

Data File : VN054979.D
Acq On : 11 Apr 2019 15:47
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Apr 12 07:43:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:37:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	76832	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	421317	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	371435	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	170863	31.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.43%
60) 4-Bromofluorobenzene	12.40	95	184196	32.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	108.67%
63) Toluene-d8	10.09	98	525266	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	421457	109.275	ug/l	100
3) Chloromethane	2.06	50	576539	112.930	ug/l	97
4) Vinyl Chloride	2.19	62	498126	98.370	ug/l	99
5) Bromomethane	2.55	94	288367	93.106	ug/l	96
6) Chloroethane	2.70	64	273597	92.289	ug/l	98
7) Trichlorofluoromethane	3.02	101	643114	104.140	ug/l	98
8) Diethyl Ether	3.41	74	207960	91.375	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	342377	87.002	ug/l	98
10) 1,1-Dichloroethene	3.73	96	318456	86.819	ug/l	99
11) Methyl Iodide	3.94	142	513873	95.299	ug/l	98
12) Methyl Acetate	4.33	43	426648	135.322	ug/l	99
13) Acrolein	3.61	56	178600	590.728	ug/l	97
14) Acrylonitrile	5.00	53	862114	581.213	ug/l	99
15) Acetone	3.82	58	193964	451.625	ug/l	98
16) Carbon Disulfide	4.04	76	1144115	96.632	ug/l	99
17) Allyl chloride	4.32	41	841374	127.998	ug/l	99
18) Methylene Chloride	4.54	84	469285	108.943	ug/l	97
19) trans-1,2-Dichloroethene	5.03	96	435755	108.579	ug/l	98
20) Diisopropyl ether	5.96	45	1682587	127.418	ug/l	97
21) 1,1-Dichloroethane	5.85	63	880887	113.101	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	501516	111.888	ug/l	100
23) tert-Butyl Alcohol	4.82	59	142359	543.908	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	1165149	117.255	ug/l	# 67
25) Chloroform	7.37	83	845603	112.645	ug/l	99
26) Cyclohexane	7.65	56	829849	117.718	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	660384	114.197	ug/l	98
30) 2-Butanone	6.84	43	1106457	607.103	ug/l	100
31) 2,2-Dichloropropane	6.82	77	612988	107.947	ug/l	# 100
32) 1,1,1-Trichloroethane	7.57	97	695870	111.900	ug/l	97
33) Carbon Tetrachloride	7.77	117	604802	110.090	ug/l	97
34) Benzene	8.04	78	1925978	112.089	ug/l	# 90
35) Methacrylonitrile	7.18	41	276645	133.039	ug/l	94
36) 1,2-Dichloroethane	8.12	62	644563	115.515	ug/l	100
37) Trichloroethene	8.83	130	485133	107.806	ug/l	94
38) Methylcyclohexane	9.08	83	752788	110.432	ug/l	99
39) 1,2-Dichloropropane	9.12	63	537363	113.708	ug/l	98
40) Dibromomethane	9.21	93	298143	110.376	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	641233	112.444	ug/l	98
42) Vinyl Acetate	5.90	43	5809783	622.923	ug/l	99
43) Ethyl Acetate	6.94	43	451152	118.530	ug/l	97
44) Isopropyl Acetate	8.17	43	793321	119.588	ug/l	98
45) 1,4-Dioxane	9.20	88	86450	2451.472	ug/l	97
46) Methyl methacrylate	9.20	41	414031	129.690	ug/l	97
47) n-amyl Acetate	12.07	43	630889	131.683	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	633032	112.665	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	756611	113.785	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	407415	107.944	ug/l	99
51) Ethyl methacrylate	10.43	69	523900	117.940	ug/l	100
52) 1,3-Dichloropropane	10.71	76	733652	113.554	ug/l	99
53) Dibromochloromethane	10.90	129	449725	109.788	ug/l	97
54) 1,2-Dibromoethane	11.00	107	400989	112.775	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	1127307	551.876	ug/l	100
56) Bromoform	12.13	173	292609	108.689	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	2276219	628.496	ug/l	99
59) 2-Hexanone	10.75	43	1449836	612.509	ug/l	98
61) Tetrachloroethene	10.63	164	465114	101.957	ug/l	97
62) Toluene	10.15	91	2029991	111.415	ug/l	99
64) Chlorobenzene	11.43	112	1240774	111.619	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	453293	111.715	ug/l	99
66) Ethyl Benzene	11.51	91	2215735	116.360	ug/l	100
67) m/p-Xylenes	11.62	106	1657368	232.246	ug/l	100
68) o-Xylene	11.95	106	821051	118.231	ug/l	98
69) Styrene	11.96	104	1301066	119.566	ug/l	99
70) Isopropylbenzene	12.25	105	2167628	118.860	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	503911	112.787	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	614956	180.183	ug/l	58
73) Bromobenzene	12.53	156	527581	115.459	ug/l	99
74) n-propylbenzene	12.59	91	2492034	115.379	ug/l	100
75) 2-Chlorotoluene	12.67	91	1481659	116.723	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1762997	114.688	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	119046	102.663	ug/l	85
78) 4-Chlorotoluene	12.77	91	1480150	117.515	ug/l	99
79) tert-butylbenzene	12.99	119	1525765	113.022	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1790414	117.801	ug/l	98
81) sec-Butylbenzene	13.17	105	2062559	111.871	ug/l	99
82) p-Isopropyltoluene	13.29	119	1767282	112.655	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	922758	115.515	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	896027	117.759	ug/l	99
85) n-Butylbenzene	13.61	91	1511146	112.540	ug/l	99
86) Hexachloroethane	13.87	117	290533	99.525	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	892701	115.142	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	74080	117.409	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	465146	122.631	ug/l	97
90) Hexachlorobutadiene	15.01	225	274110	95.576	ug/l	98
91) Naphthalene	15.13	128	999975	132.834	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	446612	118.080	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041119\
Quantitation Report (Not Reviewed)

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VSTDICC100

Quant Time: Apr 12 07:43:22 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:37:15 2019
Response via : Initial Calibration

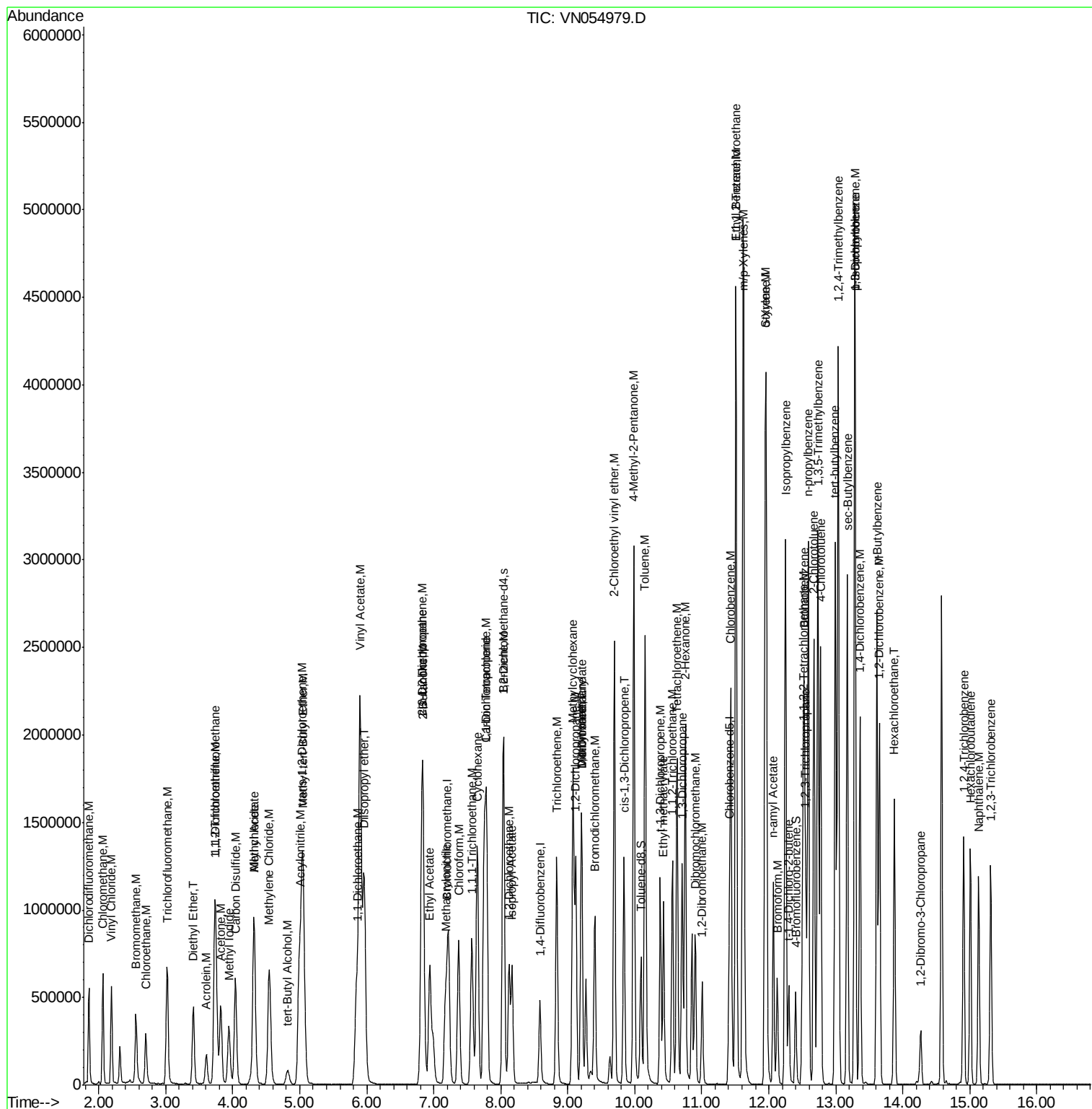
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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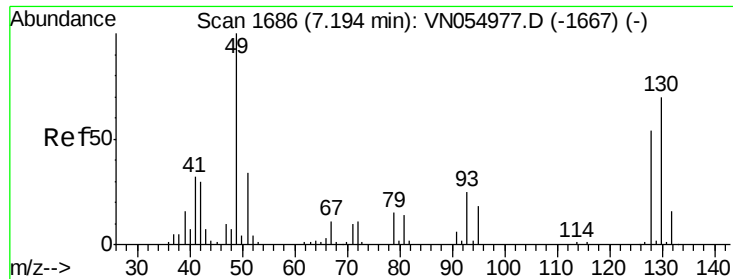
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN054979.D
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Sample : VSTDIC100
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VSTDIC100

Quant Time: Apr 12 07:43:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:37:15 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

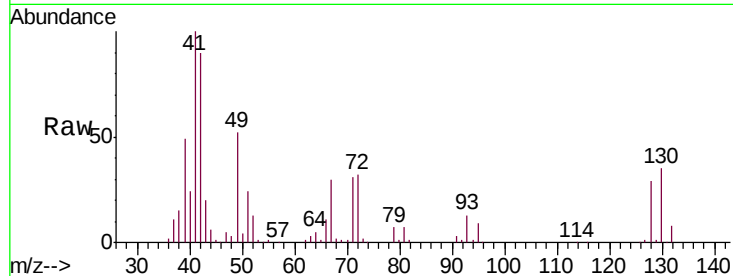
Tgt Ion:128 Resp: 76832

Ion Ratio Lower Upper

128 100

49 192.3 0.0 480.3

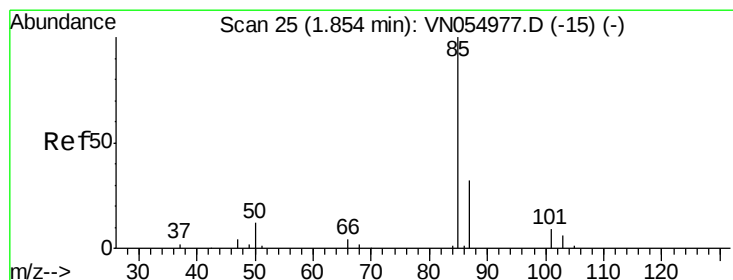
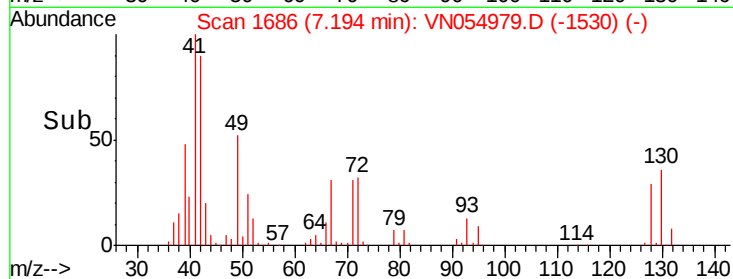
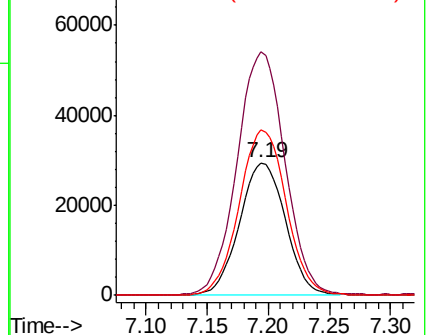
130 128.2 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 109.275 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054979.D

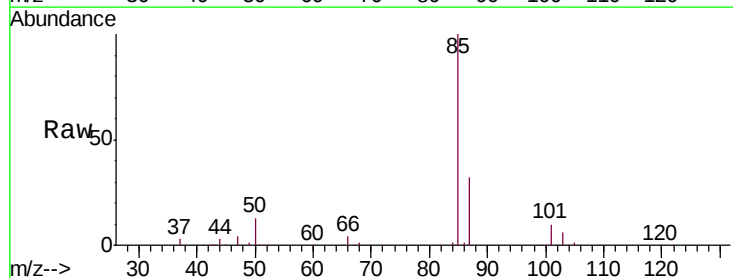
Acq: 11 Apr 2019 15:47

Tgt Ion: 85 Resp: 421457

Ion Ratio Lower Upper

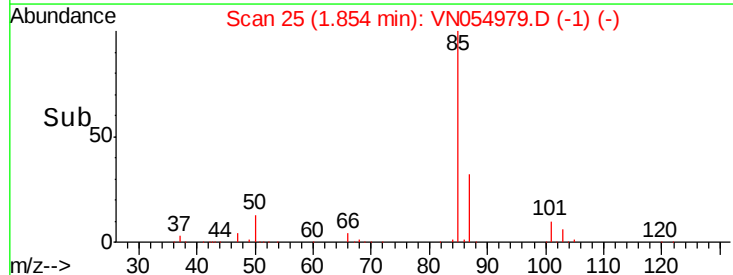
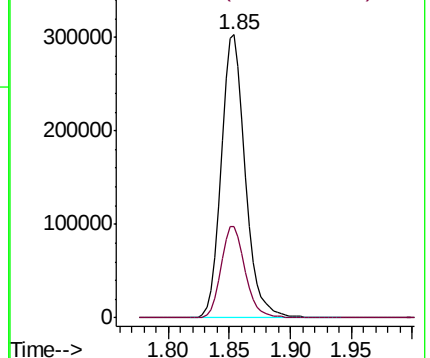
85 100

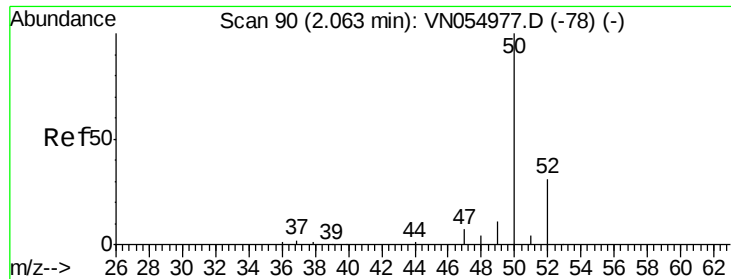
87 32.3 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 112.930 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

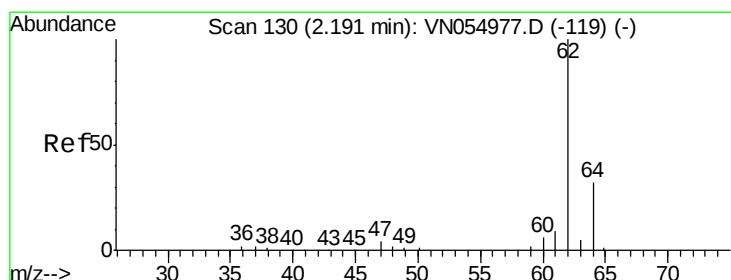
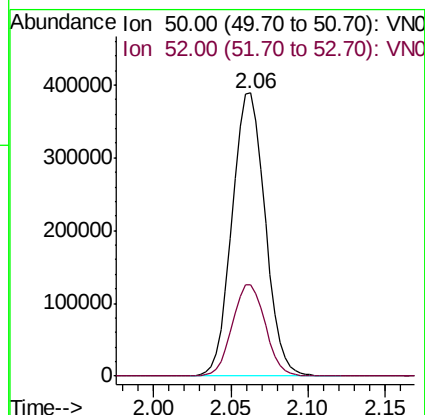
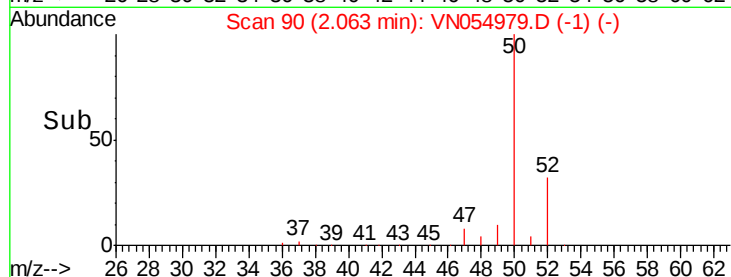
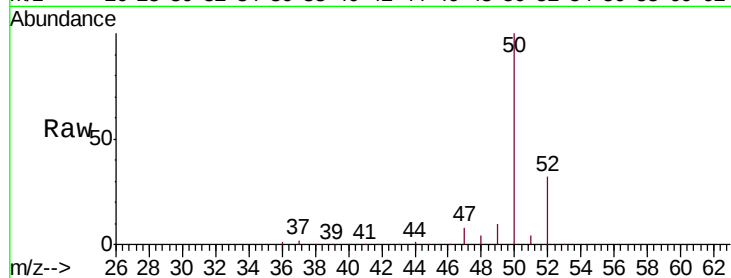
VSTDIC100

Tgt Ion: 50 Resp: 576539

Ion Ratio Lower Upper

50 100

52 32.4 24.5 36.7



#4

Vinyl Chloride

Concen: 98.370 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054979.D

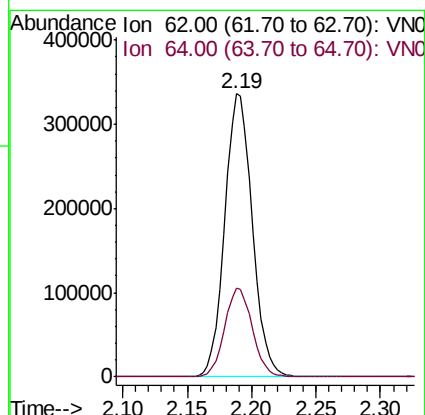
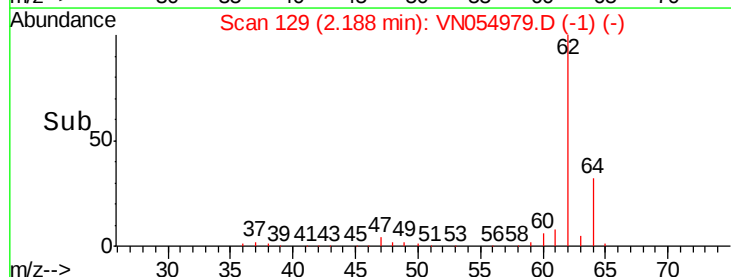
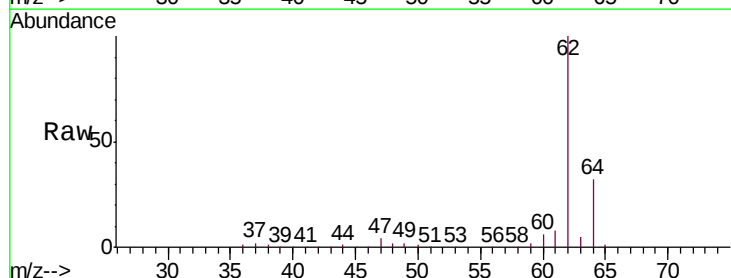
Acq: 11 Apr 2019 15:47

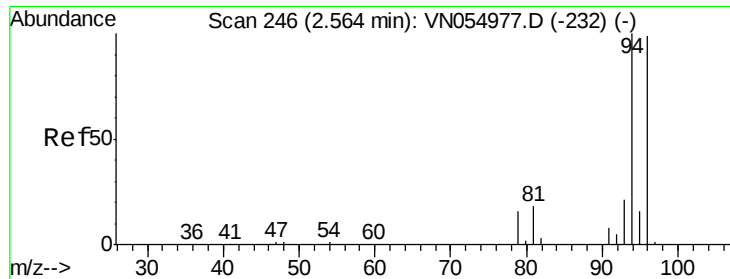
Tgt Ion: 62 Resp: 498126

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 93.106 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

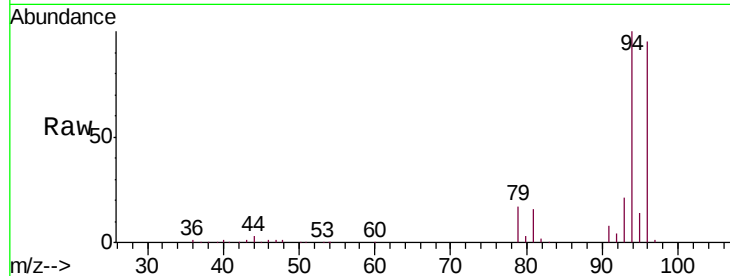
VSTDIC100

Tgt Ion: 94 Resp: 288367

Ion Ratio Lower Upper

94 100

96 95.2 79.1 118.7



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

150000

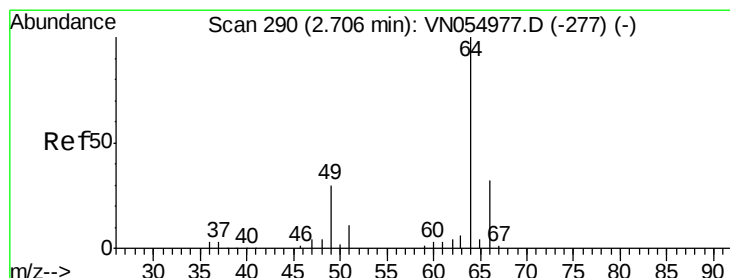
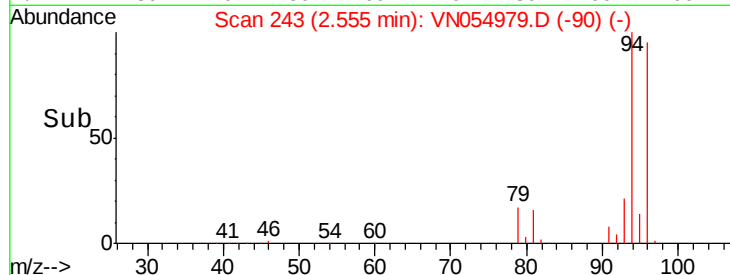
100000

50000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 92.289 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN054979.D

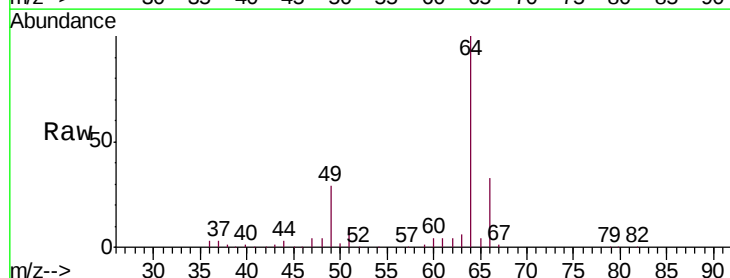
Acq: 11 Apr 2019 15:47

Tgt Ion: 64 Resp: 273597

Ion Ratio Lower Upper

64 100

66 33.0 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

150000

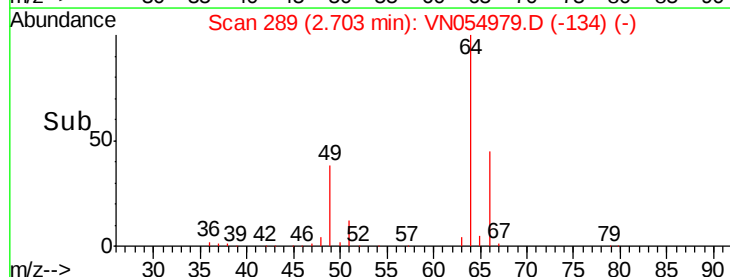
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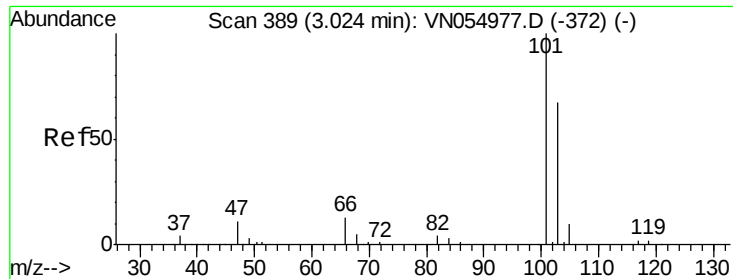
50000

0

Time-->

2.60 2.65 2.70 2.75 2.80



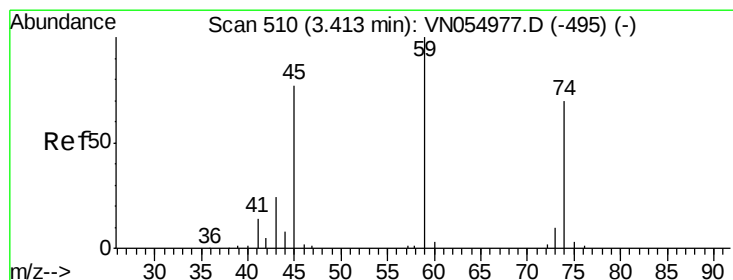
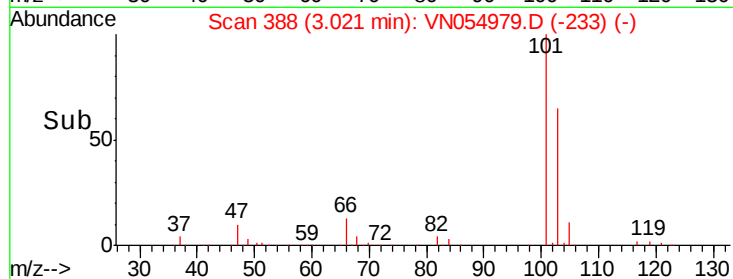
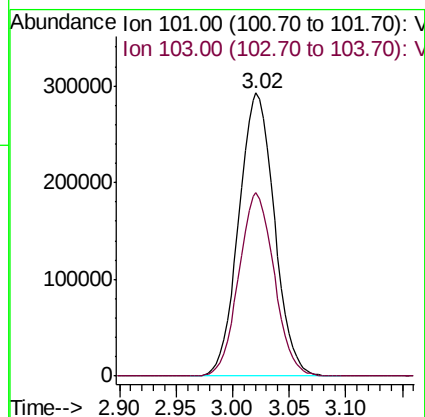
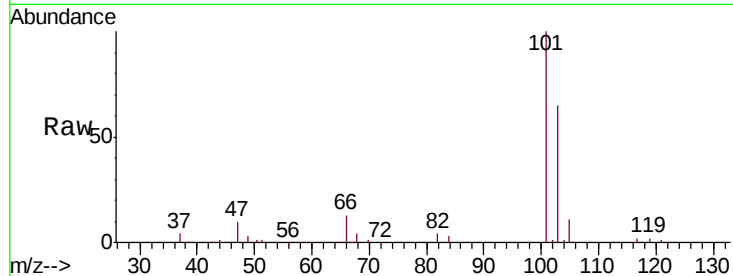


#7

Trichlorofluoromethane
 Concen: 104.140 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054979.D
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 VSTDIC100

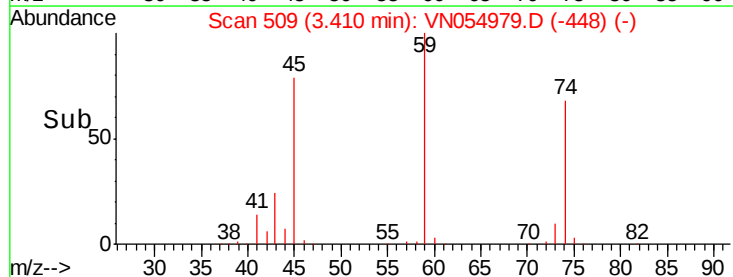
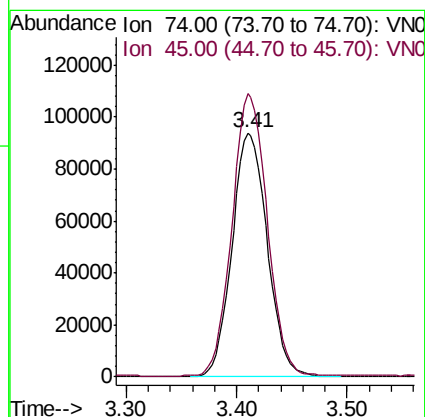
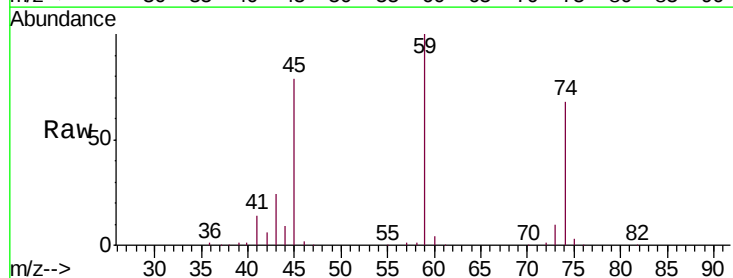
Tgt Ion: 101 Resp: 643114
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.4 80.0

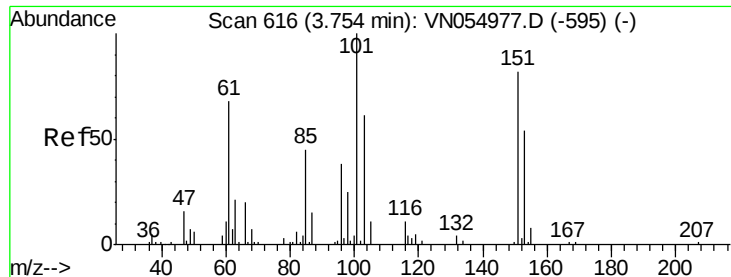


#8

Diethyl Ether
 Concen: 91.375 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054979.D
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Tgt Ion: 74 Resp: 207960
 Ion Ratio Lower Upper
 74 100
 45 115.3 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.002 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

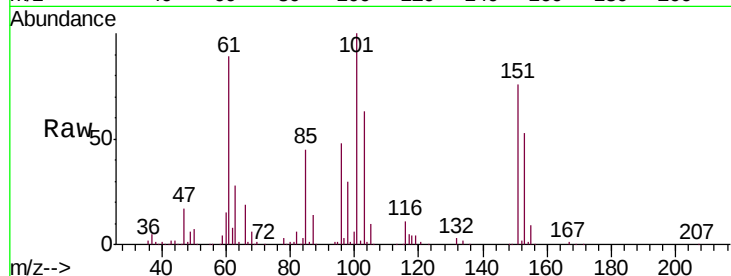
Tgt Ion: 101 Resp: 342377

Ion Ratio Lower Upper

101 100

85 45.7 0.0 91.4

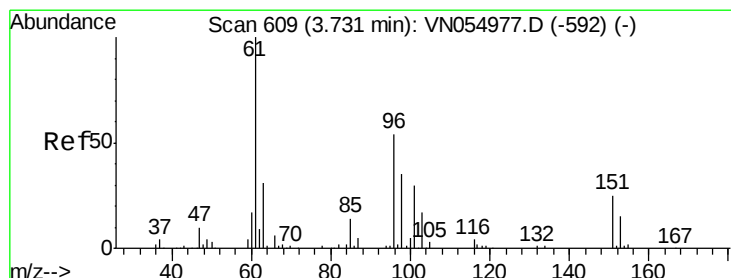
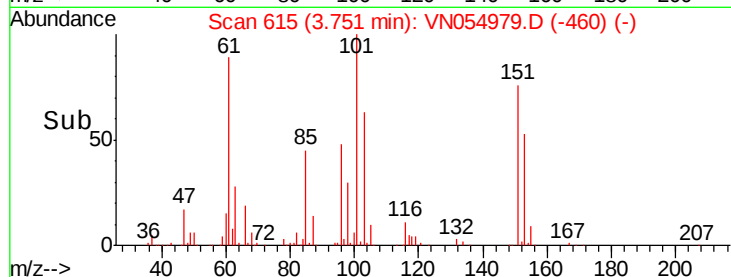
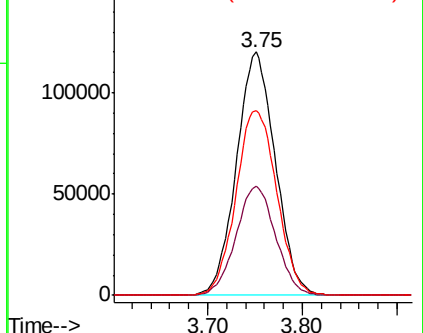
151 79.9 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 86.819 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

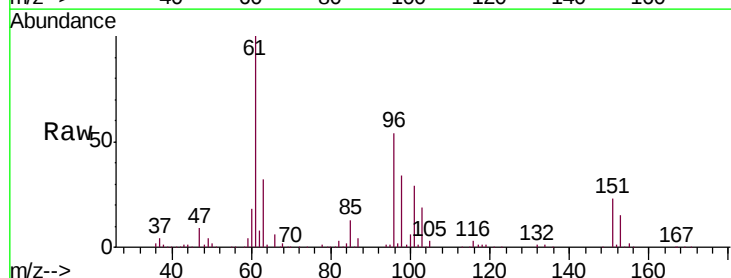
Tgt Ion: 96 Resp: 318456

Ion Ratio Lower Upper

96 100

61 185.8 148.4 222.6

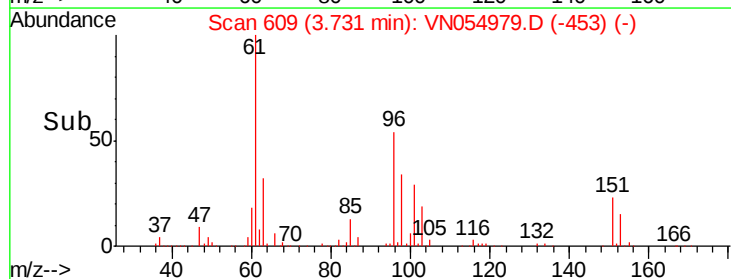
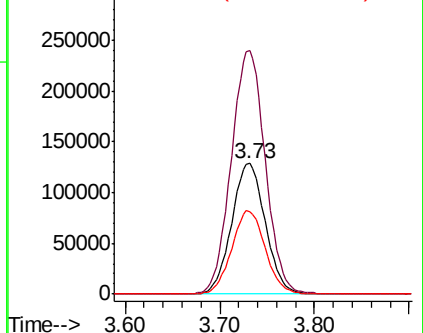
98 63.1 52.2 78.2

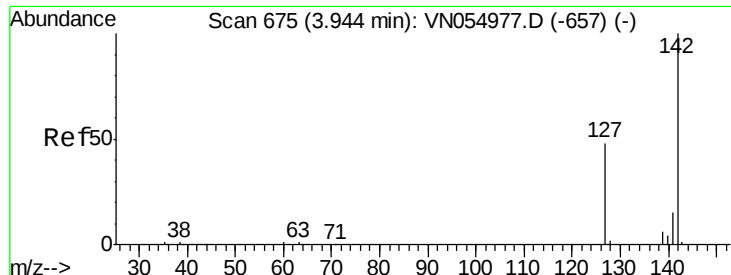


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

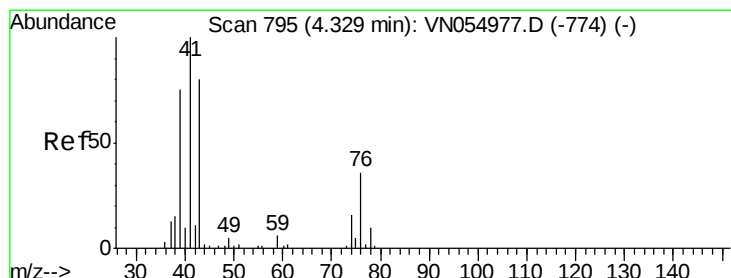
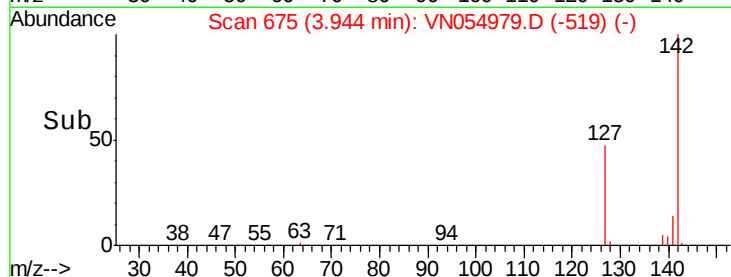
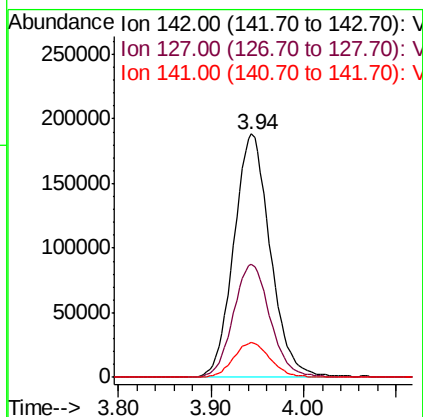
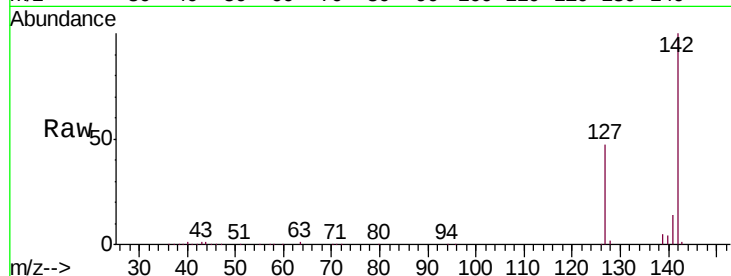




#11
Methyl Iodide
Concen: 95.299 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

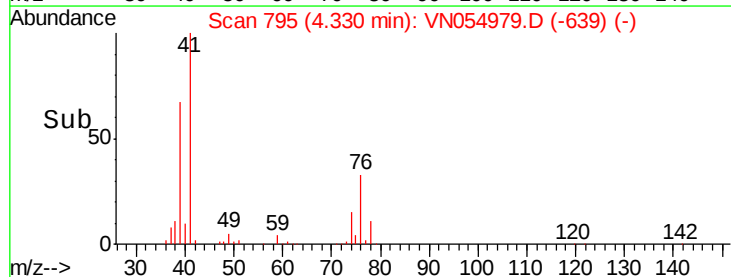
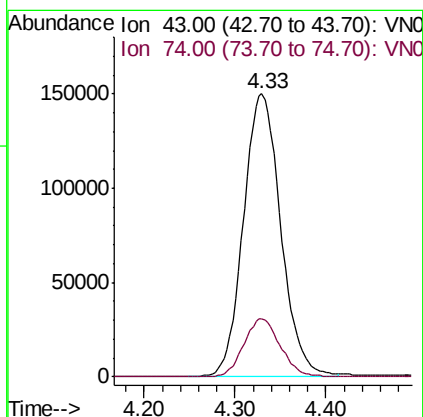
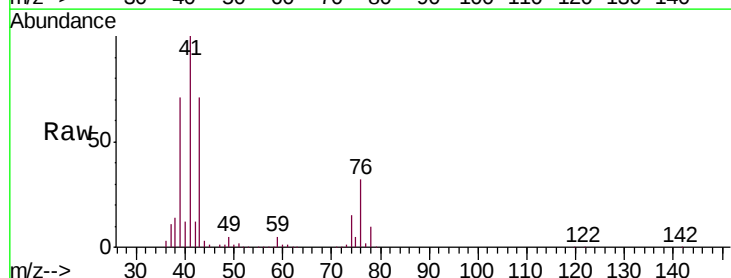
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

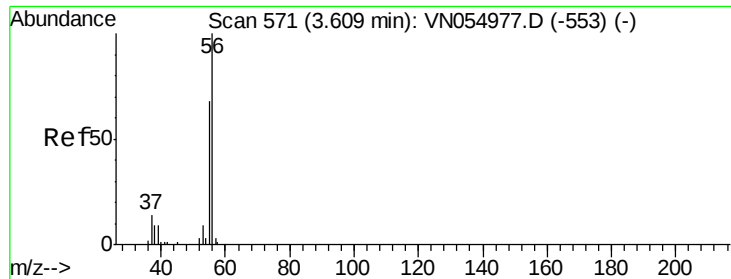
Tgt Ion: 142 Resp: 513873
Ion Ratio Lower Upper
142 100
127 46.6 23.8 71.5
141 14.2 7.3 22.0



#12
Methyl Acetate
Concen: 135.322 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion: 43 Resp: 426648
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4





#13

Acrolein

Concen: 590.728 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

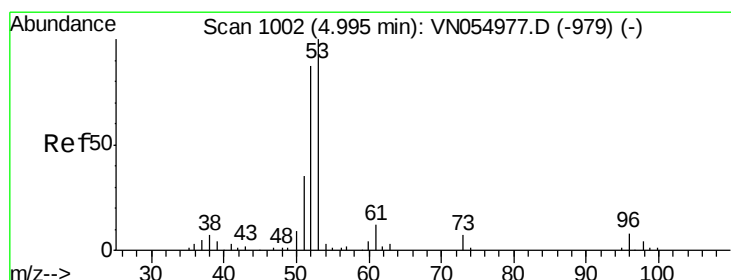
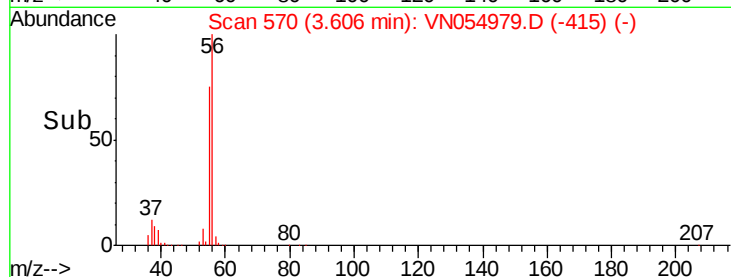
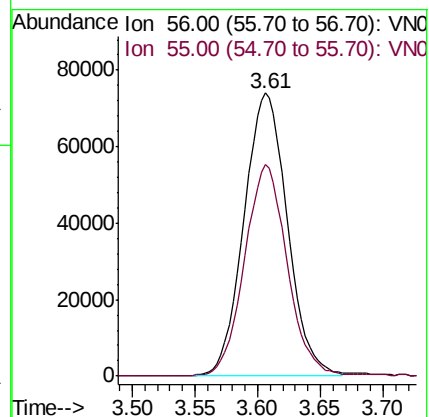
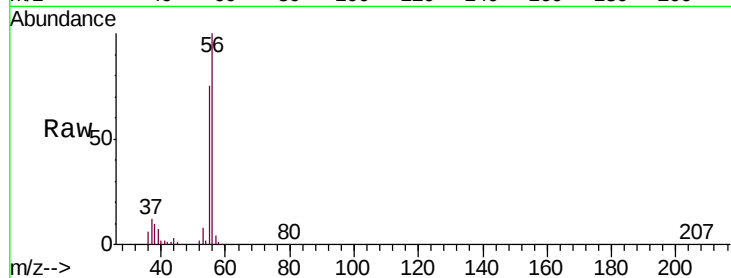
VSTDIC100

Tgt Ion: 56 Resp: 178600

Ion Ratio Lower Upper

56 100

55 73.4 57.0 85.4



#14

Acrylonitrile

Concen: 581.213 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

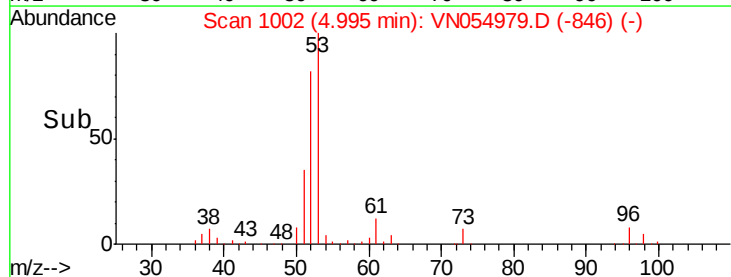
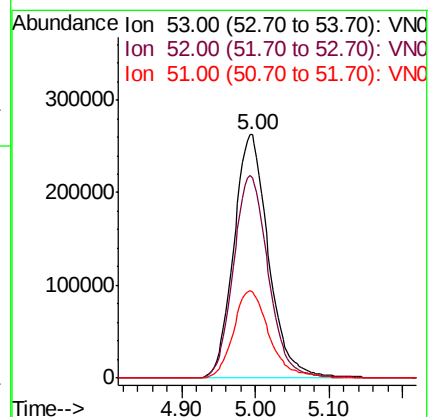
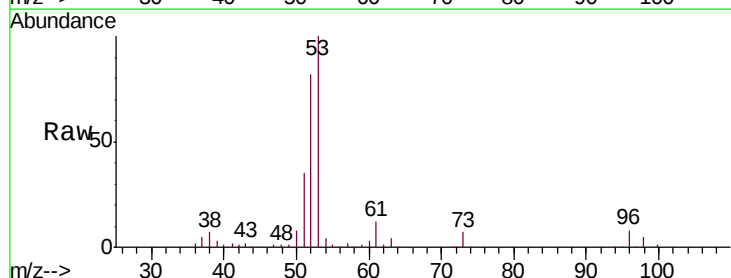
Tgt Ion: 53 Resp: 862114

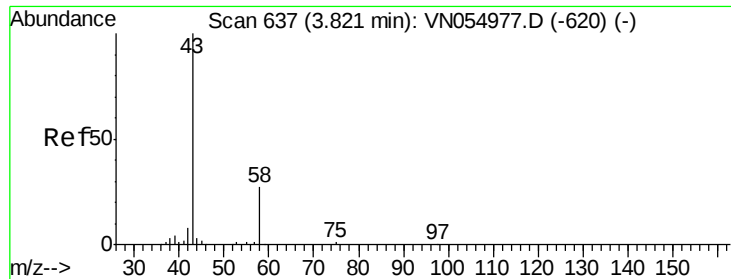
Ion Ratio Lower Upper

53 100

52 83.2 42.3 126.8

51 37.1 18.6 56.0





#15

Acetone

Concen: 451.625 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

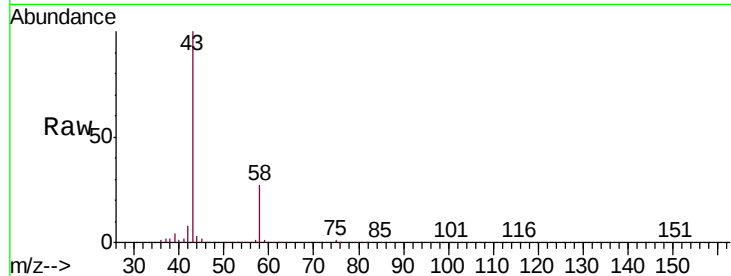
VSTDIC100

Tgt Ion: 58 Resp: 193964

Ion Ratio Lower Upper

58 100

43 366.1 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-620) (-)

300000

200000

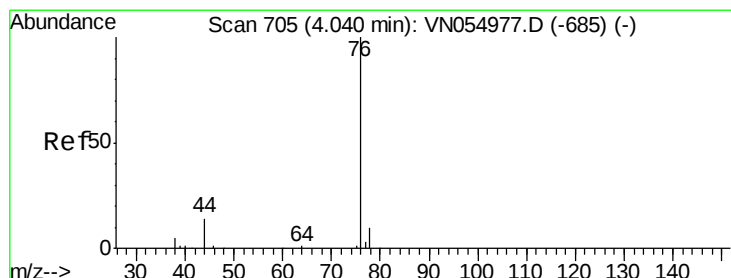
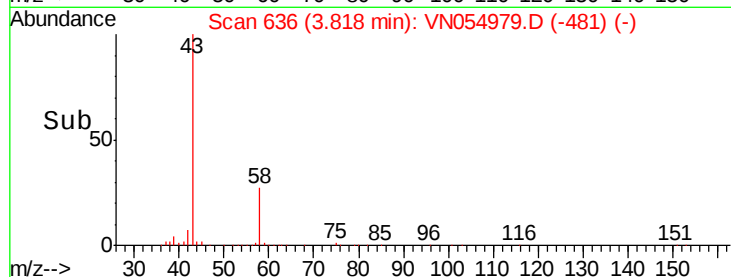
100000

0

3.70 3.75 3.80 3.85 3.90

3.82

Time-->



#16

Carbon Disulfide

Concen: 96.632 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054979.D

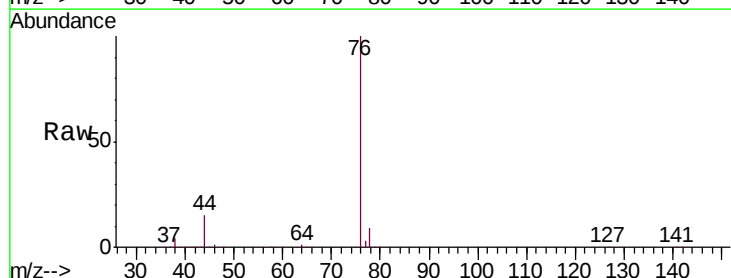
Acq: 11 Apr 2019 15:47

Tgt Ion: 76 Resp: 1144115

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-685) (-)

500000

400000

300000

200000

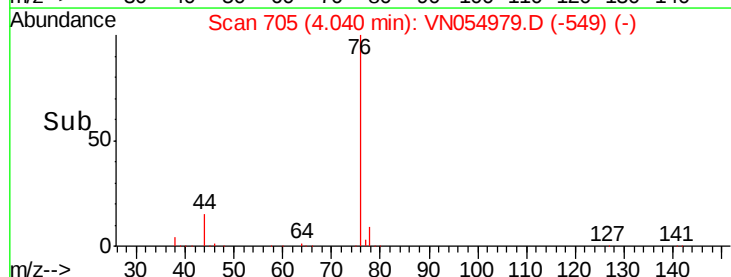
100000

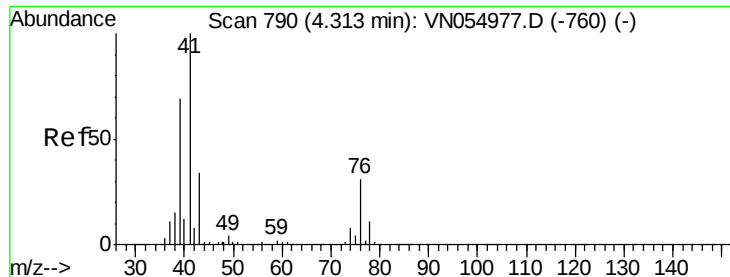
0

3.90 4.00 4.10 4.20

4.04

Time-->

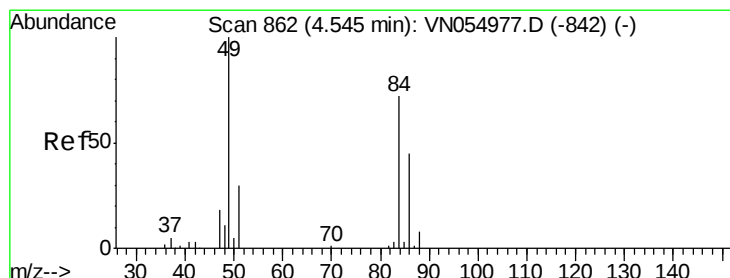
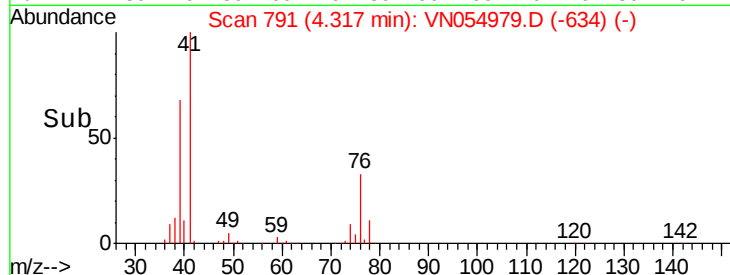
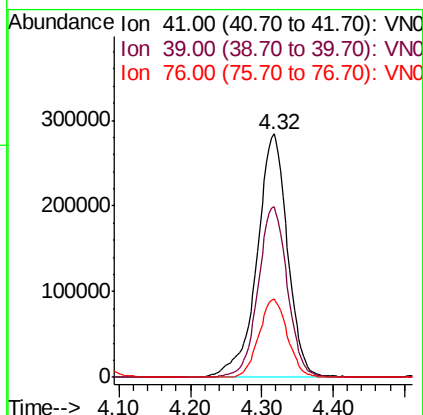
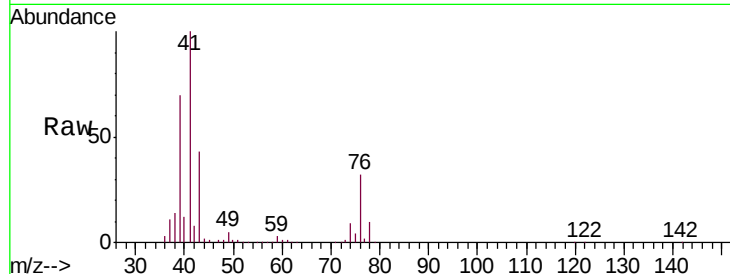




#17
 Allyl chloride
 Concen: 127.998 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

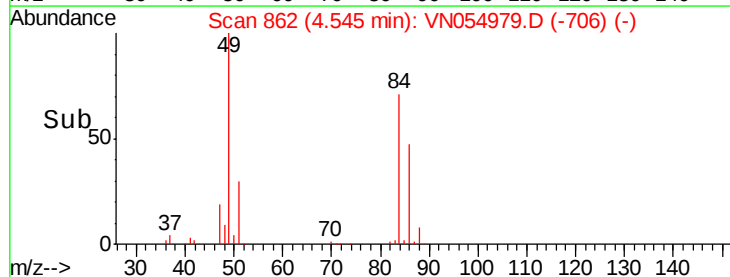
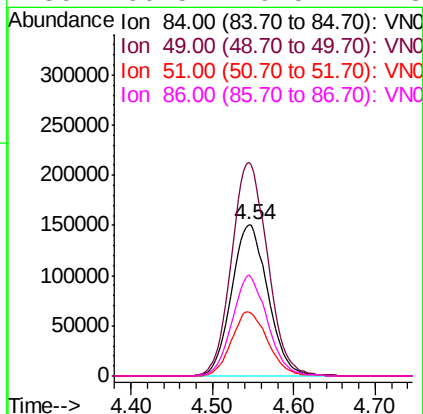
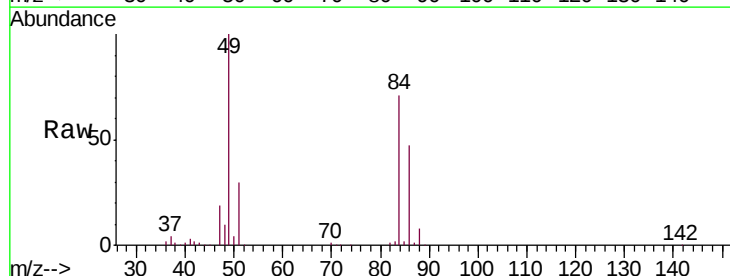
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

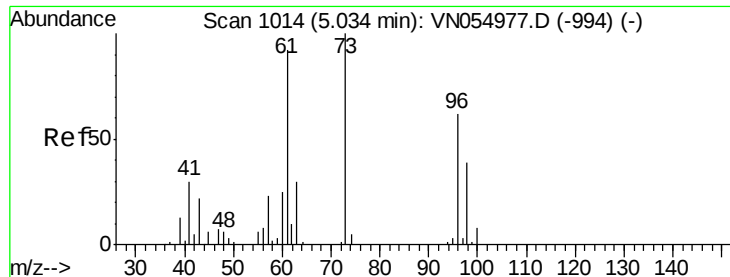
Tgt Ion: 41 Resp: 841374
 Ion Ratio Lower Upper
 41 100
 39 70.0 34.3 102.9
 76 31.9 15.8 47.3



#18
 Methylene Chloride
 Concen: 108.943 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 84 Resp: 469285
 Ion Ratio Lower Upper
 84 100
 49 140.9 111.0 166.4
 51 42.3 33.4 50.2
 86 66.5 49.5 74.3

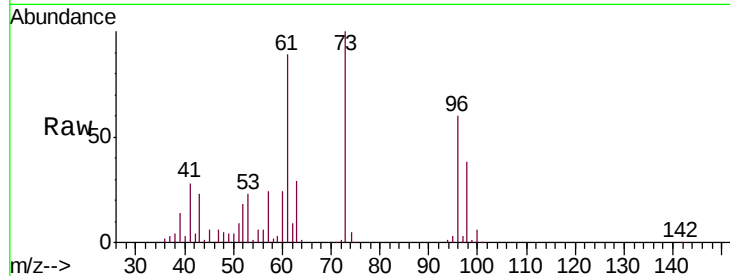




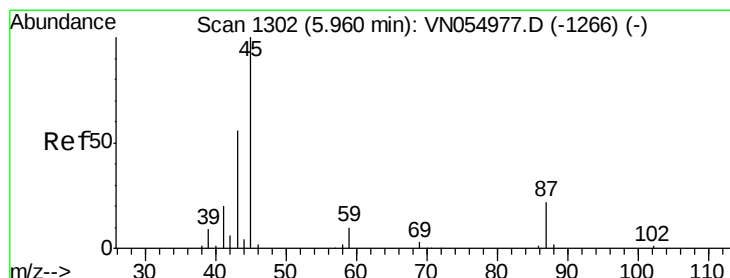
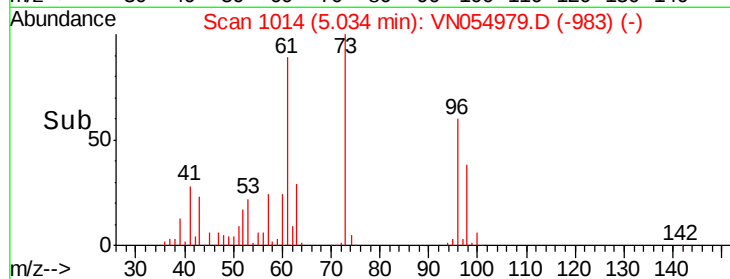
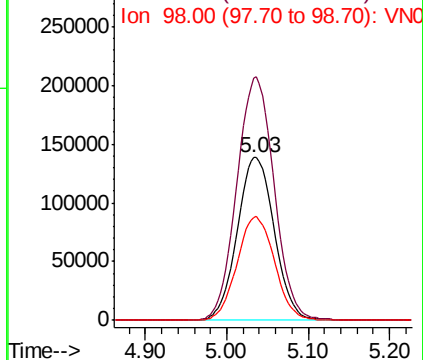
#19
trans-1,2-Dichloroethene
Concen: 108.579 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 435755
Ion Ratio Lower Upper
96 100
61 148.5 117.2 175.8
98 63.2 49.4 74.2

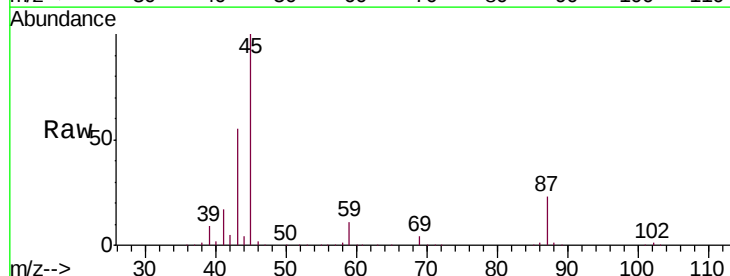


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

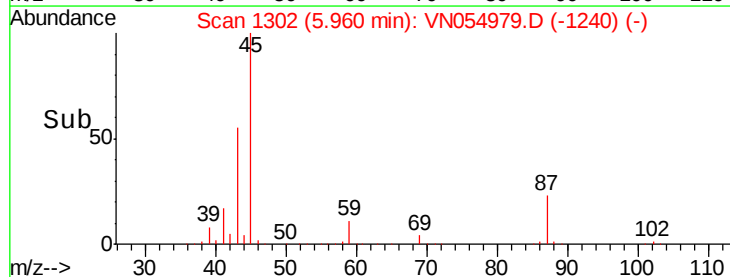
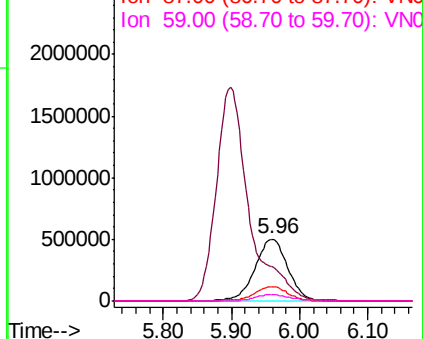


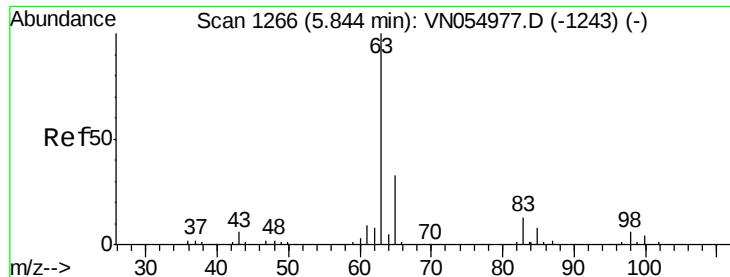
#20
Diisopropyl ether
Concen: 127.418 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion: 45 Resp: 1682587
Ion Ratio Lower Upper
45 100
43 53.9 45.8 68.8
87 23.3 18.2 27.4
59 10.3 8.2 12.2



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

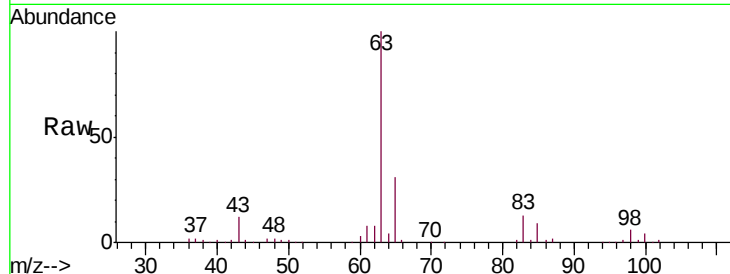




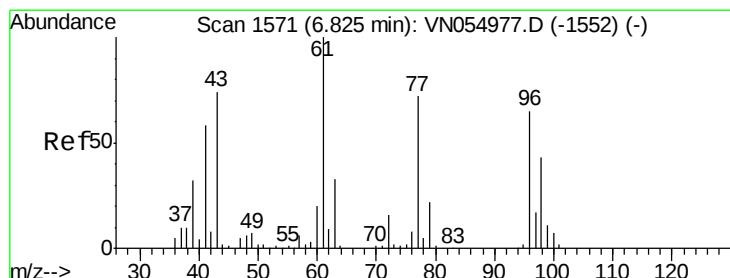
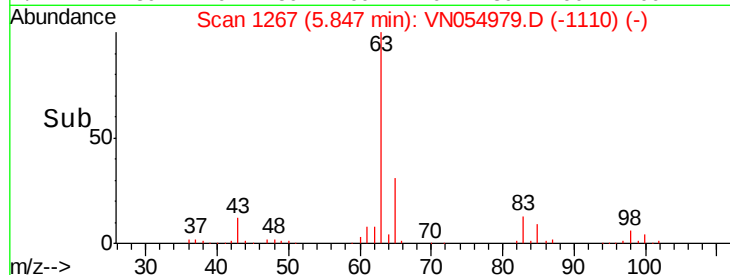
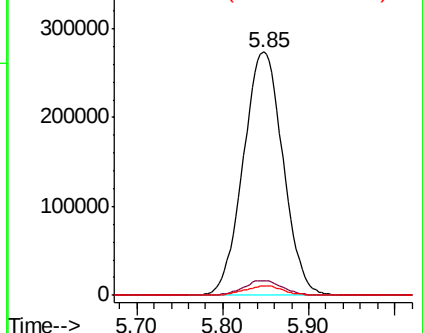
#21
 1,1-Dichloroethane
 Concen: 113.101 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 880887
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.7
 100 4.0 2.0 5.8

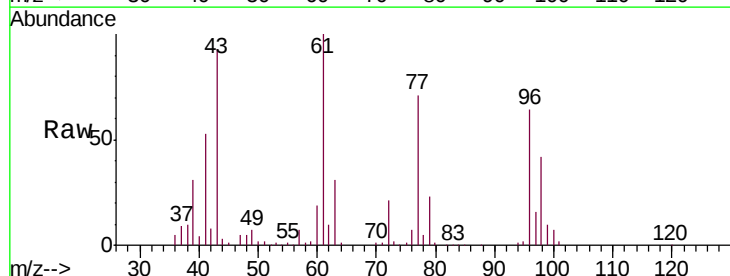


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

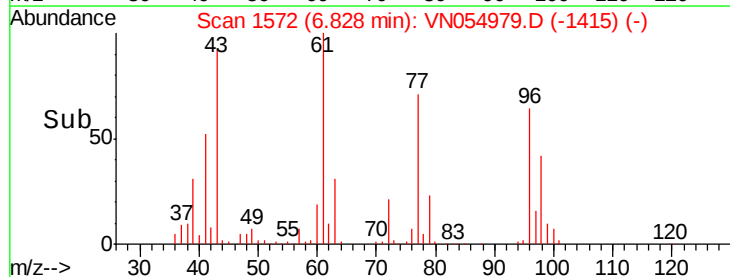
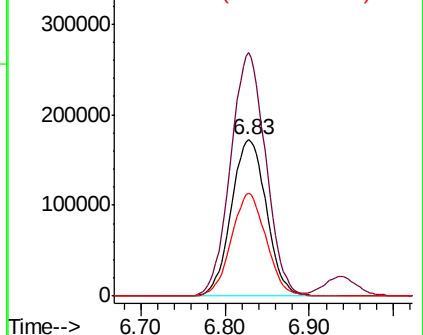


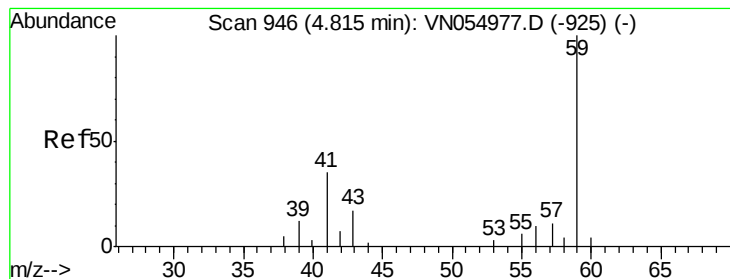
#22
 cis-1,2-Dichloroethene
 Concen: 111.888 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 96 Resp: 501516
 Ion Ratio Lower Upper
 96 100
 61 155.6 125.0 187.6
 98 65.1 52.2 78.2



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



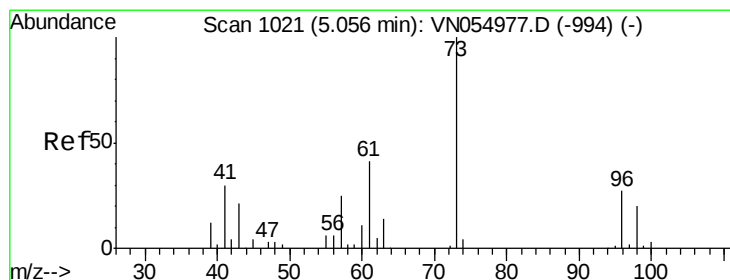
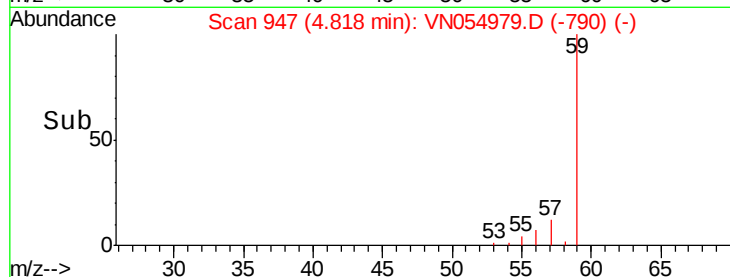
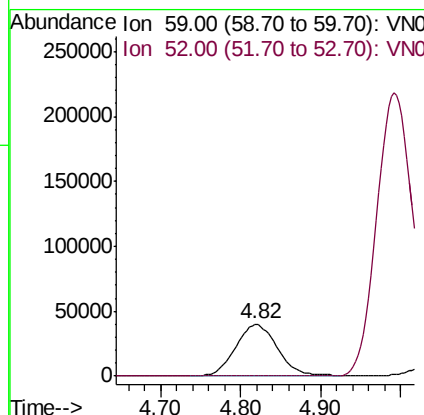
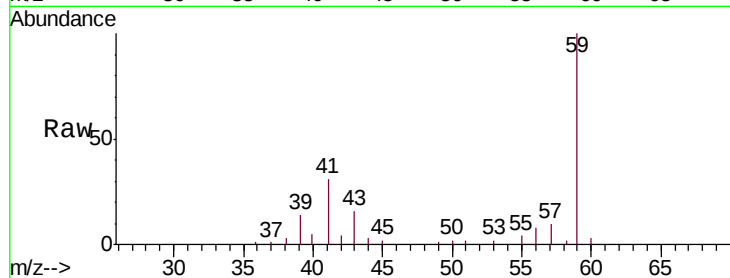


#23

tert-Butyl Alcohol
 Concen: 543.908 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

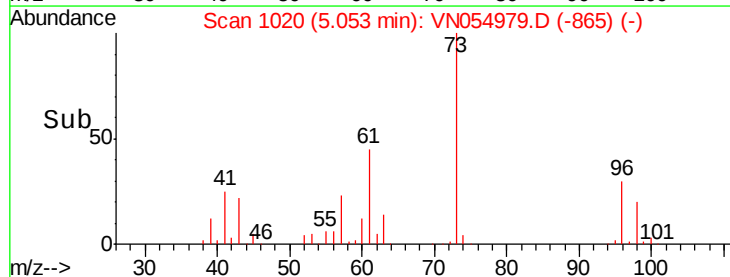
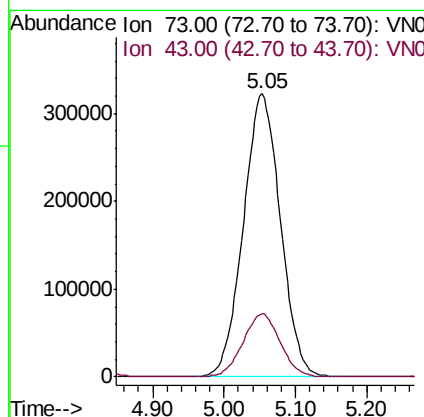
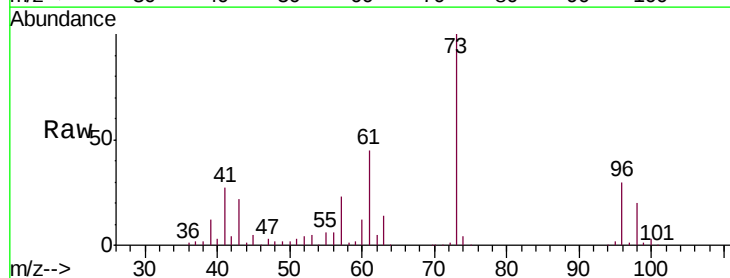
Tgt Ion: 59 Resp: 142359
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

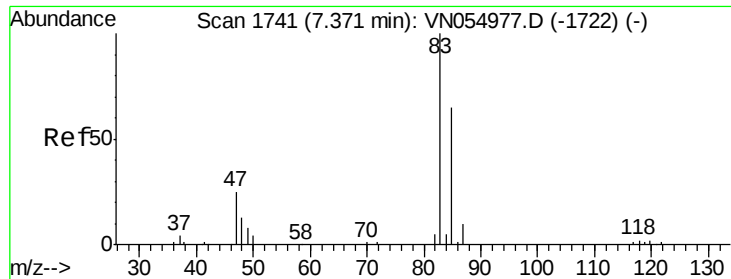


#24

Methyl tert-Butyl Ether
 Concen: 117.255 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 73 Resp: 1165149
 Ion Ratio Lower Upper
 73 100
 43 22.2 8.0 12.0#

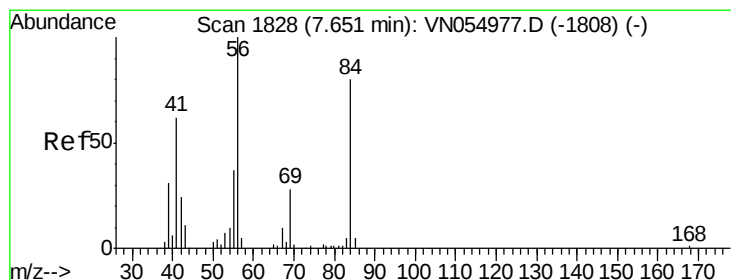
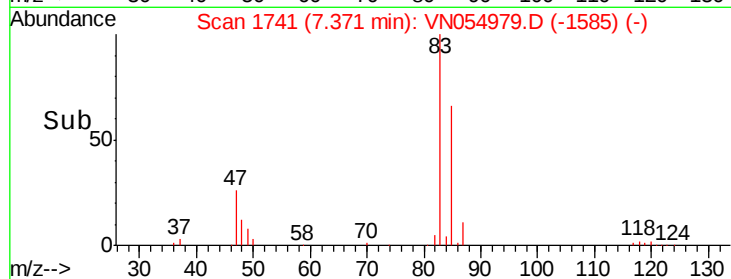
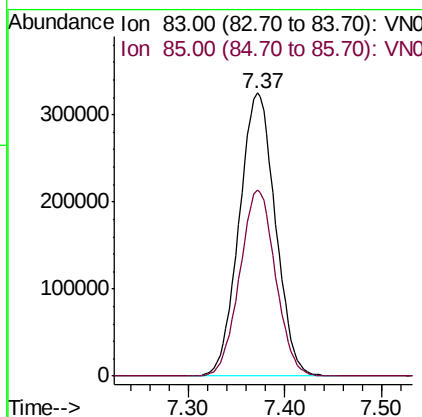
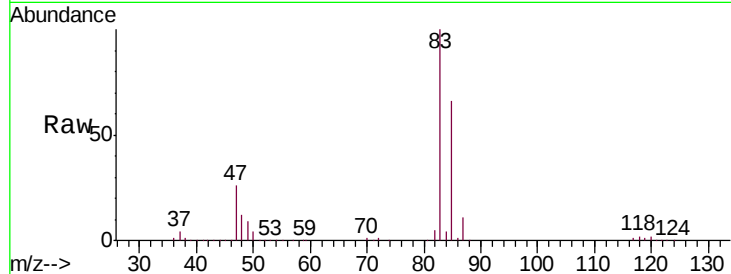




#25
Chloroform
Concen: 112.645 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

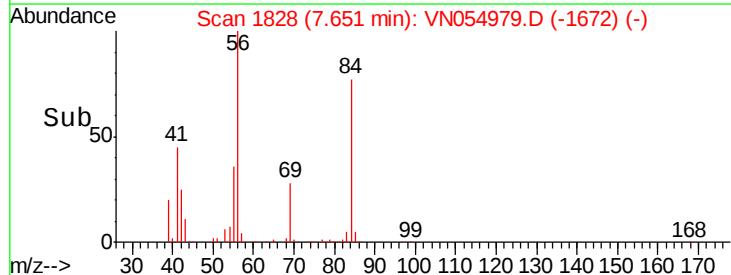
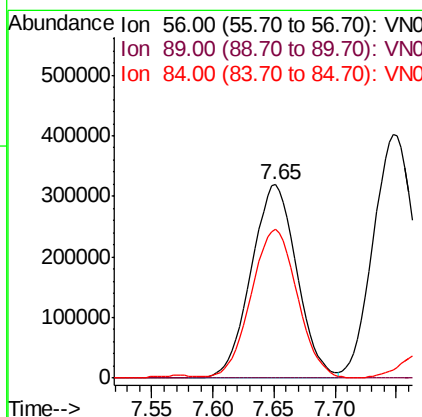
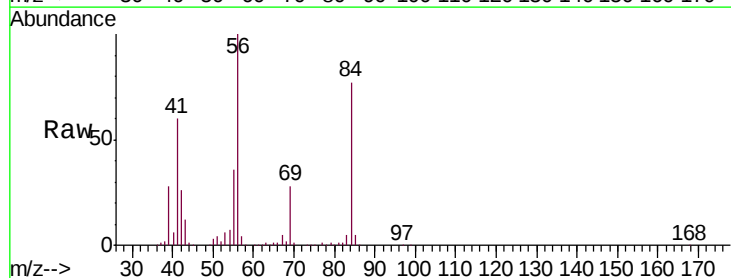
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

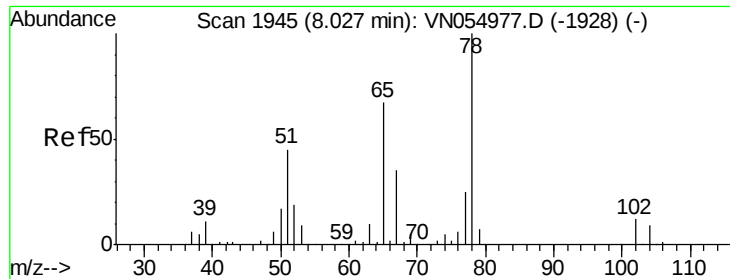
Tgt Ion: 83 Resp: 845603
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.8



#26
Cyclohexane
Concen: 117.718 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion: 56 Resp: 829849
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.2 63.5 95.3





#27

1,2-Dichloroethane-d4

Concen: 117.718 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

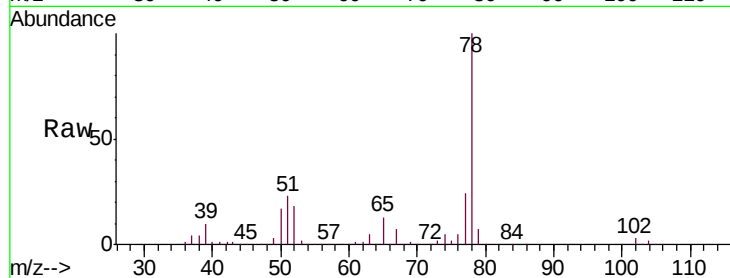
VSTDIC100

Tgt Ion: 65 Resp: 170863

Ion Ratio Lower Upper

65 100

67 53.0 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN054979.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN054979.D (-1789) (-)

8.03

80000

60000

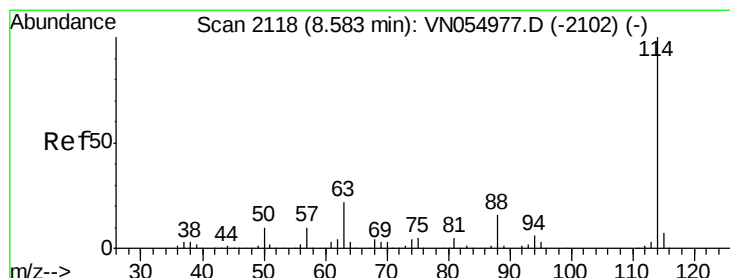
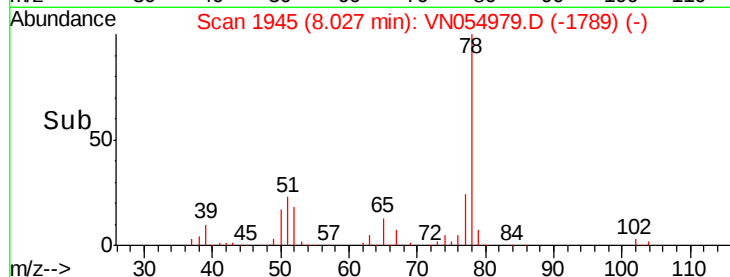
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

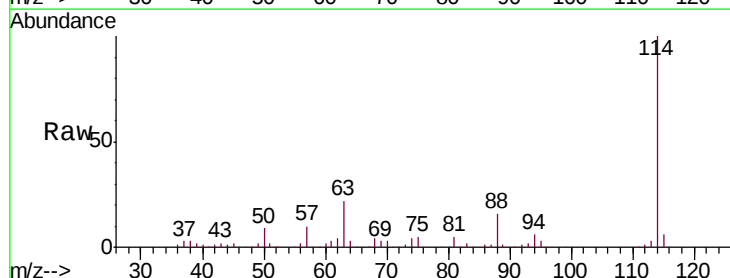
Tgt Ion: 114 Resp: 421317

Ion Ratio Lower Upper

114 100

63 21.9 17.0 25.4

88 15.3 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN054979.D (-1962) (-)

Ion 63.00 (62.70 to 63.70): VN054979.D (-1962) (-)

Ion 88.00 (87.70 to 88.70): VN054979.D (-1962) (-)

8.58

250000

200000

150000

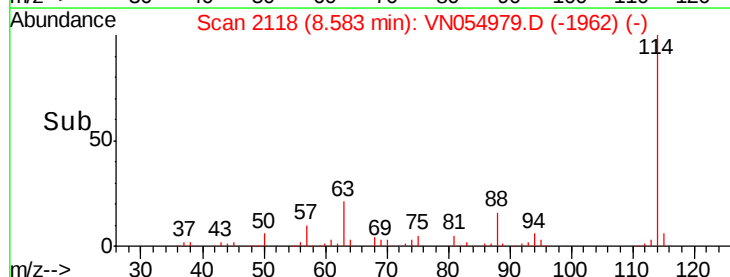
100000

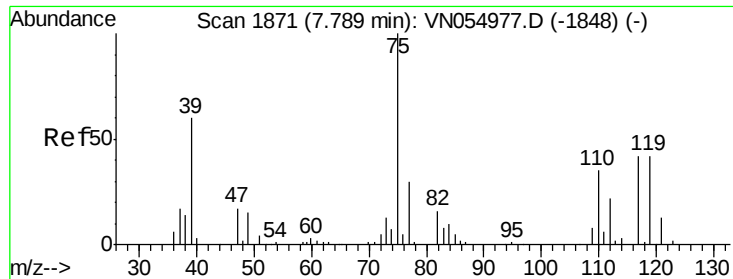
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->

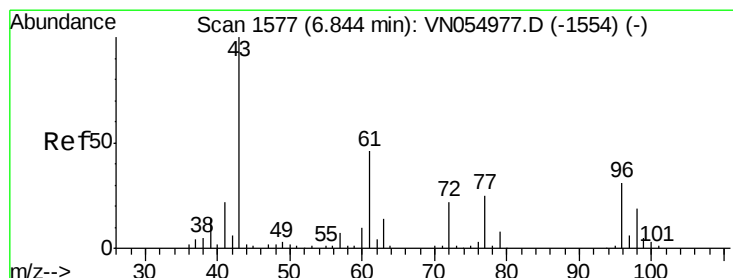
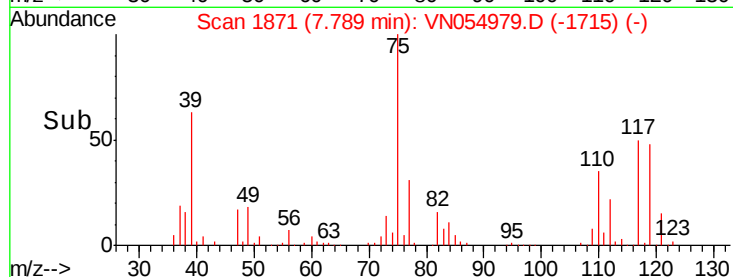
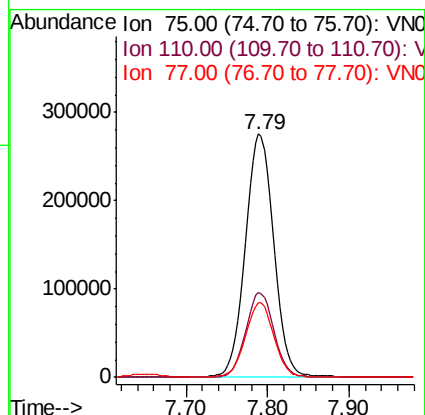
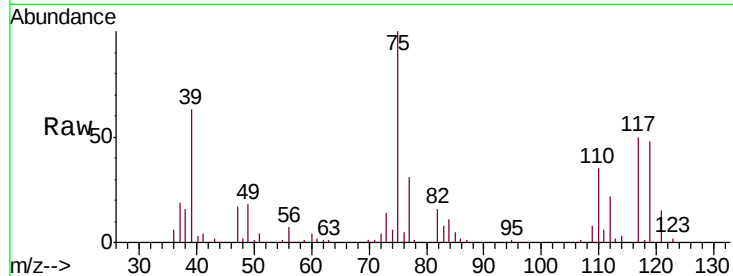




#29
 1,1-Dichloropropene
 Concen: 114.197 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

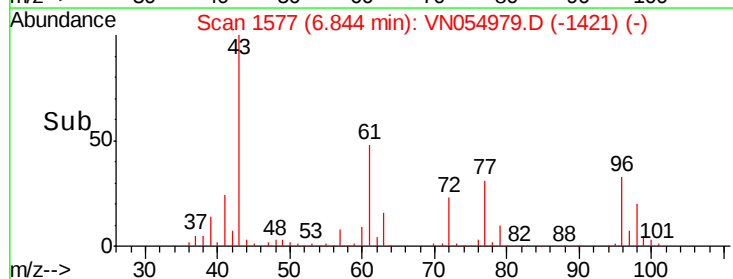
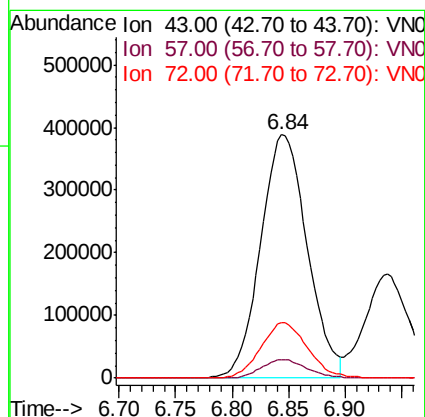
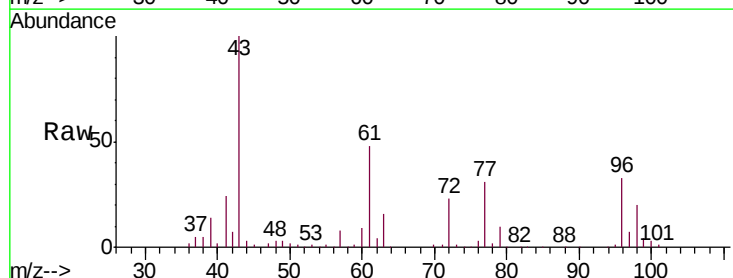
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

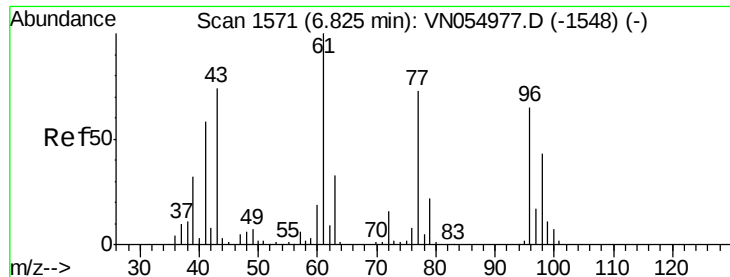
Tgt Ion: 75 Resp: 660384
 Ion Ratio Lower Upper
 75 100
 110 34.5 0.0 68.4
 77 30.7 0.0 58.6



#30
 2-Butanone
 Concen: 607.103 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 43 Resp: 1106457
 Ion Ratio Lower Upper
 43 100
 57 7.5 6.0 9.0
 72 23.2 18.6 27.8

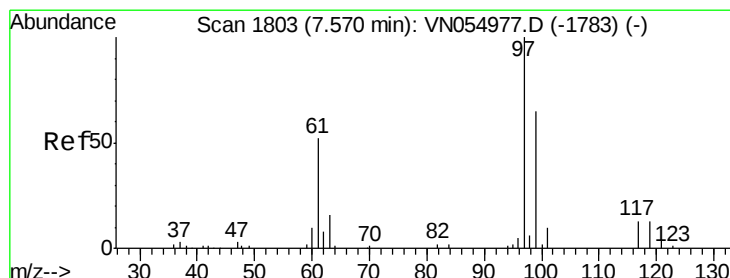
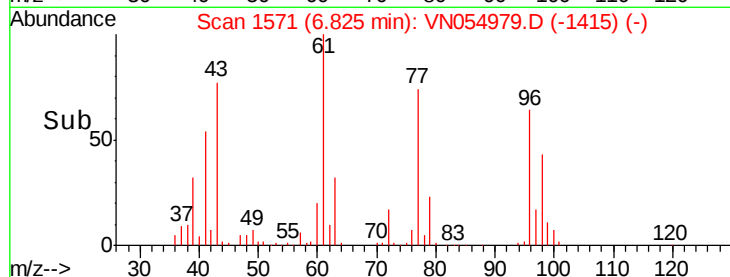
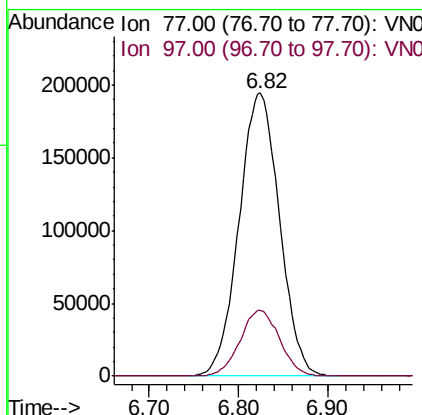
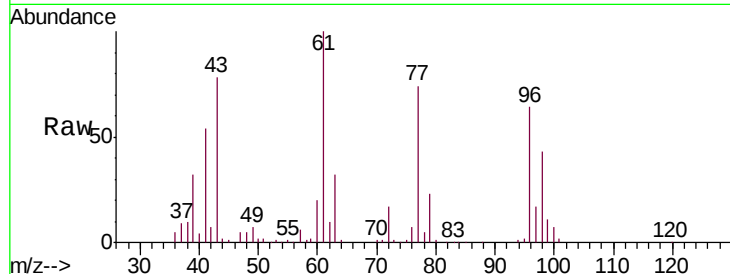




#31
 2,2-Dichloropropane
 Concen: 107.947 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

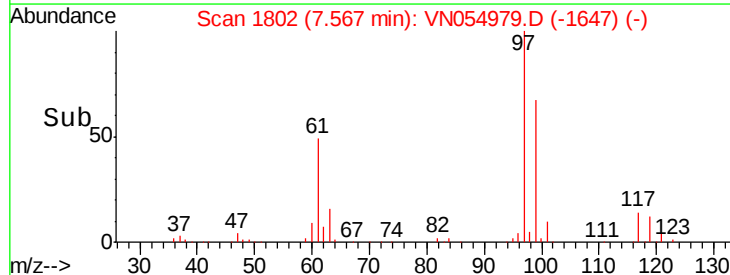
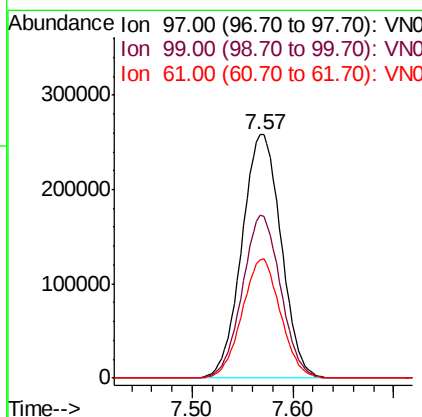
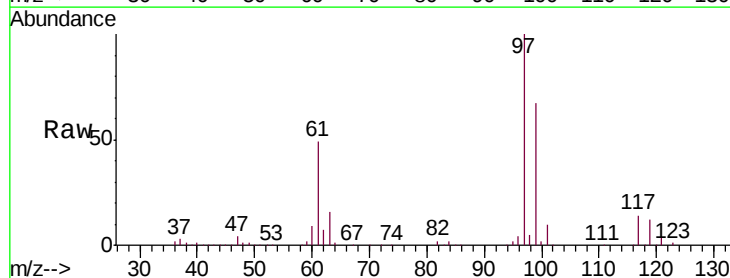
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

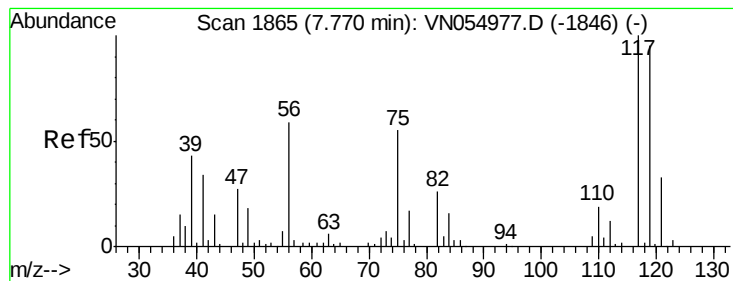
Tgt Ion: 77 Resp: 612988
 Ion Ratio Lower Upper
 77 100
 97 22.8 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 111.900 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 97 Resp: 695870
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.2 76.8
 61 47.7 40.6 60.8





#33

Carbon Tetrachloride

Concen: 110.090 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

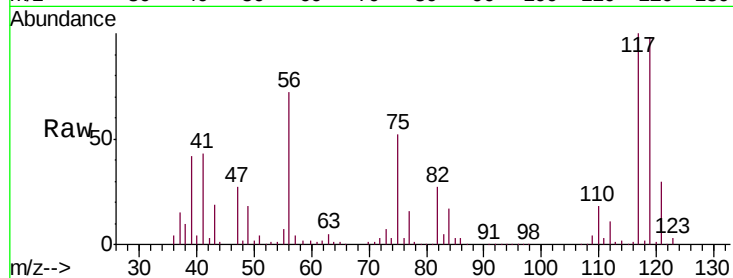
Tgt Ion:117 Resp: 604802

Ion Ratio Lower Upper

117 100

119 97.9 76.1 114.1

121 30.4 26.2 39.4

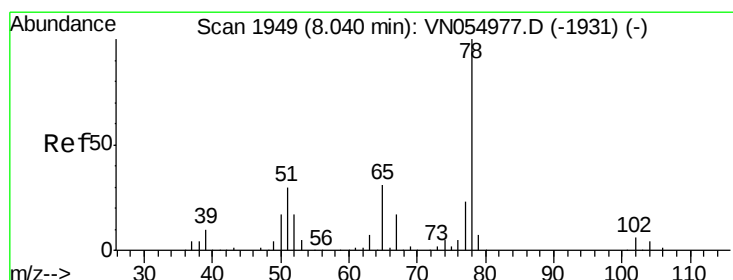
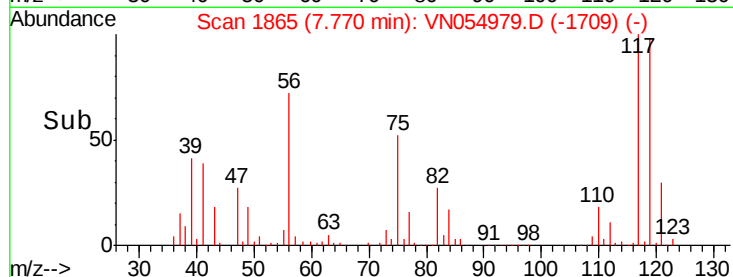
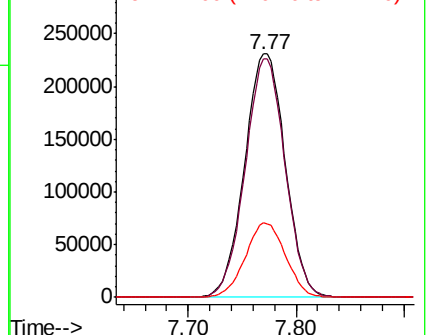


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 112.089 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

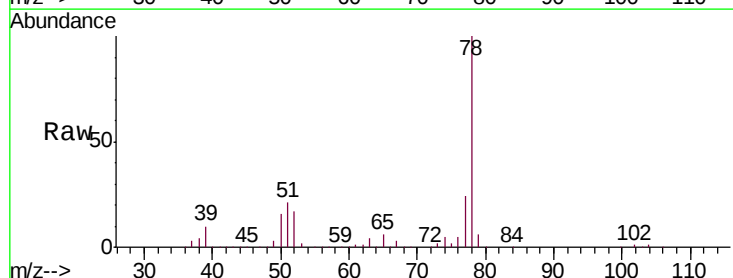
Tgt Ion: 78 Resp: 1925978

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.4

51 20.7 23.7 35.5#

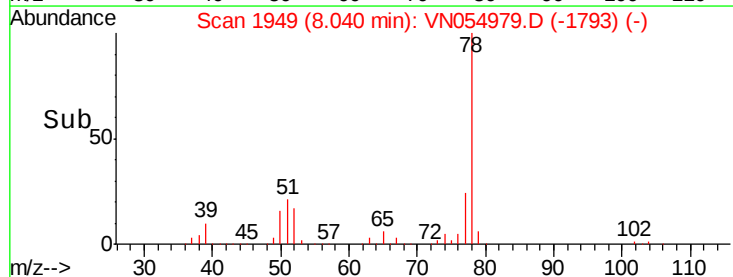
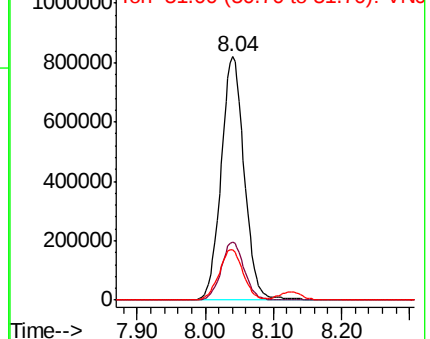


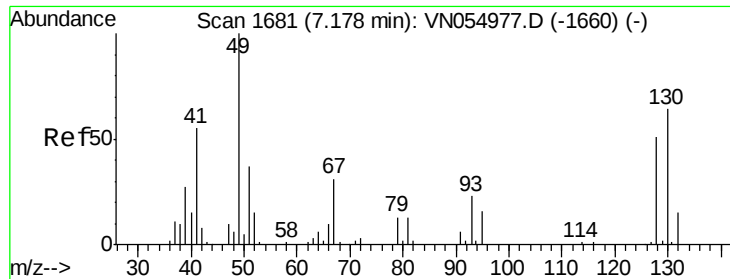
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

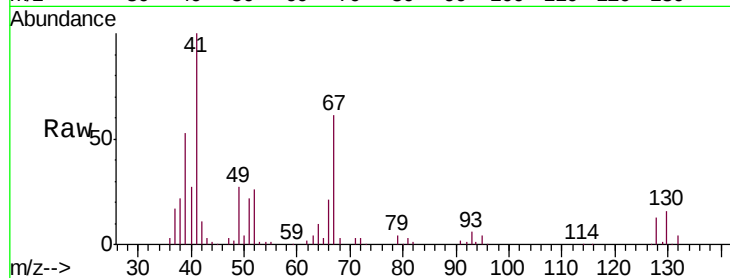




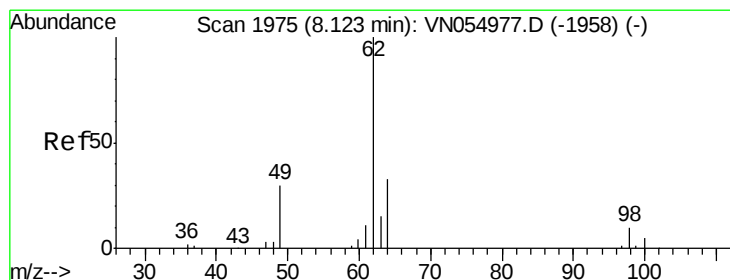
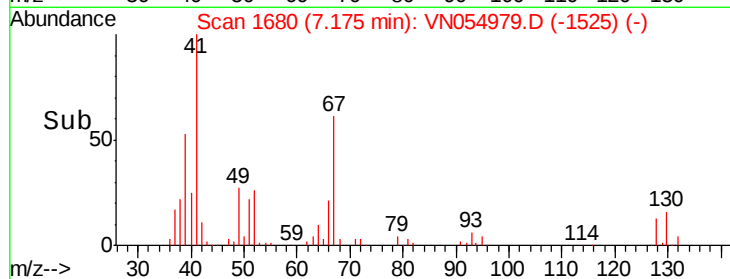
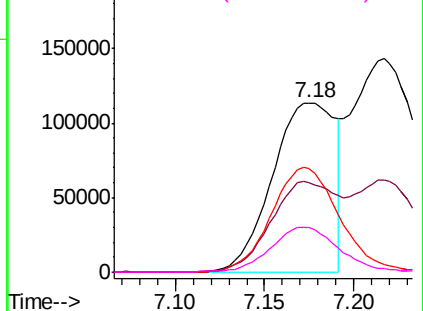
#35
Methacrylonitrile
Concen: 133.039 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tgt Ion:	41	Resp:	276645
Ion	Ratio	Lower	Upper
41	100		
39	52.7	24.2	72.6
67	61.5	28.1	84.2
52	26.2	13.3	39.8

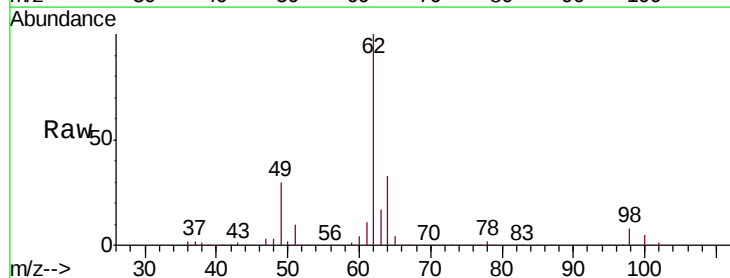


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

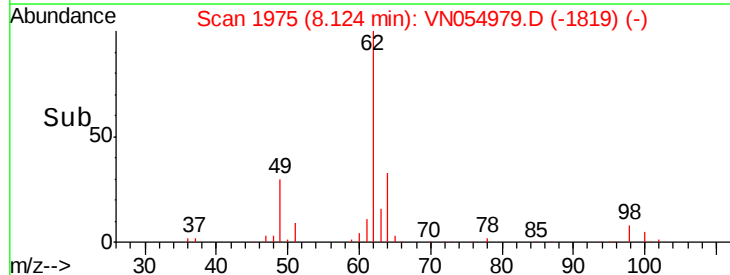
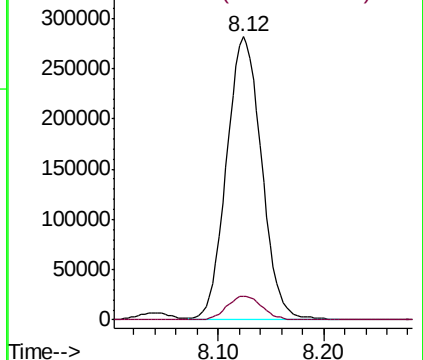


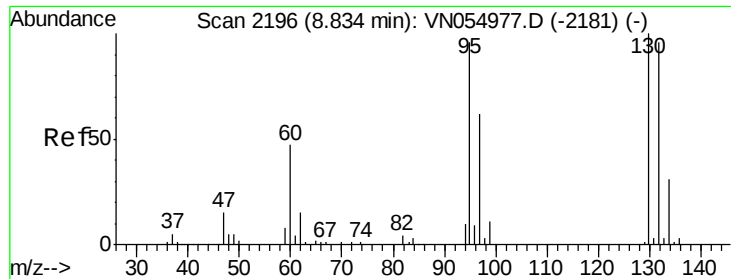
#36
1,2-Dichloroethane
Concen: 115.515 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion:	62	Resp:	644563
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.9	10.3



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

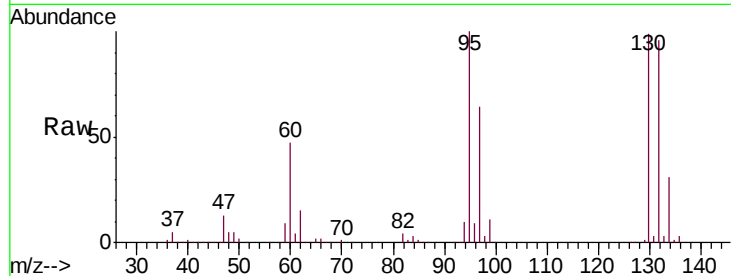




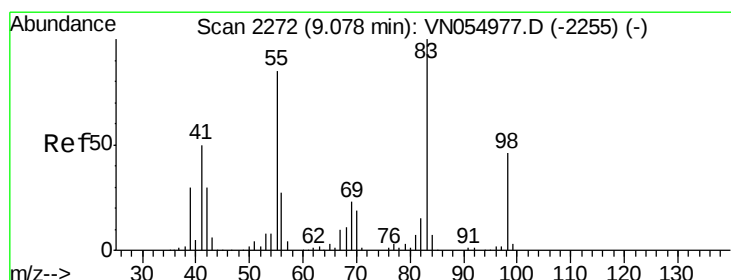
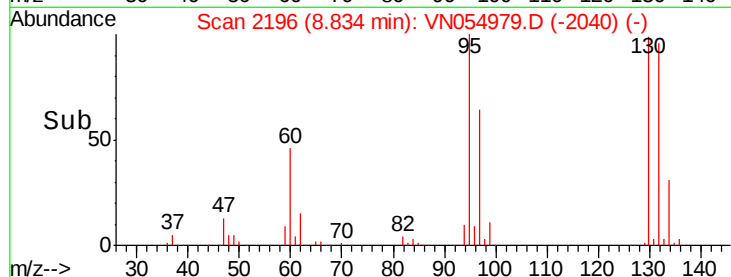
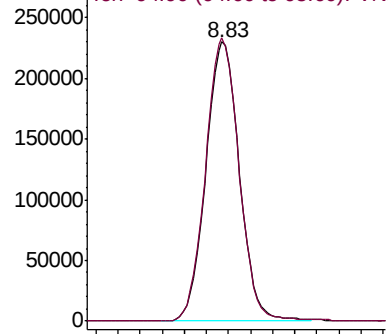
#37
 Trichloroethene
 Concen: 107.806 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 130 Resp: 485133
 Ion Ratio Lower Upper
 130 100
 95 101.4 76.6 115.0

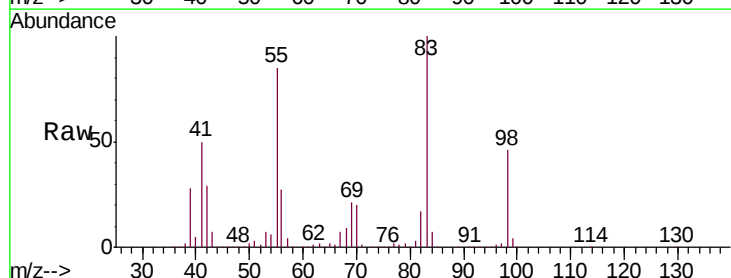


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

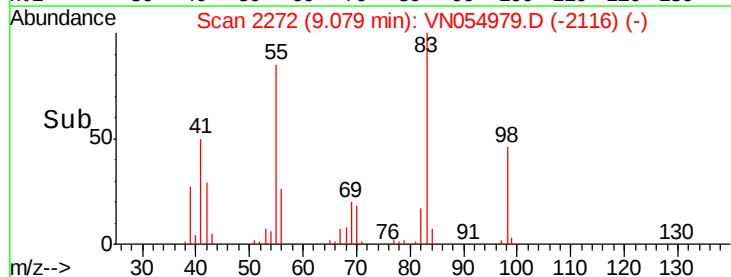
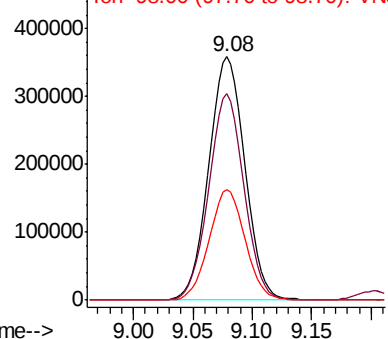


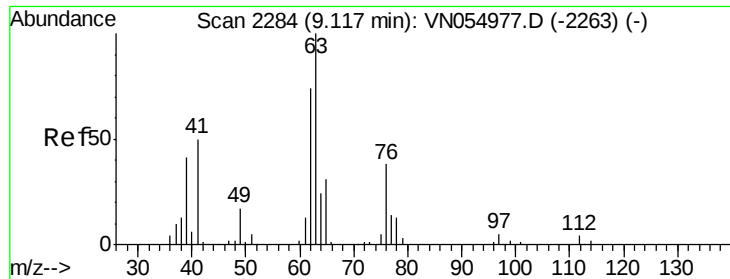
#38
 Methylcyclohexane
 Concen: 110.432 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 83 Resp: 752788
 Ion Ratio Lower Upper
 83 100
 55 82.9 41.9 125.6
 98 45.3 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 113.708 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

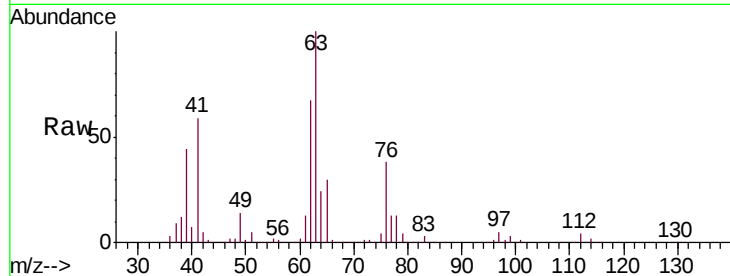
VSTDIC100

Tgt Ion: 63 Resp: 537363

Ion Ratio Lower Upper

63 100

65 30.0 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-2263) (-)

Ion 65.00 (64.70 to 65.70): VN054977.D (-2263) (-)

250000

200000

150000

100000

50000

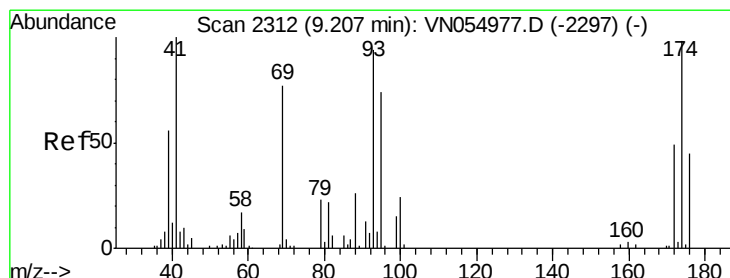
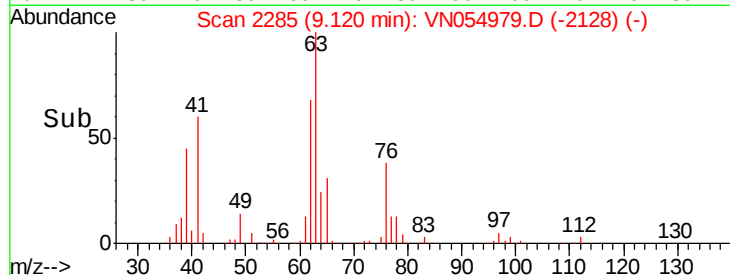
0

9.12

9.10

9.20

Time-->



#40

Dibromomethane

Concen: 110.376 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

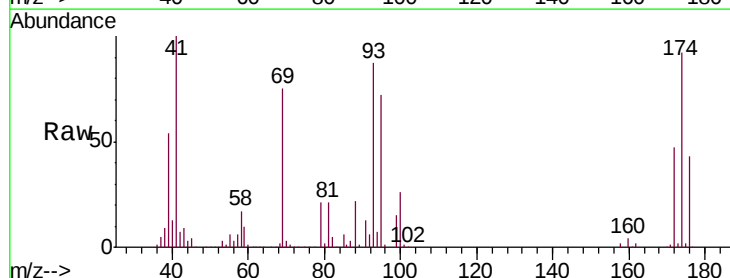
Tgt Ion: 93 Resp: 298143

Ion Ratio Lower Upper

93 100

95 83.0 0.0 160.8

174 104.5 0.0 206.4



Abundance Ion 93.00 (92.70 to 93.70): VN054977.D (-2297) (-)

Ion 95.00 (94.70 to 95.70): VN054977.D (-2297) (-)

Ion 174.00 (173.70 to 174.70): VN054977.D (-2297) (-)

200000

150000

100000

50000

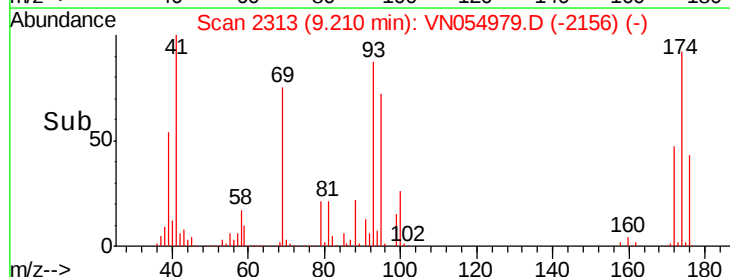
0

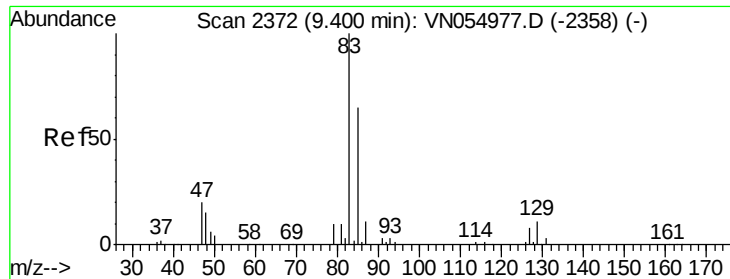
9.21

9.10

9.30

Time-->





#41

Bromodichloromethane

Concen: 112.444 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

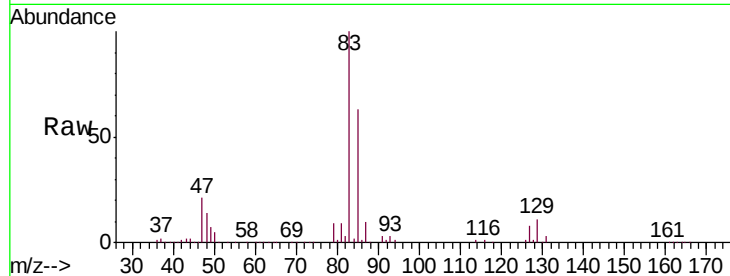
Tgt Ion: 83 Resp: 641233

Ion Ratio Lower Upper

83 100

85 63.3 52.0 78.0

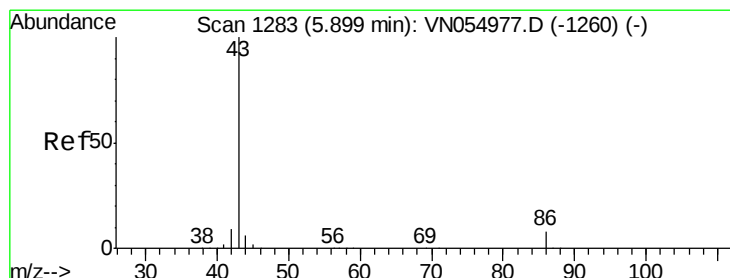
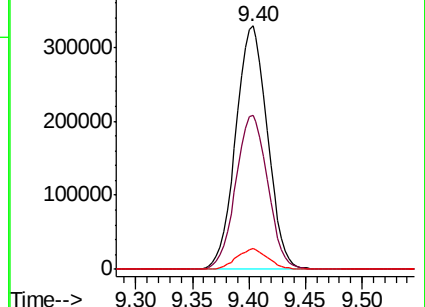
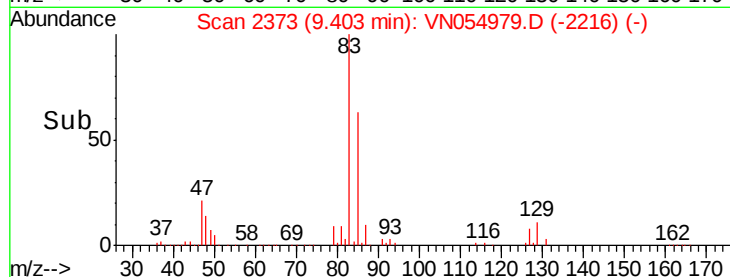
127 8.5 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN054979.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN054979.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN054979.D (-2216) (-)



#42

Vinyl Acetate

Concen: 622.923 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054979.D

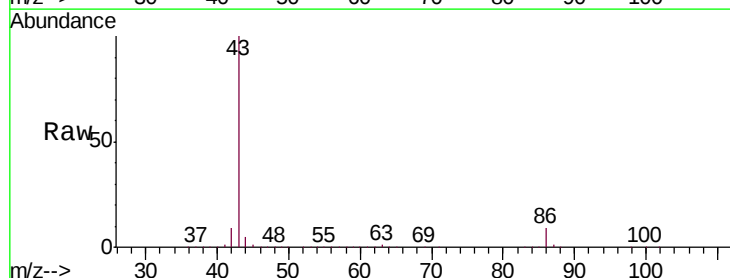
Acq: 11 Apr 2019 15:47

Tgt Ion: 43 Resp: 5809783

Ion Ratio Lower Upper

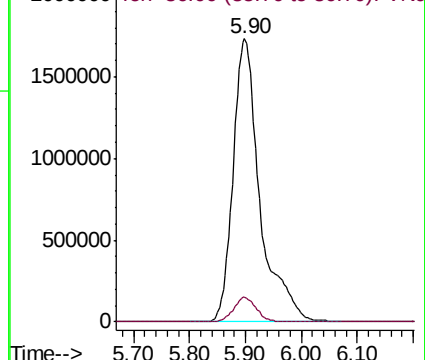
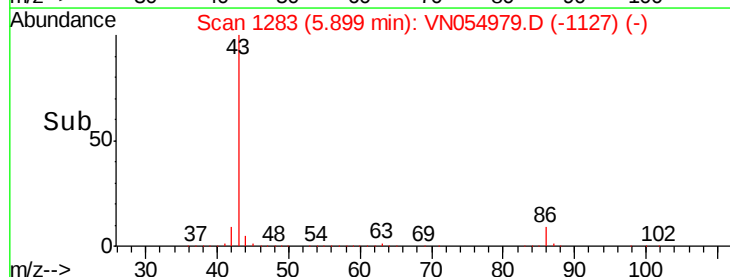
43 100

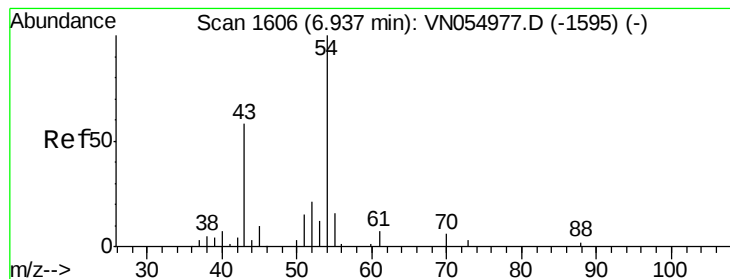
86 7.4 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN054979.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN054979.D (-1127) (-)





#43

Ethyl Acetate

Concen: 118.530 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

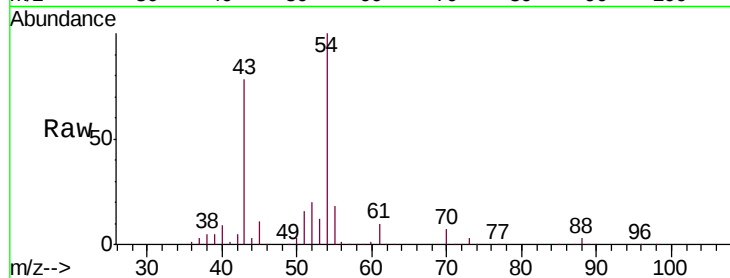
VSTDICC100

Tgt Ion: 43 Resp: 451152

Ion Ratio Lower Upper

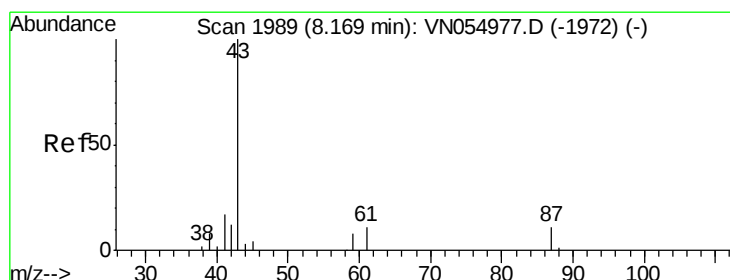
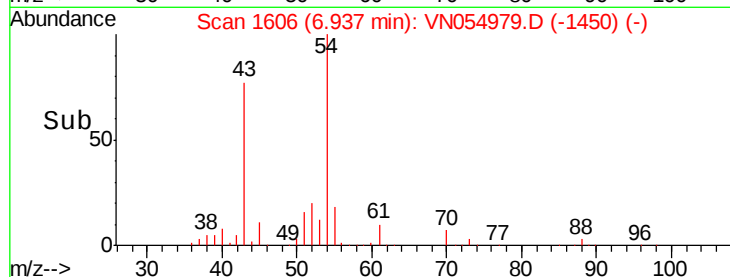
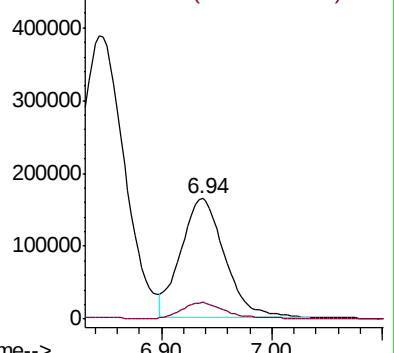
43 100

45 14.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 119.588 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054979.D

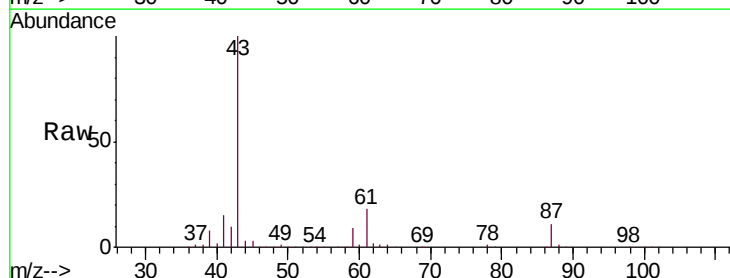
Acq: 11 Apr 2019 15:47

Tgt Ion: 43 Resp: 793321

Ion Ratio Lower Upper

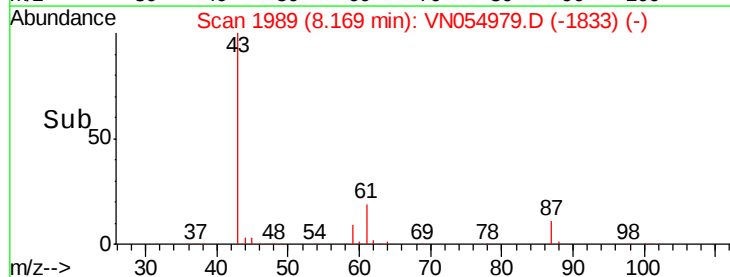
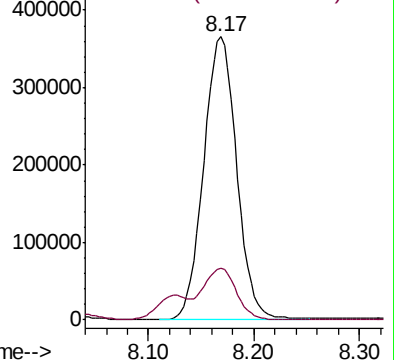
43 100

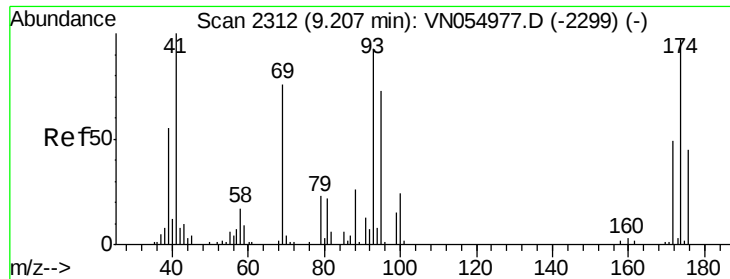
61 17.7 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

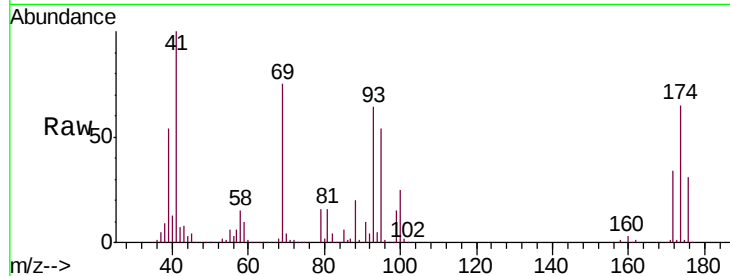




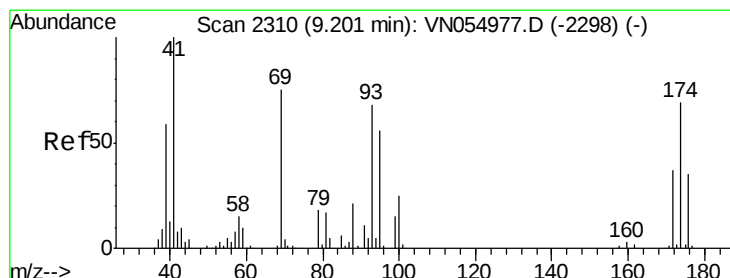
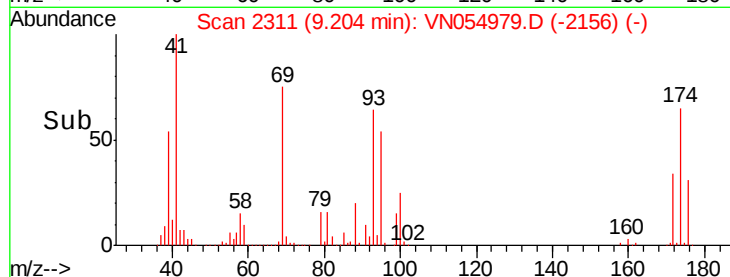
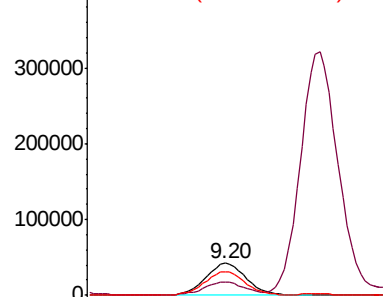
#45
 1,4-Dioxane
 Concen: 2451.472 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 86450
 Ion Ratio Lower Upper
 88 100
 43 39.4 34.5 51.7
 58 73.8 60.3 90.5

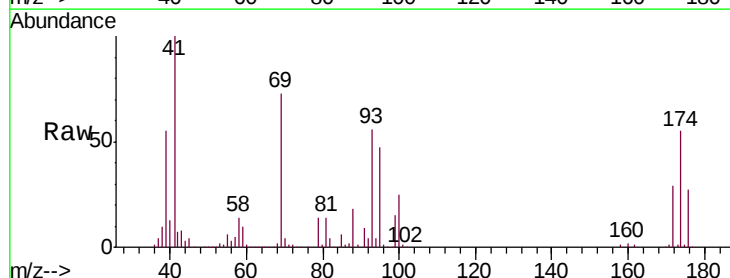


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

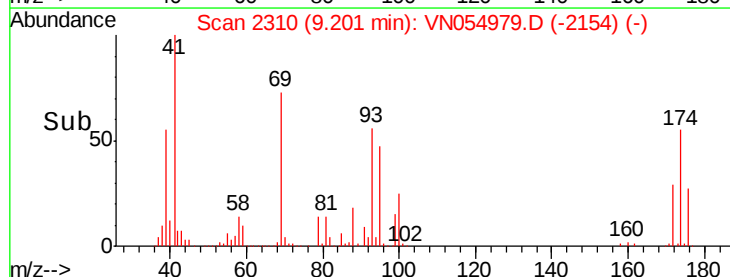
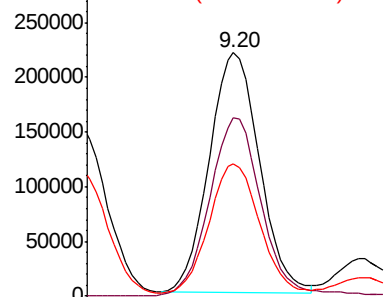


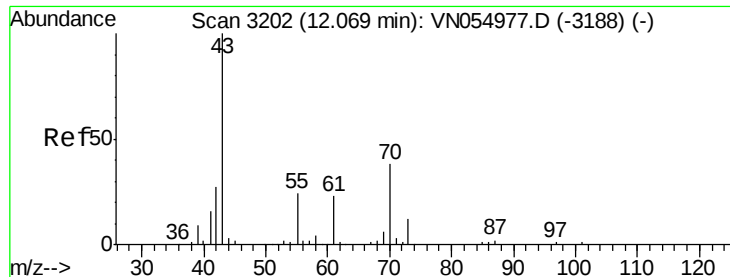
#46
 Methyl methacrylate
 Concen: 129.690 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 41 Resp: 414031
 Ion Ratio Lower Upper
 41 100
 69 73.9 37.3 111.9
 39 54.2 29.4 88.2



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





#47

n-amy1 Acetate

Concen: 131.683 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

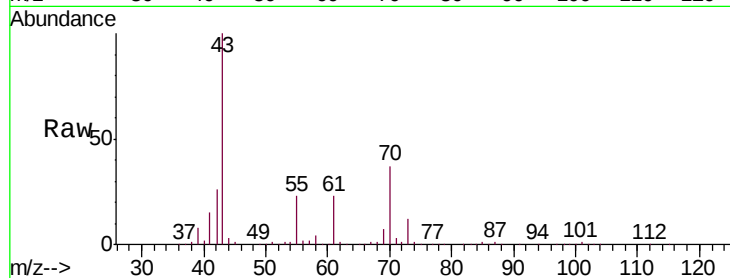
VSTDIC100

Tgt Ion: 43 Resp: 630889

Ion Ratio Lower Upper

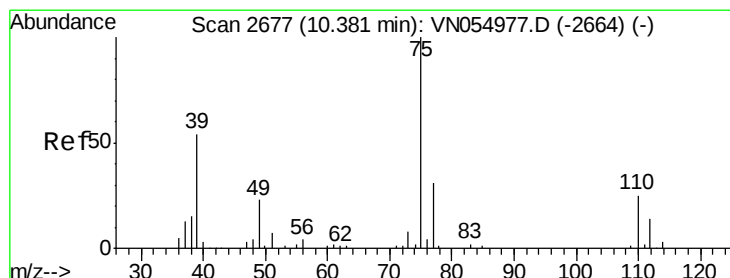
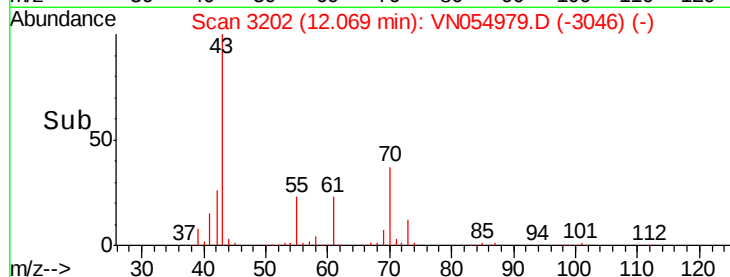
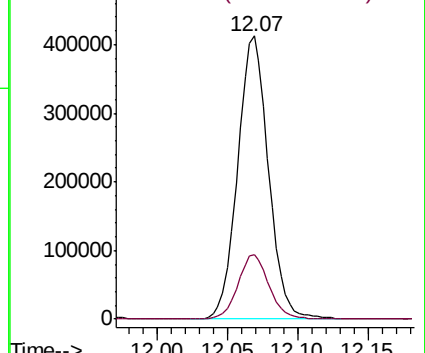
43 100

55 22.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 112.665 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054979.D

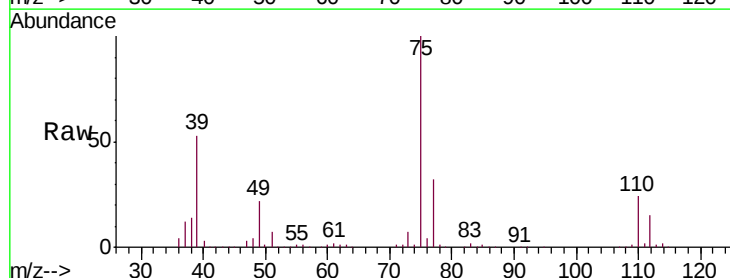
Acq: 11 Apr 2019 15:47

Tgt Ion: 75 Resp: 633032

Ion Ratio Lower Upper

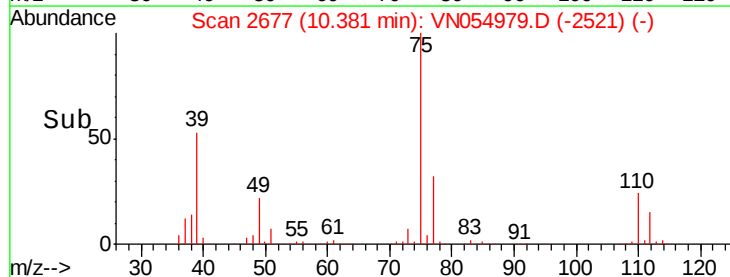
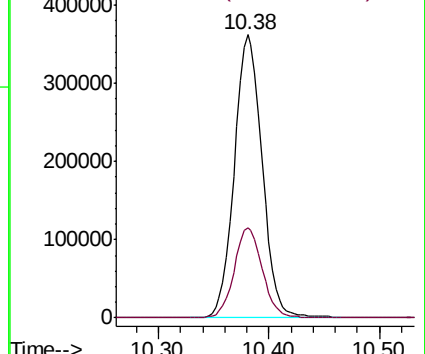
75 100

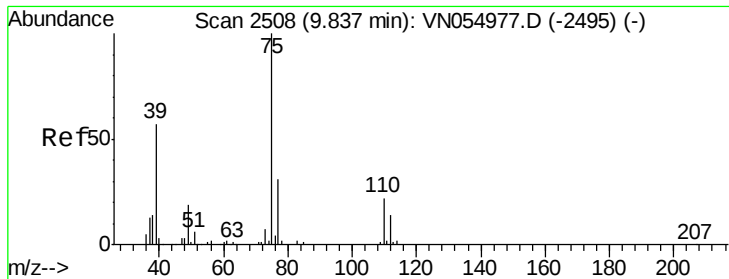
77 31.8 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



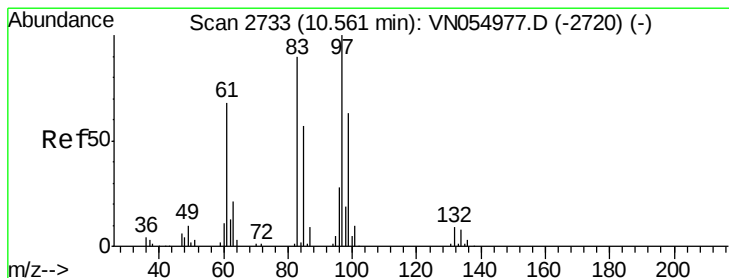
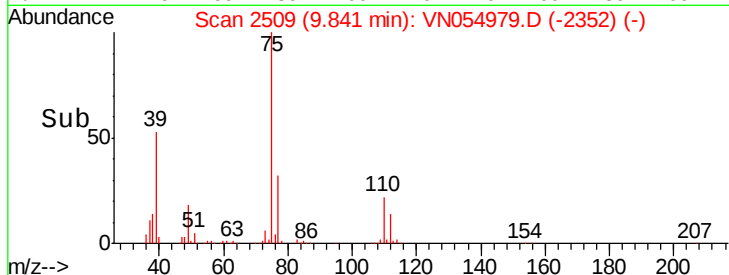
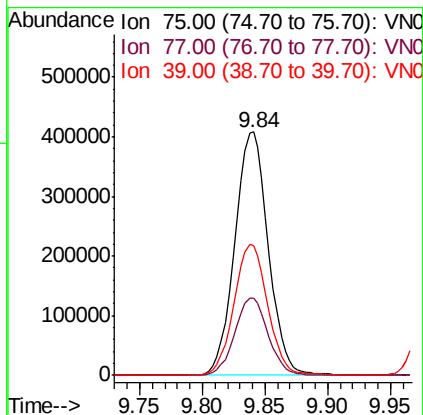
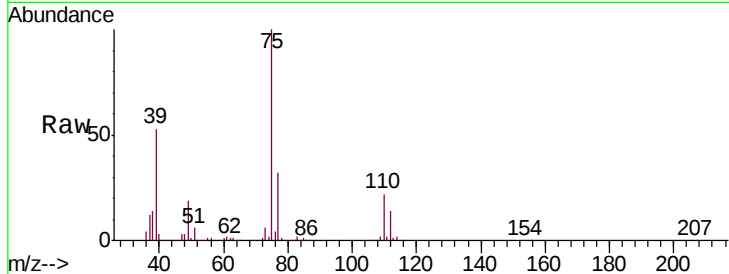


#49

cis-1,3-Dichloropropene
 Concen: 113.785 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

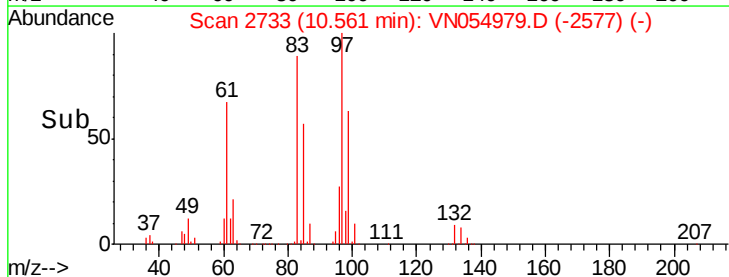
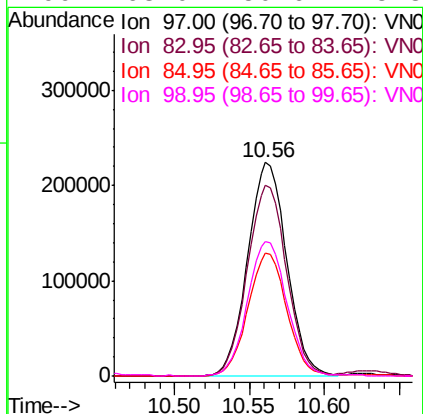
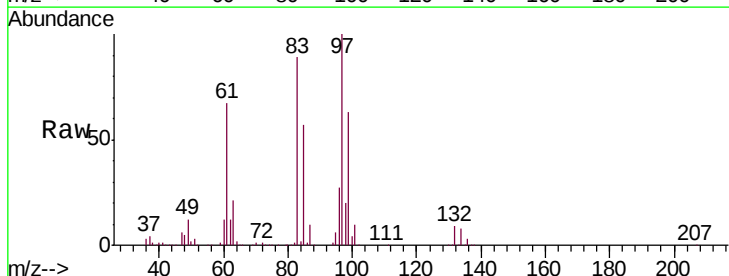
Tgt Ion: 75 Resp: 756611
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.7 37.1
 39 53.4 45.3 67.9

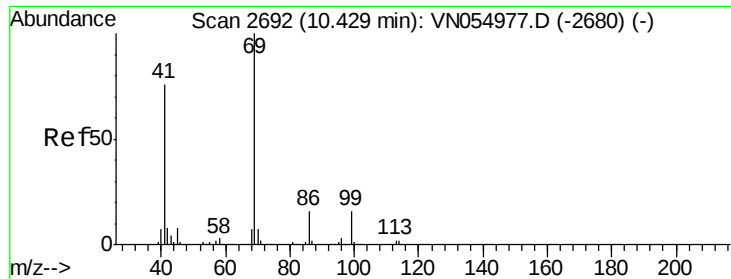


#50

1,1,2-Trichloroethane
 Concen: 107.944 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 97 Resp: 407415
 Ion Ratio Lower Upper
 97 100
 83 89.2 72.1 108.1
 85 57.4 45.4 68.0
 99 63.0 50.6 75.8





#51

Ethyl methacrylate

Concen: 117.940 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

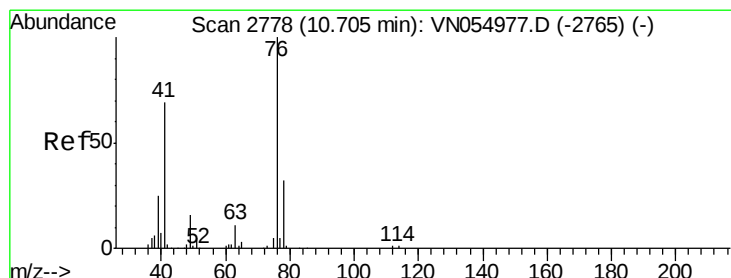
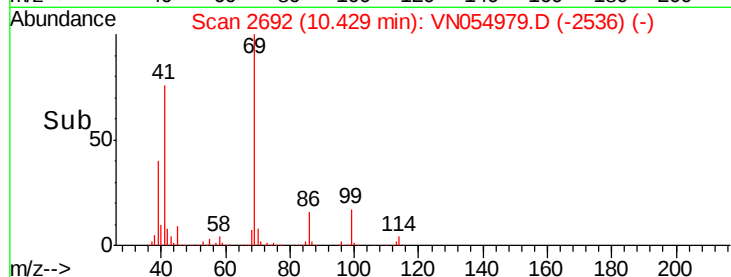
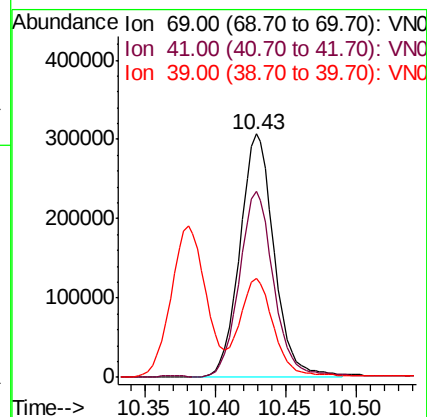
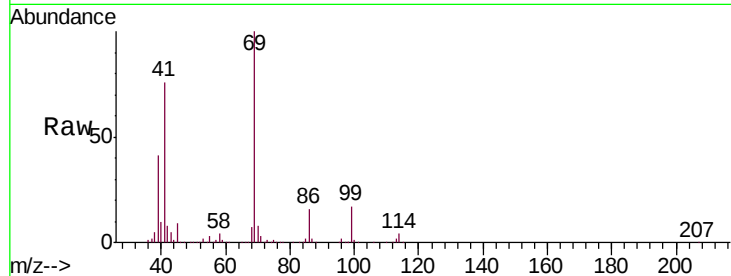
Tgt Ion: 69 Resp: 523900

Ion Ratio Lower Upper

69 100

41 76.0 37.9 113.7

39 39.8 19.8 59.4



#52

1,3-Dichloropropane

Concen: 113.554 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054979.D

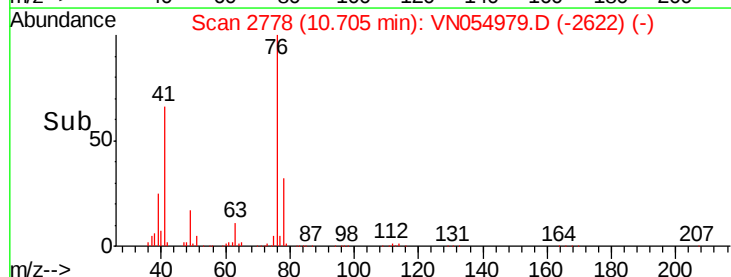
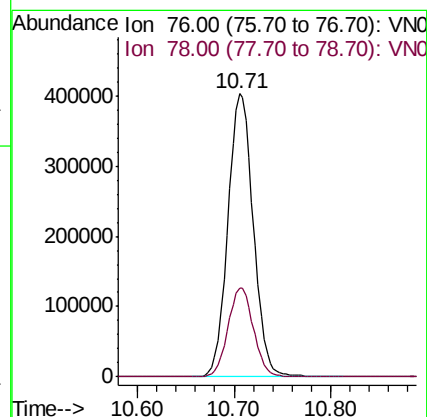
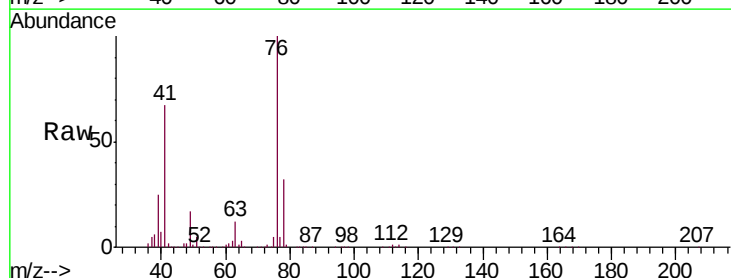
Acq: 11 Apr 2019 15:47

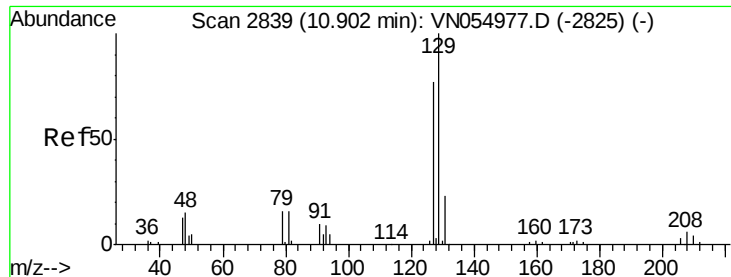
Tgt Ion: 76 Resp: 733652

Ion Ratio Lower Upper

76 100

78 31.8 0.0 64.4





#53

Dibromochloromethane

Concen: 109.788 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

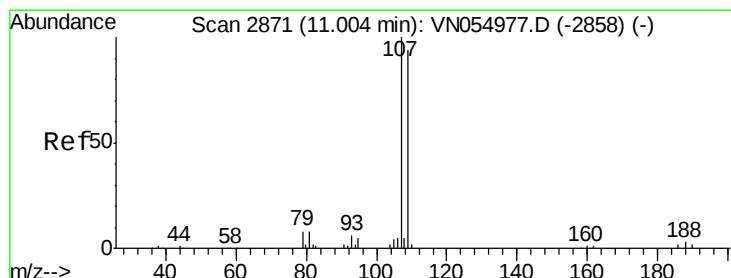
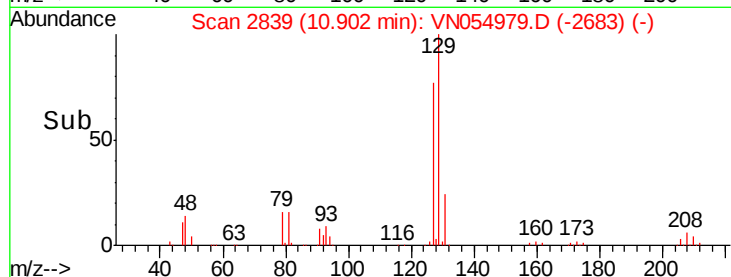
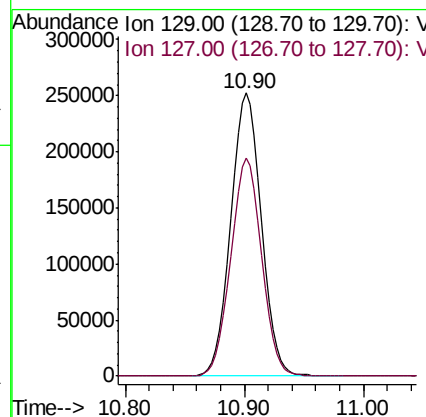
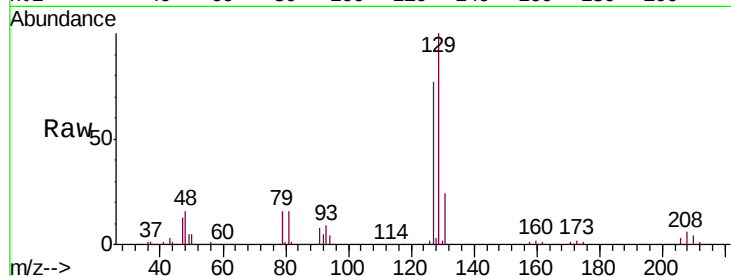
VSTDIC100

Tgt Ion:129 Resp: 449725

Ion Ratio Lower Upper

129 100

127 77.7 37.8 113.3



#54

1,2-Dibromoethane

Concen: 112.775 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054979.D

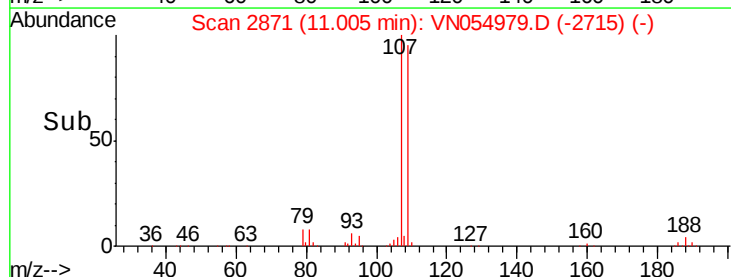
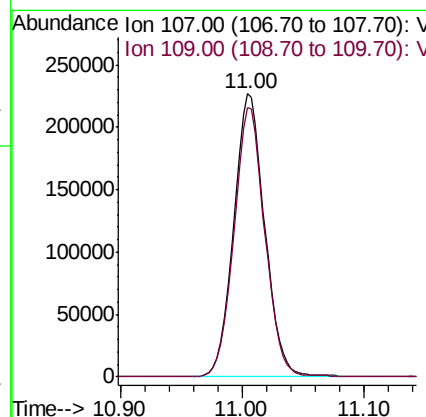
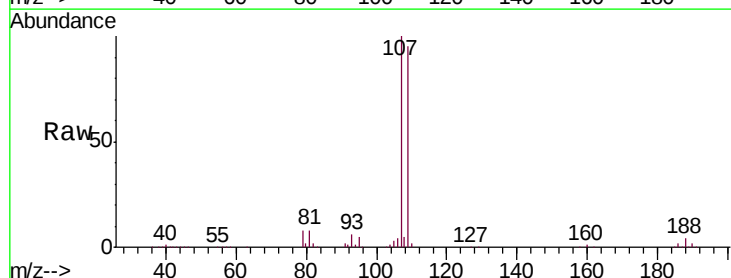
Acq: 11 Apr 2019 15:47

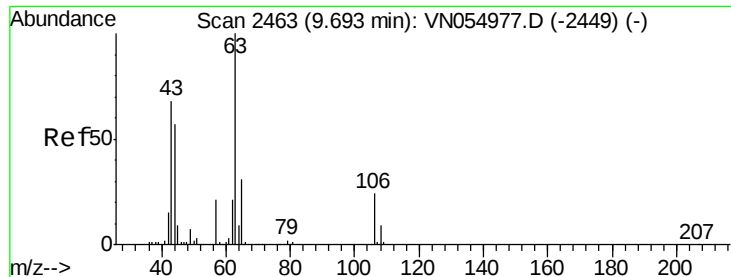
Tgt Ion:107 Resp: 400989

Ion Ratio Lower Upper

107 100

109 94.2 76.2 114.2



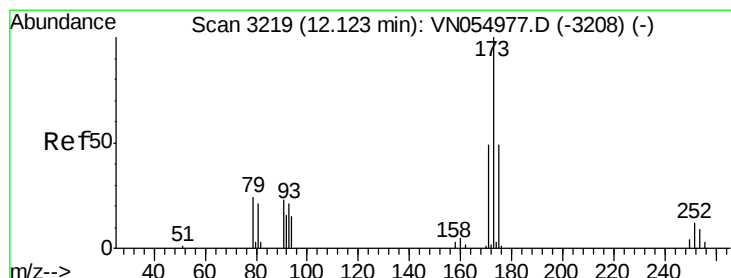
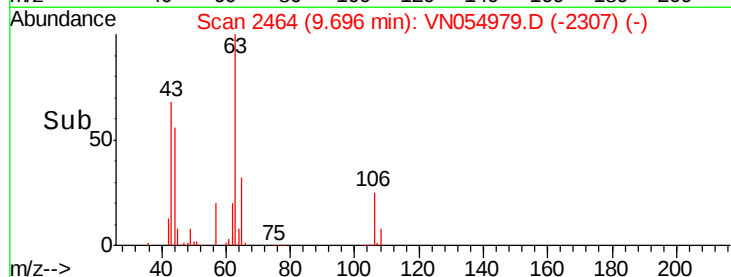
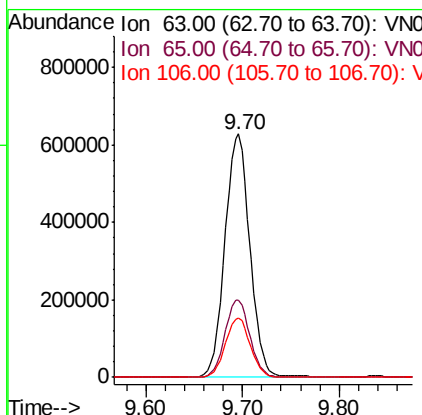
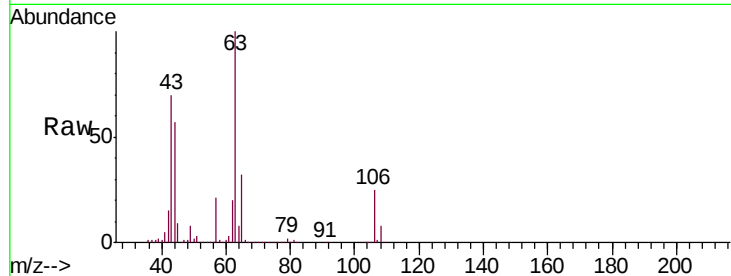


#55
 2-Chloroethyl vinyl ether
 Concen: 551.876 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 1127307

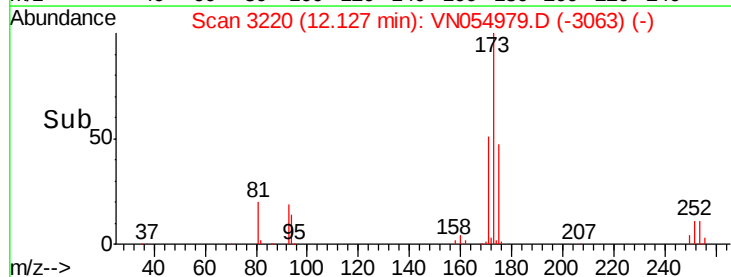
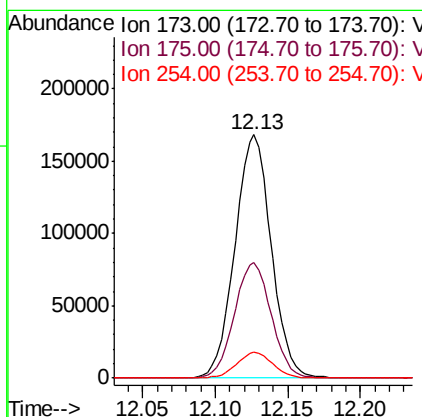
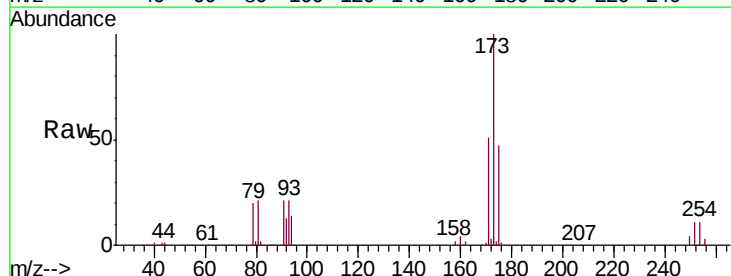
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.0
106	24.3	19.8	29.6

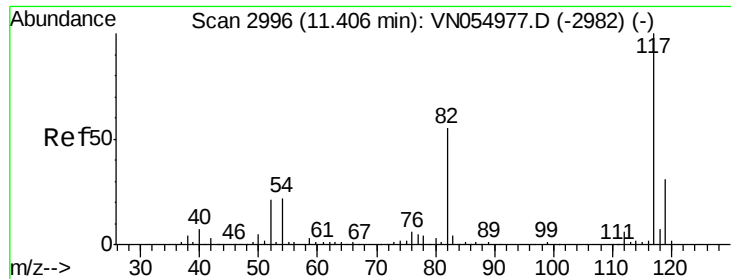


#56
 Bromoform
 Concen: 108.689 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 173 Resp: 292609

Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.6	57.8
254	10.5	6.8	10.2

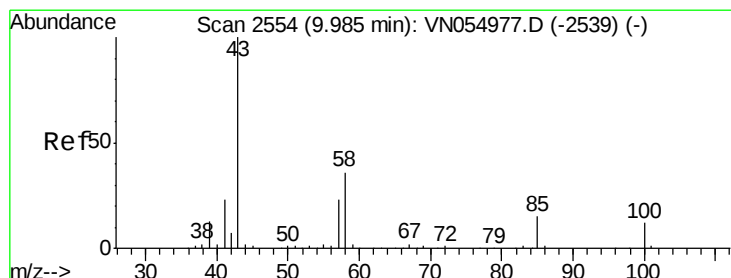
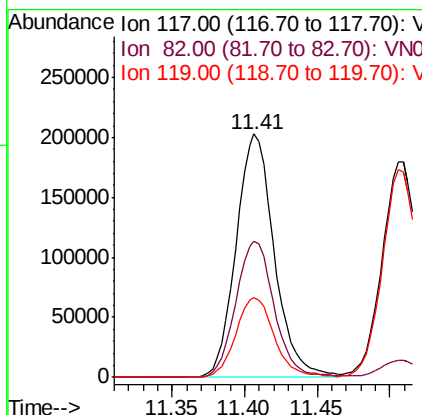
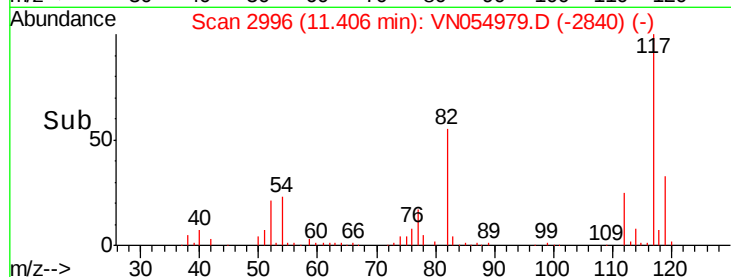
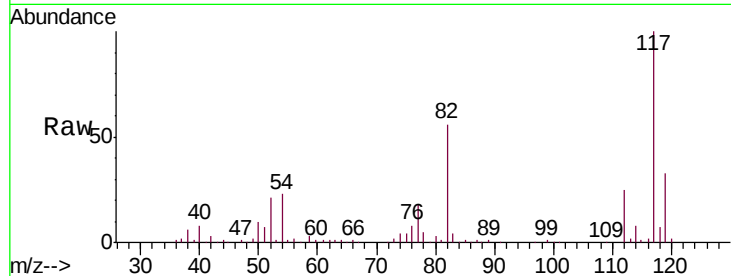




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

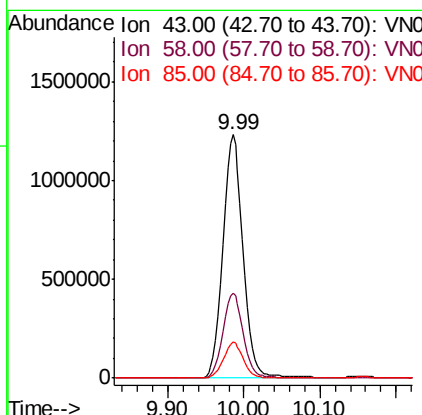
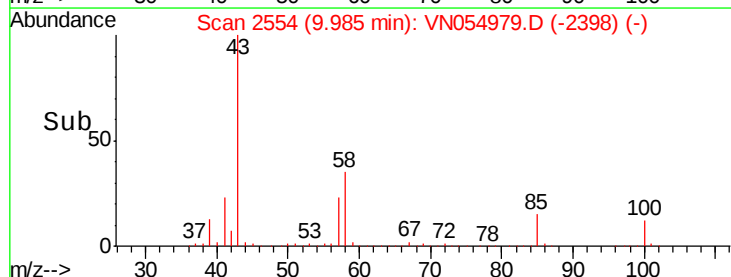
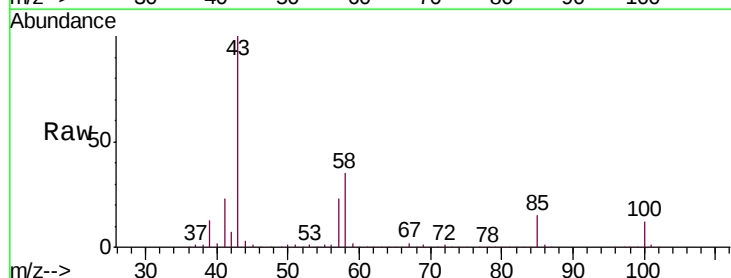
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

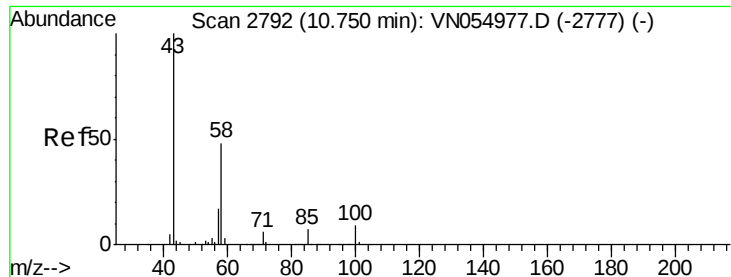
Tgt Ion: 117 Resp: 371435
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 32.9 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 628.496 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion: 43 Resp: 2276219
Ion Ratio Lower Upper
43 100
58 35.1 28.7 43.1
85 14.5 11.8 17.6

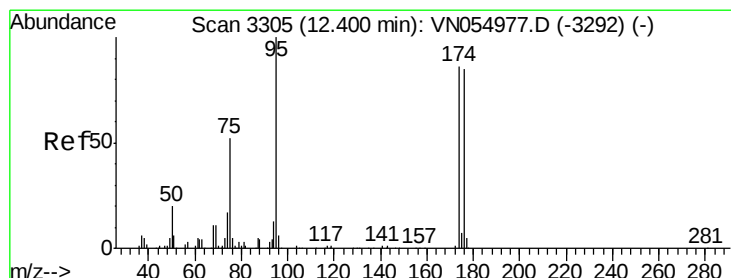
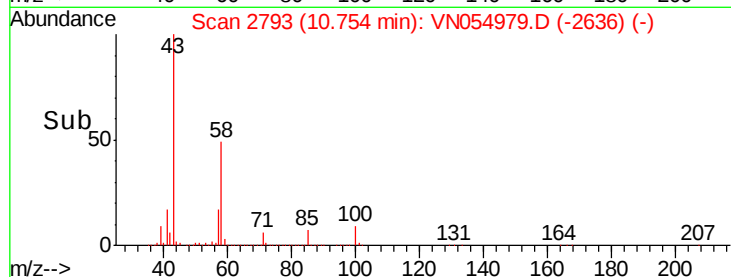
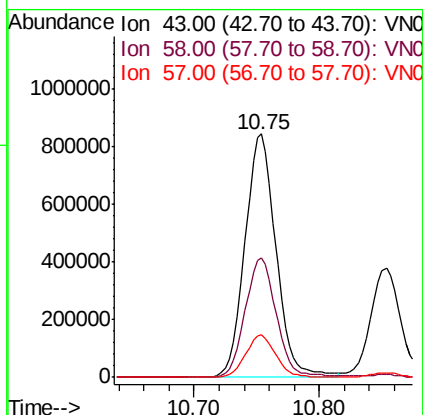
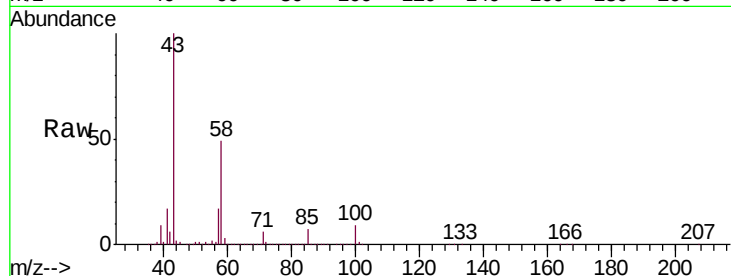




#59
2-Hexanone
Concen: 612.509 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

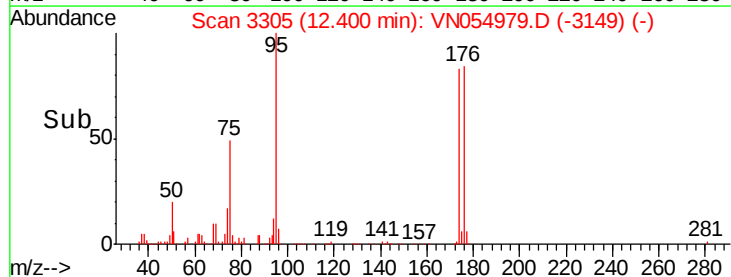
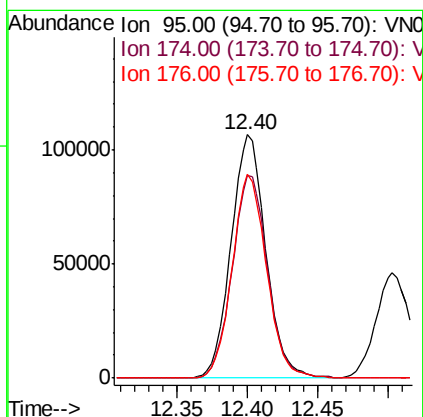
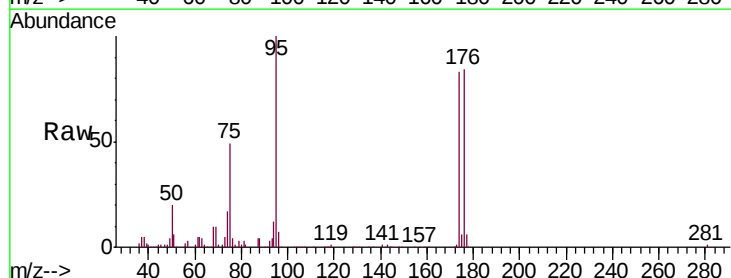
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

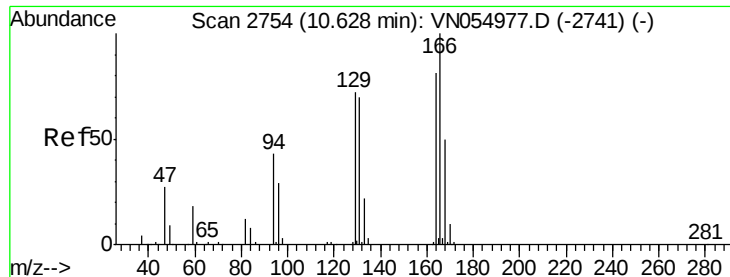
Tgt Ion: 43 Resp: 1449836
Ion Ratio Lower Upper
43 100
58 50.0 38.8 58.2
57 17.2 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 612.509 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion: 95 Resp: 184196
Ion Ratio Lower Upper
95 100
174 84.6 69.4 104.2
176 82.8 67.4 101.2





#61

Tetrachloroethene

Concen: 101.957 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 465114

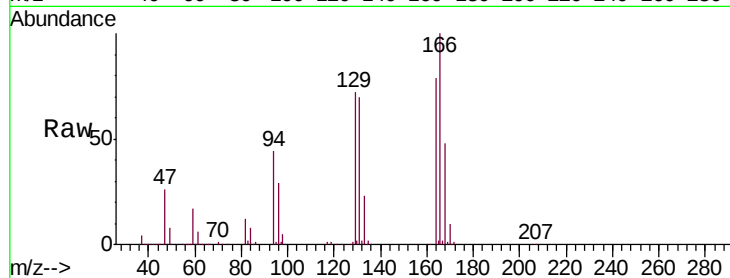
Ion Ratio Lower Upper

164 100

166 127.0 99.0 148.4

129 91.7 71.4 107.0

131 89.0 68.8 103.2

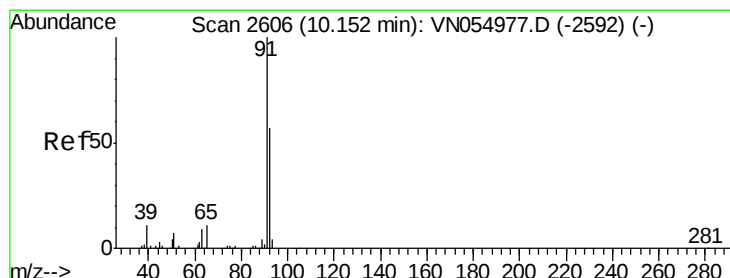
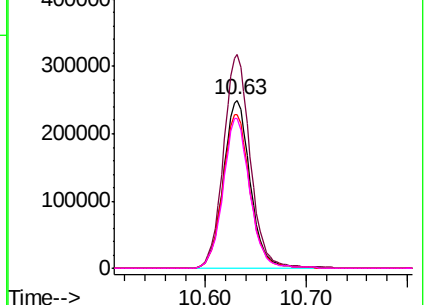
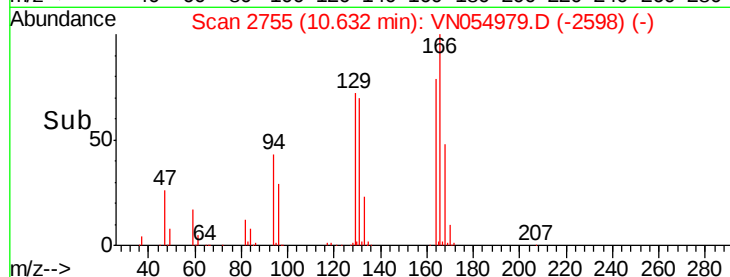


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 111.415 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN054979.D

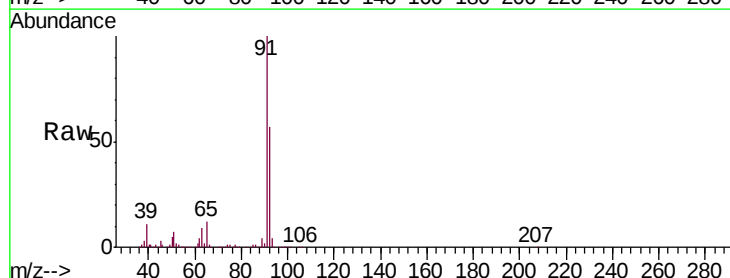
Acq: 11 Apr 2019 15:47

Tgt Ion: 91 Resp: 2029991

Ion Ratio Lower Upper

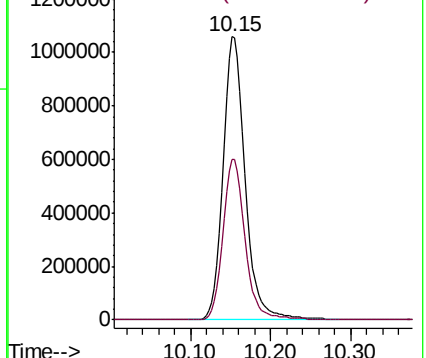
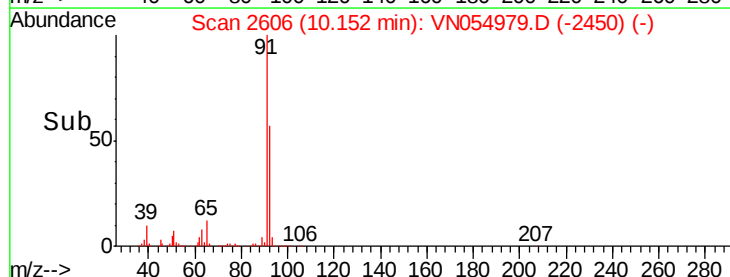
91 100

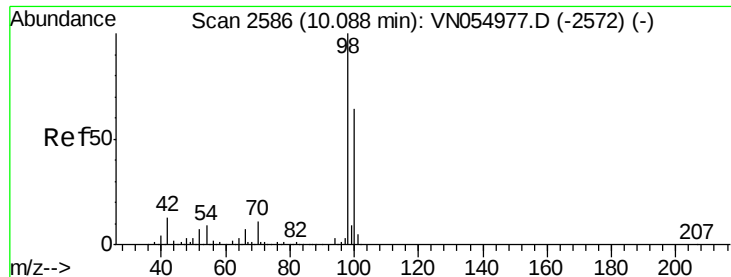
92 56.9 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 111.415 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

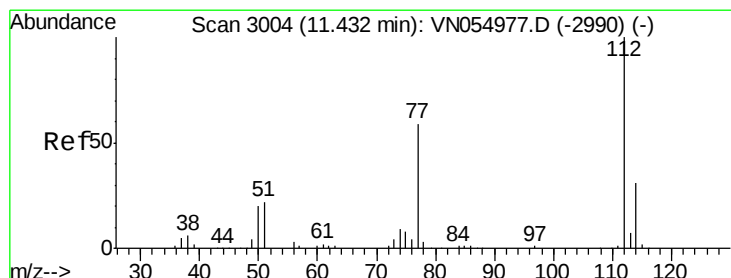
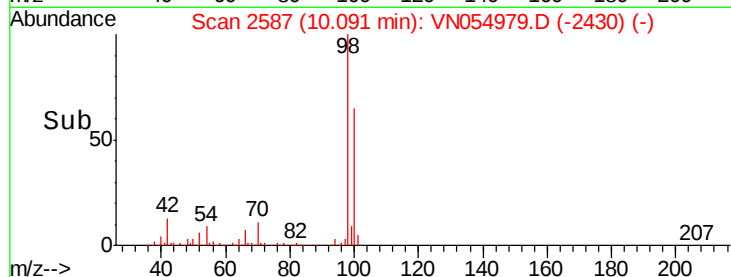
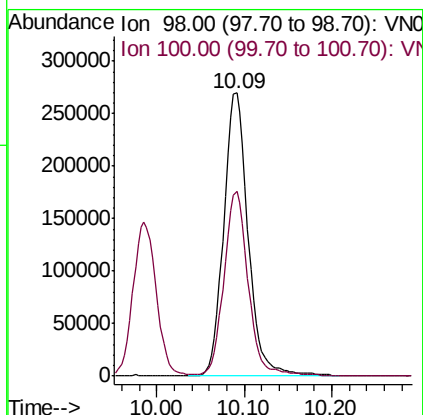
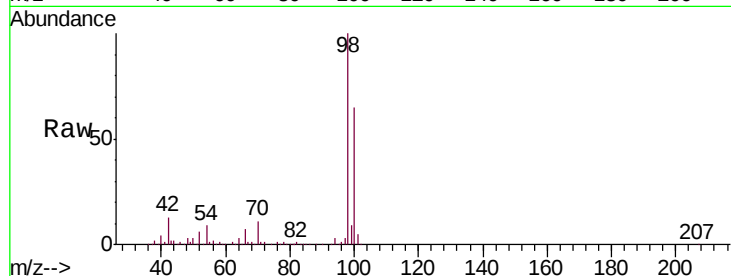
VSTDIC100

Tgt Ion: 98 Resp: 525266

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7



#64

Chlorobenzene

Concen: 111.619 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054979.D

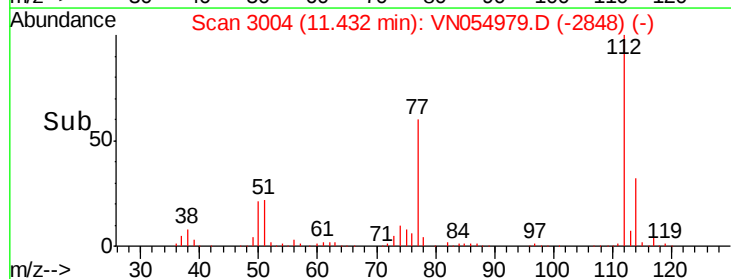
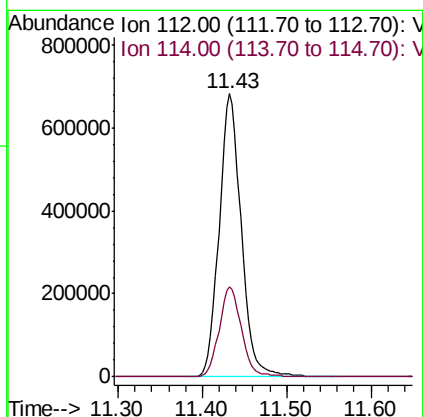
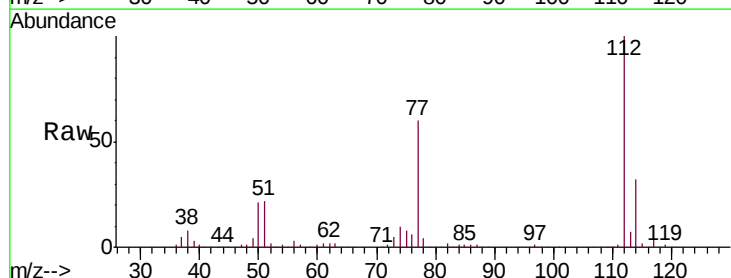
Acq: 11 Apr 2019 15:47

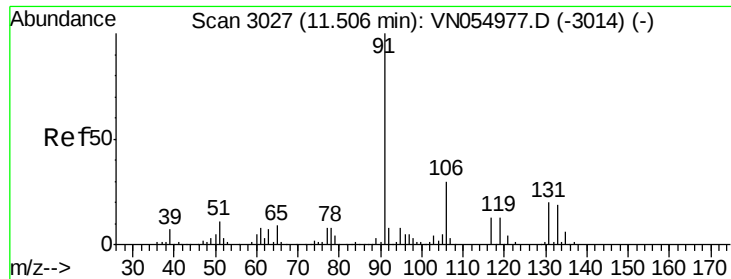
Tgt Ion: 112 Resp: 1240774

Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 111.715 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

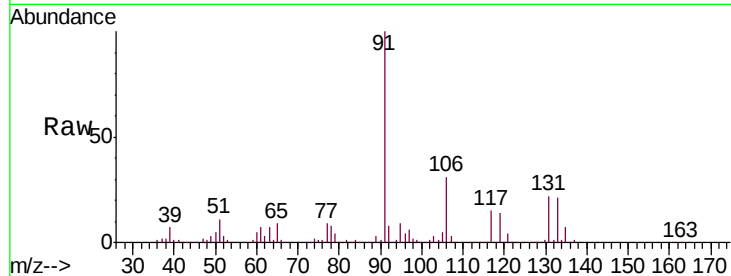
Tgt Ion:131 Resp: 453293

Ion Ratio Lower Upper

131 100

133 95.2 0.0 187.8

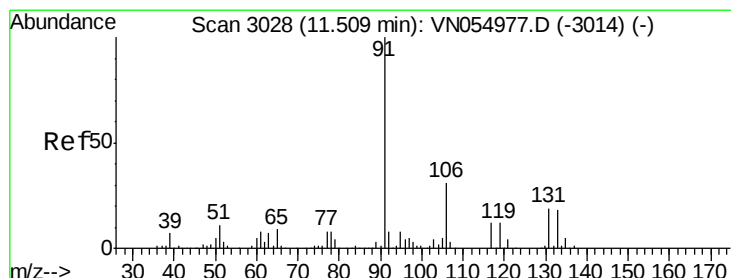
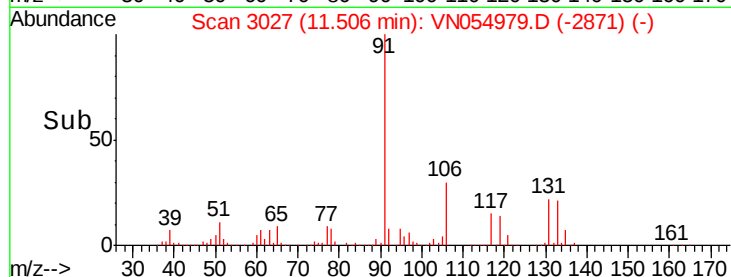
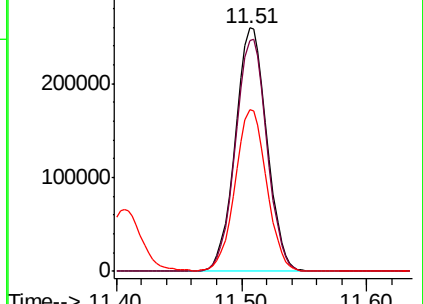
119 66.2 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 116.360 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054979.D

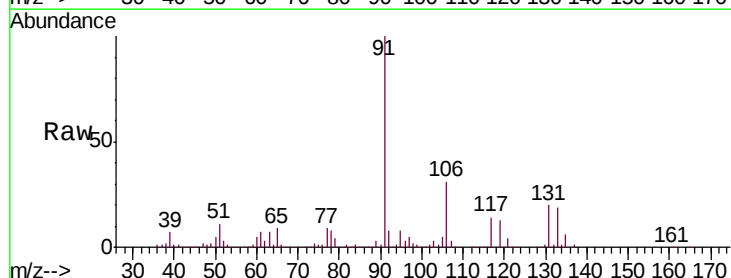
Acq: 11 Apr 2019 15:47

Tgt Ion: 91 Resp: 2215735

Ion Ratio Lower Upper

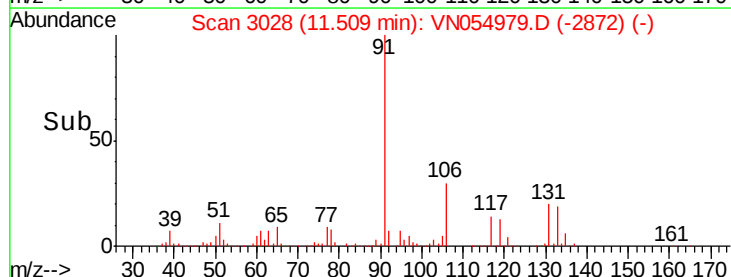
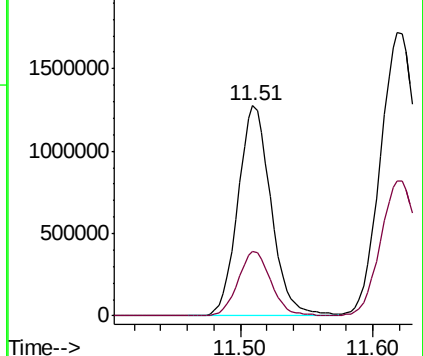
91 100

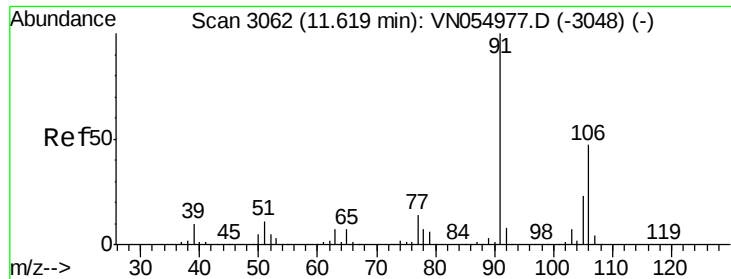
106 30.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

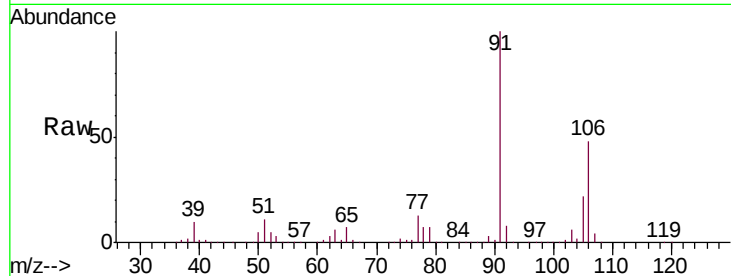




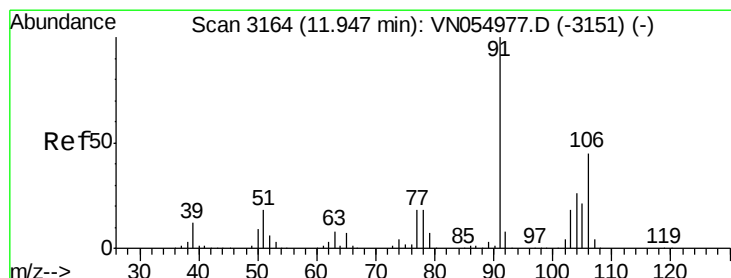
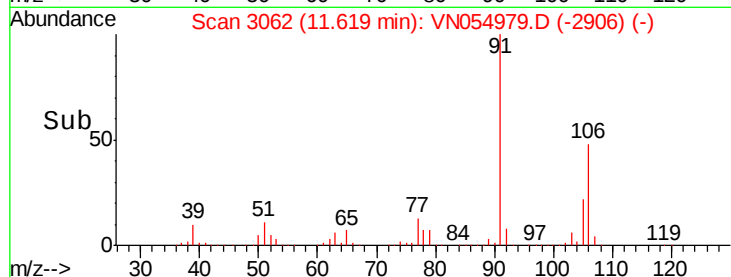
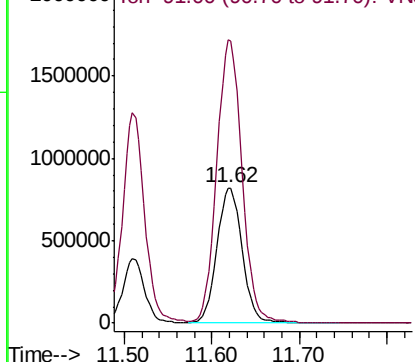
#67
m/p-Xylenes
Concen: 232.246 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1657368
Ion Ratio Lower Upper
106 100
91 208.6 167.4 251.2

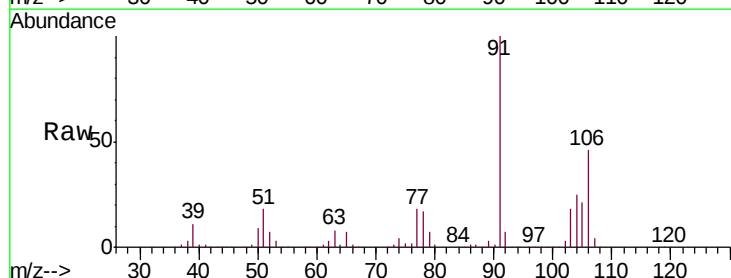


Abundance Ion 106.00 (105.70 to 106.70): V
2000000 Ion 91.00 (90.70 to 91.70): VN

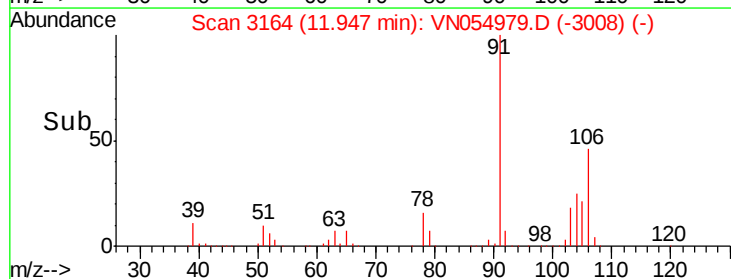
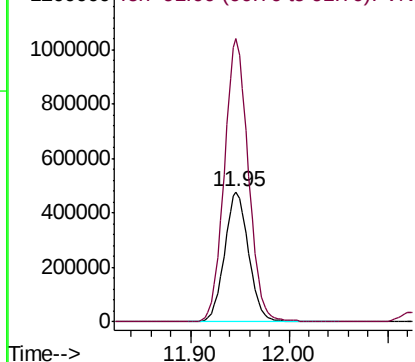


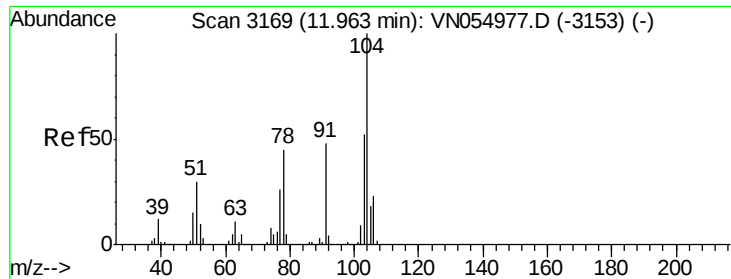
#68
o-Xylene
Concen: 118.231 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion:106 Resp: 821051
Ion Ratio Lower Upper
106 100
91 217.7 110.3 330.8



Abundance Ion 106.00 (105.70 to 106.70): V
1200000 Ion 91.00 (90.70 to 91.70): VN

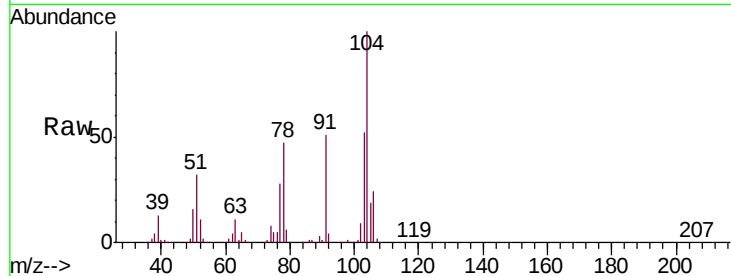




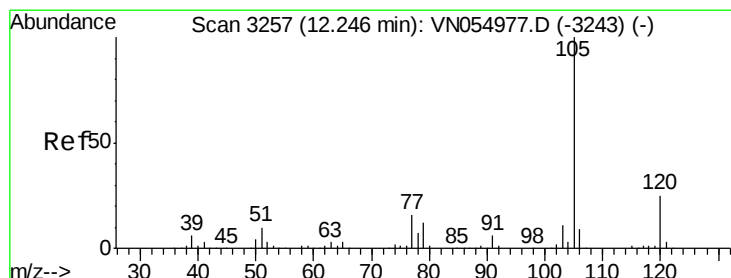
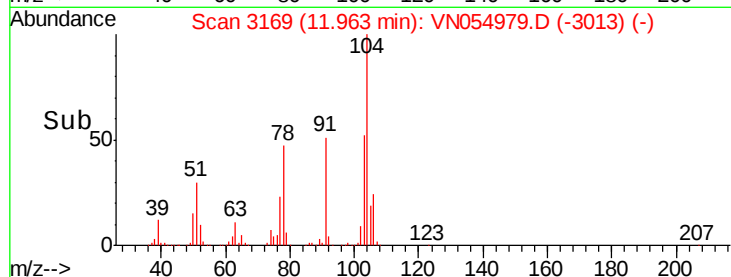
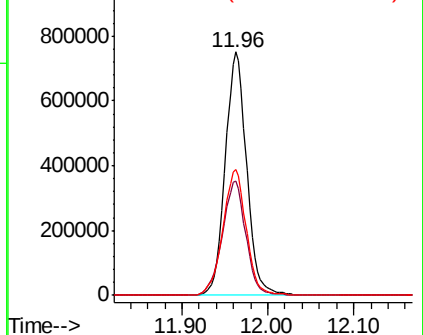
#69
Styrene
Concen: 119.566 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:104 Resp: 1301066
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 56.3 44.6 67.0

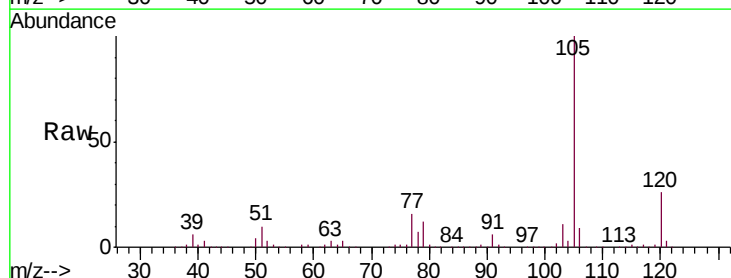


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

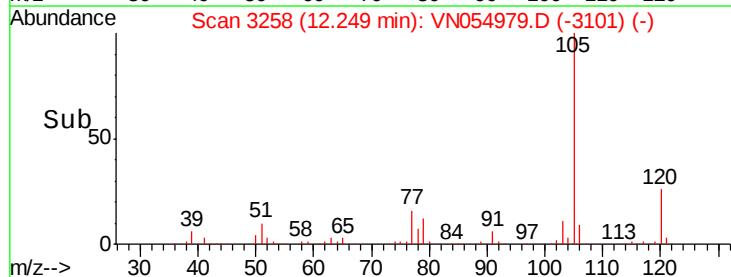
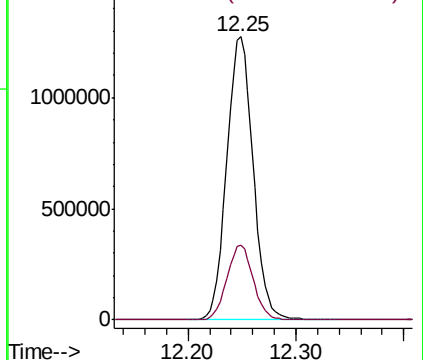


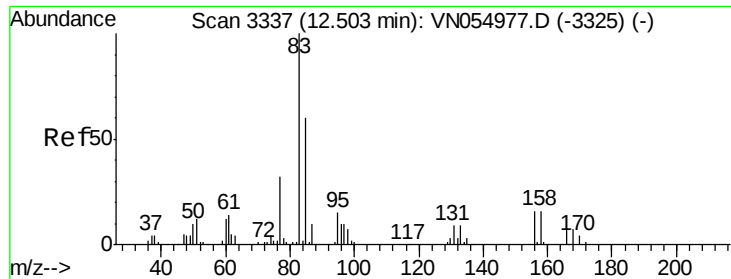
#70
Isopropylbenzene
Concen: 118.860 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion:105 Resp: 2167628
Ion Ratio Lower Upper
105 100
120 26.4 18.3 33.9



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

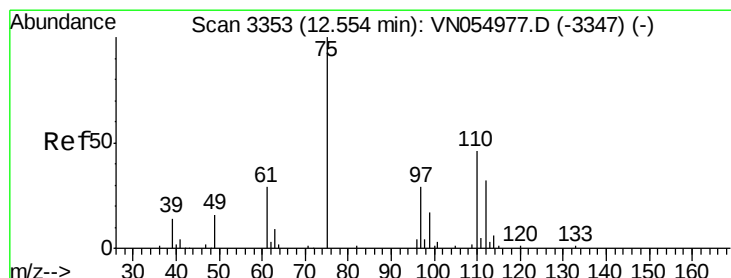
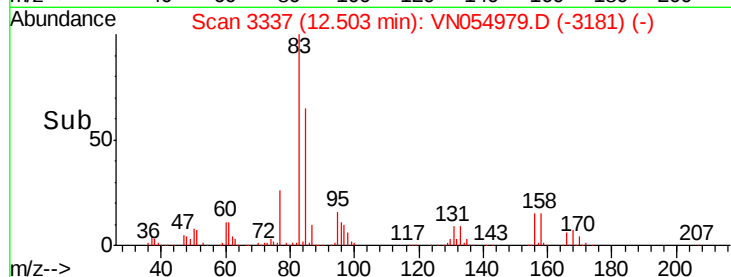
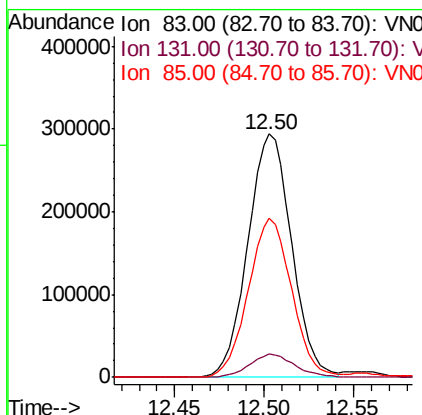
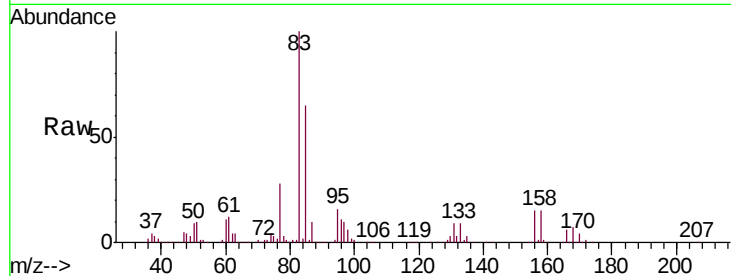




#71
 1,1,2,2-Tetrachloroethane
 Concen: 112.787 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

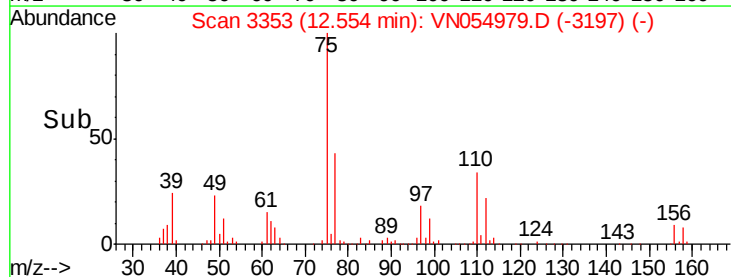
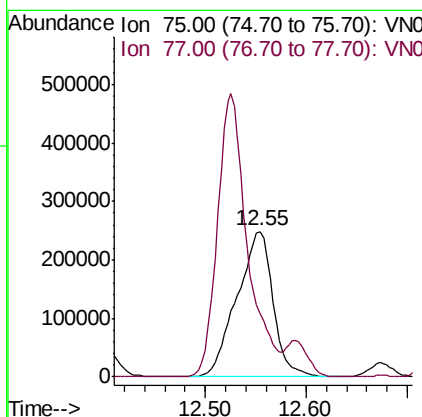
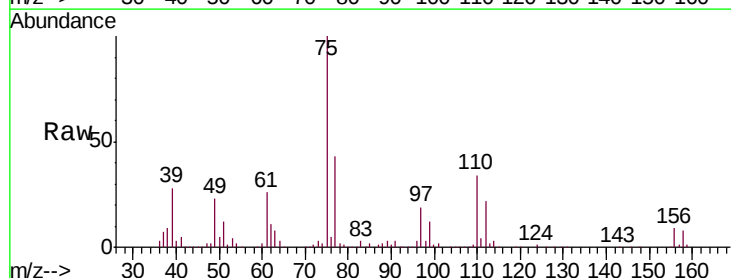
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

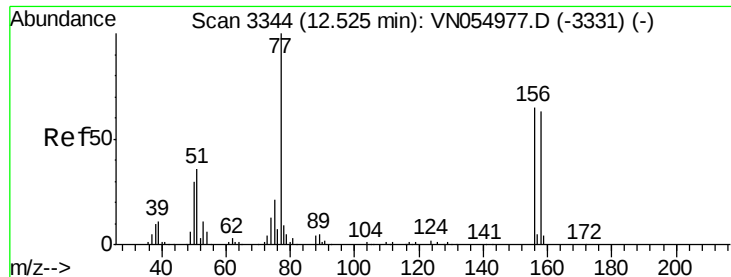
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.6	13.8
85	64.7	30.9	92.5



#72
 1,2,3-Trichloropropane
 Concen: 180.183 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	162.6	0.0	466.6





#73

Bromobenzene

Concen: 115.459 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

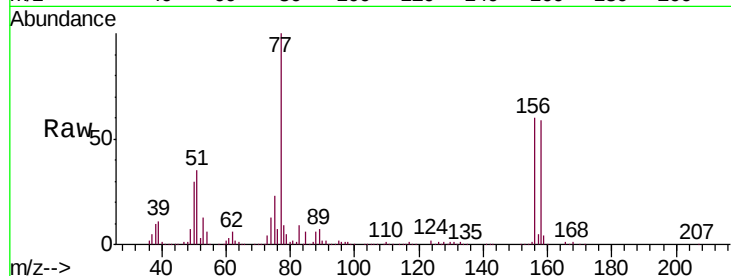
Tgt Ion:156 Resp: 527581

Ion Ratio Lower Upper

156 100

77 189.6 0.0 383.2

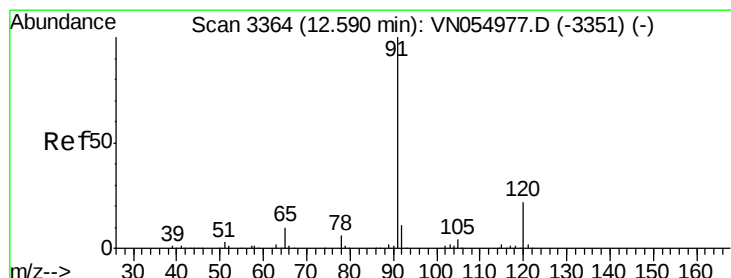
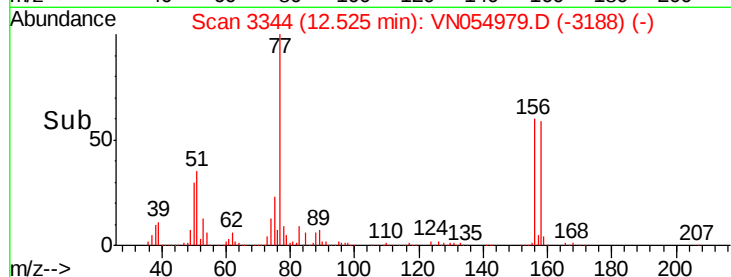
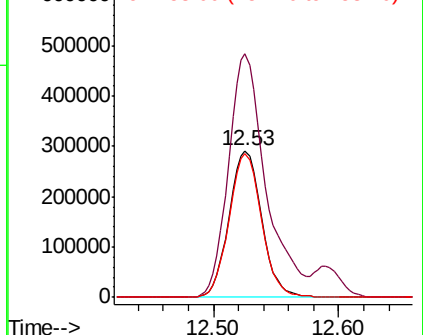
158 97.4 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 115.379 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054979.D

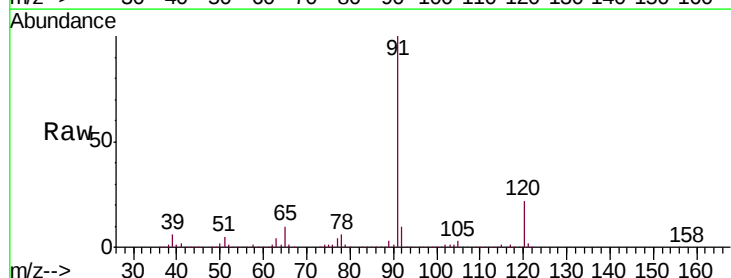
Acq: 11 Apr 2019 15:47

Tgt Ion: 91 Resp: 2492034

Ion Ratio Lower Upper

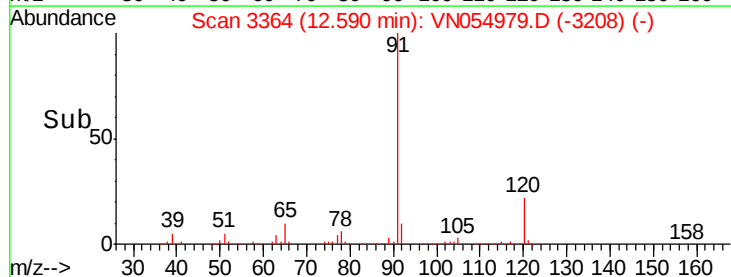
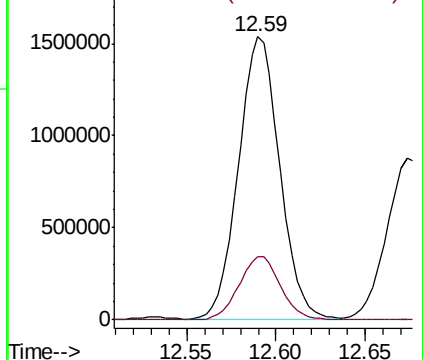
91 100

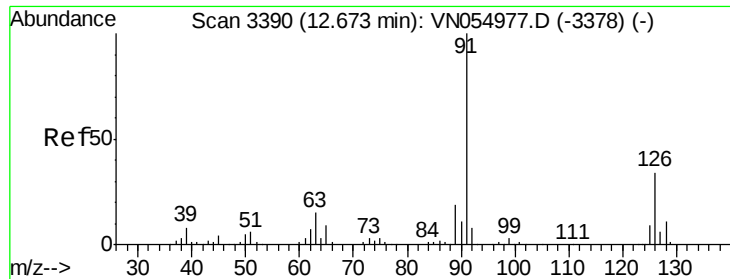
120 22.4 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 116.723 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

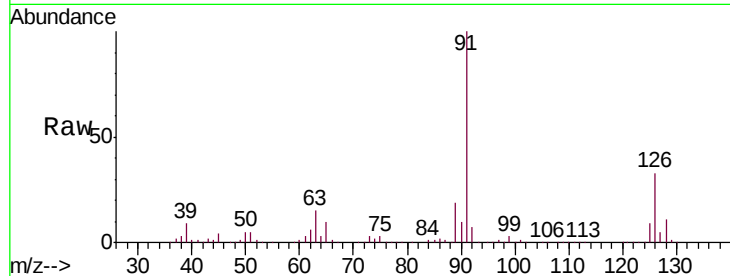
VSTDIC100

Tgt Ion: 91 Resp: 1481659

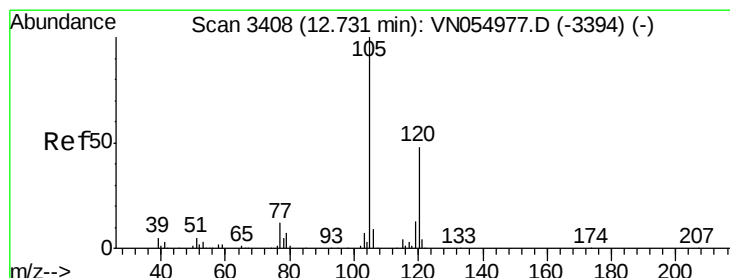
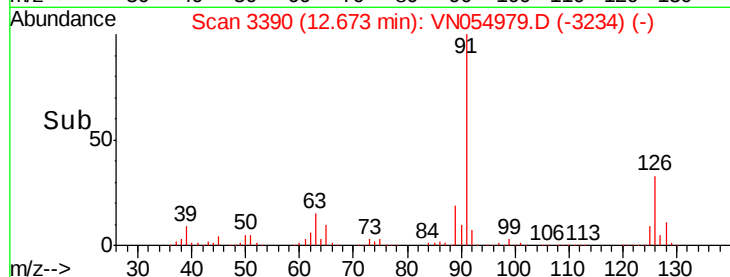
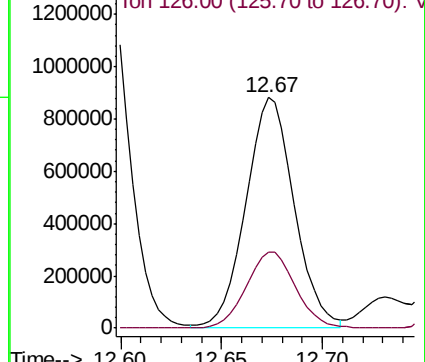
Ion Ratio Lower Upper

91 100

126 33.8 0.0 67.4



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 114.688 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054979.D

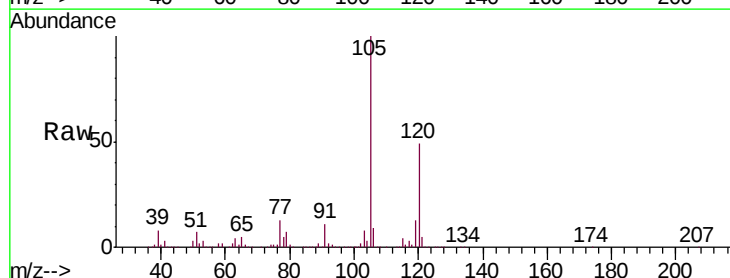
Acq: 11 Apr 2019 15:47

Tgt Ion: 105 Resp: 1762997

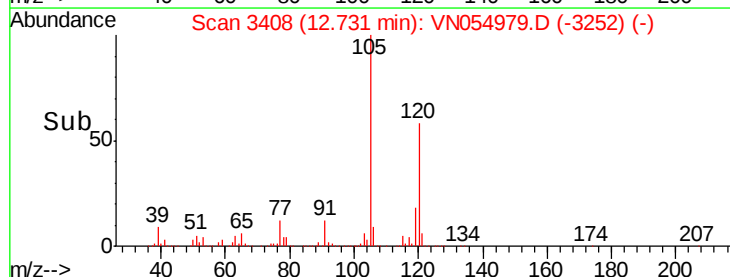
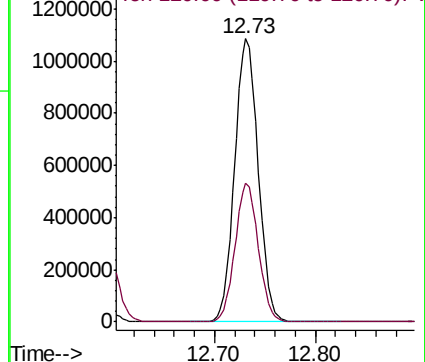
Ion Ratio Lower Upper

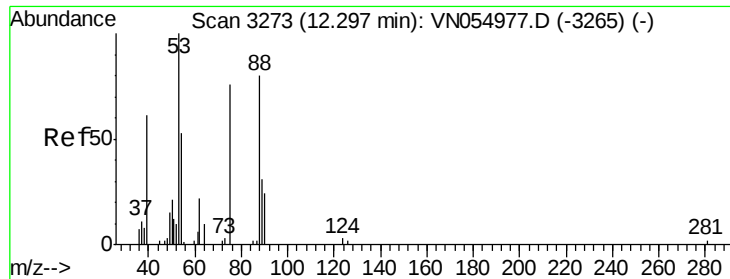
105 100

120 48.5 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

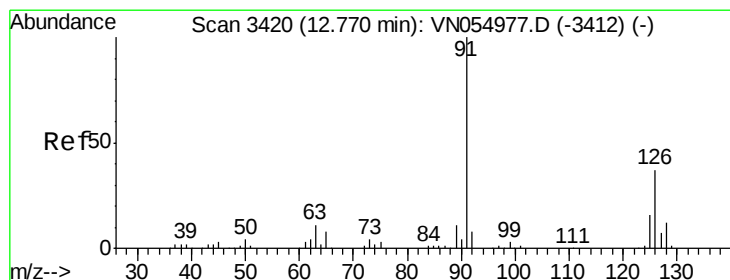
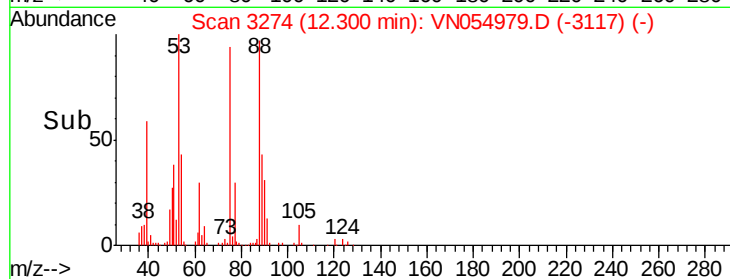
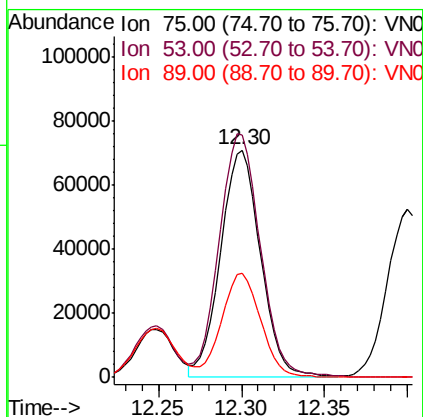
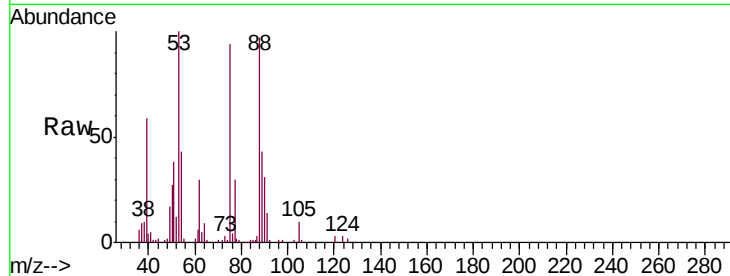




#77
t-1,4-Dichloro-2-butene
Concen: 102.663 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

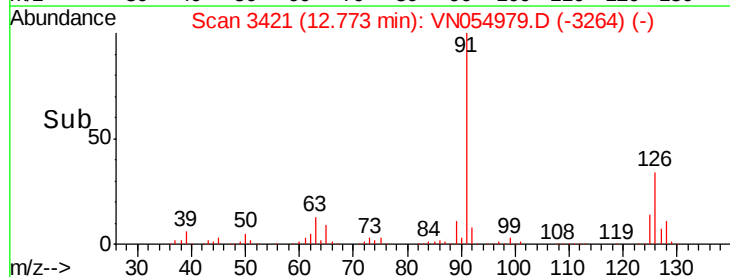
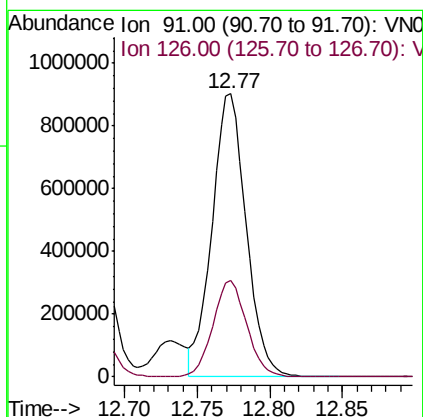
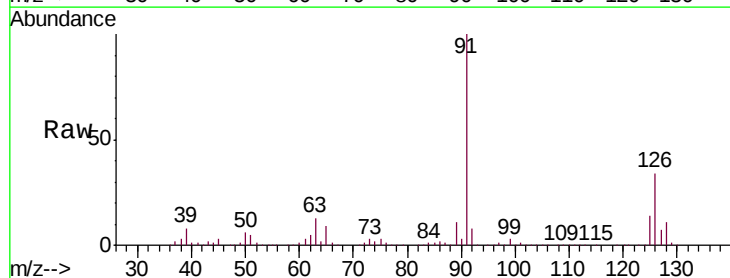
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

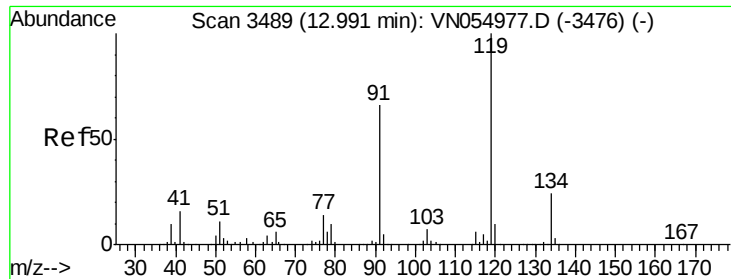
Tgt Ion: 75 Resp: 119046
Ion Ratio Lower Upper
75 100
53 106.7 64.3 192.7
89 46.3 21.6 65.0



#78
4-Chlorotoluene
Concen: 117.515 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion: 91 Resp: 1480150
Ion Ratio Lower Upper
91 100
126 33.7 0.0 66.6

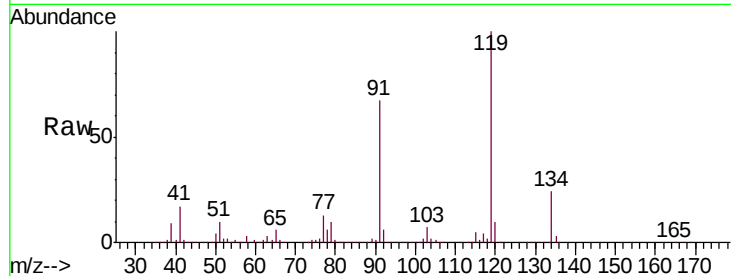




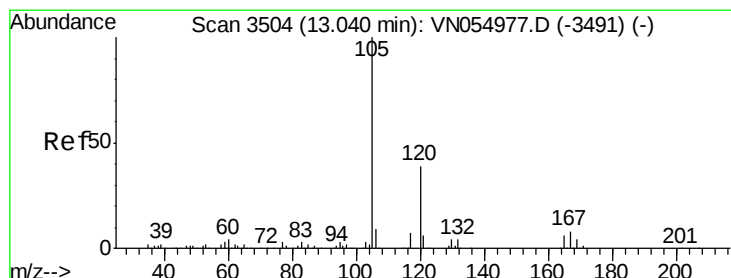
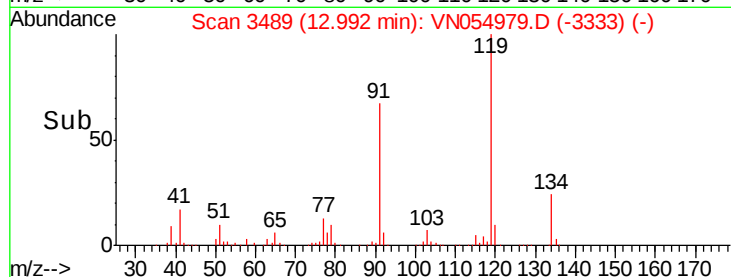
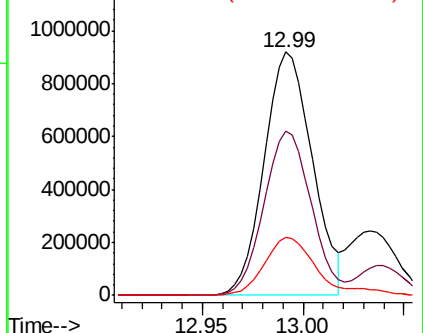
#79
tert-butylbenzene
Concen: 113.022 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 1525765
Ion Ratio Lower Upper
119 100
91 66.2 0.0 132.6
134 24.3 0.0 47.6

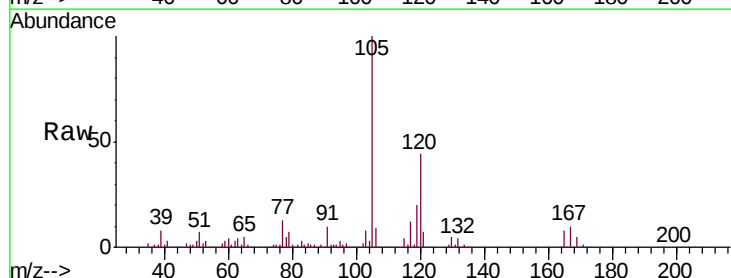


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

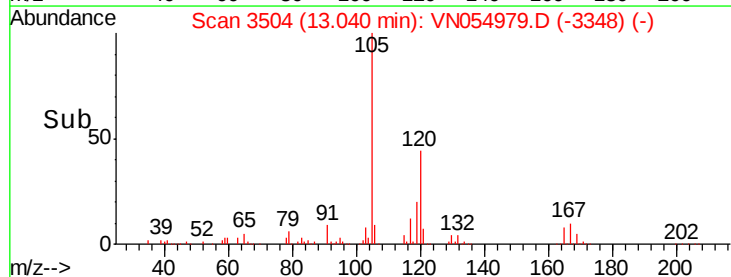
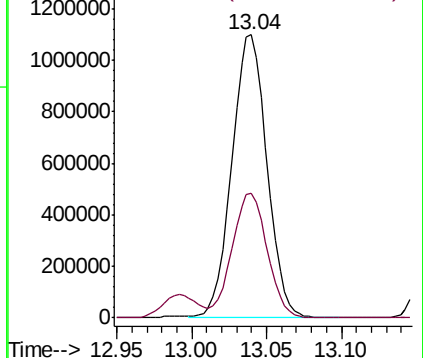


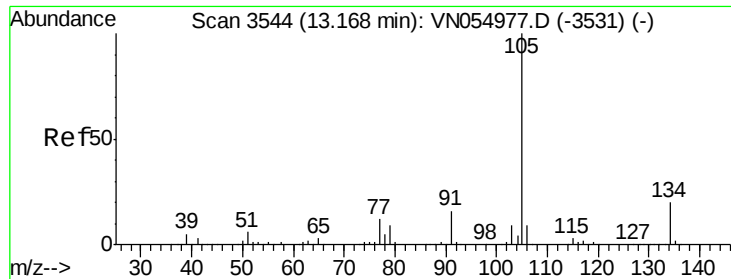
#80
1,2,4-Trimethylbenzene
Concen: 117.801 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion:105 Resp: 1790414
Ion Ratio Lower Upper
105 100
120 44.2 0.0 91.4



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

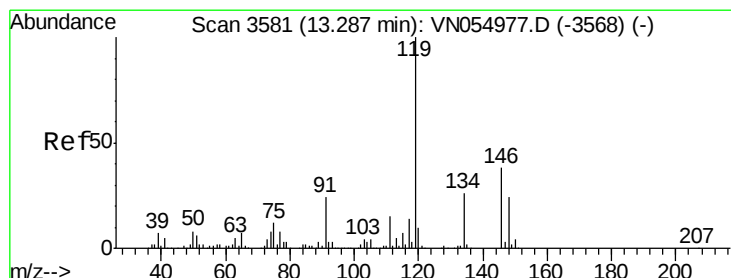
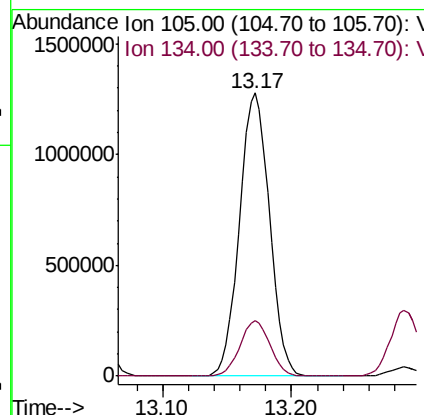
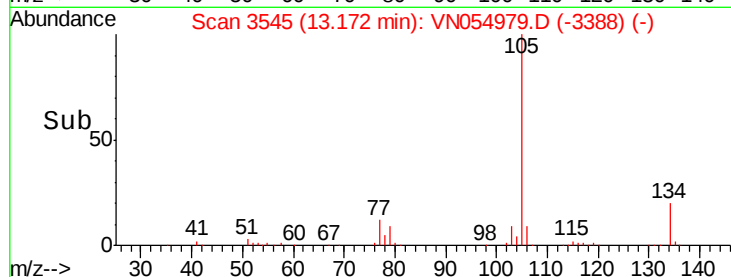
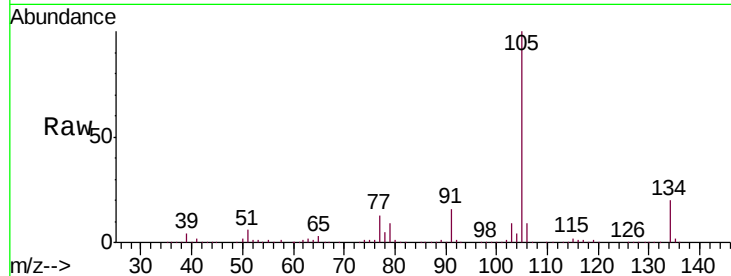




#81
 sec-Butylbenzene
 Concen: 111.871 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

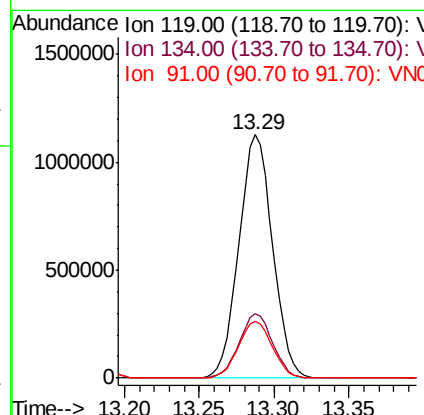
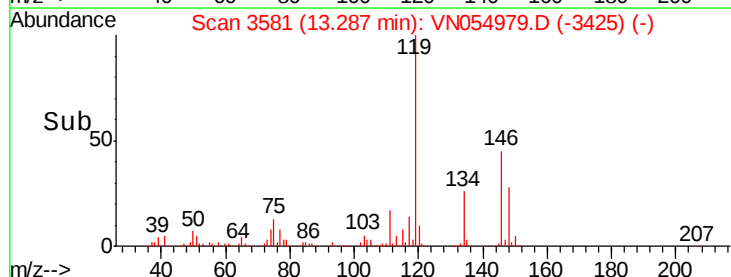
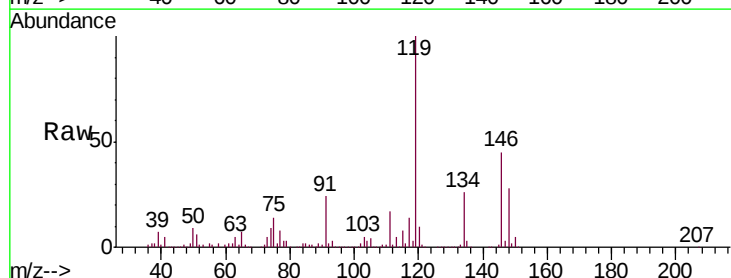
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

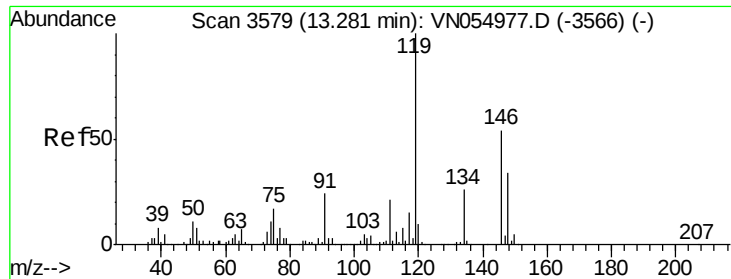
Tgt Ion:105 Resp: 2062559
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.0



#82
 p-Isopropyltoluene
 Concen: 112.655 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion:119 Resp: 1767282
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 53.2
 91 23.6 0.0 47.8

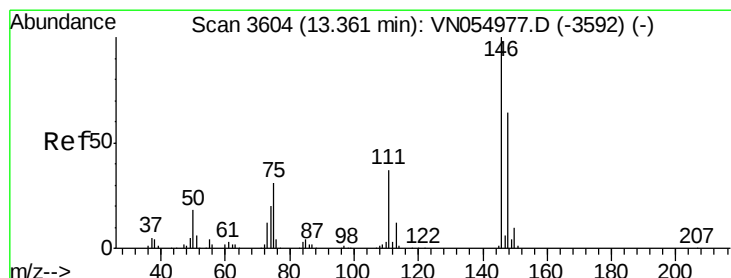
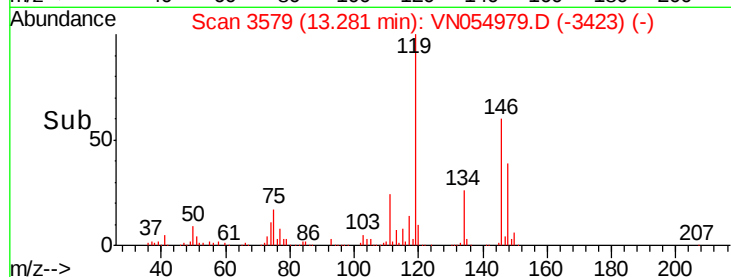
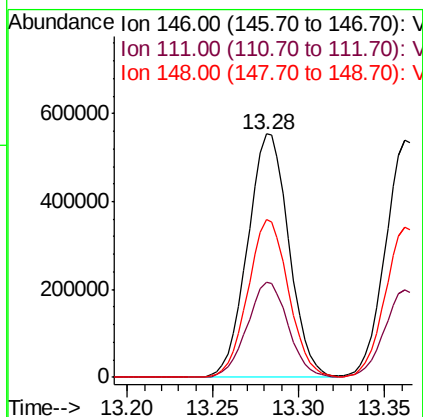
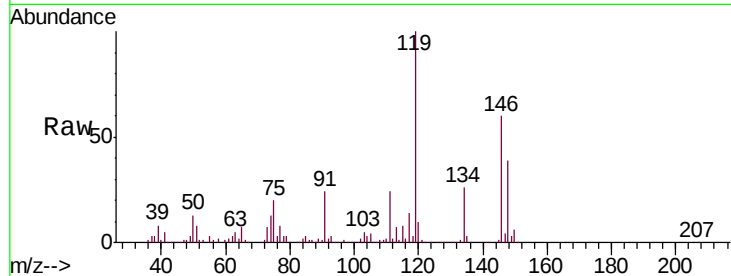




#83
 1,3-Dichlorobenzene
 Concen: 115.515 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

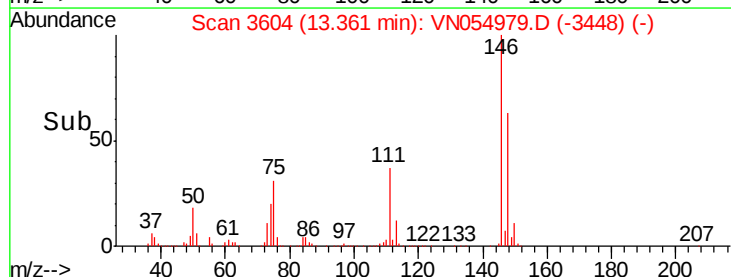
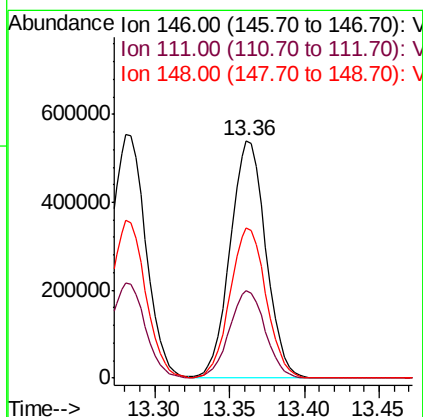
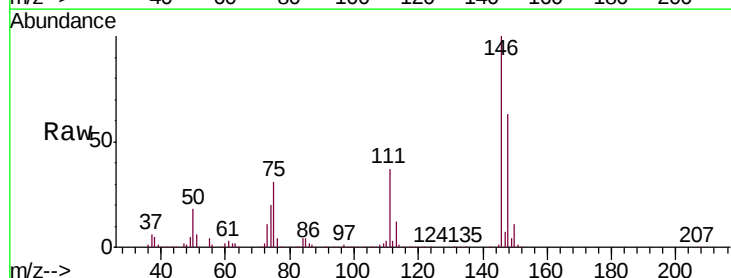
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

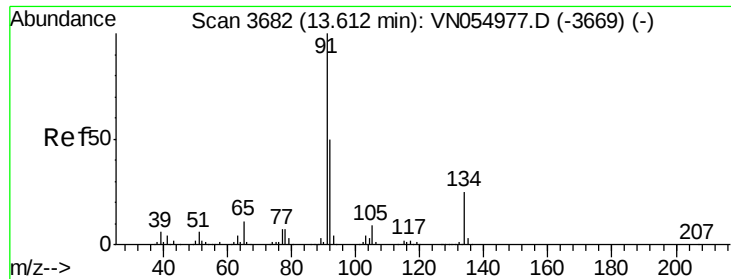
Tgt Ion:146 Resp: 922758
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.5
 148 63.9 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 117.759 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion:146 Resp: 896027
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 64.0 32.5 97.4





#85

n-Butylbenzene

Concen: 112.540 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054979.D

Acq: 11 Apr 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

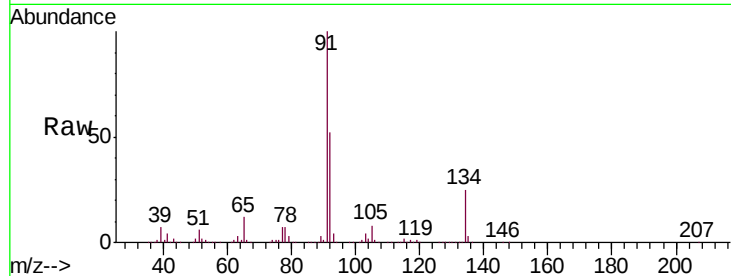
Tgt Ion: 91 Resp: 1511146

Ion Ratio Lower Upper

91 100

92 51.9 0.0 101.4

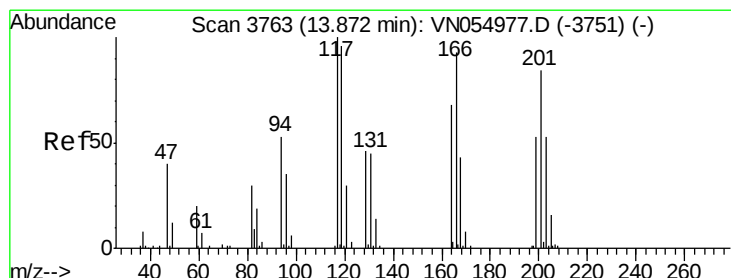
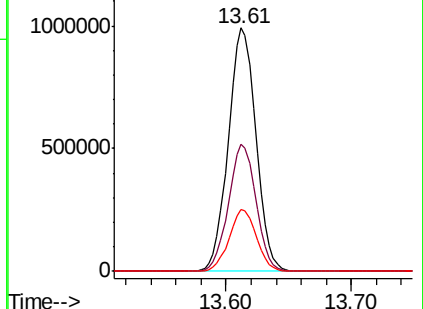
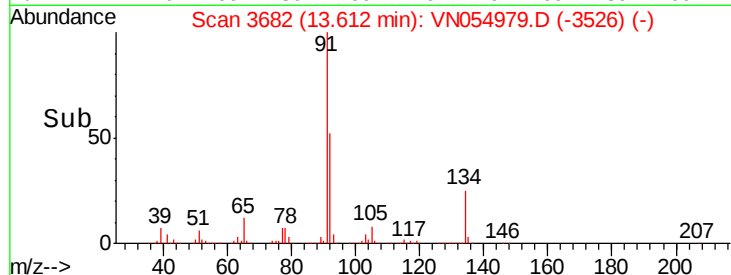
134 25.1 0.0 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN054979.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054979.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054979.D (-3669) (-)



#86

Hexachloroethane

Concen: 99.525 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054979.D

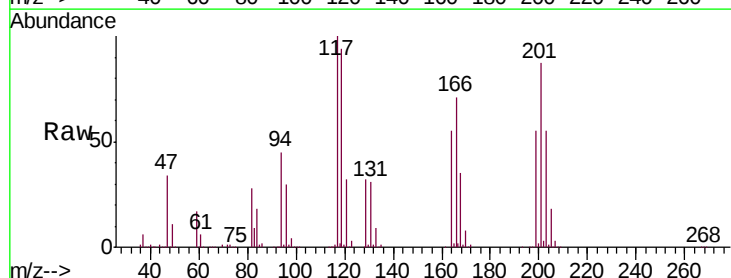
Acq: 11 Apr 2019 15:47

Tgt Ion: 117 Resp: 290533

Ion Ratio Lower Upper

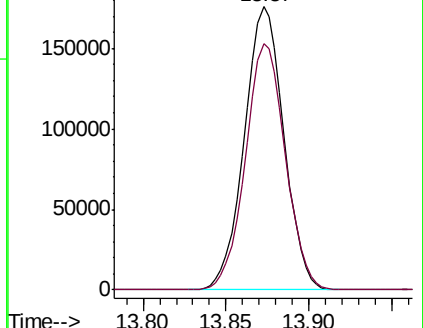
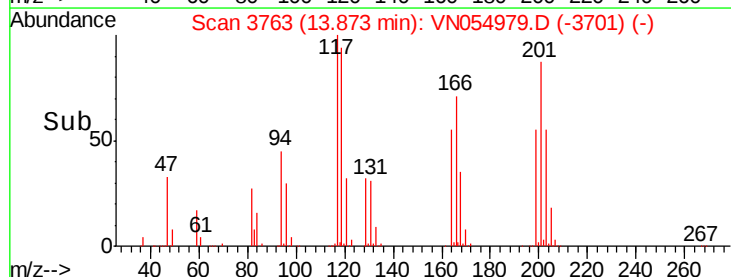
117 100

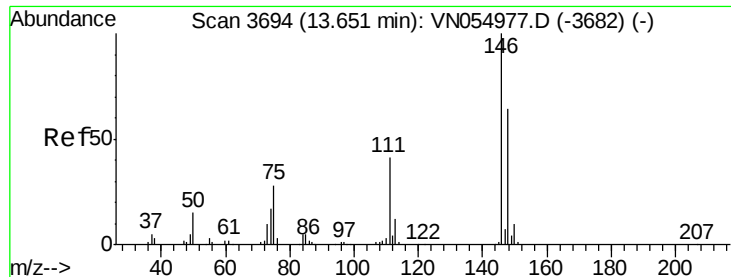
201 88.0 42.8 128.3



Abundance Ion 117.00 (116.70 to 117.70): VN054979.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054979.D (-3751) (-)

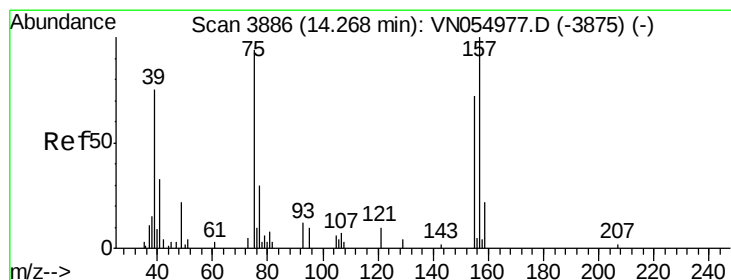
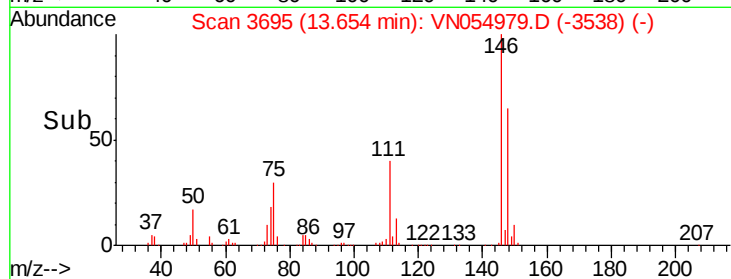
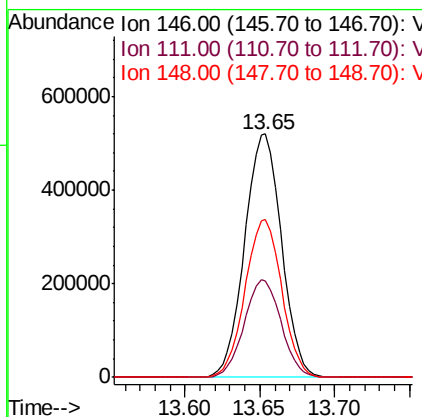
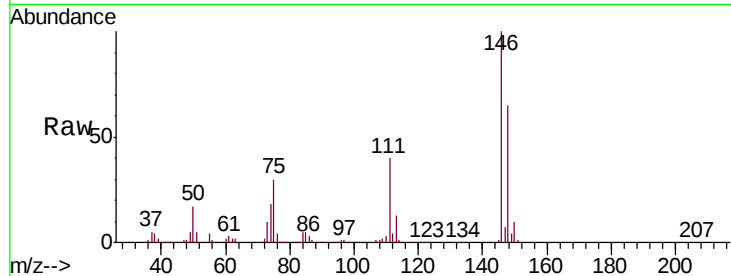




#87
 1,2-Dichlorobenzene
 Concen: 115.142 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

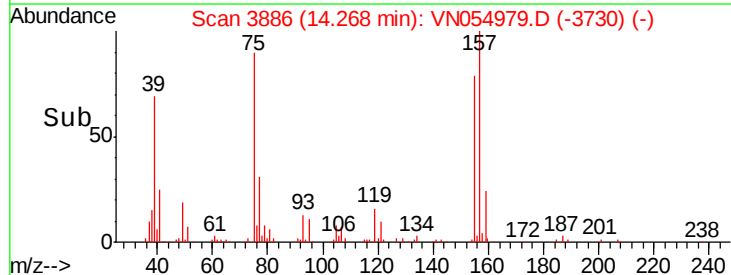
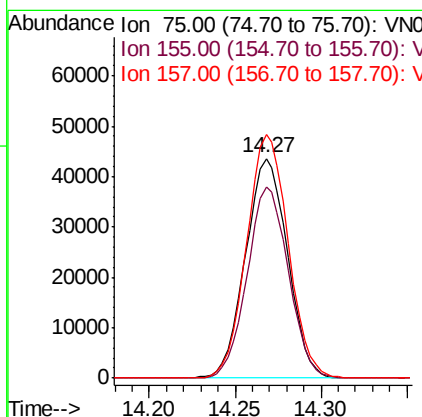
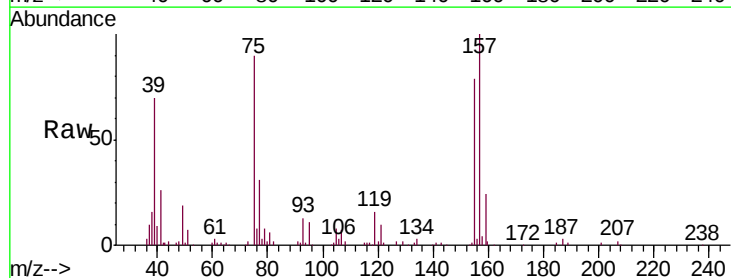
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

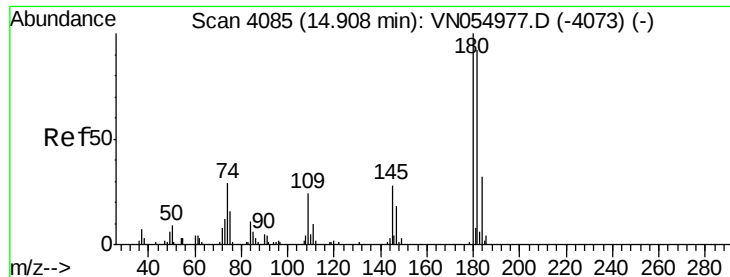
Tgt Ion: 146 Resp: 892701
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.3 60.8
 148 64.4 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 117.409 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion: 75 Resp: 74080
 Ion Ratio Lower Upper
 75 100
 155 85.0 61.8 92.8
 157 109.6 82.7 124.1

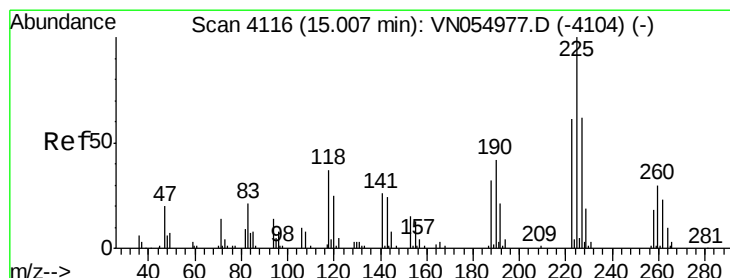
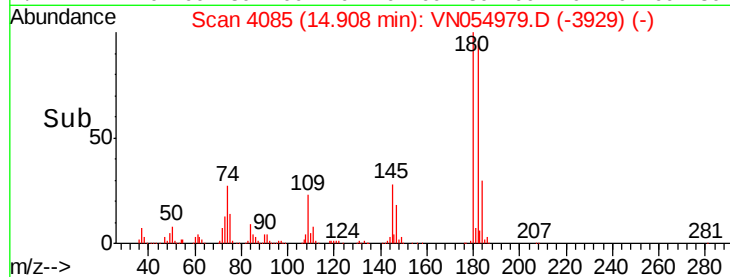
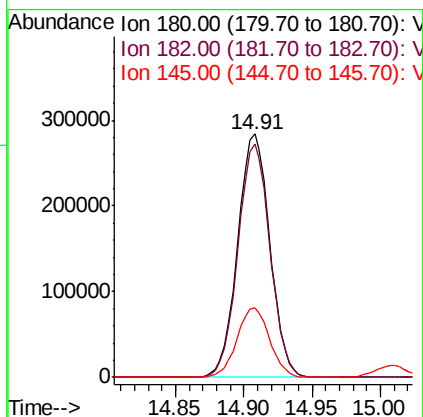
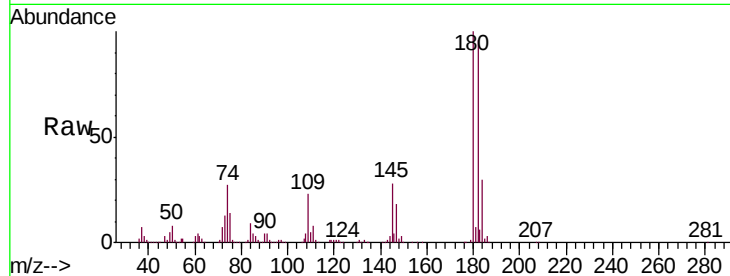




#89
 1,2,4-Trichlorobenzene
 Concen: 122.631 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

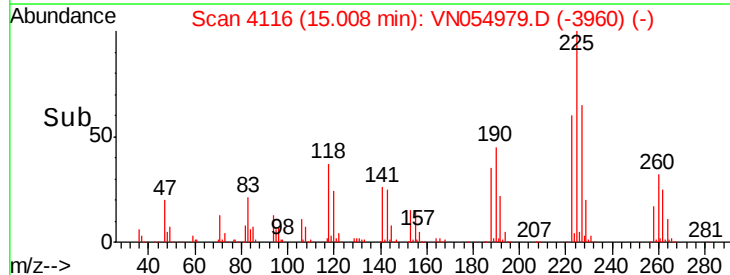
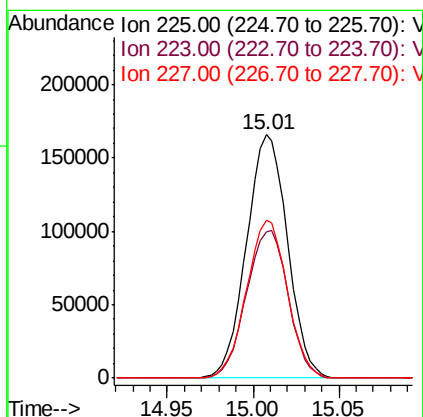
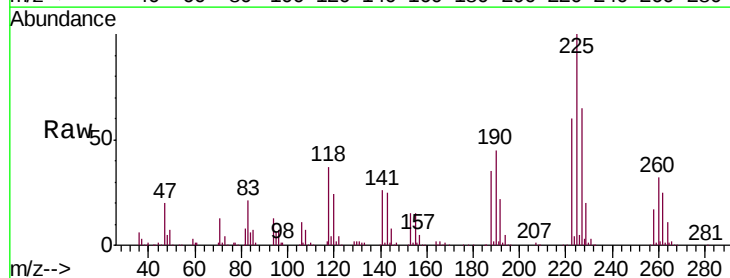
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

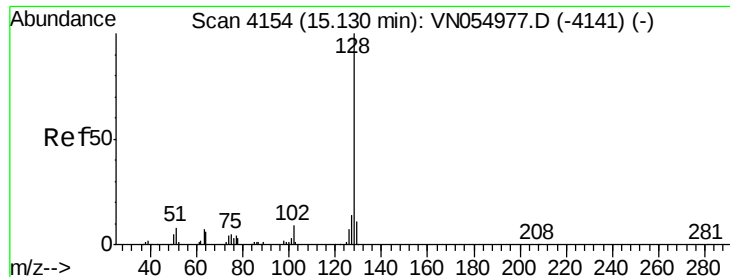
Tgt Ion:180 Resp: 465146
 Ion Ratio Lower Upper
 180 100
 182 95.4 73.2 109.8
 145 29.0 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 95.576 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054979.D
 Acq: 11 Apr 2019 15:47

Tgt Ion:225 Resp: 274110
 Ion Ratio Lower Upper
 225 100
 223 61.7 0.0 126.0
 227 64.4 0.0 125.4

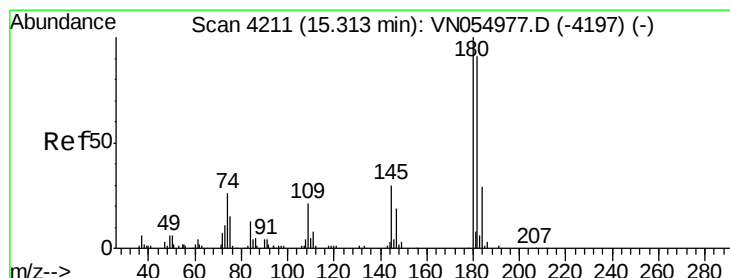
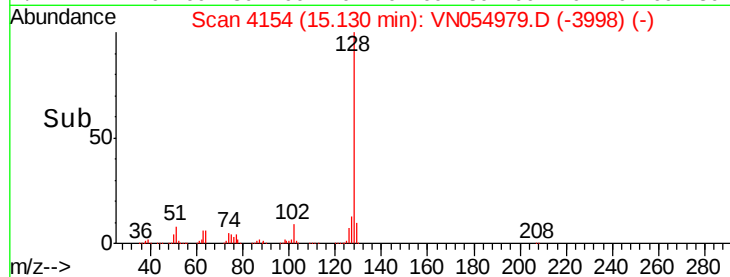
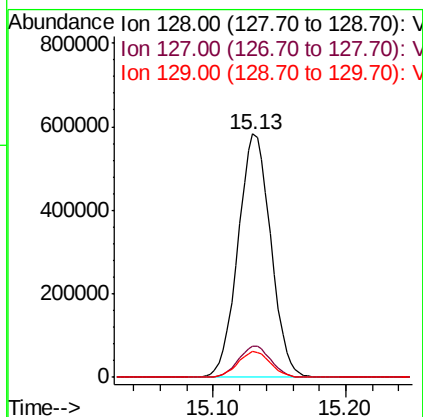
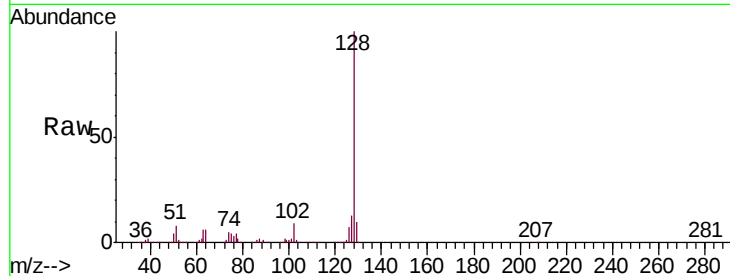




#91
Naphthalene
Concen: 132.834 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.6	9.0	13.6



#92
1,2,3-Trichlorobenzene
Concen: 118.080 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054979.D
Acq: 11 Apr 2019 15:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	188.2
145	30.2	0.0	61.2

