

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055993.D
 Acq On : 4 Jun 2019 16:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 05 01:15:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	348474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	221103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	170934	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	158485	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.09	98	612059	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	216121	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	188505	49.245	ug/l	99
3) Chloromethane	2.06	50	196346	51.978	ug/l	99
4) Vinyl Chloride	2.18	62	196497	51.858	ug/l	99
5) Bromomethane	2.53	94	126108	52.686	ug/l	98
6) Chloroethane	2.68	64	114686	52.203	ug/l	97
7) Trichlorofluoromethane	3.00	101	237466	49.091	ug/l	97
8) Diethyl Ether	3.40	74	99473	50.005	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	148491	50.534	ug/l	99
10) Methyl Iodide	3.94	142	240844	51.577	ug/l	98
11) Tert butyl alcohol	4.81	59	134772	223.827	ug/l	99
12) 1,1-Dichloroethene	3.72	96	151066	51.639	ug/l	94
13) Acrolein	3.60	56	44453	255.981	ug/l	97
14) Allyl chloride	4.31	41	232068	50.238	ug/l	98
15) Acrylonitrile	4.99	53	387038	264.056	ug/l	99
16) Acetone	3.82	43	362322	218.947	ug/l	99
17) Carbon Disulfide	4.04	76	350938	50.102	ug/l	99
18) Methyl Acetate	4.33	43	164445	50.596	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	479547	51.427	ug/l	100
20) Methylene Chloride	4.54	84	169494	49.714	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	159617	50.924	ug/l	96
22) Diisopropyl ether	5.95	45	479425	50.207	ug/l	98
23) Vinyl Acetate	5.89	43	1979904	263.294	ug/l	99
24) 1,1-Dichloroethane	5.84	63	276830	50.258	ug/l	99
25) 2-Butanone	6.84	43	527443	252.265	ug/l	99
26) 2,2-Dichloropropane	6.82	77	209546	48.753	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	186841	50.711	ug/l	96
28) Bromochloromethane	7.19	49	133087	51.093	ug/l	97
29) Tetrahydrofuran	7.21	42	332216	257.048	ug/l	98
30) Chloroform	7.37	83	275772	49.769	ug/l	100
31) Cyclohexane	7.65	56	262079	47.734	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	233114	50.380	ug/l	99
36) 1,1-Dichloropropene	7.79	75	213811	48.194	ug/l	99
37) Ethyl Acetate	6.93	43	203609	51.580	ug/l	99
38) Carbon Tetrachloride	7.77	117	196447	48.029	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	269397	48.746	ug/l	99
40) Benzene	8.04	78	667577	49.543	ug/l	100
41) Methacrylonitrile	7.17	41	99266	54.656	ug/l	98
42) 1,2-Dichloroethane	8.12	62	203732	47.004	ug/l	98
43) Isopropyl Acetate	8.17	43	327526	51.203	ug/l	99
44) Trichloroethene	8.83	130	188781	48.757	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170544	49.413	ug/l	100
46) Dibromomethane	9.21	93	113360	50.226	ug/l	100
47) Bromodichloromethane	9.40	83	203577	49.767	ug/l	98
48) Methyl methacrylate	9.20	41	155714	49.758	ug/l	95
49) 1,4-Dioxane	9.20	88	63469	939.440	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1014792	253.689	ug/l	98
52) Toluene	10.15	92	420594	50.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	223892	46.843	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	257709	52.413	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	167589	50.458	ug/l	98
56) Ethyl methacrylate	10.43	69	258525	53.354	ug/l	97
57) 1,3-Dichloropropane	10.71	76	273275	50.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	470104	245.015	ug/l	99
59) 2-Hexanone	10.75	43	734619	253.386	ug/l	98
60) Dibromochloromethane	10.90	129	167703	45.988	ug/l	100
61) 1,2-Dibromoethane	11.00	107	175217	51.604	ug/l	98
64) Tetrachloroethene	10.63	164	188939	46.752	ug/l	97
65) Chlorobenzene	11.43	112	455391	49.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162281	50.581	ug/l	100
67) Ethyl Benzene	11.51	91	802152	49.648	ug/l	99
68) m/p-Xylenes	11.62	106	616565	99.896	ug/l	98
69) o-Xylene	11.95	106	300356	49.472	ug/l	99
70) Styrene	11.96	104	506099	52.465	ug/l	99
71) Bromoform	12.13	173	122348	45.673	ug/l #	99
73) Isopropylbenzene	12.25	105	795116	50.474	ug/l	99
74) N-amyl acetate	12.07	43	286761	48.654	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	231932	45.187	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	276152	67.877	ug/l #	100
77) Bromobenzene	12.53	156	263348	55.632	ug/l	76
78) n-propylbenzene	12.59	91	869399	46.479	ug/l	99
79) 2-Chlorotoluene	12.67	91	516266	49.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	668890	44.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61199	50.095	ug/l	96
82) 4-Chlorotoluene	12.77	91	511969	46.784	ug/l	99
83) tert-Butylbenzene	12.99	119	578043	50.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	656506	46.569	ug/l	99
85) sec-Butylbenzene	13.17	105	754376	45.540	ug/l	100
86) p-Isopropyltoluene	13.29	119	700317	47.238	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	354773	48.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	343071	48.678	ug/l	99
89) n-Butylbenzene	13.61	91	571106	52.002	ug/l	99
90) Hexachloroethane	13.87	117	101920	45.586	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	350283	47.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37651	51.286	ug/l	93

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

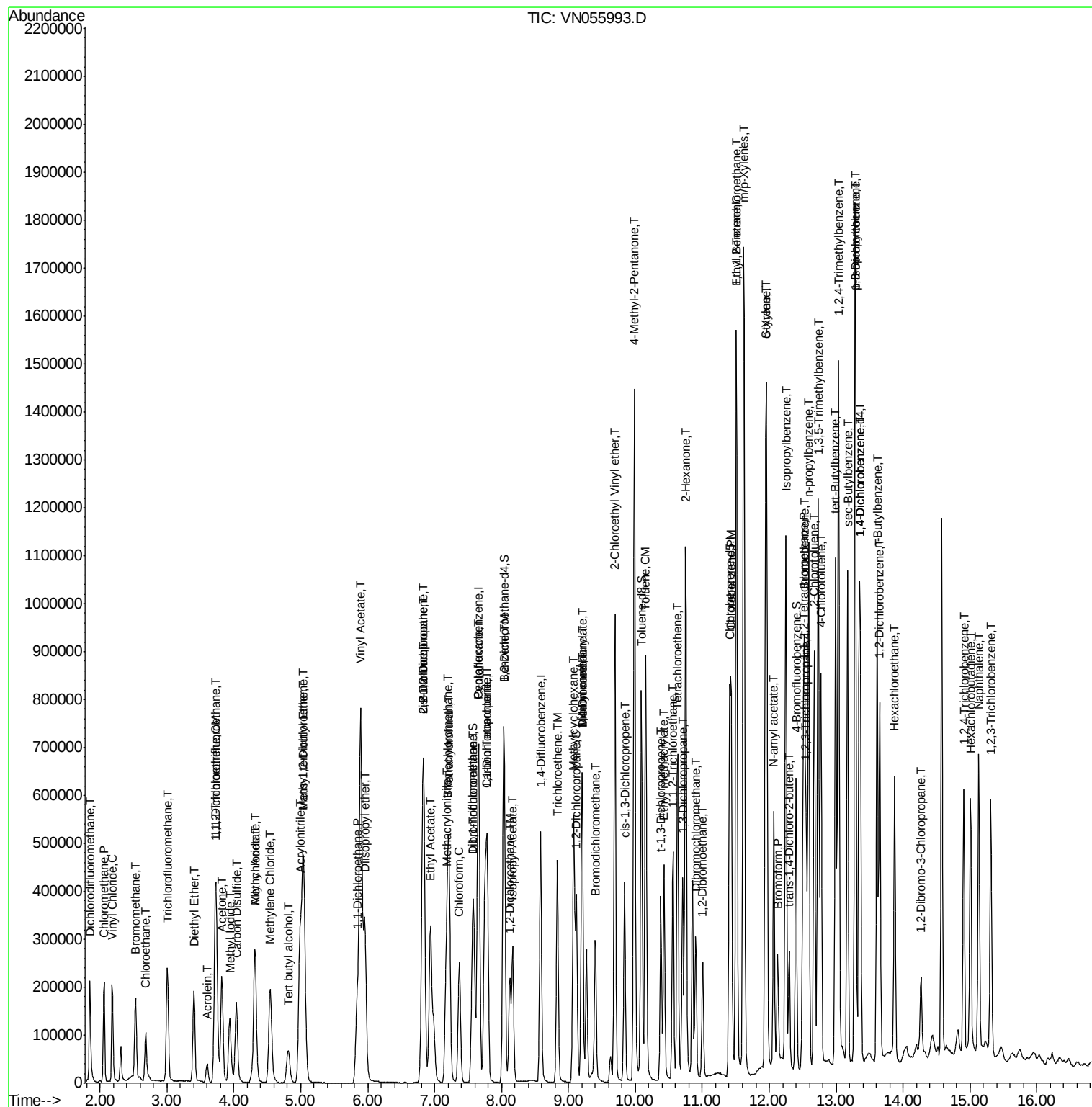
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	201654	49.517	ug/l	98
94) Hexachlorobutadiene	15.01	225	123600	48.663	ug/l	99
95) Naphthalene	15.13	128	552350	52.058	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206381	49.700	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

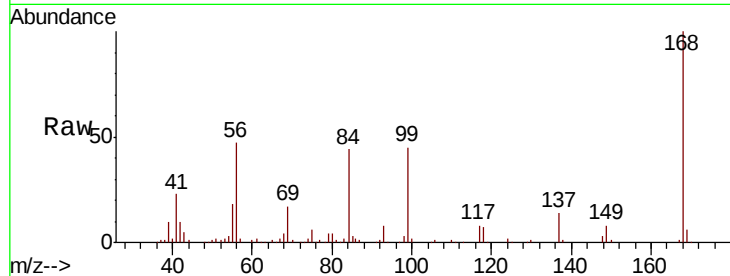
VSTDCCC050EC

Tot Ion:168 Resp: 348474

Ion Ratio Lower Upper

168 100

99 44.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

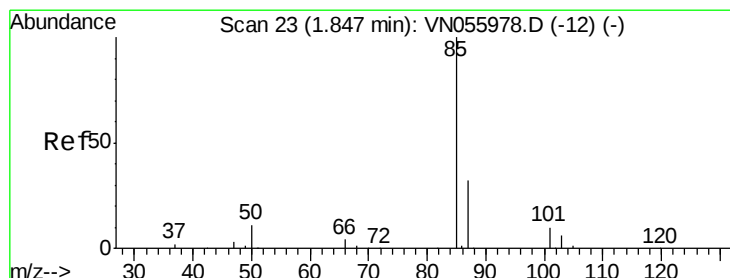
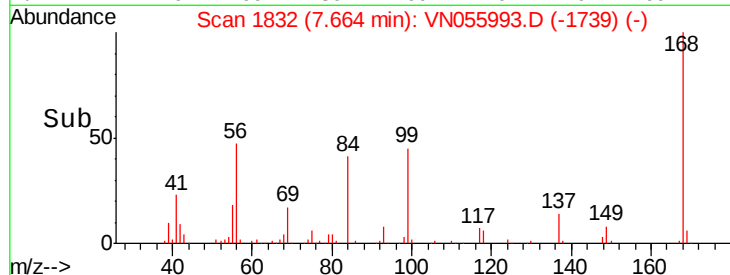
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 49.245 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055993.D

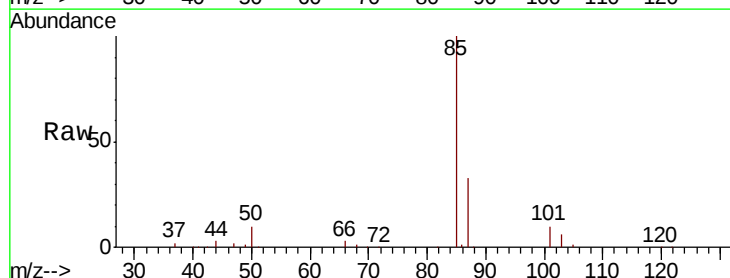
Acq: 4 Jun 2019 16:05

Tgt Ion: 85 Resp: 188505

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

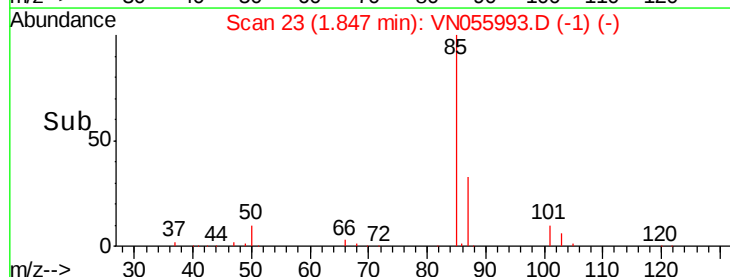
100000

50000

0

Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 51.978 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

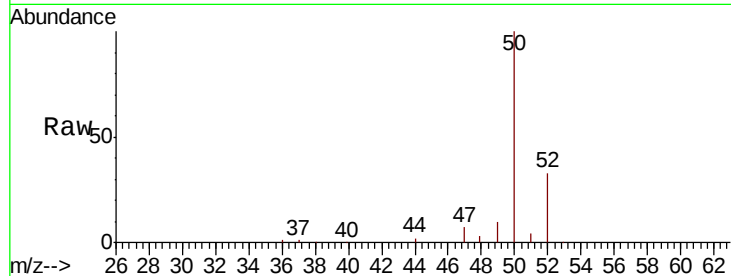
VSTDCCC050EC

Tot Ion: 50 Resp: 196346

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

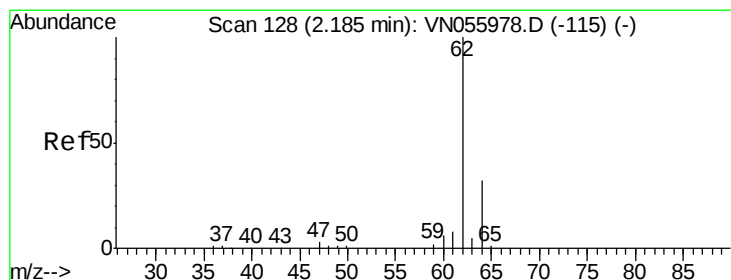
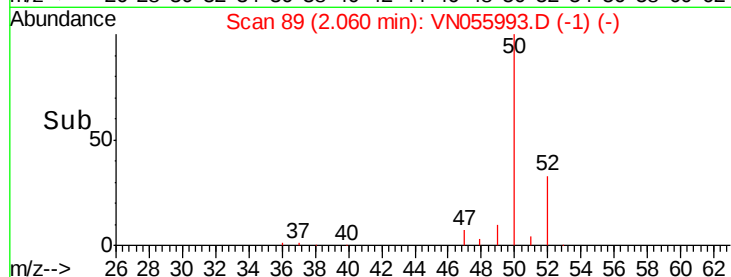
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.858 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055993.D

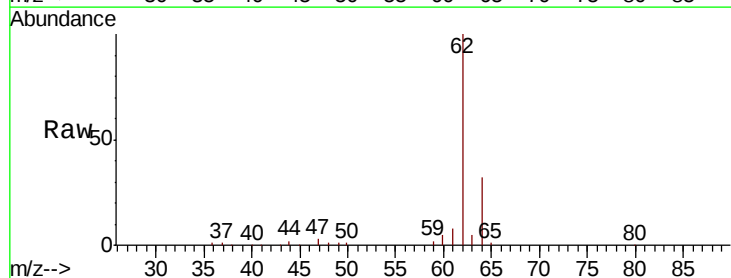
Acq: 4 Jun 2019 16:05

Tgt Ion: 62 Resp: 196497

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

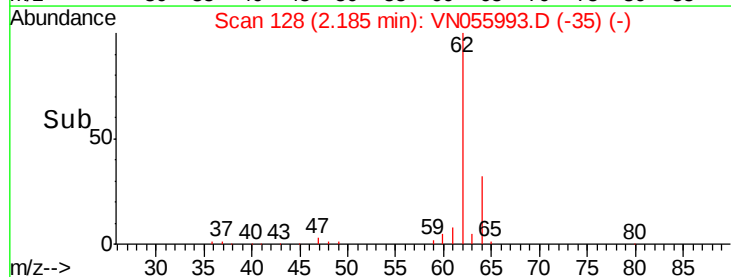
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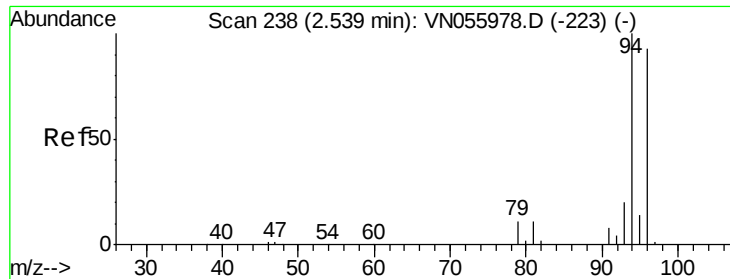
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.686 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

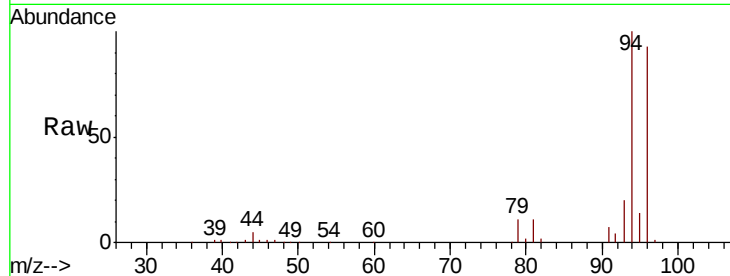
VSTDCCC050EC

Tot Ion: 94 Resp: 126108

Ion Ratio Lower Upper

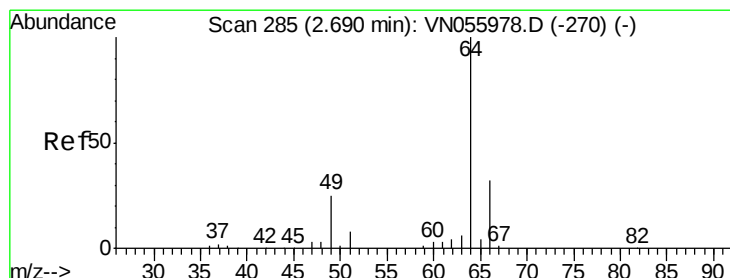
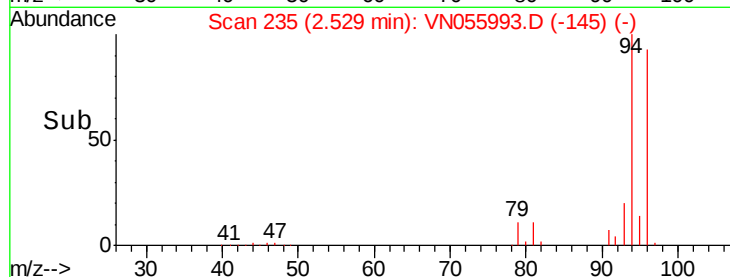
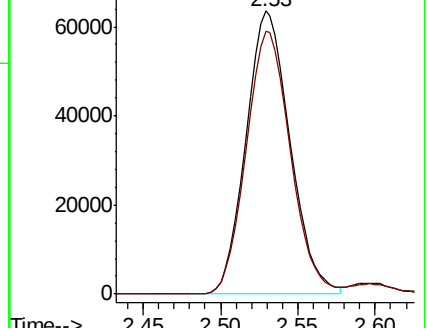
94 100

96 92.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)



#6

Chloroethane

Concen: 52.203 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN055993.D

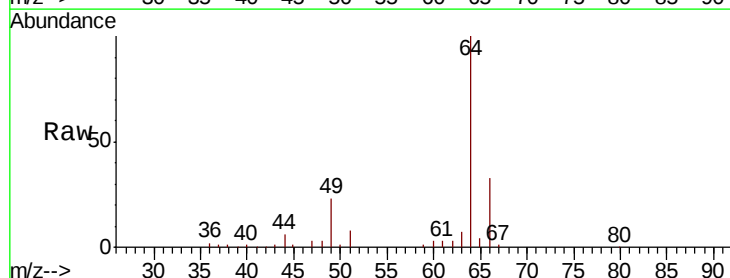
Acq: 4 Jun 2019 16:05

Tgt Ion: 64 Resp: 114686

Ion Ratio Lower Upper

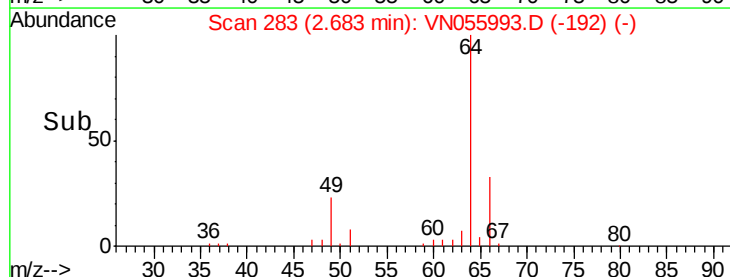
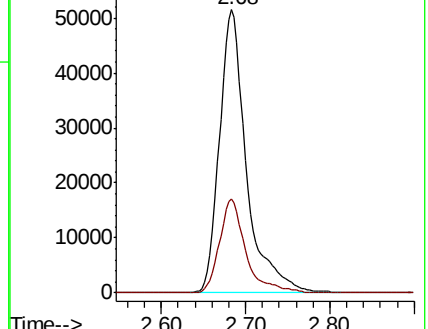
64 100

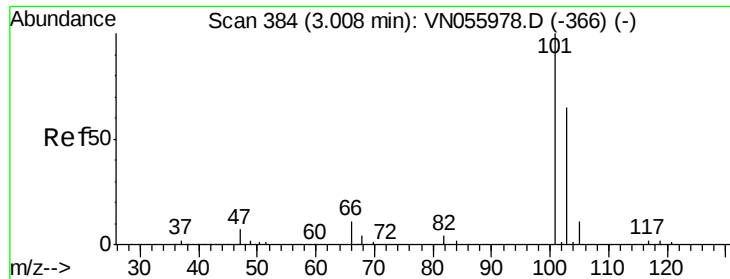
66 33.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)



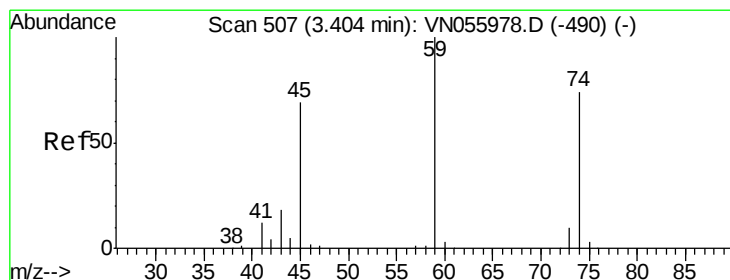
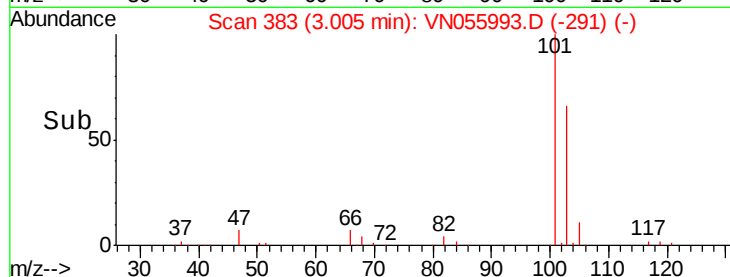
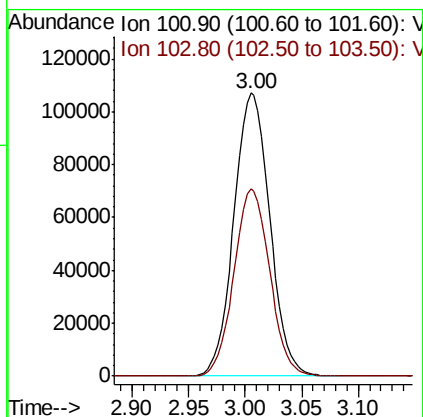
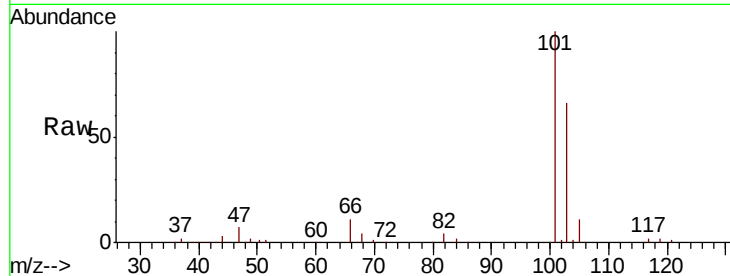


#7

Trichlorofluoromethane
Concen: 49.091 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

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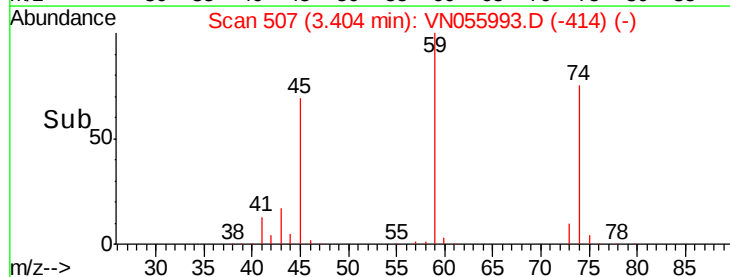
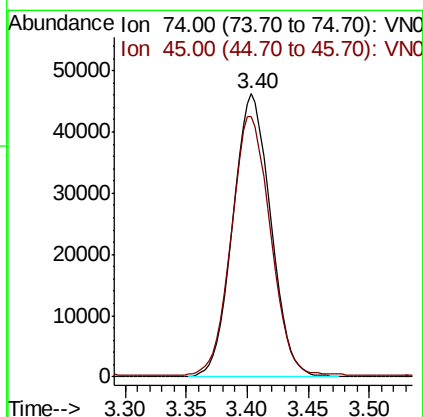
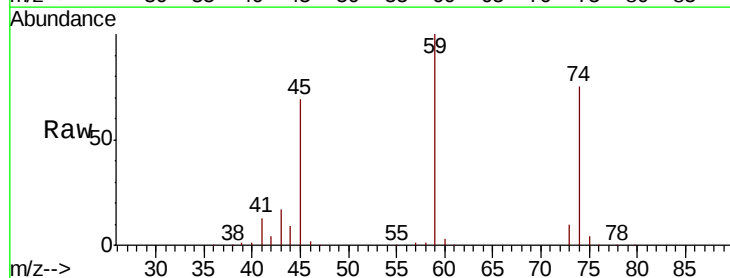
Tot Ion:101 Resp: 237466
Ion Ratio Lower Upper
101 100
103 66.3 51.2 76.8



#8

Diethyl Ether
Concen: 50.005 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 74 Resp: 99473
Ion Ratio Lower Upper
74 100
45 94.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.534 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

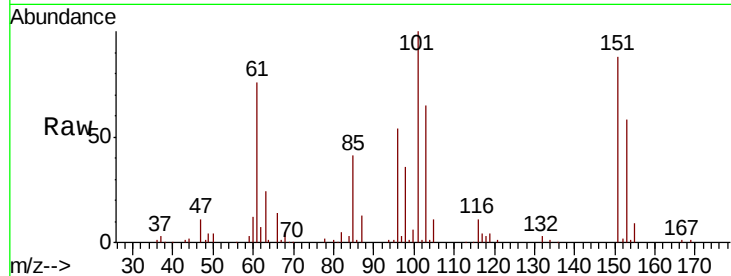
Tot Ion:101 Resp: 148491

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.2

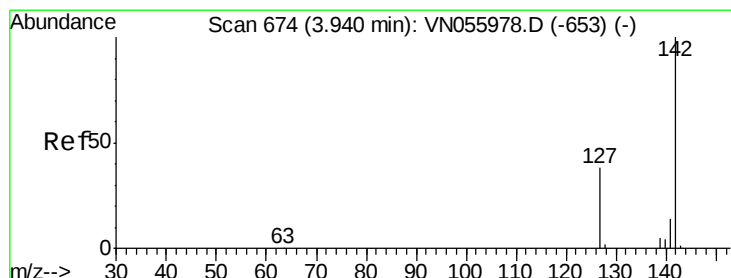
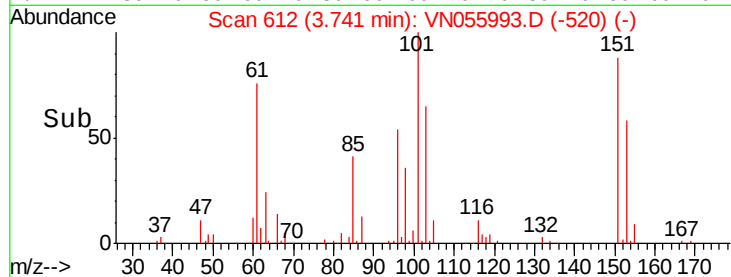
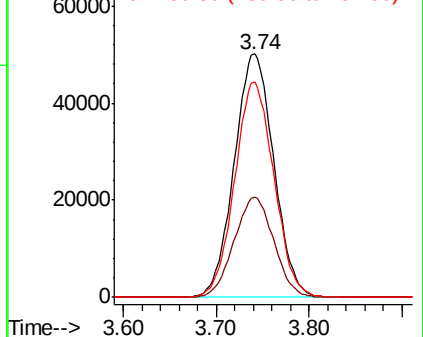
151 87.8 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.577 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

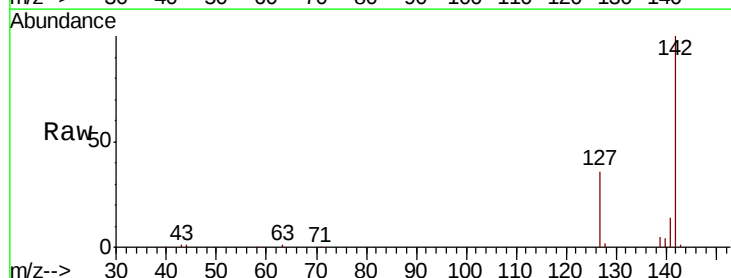
Tgt Ion:142 Resp: 240844

Ion Ratio Lower Upper

142 100

127 36.9 31.0 46.4

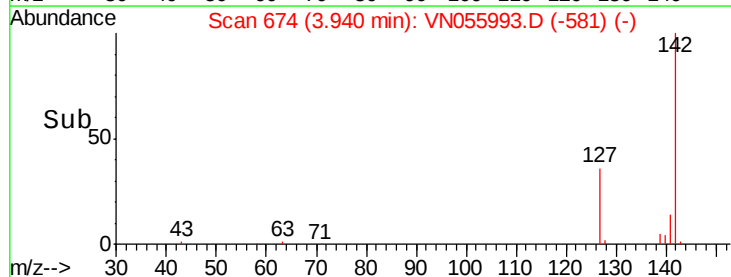
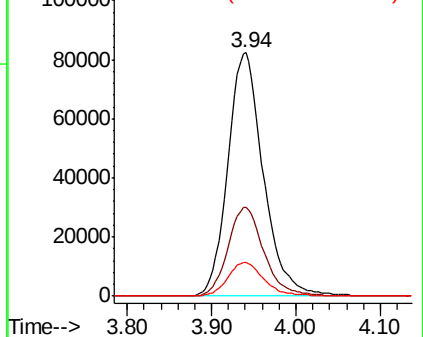
141 14.0 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



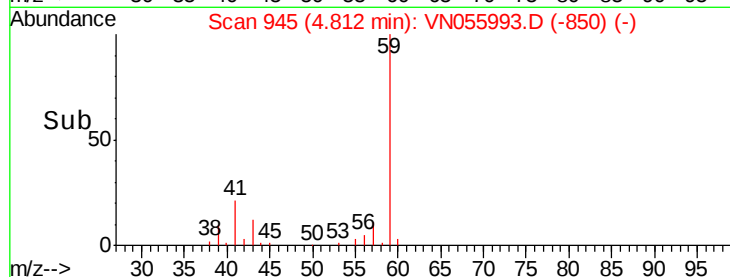
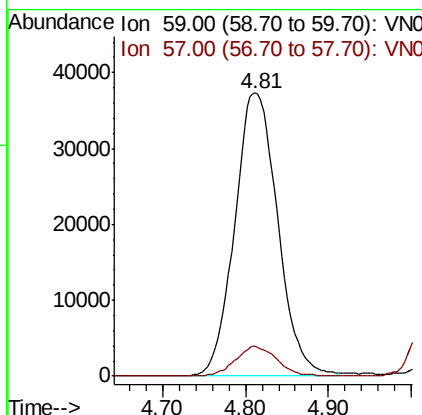
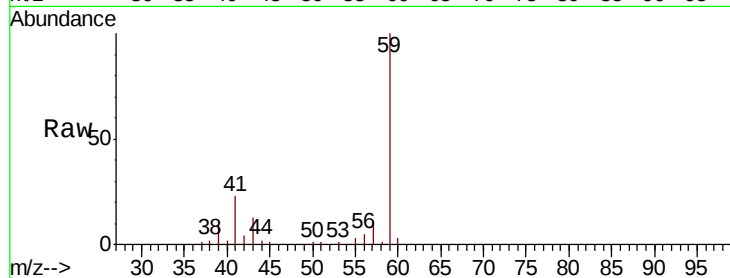


#11

Tert butyl alcohol
 Concen: 223.827 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

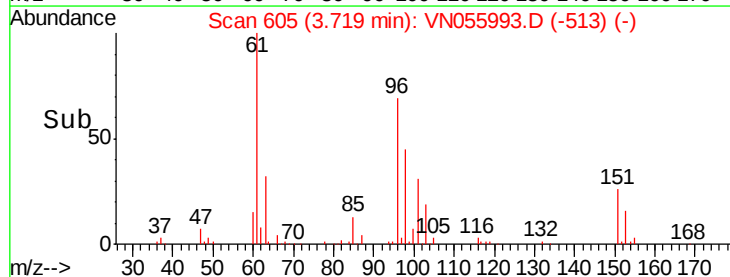
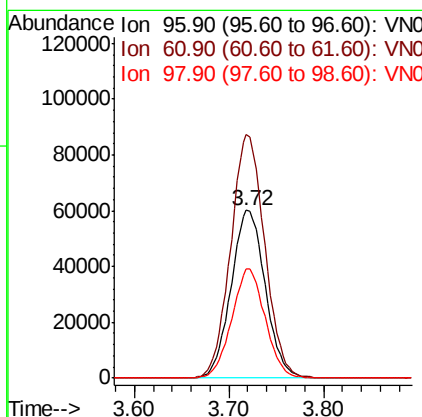
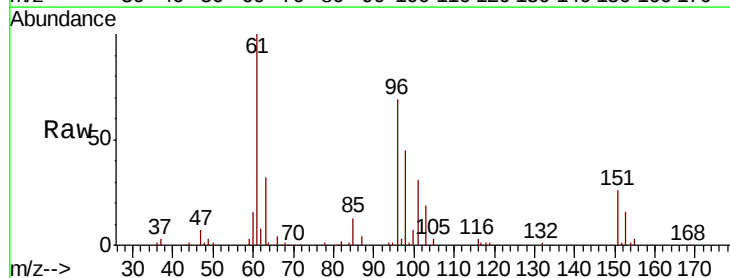
Tot Ion: 59 Resp: 134772
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.6

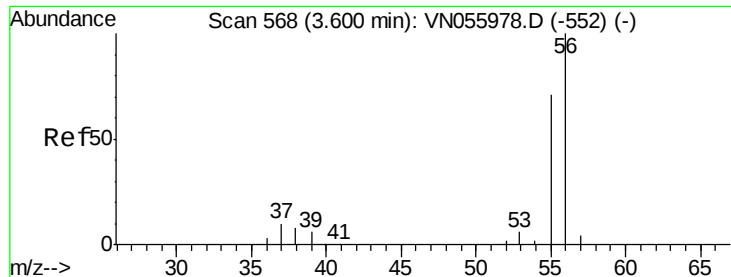


#12

1,1-Dichloroethene
 Concen: 51.639 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion: 96 Resp: 151066
 Ion Ratio Lower Upper
 96 100
 61 145.2 123.2 184.8
 98 64.8 50.4 75.6





#13

Acrolein

Concen: 255.981 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

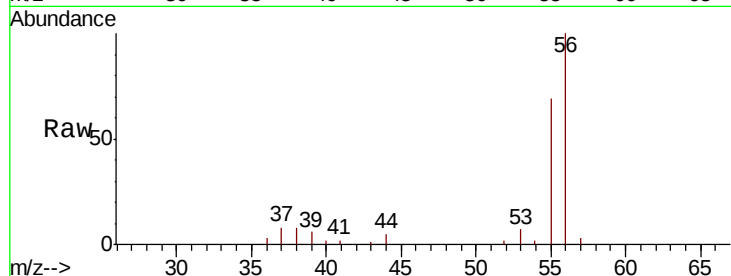
VSTDCCC050EC

Tot Ion: 56 Resp: 44453

Ion Ratio Lower Upper

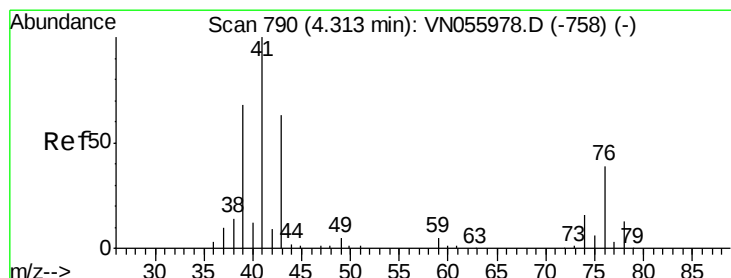
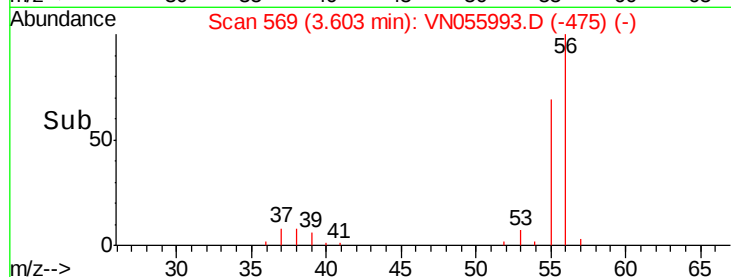
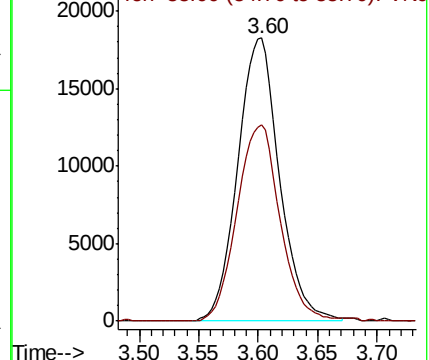
56 100

55 71.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.238 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

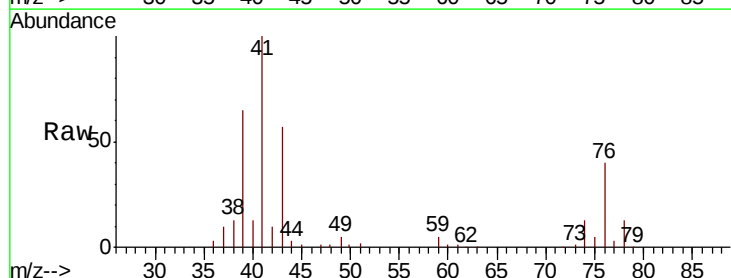
Tgt Ion: 41 Resp: 232068

Ion Ratio Lower Upper

41 100

39 60.9 50.0 75.0

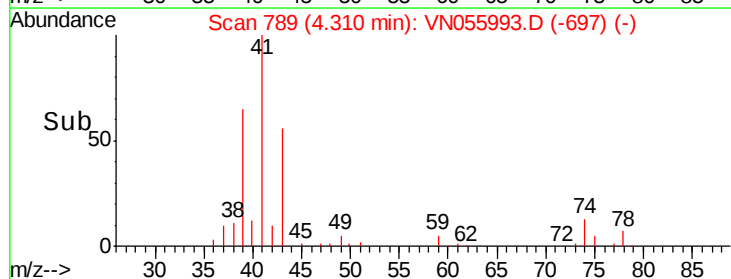
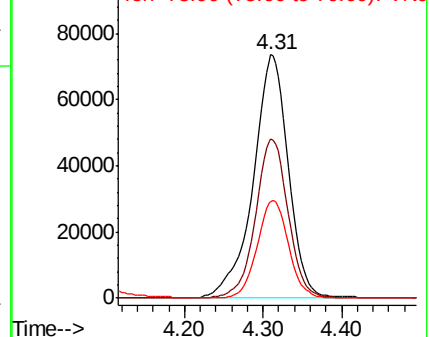
76 35.9 28.2 42.2

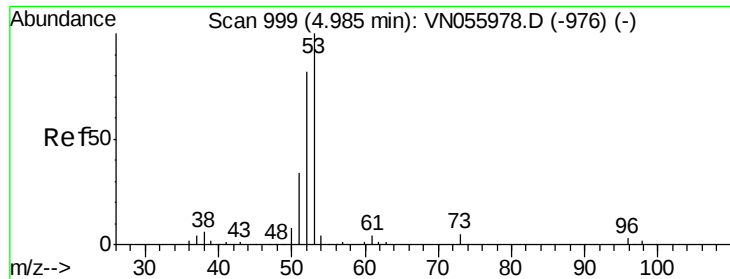


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.056 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

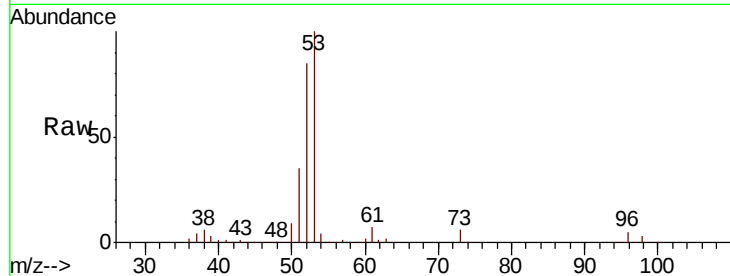
Tot Ion: 53 Resp: 387038

Ion Ratio Lower Upper

53 100

52 83.2 65.8 98.8

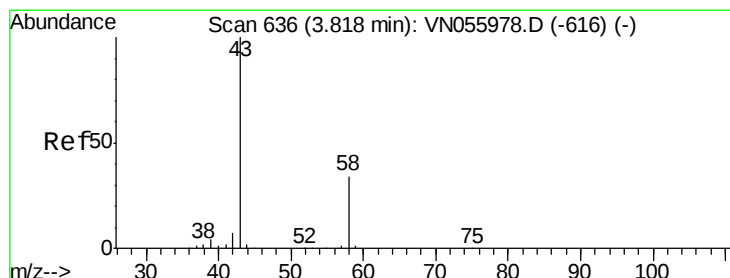
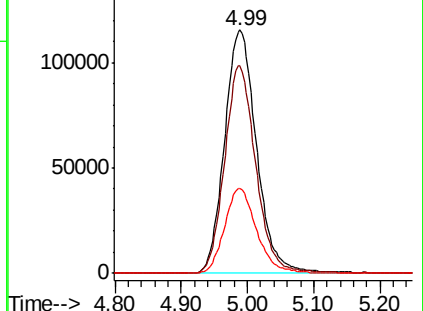
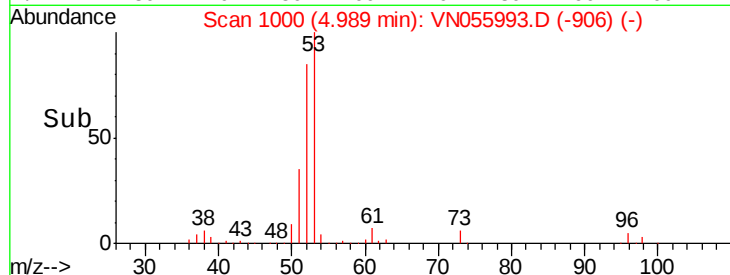
51 35.0 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055993.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN055993.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN055993.D (-906) (-)



#16

Acetone

Concen: 218.947 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055993.D

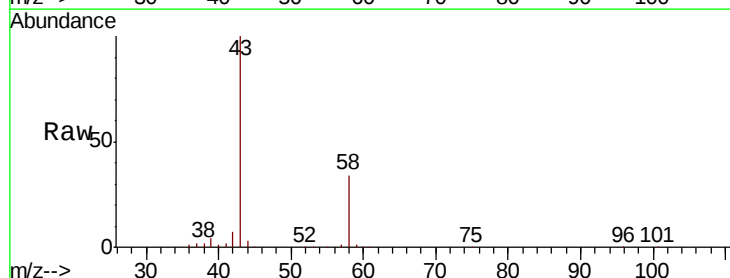
Acq: 4 Jun 2019 16:05

Tgt Ion: 43 Resp: 362322

Ion Ratio Lower Upper

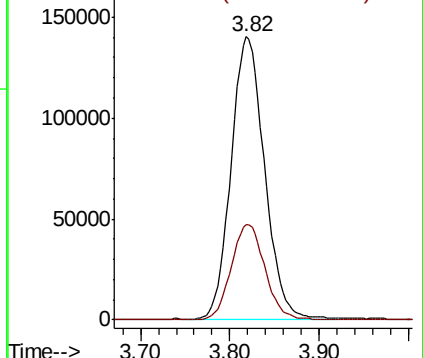
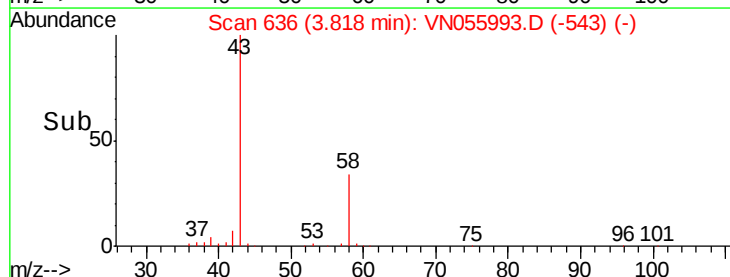
43 100

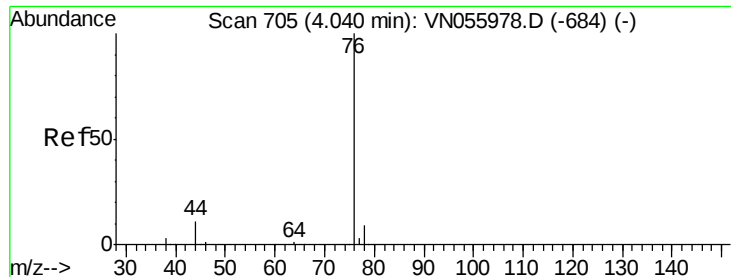
58 33.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055993.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055993.D (-543) (-)

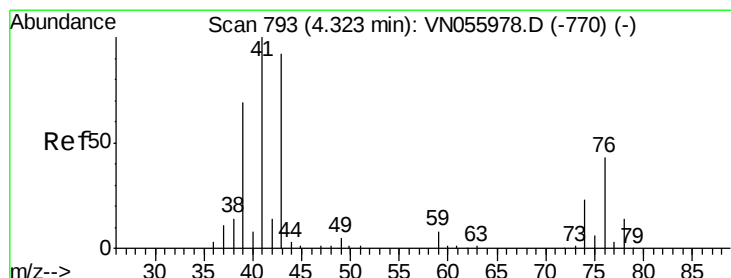
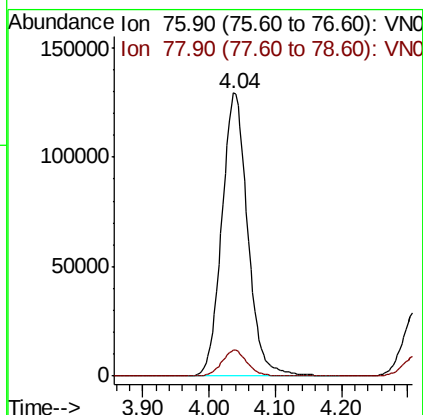
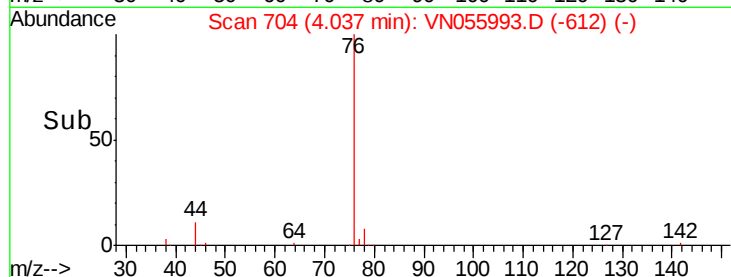
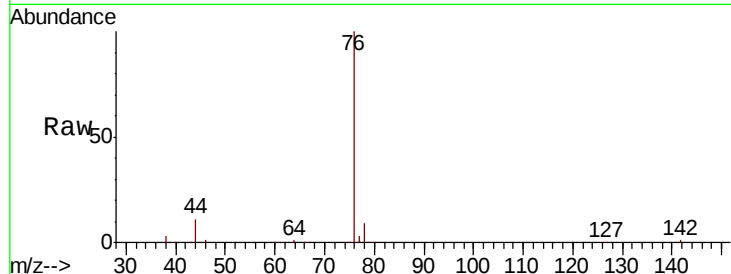




#17
Carbon Disulfide
Concen: 50.102 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

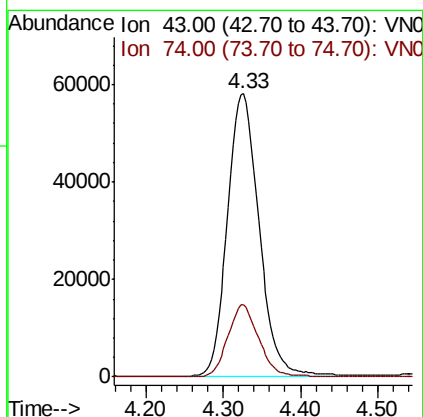
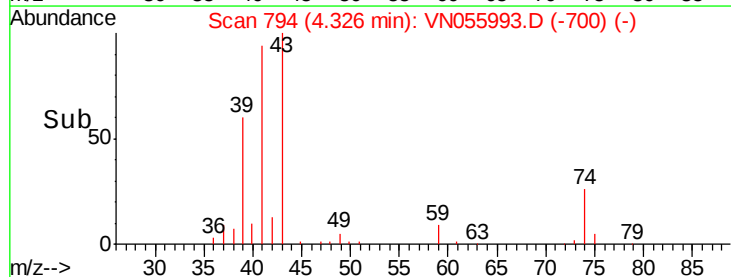
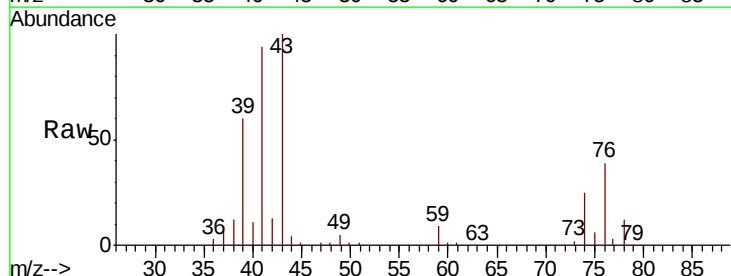
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 350938
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 50.596 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 43 Resp: 164445
Ion Ratio Lower Upper
43 100
74 24.7 19.3 28.9

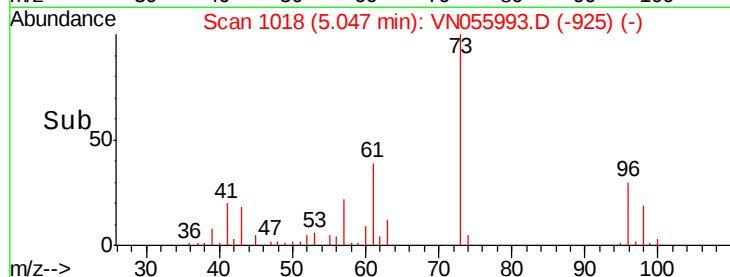
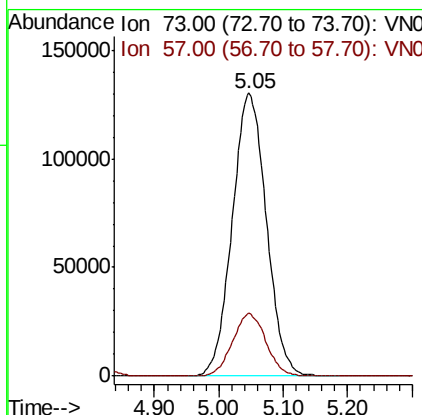
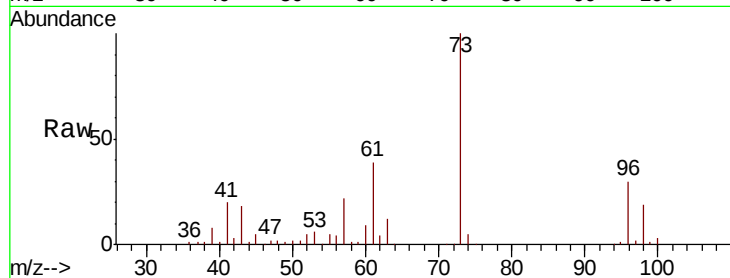




#19
Methyl tert-butyl Ether
Concen: 51.427 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

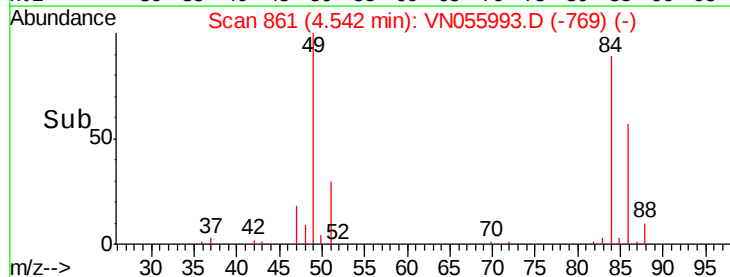
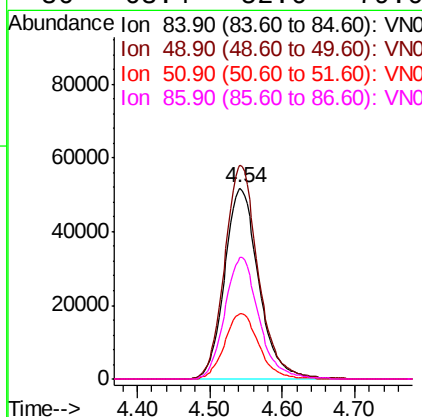
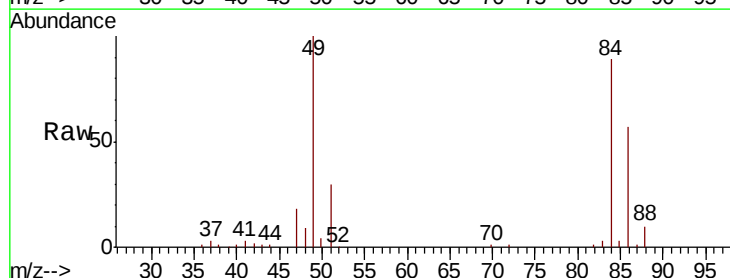
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

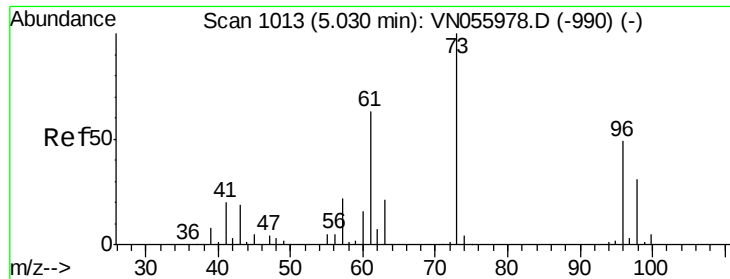
Tot Ion: 73 Resp: 479547
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8



#20
Methylene Chloride
Concen: 49.714 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 84 Resp: 169494
Ion Ratio Lower Upper
84 100
49 111.9 93.5 140.3
51 34.1 28.6 43.0
86 63.4 52.6 79.0

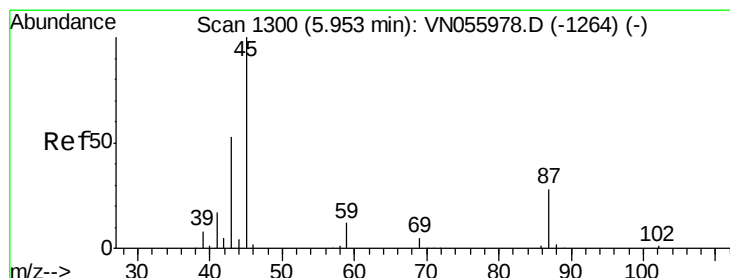
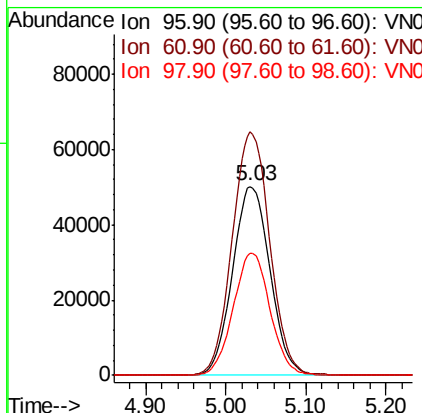
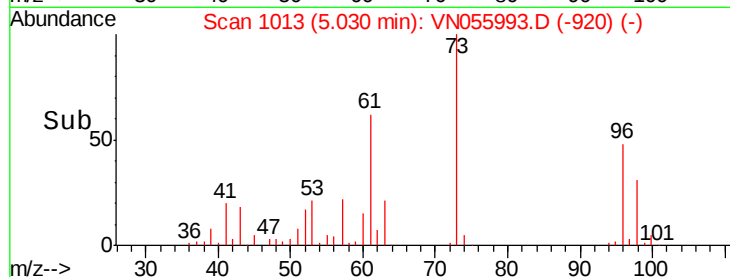
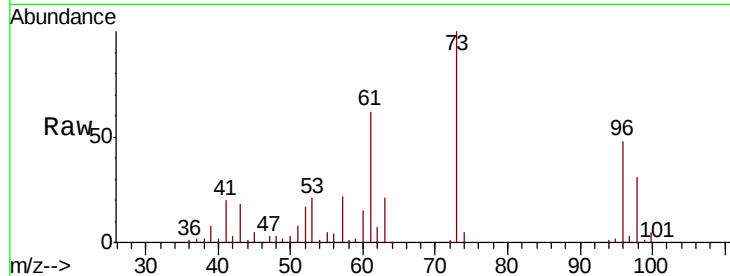




#21
trans-1,2-Dichloroethene
Concen: 50.924 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

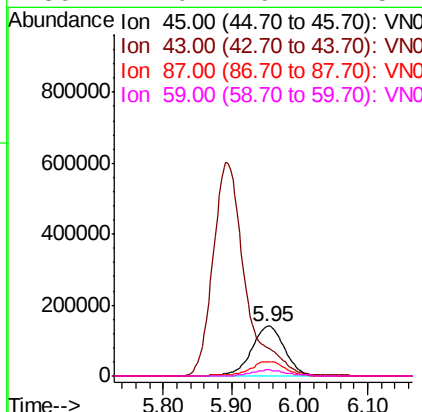
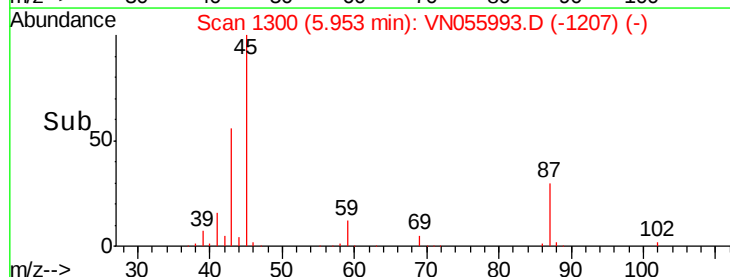
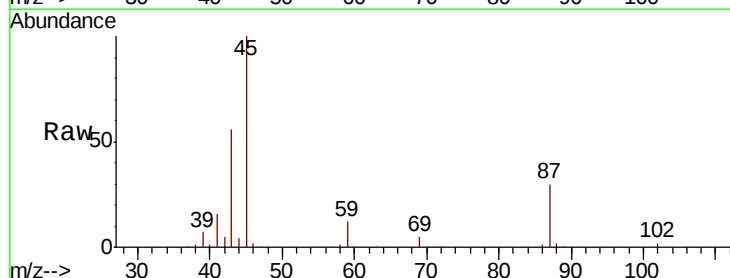
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

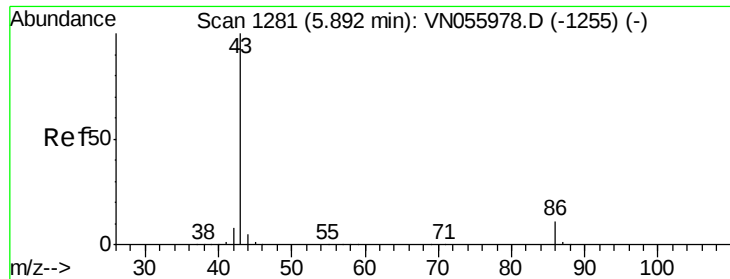
Tot Ion: 96 Resp: 159617
Ion Ratio Lower Upper
96 100
61 129.0 107.8 161.8
98 64.8 49.8 74.8



#22
Diisopropyl ether
Concen: 50.207 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 45 Resp: 479425
Ion Ratio Lower Upper
45 100
43 54.5 45.0 67.6
87 29.3 22.2 33.4
59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 263.294 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

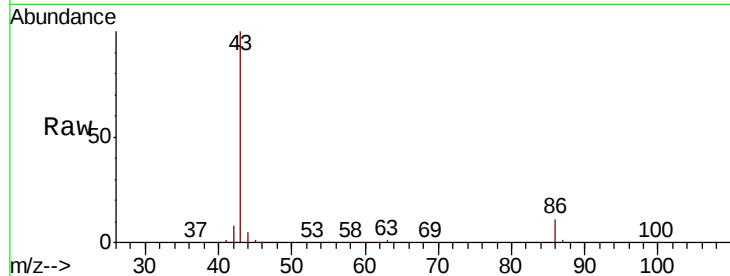
VSTDCCC050EC

Tot Ion: 43 Resp: 1979904

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055993.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN055993.D (-1188) (-)

5.89

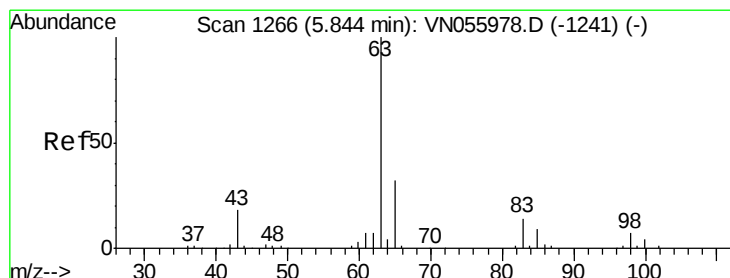
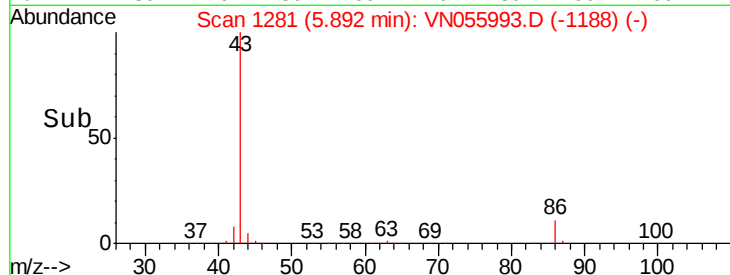
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 50.258 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

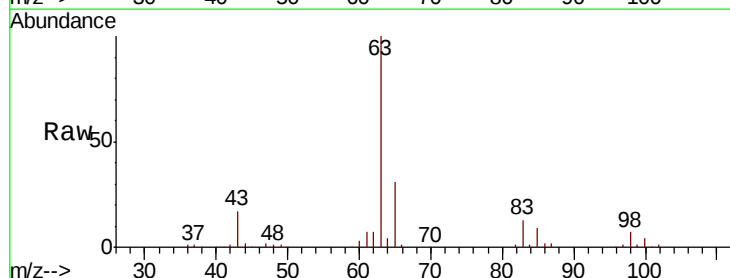
Tgt Ion: 63 Resp: 276830

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055993.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN055993.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN055993.D (-1173) (-)

5.84

120000

100000

80000

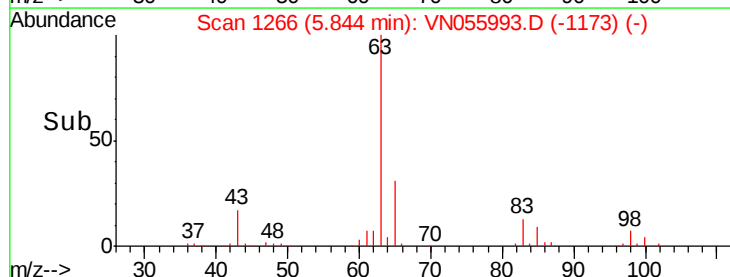
60000

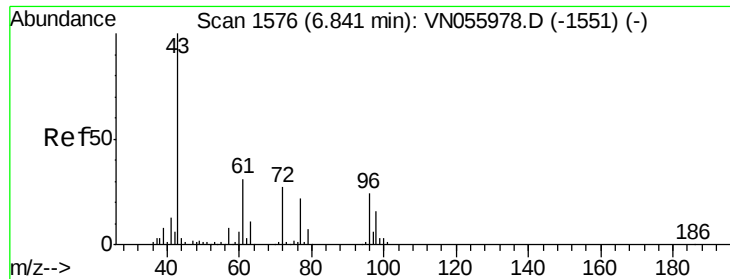
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

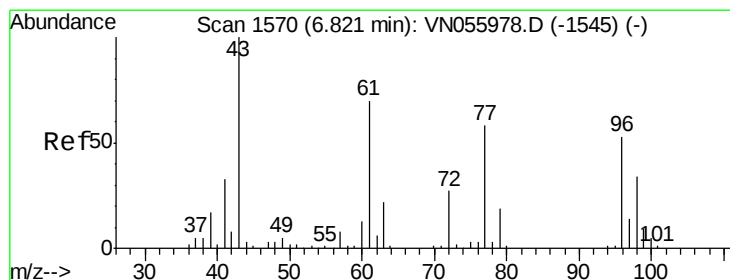
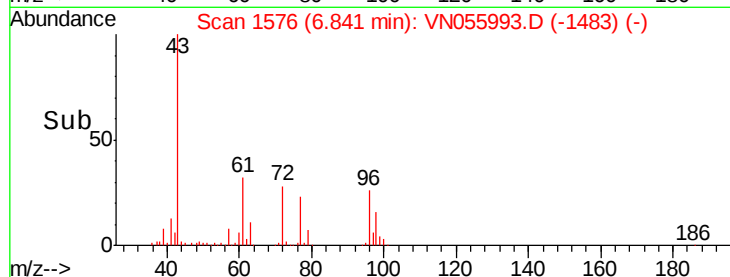
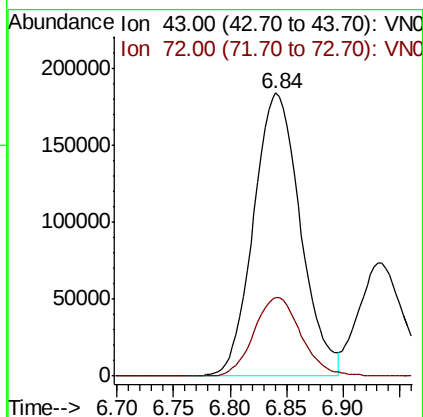
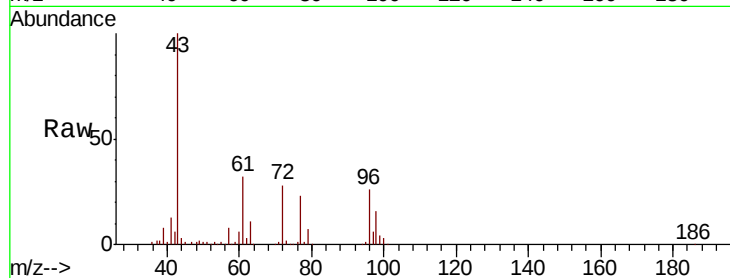




#25
2-Butanone
Concen: 252.265 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

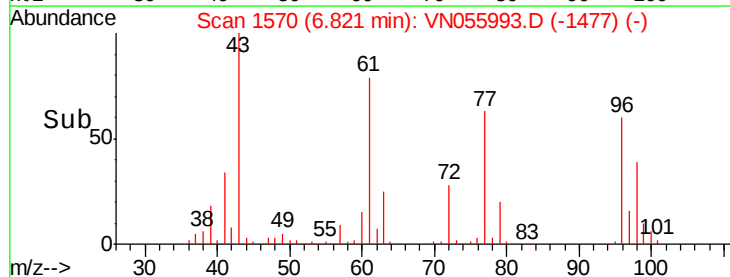
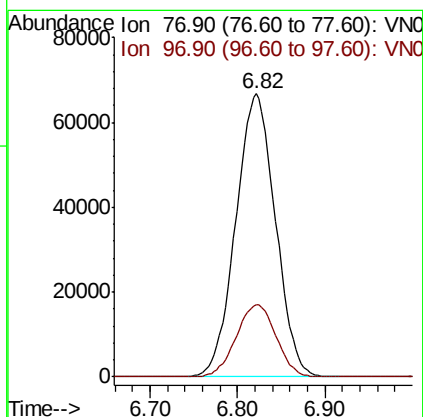
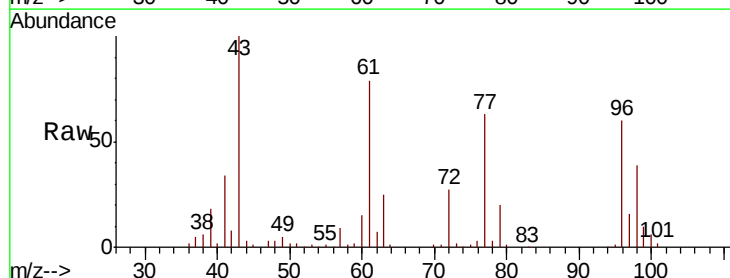
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

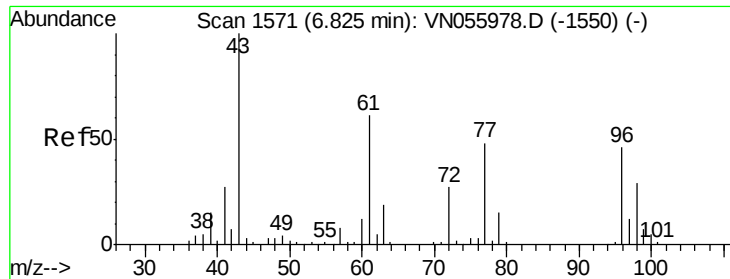
Tot Ion: 43 Resp: 527443
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 48.753 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 77 Resp: 209546
Ion Ratio Lower Upper
77 100
97 25.7 12.2 36.6

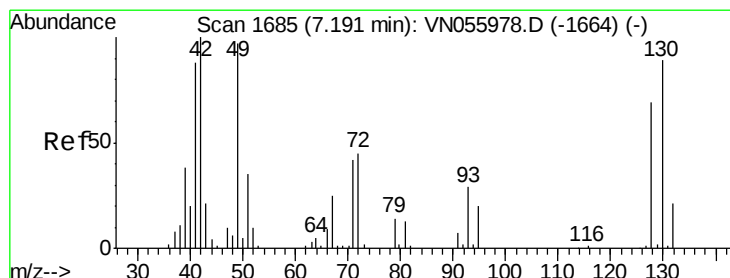
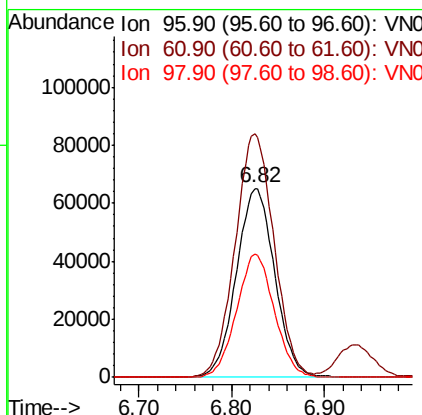
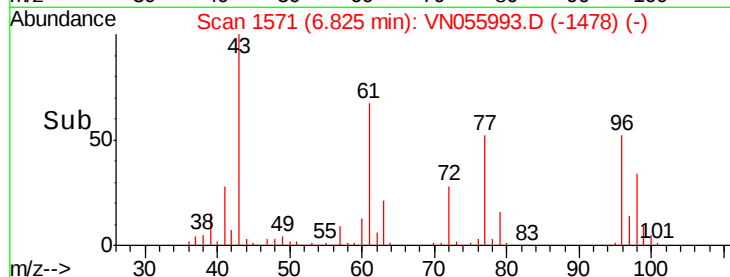
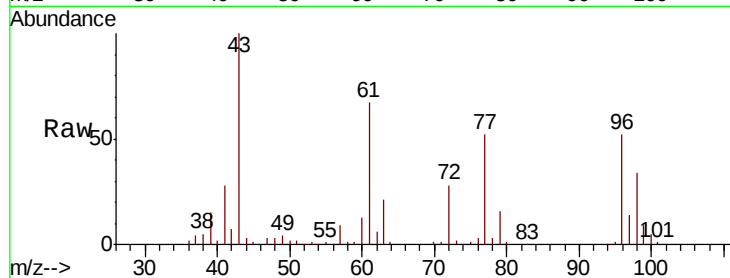




#27
 cis-1,2-Dichloroethene
 Concen: 50.711 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

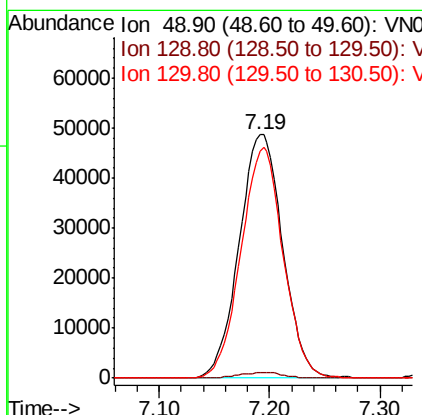
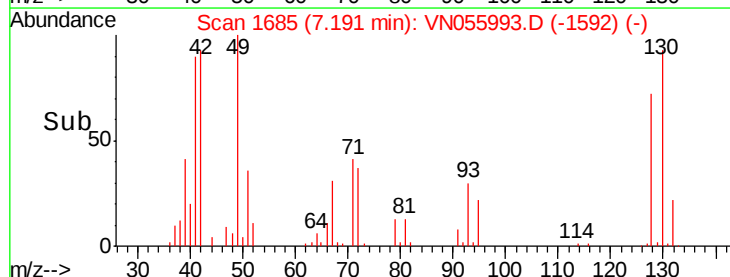
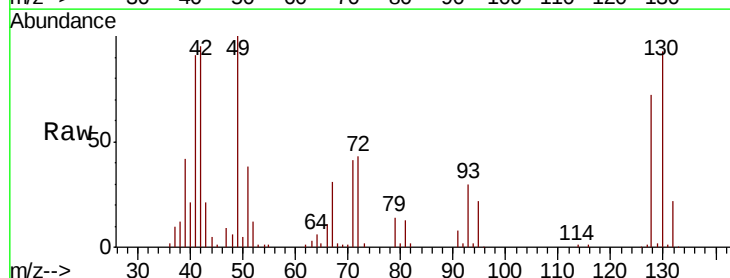
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

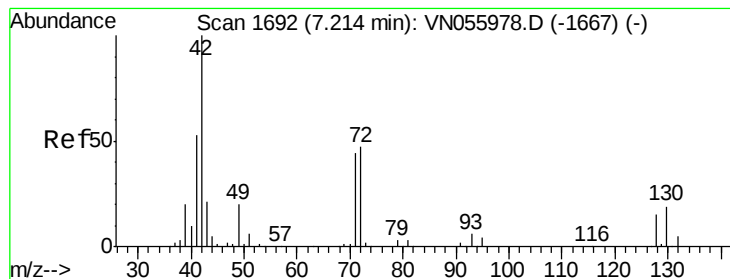
Tot Ion: 96 Resp: 186841
 Ion Ratio Lower Upper
 96 100
 61 130.8 0.0 275.8
 98 64.3 0.0 128.4



#28
 Bromochloromethane
 Concen: 51.093 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion: 49 Resp: 133087
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 91.7 71.2 106.8





#29

Tetrahydrofuran

Concen: 257.048 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

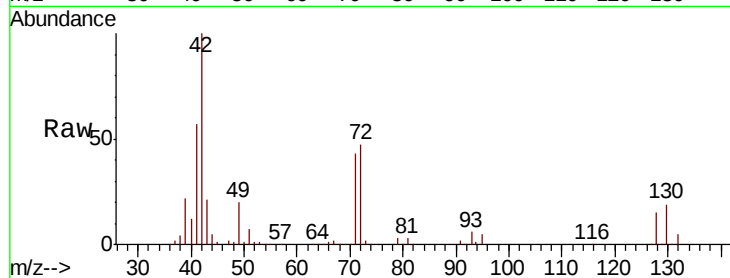
Tot Ion: 42 Resp: 332216

Ion Ratio Lower Upper

42 100

72 46.9 35.9 53.9

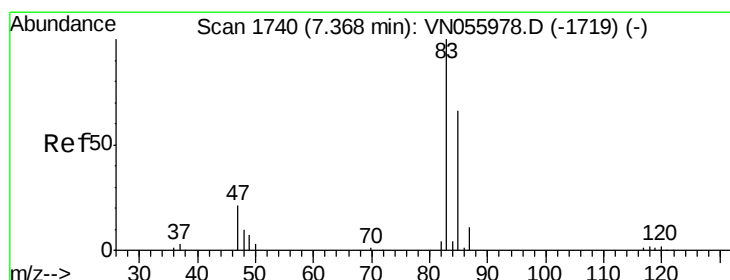
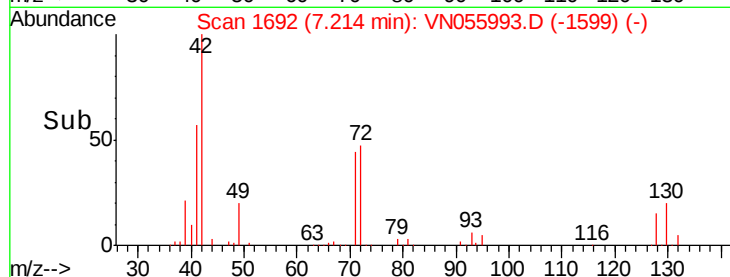
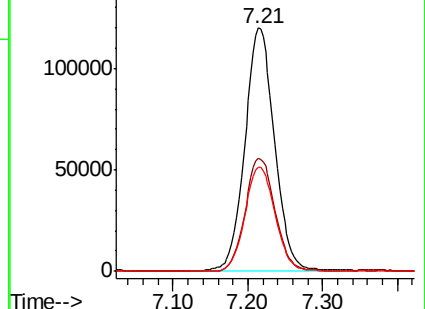
71 43.4 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN055993.D (-1667) (-)

Ion 72.00 (71.70 to 72.70): VN055993.D (-1667) (-)

Ion 71.00 (70.70 to 71.70): VN055993.D (-1667) (-)



#30

Chloroform

Concen: 49.769 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN055993.D

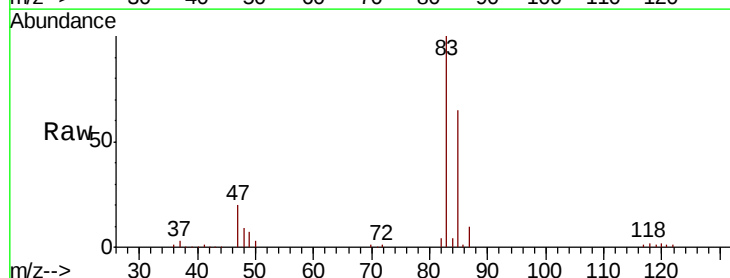
Acq: 4 Jun 2019 16:05

Tgt Ion: 83 Resp: 275772

Ion Ratio Lower Upper

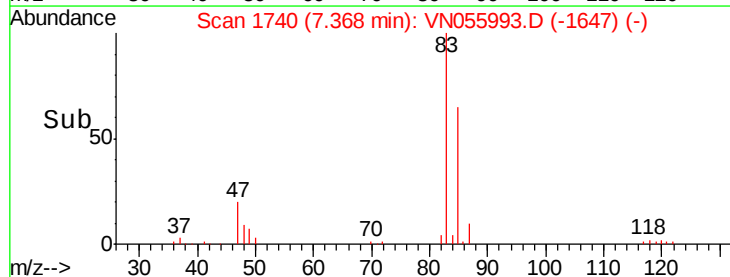
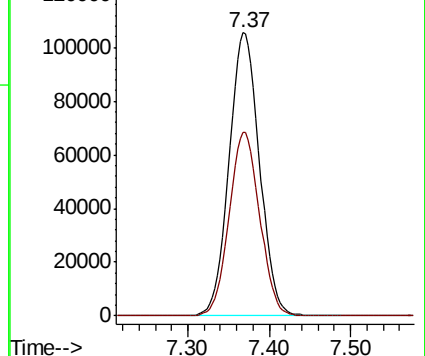
83 100

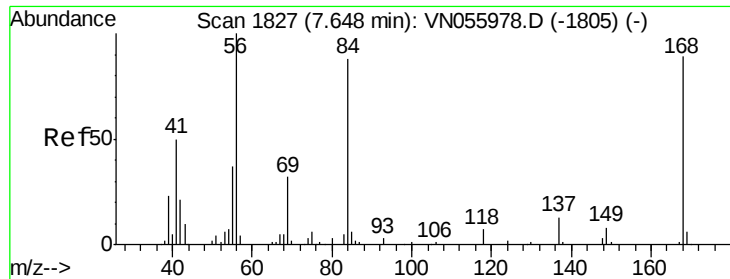
85 64.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN055993.D (-1647) (-)

Ion 84.90 (84.60 to 85.60): VN055993.D (-1647) (-)

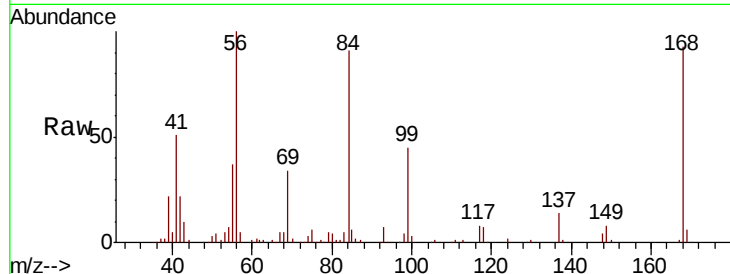




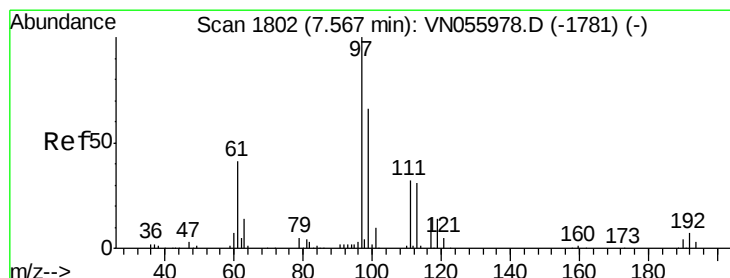
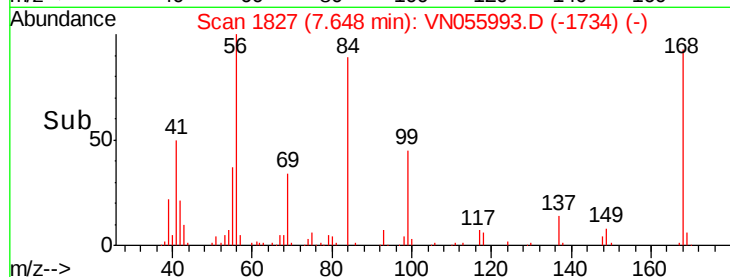
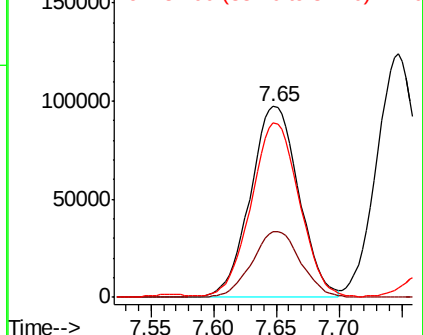
#31
Cyclohexane
Concen: 47.734 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 262079
Ion Ratio Lower Upper
56 100
69 34.4 25.6 38.4
84 90.0 67.4 101.0

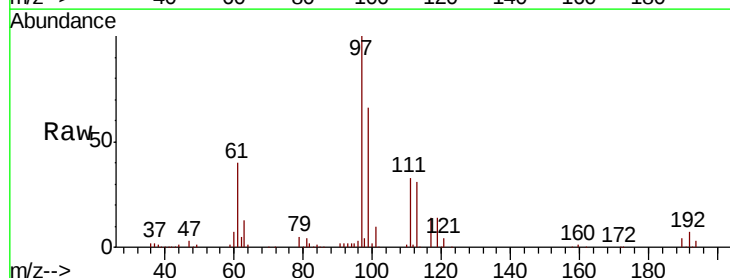


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

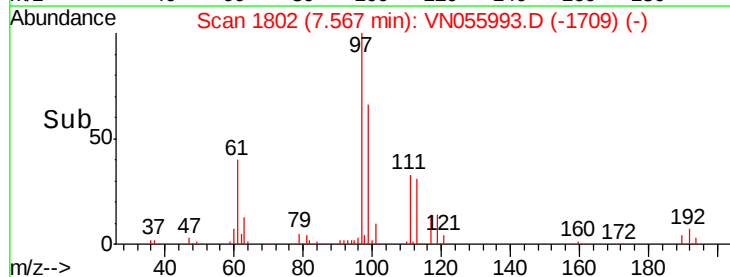
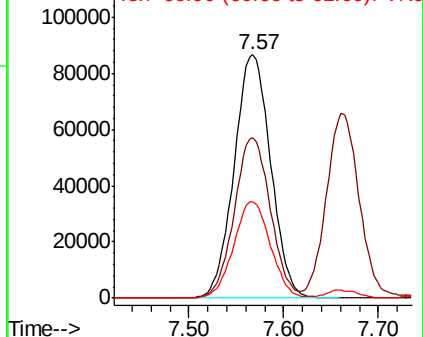


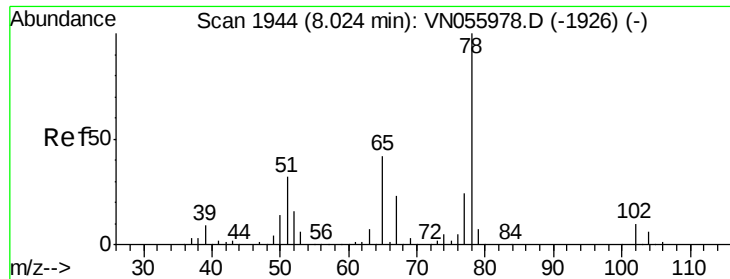
#32
1,1,1-Trichloroethane
Concen: 50.380 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 97 Resp: 233114
Ion Ratio Lower Upper
97 100
99 65.2 52.0 78.0
61 39.9 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 49.402 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

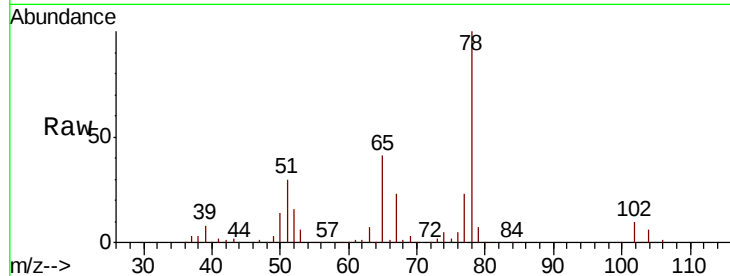
VSTDCCC050EC

Tot Ion: 65 Resp: 170934

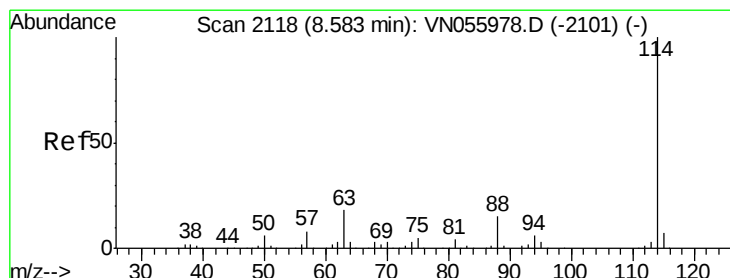
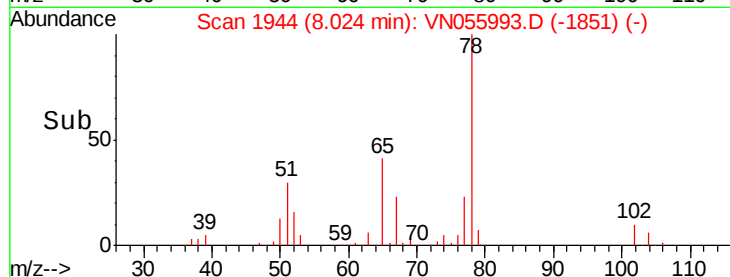
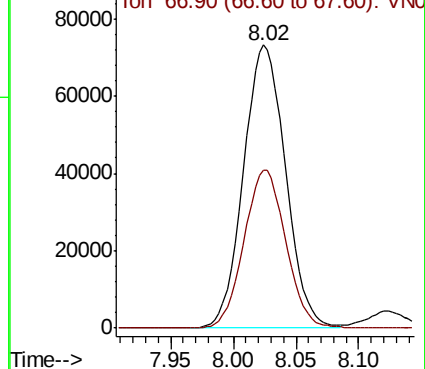
Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055993.D (-1851) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

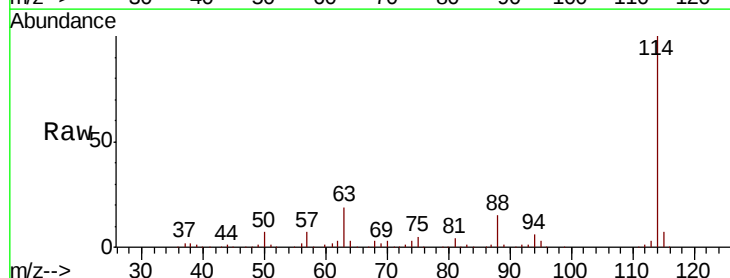
Tgt Ion: 114 Resp: 515955

Ion Ratio Lower Upper

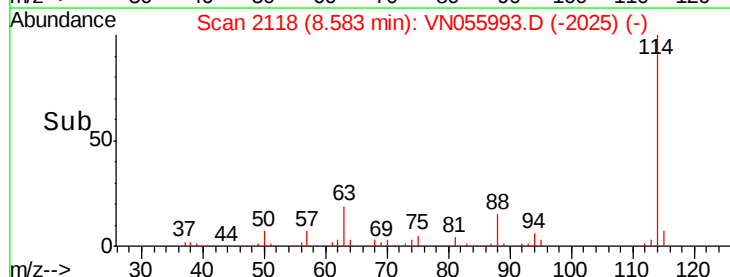
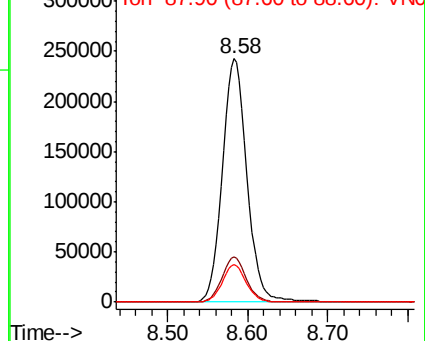
114 100

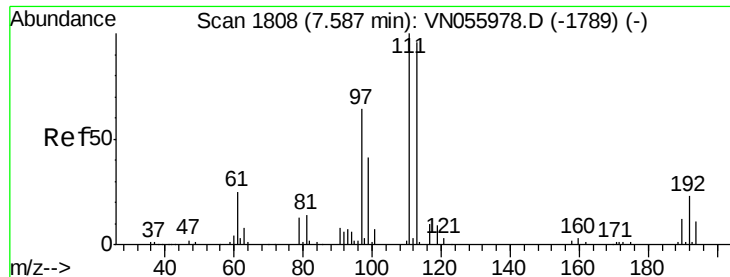
63 18.7 0.0 39.2

88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055993.D (-2025) (-)

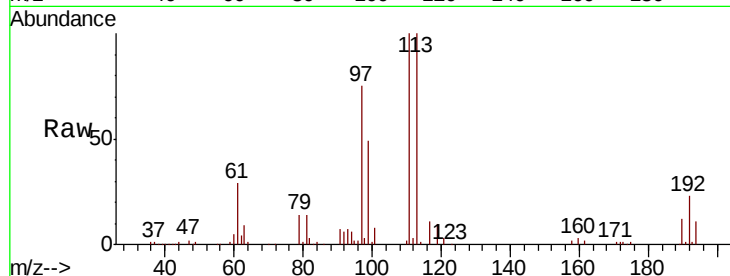




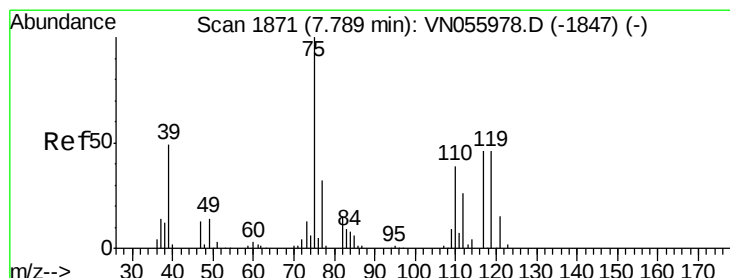
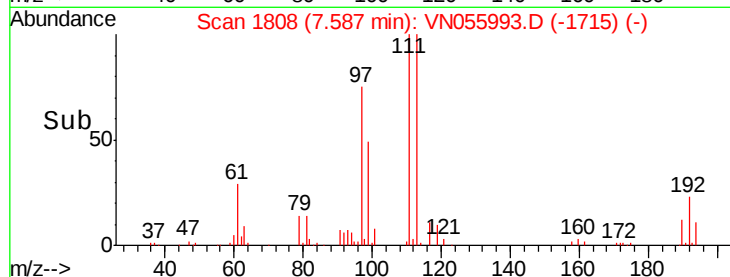
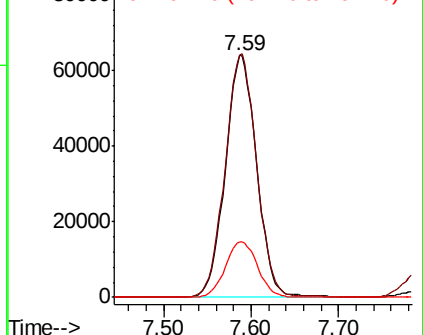
#35
 Dibromofluoromethane
 Concen: 50.065 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 158485
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 23.7 19.5 29.3

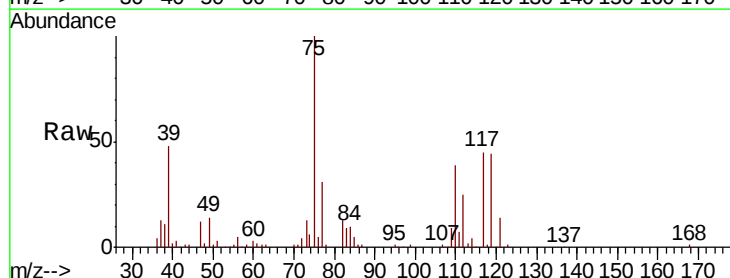


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

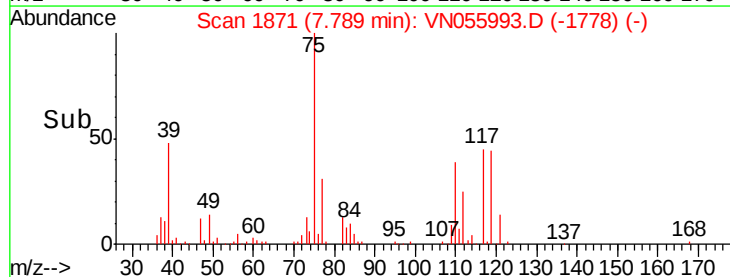
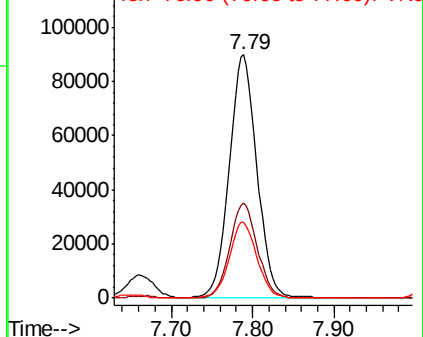


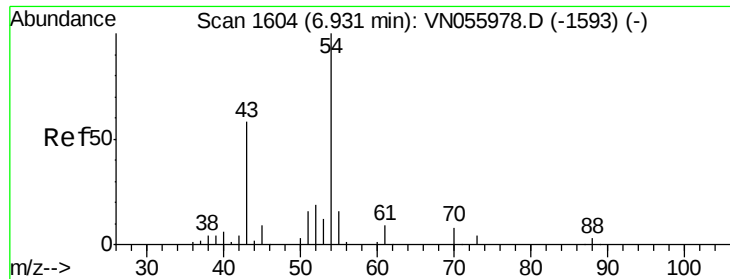
#36
 1,1-Dichloropropene
 Concen: 48.194 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion: 75 Resp: 213811
 Ion Ratio Lower Upper
 75 100
 110 38.7 19.0 57.0
 77 31.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

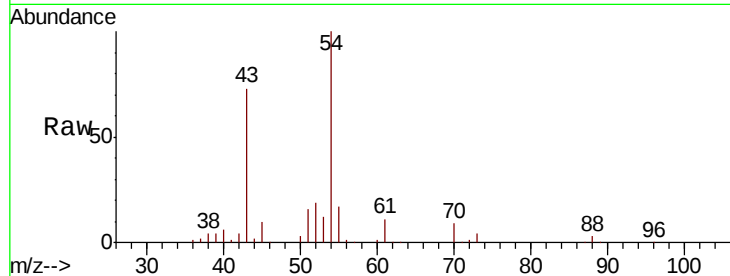




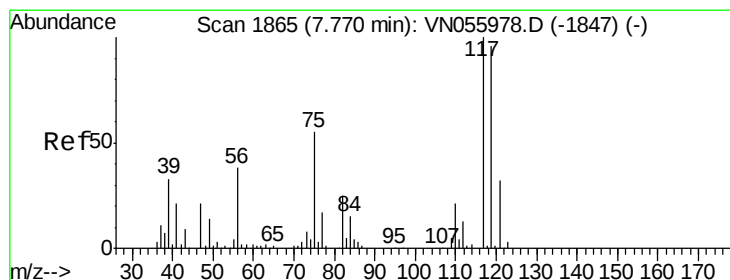
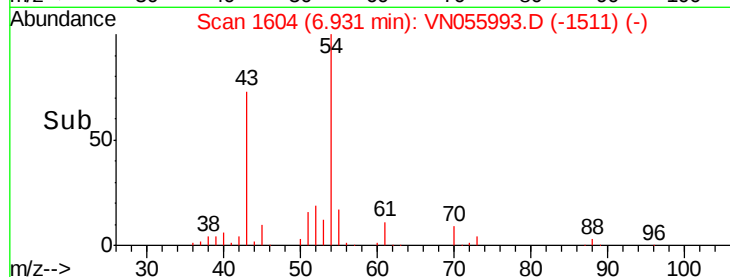
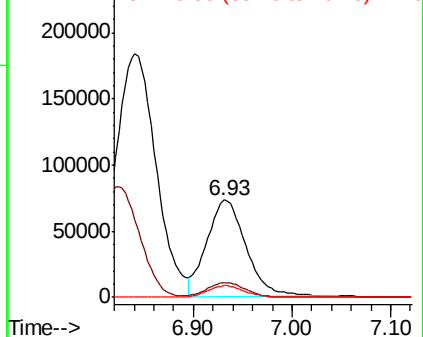
#37
Ethyl Acetate
Concen: 51.580 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 203609
Ion Ratio Lower Upper
43 100
61 15.8 12.2 18.2
70 11.5 8.9 13.3

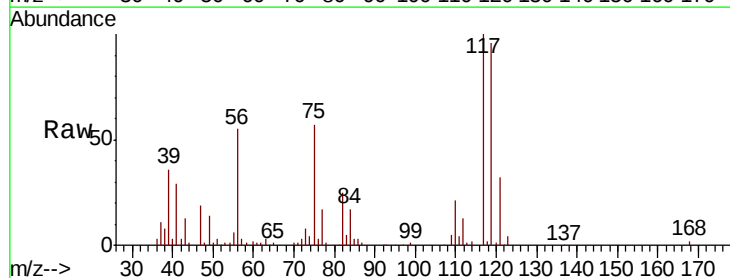


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

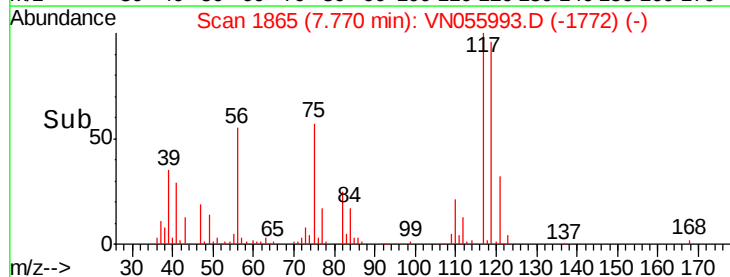
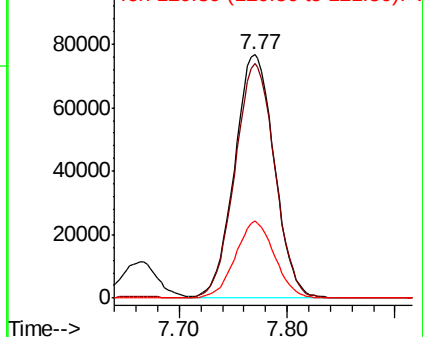


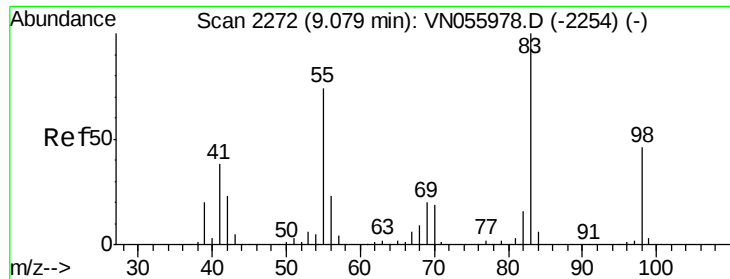
#38
Carbon Tetrachloride
Concen: 48.029 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 117 Resp: 196447
Ion Ratio Lower Upper
117 100
119 96.1 79.0 118.6
121 31.7 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

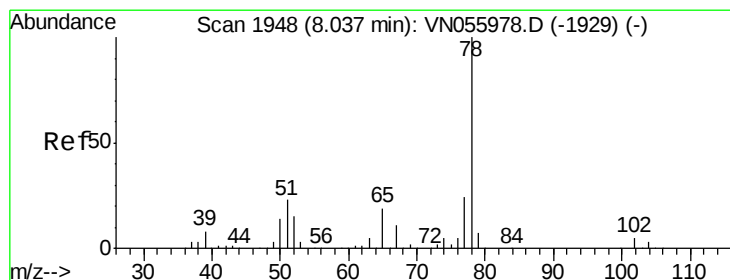
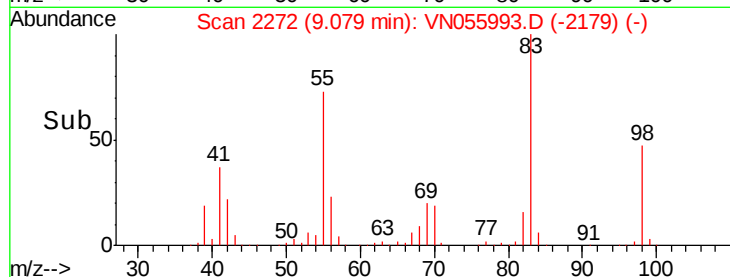
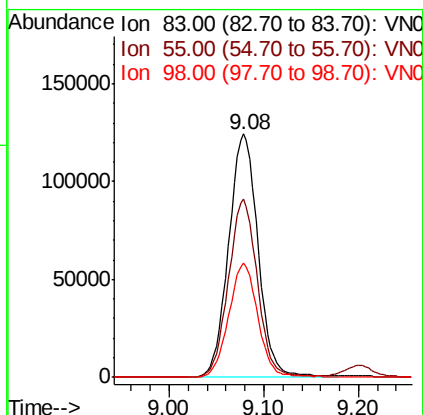
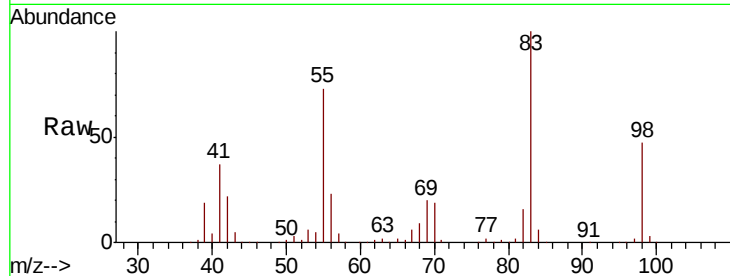




#39
Methvlcvclohexane
Concen: 48.746 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

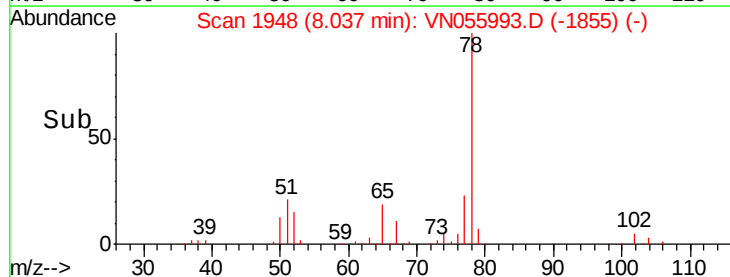
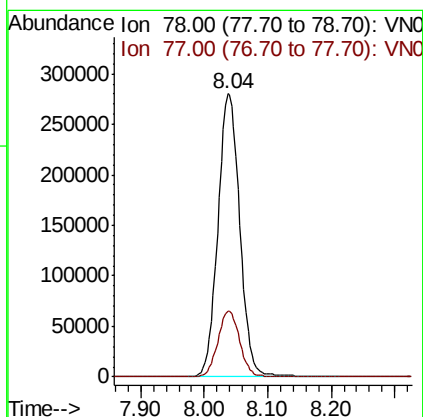
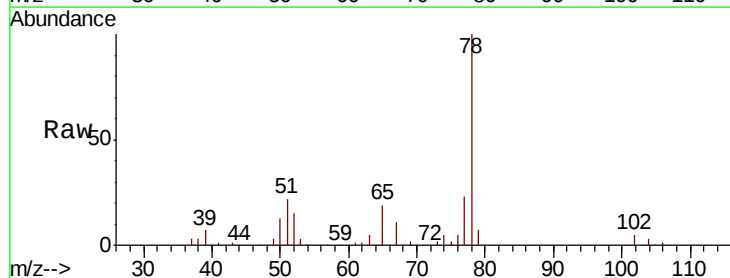
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

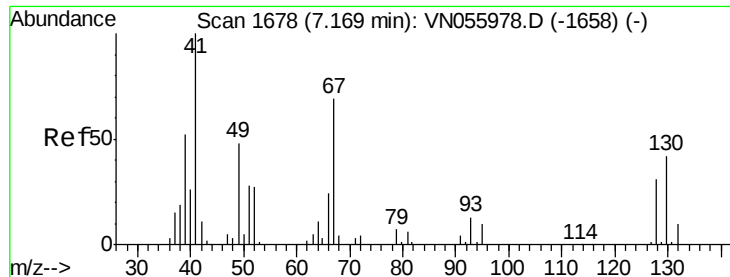
Tot Ion: 83 Resp: 269397
Ion Ratio Lower Upper
83 100
55 73.0 59.3 88.9
98 46.8 36.6 54.8



#40
Benzene
Concen: 49.543 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 78 Resp: 667577
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

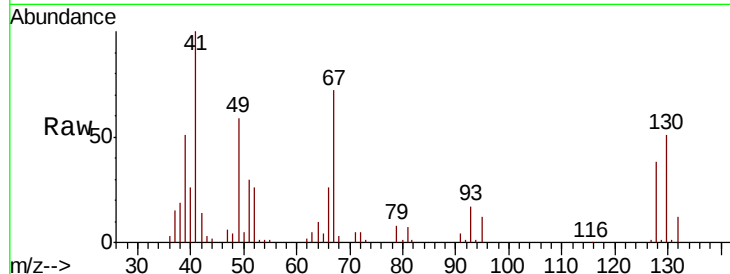




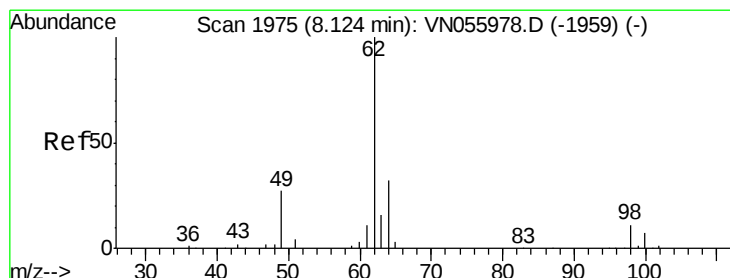
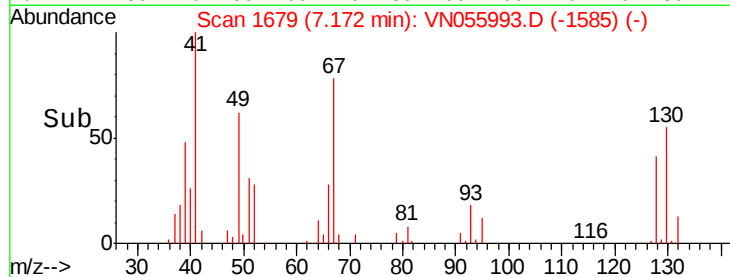
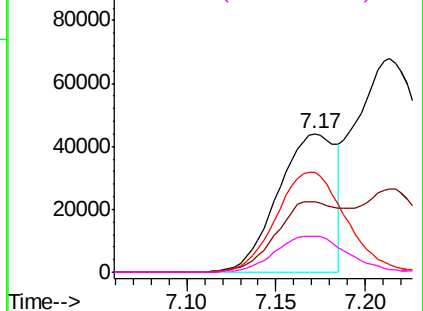
#41
Methacrylonitrile
Concen: 54.656 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 99266
Ion Ratio Lower Upper
41 100
39 55.7 45.6 68.4
67 87.8 67.7 101.5
52 32.8 26.6 40.0

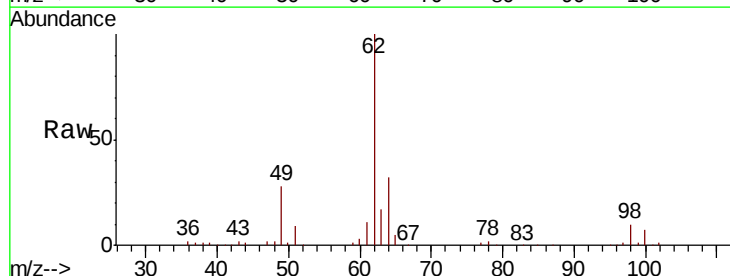


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

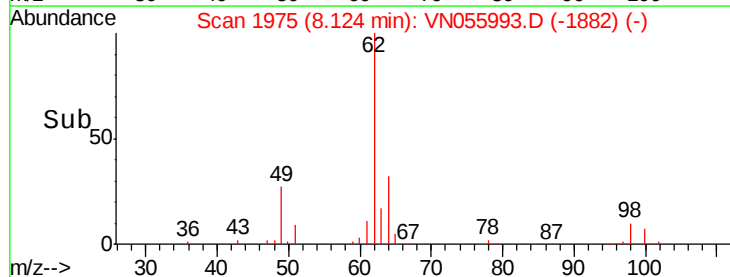
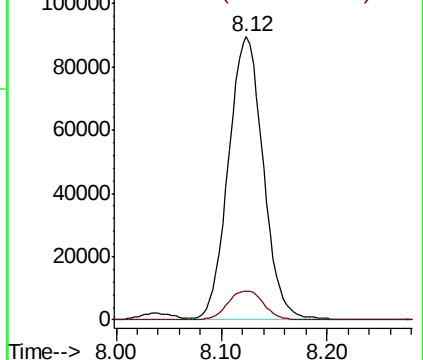


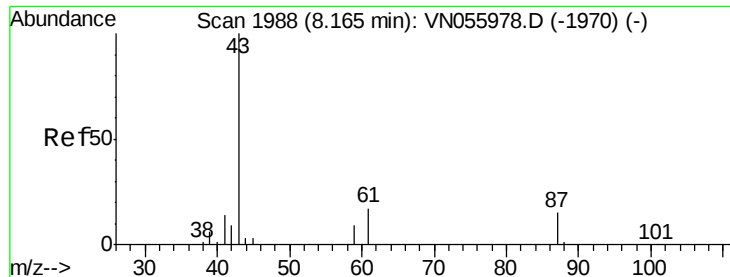
#42
1,2-Dichloroethane
Concen: 47.004 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 62 Resp: 203732
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 51.203 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

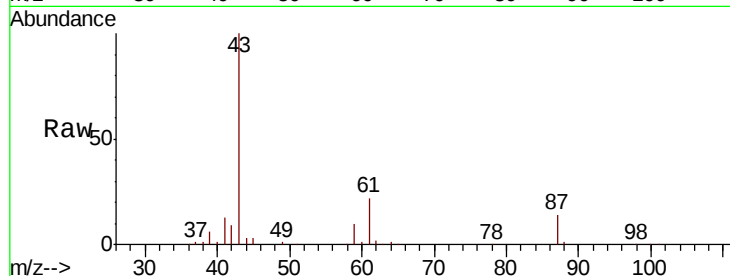
Tot Ion: 43 Resp: 327526

Ion Ratio Lower Upper

43 100

61 28.7 22.2 33.4

87 14.7 11.4 17.2

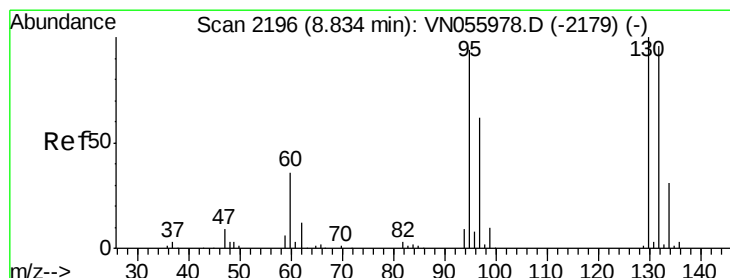
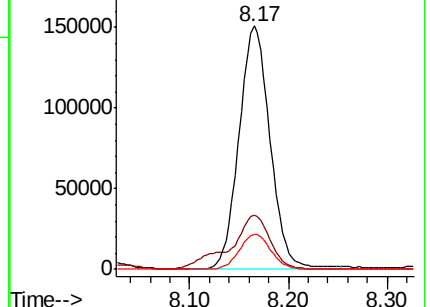
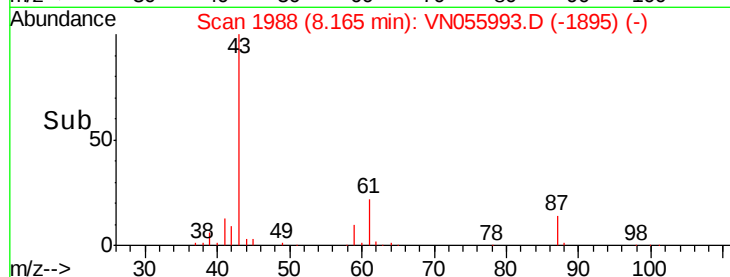


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17



#44

Trichloroethene

Concen: 48.757 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055993.D

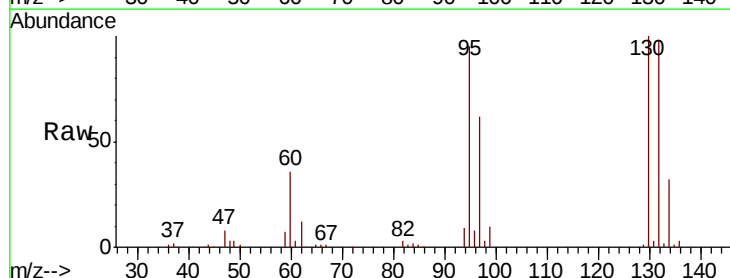
Acq: 4 Jun 2019 16:05

Tgt Ion:130 Resp: 188781

Ion Ratio Lower Upper

130 100

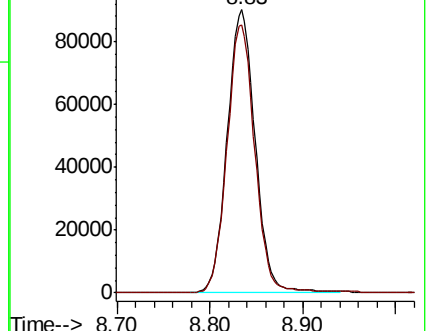
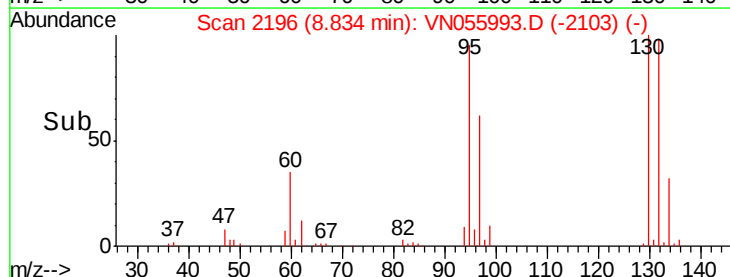
95 94.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83

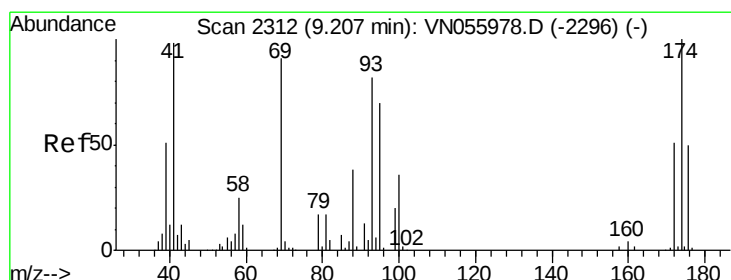
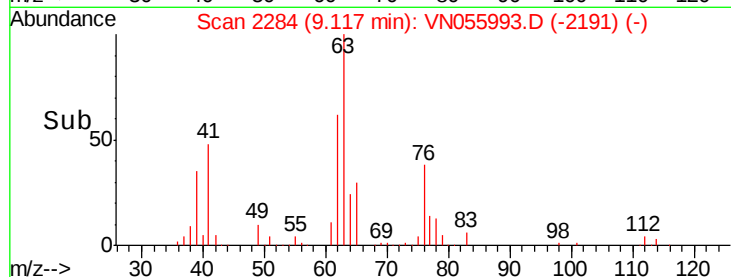
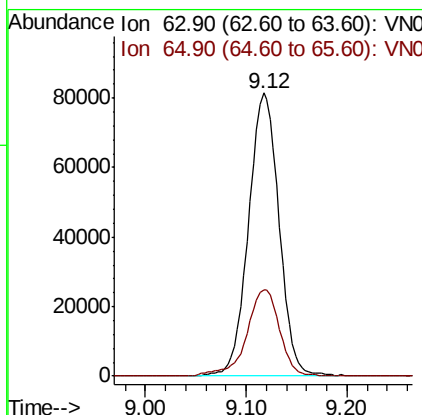
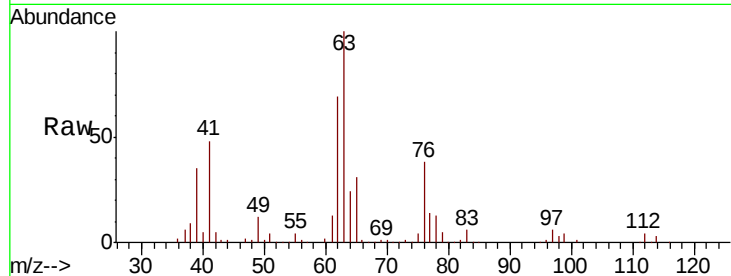




#45
 1,2-Dichloropropane
 Concen: 49.413 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

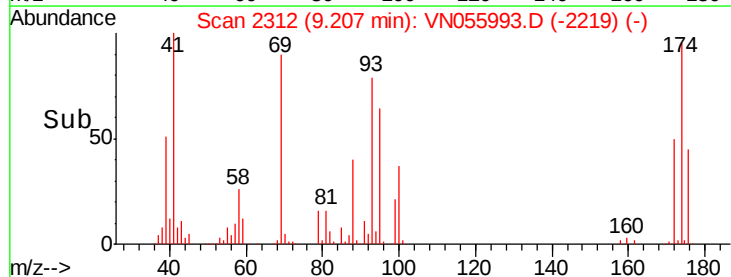
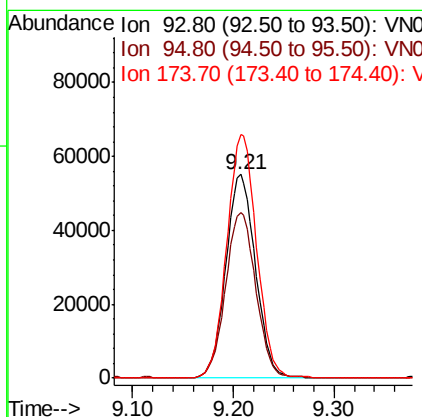
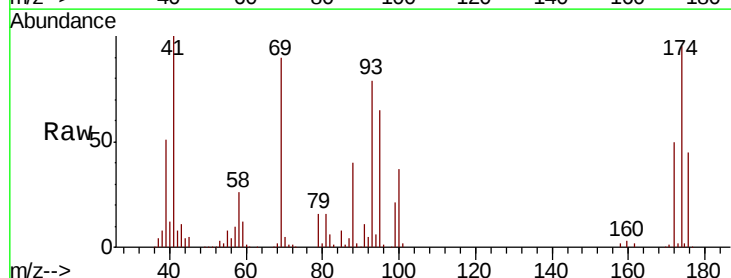
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 170544
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8



#46
 Dibromomethane
 Concen: 50.226 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion: 93 Resp: 113360
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 119.9 96.4 144.6





#47

Bromodichloromethane

Concen: 49.767 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

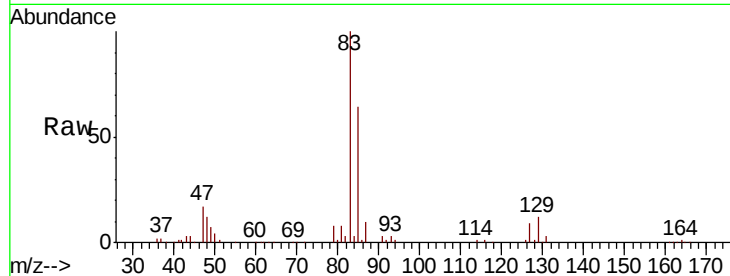
Tot Ion: 83 Resp: 203577

Ion Ratio Lower Upper

83 100

85 63.7 52.2 78.2

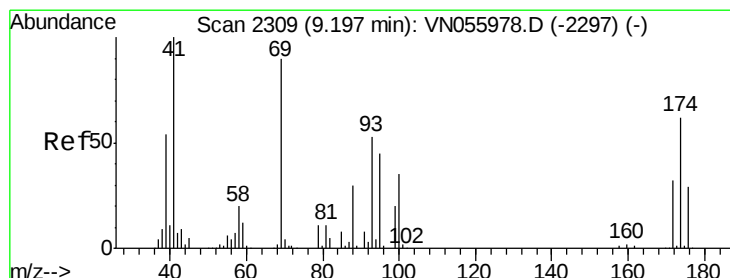
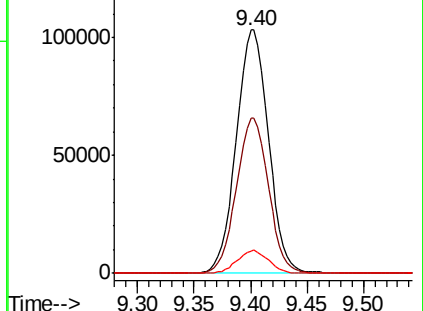
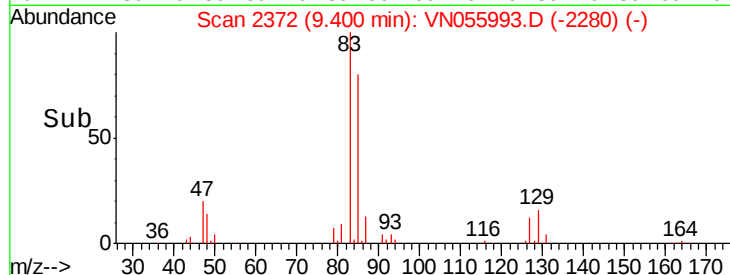
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055993.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055993.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055993.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.758 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

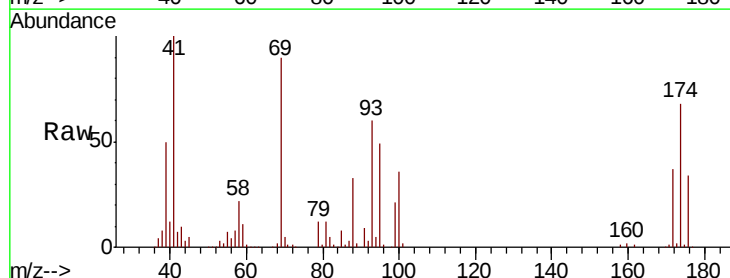
Tgt Ion: 41 Resp: 155714

Ion Ratio Lower Upper

41 100

69 94.8 71.0 106.6

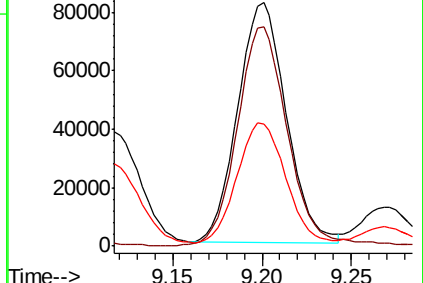
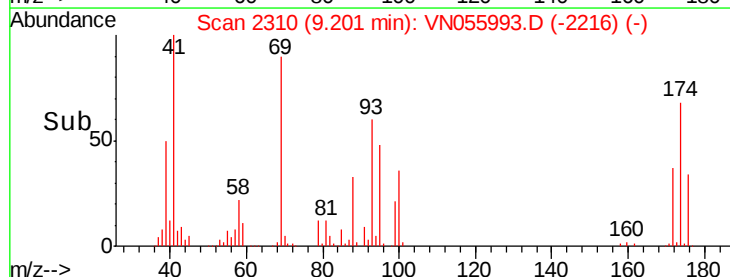
39 52.4 44.2 66.2

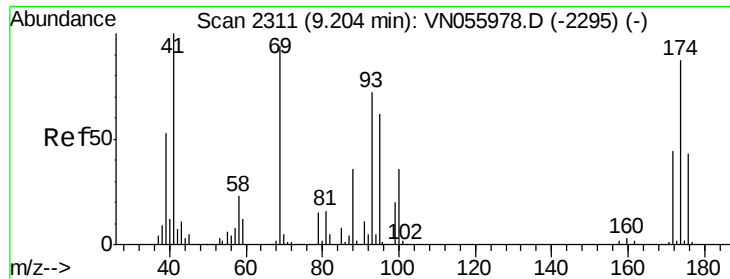


Abundance Ion 41.00 (40.70 to 41.70): VN055993.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055993.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055993.D (-2216) (-)

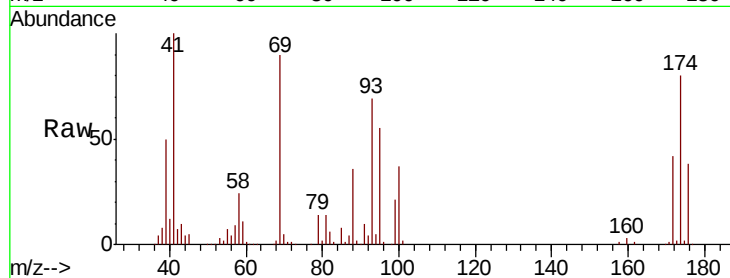




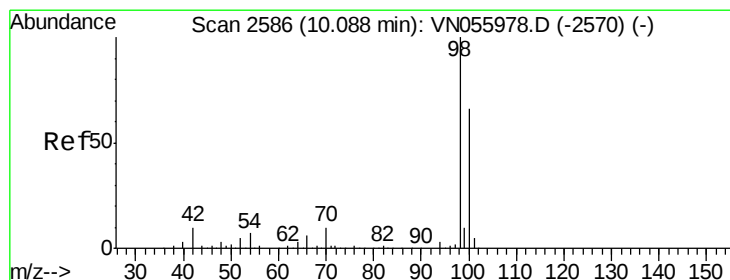
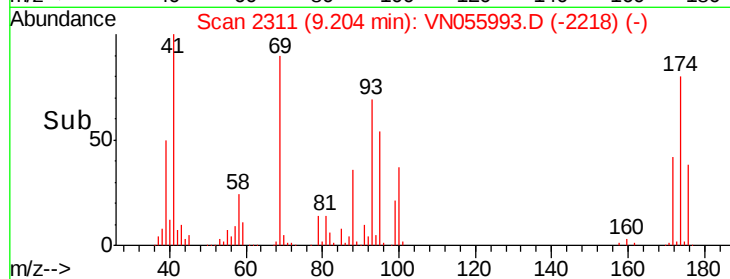
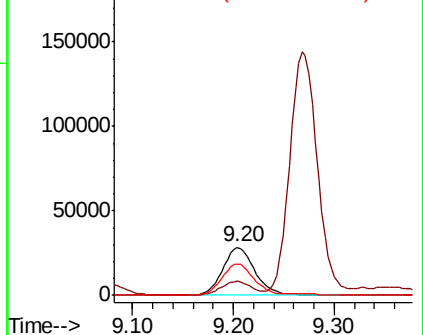
#49
1,4-Dioxane
Concen: 939.440 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 63469
Ion Ratio Lower Upper
88 100
43 26.2 20.5 30.7
58 65.4 55.8 83.6

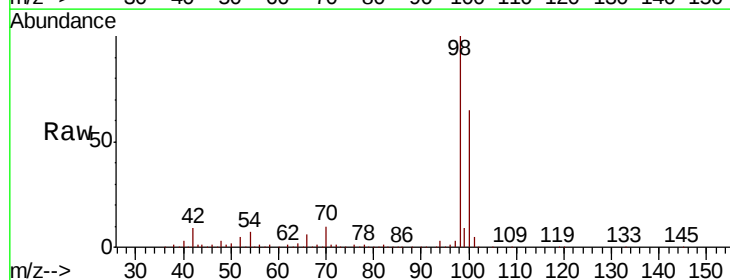


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

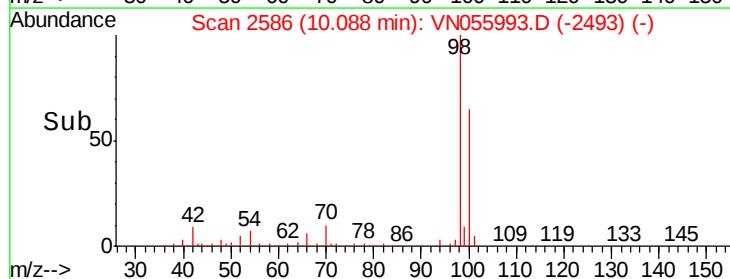
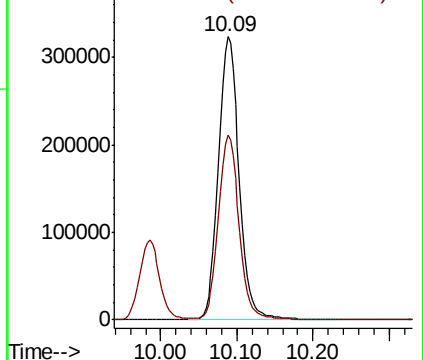


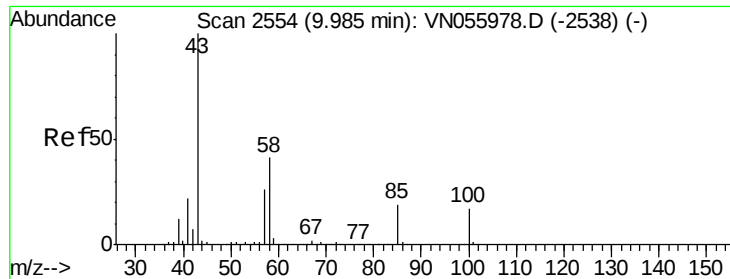
#50
Toluene-d8
Concen: 50.247 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 98 Resp: 612059
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 253.689 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

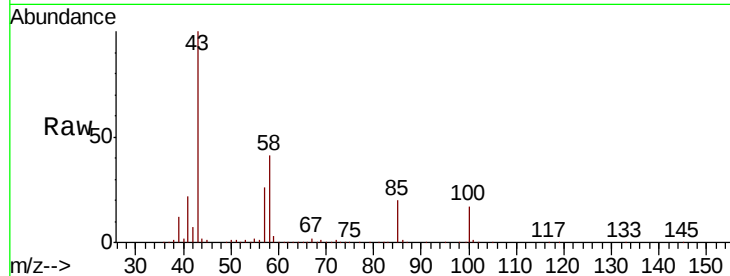
VSTDCCC050EC

Tot Ion: 43 Resp: 1014792

Ion Ratio Lower Upper

43 100

58 41.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

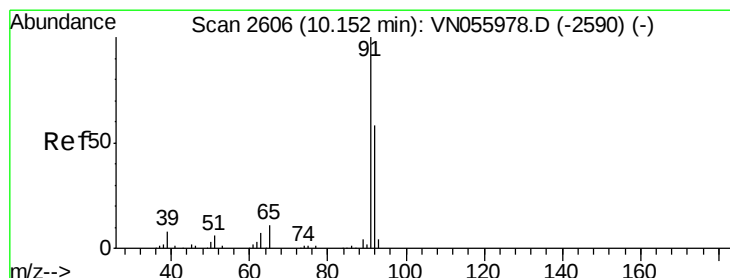
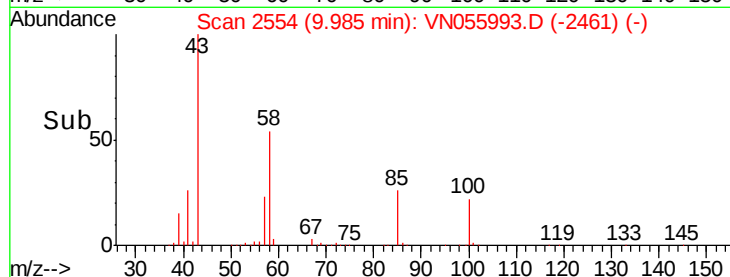
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 50.162 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055993.D

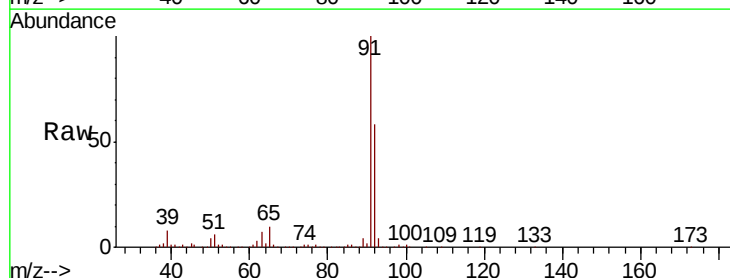
Acq: 4 Jun 2019 16:05

Tgt Ion: 92 Resp: 420594

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

200000

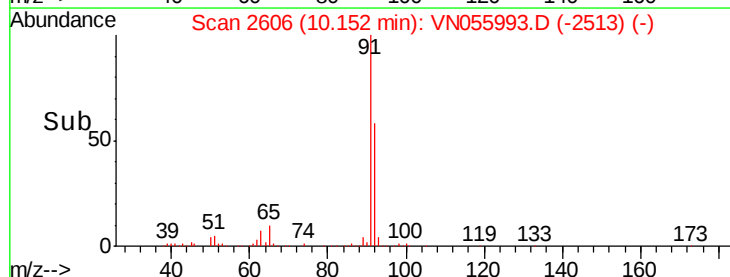
100000

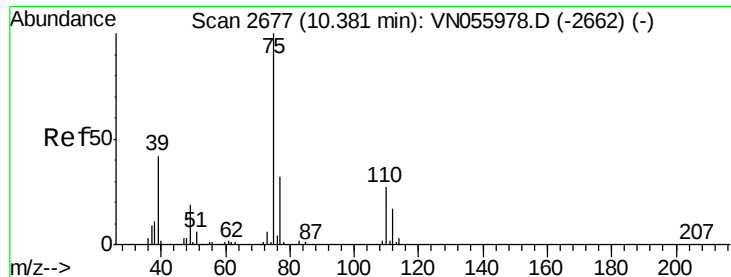
0

10.00

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.843 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

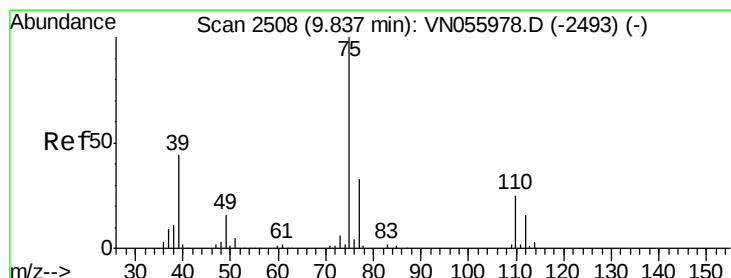
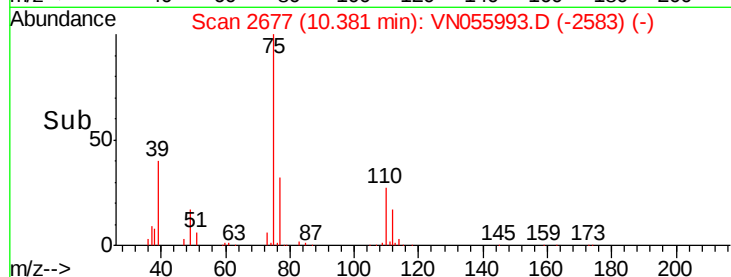
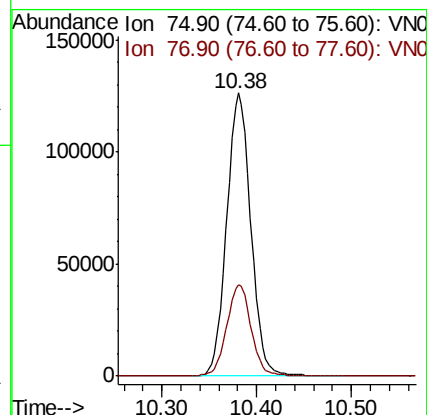
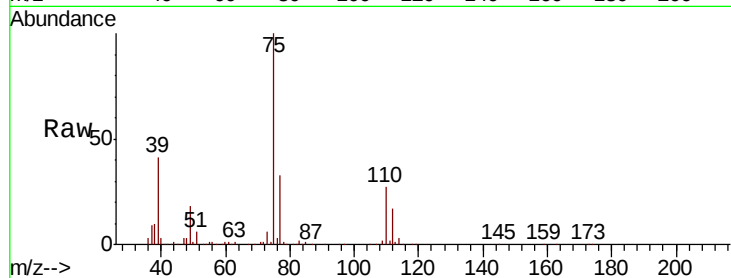
VSTDCCC050EC

Tot Ion: 75 Resp: 223892

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 52.413 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

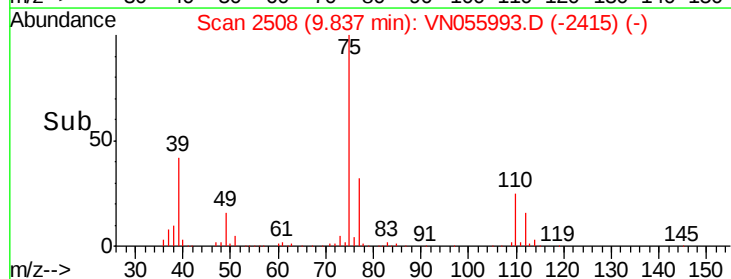
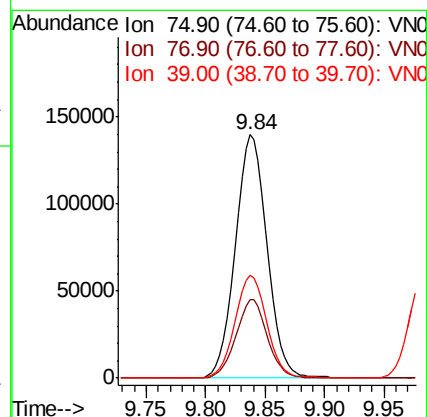
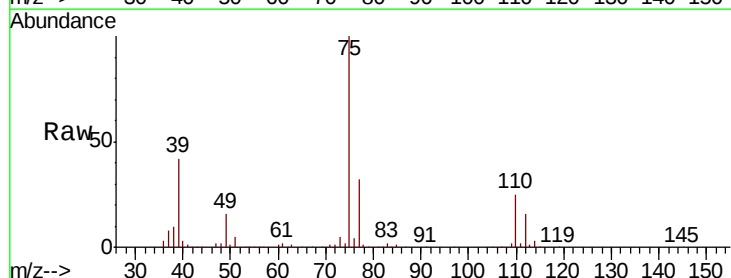
Tgt Ion: 75 Resp: 257709

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

39 42.1 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 50.458 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 167589

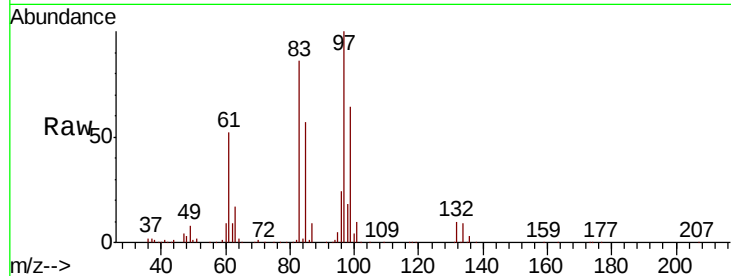
Ion Ratio Lower Upper

97 100

83 86.3 67.0 100.6

85 57.2 44.0 66.0

99 63.6 50.6 75.8

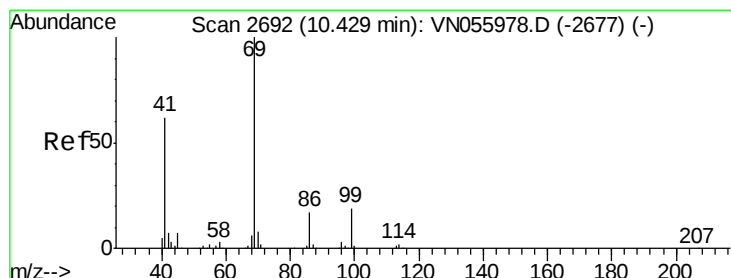
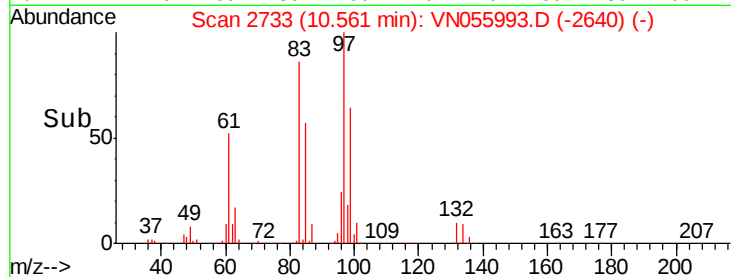
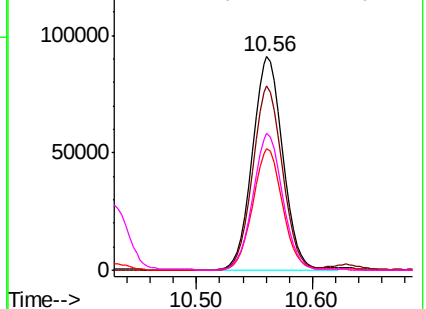


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.354 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

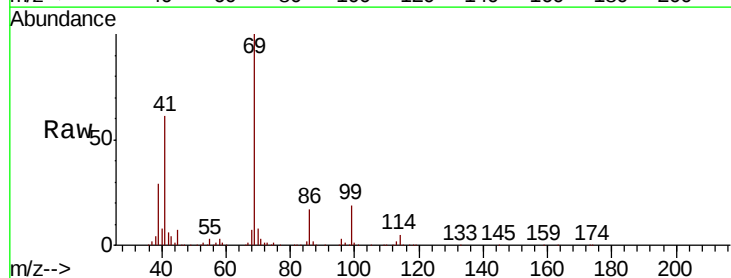
Tgt Ion: 69 Resp: 258525

Ion Ratio Lower Upper

69 100

41 60.4 49.7 74.5

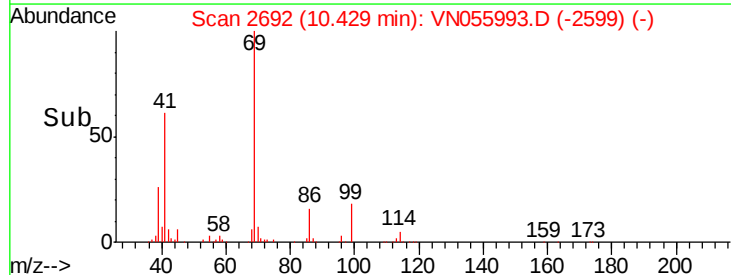
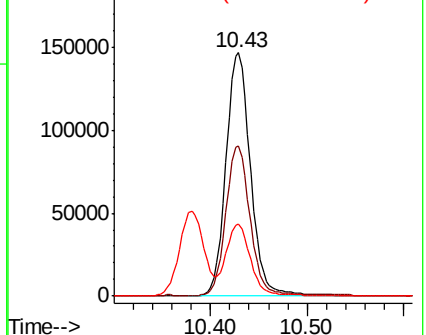
39 28.7 24.7 37.1

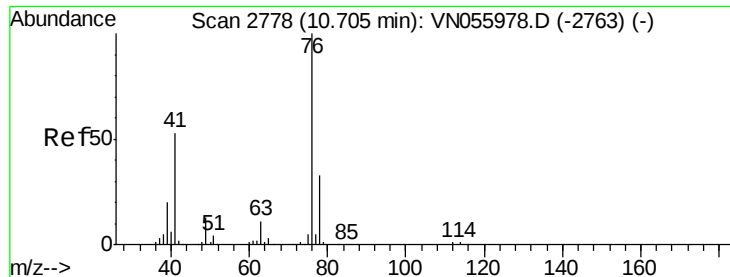


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.613 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

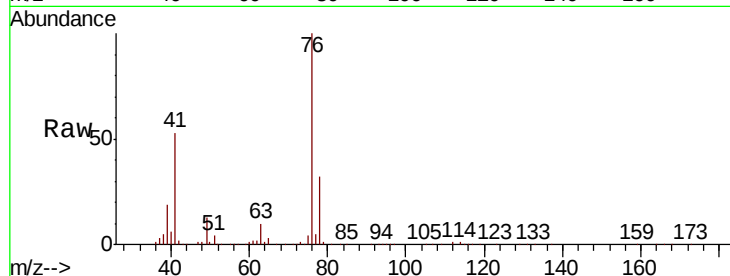
VSTDCCC050EC

Tot Ion: 76 Resp: 273275

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

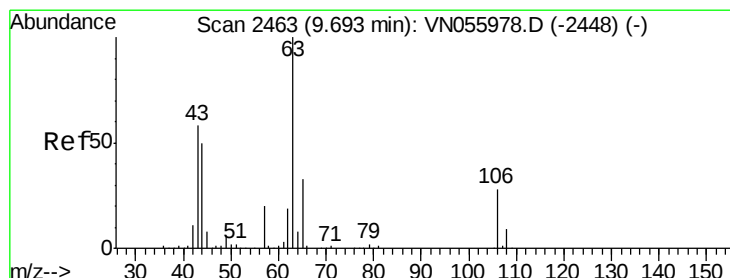
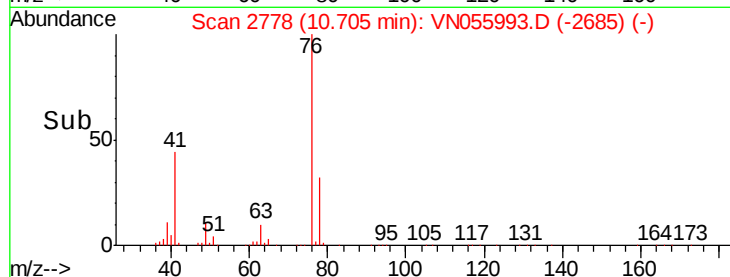
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 245.015 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055993.D

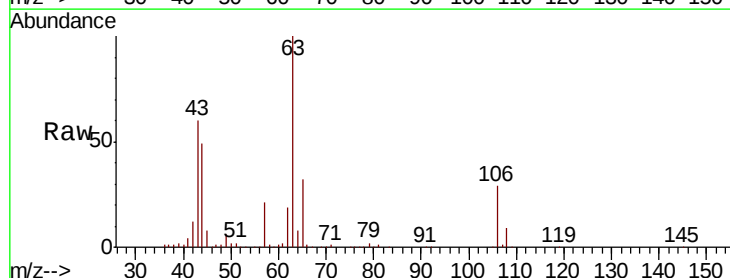
Acq: 4 Jun 2019 16:05

Tgt Ion: 63 Resp: 470104

Ion Ratio Lower Upper

63 100

106 29.1 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

300000

250000

200000

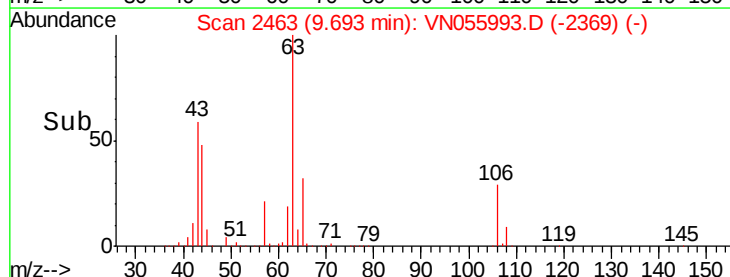
150000

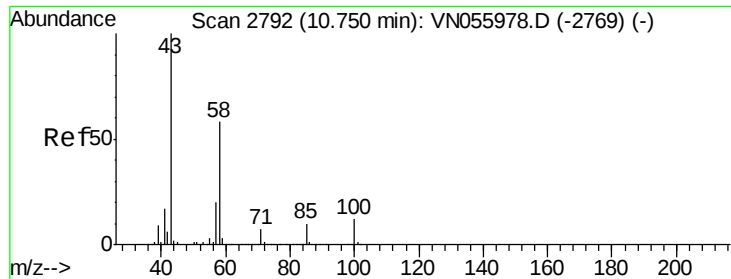
100000

50000

0

Time--> 9.60 9.70 9.80

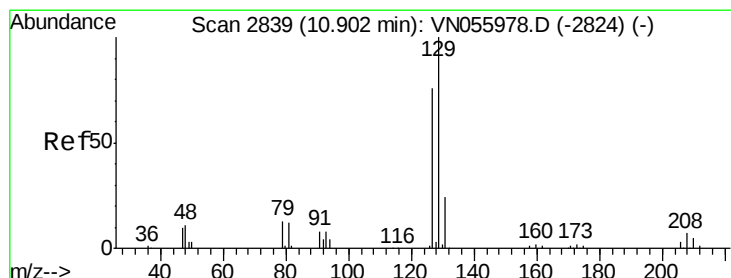
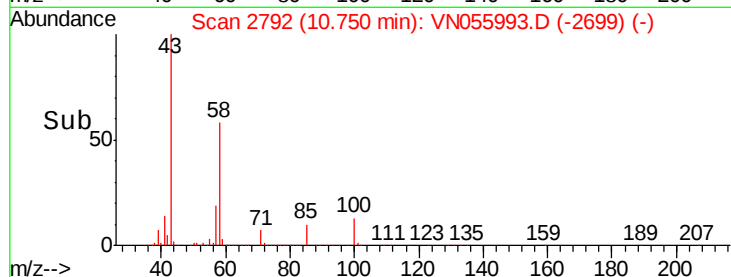
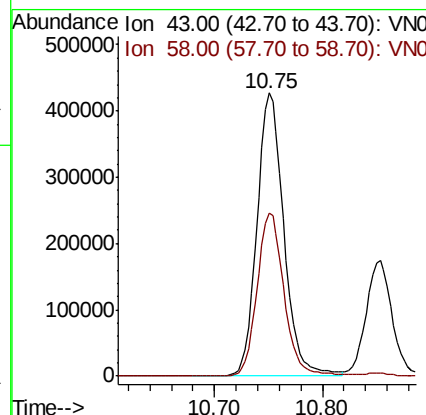
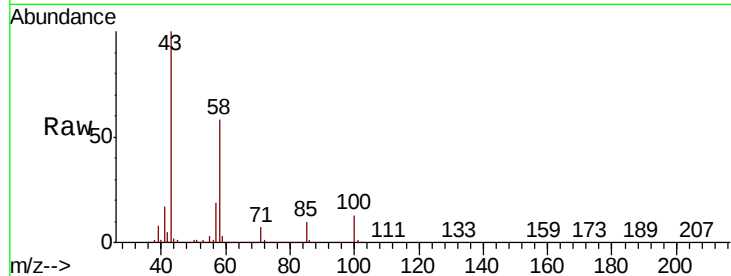




#59
2-Hexanone
Concen: 253.386 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

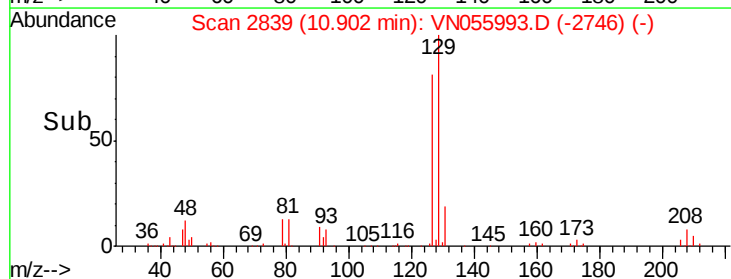
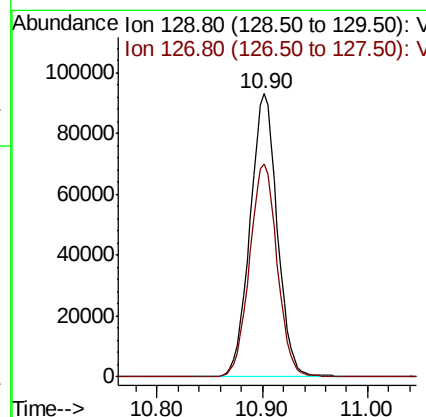
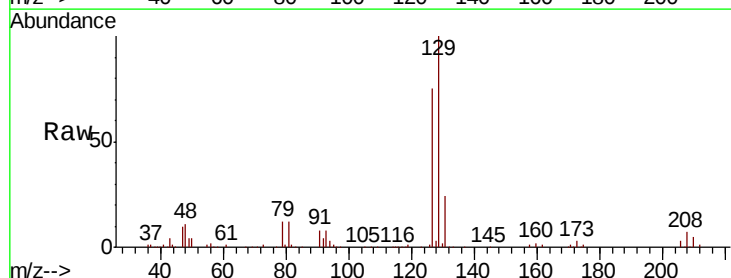
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

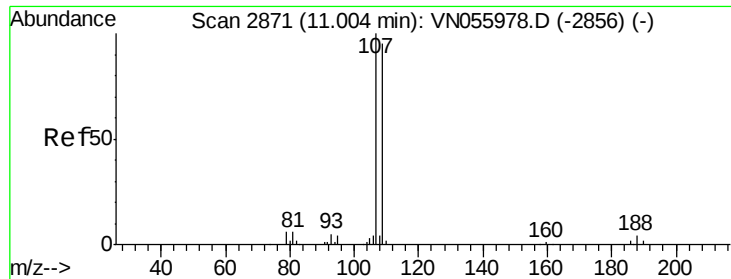
Tot Ion: 43 Resp: 734619
Ion Ratio Lower Upper
43 100
58 58.2 28.2 84.7



#60
Dibromochloromethane
Concen: 45.988 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 129 Resp: 167703
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3

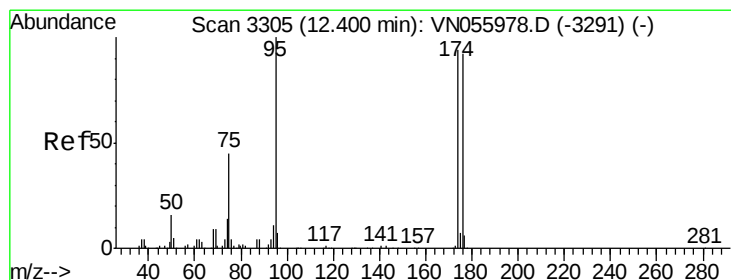
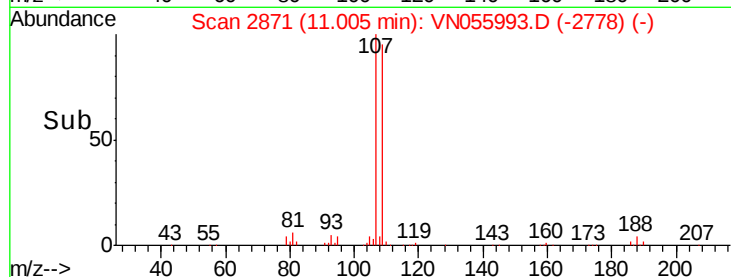
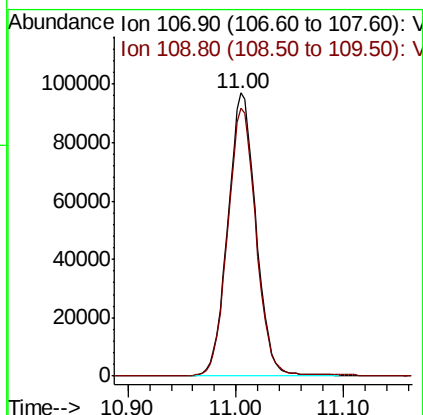
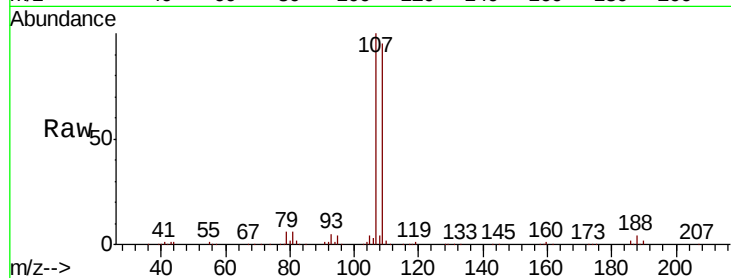




#61
1,2-Dibromoethane
Concen: 51.604 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

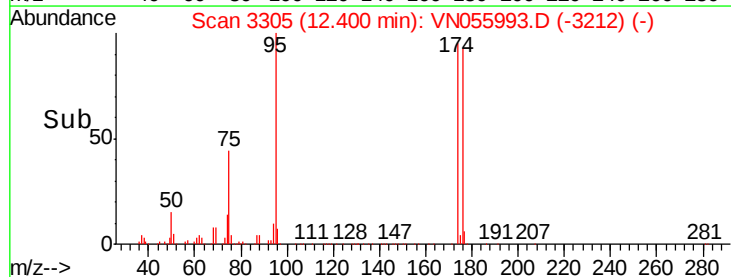
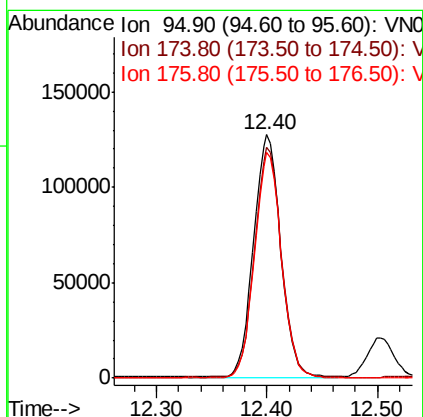
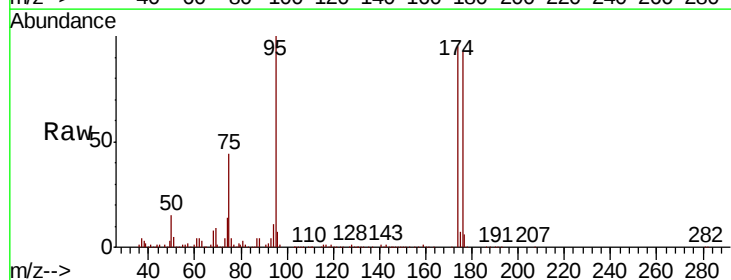
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

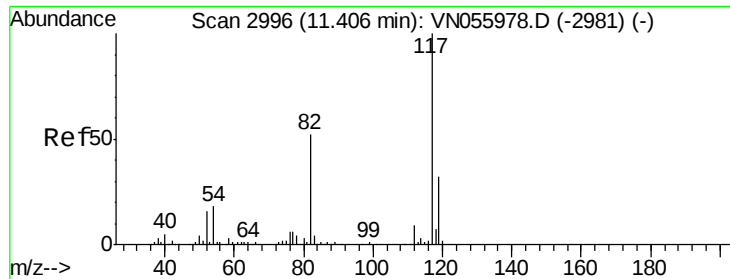
Tot Ion:107 Resp: 175217
Ion Ratio Lower Upper
107 100
109 95.6 74.8 112.2



#62
4-Bromofluorobenzene
Concen: 52.172 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 95 Resp: 216121
Ion Ratio Lower Upper
95 100
174 94.3 0.0 191.0
176 92.4 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

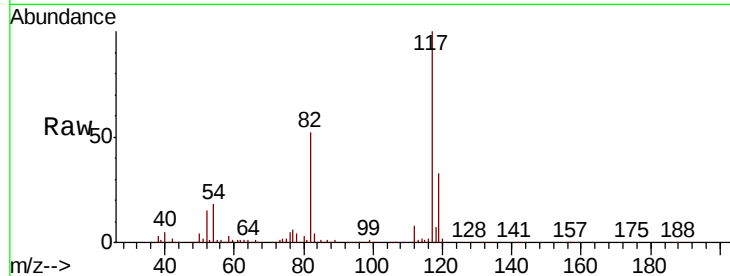
Tot Ion:117 Resp: 466874

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

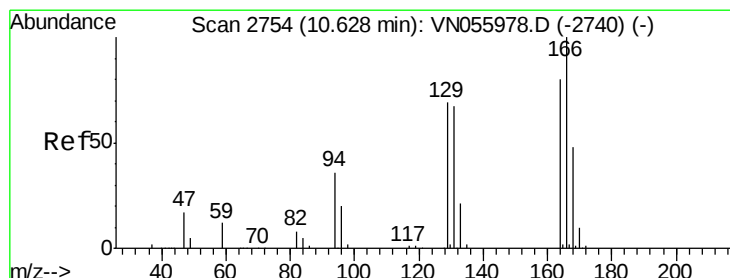
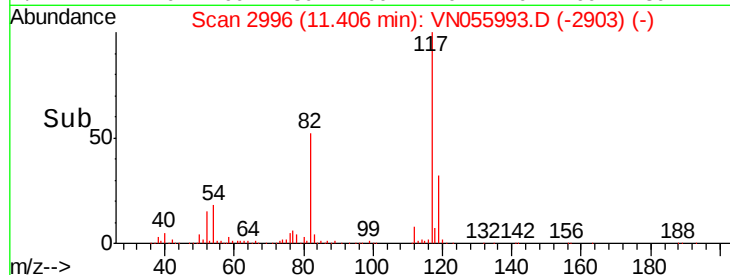
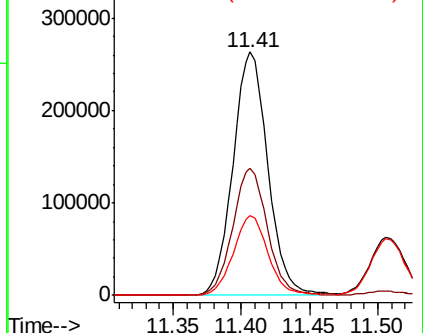
119 32.8 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.752 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion:164 Resp: 188939

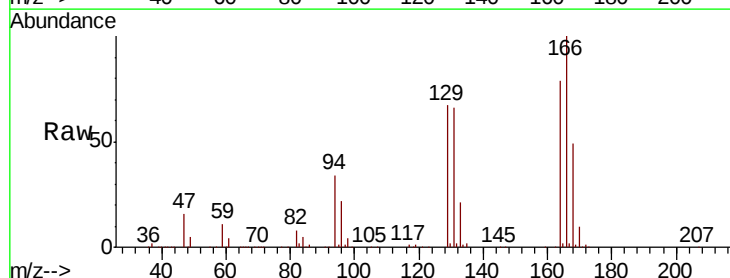
Ion Ratio Lower Upper

164 100

166 126.2 103.0 154.6

129 84.4 70.6 105.8

131 82.5 68.6 102.8

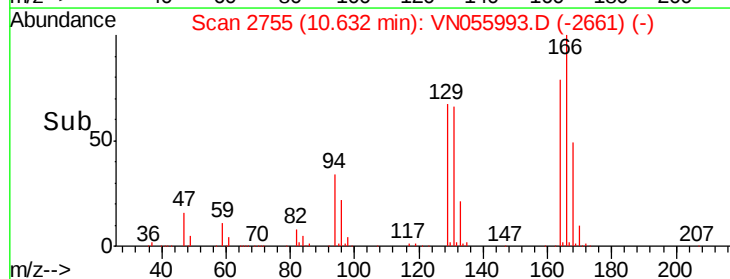
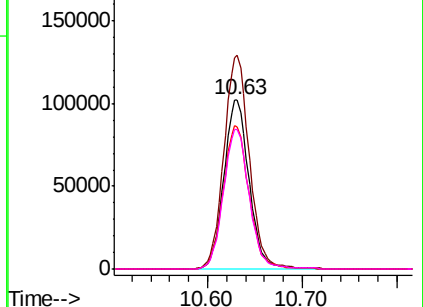


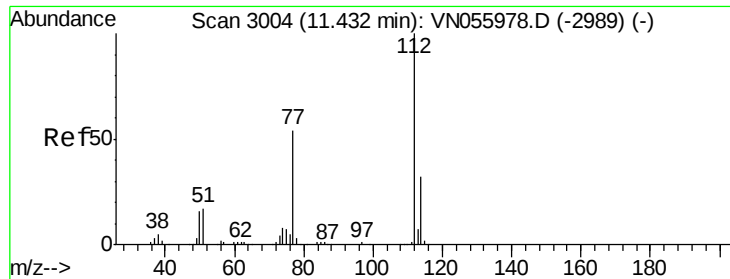
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.010 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

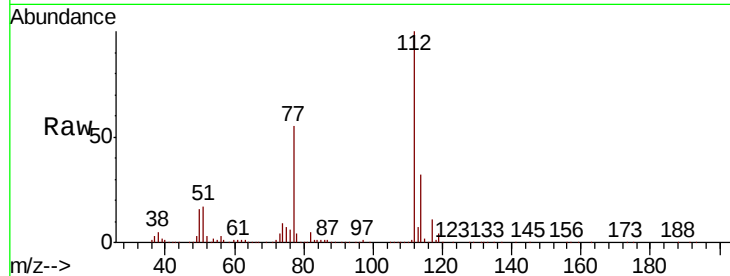
VSTDCCC050EC

Tot Ion:112 Resp: 455391

Ion Ratio Lower Upper

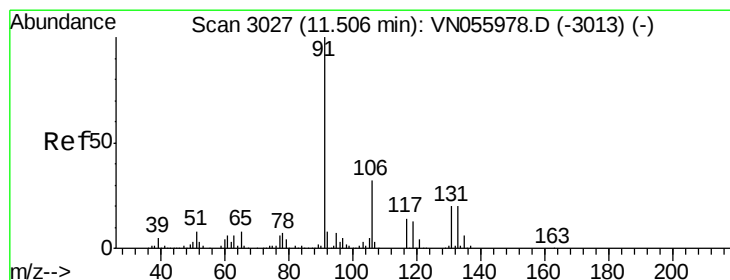
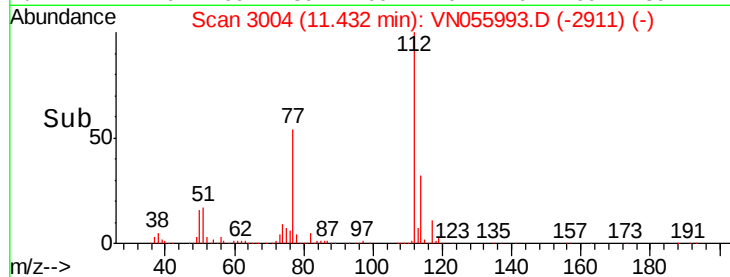
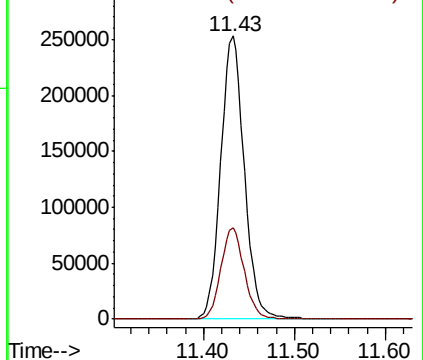
112 100

114 32.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.581 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

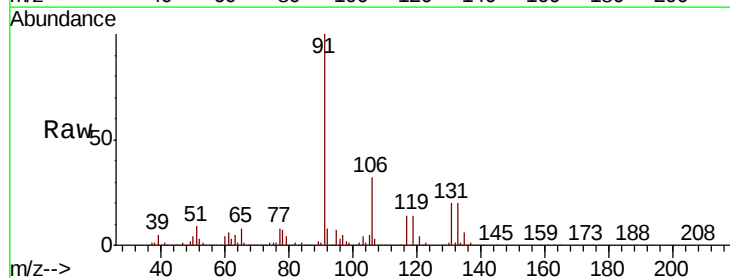
Tgt Ion:131 Resp: 162281

Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.0

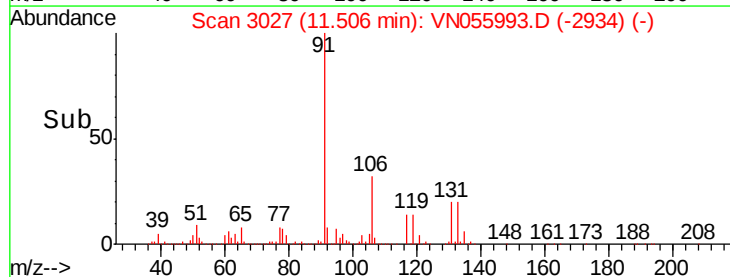
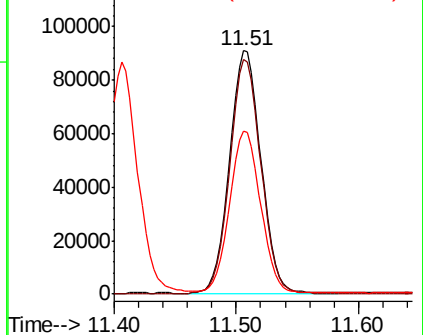
119 66.4 33.1 99.5

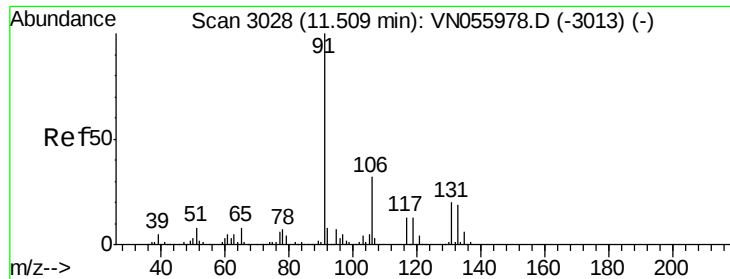


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

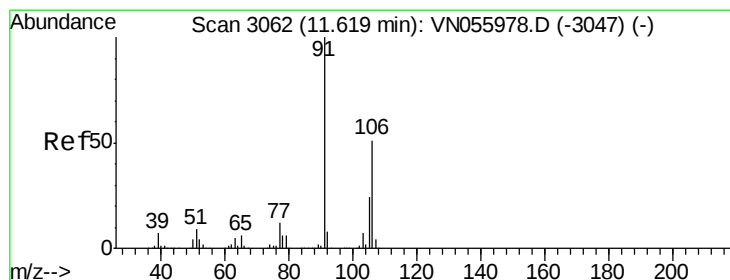
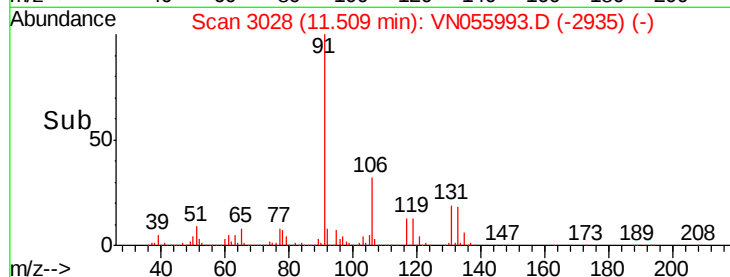
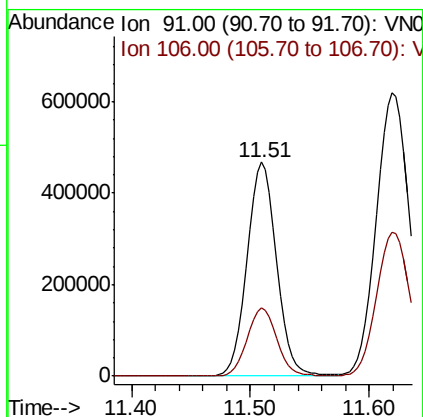
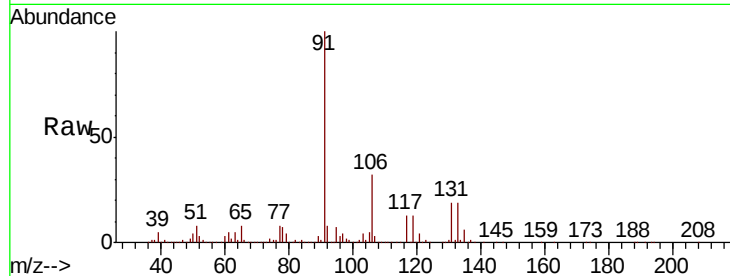




#67
Ethyl Benzene
Concen: 49.648 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

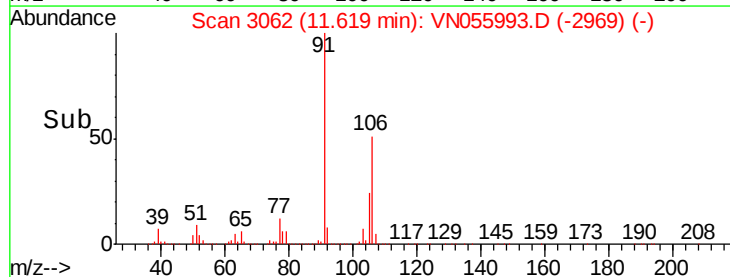
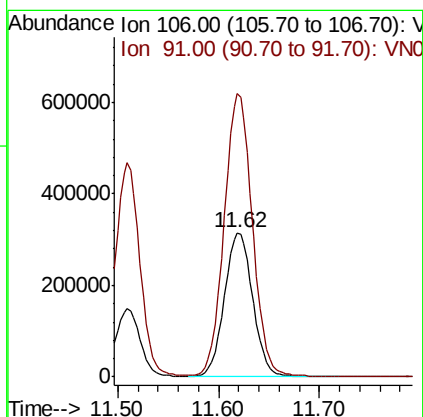
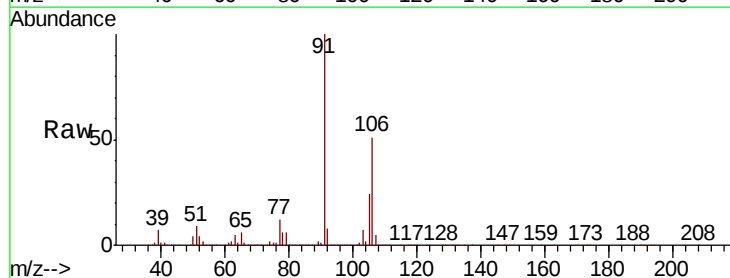
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

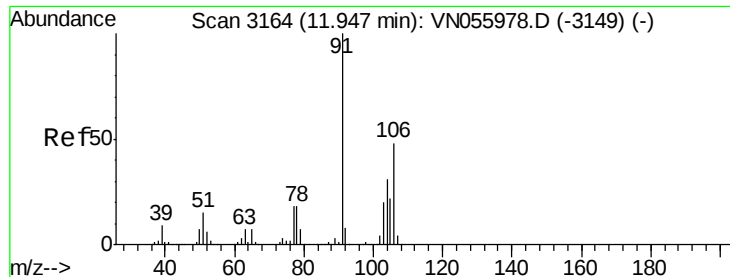
Tot Ion: 91 Resp: 802152
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 99.896 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 106 Resp: 616565
Ion Ratio Lower Upper
106 100
91 195.9 159.3 238.9

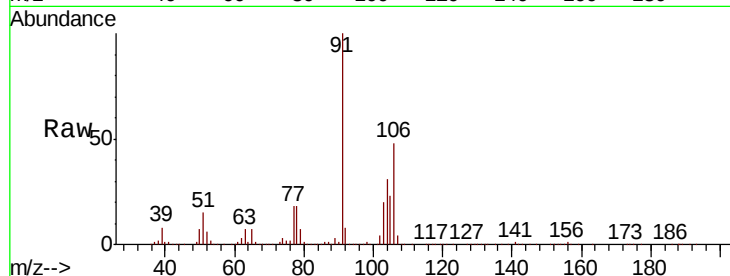




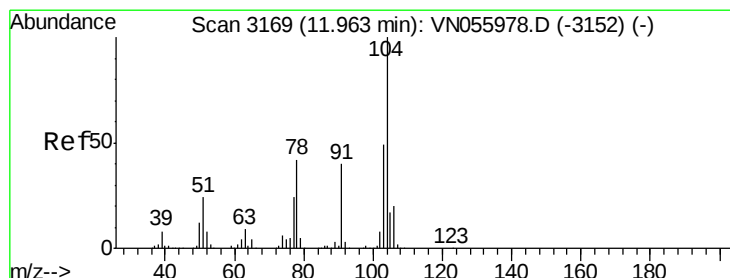
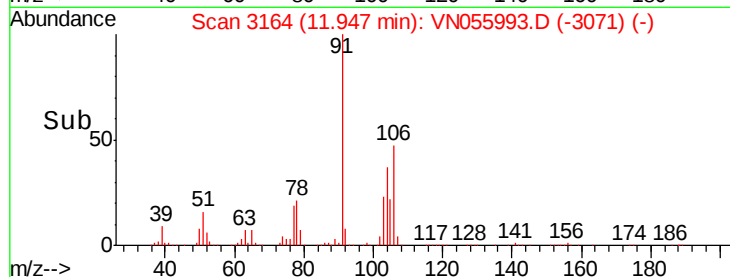
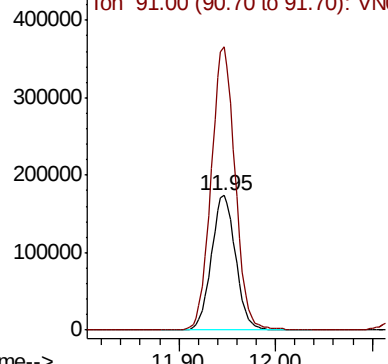
#69
o-Xylene
Concen: 49.472 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 300356
Ion Ratio Lower Upper
106 100
91 207.7 104.7 314.1

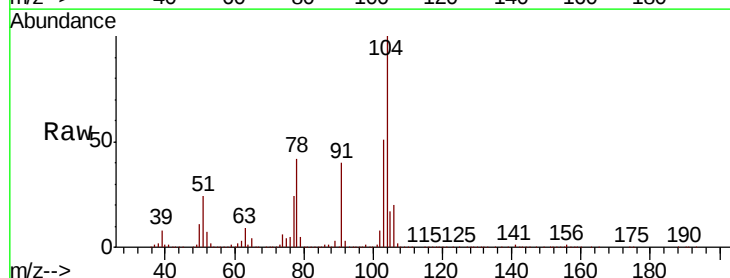


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

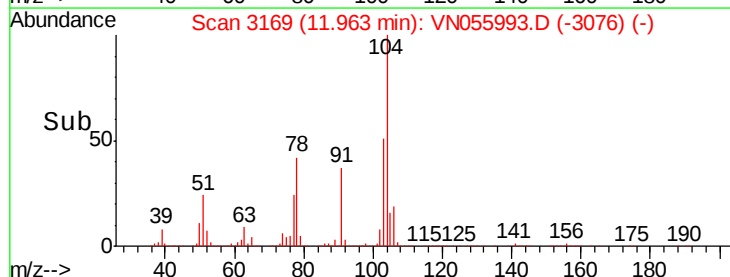
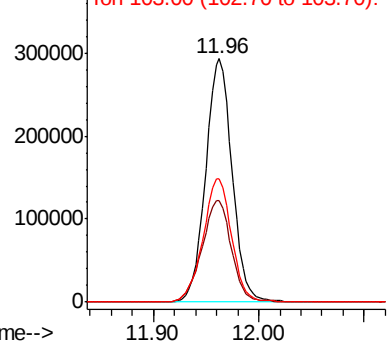


#70
Styrene
Concen: 52.465 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion:104 Resp: 506099
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 55.1 44.2 66.2



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

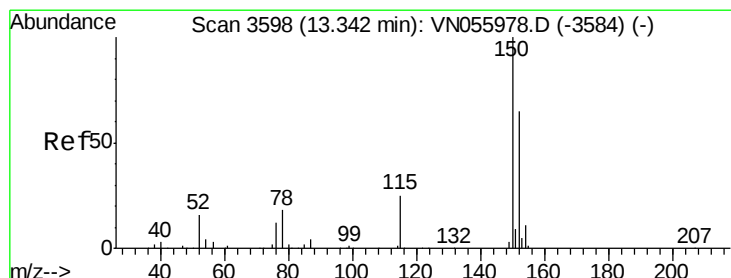
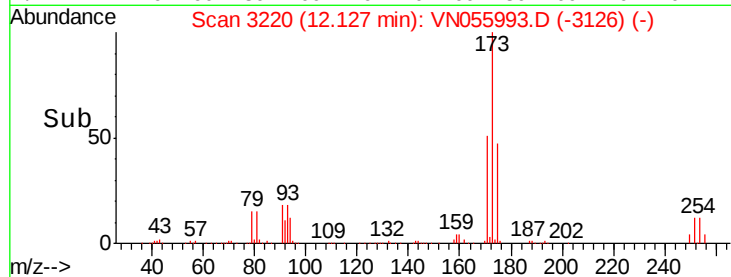
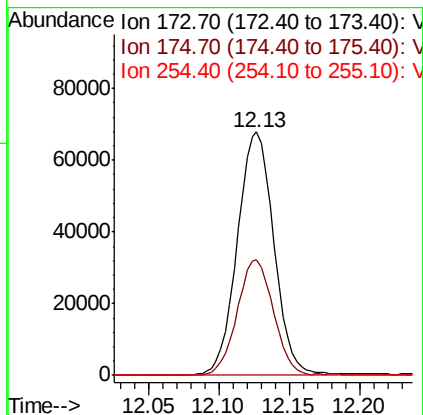
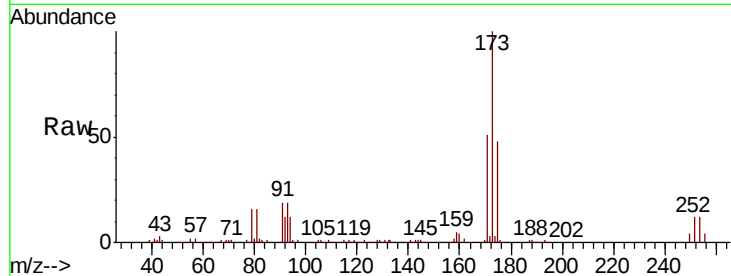




#71
Bromoform
Concen: 45.673 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

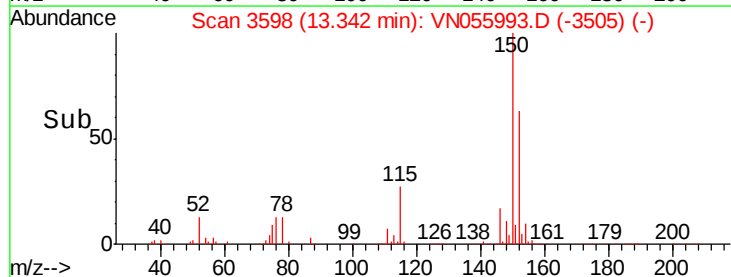
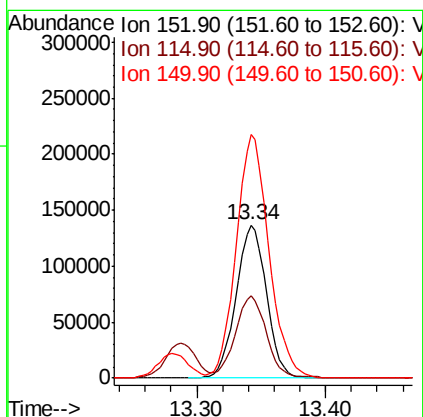
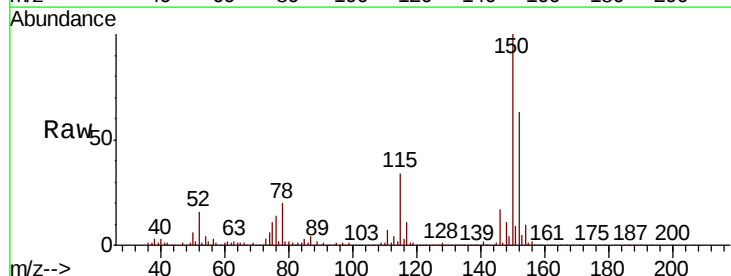
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

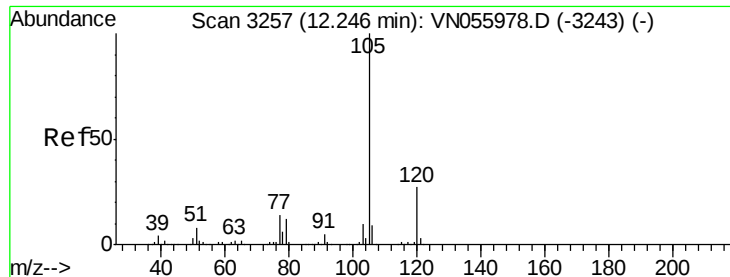
Tot Ion:173 Resp: 122348
Ion Ratio Lower Upper
173 100
175 47.6 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion:152 Resp: 221103
Ion Ratio Lower Upper
152 100
115 54.1 27.0 81.0
150 172.9 0.0 343.2





#73

Isopropylbenzene

Concen: 50.474 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

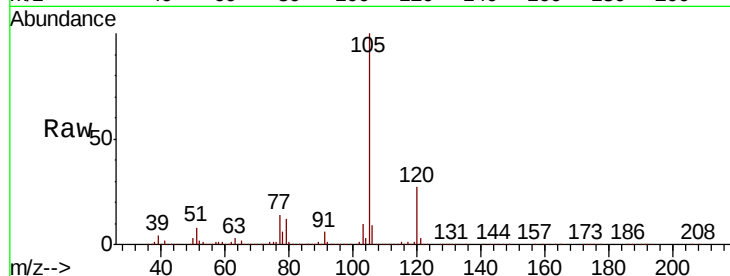
VSTDCCC050EC

Tot Ion:105 Resp: 795116

Ion Ratio Lower Upper

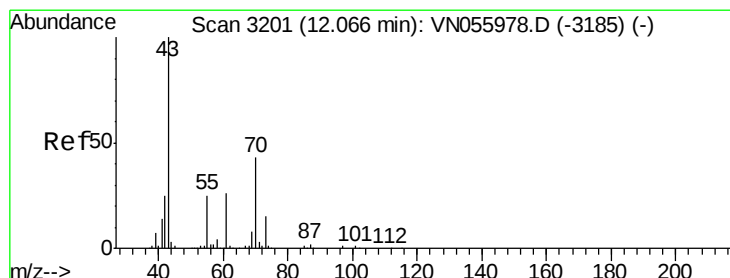
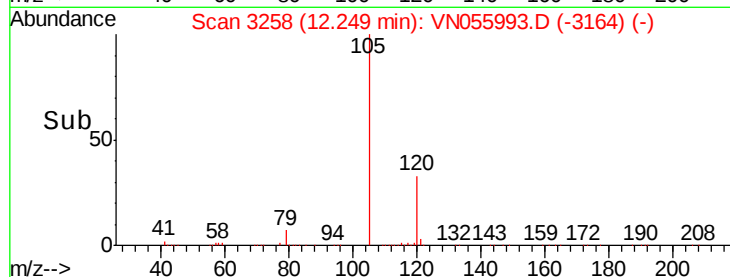
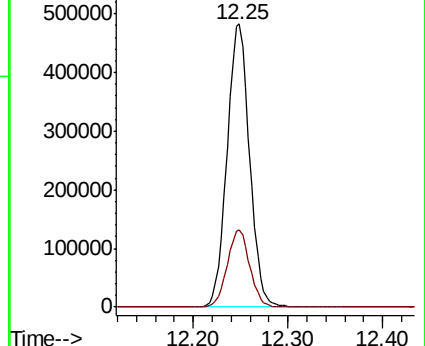
105 100

120 27.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.654 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion: 43 Resp: 286761

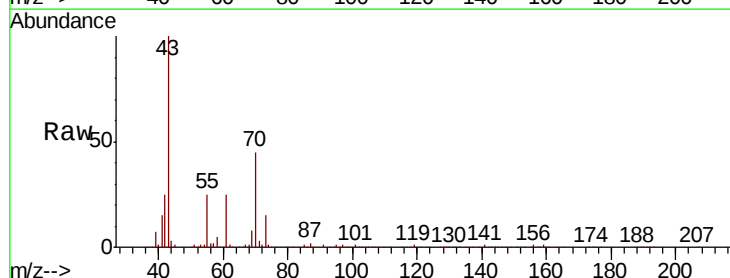
Ion Ratio Lower Upper

43 100

70 44.7 34.0 51.0

55 24.4 18.6 28.0

61 25.7 20.0 30.0

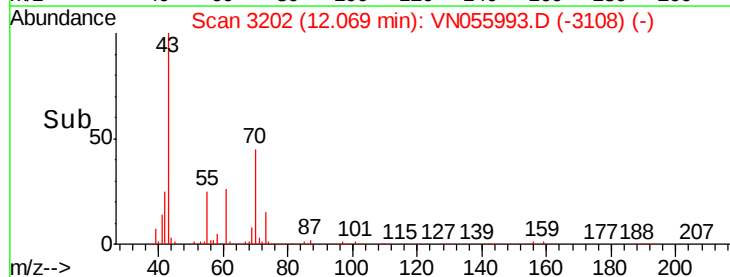
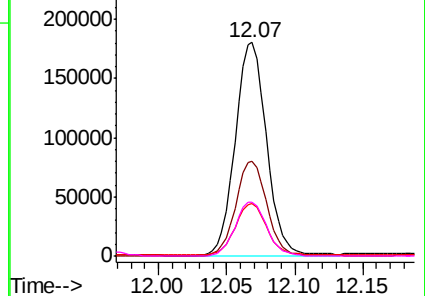


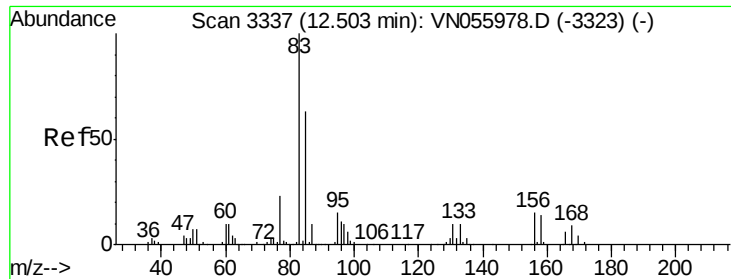
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.187 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

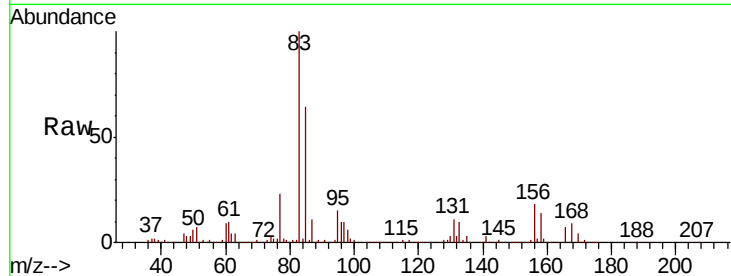
Tot Ion: 83 Resp: 231932

Ion Ratio Lower Upper

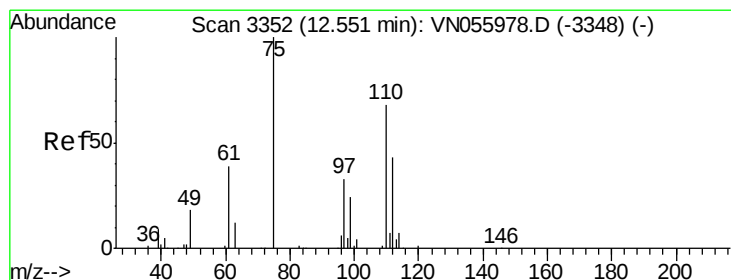
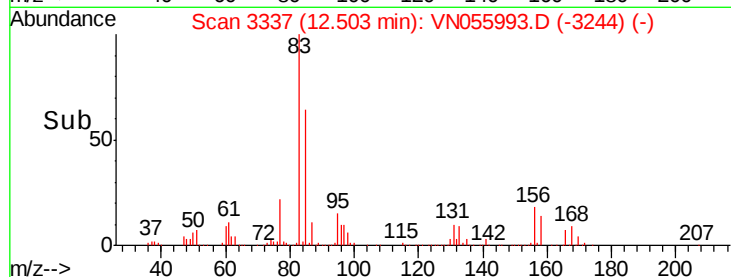
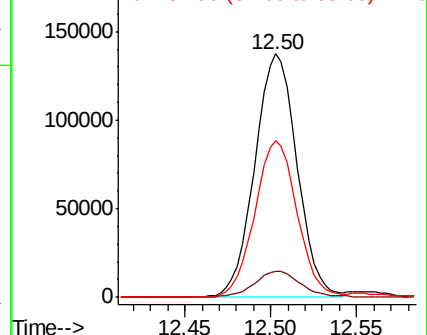
83 100

131 11.0 5.4 16.2

85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 67.877 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055993.D

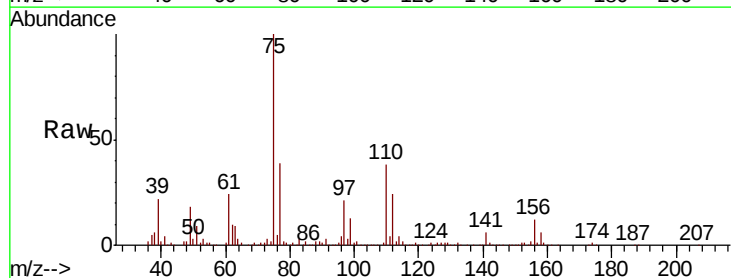
Acq: 4 Jun 2019 16:05

Tgt Ion: 75 Resp: 276152

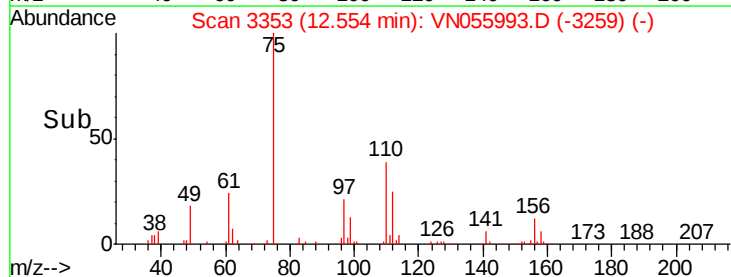
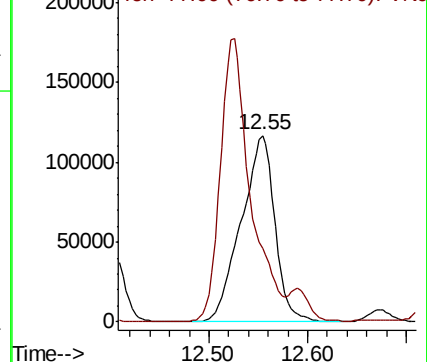
Ion Ratio Lower Upper

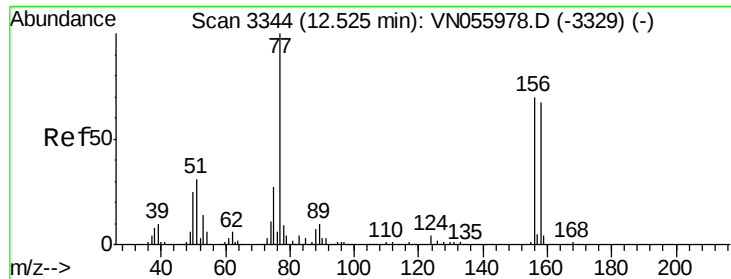
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 55.632 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

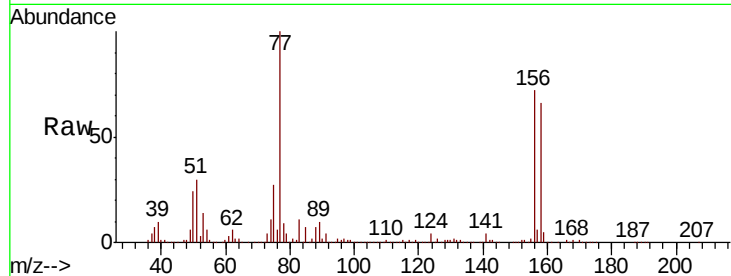
Tot Ion:156 Resp: 263348

Ion Ratio Lower Upper

156 100

77 143.3 90.8 272.5

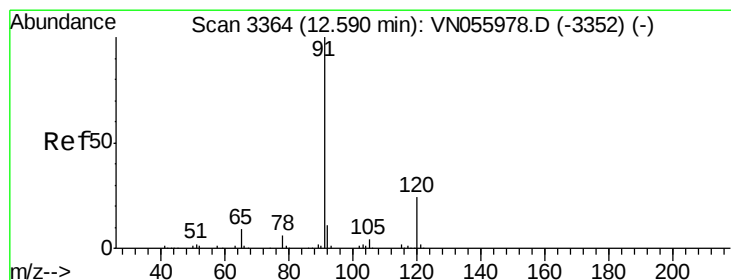
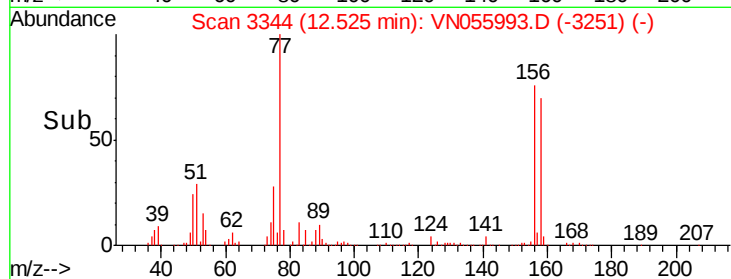
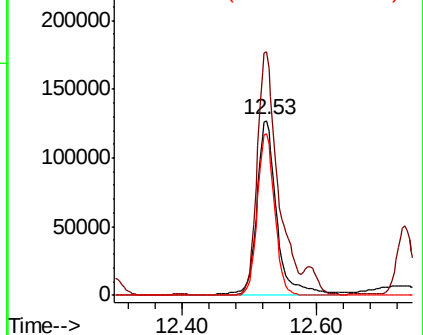
158 79.4 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.479 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055993.D

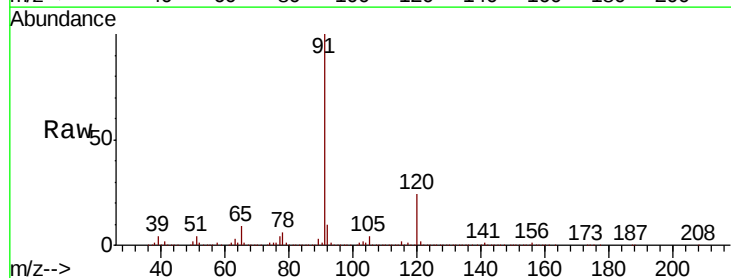
Acq: 4 Jun 2019 16:05

Tgt Ion: 91 Resp: 869399

Ion Ratio Lower Upper

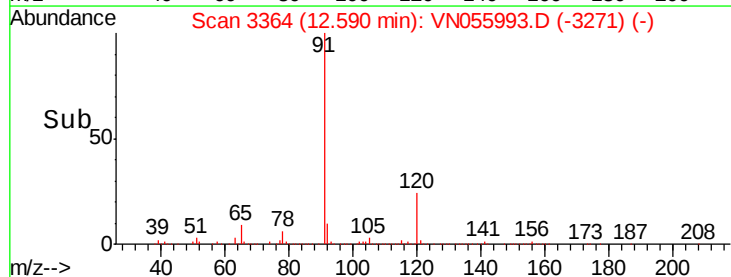
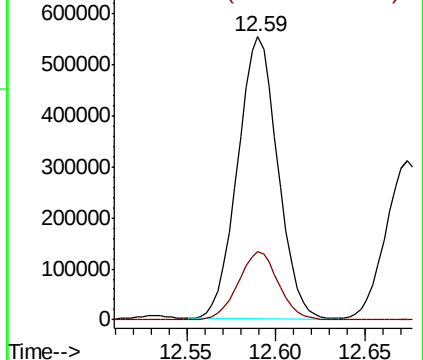
91 100

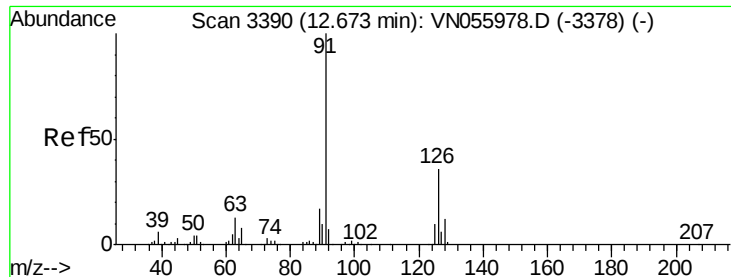
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.748 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

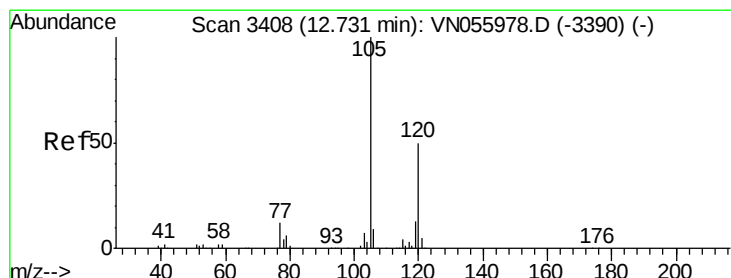
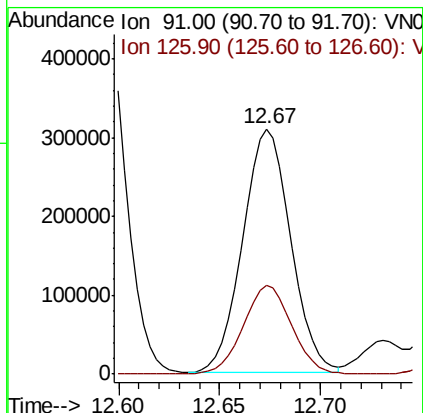
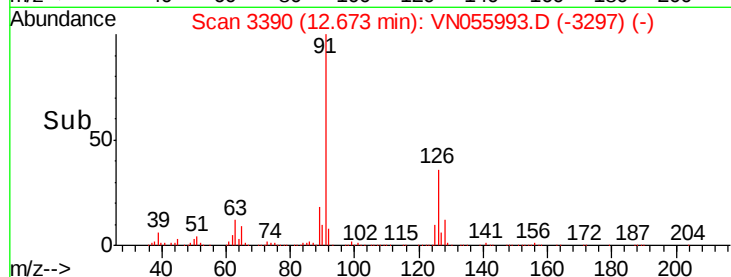
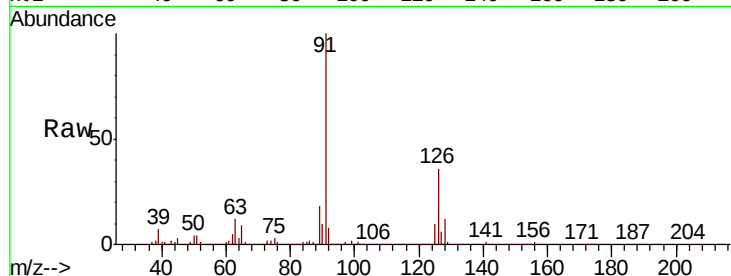
VSTDCCC050EC

Tot Ion: 91 Resp: 516266

Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 44.994 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055993.D

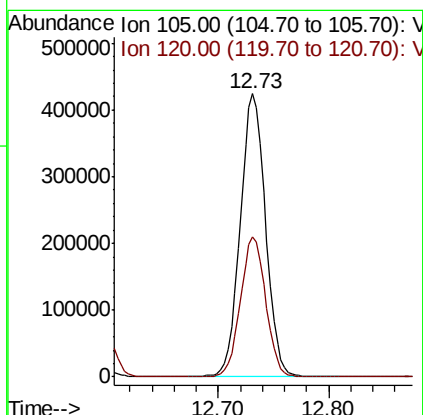
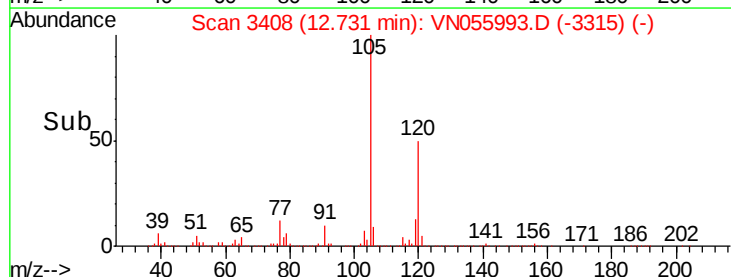
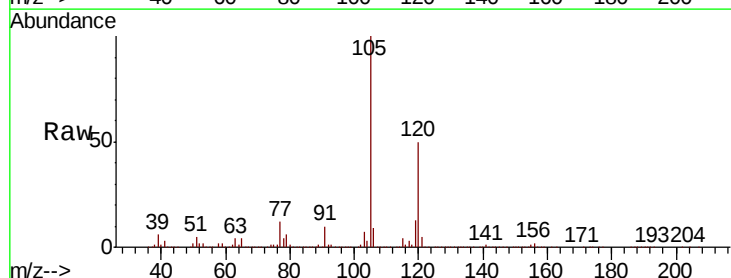
Acq: 4 Jun 2019 16:05

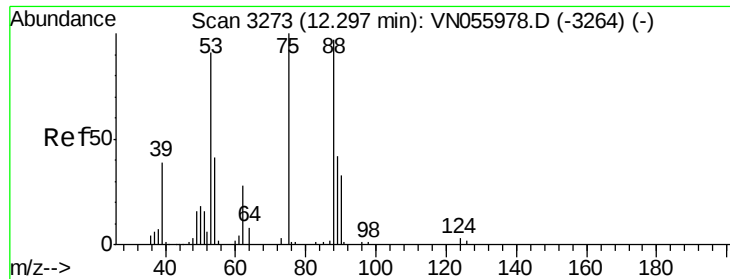
Tgt Ion: 105 Resp: 668890

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1

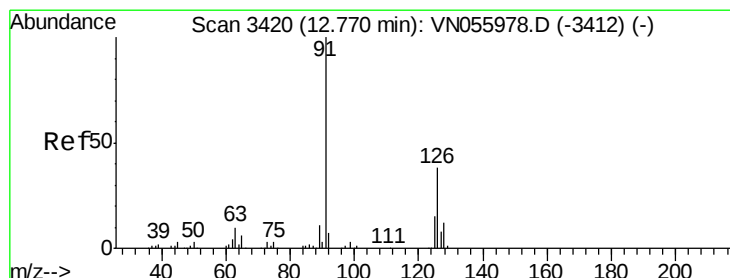
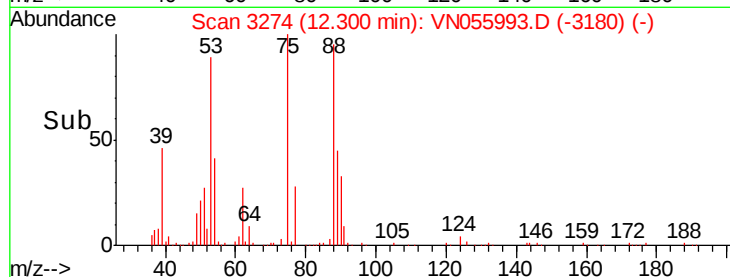
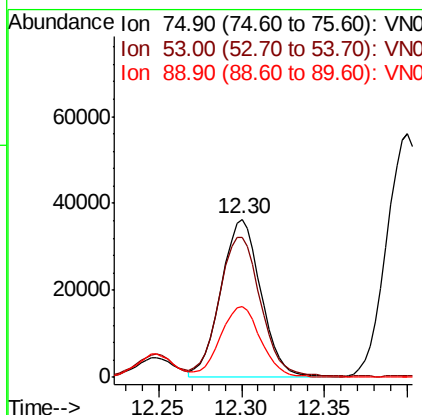
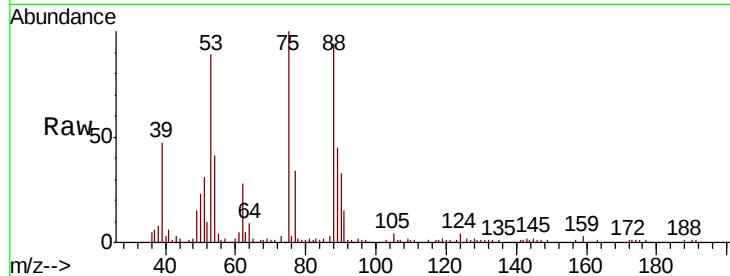




#81
trans-1,4-Dichloro-2-butene
Concen: 50.095 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

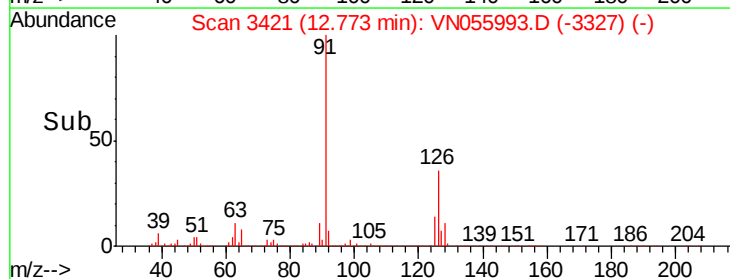
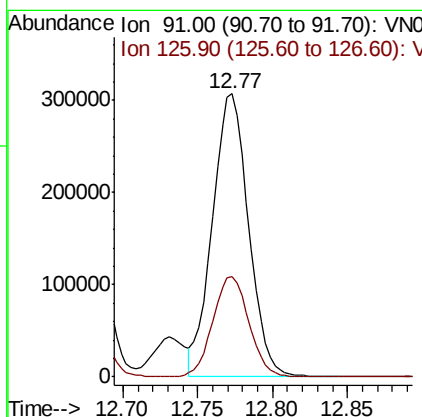
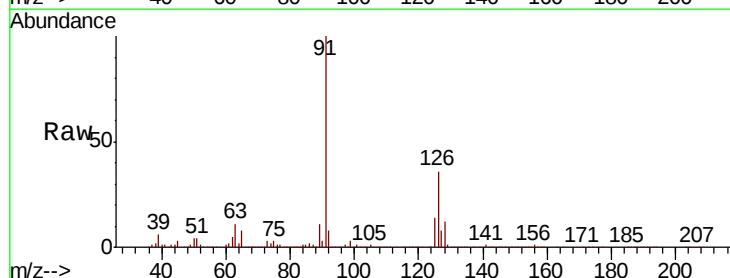
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

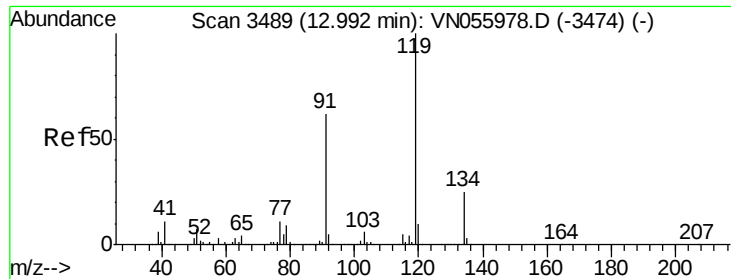
Tot Ion: 75 Resp: 61199
Ion Ratio Lower Upper
75 100
53 90.6 68.1 102.1
89 45.2 36.9 55.3



#82
4-Chlorotoluene
Concen: 46.784 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 91 Resp: 511969
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.3

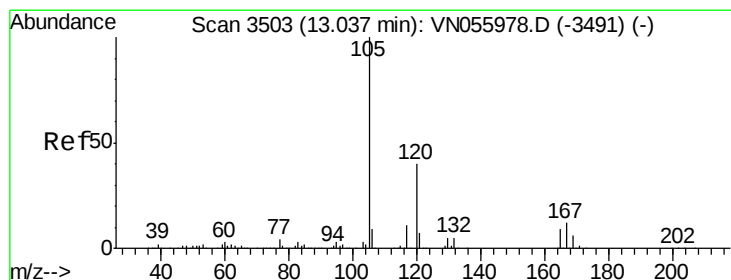
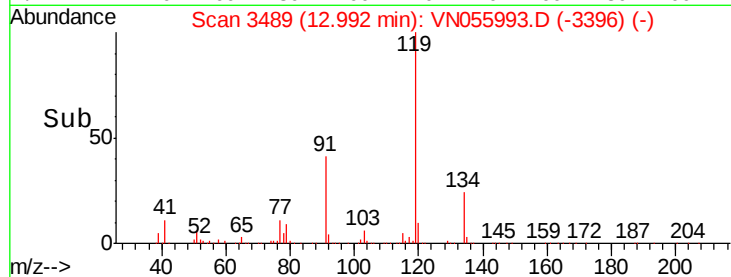
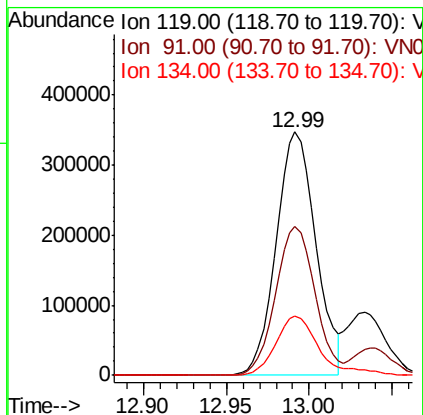
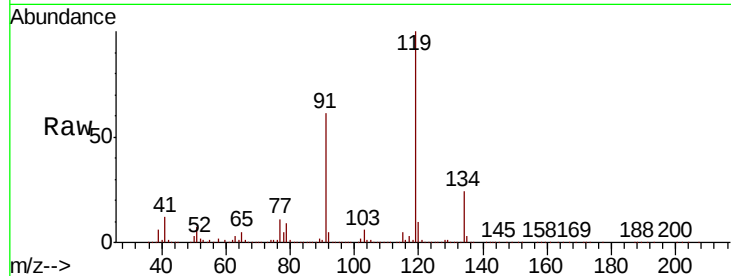




#83
tert-Butylbenzene
Concen: 50.121 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

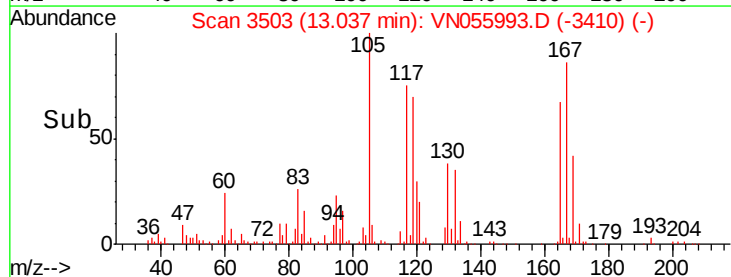
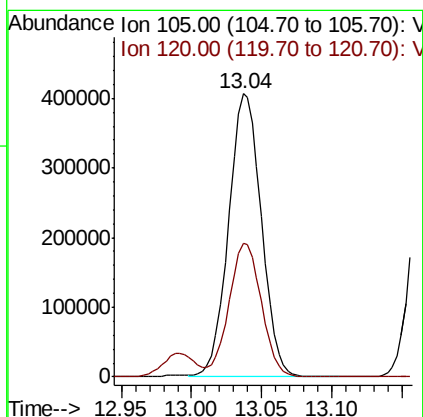
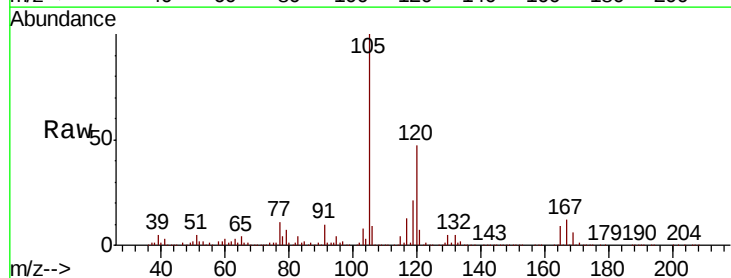
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

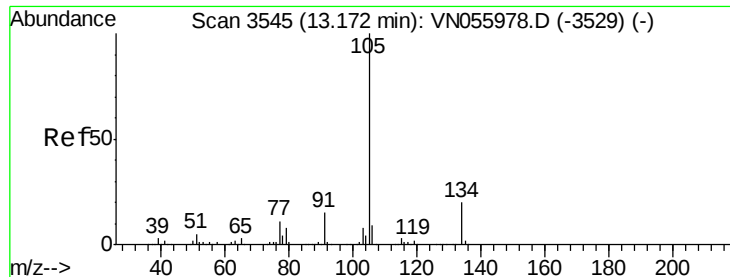
Tot Ion:119 Resp: 578043
Ion Ratio Lower Upper
119 100
91 60.7 30.9 92.8
134 26.7 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 46.569 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion:105 Resp: 656506
Ion Ratio Lower Upper
105 100
120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 45.540 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

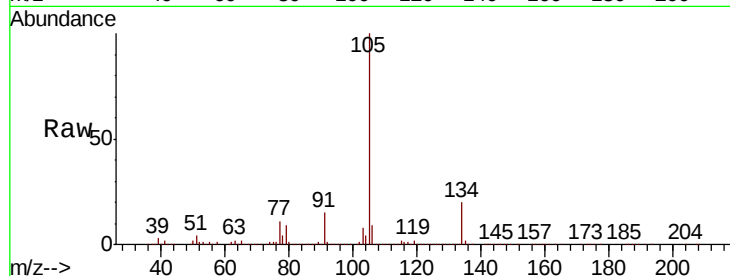
VSTDCCC050EC

Tot Ion:105 Resp: 754376

Ion Ratio Lower Upper

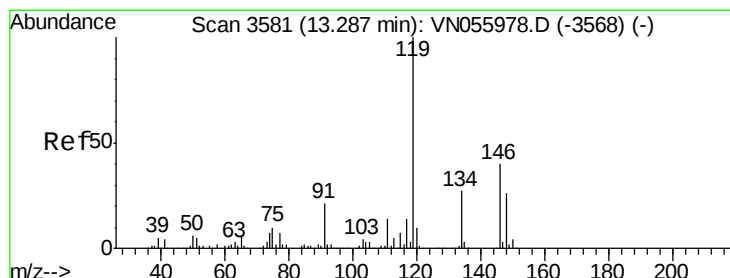
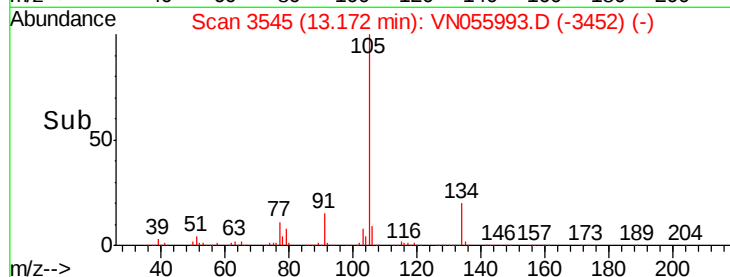
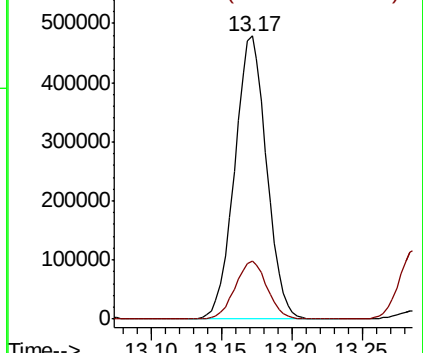
105 100

134 20.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.238 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

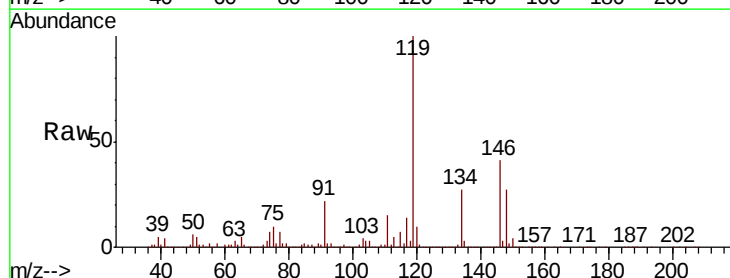
Tgt Ion:119 Resp: 700317

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

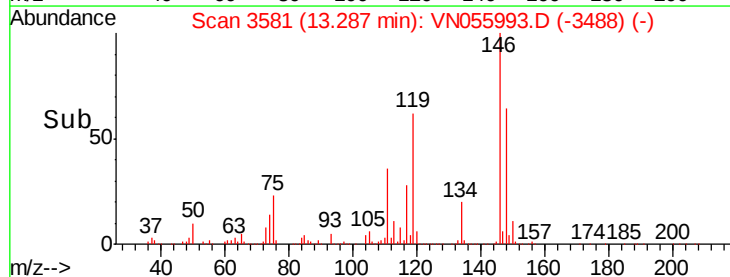
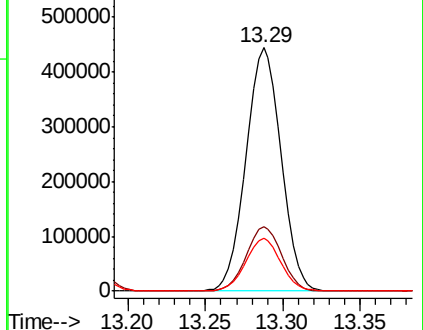
91 21.2 10.9 32.9

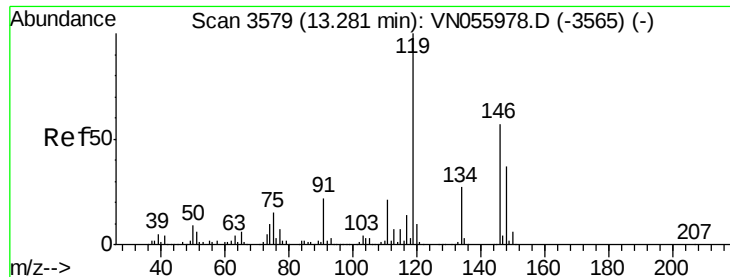


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

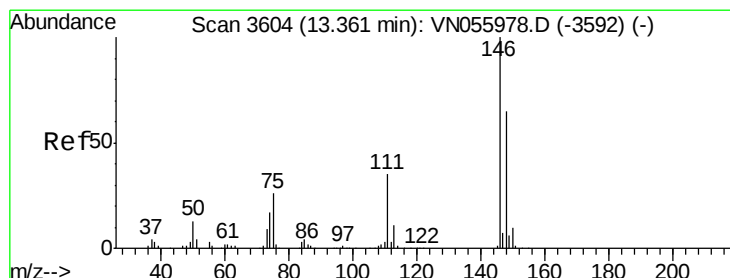
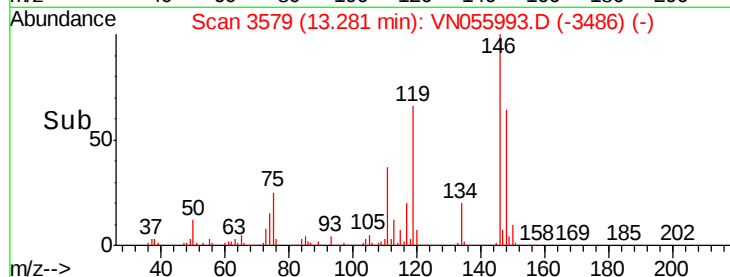
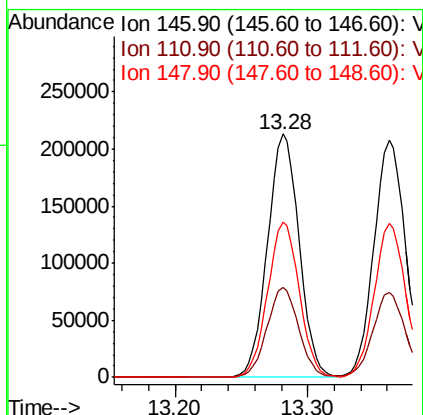
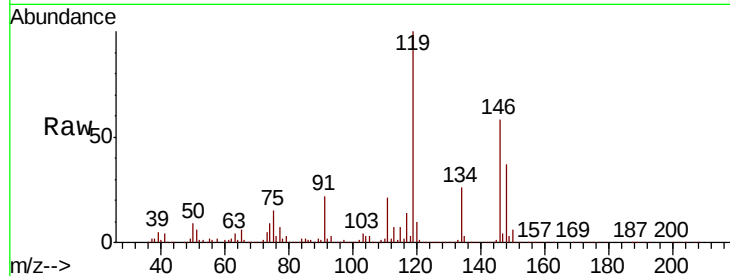




#87
 1,3-Dichlorobenzene
 Concen: 48.423 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

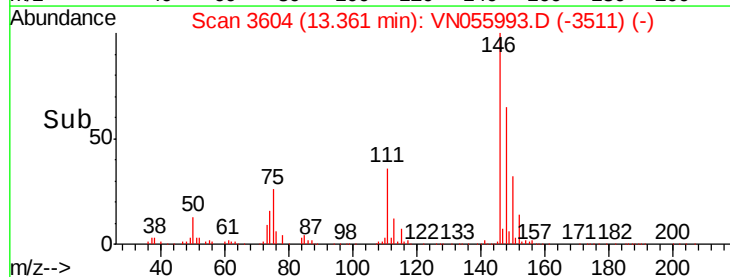
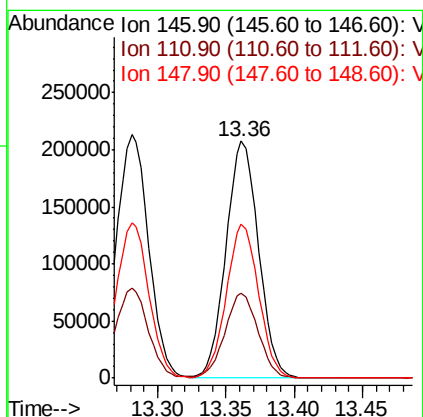
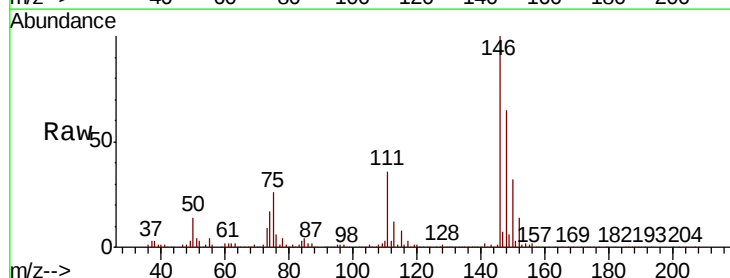
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

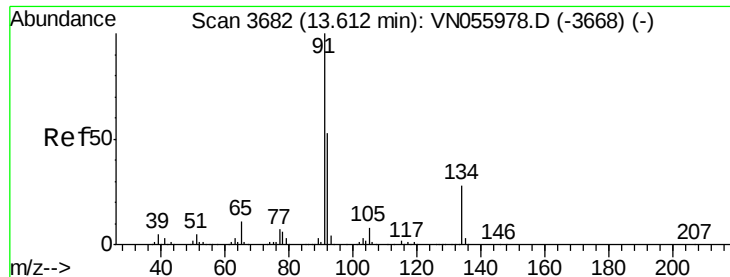
Tot Ion:146 Resp: 354773
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.5 55.5
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.678 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion:146 Resp: 343071
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.4
 148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 52.002 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

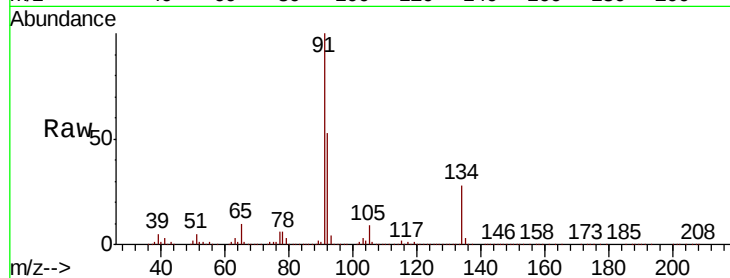
Tot Ion: 91 Resp: 571106

Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.0

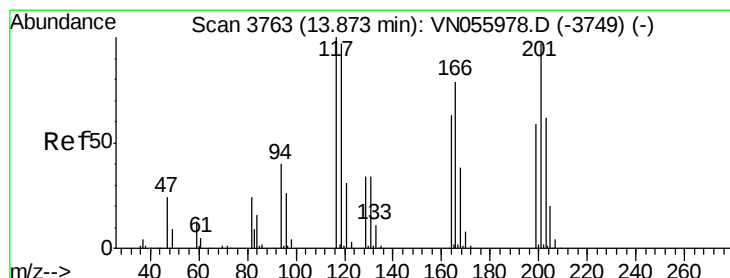
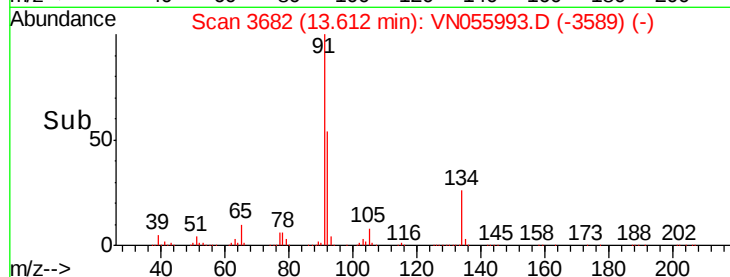
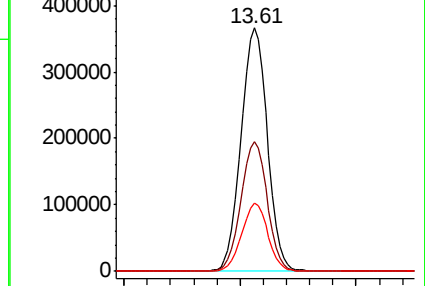
134 28.0 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90

Hexachloroethane

Concen: 45.586 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055993.D

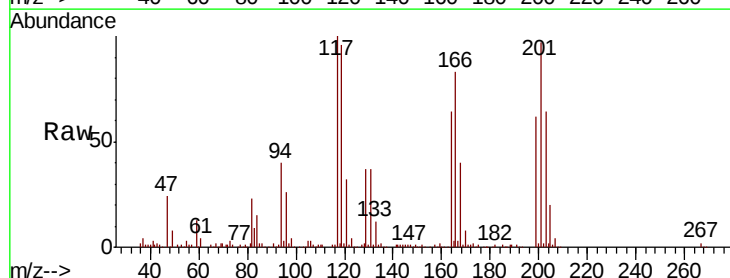
Acq: 4 Jun 2019 16:05

Tgt Ion: 117 Resp: 101920

Ion Ratio Lower Upper

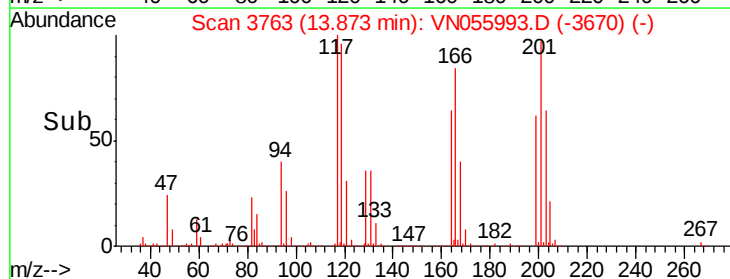
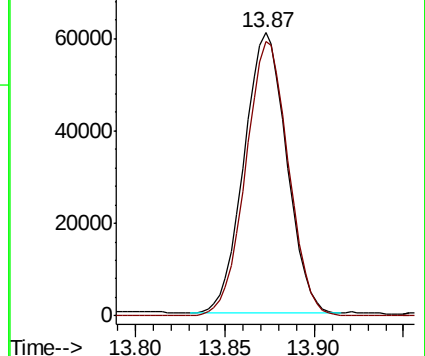
117 100

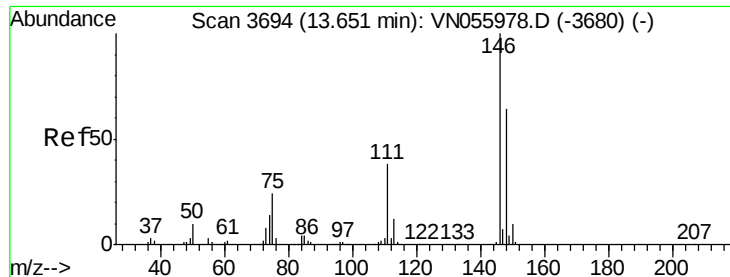
201 97.4 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 47.355 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

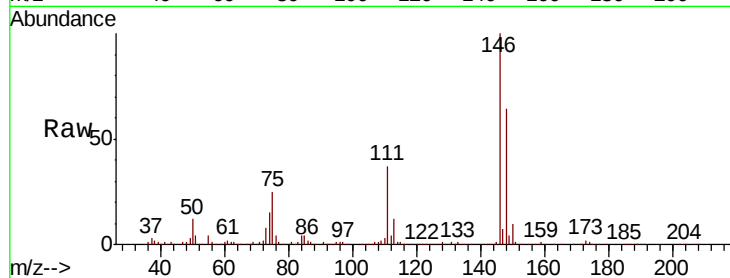
Tot Ion:146 Resp: 350283

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.5

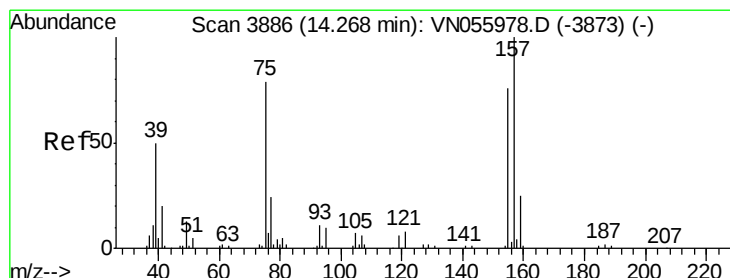
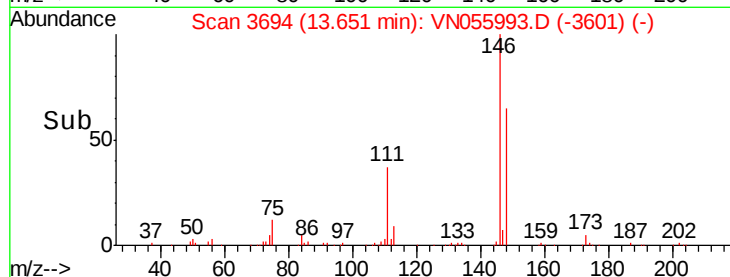
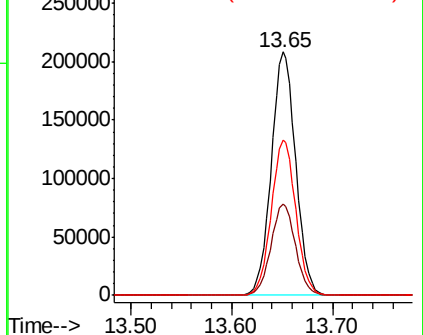
148 64.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.286 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

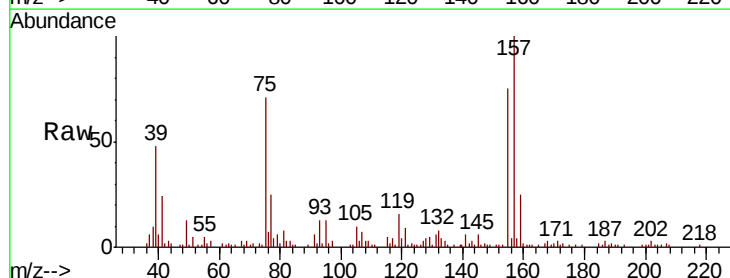
Tgt Ion: 75 Resp: 37651

Ion Ratio Lower Upper

75 100

155 108.1 50.0 150.1

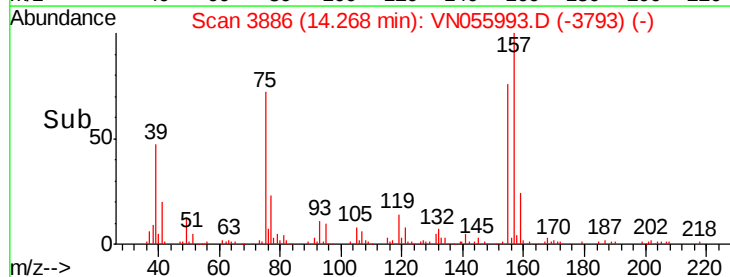
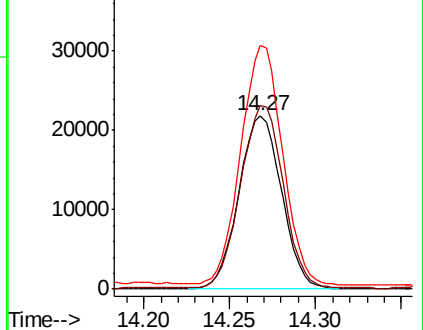
157 136.0 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

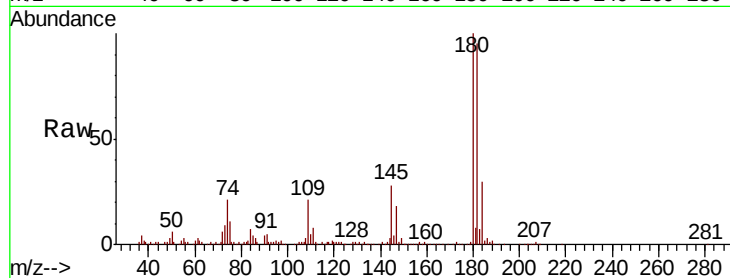




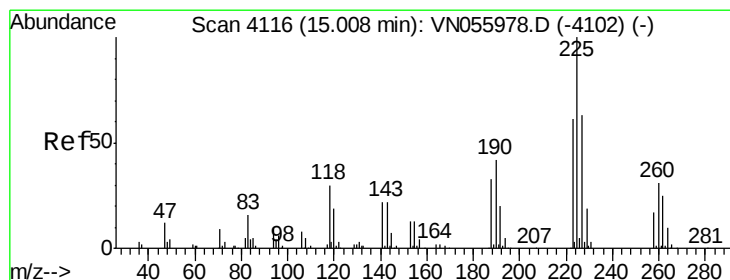
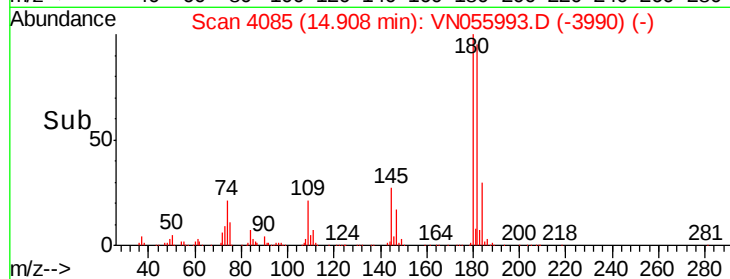
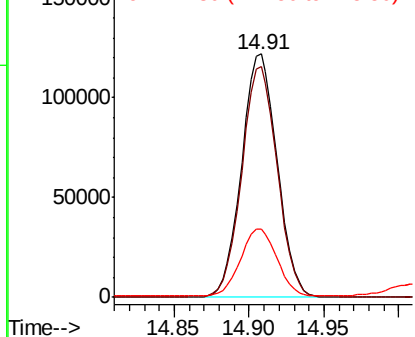
#93
 1,2,4-Trichlorobenzene
 Concen: 49.517 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 201654
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.3 144.9
 145 27.8 14.0 41.9

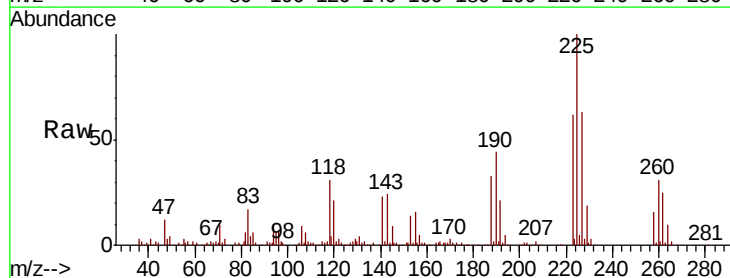


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

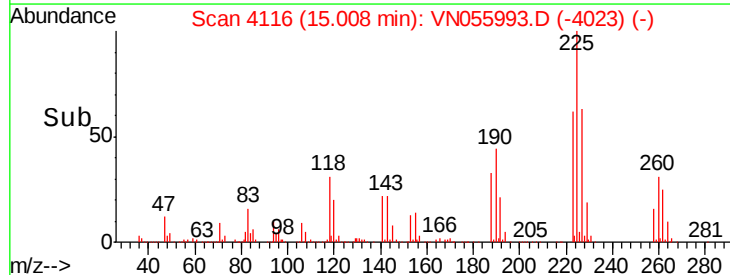
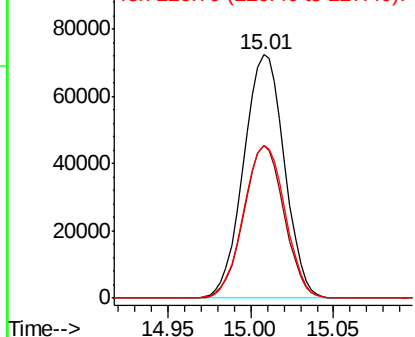


#94
 Hexachlorobutadiene
 Concen: 48.663 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion:225 Resp: 123600
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.7
 227 64.1 31.6 94.7



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





#95

Naphthalene

Concen: 52.058 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

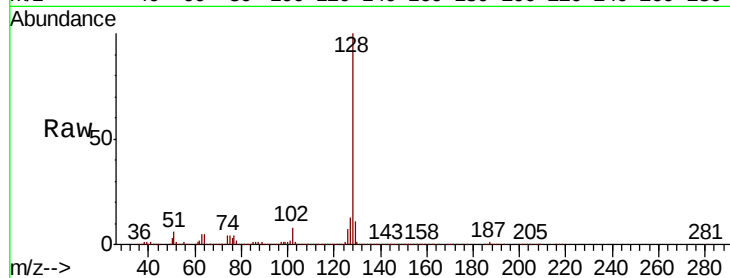
Tot Ion:128 Resp: 552350

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

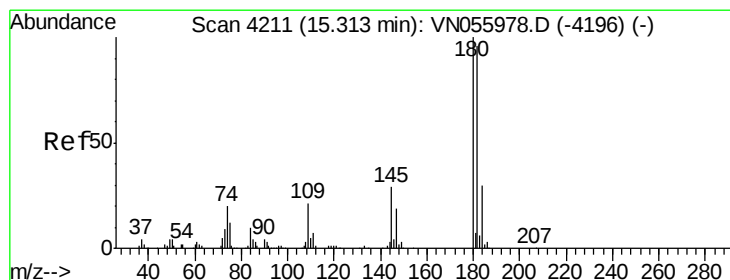
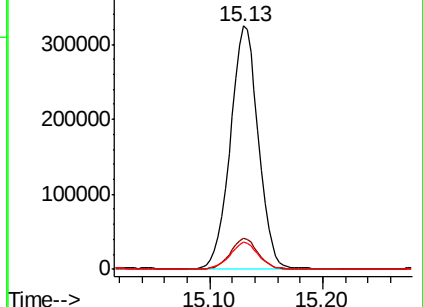
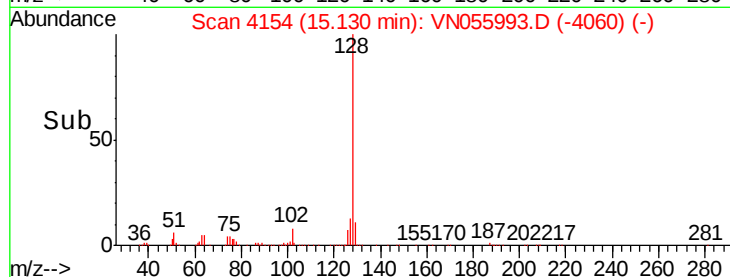
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.700 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

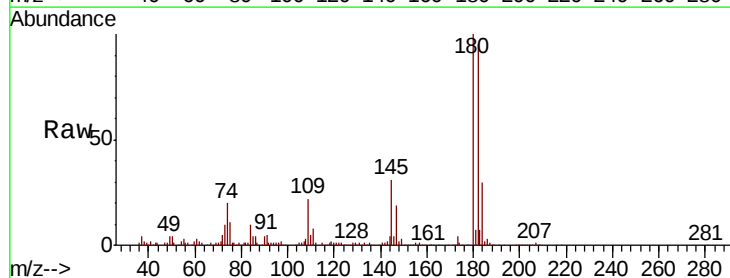
Tgt Ion:180 Resp: 206381

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 31.5 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

