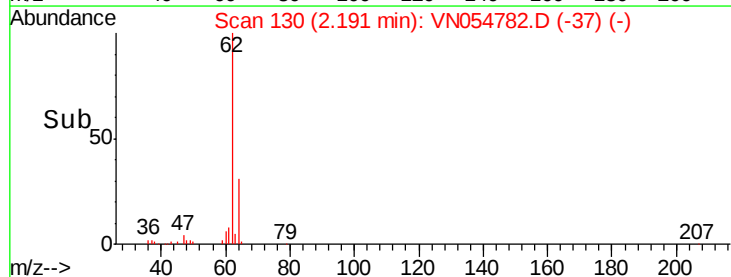
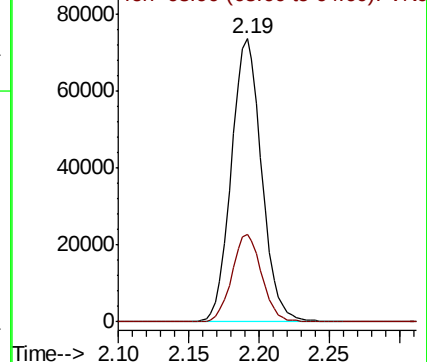
62 100

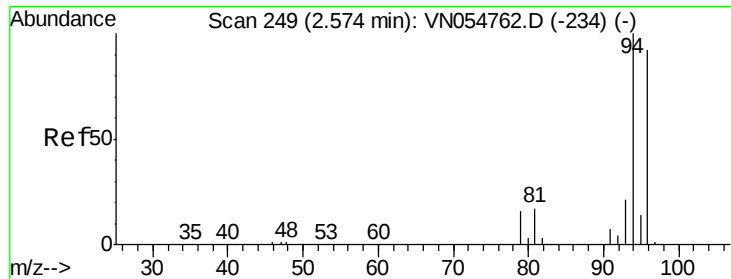
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

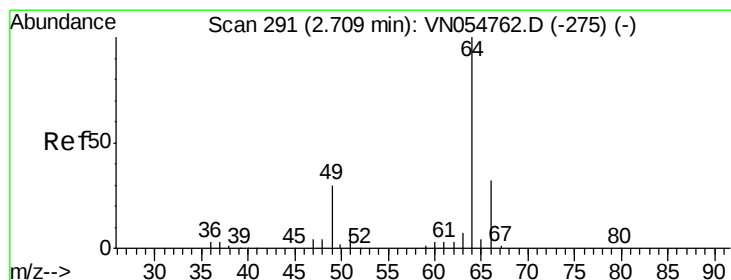
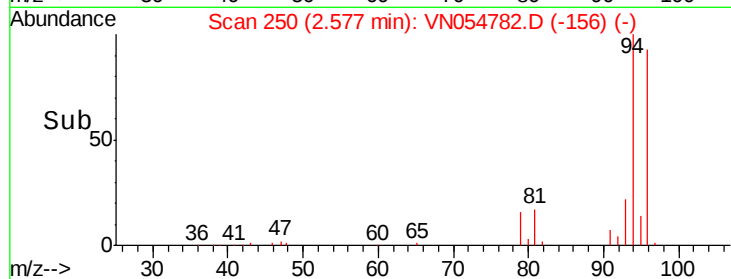
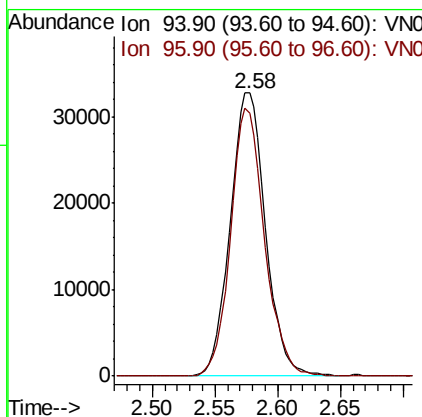
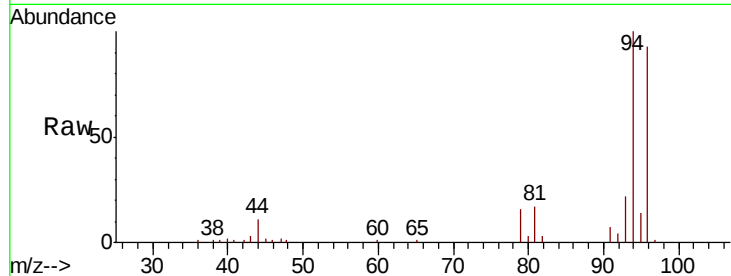




#5
Bromomethane
Concen: 22.133 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

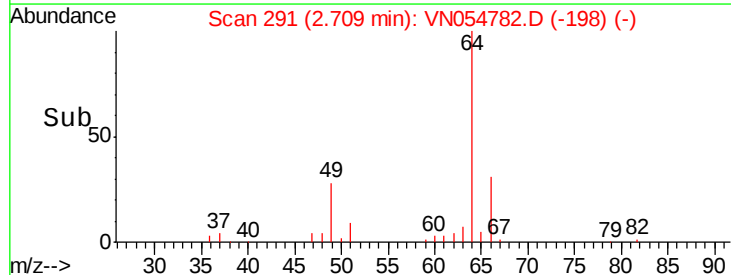
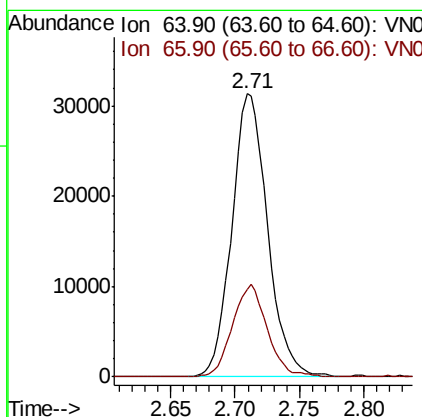
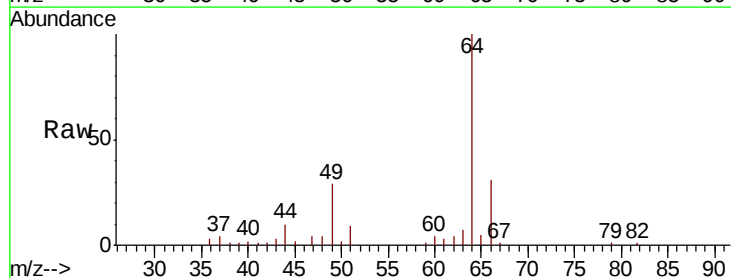
Instrument :
MSVOA_N
ClientSampled :

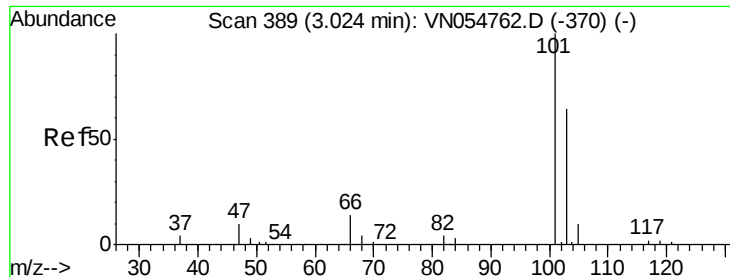
Tot Ion: 94 Resp: 63930
Ion Ratio Lower Upper
94 100
96 92.9 77.0 115.4



#6
Chloroethane
Concen: 20.722 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 64 Resp: 60334
Ion Ratio Lower Upper
64 100
66 31.1 25.7 38.5



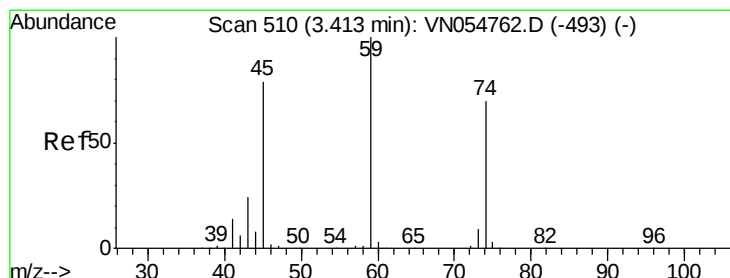
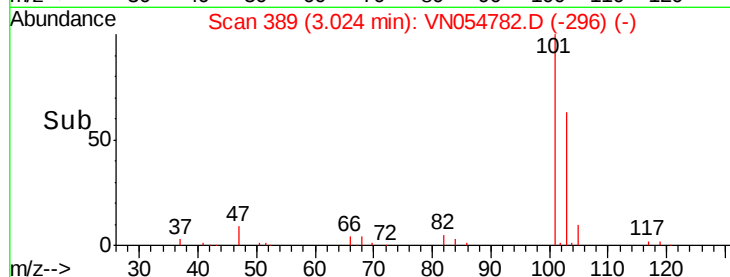
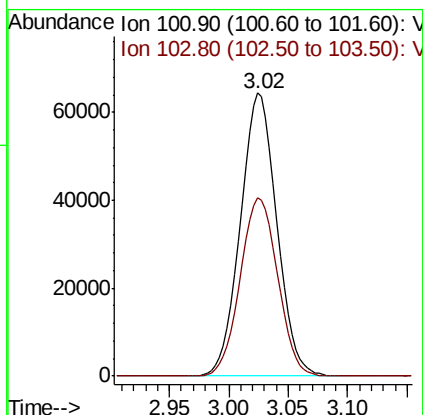
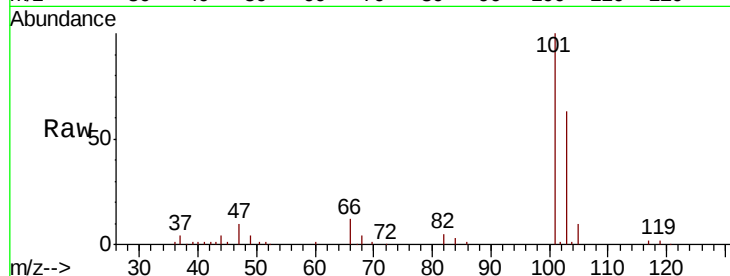


#7

Trichlorofluoromethane
Concen: 21.285 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :

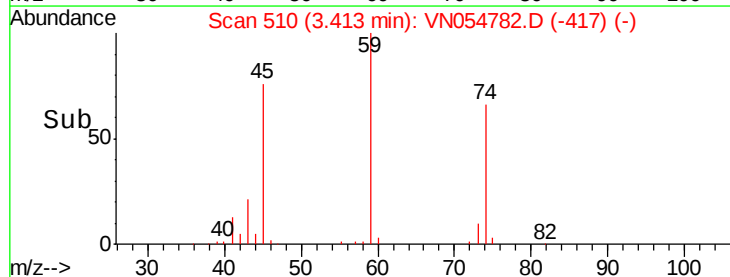
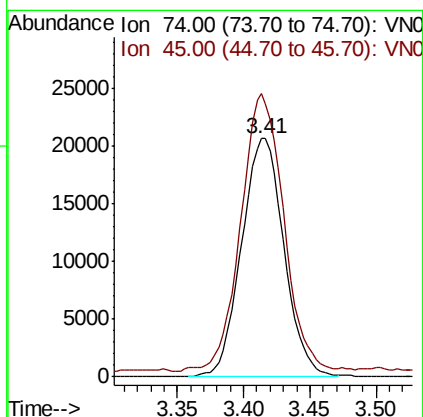
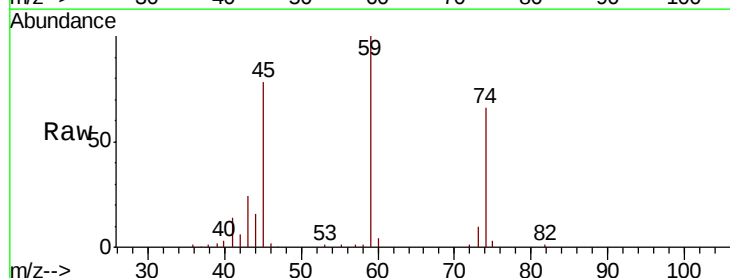
Tot Ion:101 Resp: 136446
Ion Ratio Lower Upper
101 100
103 63.0 51.4 77.2

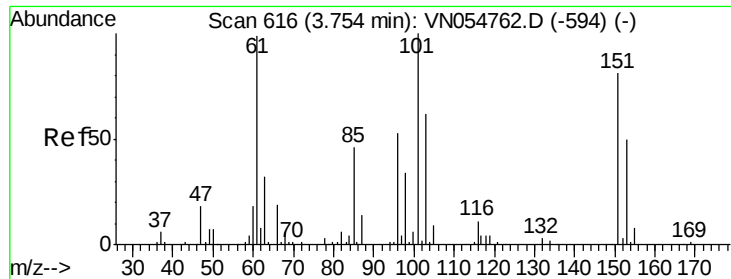


#8

Diethyl Ether
Concen: 22.267 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 74 Resp: 45964
Ion Ratio Lower Upper
74 100
45 117.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.419 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

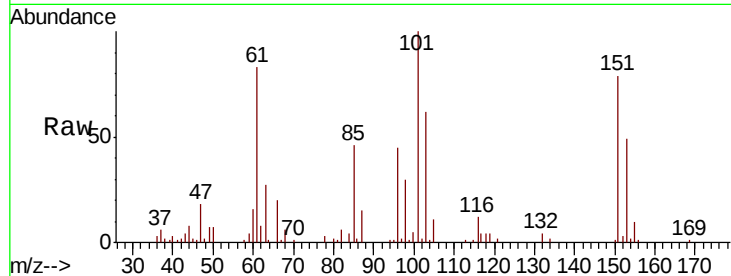
Tot Ion:101 Resp: 68906

Ion Ratio Lower Upper

101 100

85 46.5 32.4 48.6

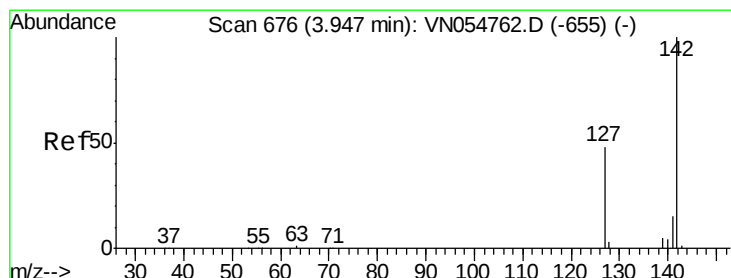
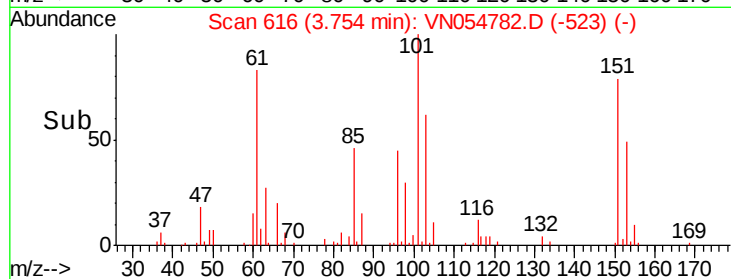
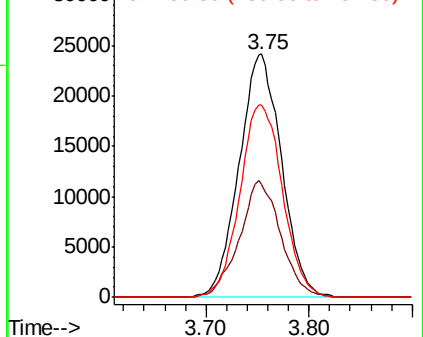
151 79.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.504 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

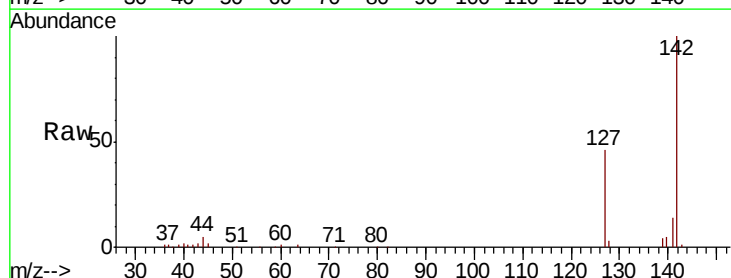
Tgt Ion:142 Resp: 99346

Ion Ratio Lower Upper

142 100

127 47.8 30.3 45.5#

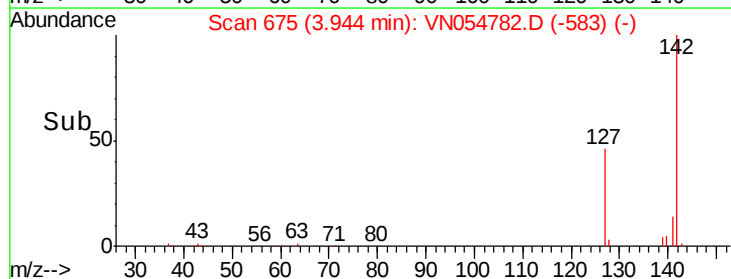
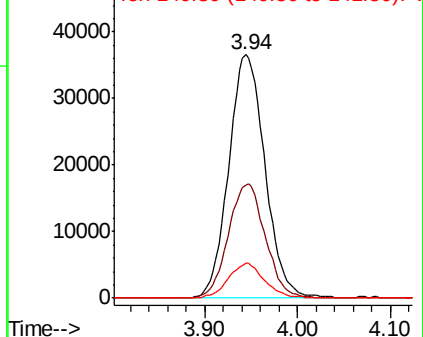
141 14.2 11.2 16.8

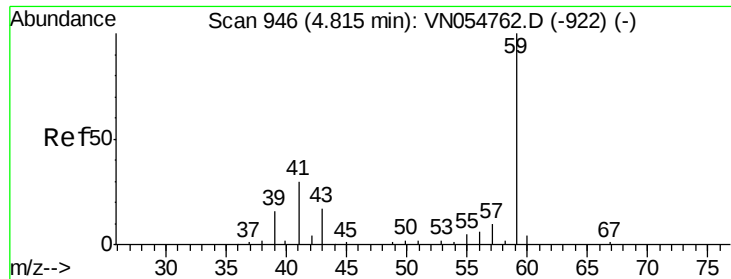


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

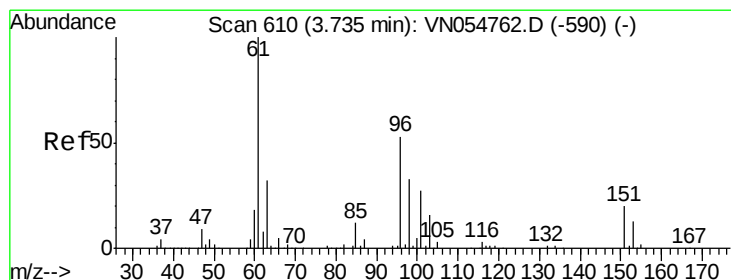
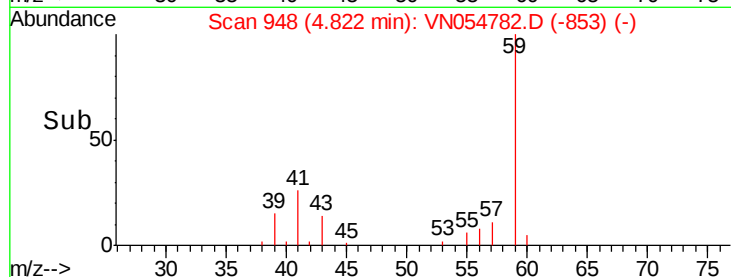
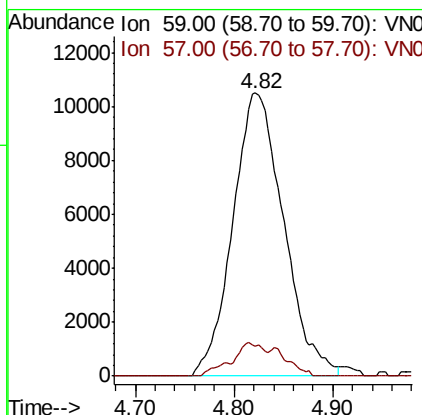
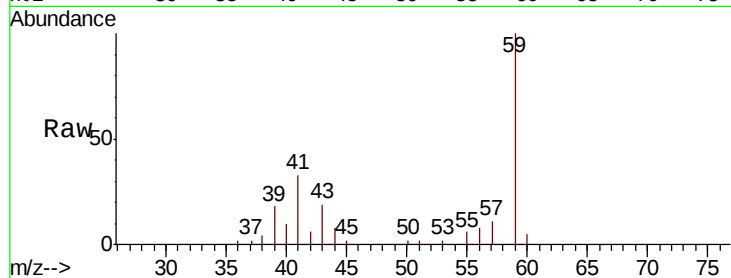




#11
Tert butyl alcohol
Concen: 128.799 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

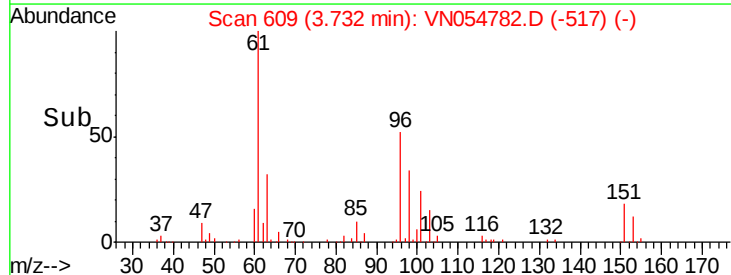
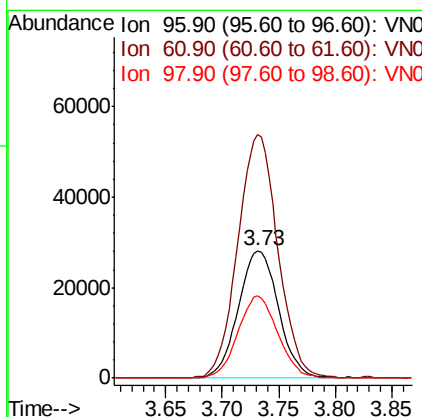
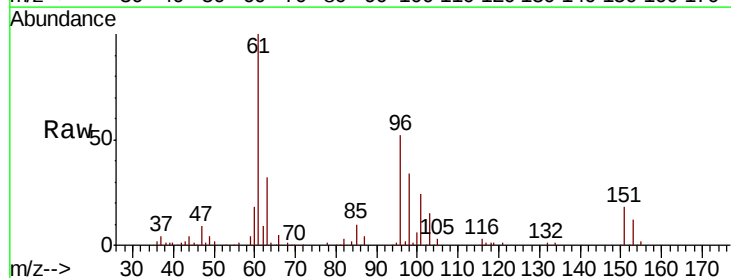
Instrument :
MSVOA_N
ClientSampled :

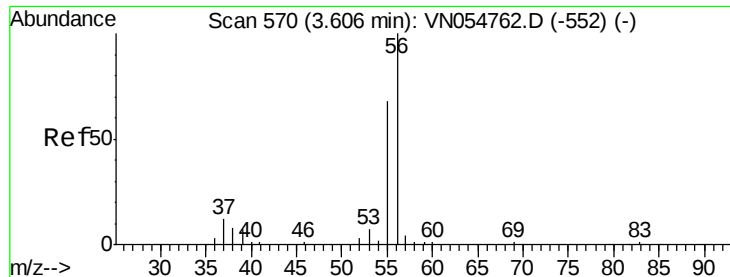
Tot Ion: 59 Resp: 37556
Ion Ratio Lower Upper
59 100
57 7.7 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 21.362 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 96 Resp: 69714
Ion Ratio Lower Upper
96 100
61 191.2 116.5 174.7#
98 64.5 51.0 76.4





#13

Acrolein

Concen: 125.088 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

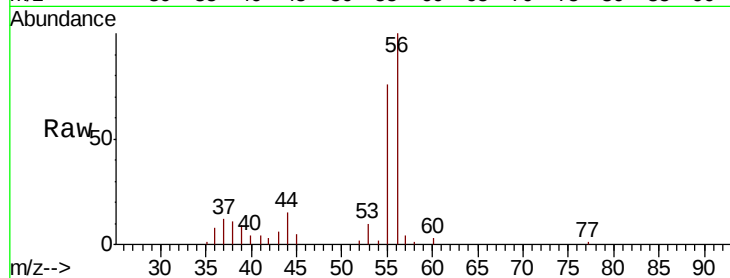
ClientSampleId :

Tot Ion: 56 Resp: 32607

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

15000

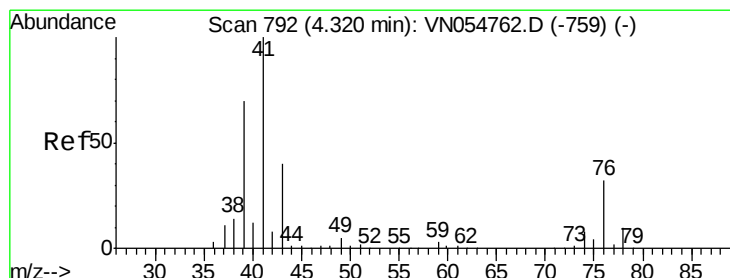
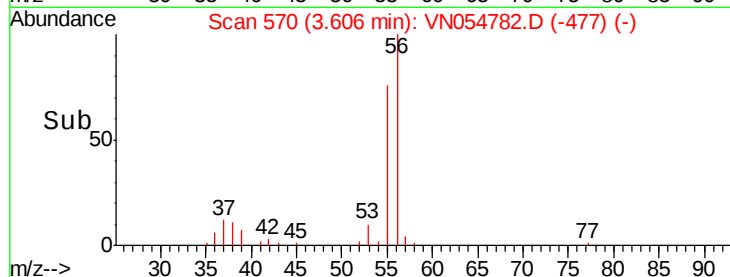
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 21.227 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

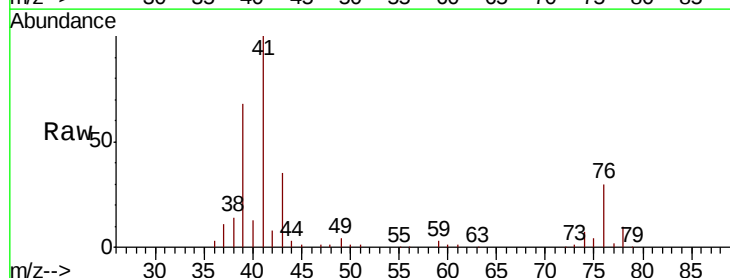
Tgt Ion: 41 Resp: 170629

Ion Ratio Lower Upper

41 100

39 65.1 58.2 87.4

76 27.3 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

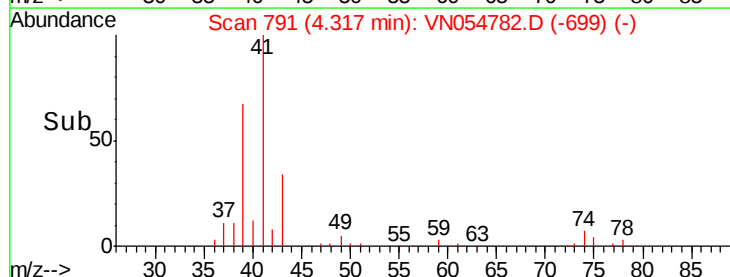
40000

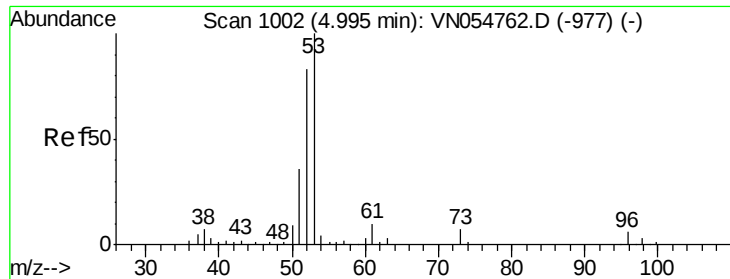
20000

0

Time-->

4.20 4.30 4.40

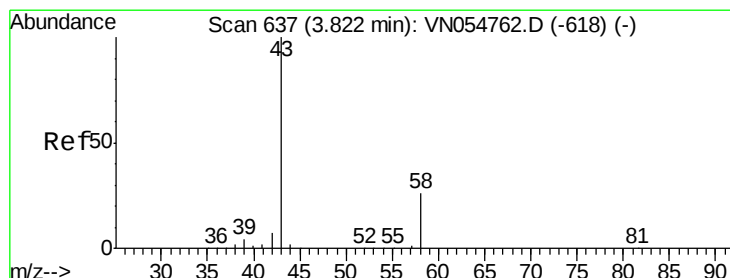
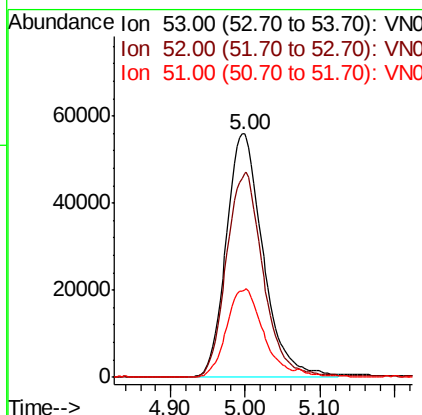
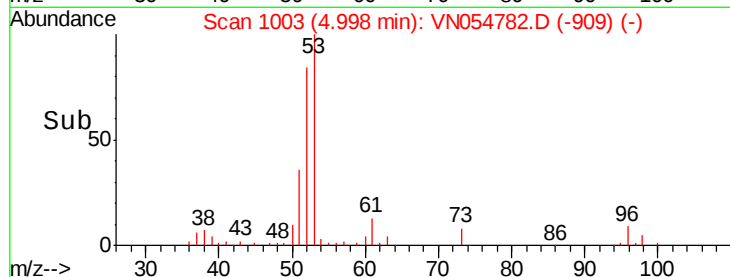
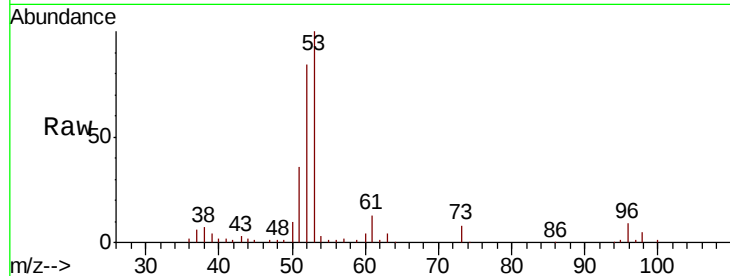




#15
 Acrylonitrile
 Concen: 118.064 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

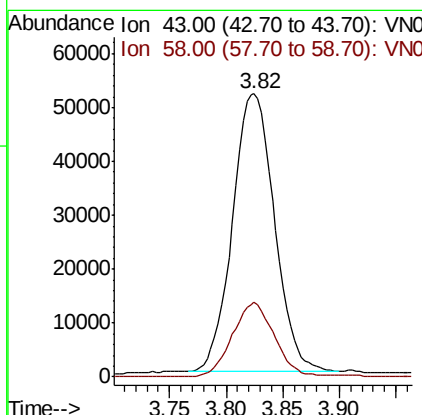
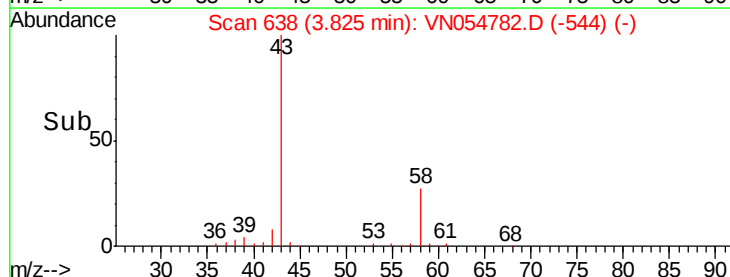
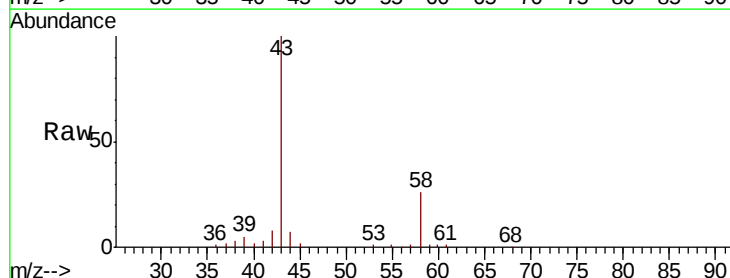
Instrument :
 MSVOA_N
 ClientSampleId :

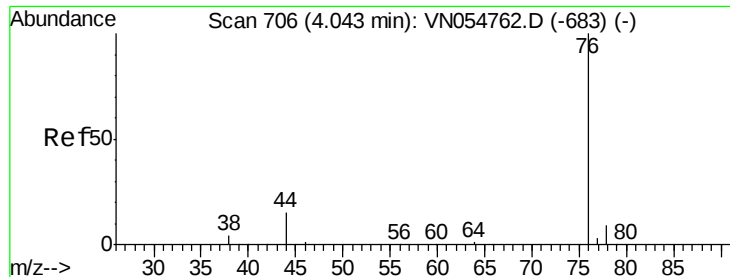
Tot Ion: 53 Resp: 191349
 Ion Ratio Lower Upper
 53 100
 52 84.3 66.4 99.6
 51 35.7 29.6 44.4



#16
 Acetone
 Concen: 99.816 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion: 43 Resp: 133211
 Ion Ratio Lower Upper
 43 100
 58 26.7 29.9 44.9#





#17

Carbon Disulfide

Concen: 19.606 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

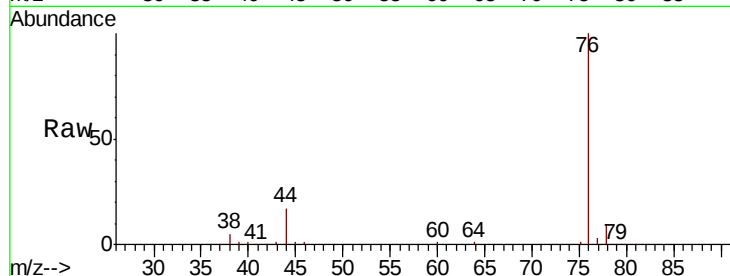
ClientSampleId :

Tot Ion: 76 Resp: 207520

Ion Ratio Lower Upper

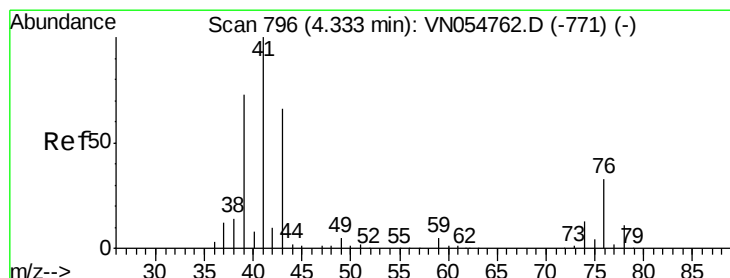
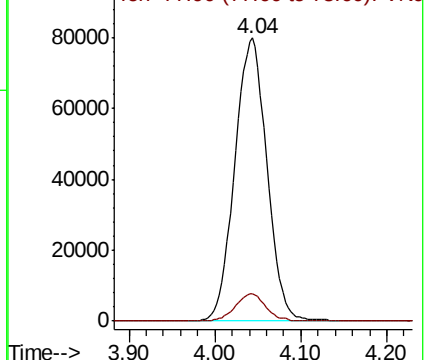
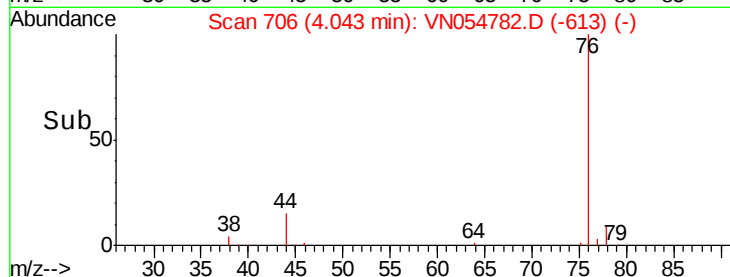
76 100

78 9.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.786 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054782.D

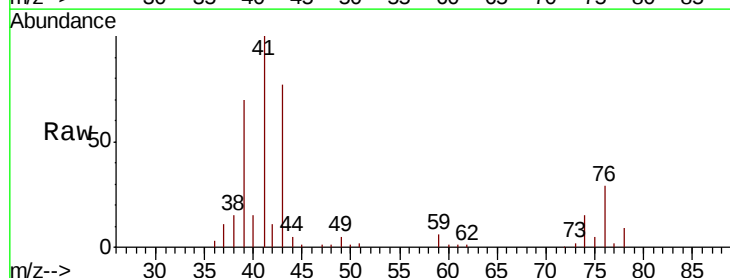
Acq: 29 Mar 2019 20:38

Tgt Ion: 43 Resp: 87768

Ion Ratio Lower Upper

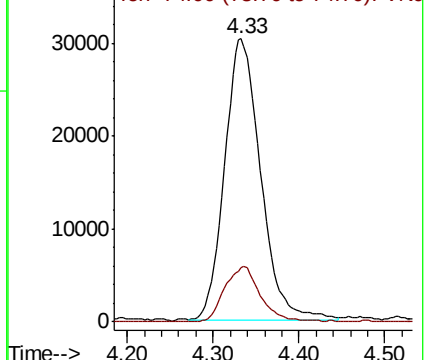
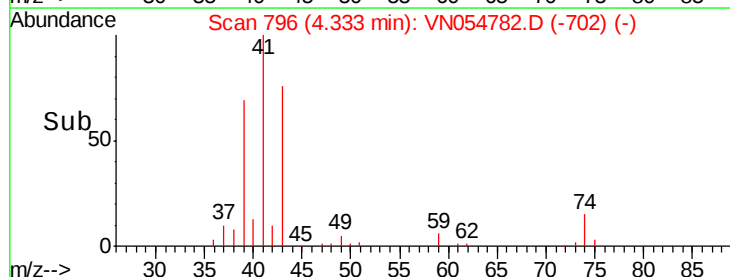
43 100

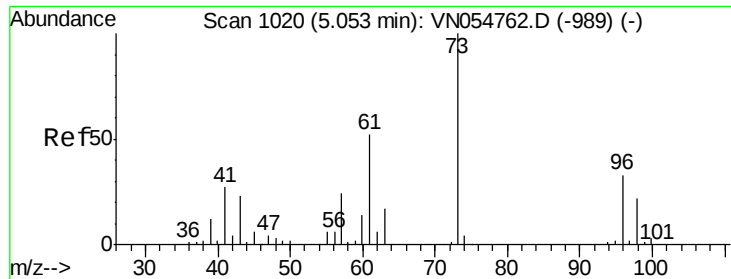
74 19.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

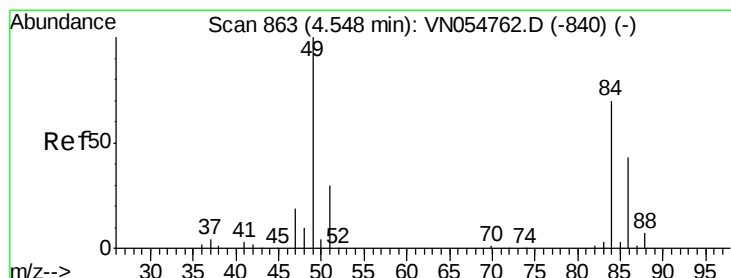
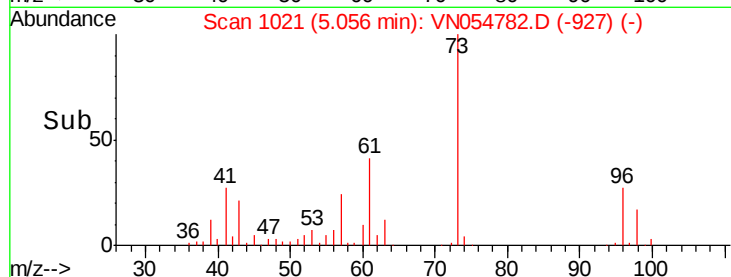
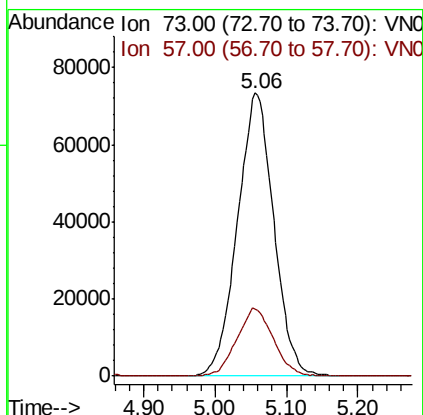
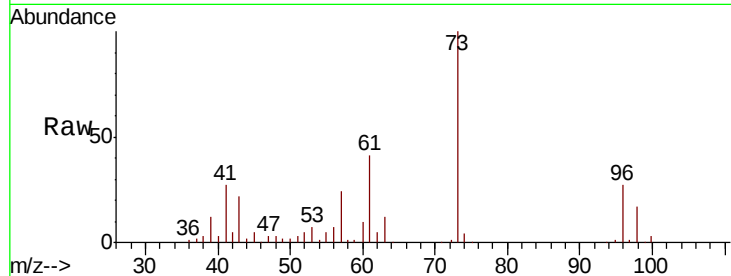




#19
Methvl tert-butvl Ether
Concen: 22.761 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

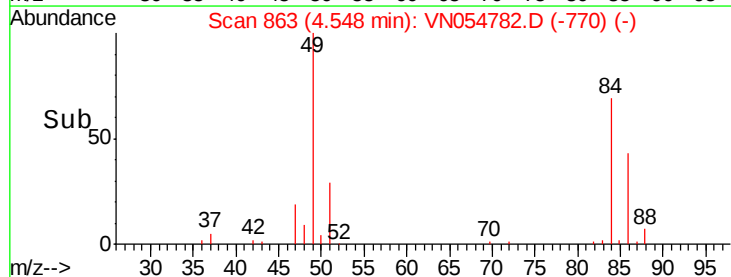
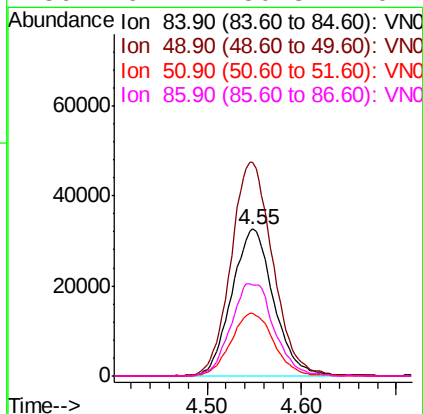
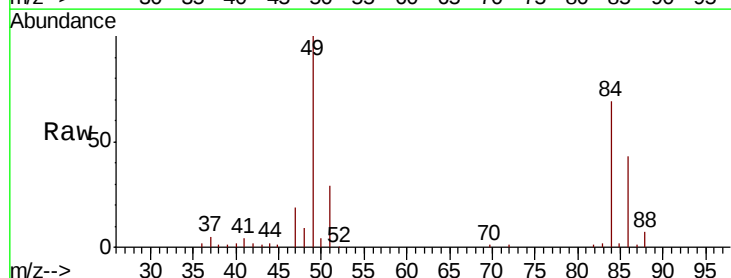
Instrument :
MSVOA_N
ClientSampleId :

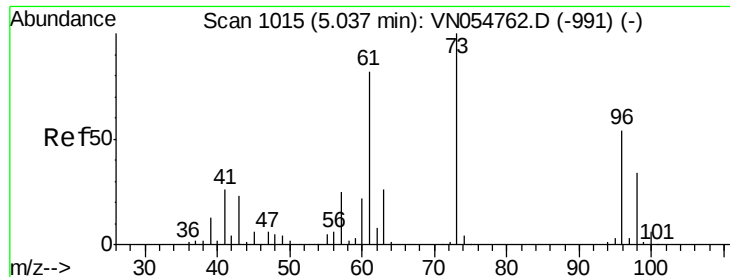
Tot Ion: 73 Resp: 259829
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2



#20
Methylene Chloride
Concen: 21.293 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 84 Resp: 100237
Ion Ratio Lower Upper
84 100
49 144.5 89.7 134.5#
51 42.3 28.2 42.4
86 62.1 50.8 76.2

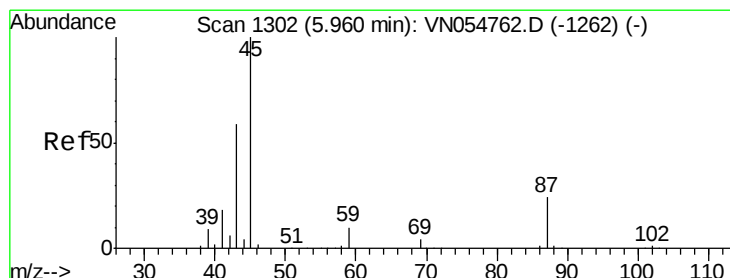
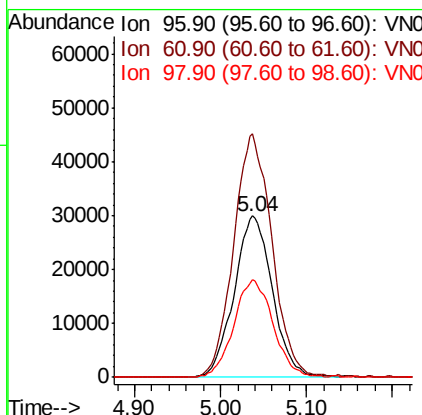
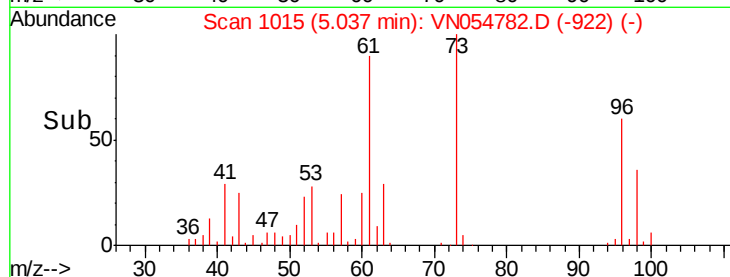
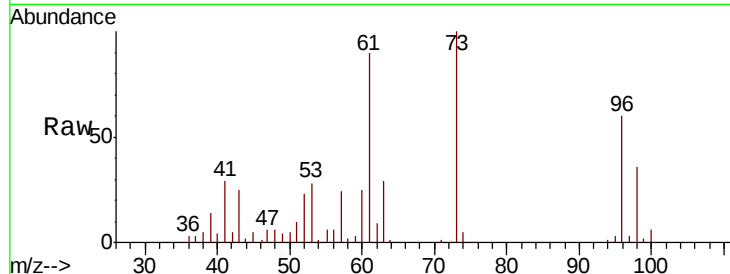




#21
trans-1,2-Dichloroethene
Concen: 21.639 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

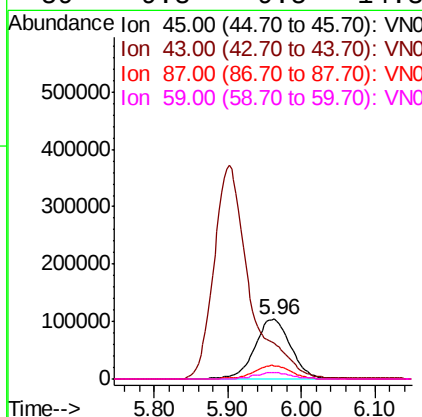
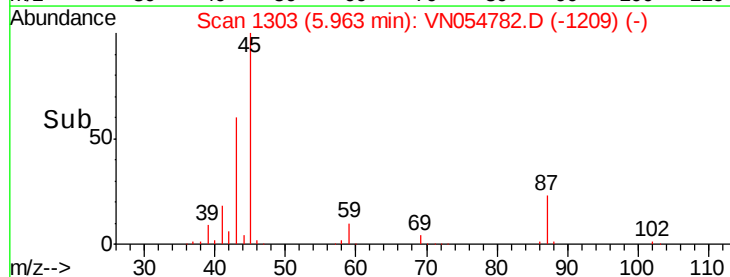
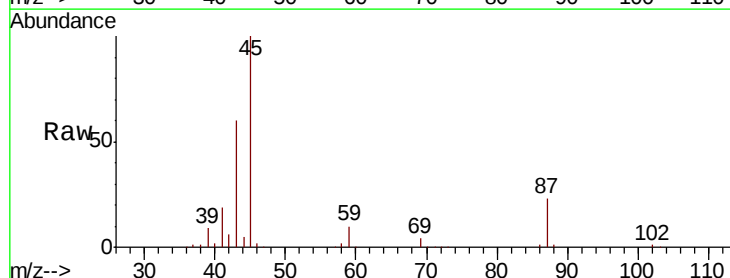
Instrument :
MSVOA_N
ClientSampleId :

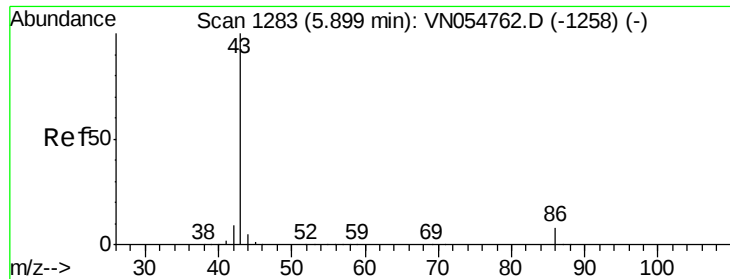
Tot Ion: 96 Resp: 92754
Ion Ratio Lower Upper
96 100
61 150.8 102.8 154.2
98 60.4 50.0 75.0



#22
Diisopropyl ether
Concen: 22.365 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 45 Resp: 355564
Ion Ratio Lower Upper
45 100
43 57.1 48.2 72.2
87 22.2 24.9 37.3#
59 9.8 9.5 14.3

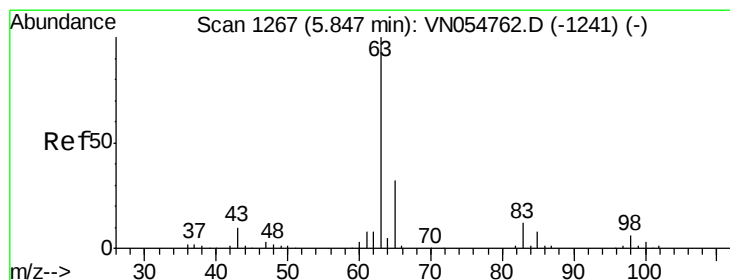
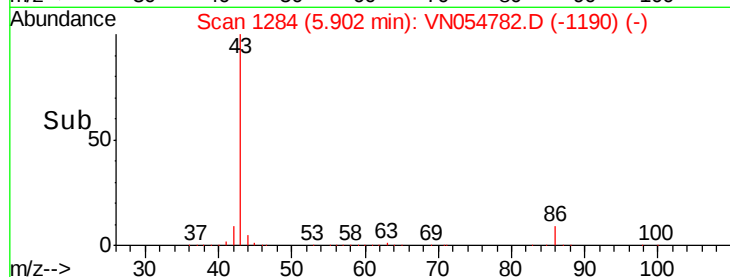
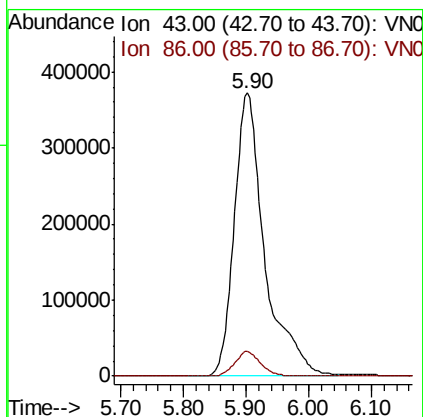
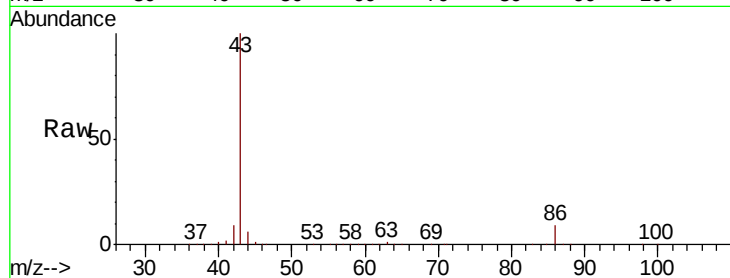




#23
 Vinyl Acetate
 Concen: 113.238 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

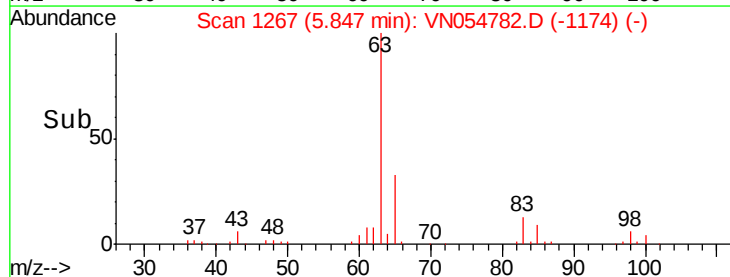
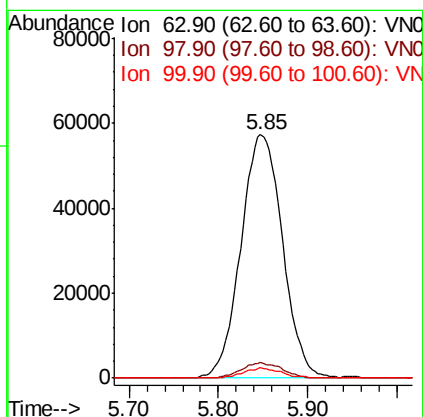
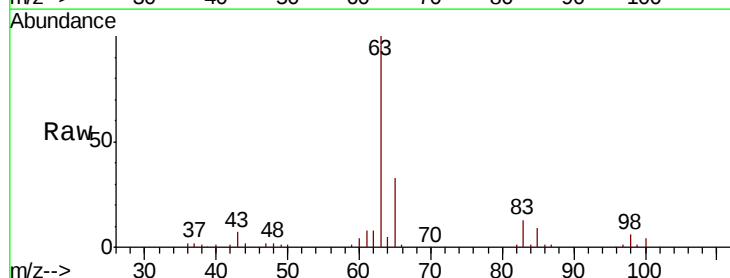
Instrument :
 MSVOA_N
 ClientSampleId :

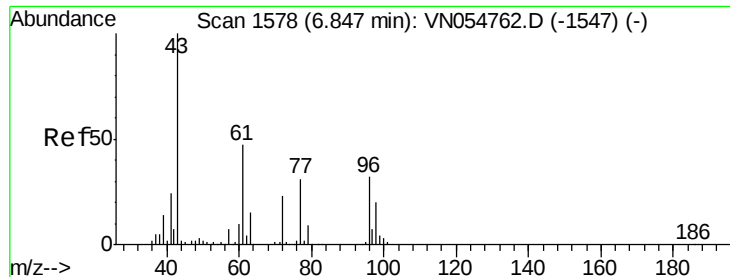
Tot Ion: 43 Resp: 1252824
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 21.909 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion: 63 Resp: 185805
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 4.1 2.0 6.0

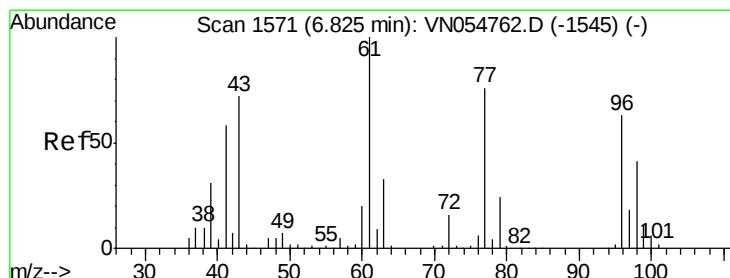
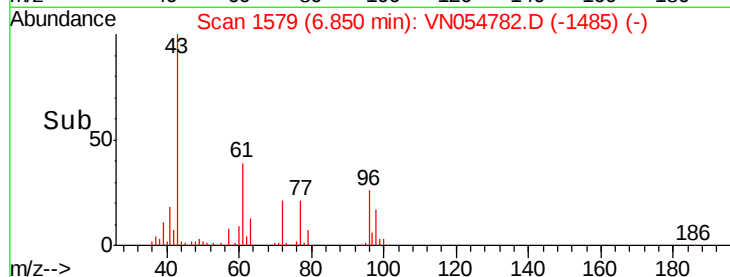
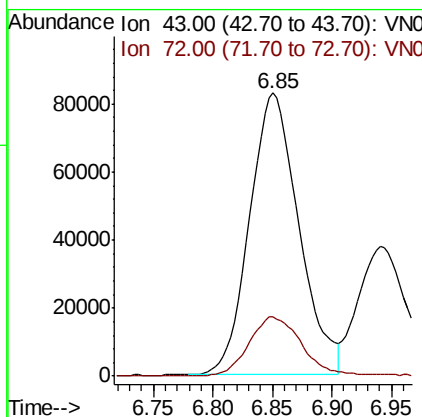
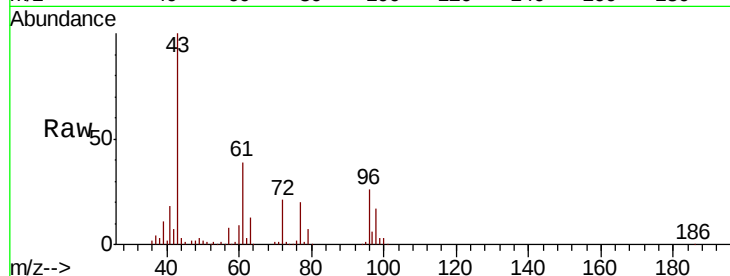




#25
2-Butanone
Concen: 120.060 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

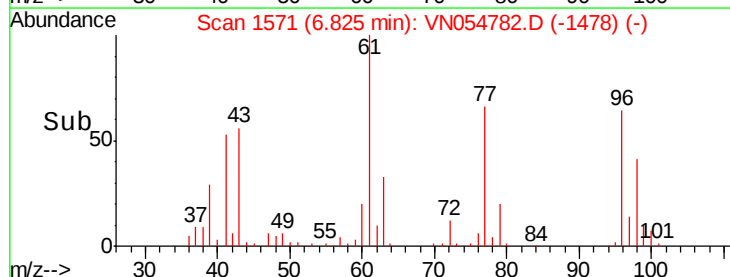
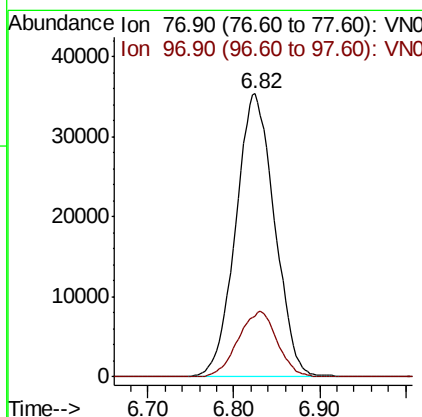
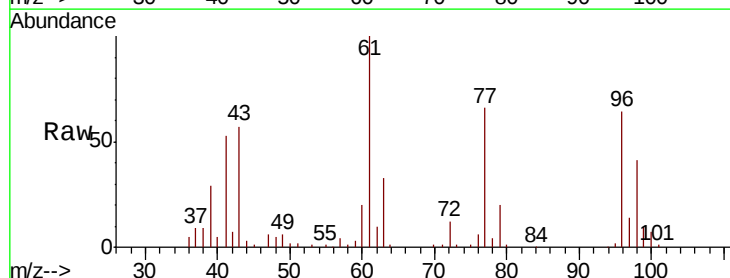
Instrument :
MSVOA_N
ClientSampled :

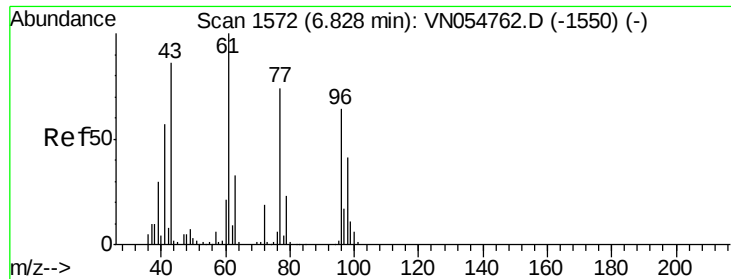
Tot Ion: 43 Resp: 236847
Ion Ratio Lower Upper
43 100
72 21.0 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 18.658 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 77 Resp: 110901
Ion Ratio Lower Upper
77 100
97 23.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.028 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampled :

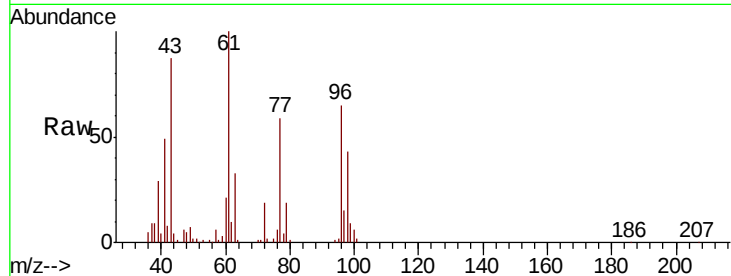
Tot Ion: 96 Resp: 106664

Ion Ratio Lower Upper

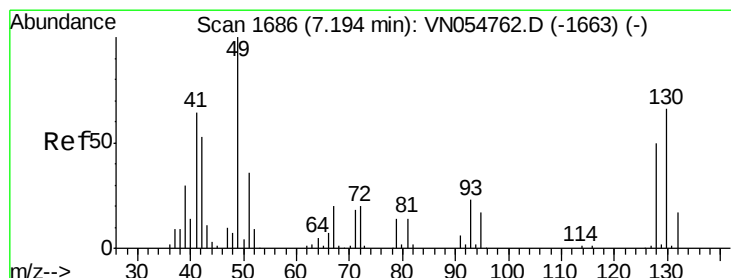
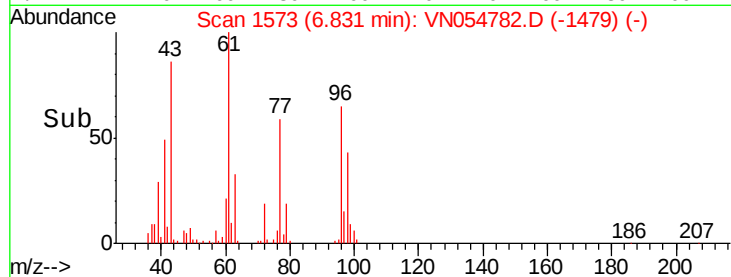
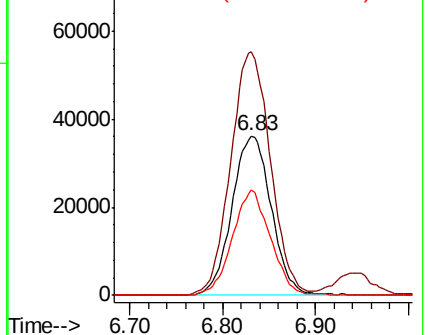
96 100

61 154.4 0.0 273.0

98 63.8 0.0 130.6



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



#28

Bromochloromethane

Concen: 23.440 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

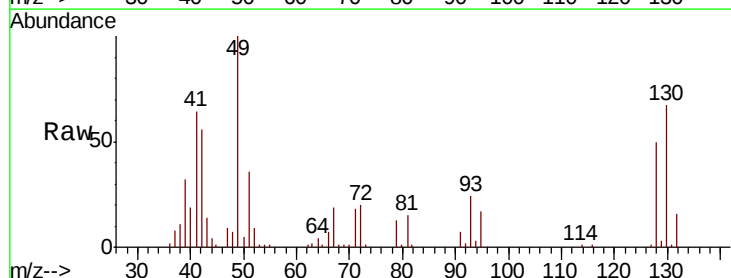
Tgt Ion: 49 Resp: 99401

Ion Ratio Lower Upper

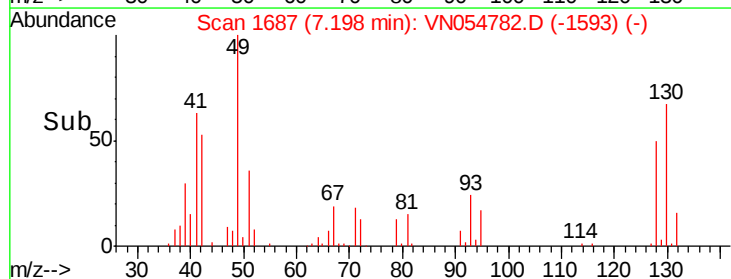
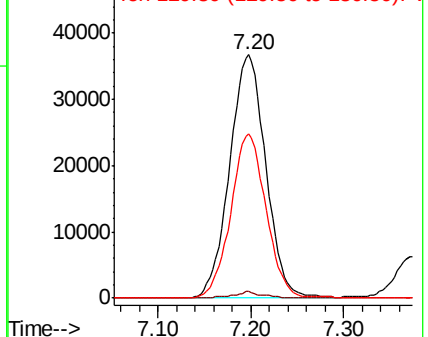
49 100

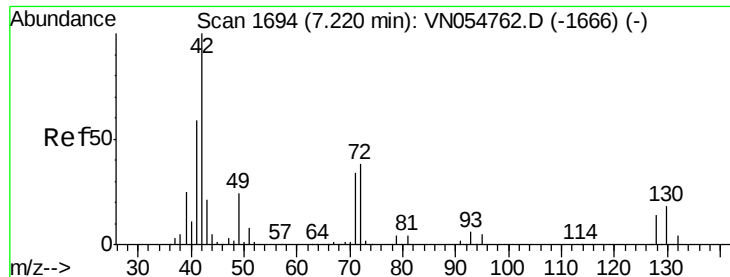
129 1.7 0.0 4.6

130 65.8 76.7 115.1#



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

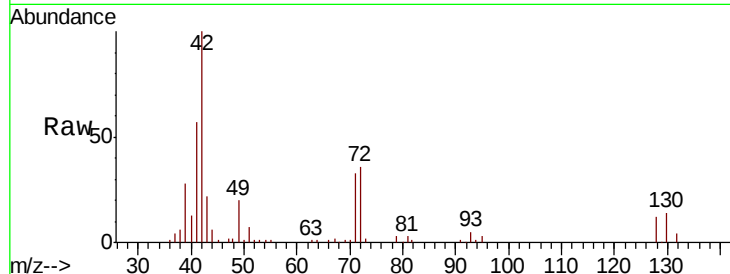




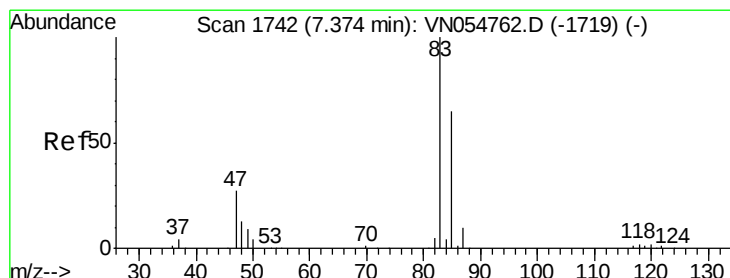
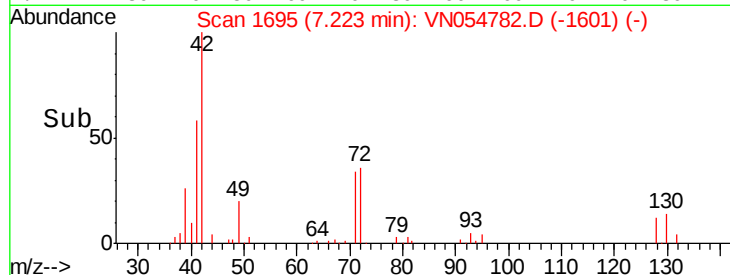
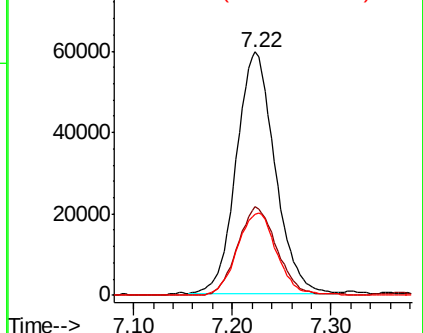
#29
Tetrahydrofuran
Concen: 117.080 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 160418
Ion Ratio Lower Upper
42 100
72 37.1 37.8 56.6#
71 35.0 36.2 54.2#

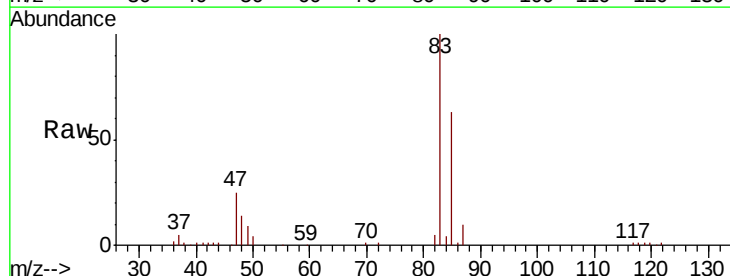


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

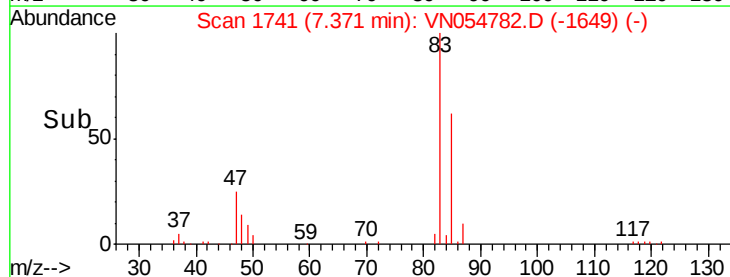
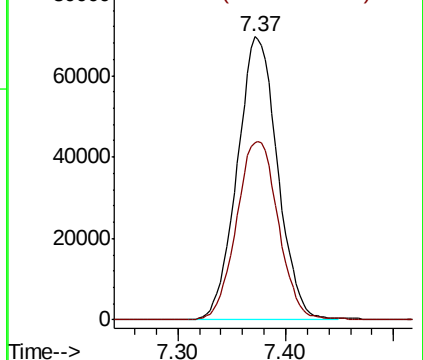


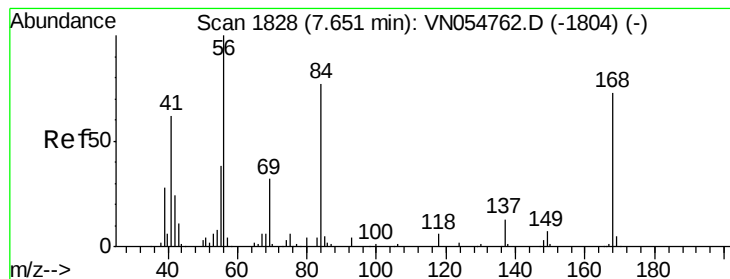
#30
Chloroform
Concen: 22.351 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 83 Resp: 180743
Ion Ratio Lower Upper
83 100
85 62.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 21.411 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

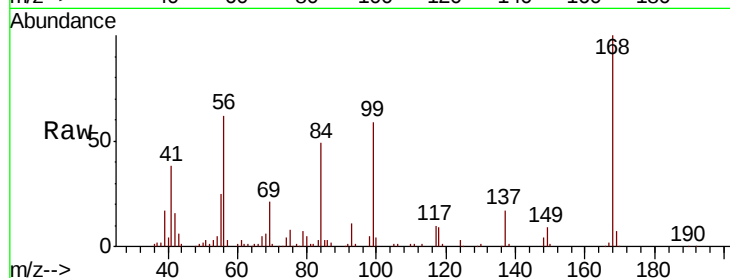
Tot Ion: 56 Resp: 174558

Ion Ratio Lower Upper

56 100

69 34.5 27.8 41.6

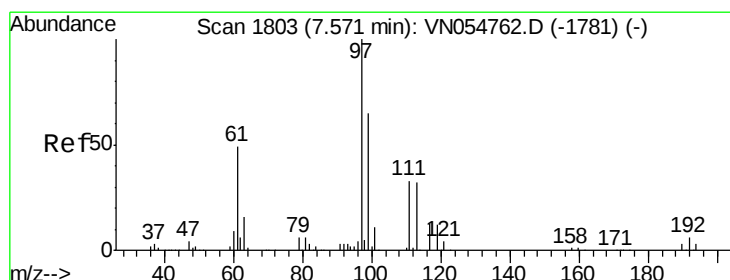
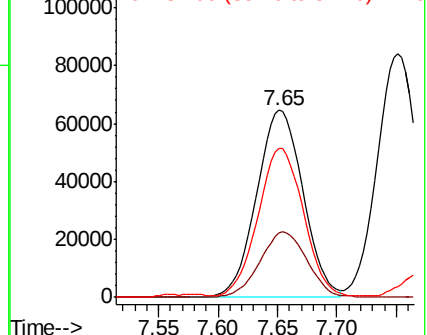
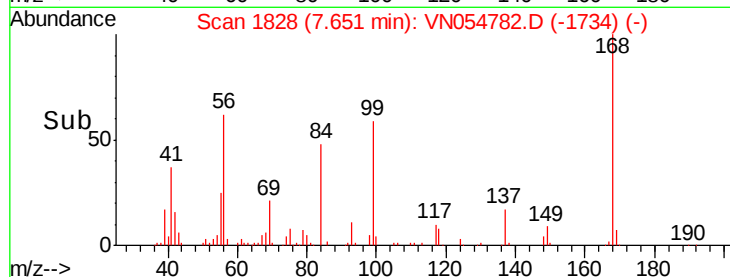
84 78.0 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.952 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

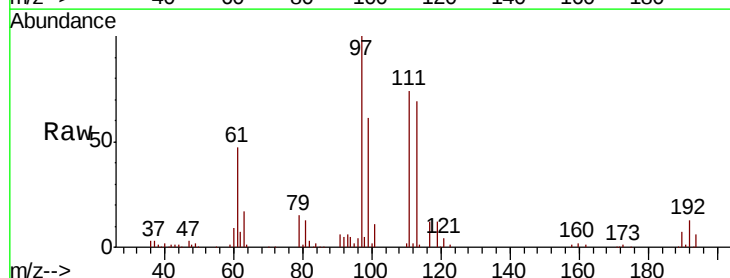
Tgt Ion: 97 Resp: 147116

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

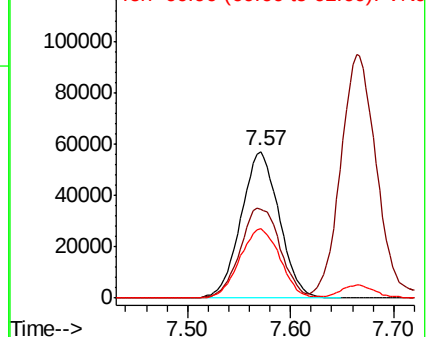
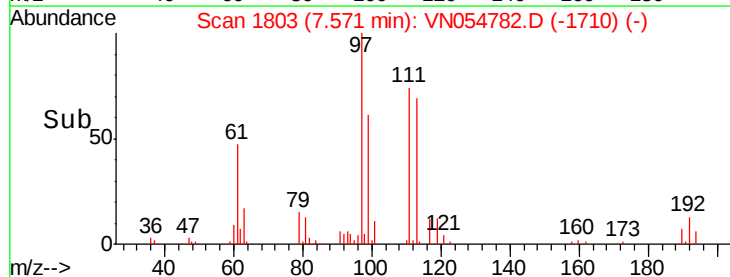
61 49.8 33.6 50.4

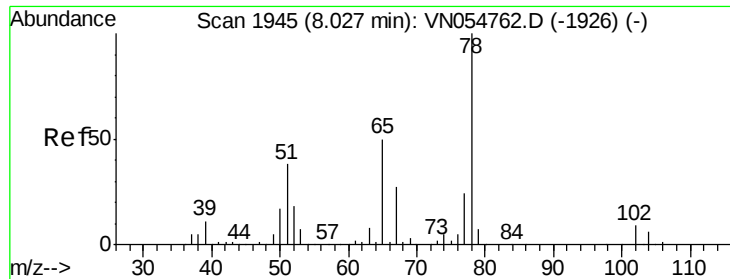


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.708 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

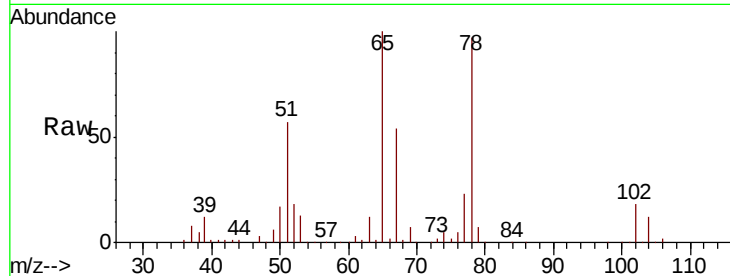
ClientSampled :

Tot Ion: 65 Resp: 306170

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054782.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054782.D (-1926) (-)

8.03

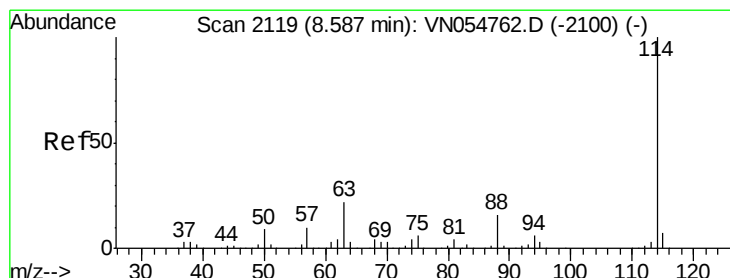
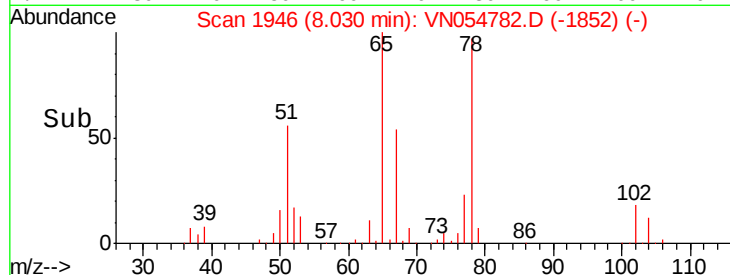
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

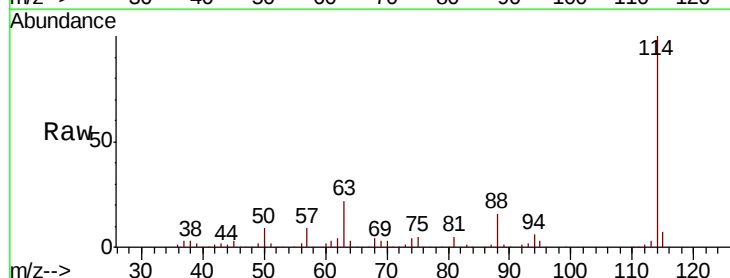
Tgt Ion: 114 Resp: 712834

Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.2

88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054782.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN054782.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN054782.D (-2100) (-)

8.59

400000

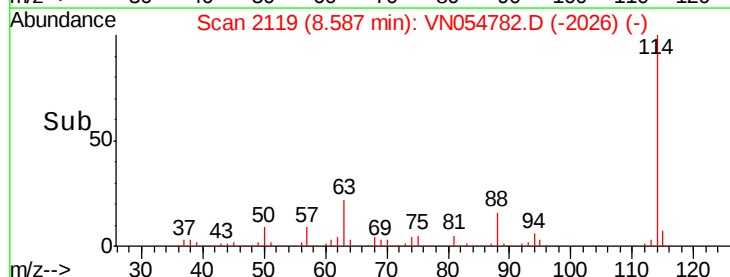
300000

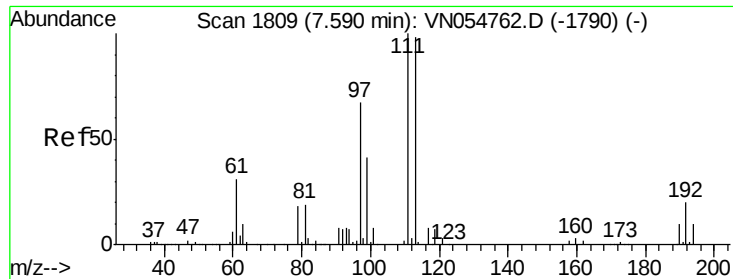
200000

100000

0

Time-->

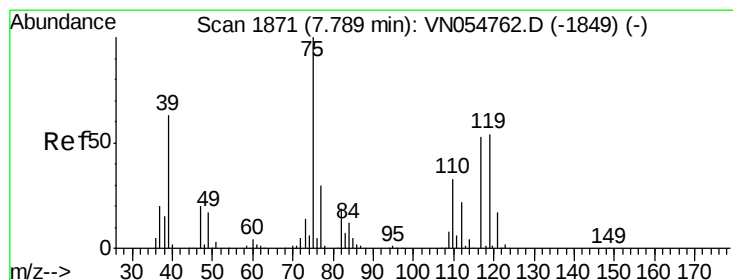
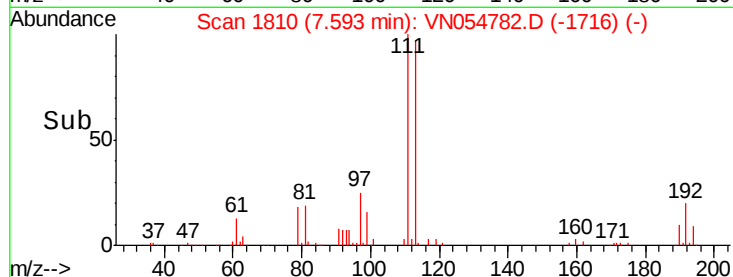
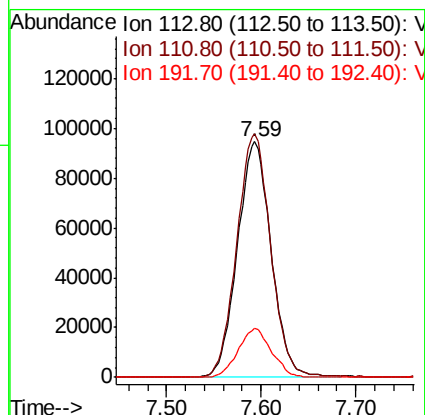
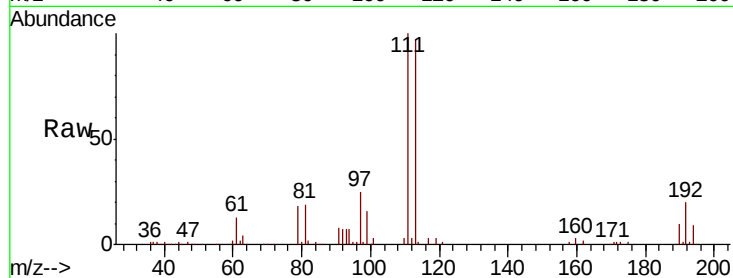




#35
 Dibromofluoromethane
 Concen: 49.495 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

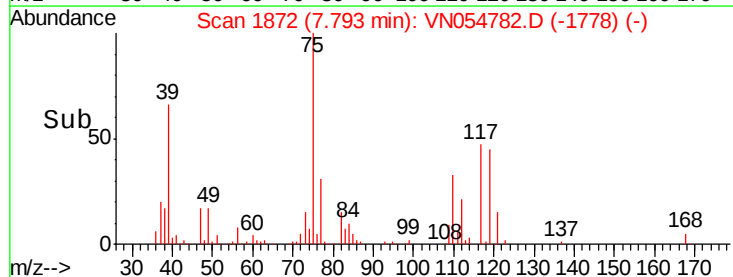
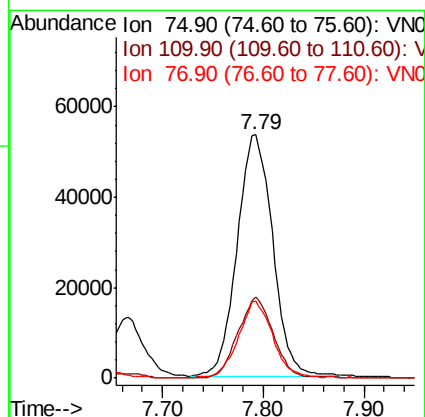
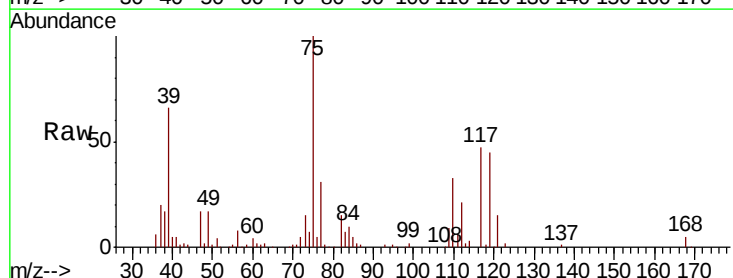
Instrument :
 MSVOA_N
 ClientSampleId :

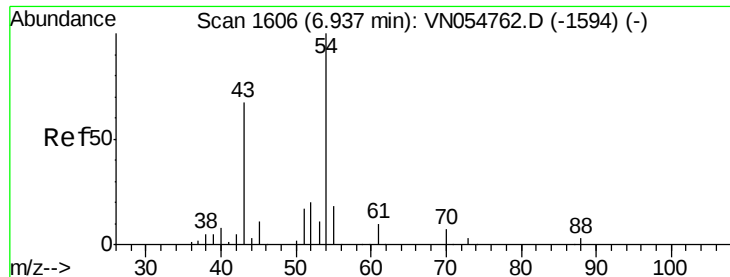
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.4
192	20.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.726 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	19.1	57.5
77	31.0	25.0	37.4

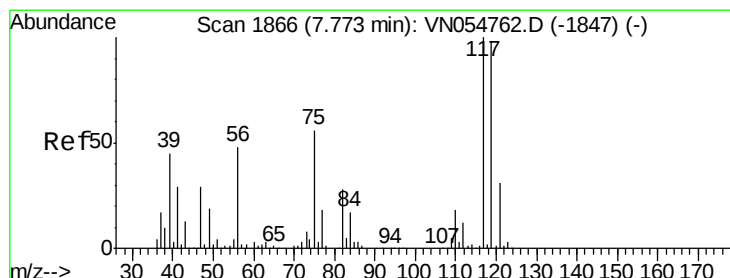
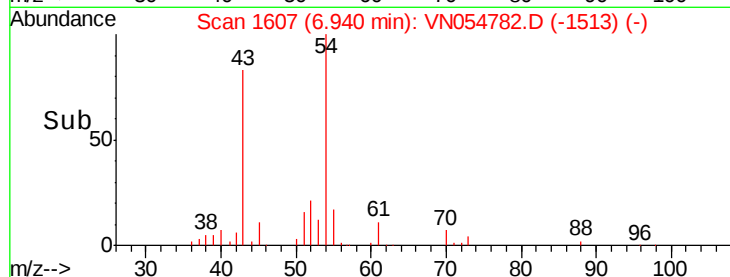
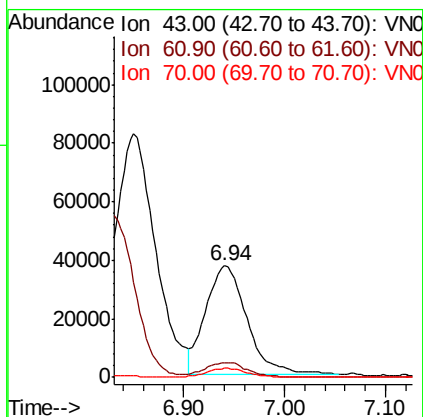
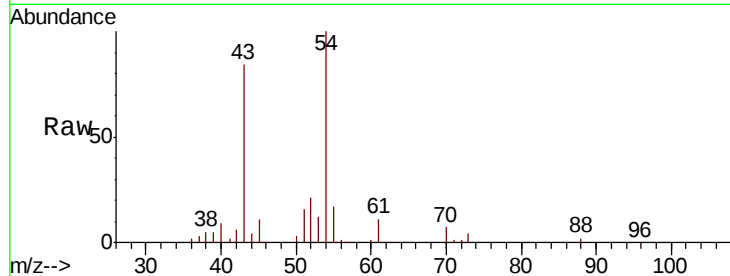




#37
Ethyl Acetate
Concen: 21.806 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

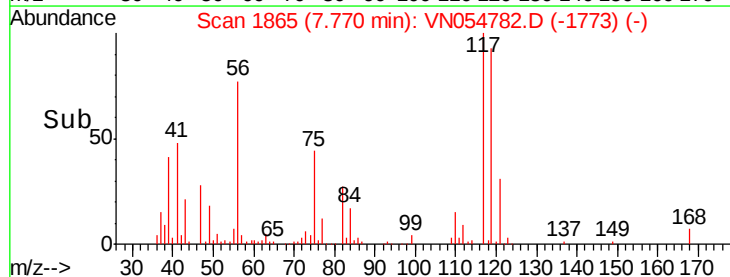
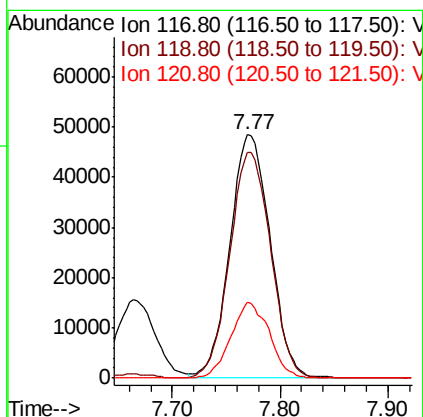
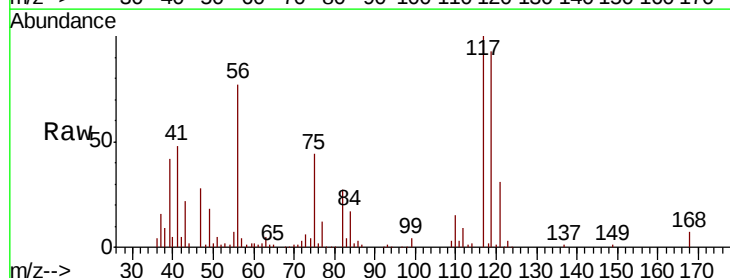
Instrument :
MSVOA_N
ClientSampled :

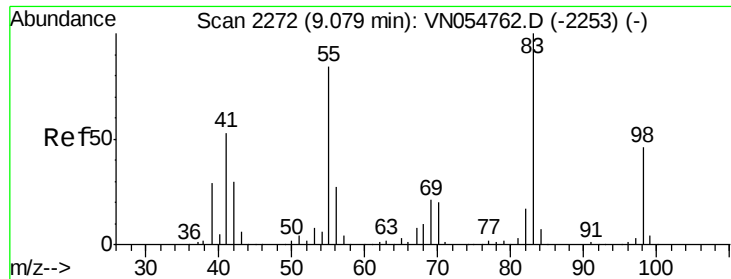
Tot Ion: 43 Resp: 106216
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.6
70 8.3 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 19.579 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 117 Resp: 126314
Ion Ratio Lower Upper
117 100
119 92.5 76.3 114.5
121 31.2 24.6 36.8

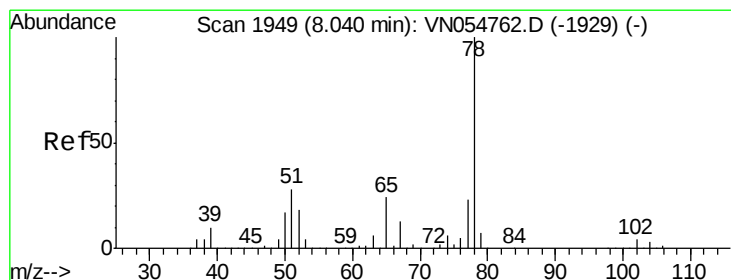
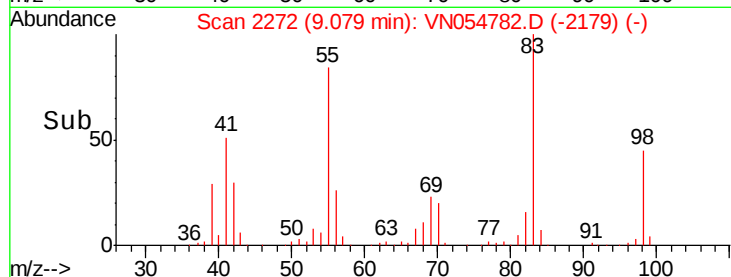
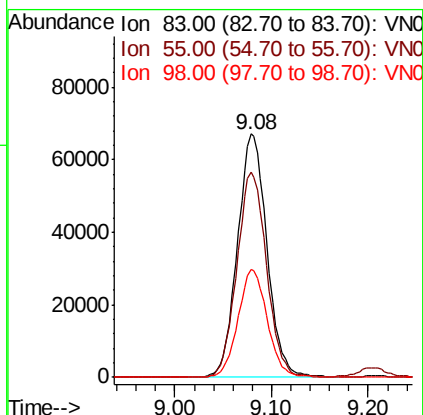
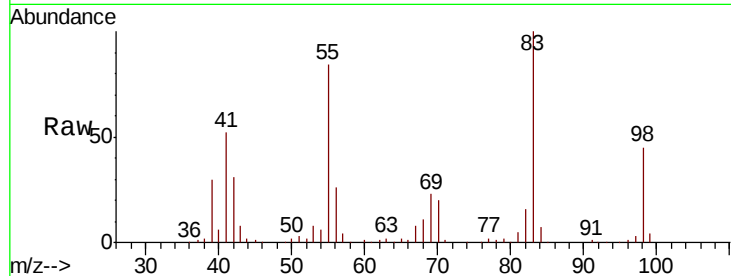




#39
Methvlcvclohexane
Concen: 19.465 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

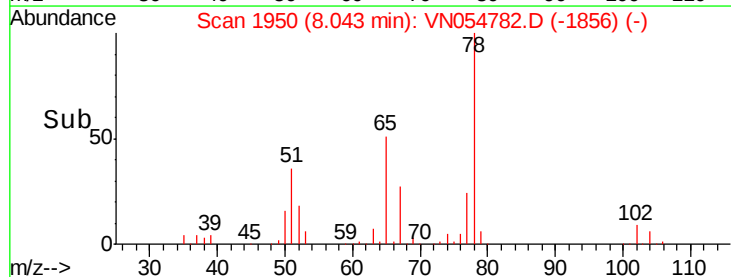
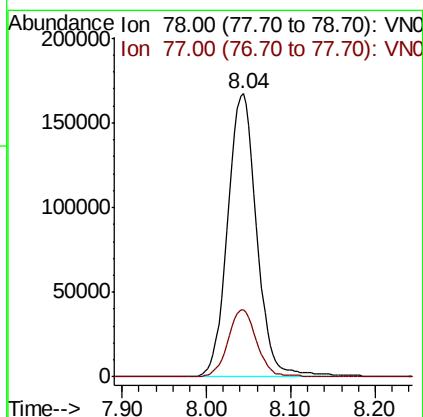
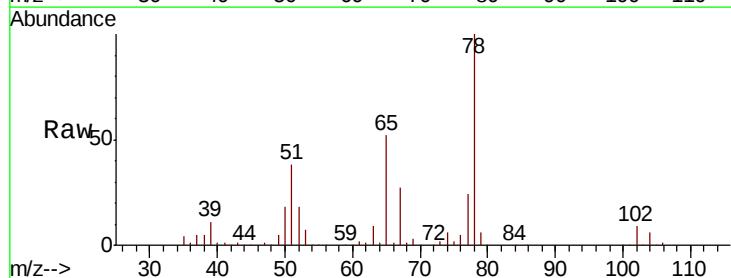
Instrument :
MSVOA_N
ClientSampleId :

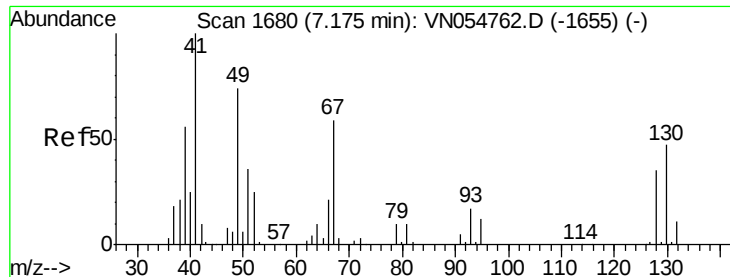
Tot Ion: 83 Resp: 142142
Ion Ratio Lower Upper
83 100
55 84.2 56.6 84.8
98 44.5 38.4 57.6



#40
Benzene
Concen: 21.129 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 78 Resp: 401568
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

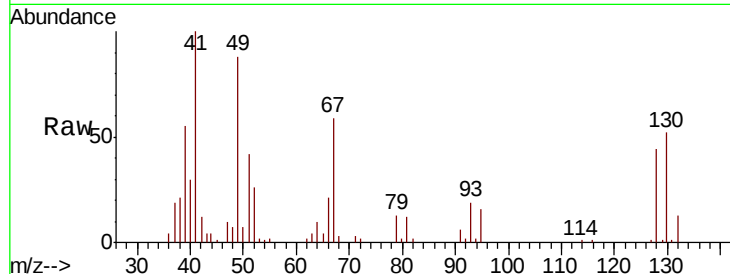




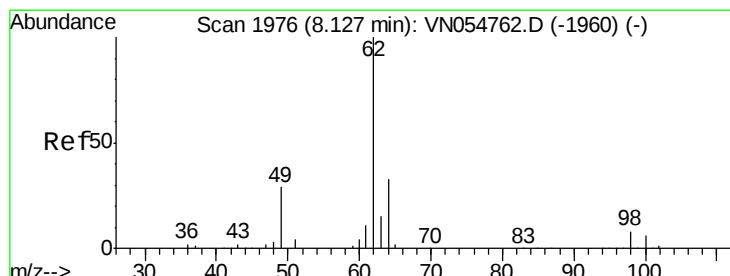
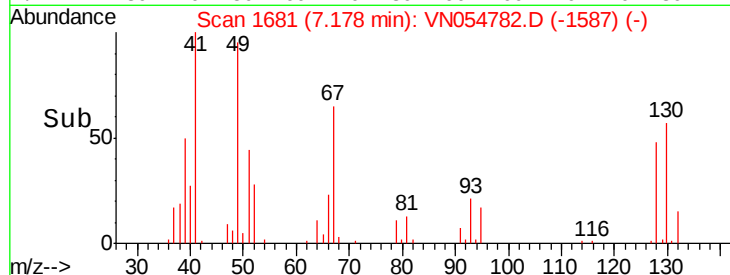
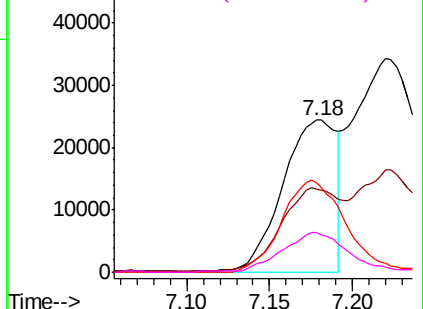
#41
Methacrylonitrile
Concen: 20.242 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 55386
Ion Ratio Lower Upper
41 100
39 58.3 46.8 70.2
67 73.0 67.0 100.4
52 29.9 26.5 39.7

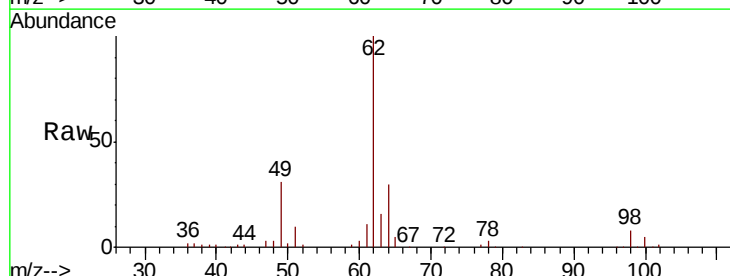


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

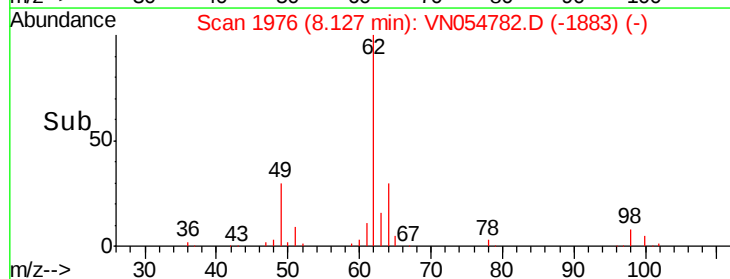
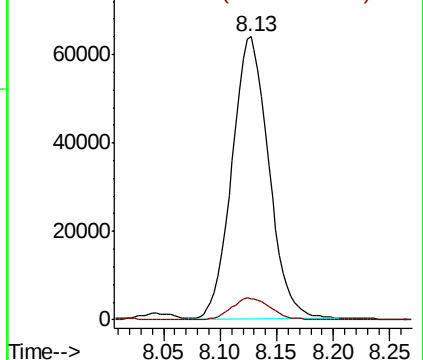


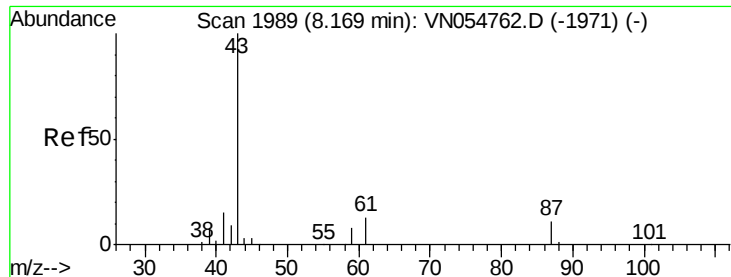
#42
1,2-Dichloroethane
Concen: 21.330 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 62 Resp: 144751
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 22.400 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

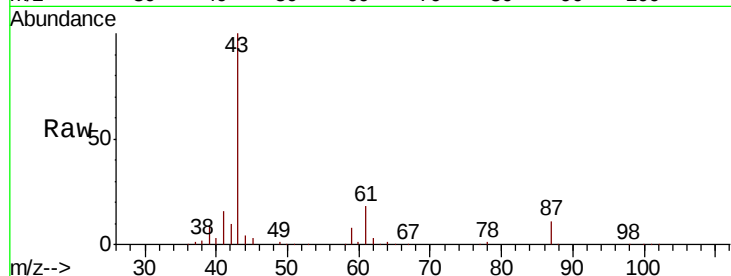
Tot Ion: 43 Resp: 177289

Ion Ratio Lower Upper

43 100

61 18.1 15.8 23.8

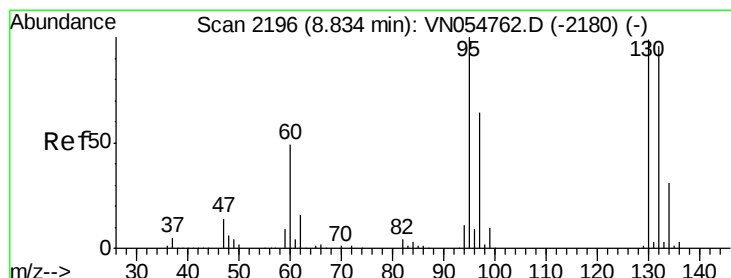
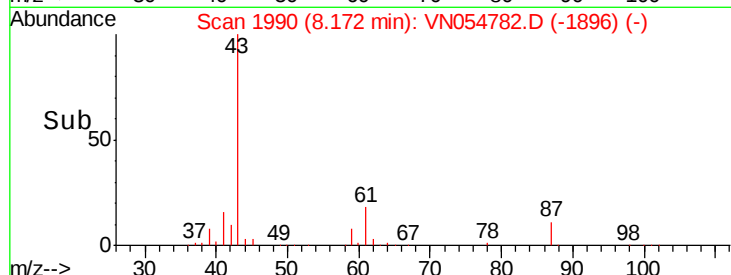
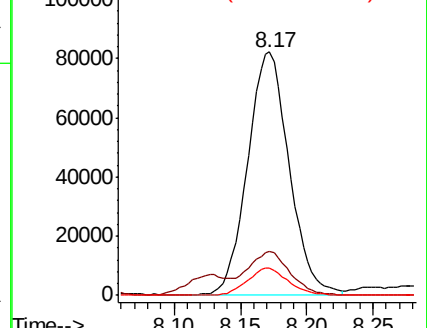
87 11.1 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054782.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN054782.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN054782.D (-1990) (-)



#44

Trichloroethene

Concen: 20.629 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054782.D

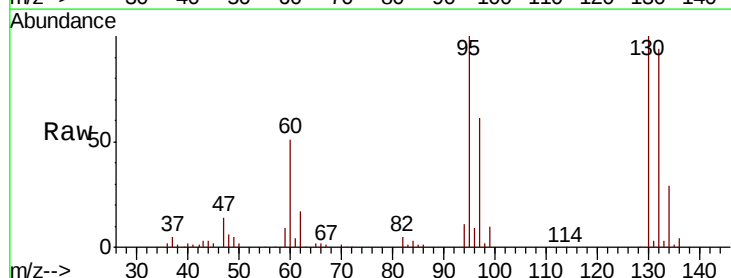
Acq: 29 Mar 2019 20:38

Tgt Ion:130 Resp: 101778

Ion Ratio Lower Upper

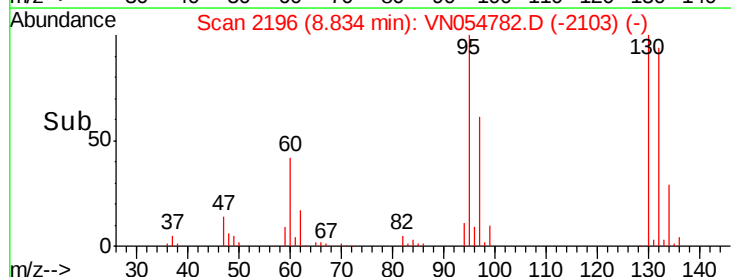
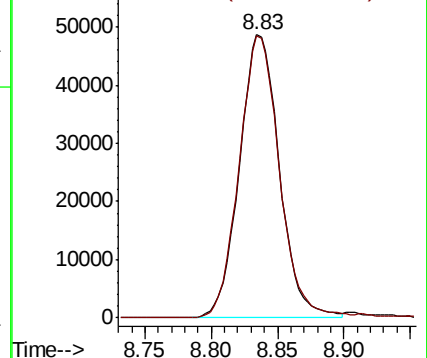
130 100

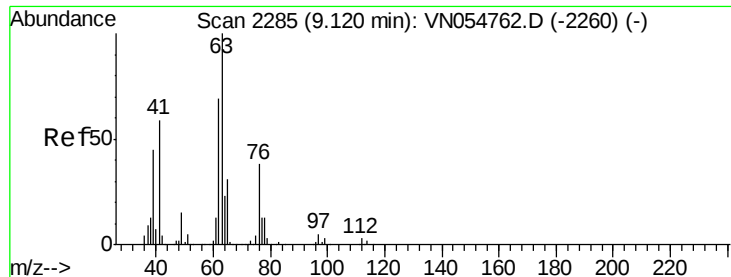
95 99.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054782.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN054782.D (-2196) (-)





#45

1,2-Dichloropropane

Concen: 21.015 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

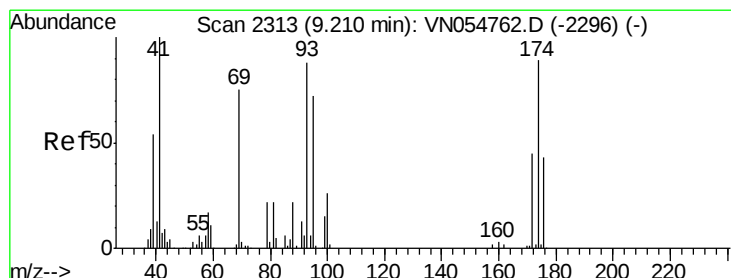
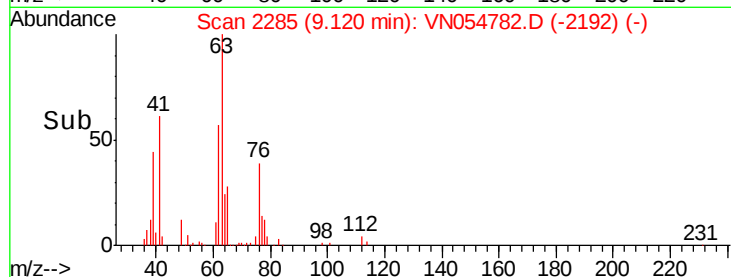
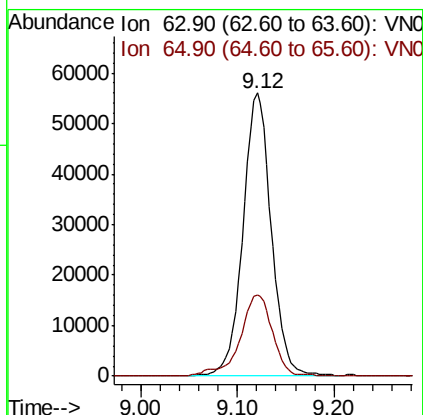
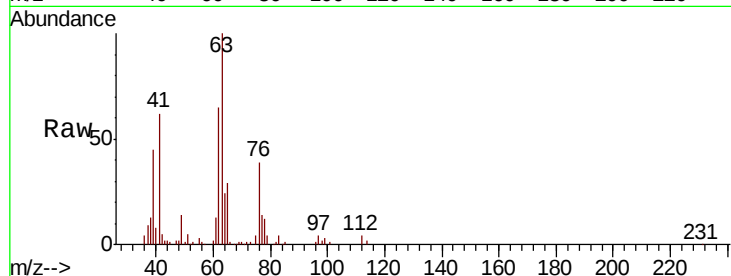
ClientSampleId :

Tot Ion: 63 Resp: 113887

Ion Ratio Lower Upper

63 100

65 28.9 25.0 37.6



#46

Dibromomethane

Concen: 21.498 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

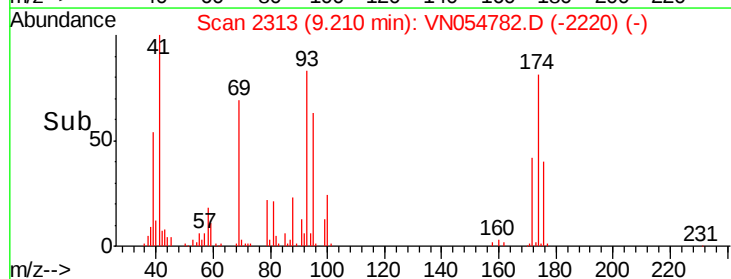
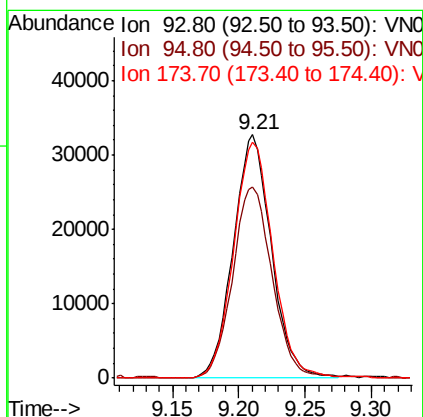
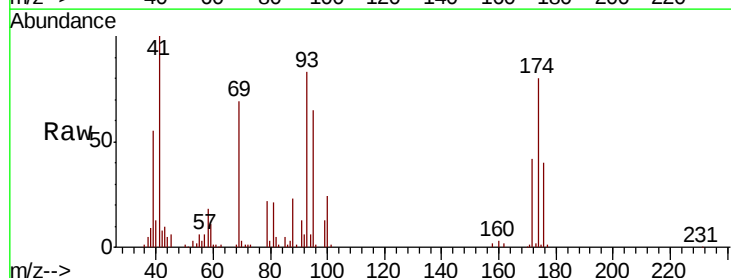
Tgt Ion: 93 Resp: 65538

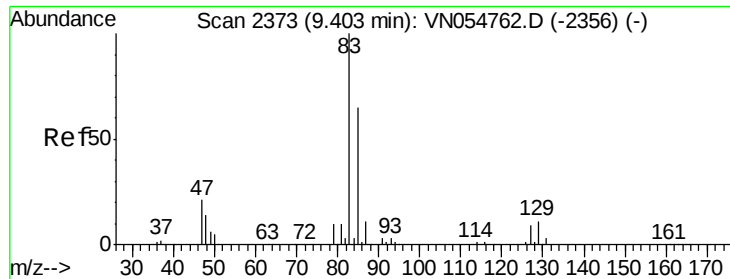
Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

174 99.3 98.5 147.7





#47

Bromodichloromethane

Concen: 21.012 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampled :

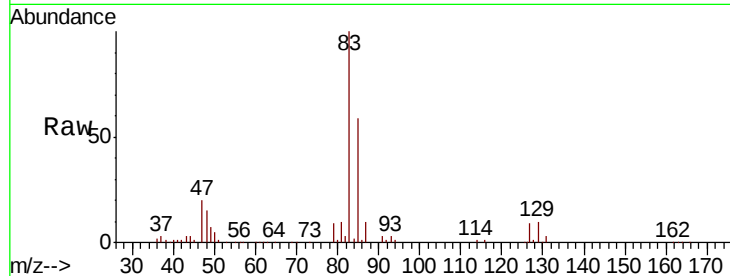
Tot Ion: 83 Resp: 133133

Ion Ratio Lower Upper

83 100

85 59.1 52.8 79.2

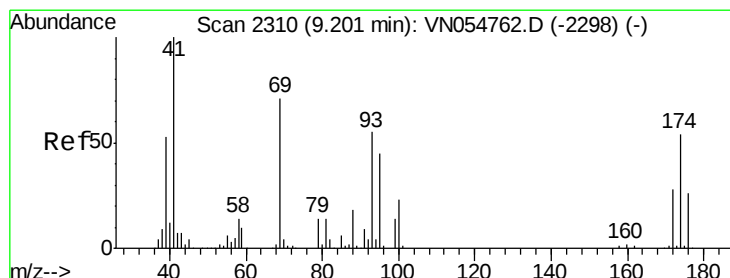
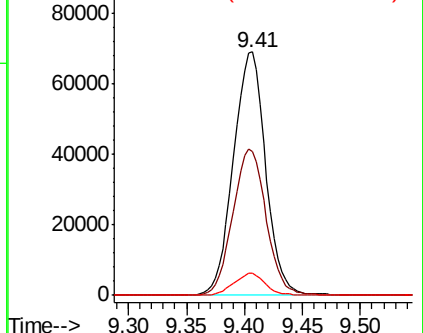
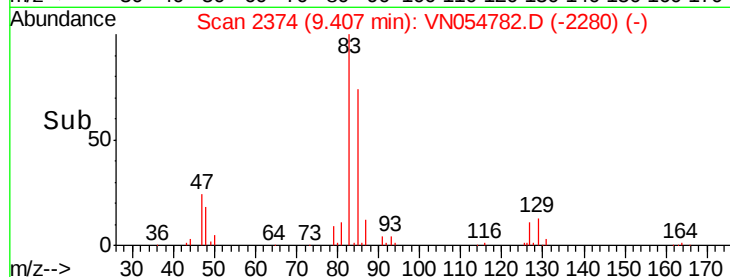
127 9.0 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.525 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

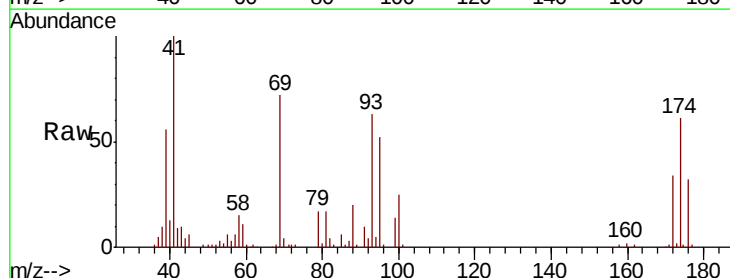
Tgt Ion: 41 Resp: 88057

Ion Ratio Lower Upper

41 100

69 74.8 72.6 108.8

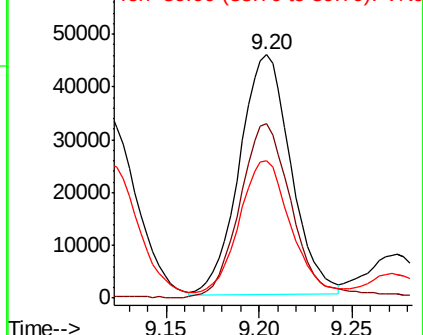
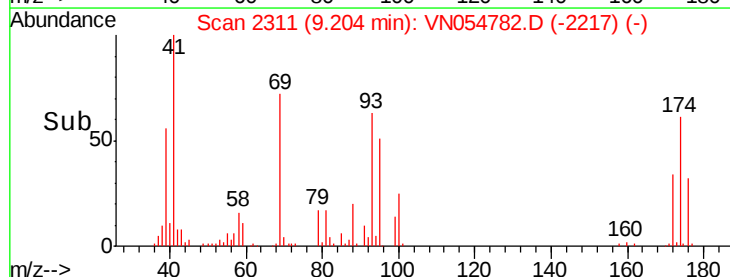
39 56.9 47.5 71.3

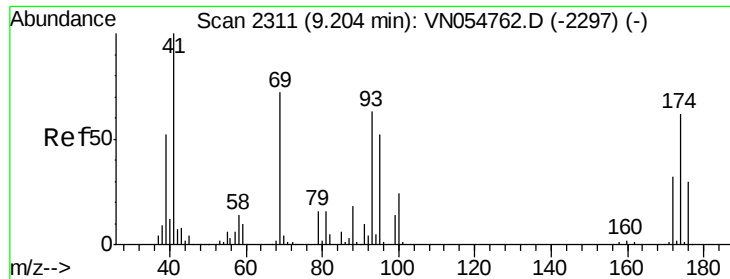


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

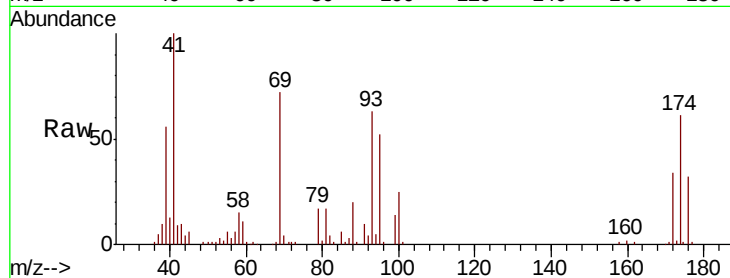




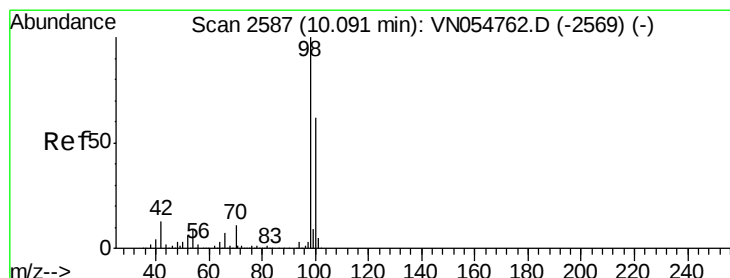
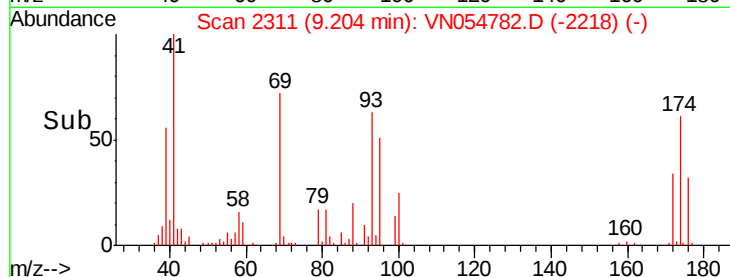
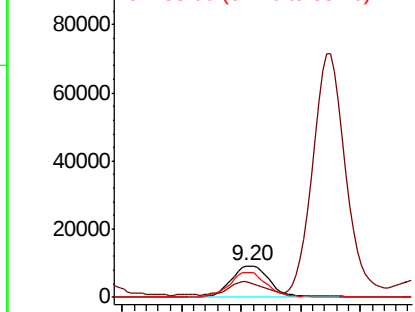
#49
 1,4-Dioxane
 Concen: 489.791 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 20850
 Ion Ratio Lower Upper
 88 100
 43 36.2 24.1 36.1#
 58 75.3 50.8 76.2

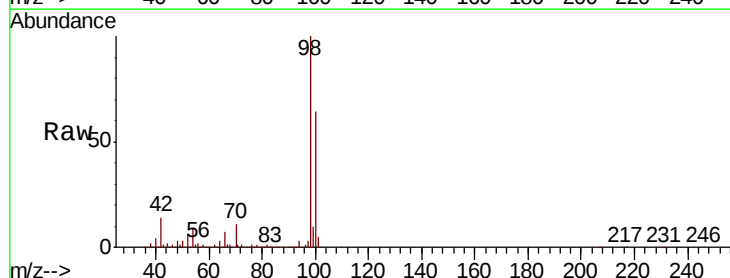


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

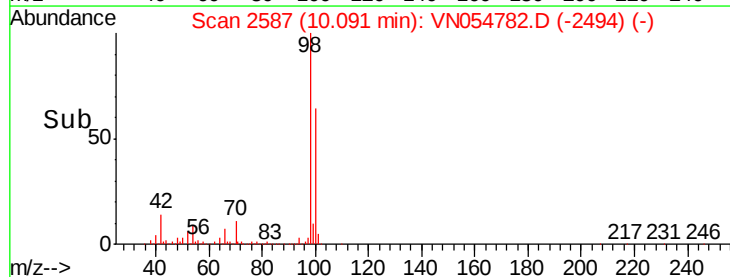
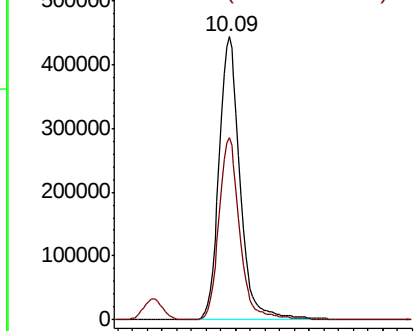


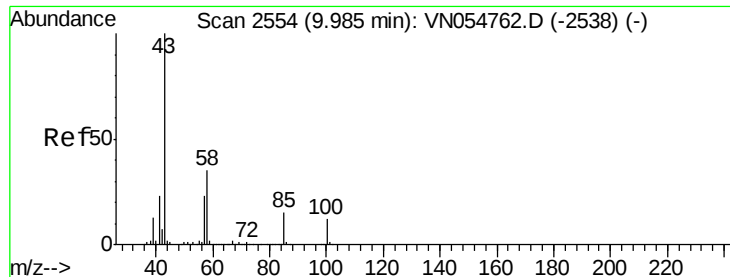
#50
 Toluene-d8
 Concen: 49.779 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion: 98 Resp: 879510
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.2 76.8



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

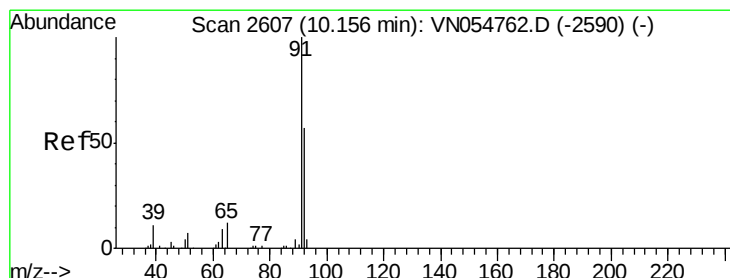
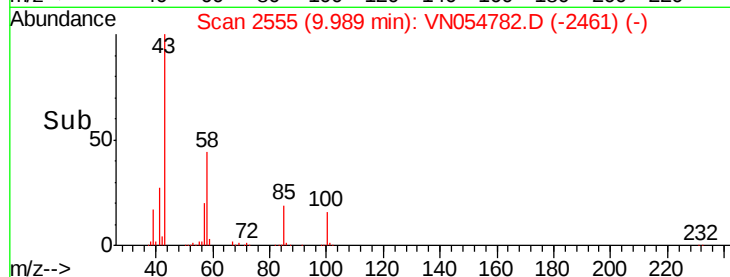
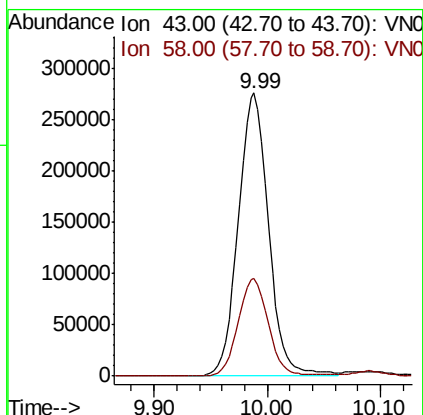
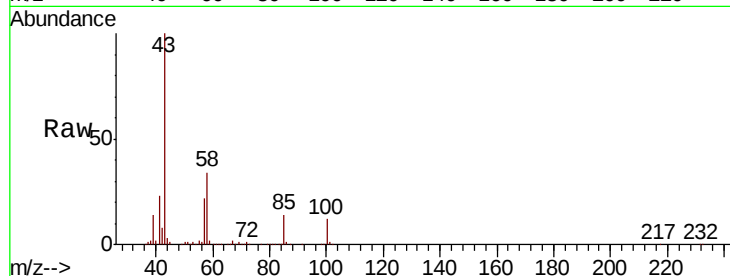




#51
4-Methyl-2-Pentanone
Concen: 115.295 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

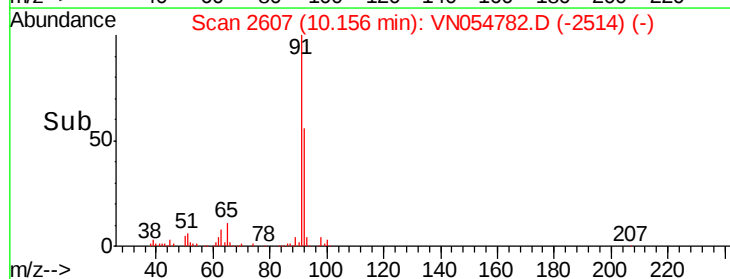
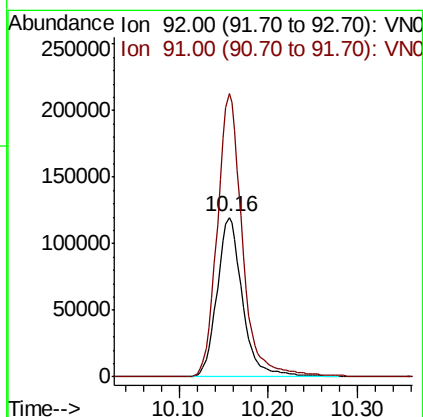
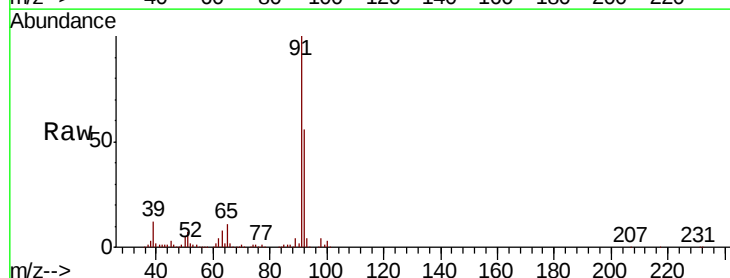
Instrument :
MSVOA_N
ClientSampled :

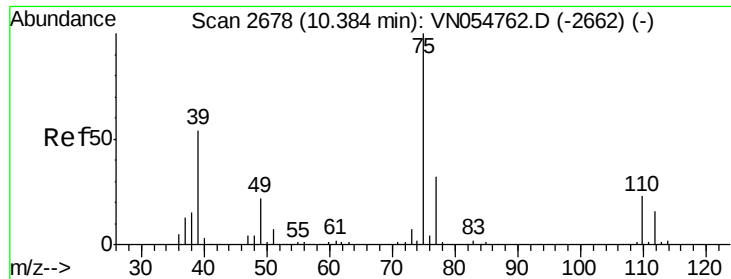
Tot Ion: 43 Resp: 513036
Ion Ratio Lower Upper
43 100
58 34.2 31.8 47.6



#52
Toluene
Concen: 20.994 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 92 Resp: 237432
Ion Ratio Lower Upper
92 100
91 174.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 20.056 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

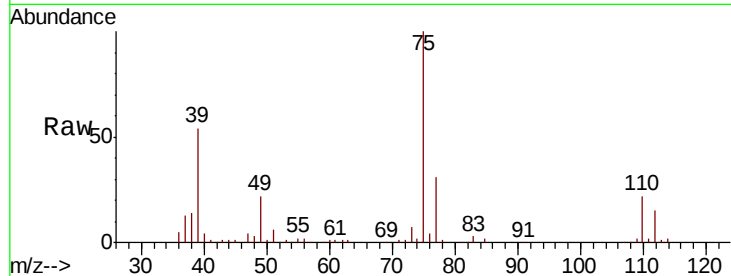
ClientSampleId :

Tot Ion: 75 Resp: 119535

Ion Ratio Lower Upper

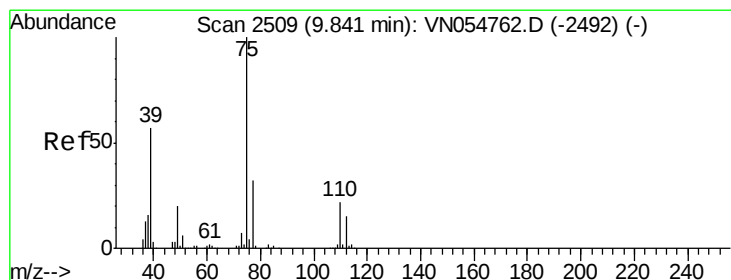
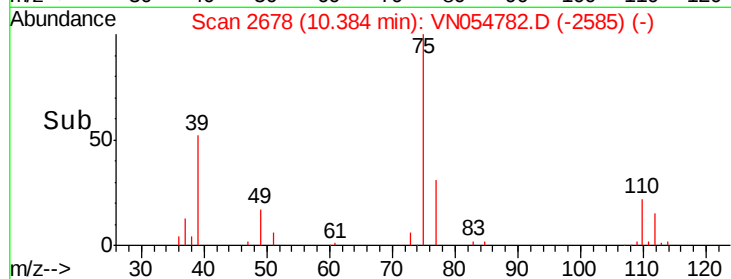
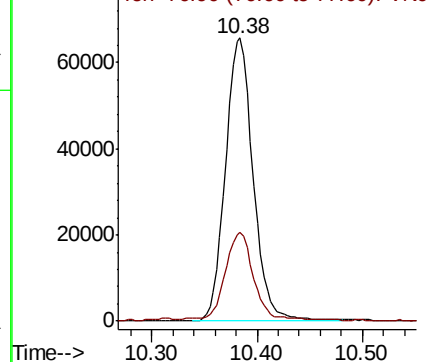
75 100

77 31.0 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.475 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

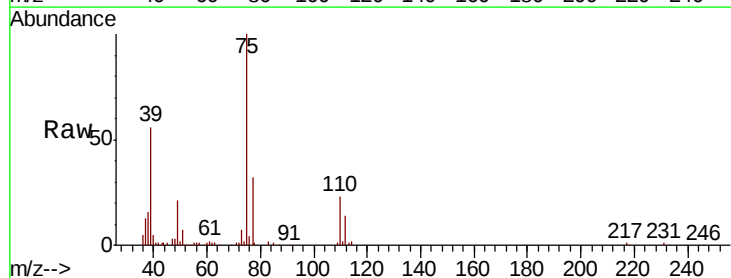
Tgt Ion: 75 Resp: 145772

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

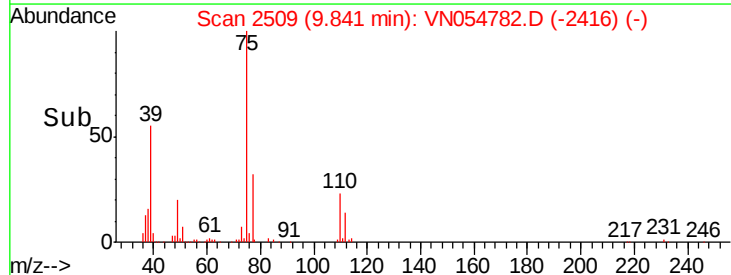
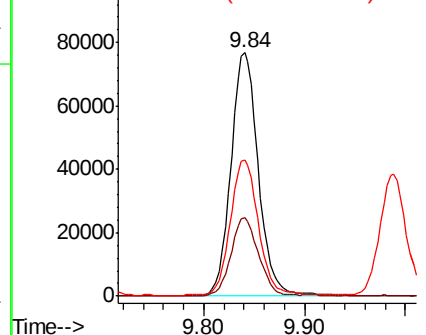
39 55.1 37.2 55.8

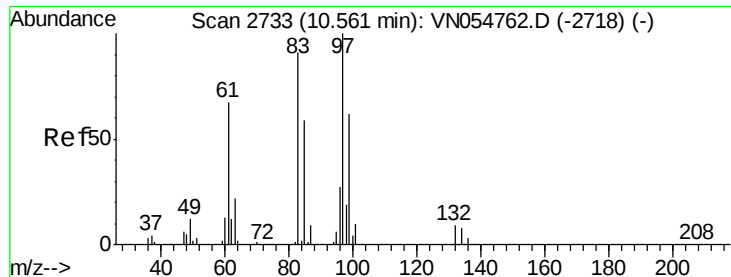


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

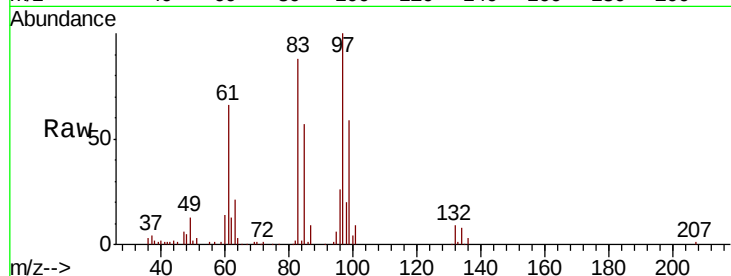




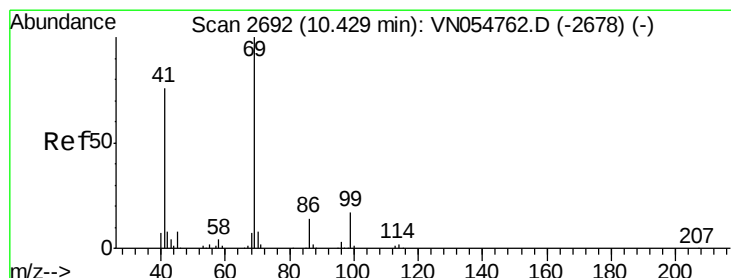
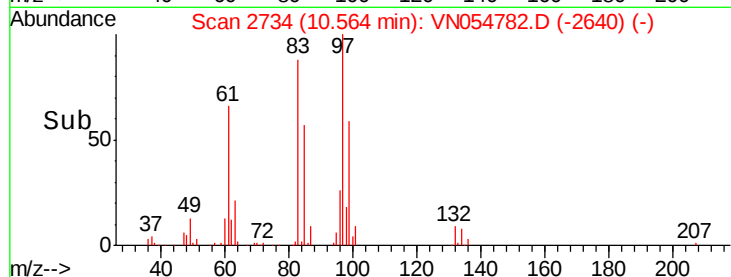
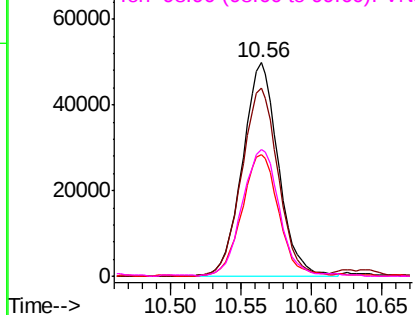
#55
 1,1,2-Trichloroethane
 Concen: 21.125 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	88835
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	100.0
85	56.9	44.4	66.6
99	58.6	50.8	76.2

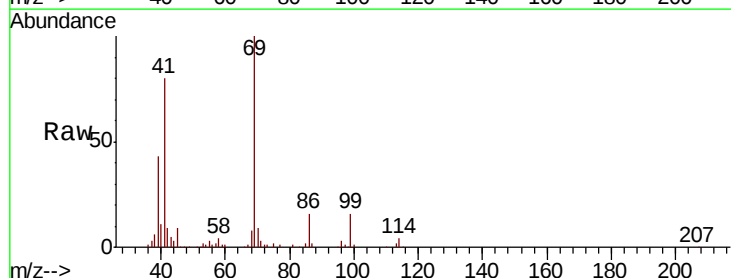


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

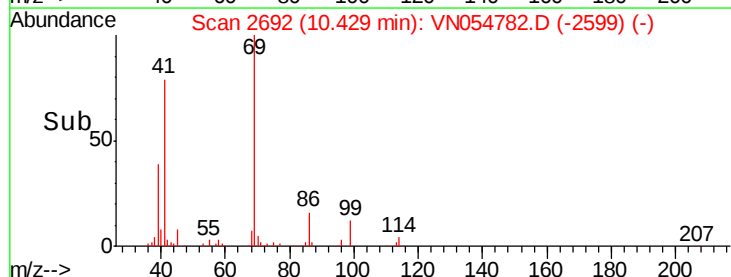
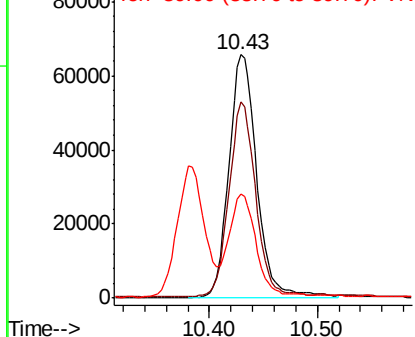


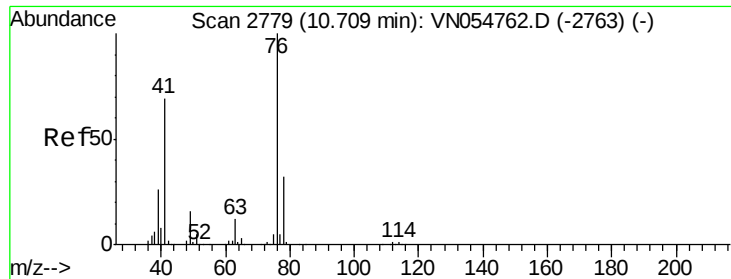
#56
 Ethyl methacrylate
 Concen: 21.423 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion:	69	Resp:	118177
Ion	Ratio	Lower	Upper
69	100		
41	76.0	49.4	74.2#
39	41.0	28.3	42.5



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

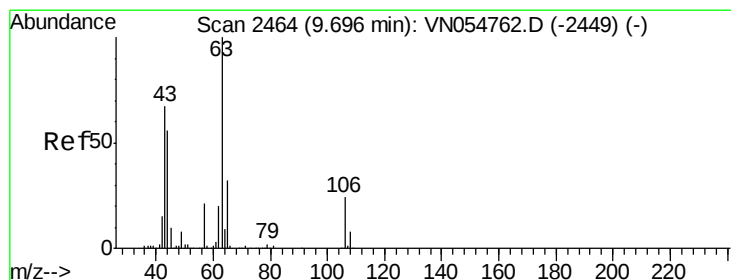
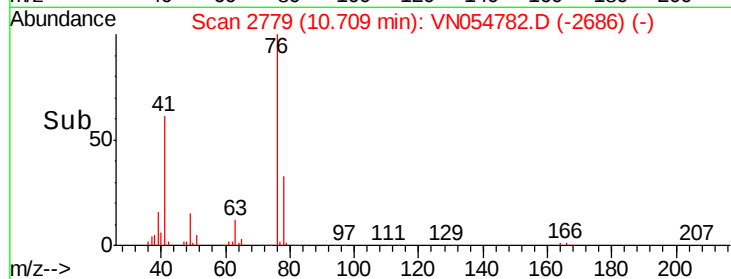
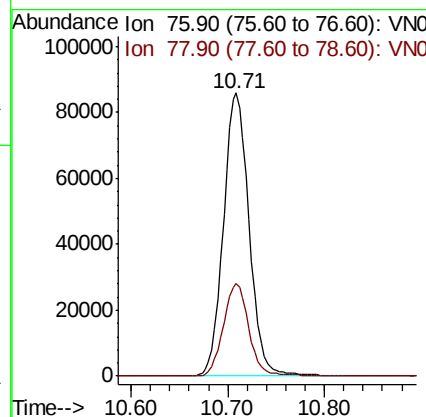
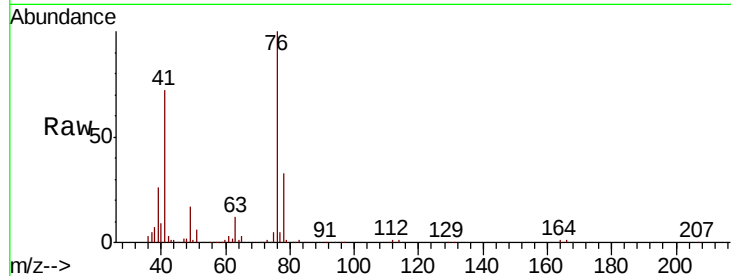




#57
 1,3-Dichloropropane
 Concen: 21.886 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

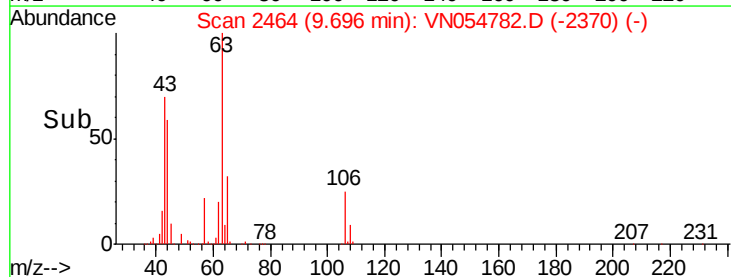
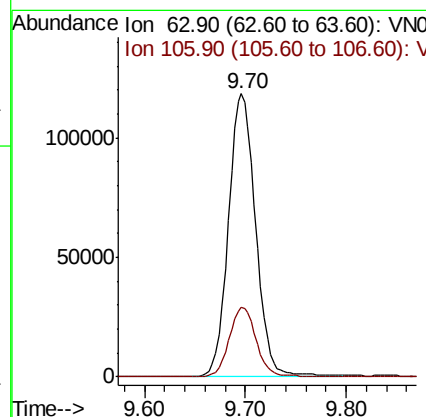
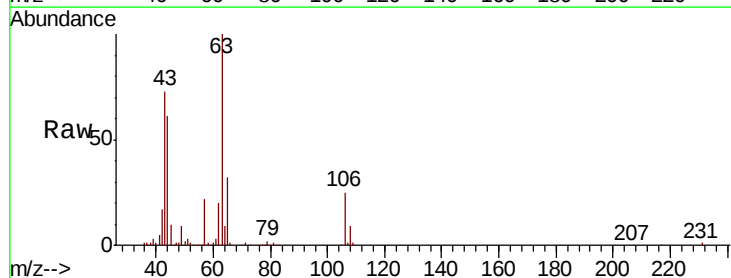
Instrument :
 MSVOA_N
 ClientSampleId :

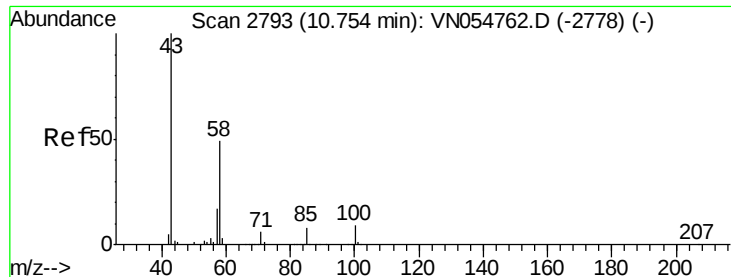
Tot Ion: 76 Resp: 158231
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.248 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion: 63 Resp: 222838
 Ion Ratio Lower Upper
 63 100
 106 24.6 24.4 36.6

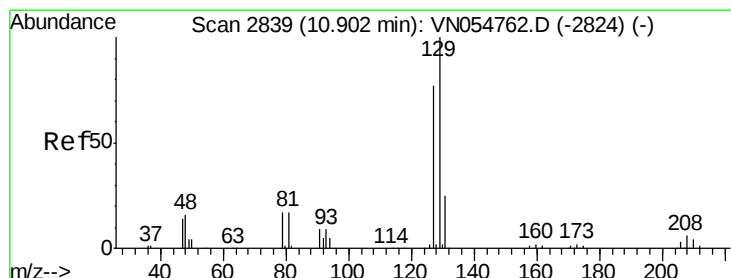
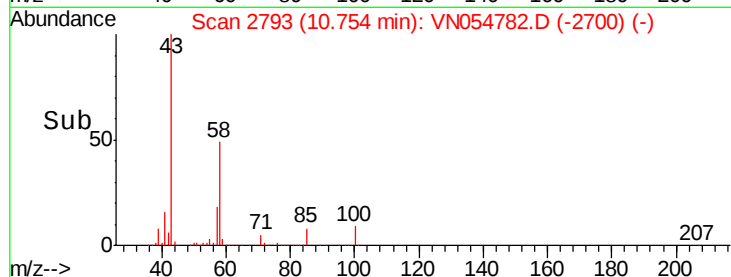
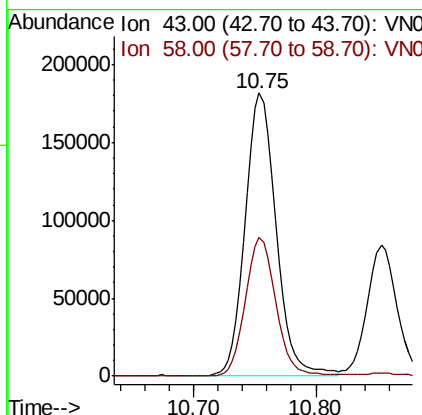
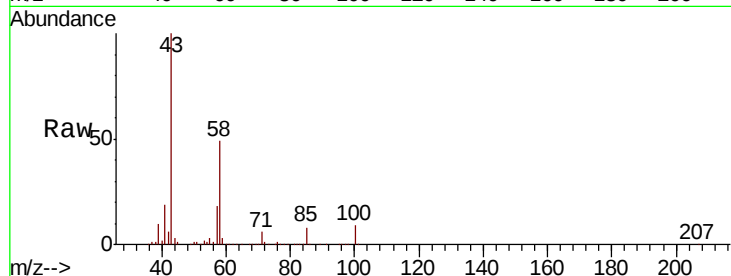




#59
2-Hexanone
Concen: 110.578 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

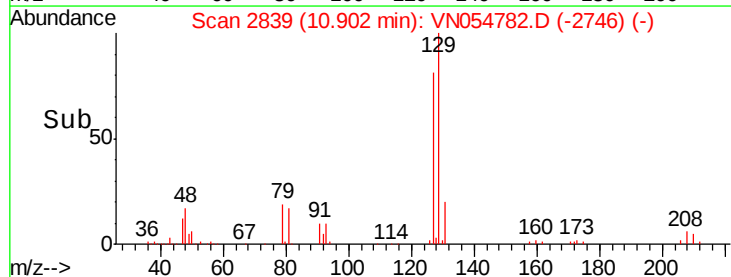
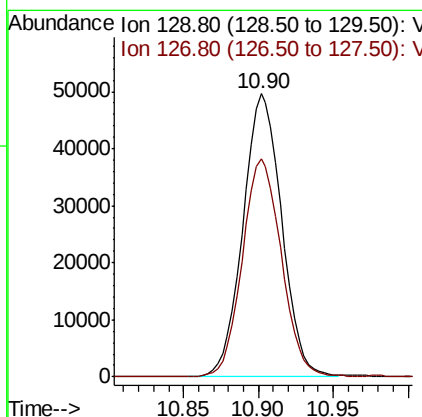
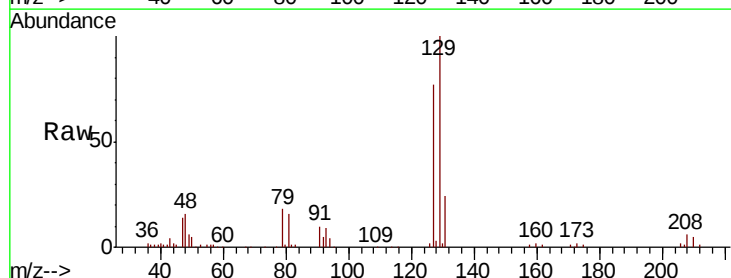
Instrument :
MSVOA_N
ClientSampleId :

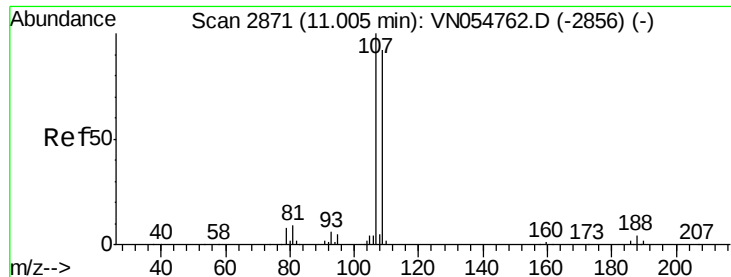
Tot Ion: 43 Resp: 314988
Ion Ratio Lower Upper
43 100
58 48.4 28.0 83.9



#60
Dibromochloromethane
Concen: 21.018 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 129 Resp: 89531
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

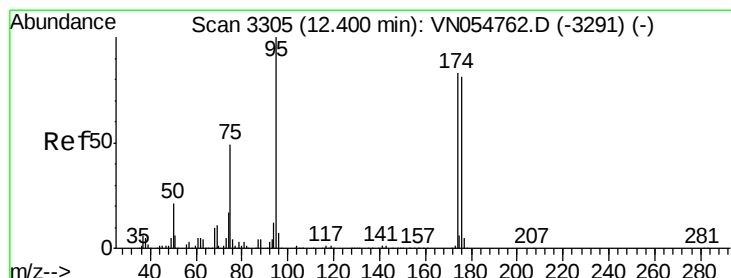
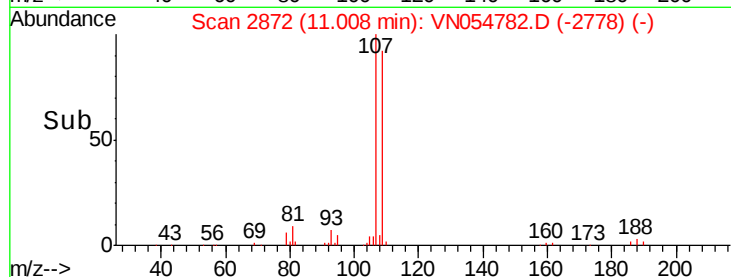
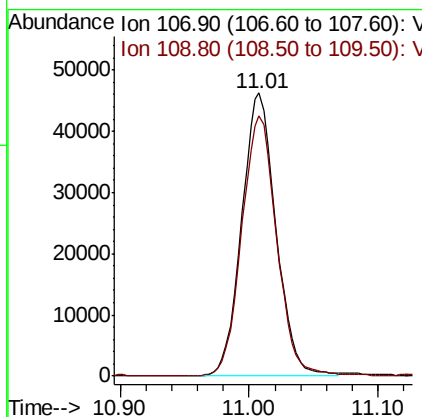
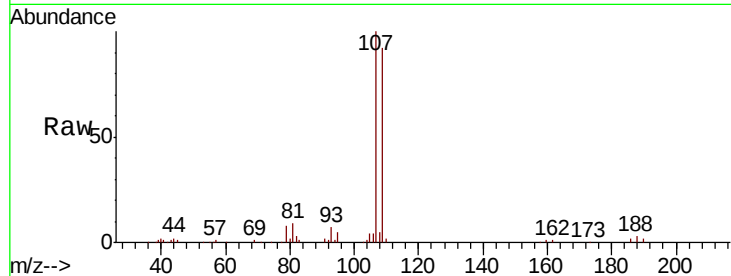




#61
 1,2-Dibromoethane
 Concen: 21.302 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

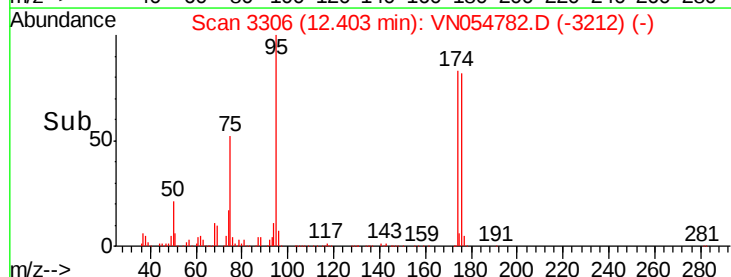
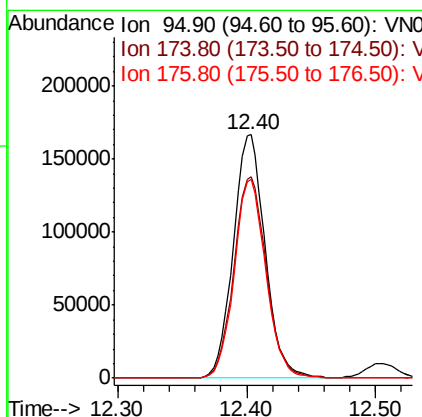
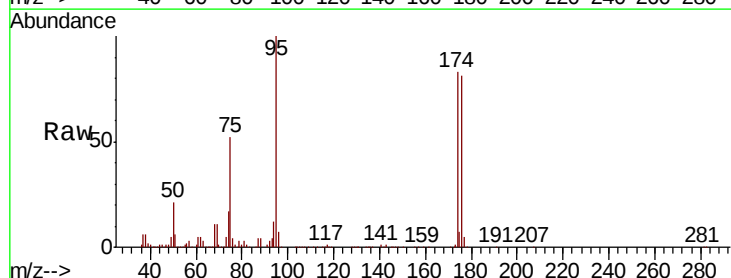
Instrument :
 MSVOA_N
 ClientSampled :

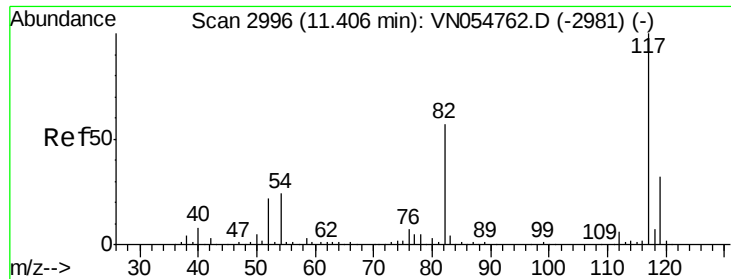
Tot Ion: 107 Resp: 85606
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.646 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion: 95 Resp: 285847
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 191.0
 176 80.9 0.0 187.4

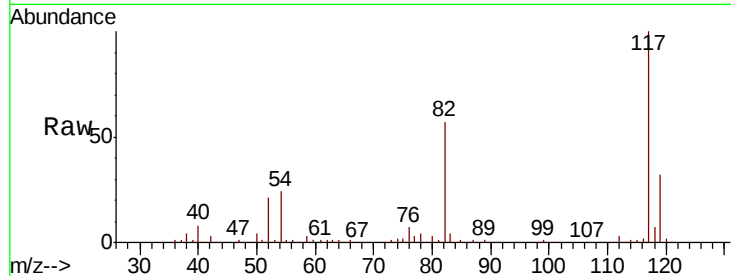




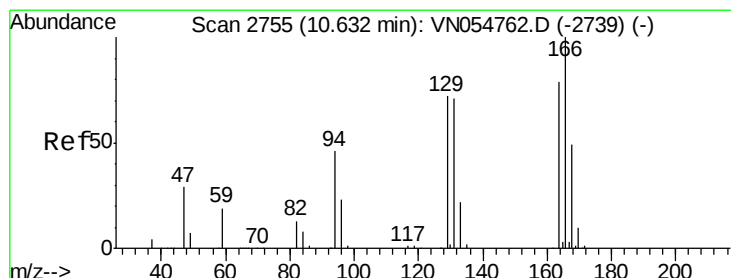
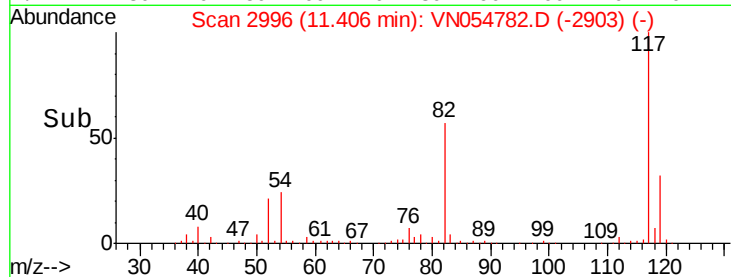
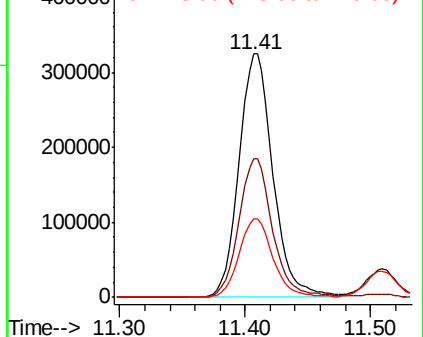
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 611257
Ion Ratio Lower Upper
117 100
82 57.0 40.0 60.0
119 32.4 25.8 38.6

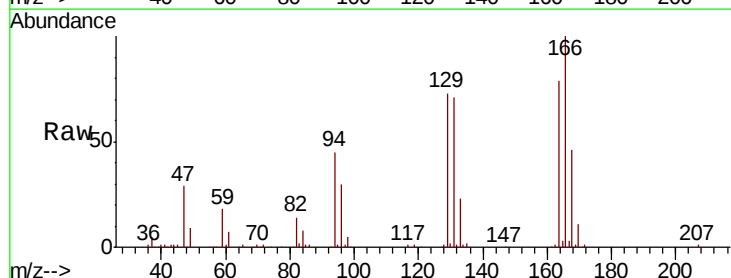


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

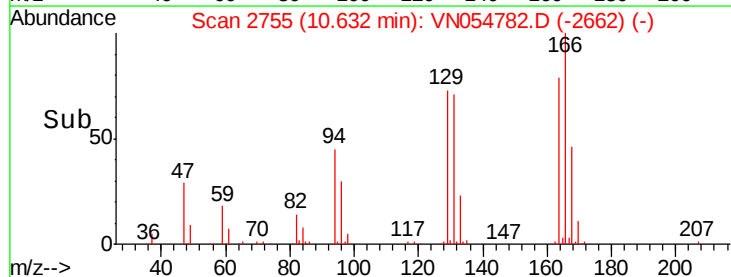
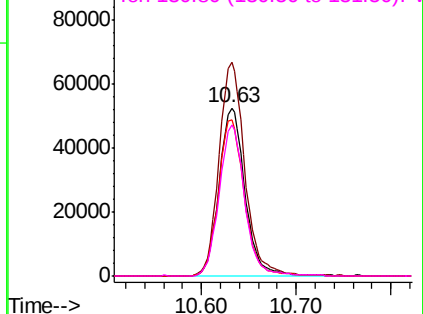


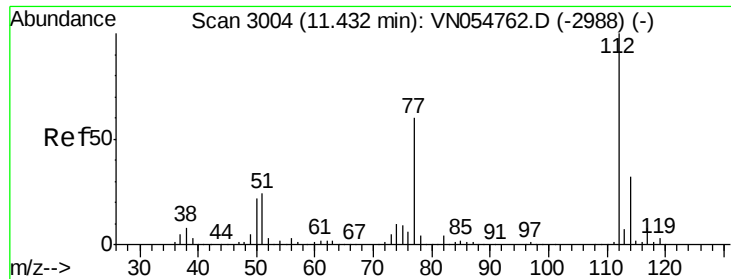
#64
Tetrachloroethene
Concen: 21.465 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion:164 Resp: 100684
Ion Ratio Lower Upper
164 100
166 126.9 103.9 155.9
129 93.0 71.1 106.7
131 90.0 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

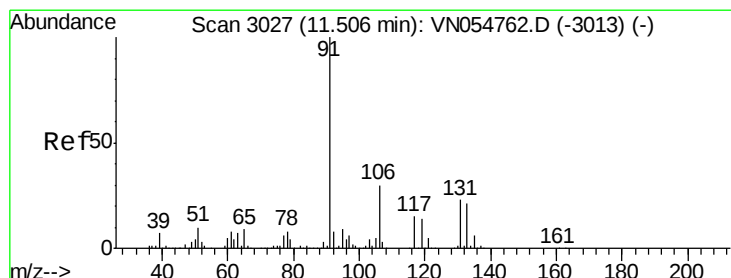
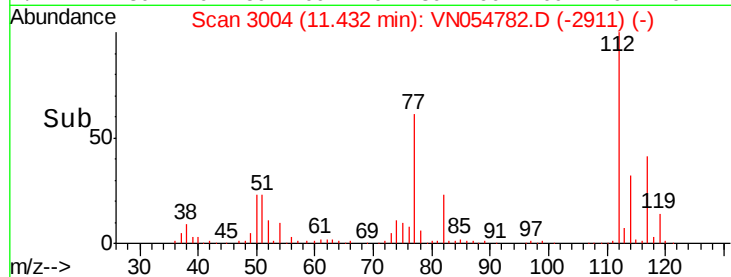
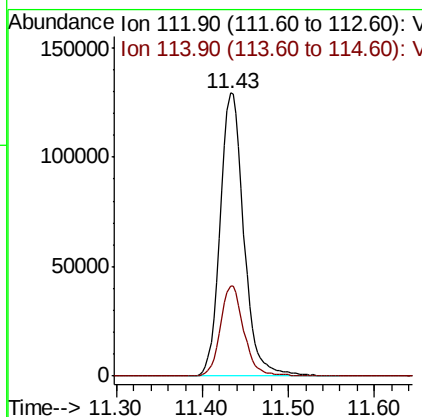
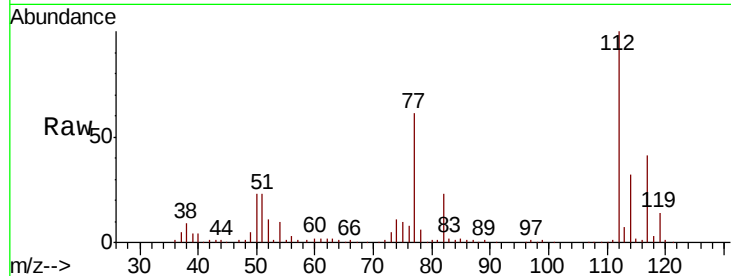




#65
Chlorobenzene
Concen: 20.752 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

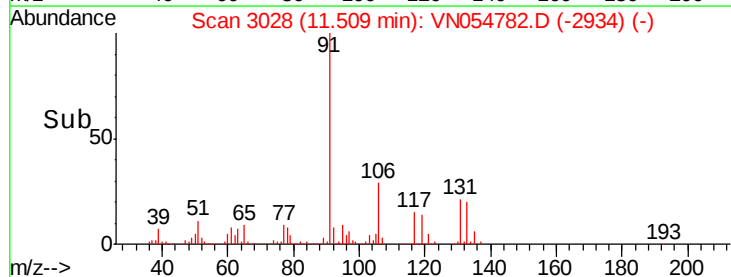
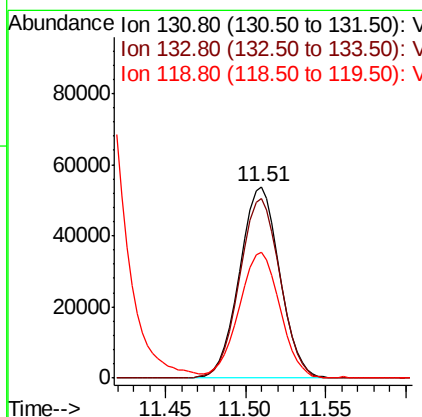
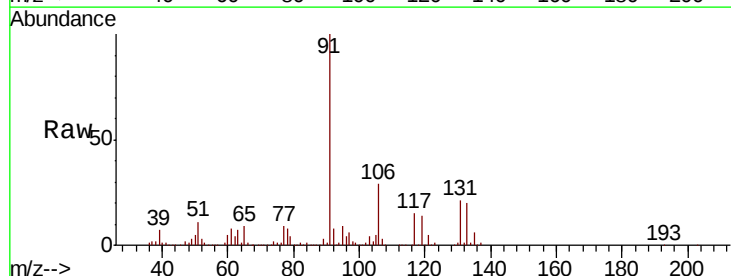
Instrument :
MSVOA_N
ClientSampled :

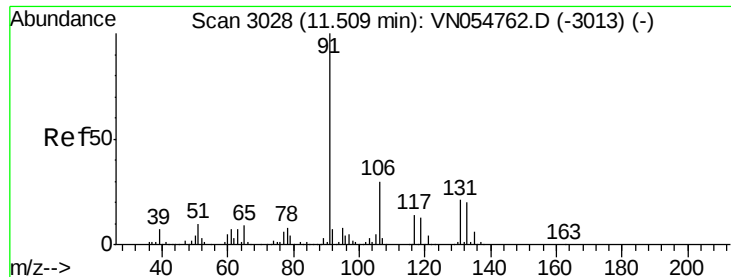
Tot Ion:112 Resp: 248353
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.550 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion:131 Resp: 92055
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 66.5 32.4 97.0

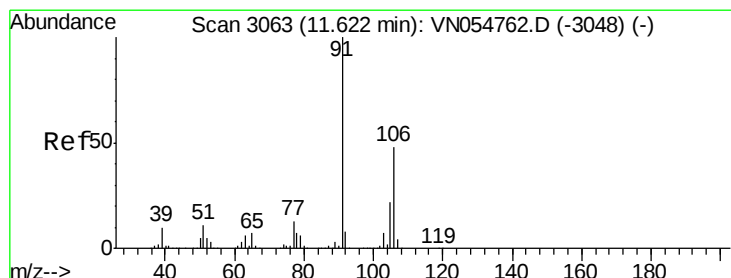
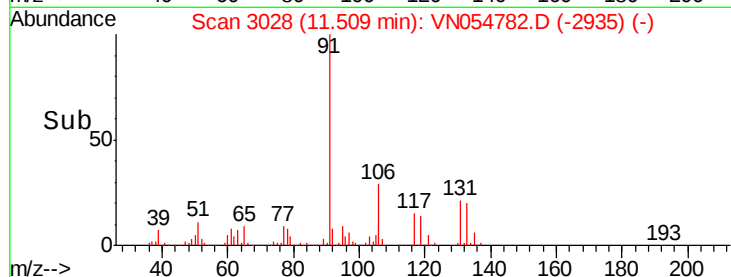
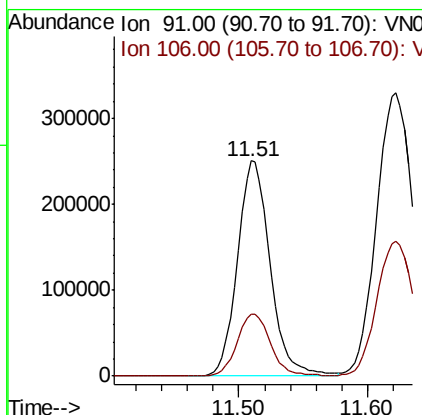
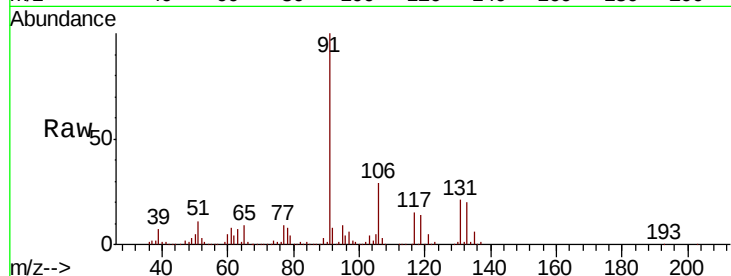




#67
Ethyl Benzene
Concen: 20.497 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

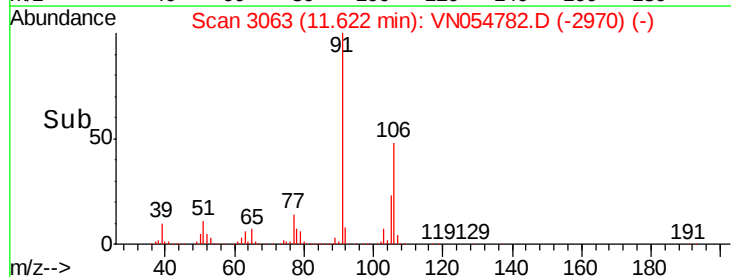
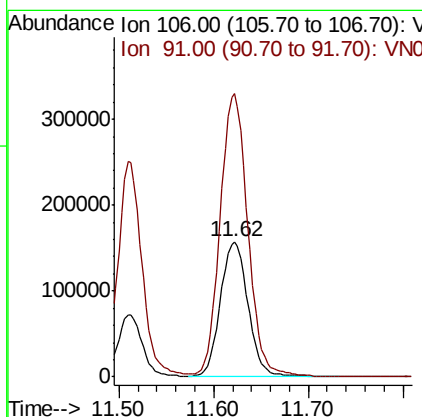
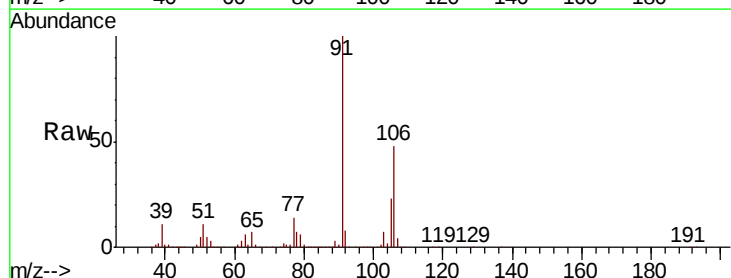
Instrument :
MSVOA_N
ClientSampled :

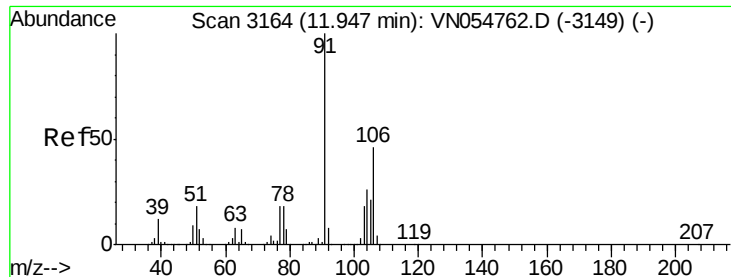
Tot Ion: 91 Resp: 442668
Ion Ratio Lower Upper
91 100
106 28.9 25.5 38.3



#68
m/p-Xylenes
Concen: 40.306 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 106 Resp: 322126
Ion Ratio Lower Upper
106 100
91 208.5 159.4 239.2

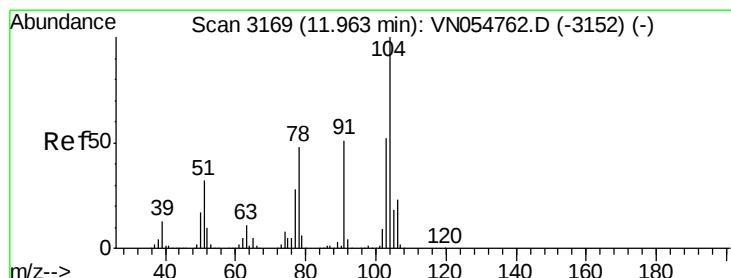
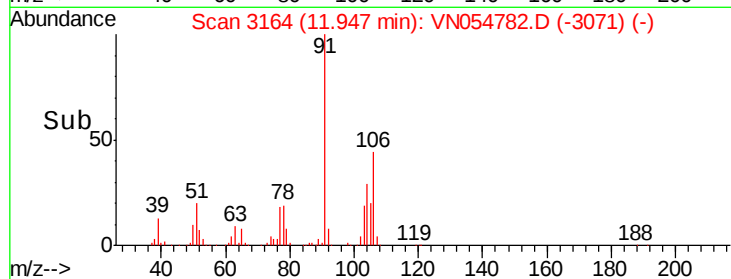
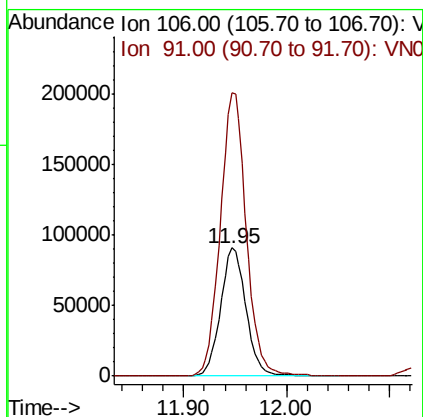
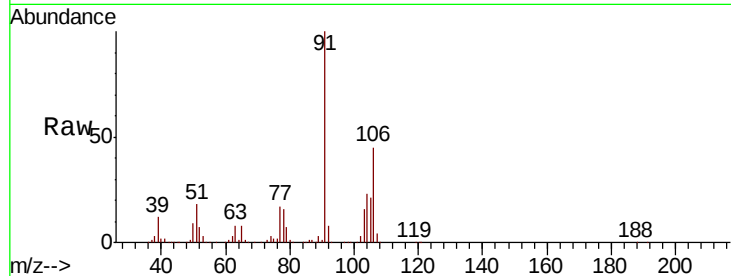




#69
o-Xylene
Concen: 19.991 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

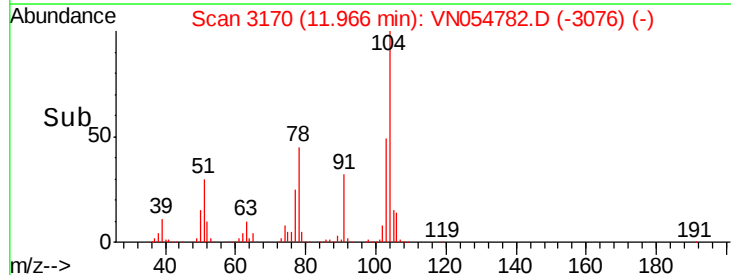
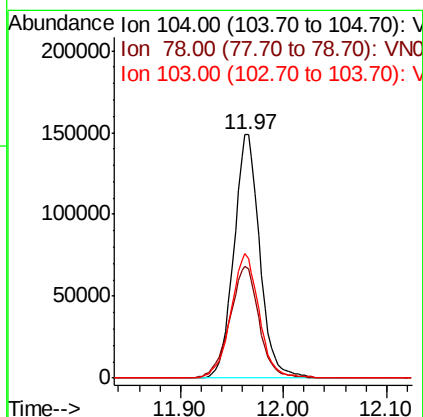
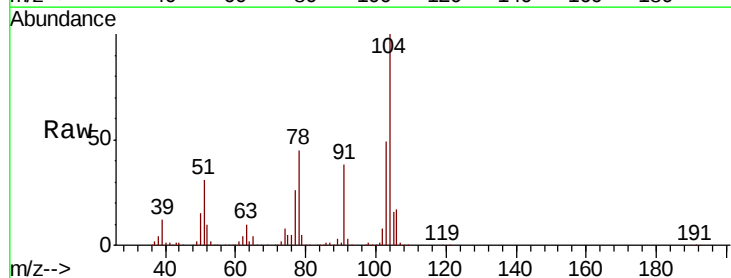
Instrument :
MSVOA_N
ClientSampled :

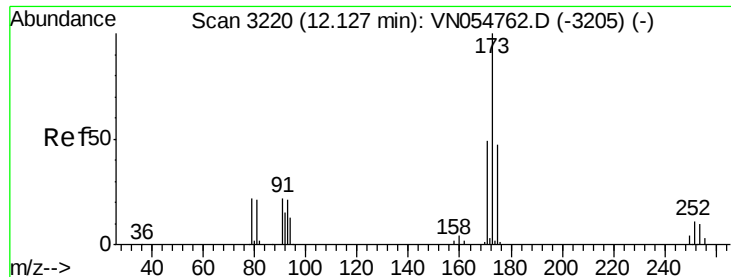
Tot Ion:106 Resp: 156666
Ion Ratio Lower Upper
106 100
91 224.7 105.7 317.1



#70
Styrene
Concen: 20.813 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion:104 Resp: 260799
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.7 44.4 66.6

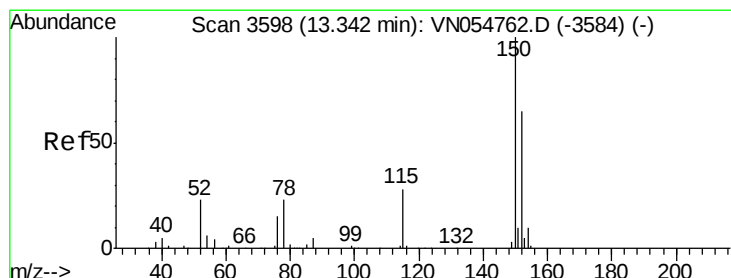
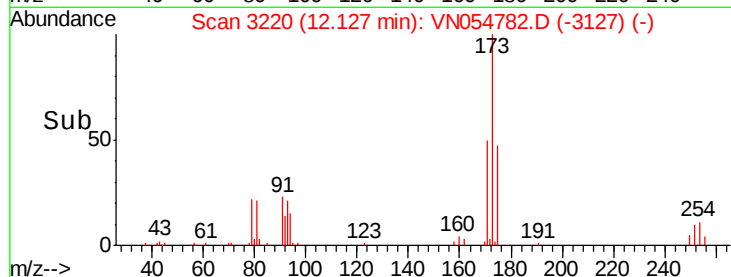
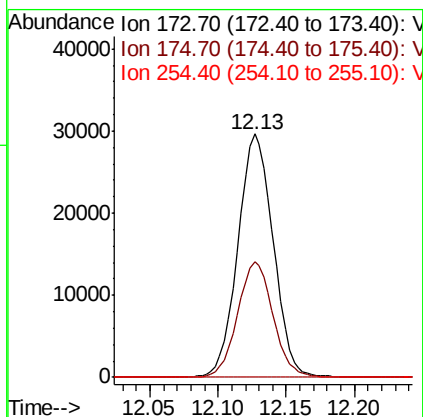
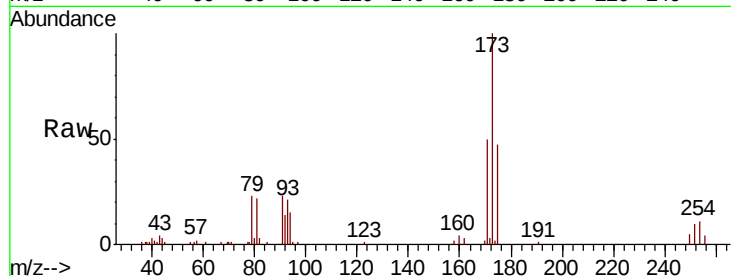




#71
Bromoform
Concen: 20.293 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

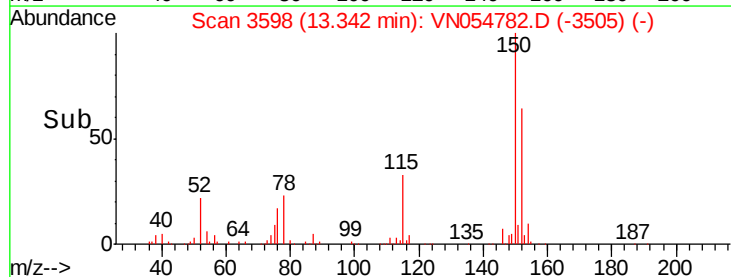
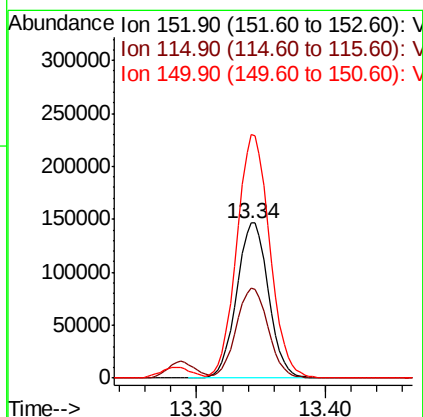
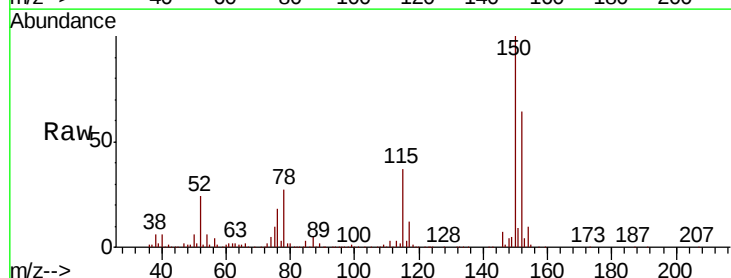
Instrument :
MSVOA_N
ClientSampleId :

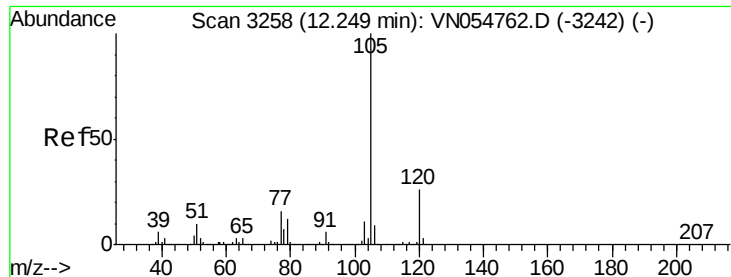
Tot Ion:173 Resp: 53253
Ion Ratio Lower Upper
173 100
175 47.5 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion:152 Resp: 251016
Ion Ratio Lower Upper
152 100
115 58.1 27.2 81.6
150 163.3 0.0 349.2





#73

Isopropylbenzene

Concen: 20.417 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

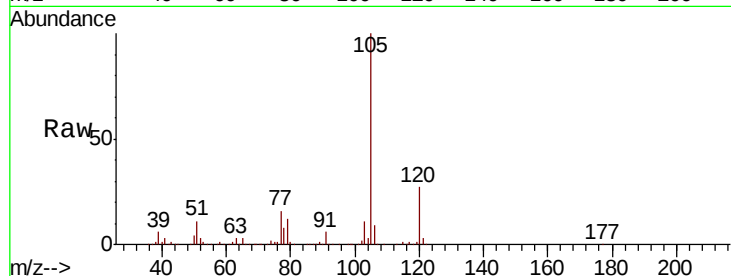
ClientSampled :

Tot Ion:105 Resp: 418897

Ion Ratio Lower Upper

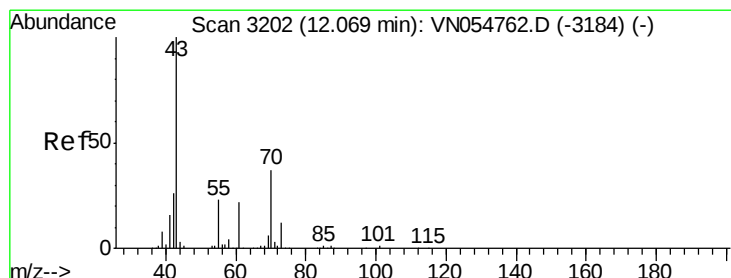
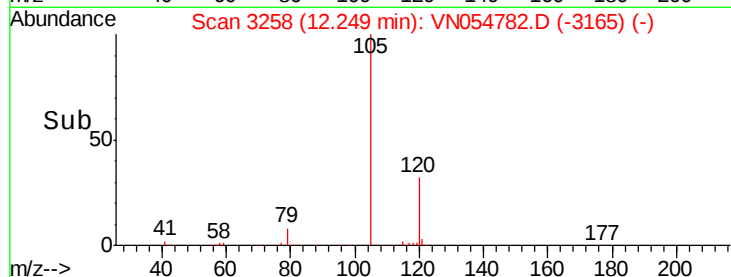
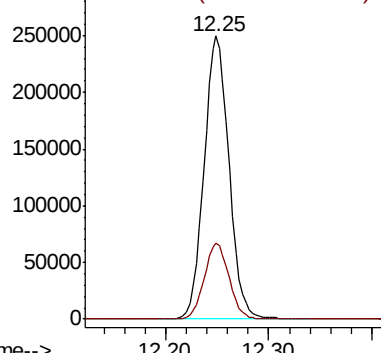
105 100

120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.489 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Tgt Ion: 43 Resp: 137353

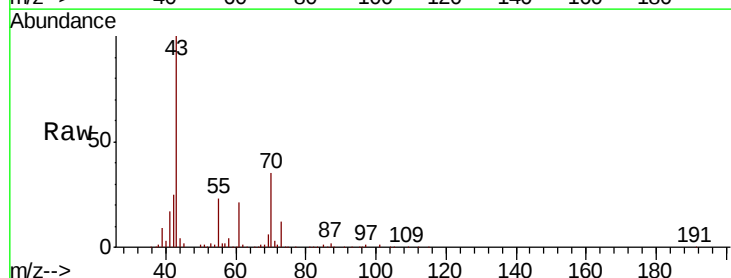
Ion Ratio Lower Upper

43 100

70 36.1 35.4 53.0

55 23.0 19.8 29.6

61 21.3 19.8 29.6

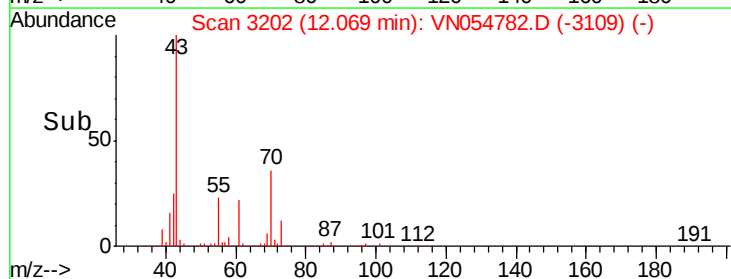
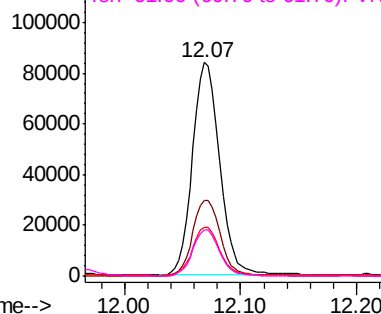


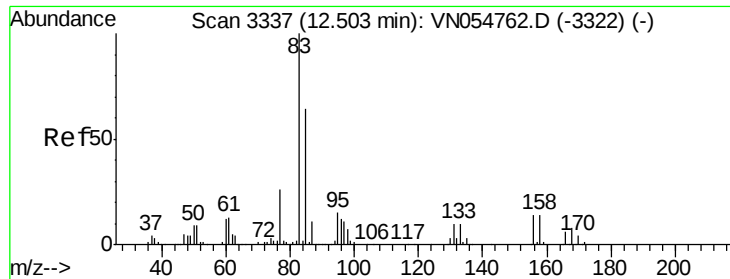
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.062 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

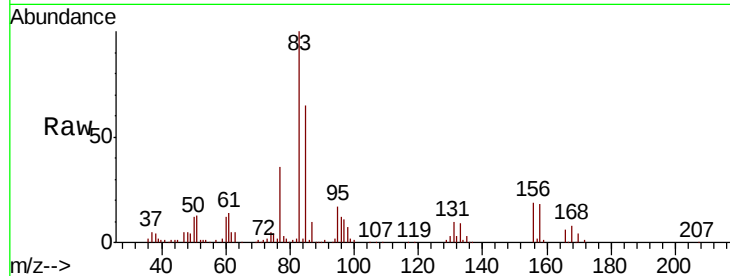
Tot Ion: 83 Resp: 108479

Ion Ratio Lower Upper

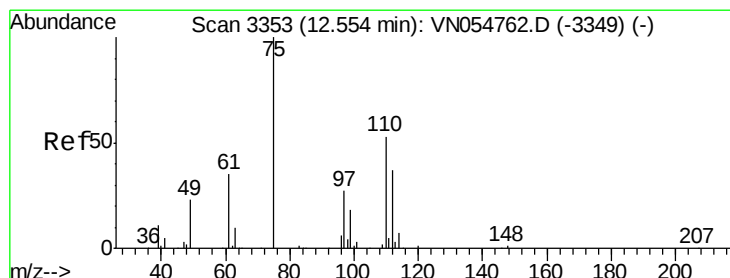
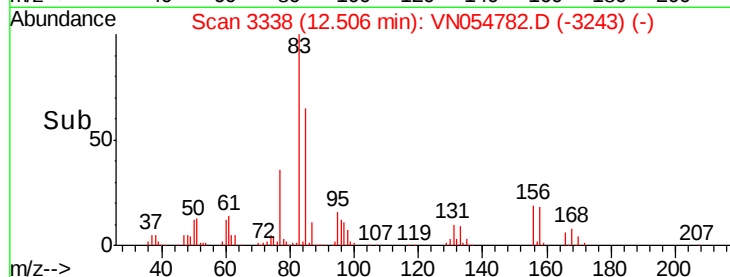
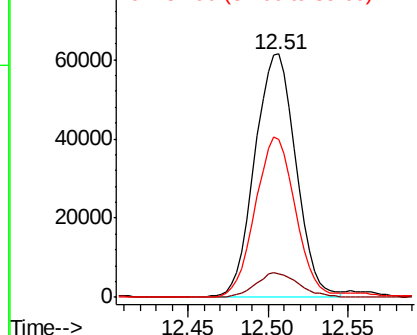
83 100

131 10.5 5.8 17.4

85 64.3 32.2 96.6



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: 29.238 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054782.D

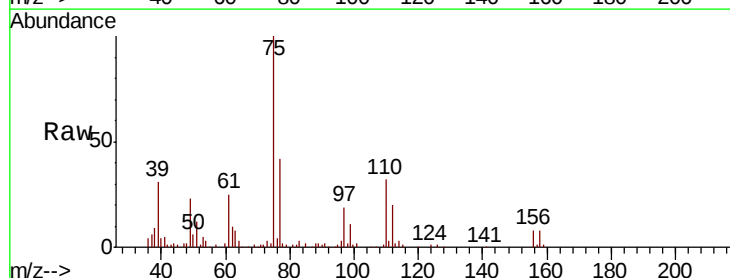
Acq: 29 Mar 2019 20:38

Tgt Ion: 75 Resp: 127500

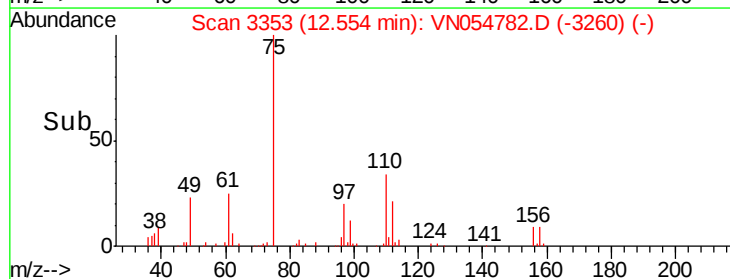
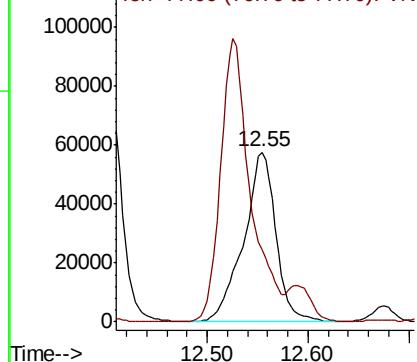
Ion Ratio Lower Upper

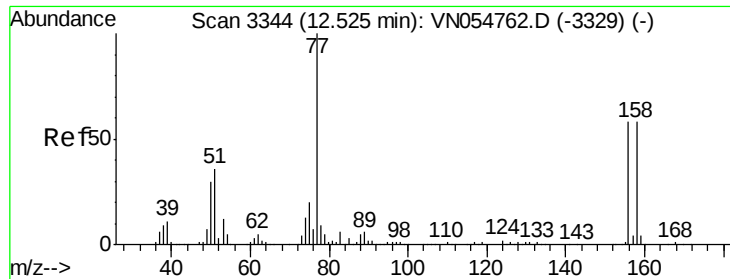
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

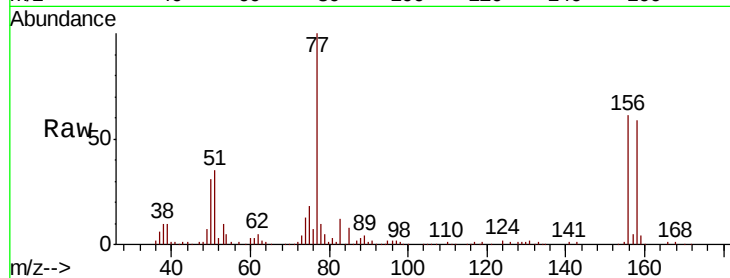




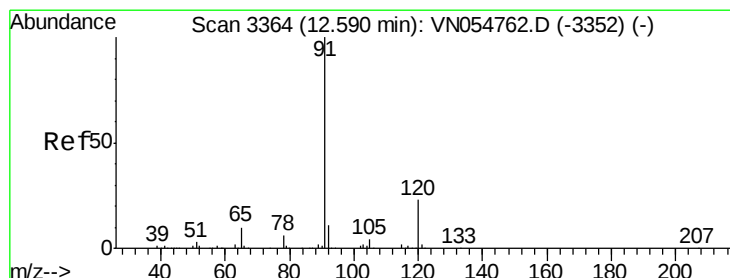
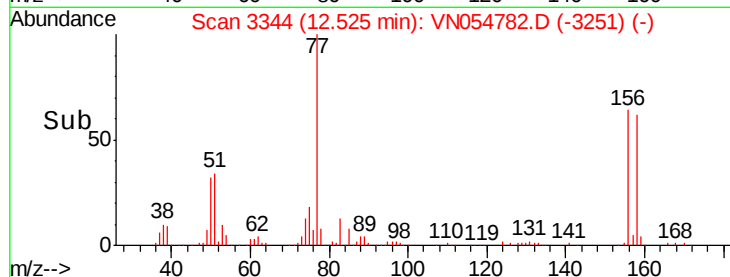
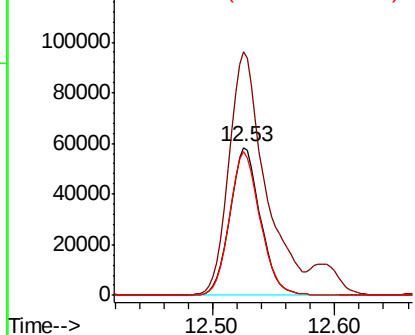
#77
Bromobenzene
Concen: 20.511 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:156 Resp: 101563
Ion Ratio Lower Upper
156 100
77 196.1 81.5 244.4
158 97.7 49.0 147.2

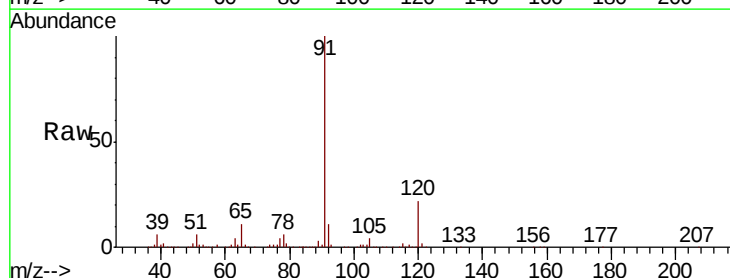


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V

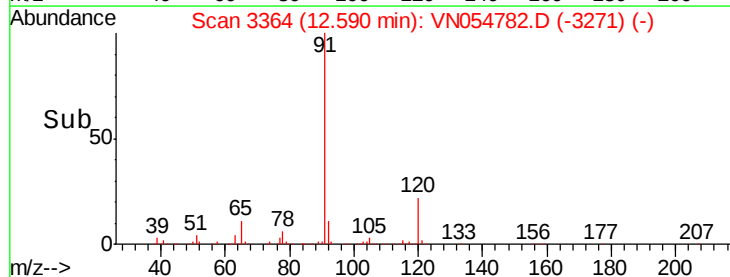
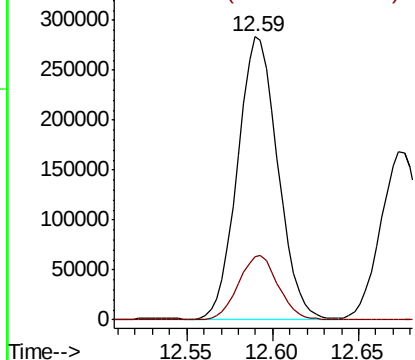


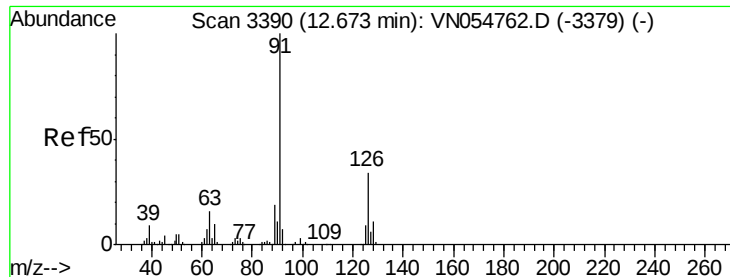
#78
n-propylbenzene
Concen: 20.303 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion: 91 Resp: 457832
Ion Ratio Lower Upper
91 100
120 22.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.252 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

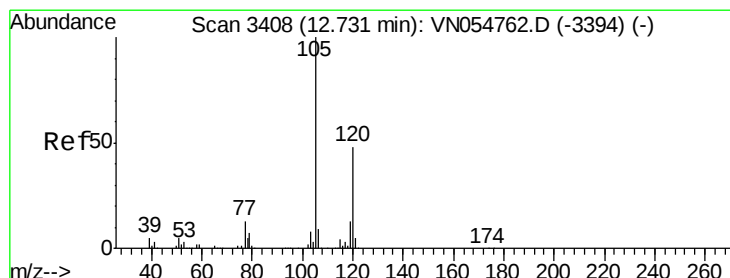
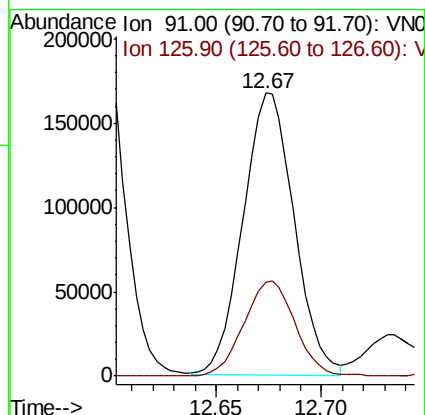
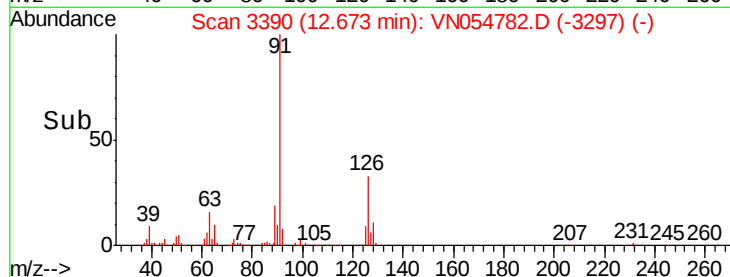
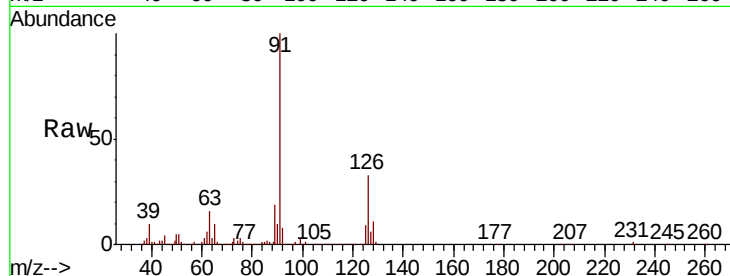
ClientSampleId :

Tot Ion: 91 Resp: 282534

Ion Ratio Lower Upper

91 100

126 34.1 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.379 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054782.D

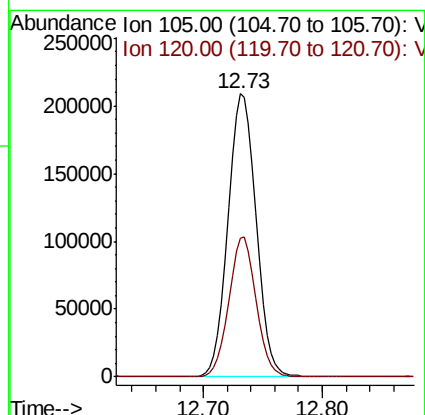
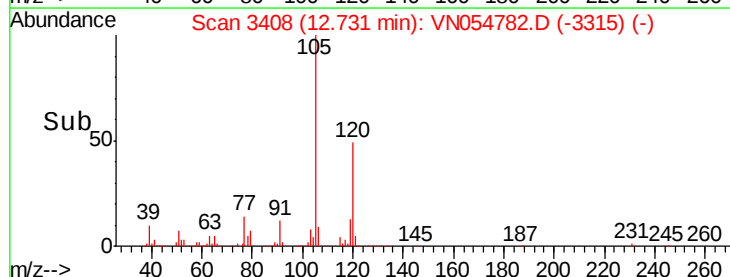
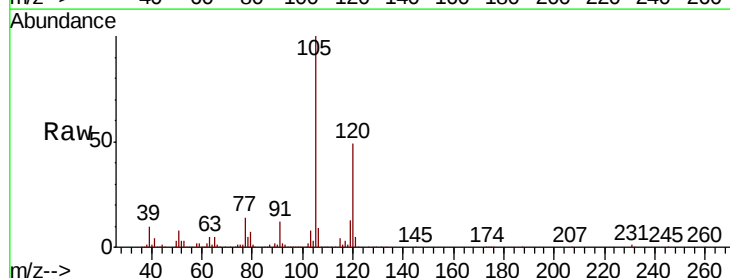
Acq: 29 Mar 2019 20:38

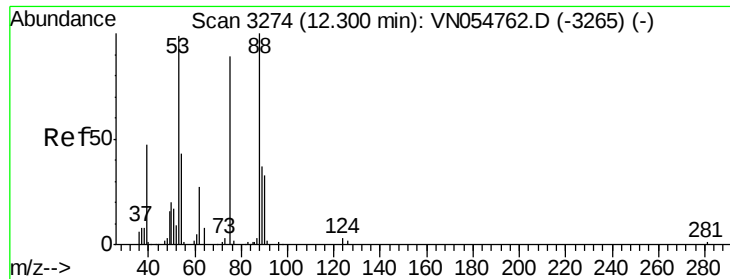
Tgt Ion: 105 Resp: 343086

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.626 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

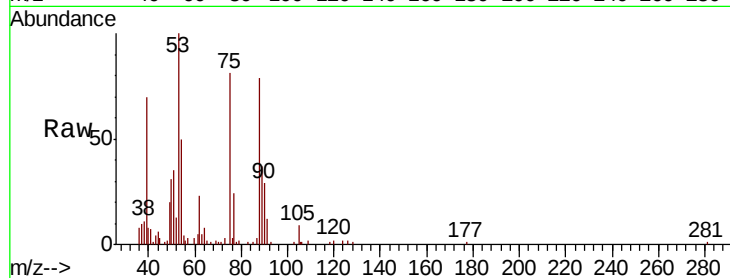
Tot Ion: 75 Resp: 20881

Ion Ratio Lower Upper

75 100

53 122.5 76.2 114.2#

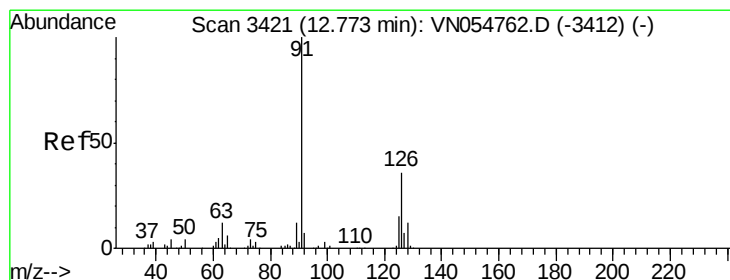
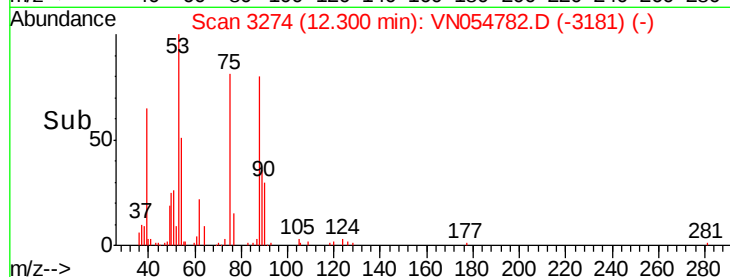
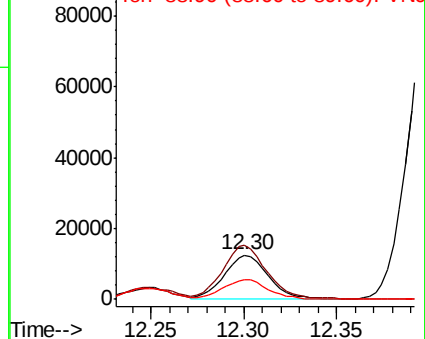
89 44.9 39.2 58.8



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: 20.097 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054782.D

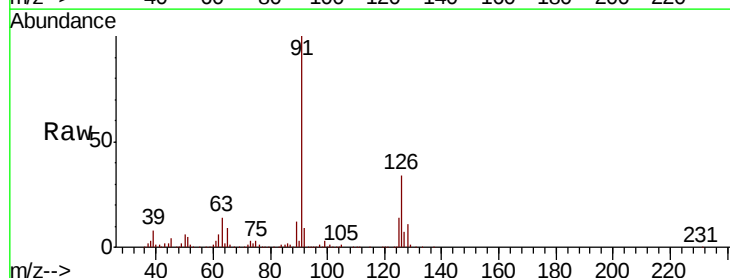
Acq: 29 Mar 2019 20:38

Tgt Ion: 91 Resp: 272327

Ion Ratio Lower Upper

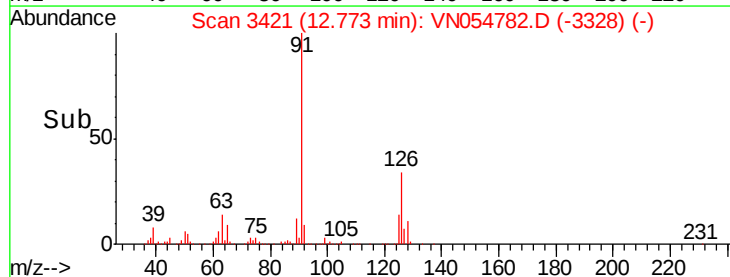
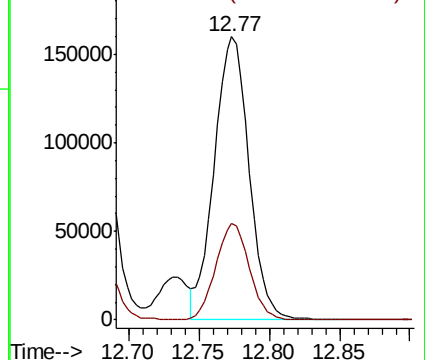
91 100

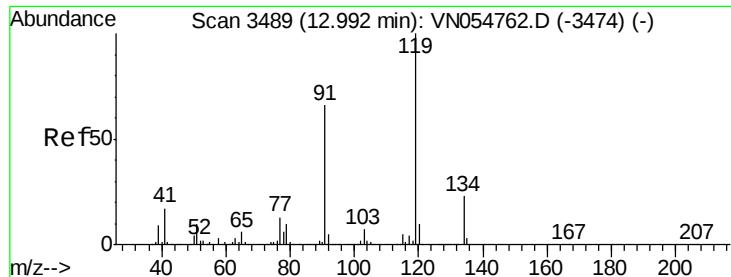
126 33.1 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

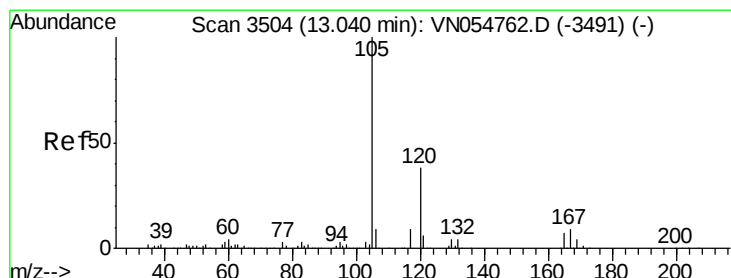
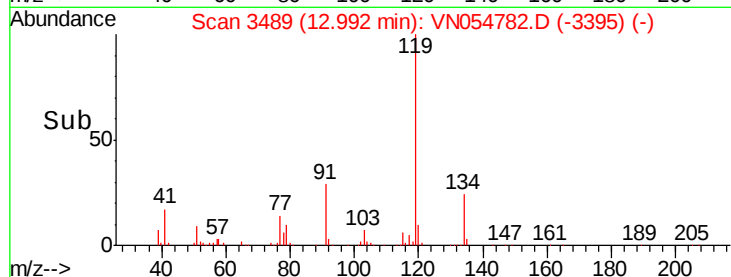
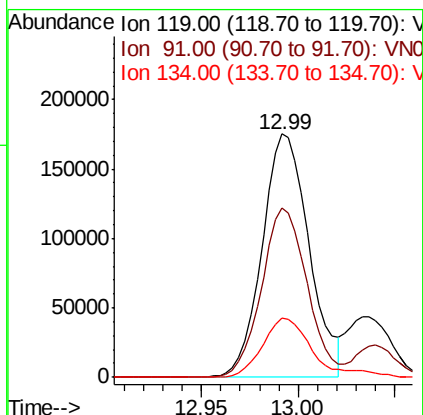
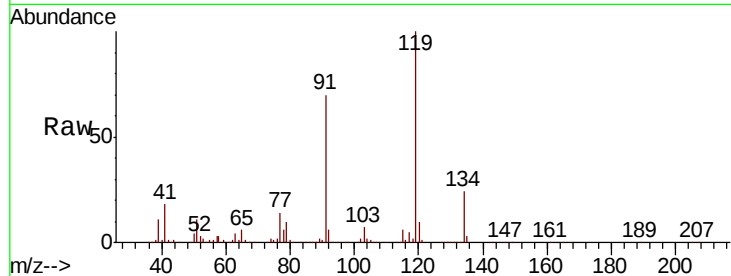




#83
tert-Butylbenzene
Concen: 21.478 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

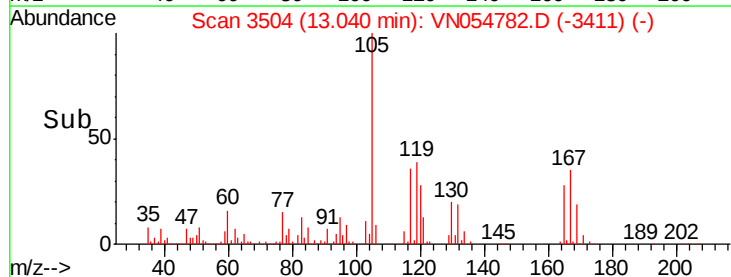
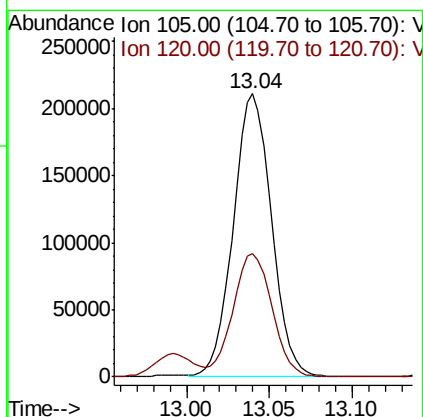
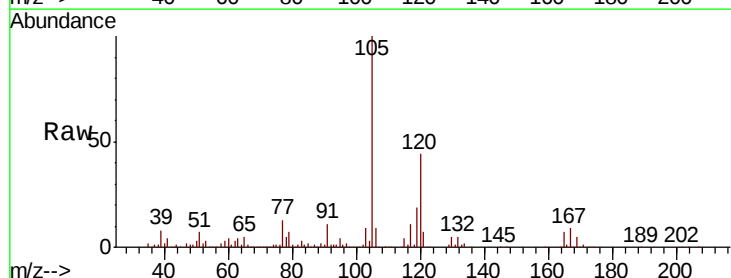
Instrument :
MSVOA_N
ClientSampleId :

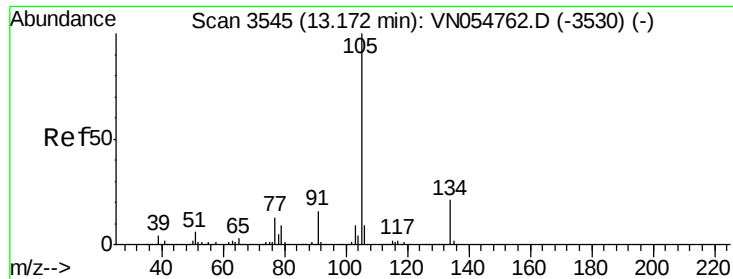
Tot Ion:119 Resp: 295684
Ion Ratio Lower Upper
119 100
91 67.7 30.9 92.8
134 26.1 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 21.011 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054782.D
Acq: 29 Mar 2019 20:38

Tgt Ion:105 Resp: 336995
Ion Ratio Lower Upper
105 100
120 44.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.135 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

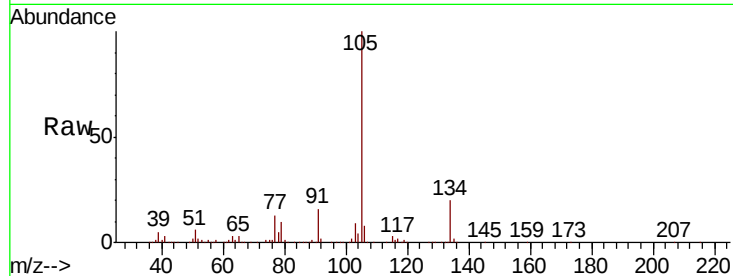
ClientSampled :

Tot Ion:105 Resp: 368220

Ion Ratio Lower Upper

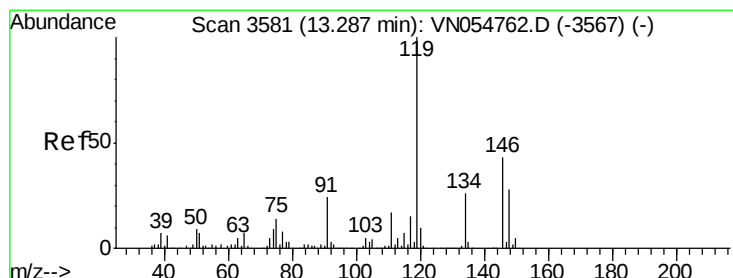
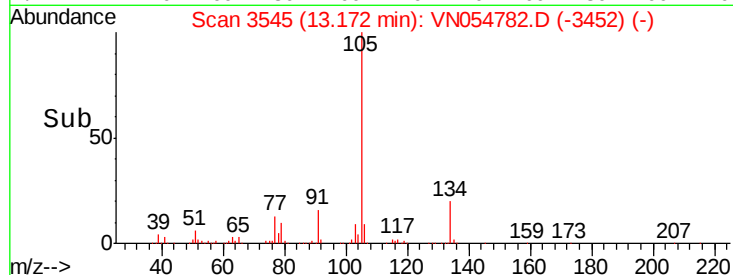
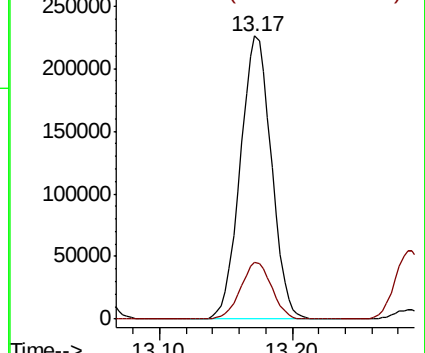
105 100

134 20.0 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.201 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

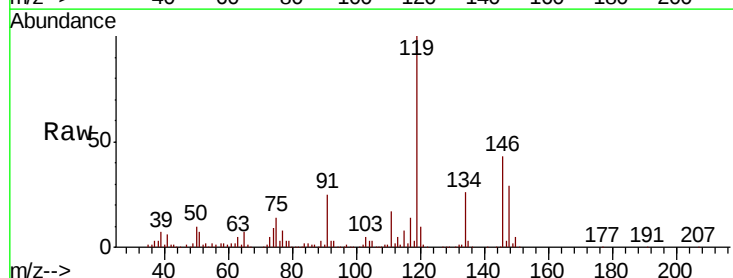
Tgt Ion:119 Resp: 325839

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

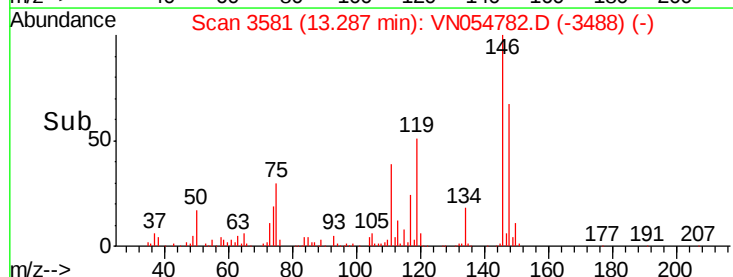
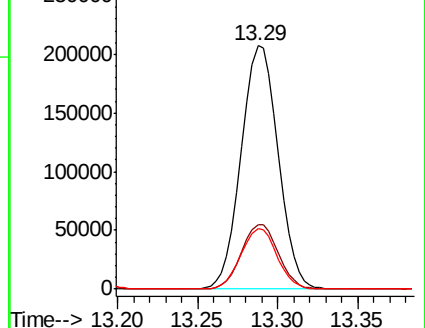
91 24.5 11.1 33.3

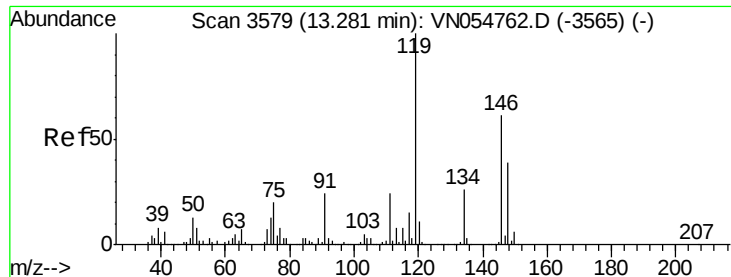


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

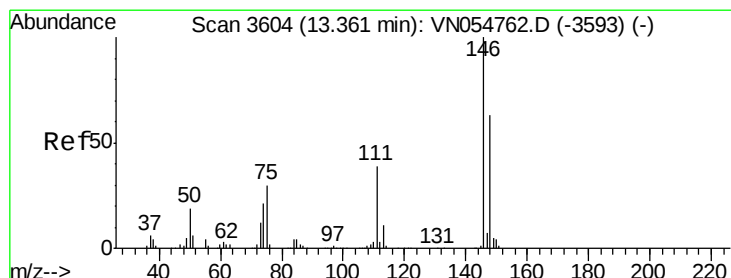
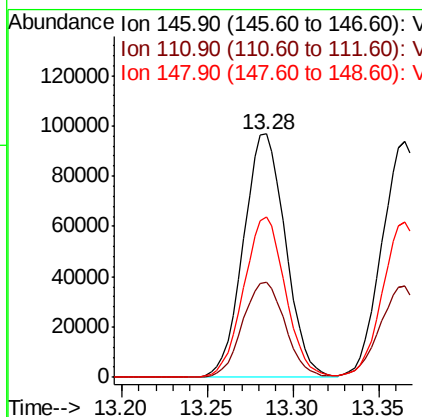
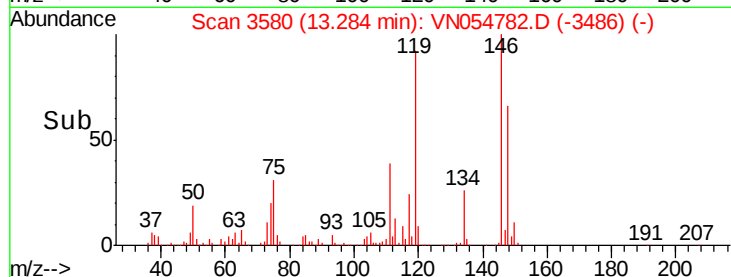
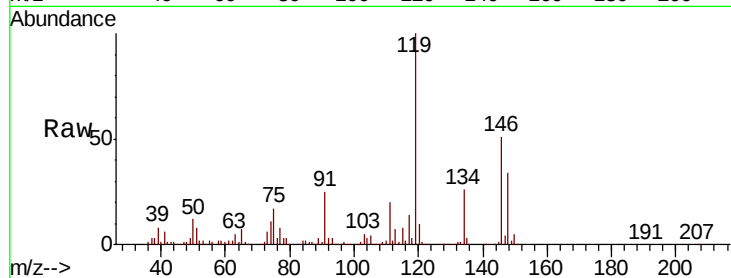




#87
 1,3-Dichlorobenzene
 Concen: 19.885 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

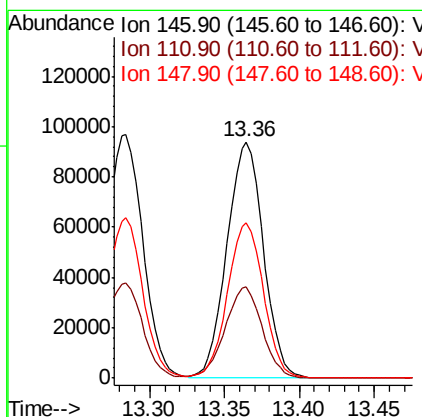
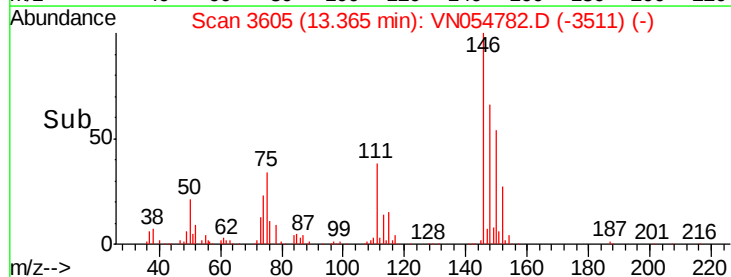
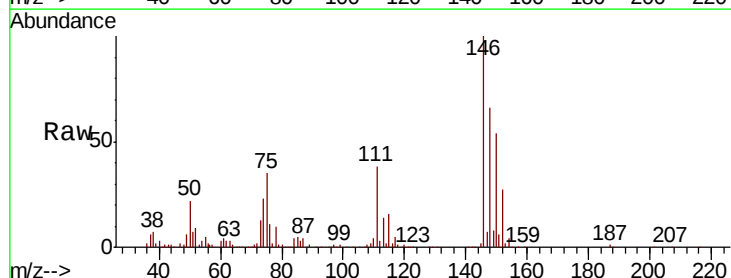
Instrument :
 MSVOA_N
 ClientSampleId :

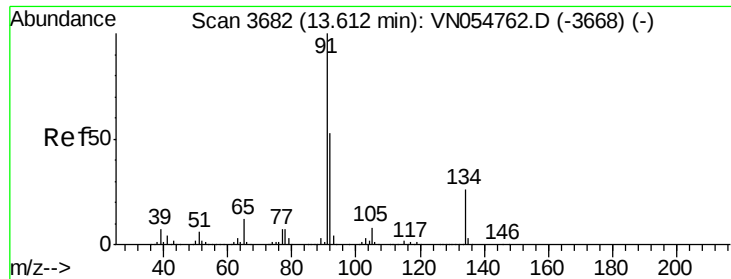
Tot Ion:146 Resp: 164852
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.8 56.3
 148 65.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.622 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion:146 Resp: 159546
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.1 54.1
 148 64.9 32.0 96.0





#89

n-Butylbenzene

Concen: 18.855 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

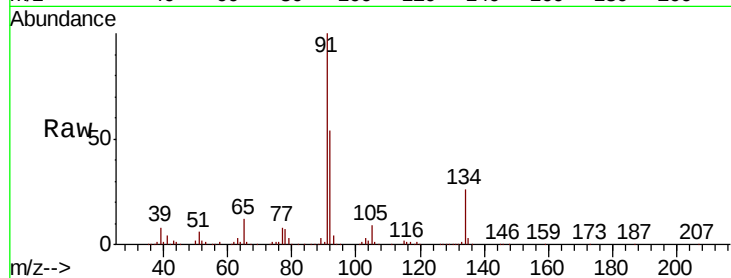
Tot Ion: 91 Resp: 248131

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.6

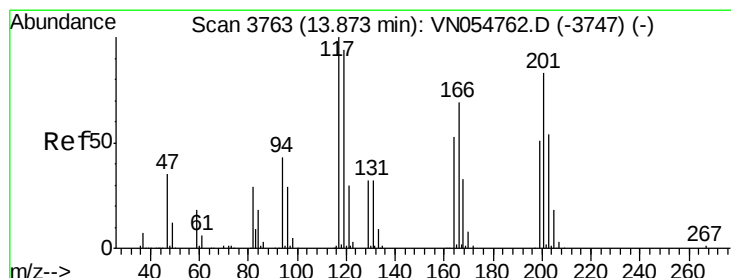
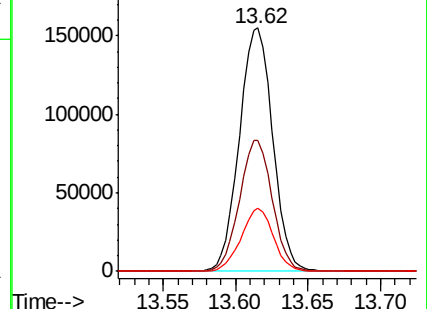
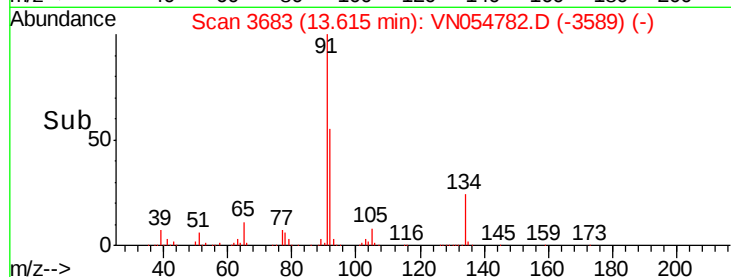
134 25.1 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054782.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054782.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054782.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.546 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054782.D

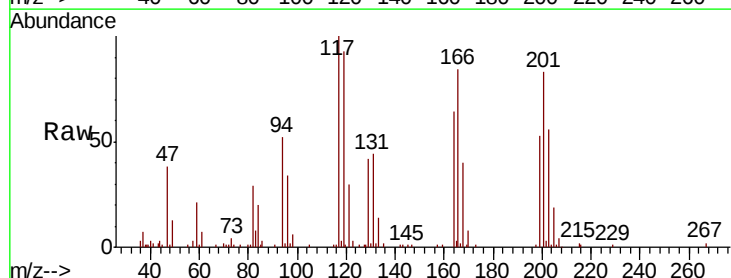
Acq: 29 Mar 2019 20:38

Tgt Ion: 117 Resp: 50791

Ion Ratio Lower Upper

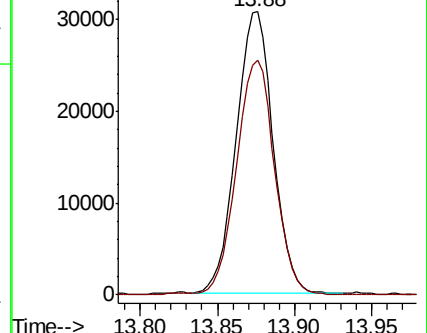
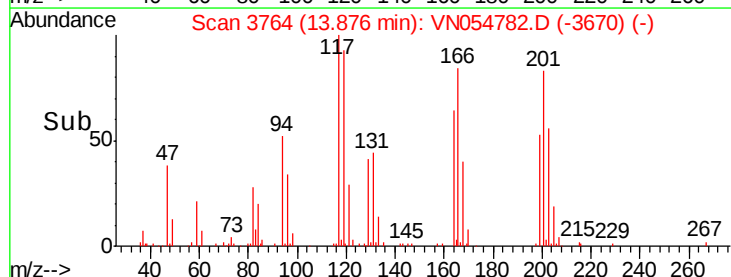
117 100

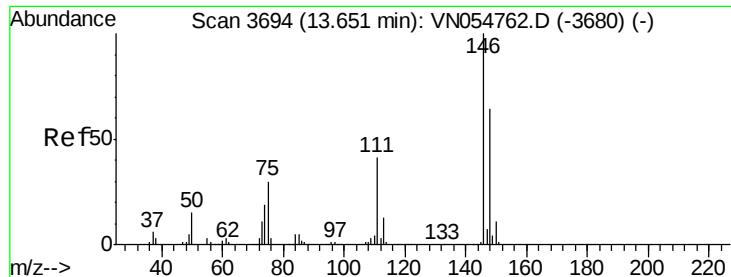
201 86.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054782.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054782.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 19.966 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

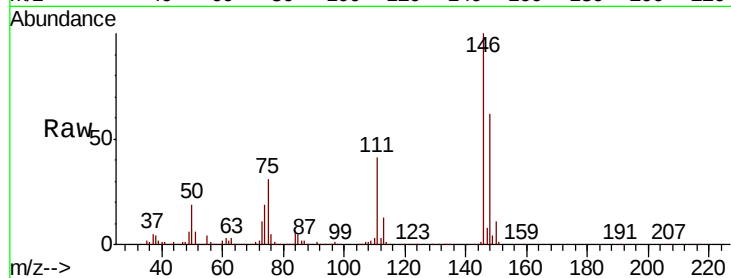
Tot Ion:146 Resp: 167055

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.3

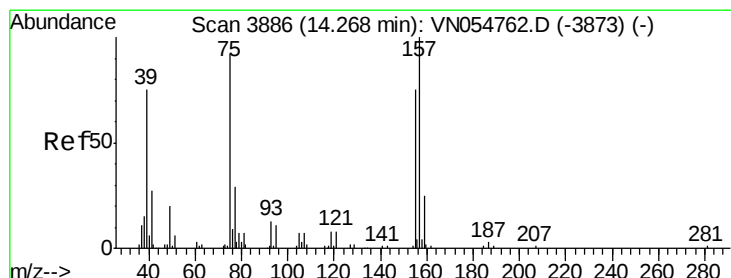
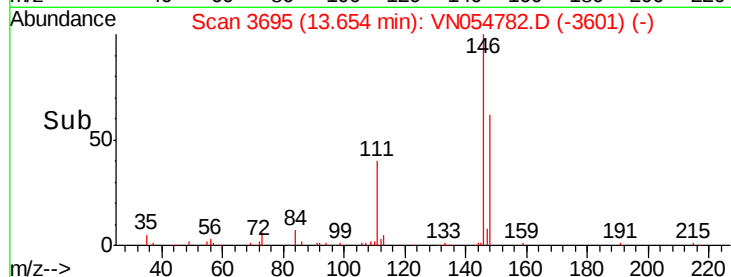
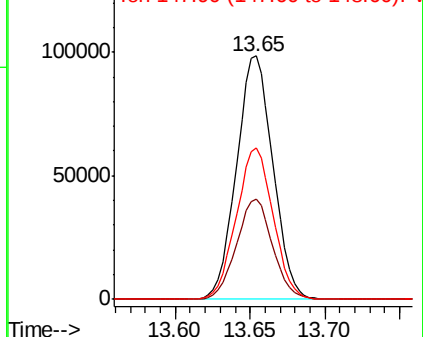
148 62.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.587 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

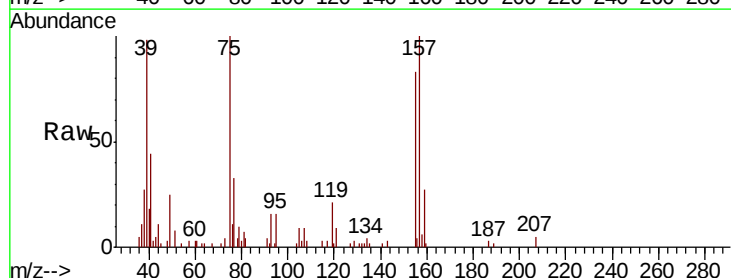
Tgt Ion: 75 Resp: 15141

Ion Ratio Lower Upper

75 100

155 88.0 50.1 150.3

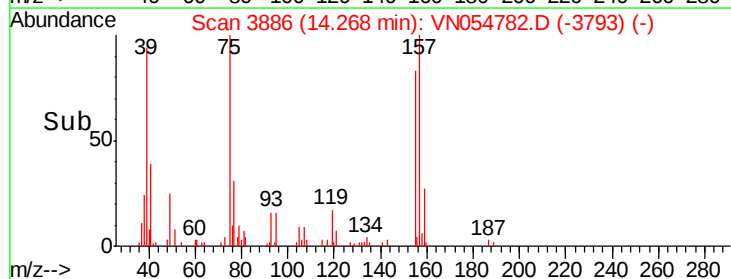
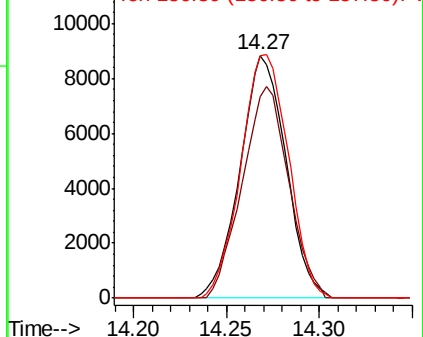
157 104.0 63.1 189.3

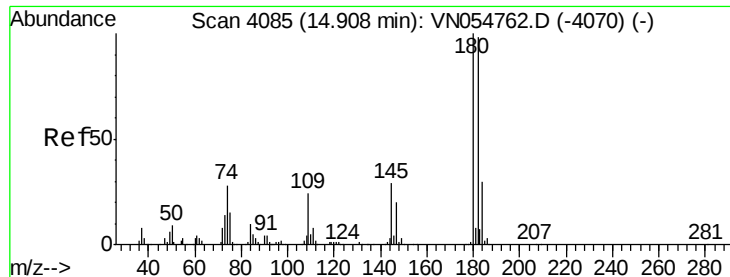


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

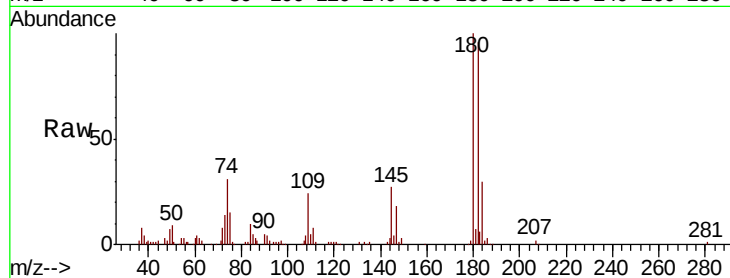




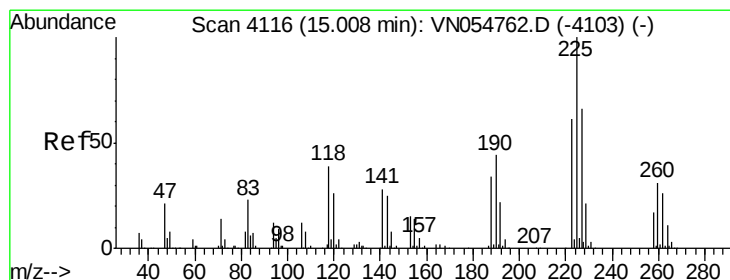
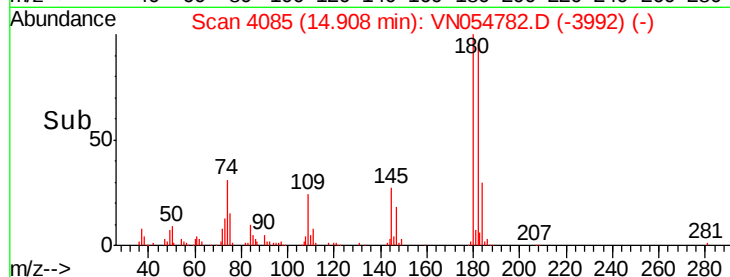
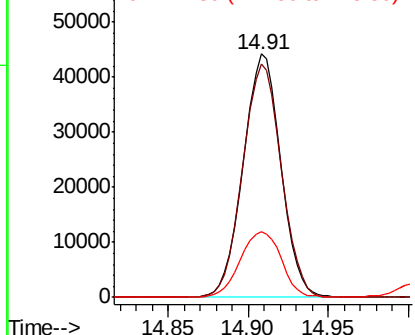
#93
 1,2,4-Trichlorobenzene
 Concen: 17.575 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 70892
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.0 144.2
 145 29.4 14.2 42.8

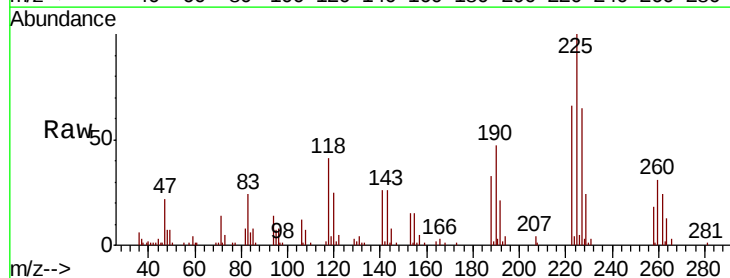


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

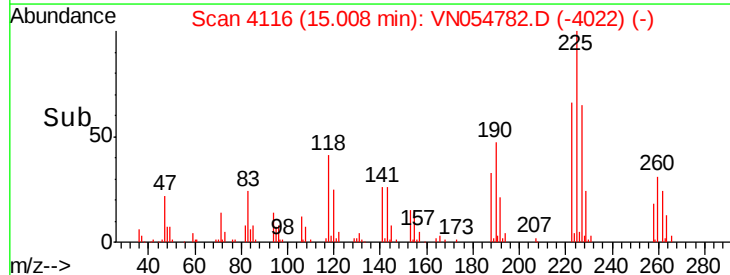
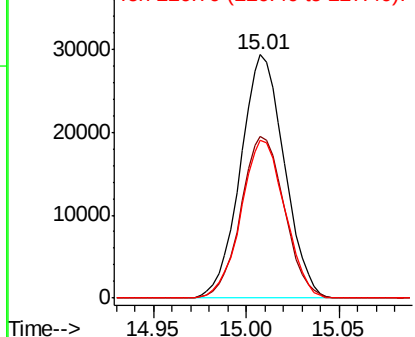


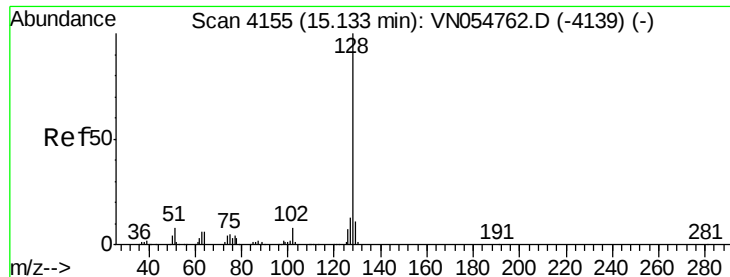
#94
 Hexachlorobutadiene
 Concen: 18.845 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054782.D
 Acq: 29 Mar 2019 20:38

Tgt Ion:225 Resp: 48149
 Ion Ratio Lower Upper
 225 100
 223 65.7 31.1 93.5
 227 64.8 31.9 95.9



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: 18.804 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

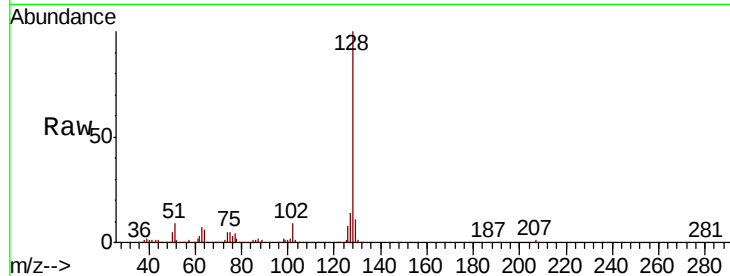
Tot Ion:128 Resp: 170114

Ion Ratio Lower Upper

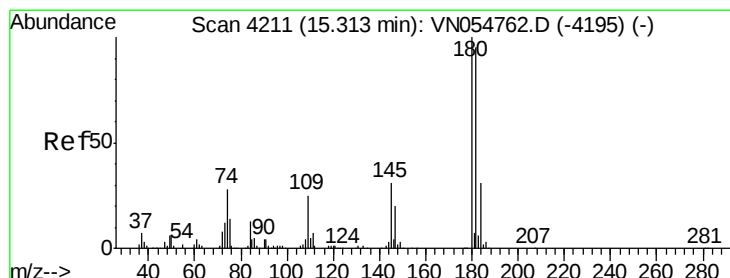
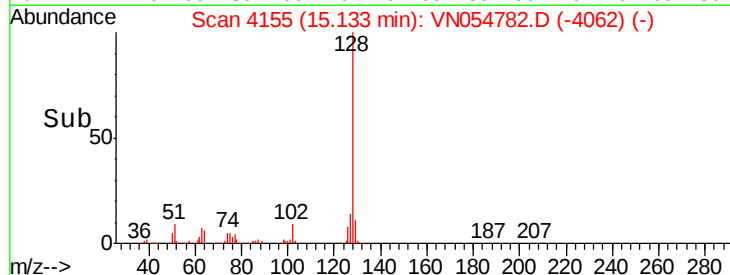
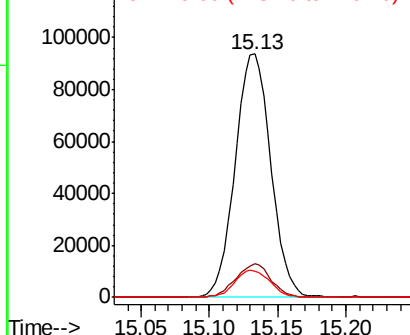
128 100

127 13.6 10.1 15.1

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.733 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054782.D

Acq: 29 Mar 2019 20:38

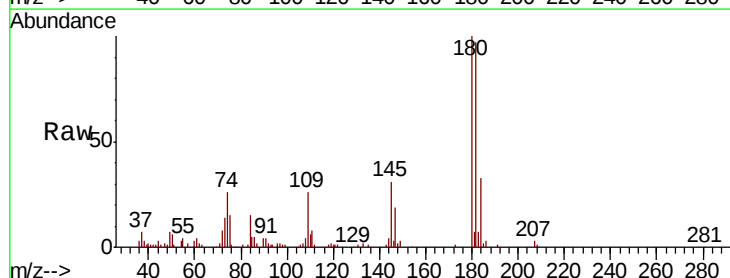
Tgt Ion:180 Resp: 76312

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.6

145 31.9 14.8 44.3



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

