

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055032.D
 Acq On : 13 Apr 2019 16:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 14 03:25:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	418626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	680109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	259558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	273887	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	220075	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.09	98	817484	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.40	95	273741	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	234900	50.871	ug/l	99
3) Chloromethane	2.06	50	305041	49.262	ug/l	97
4) Vinyl Chloride	2.19	62	249759	49.706	ug/l	99
5) Bromomethane	2.54	94	132609	45.590	ug/l	98
6) Chloroethane	2.69	64	134816	48.652	ug/l	96
7) Trichlorofluoromethane	3.01	101	311993	49.500	ug/l	100
8) Diethyl Ether	3.41	74	100973	50.940	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	157980	48.056	ug/l	100
10) Methyl Iodide	3.94	142	240536	50.734	ug/l	98
11) Tert butyl alcohol	4.83	59	86159	266.522	ug/l #	92
12) 1,1-Dichloroethene	3.72	96	155787	48.132	ug/l	98
13) Acrolein	3.60	56	94928	243.277	ug/l	98
14) Allyl chloride	4.31	41	408050	51.598	ug/l	99
15) Acrylonitrile	5.00	53	501890	281.482	ug/l	99
16) Acetone	3.82	43	339151	234.999	ug/l	99
17) Carbon Disulfide	4.03	76	480426	45.572	ug/l	100
18) Methyl Acetate	4.33	43	236886	52.951	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	625771	54.112	ug/l	100
20) Methylene Chloride	4.54	84	243987	52.151	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	217428	50.994	ug/l	93
22) Diisopropyl ether	5.96	45	856540	53.419	ug/l	99
23) Vinyl Acetate	5.90	43	3151258	280.991	ug/l	100
24) 1,1-Dichloroethane	5.84	63	440537	50.870	ug/l	99
25) 2-Butanone	6.85	43	629122	283.038	ug/l	98
26) 2,2-Dichloropropane	6.82	77	271334	47.359	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	253455	51.169	ug/l	98
28) Bromochloromethane	7.19	49	212832	51.799	ug/l	100
29) Tetrahydrofuran	7.22	42	419504	287.903	ug/l	100
30) Chloroform	7.37	83	416519	50.438	ug/l	99
31) Cyclohexane	7.65	56	395360	49.377	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	338368	51.433	ug/l	99
36) 1,1-Dichloropropene	7.79	75	311751	49.598	ug/l	100
37) Ethyl Acetate	6.94	43	270485	57.322	ug/l	99
38) Carbon Tetrachloride	7.77	117	283687	47.948	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	321164	44.631	ug/l	100
40) Benzene	8.04	78	963886	50.722	ug/l	100
41) Methacrylonitrile	7.18	41	148436	51.123	ug/l	99
42) 1,2-Dichloroethane	8.12	62	330598	49.453	ug/l	99
43) Isopropyl Acetate	8.17	43	450065	55.780	ug/l	99
44) Trichloroethene	8.83	130	236523	48.703	ug/l	99
45) 1,2-Dichloropropane	9.12	63	267658	49.911	ug/l	100
46) Dibromomethane	9.21	93	154189	50.178	ug/l	96
47) Bromodichloromethane	9.40	83	319202	51.082	ug/l	99
48) Methyl methacrylate	9.20	41	225396	54.228	ug/l	100
49) 1,4-Dioxane	9.21	88	39678	887.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1340857	283.819	ug/l	98
52) Toluene	10.16	92	571072	50.812	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	307586	54.361	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	368788	52.910	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	213356	50.961	ug/l	97
56) Ethyl methacrylate	10.43	69	299981	55.683	ug/l	99
57) 1,3-Dichloropropane	10.71	76	379761	52.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	586600	242.889	ug/l	99
59) 2-Hexanone	10.75	43	839207	284.263	ug/l	99
60) Dibromochloromethane	10.90	129	224084	53.771	ug/l	99
61) 1,2-Dibromoethane	11.01	107	213003	53.139	ug/l	97
64) Tetrachloroethene	10.63	164	224531	47.863	ug/l	97
65) Chlorobenzene	11.43	112	597366	51.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	219871	51.595	ug/l	100
67) Ethyl Benzene	11.51	91	1076092	50.661	ug/l	100
68) m/p-Xylenes	11.62	106	803204	103.356	ug/l	99
69) o-Xylene	11.95	106	390514	50.788	ug/l	100
70) Styrene	11.96	104	651873	53.468	ug/l	99
71) Bromoform	12.13	173	142519	48.837	ug/l #	100
73) Isopropylbenzene	12.25	105	1015014	45.994	ug/l	99
74) N-amyl acetate	12.07	43	361356	54.325	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	276901	48.463	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	326773	68.431	ug/l #	100
77) Bromobenzene	12.53	156	253702	51.298	ug/l	98
78) n-propylbenzene	12.59	91	1120044	46.584	ug/l	100
79) 2-Chlorotoluene	12.67	91	696002	46.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	825562	45.953	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63223	54.647	ug/l	94
82) 4-Chlorotoluene	12.77	91	690647	48.079	ug/l	99
83) tert-Butylbenzene	12.99	119	690284	44.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	825716	47.933	ug/l	100
85) sec-Butylbenzene	13.17	105	875887	44.573	ug/l	99
86) p-Isopropyltoluene	13.29	119	774125	45.291	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	415375	47.115	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	399593	47.390	ug/l	99
89) n-Butylbenzene	13.61	91	615125	45.823	ug/l	99
90) Hexachloroethane	13.87	117	122162	43.253	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410889	48.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38919	52.384	ug/l	93

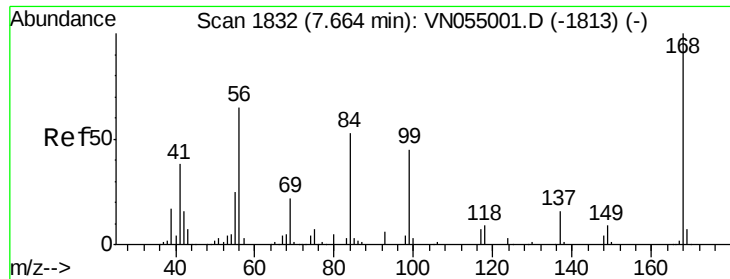
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	179467	42.770	ug/l	99
94) Hexachlorobutadiene	15.01	225	114494	44.616	ug/l	99
95) Naphthalene	15.13	128	448139	45.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185990	48.175	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

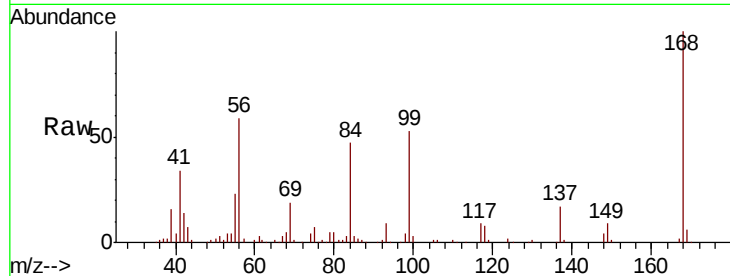
VSTDCCC050EC

Tot Ion:168 Resp: 418626

Ion Ratio Lower Upper

168 100

99 52.4 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

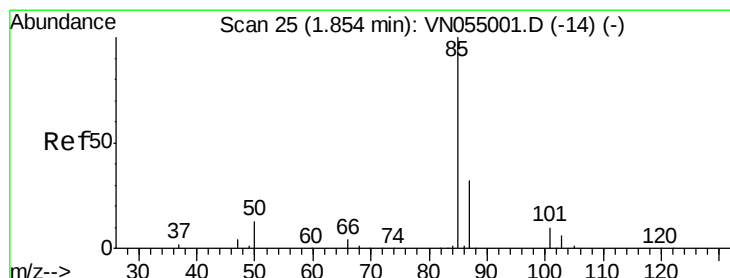
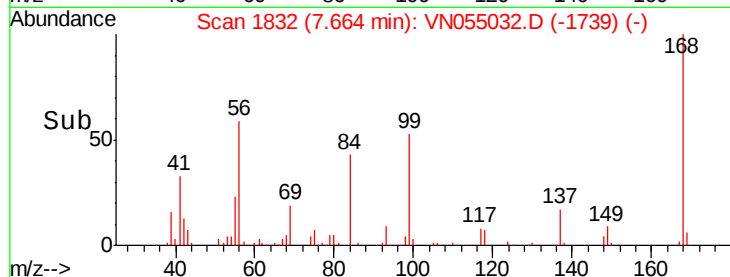
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.871 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055032.D

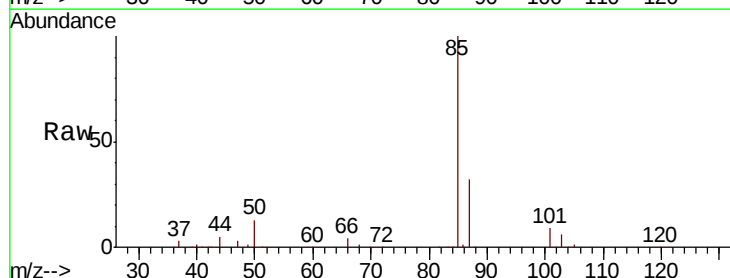
Acq: 13 Apr 2019 16:21

Tgt Ion: 85 Resp: 234900

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

100000

50000

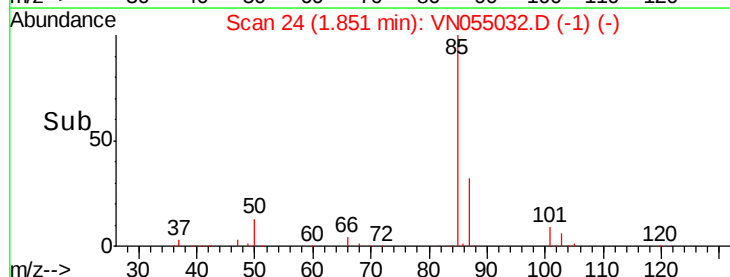
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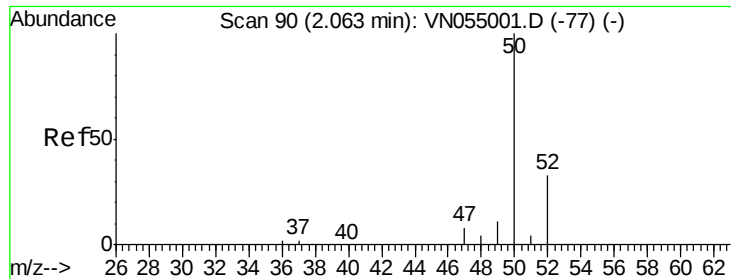
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 49.262 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

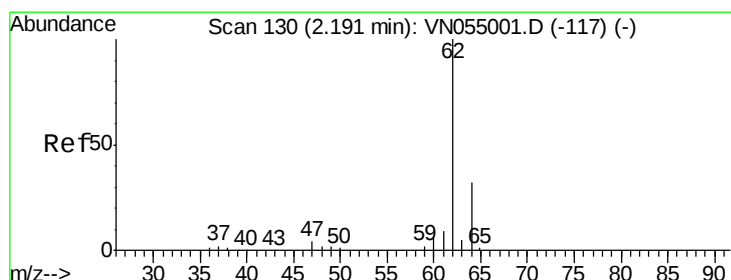
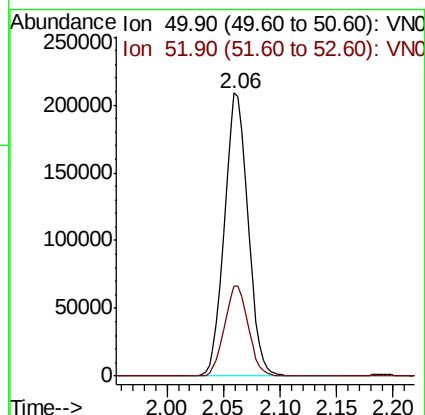
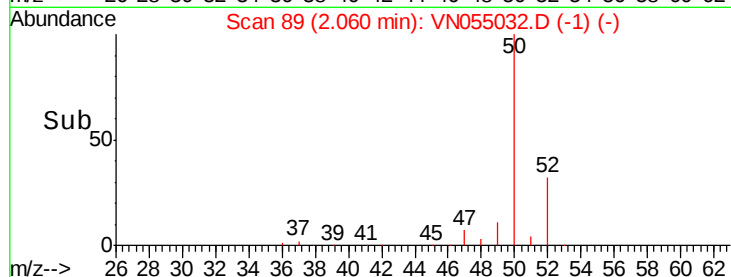
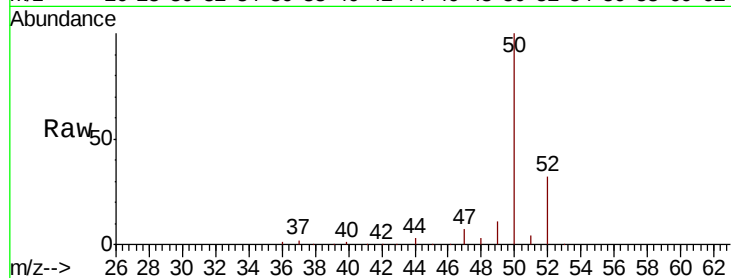
VSTDCCC050EC

Tot Ion: 50 Resp: 305041

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 49.706 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055032.D

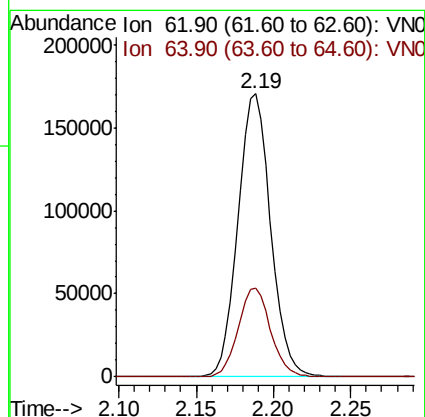
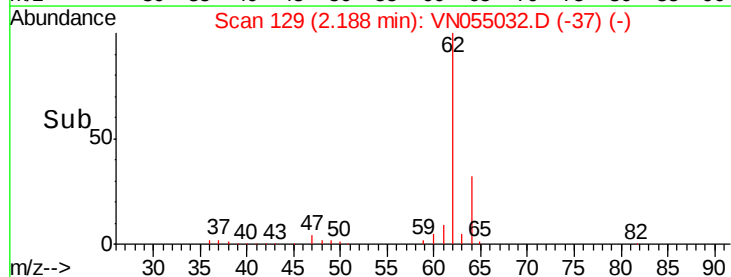
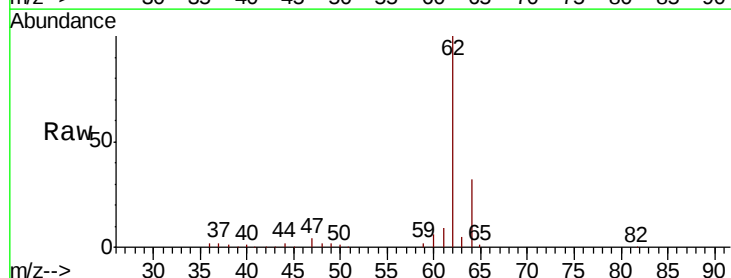
Acq: 13 Apr 2019 16:21

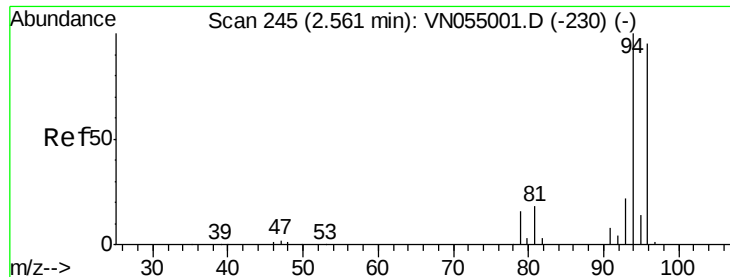
Tgt Ion: 62 Resp: 249759

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.6

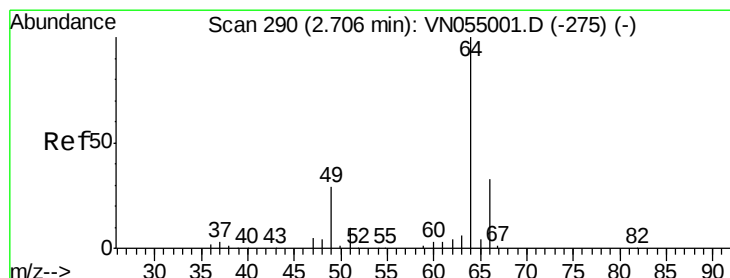
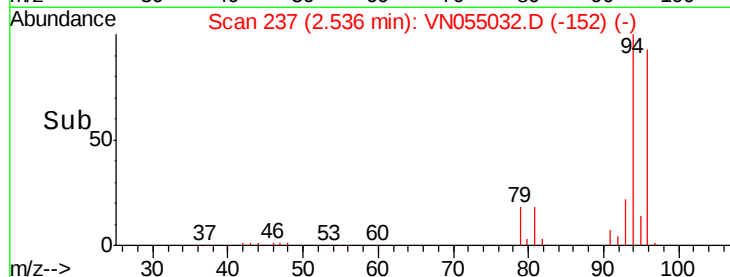
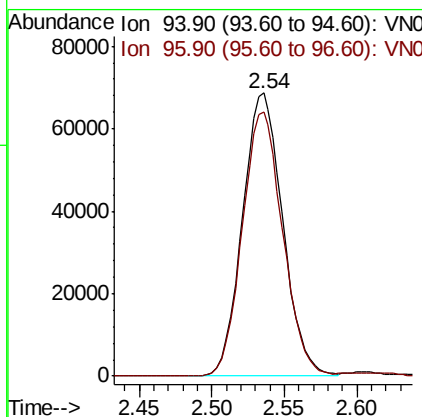
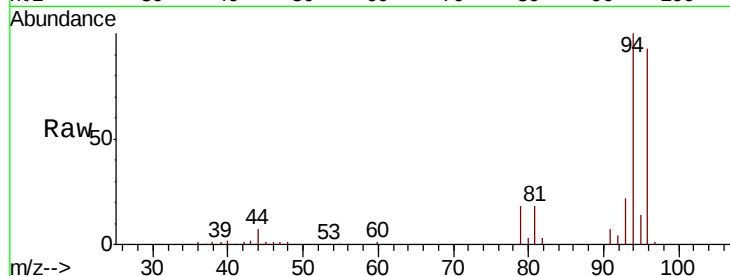




#5
Bromomethane
Concen: 45.590 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.03 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

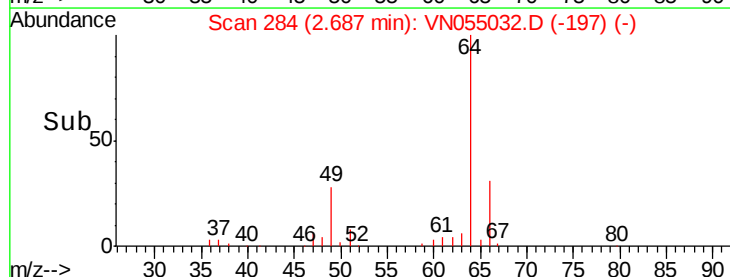
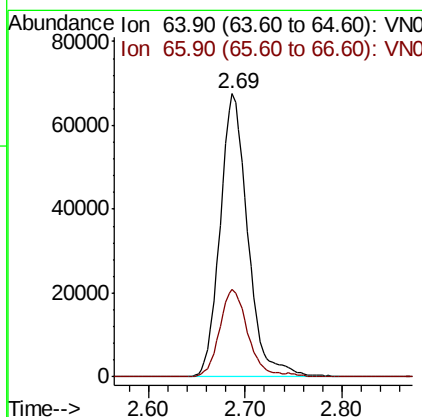
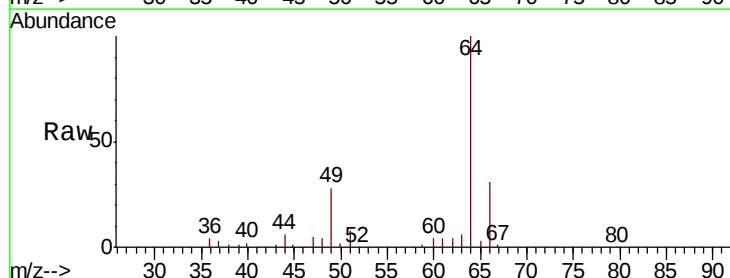
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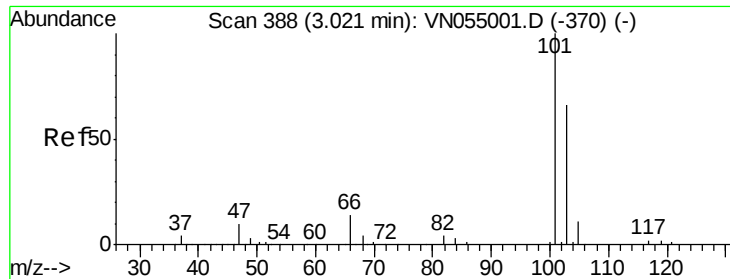
Tot Ion: 94 Resp: 132609
Ion Ratio Lower Upper
94 100
96 93.3 76.2 114.4



#6
Chloroethane
Concen: 48.652 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.02 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 64 Resp: 134816
Ion Ratio Lower Upper
64 100
66 30.8 26.6 40.0



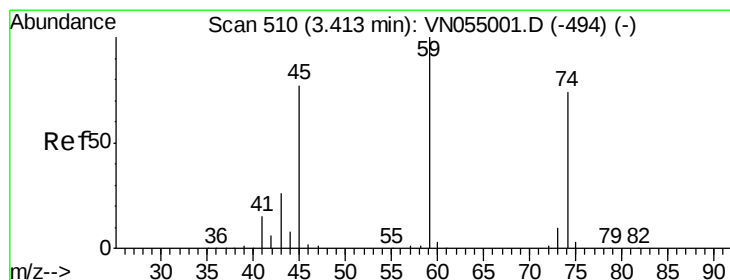
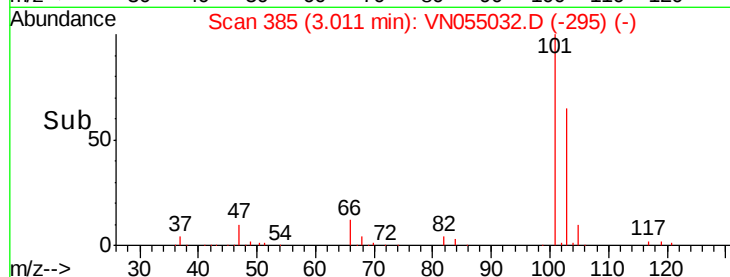
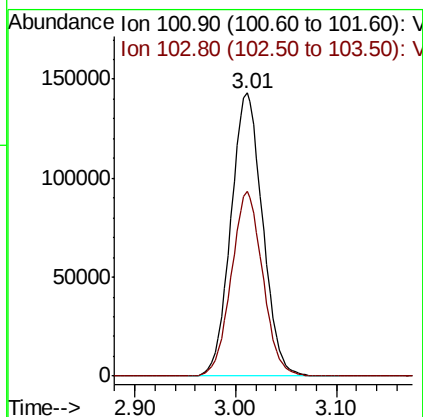
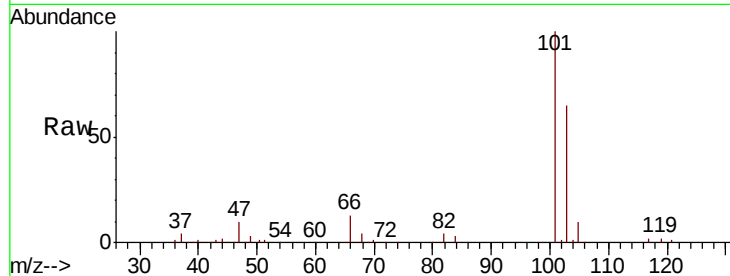


#7

Trichlorofluoromethane
Concen: 49.500 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
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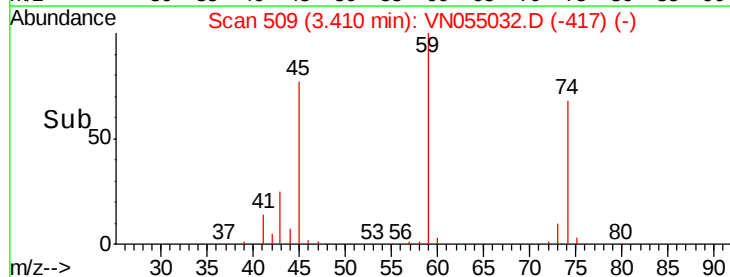
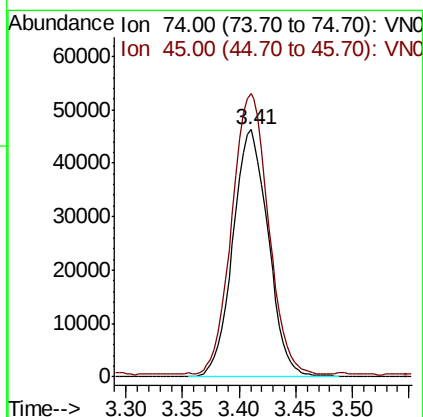
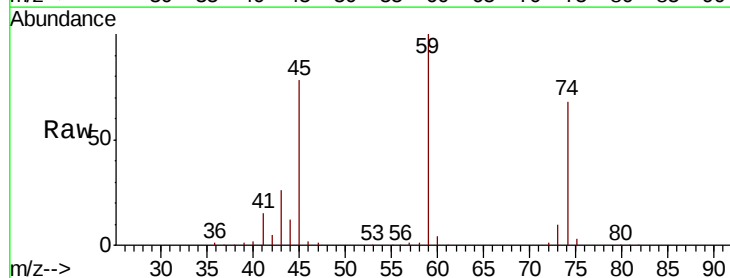
Tot Ion:101 Resp: 311993
Ion Ratio Lower Upper
101 100
103 65.3 52.5 78.7

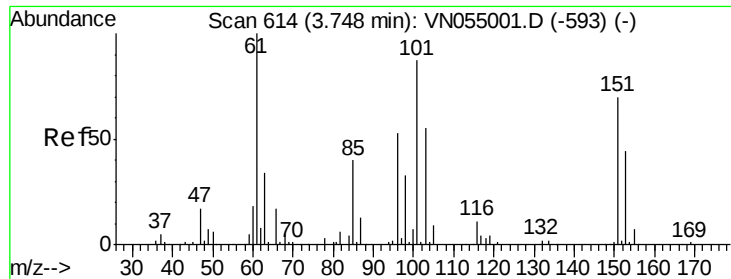


#8

Diethyl Ether
Concen: 50.940 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 74 Resp: 100973
Ion Ratio Lower Upper
74 100
45 117.2 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.056 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.01 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

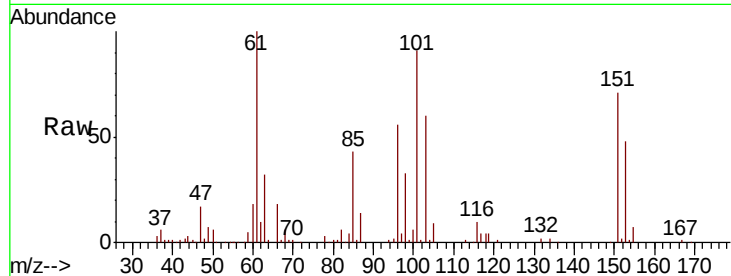
Tot Ion:101 Resp: 157980

Ion Ratio Lower Upper

101 100

85 46.2 36.9 55.3

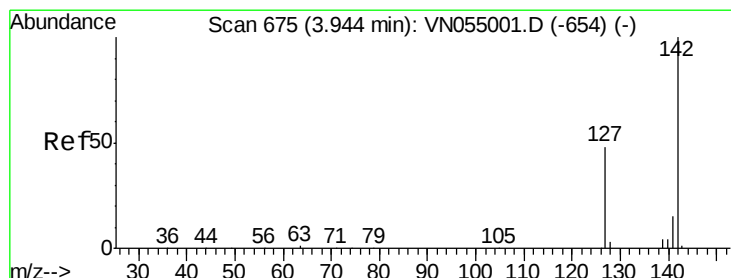
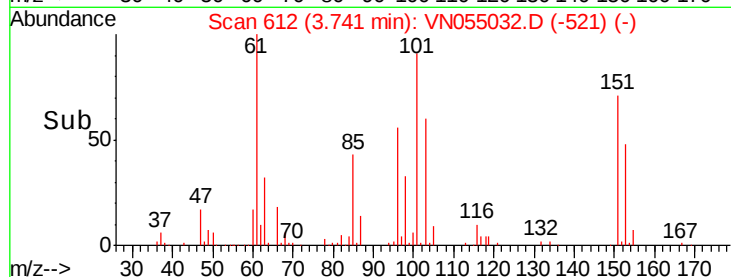
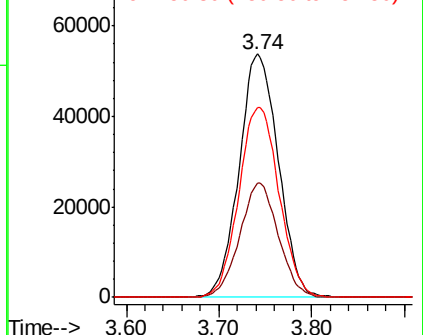
151 80.0 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.734 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

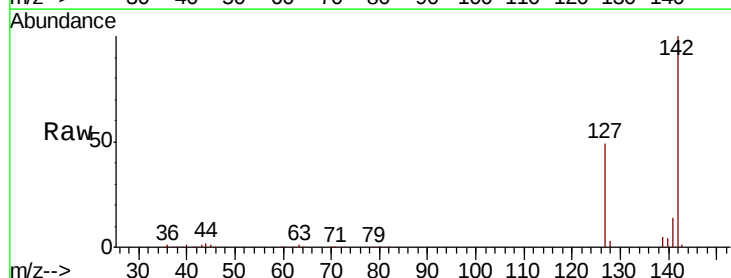
Tgt Ion:142 Resp: 240536

Ion Ratio Lower Upper

142 100

127 48.8 37.9 56.9

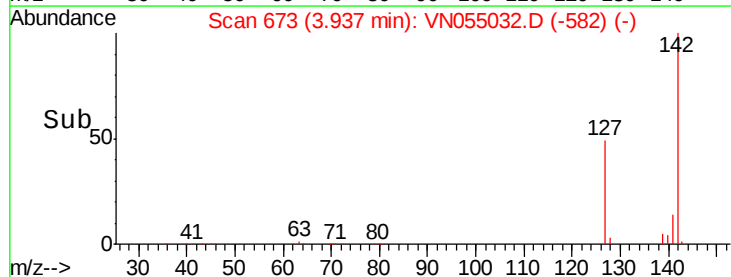
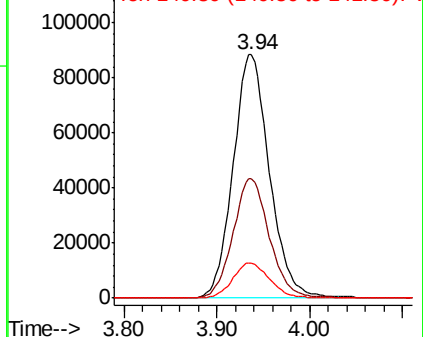
141 14.7 11.8 17.8

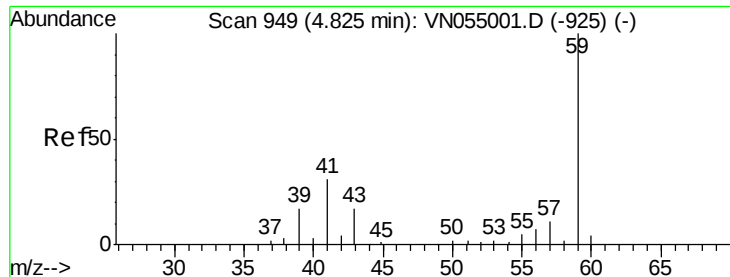


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

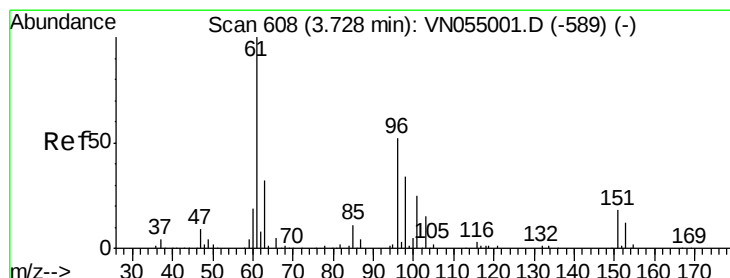
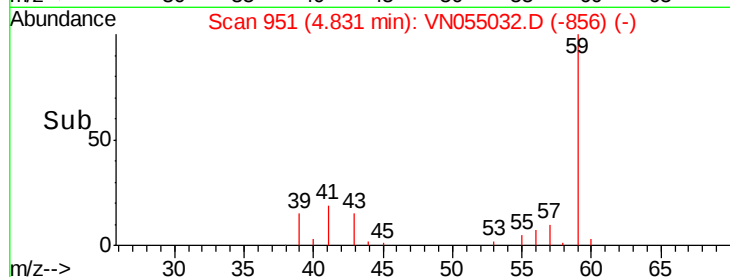
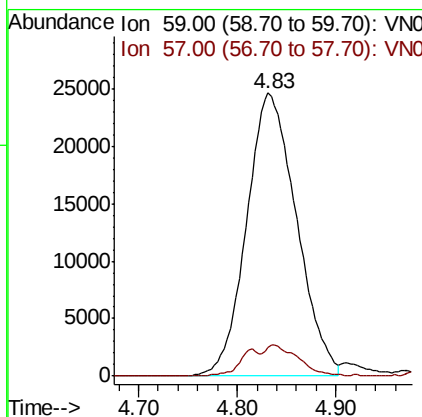
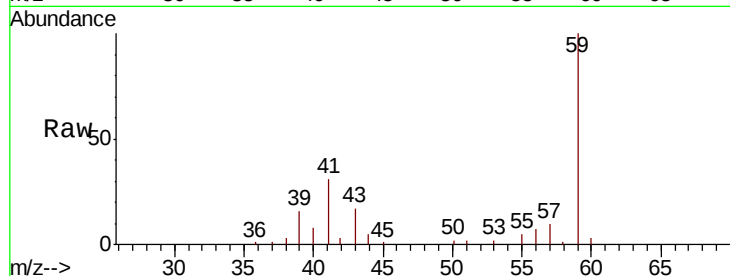




#11
Tert butyl alcohol
Concen: 266.522 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.01 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

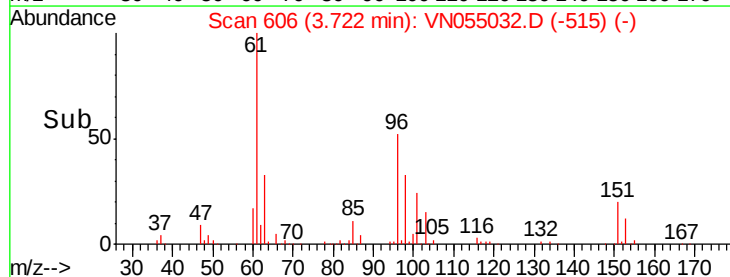
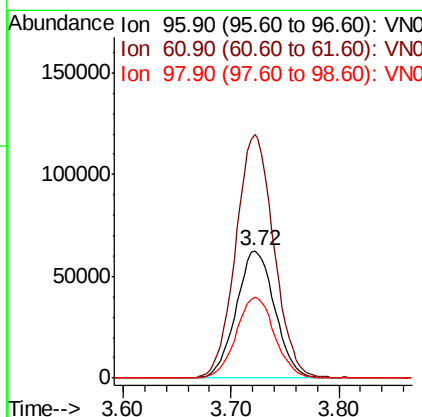
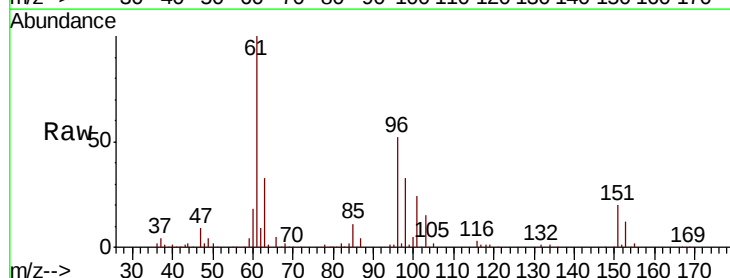
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

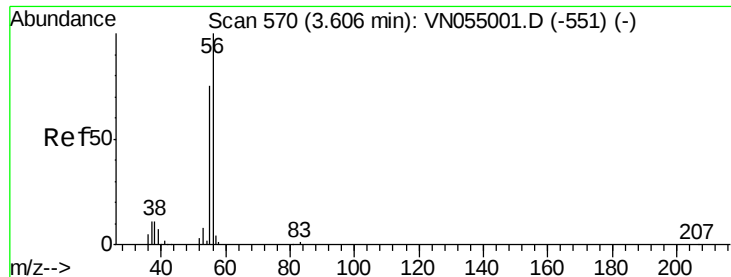
Tot Ion: 59 Resp: 86159
Ion Ratio Lower Upper
59 100
57 7.4 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 48.132 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 96 Resp: 155787
Ion Ratio Lower Upper
96 100
61 190.3 154.2 231.4
98 63.3 52.9 79.3





#13

Acrolein

Concen: 243.277 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

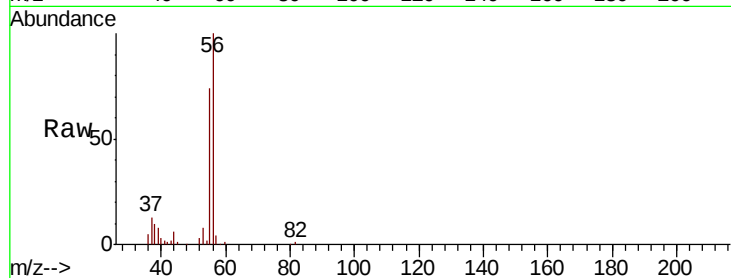
VSTDCCC050EC

Tot Ion: 56 Resp: 94928

Ion Ratio Lower Upper

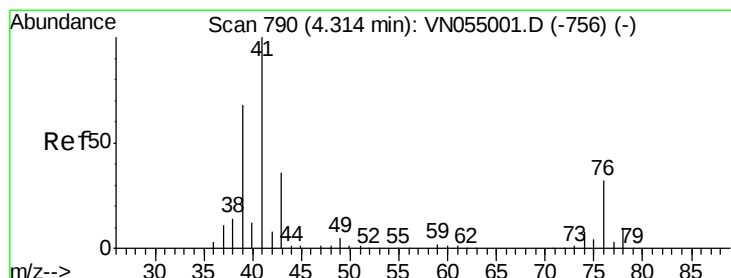
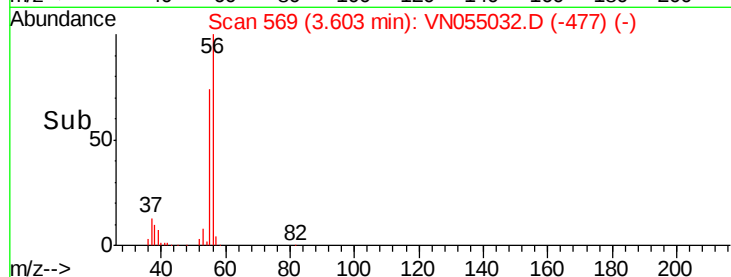
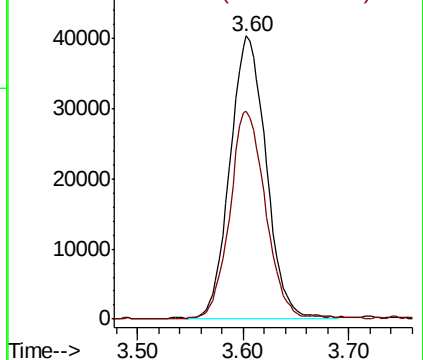
56 100

55 73.0 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.598 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

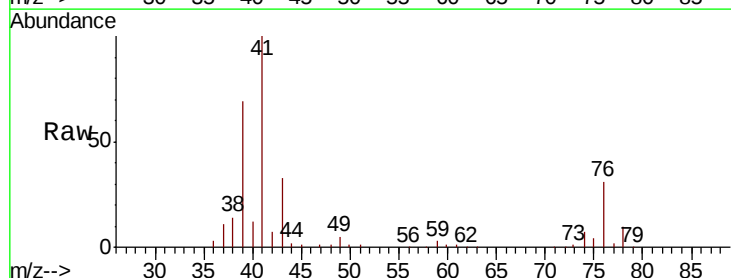
Tgt Ion: 41 Resp: 408050

Ion Ratio Lower Upper

41 100

39 66.5 52.7 79.1

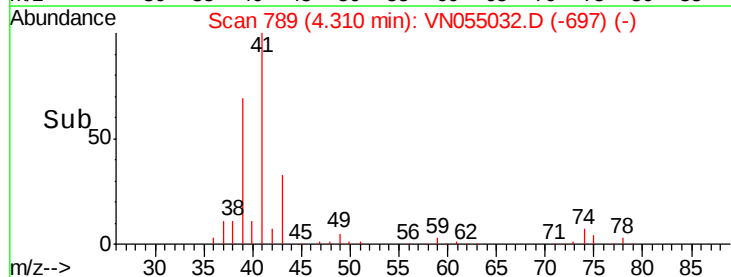
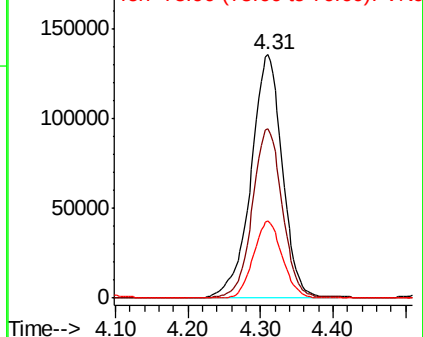
76 29.1 23.2 34.8

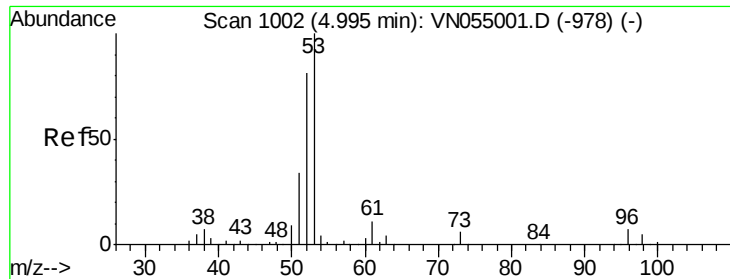


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 281.482 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

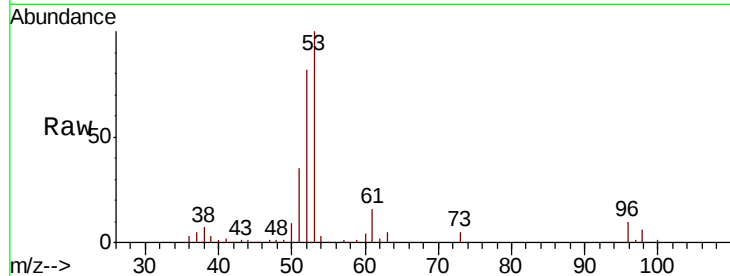
Tot Ion: 53 Resp: 501890

Ion Ratio Lower Upper

53 100

52 82.5 65.9 98.9

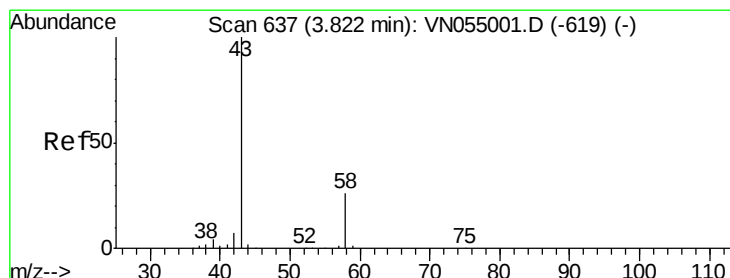
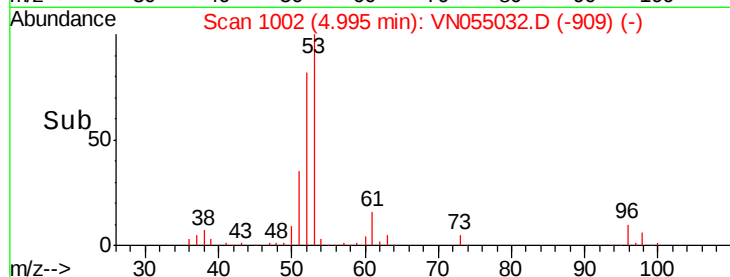
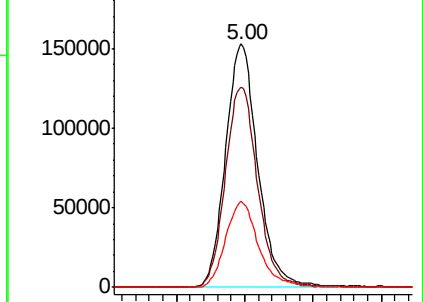
51 36.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN055001.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN055001.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN055001.D (-978) (-)



#16

Acetone

Concen: 234.999 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055032.D

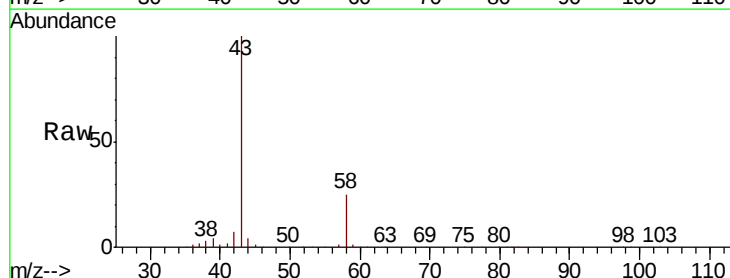
Acq: 13 Apr 2019 16:21

Tgt Ion: 43 Resp: 339151

Ion Ratio Lower Upper

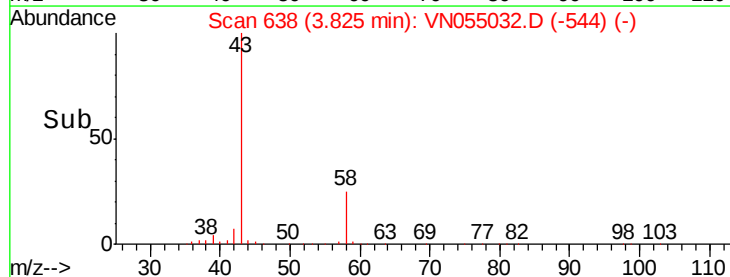
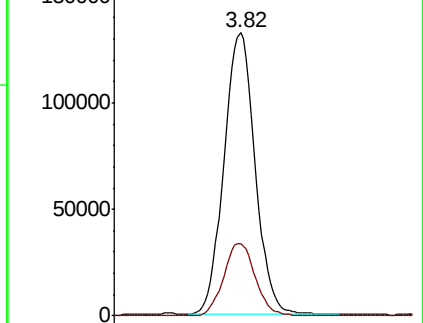
43 100

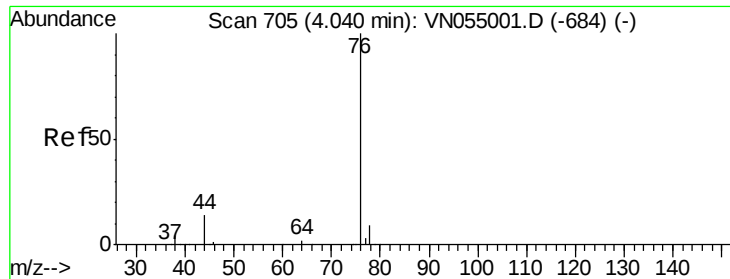
58 25.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-619) (-)

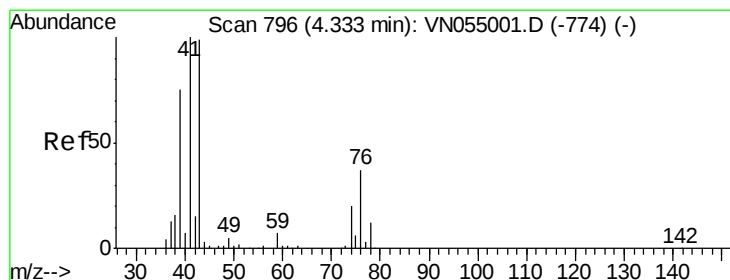
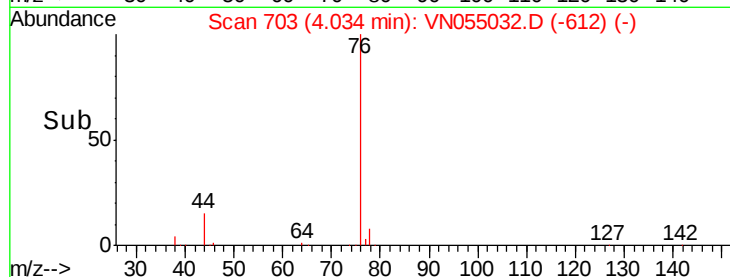
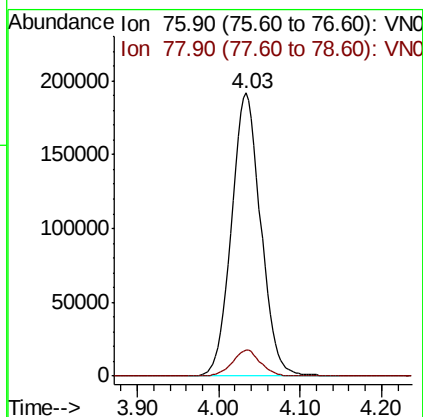
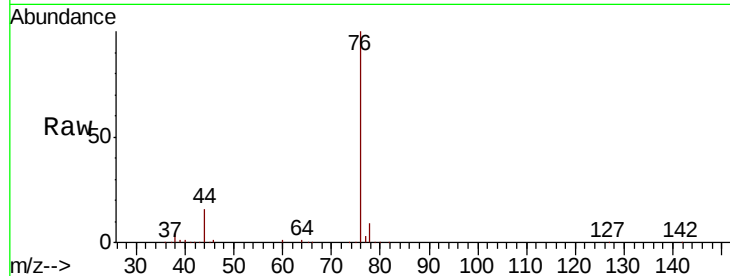




#17
Carbon Disulfide
Concen: 45.572 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

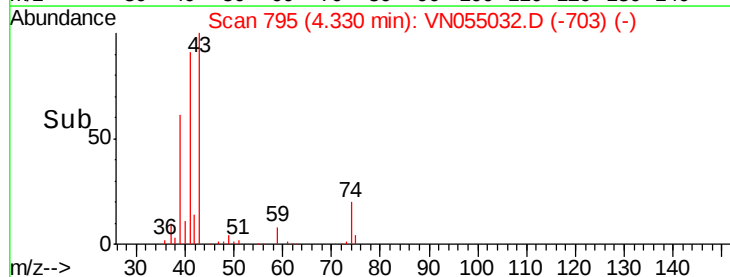
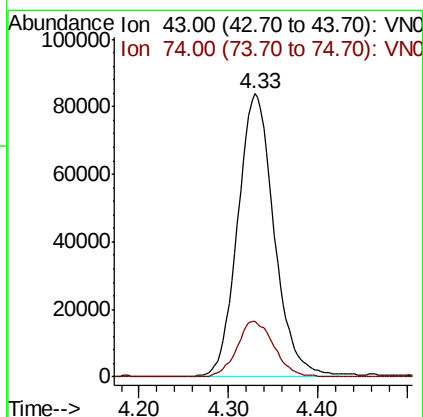
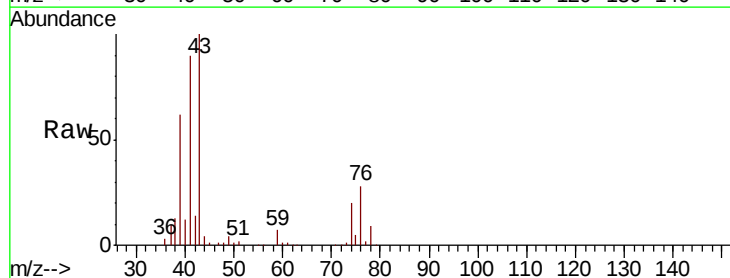
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

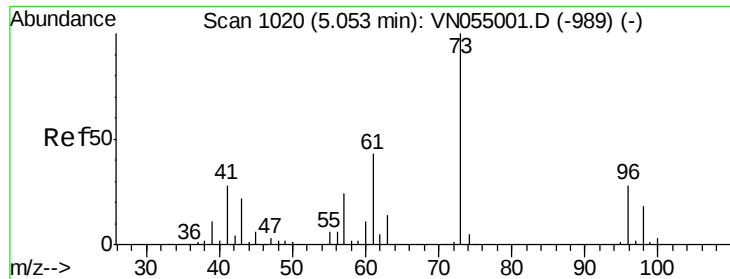
Tot Ion: 76 Resp: 480426
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 52.951 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 43 Resp: 236886
Ion Ratio Lower Upper
43 100
74 20.3 16.1 24.1

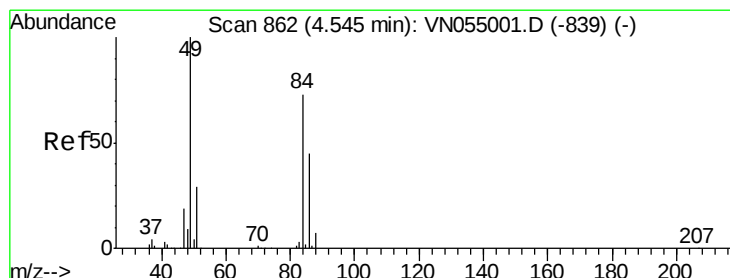
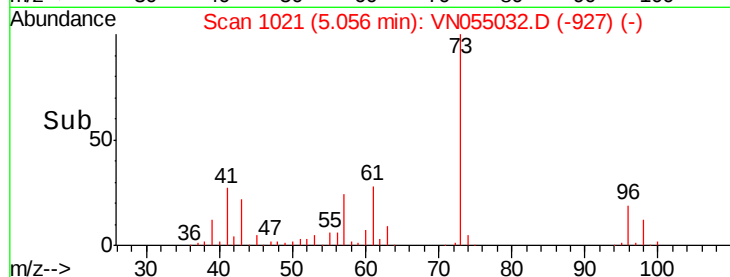
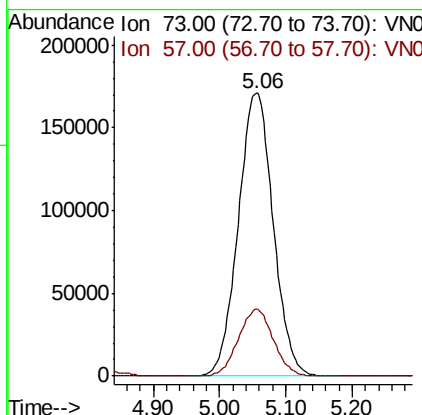
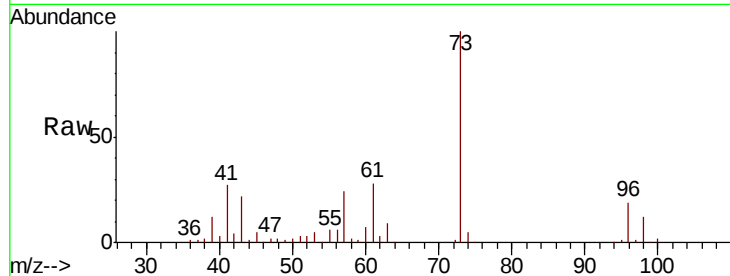




#19
Methyl tert-butyl Ether
Concen: 54.112 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

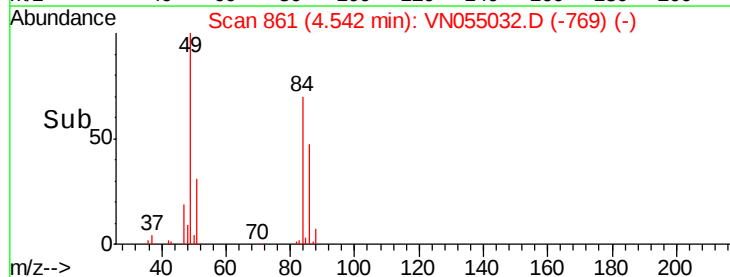
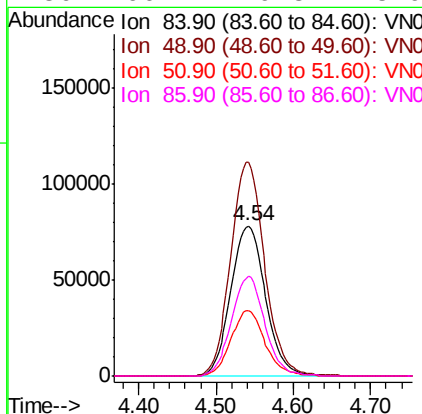
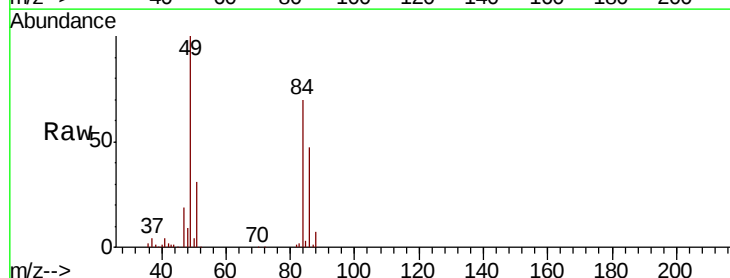
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

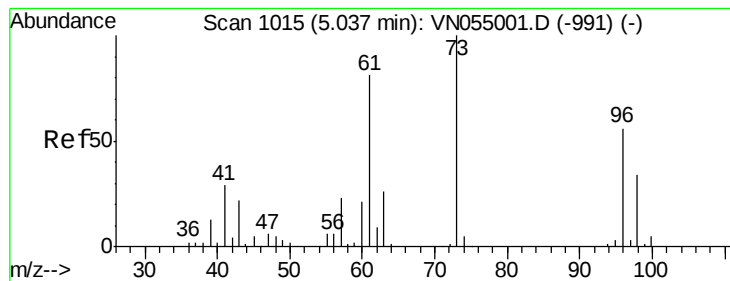
Tot Ion: 73 Resp: 625771
Ion Ratio Lower Upper
73 100
57 23.5 19.0 28.4



#20
Methylene Chloride
Concen: 52.151 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 84 Resp: 243987
Ion Ratio Lower Upper
84 100
49 142.5 109.4 164.2
51 43.8 32.2 48.4
86 66.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.994 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

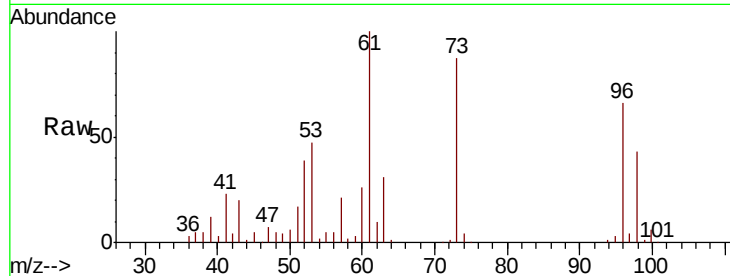
Tot Ion: 96 Resp: 217428

Ion Ratio Lower Upper

96 100

61 152.5 114.9 172.3

98 65.0 48.4 72.6

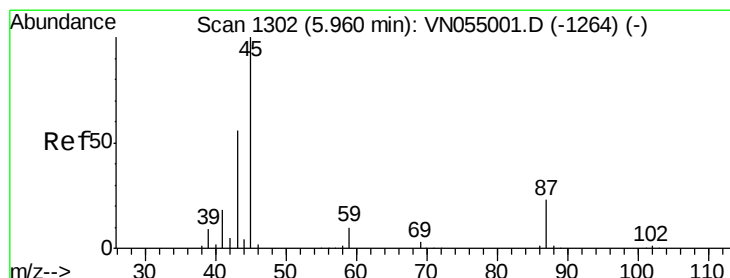
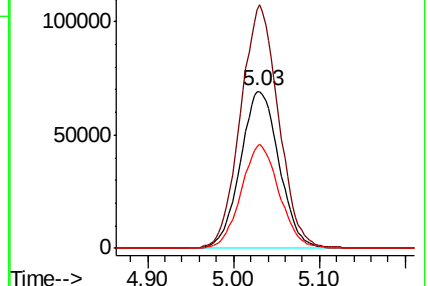
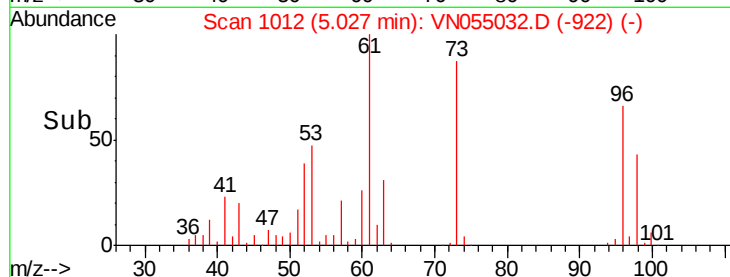


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.419 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion: 45 Resp: 856540

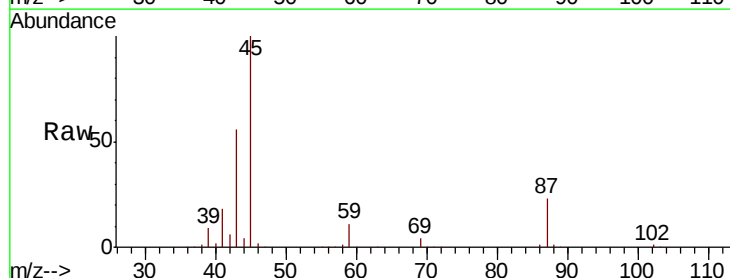
Ion Ratio Lower Upper

45 100

43 55.5 44.8 67.2

87 23.1 18.9 28.3

59 10.4 7.9 11.9



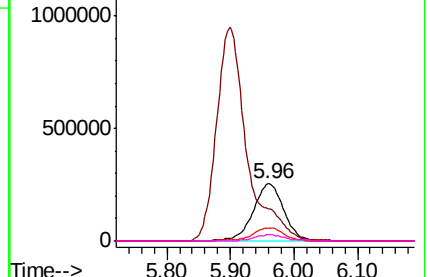
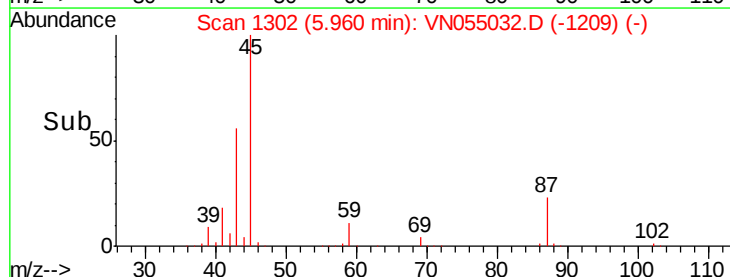
Abundance

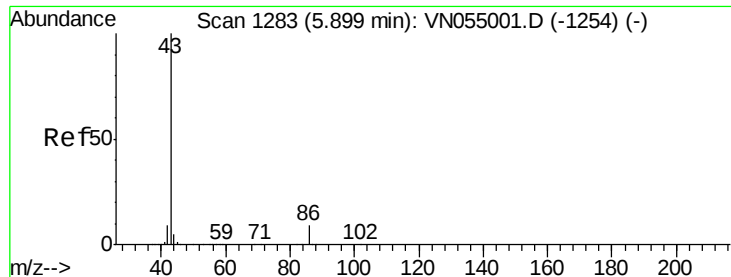
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 280.991 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

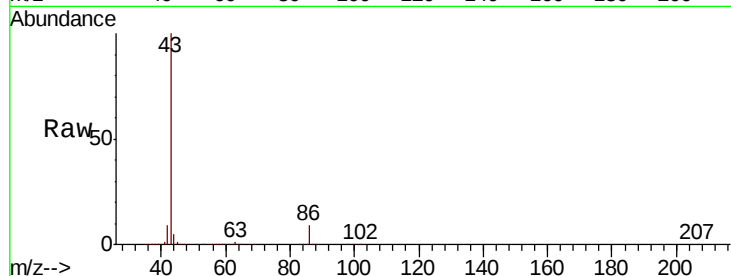
VSTDCCC050EC

Tot Ion: 43 Resp: 3151258

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055001.D (-1254) (-)

5.90

1000000

800000

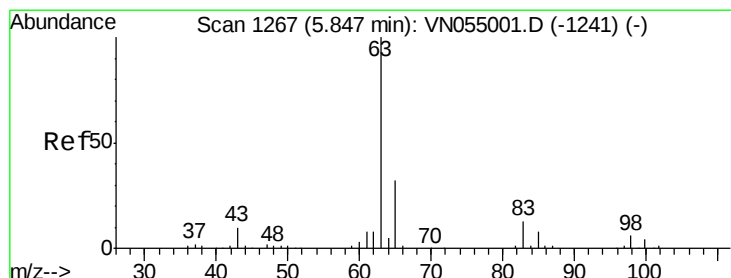
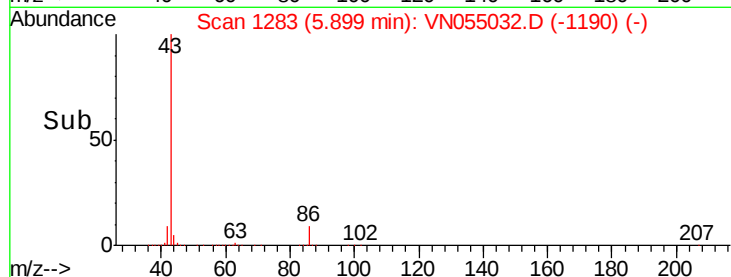
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 50.870 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

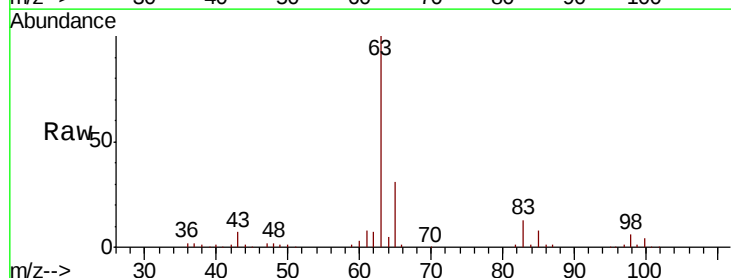
Tgt Ion: 63 Resp: 440537

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055001.D (-1241) (-)

5.84

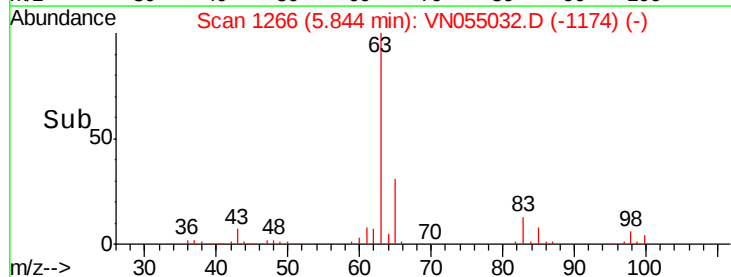
150000

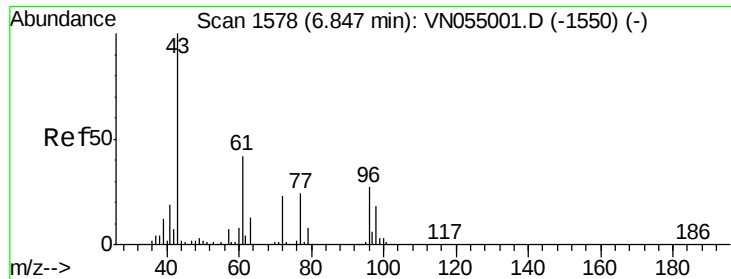
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

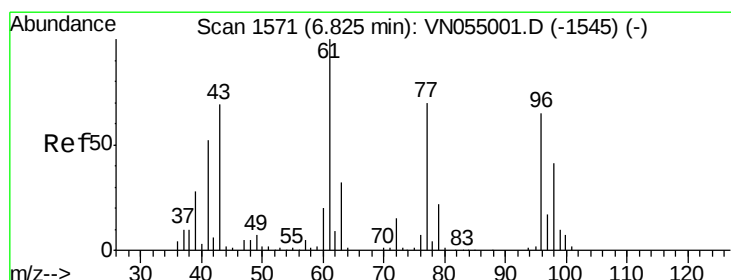
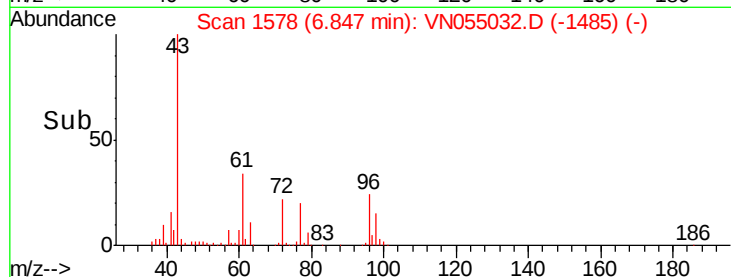
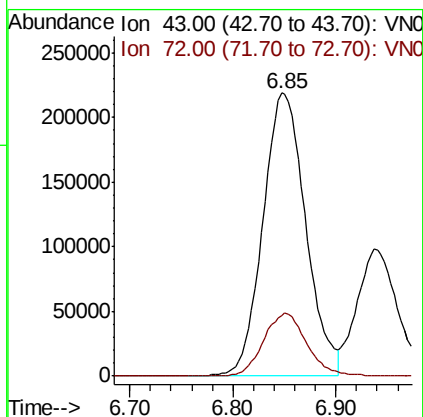
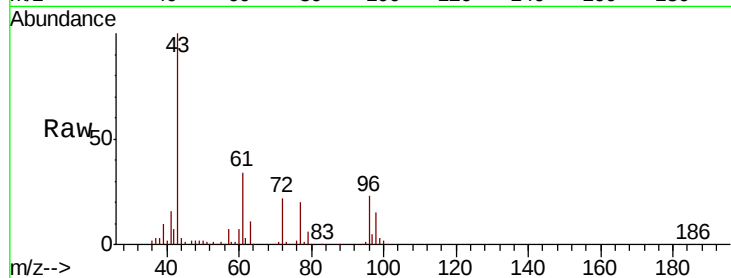




#25
2-Butanone
Concen: 283.038 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

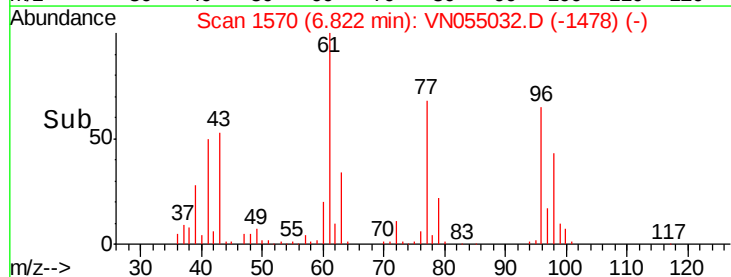
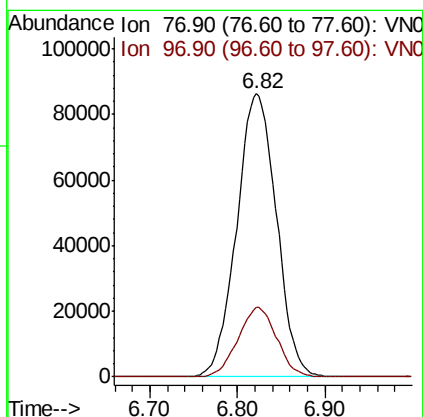
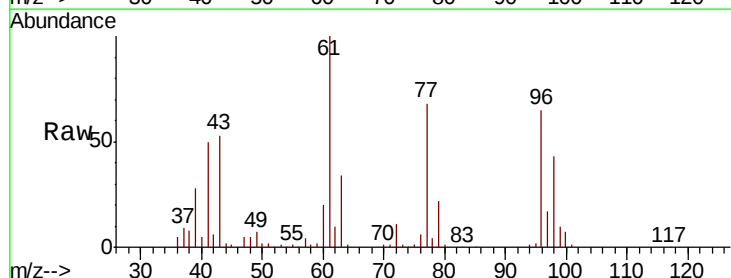
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

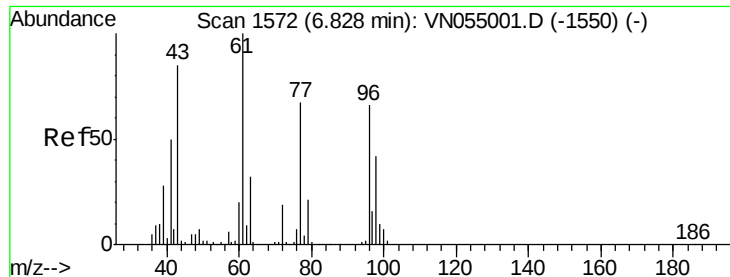
Tot Ion: 43 Resp: 629122
Ion Ratio Lower Upper
43 100
72 21.7 18.1 27.1



#26
2,2-Dichloropropane
Concen: 47.359 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 77 Resp: 271334
Ion Ratio Lower Upper
77 100
97 24.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 51.169 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

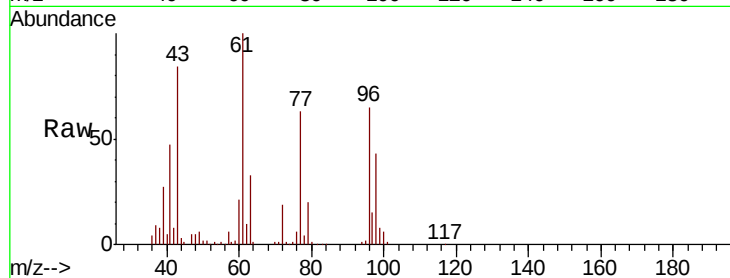
Tot Ion: 96 Resp: 253455

Ion Ratio Lower Upper

96 100

61 153.4 0.0 311.0

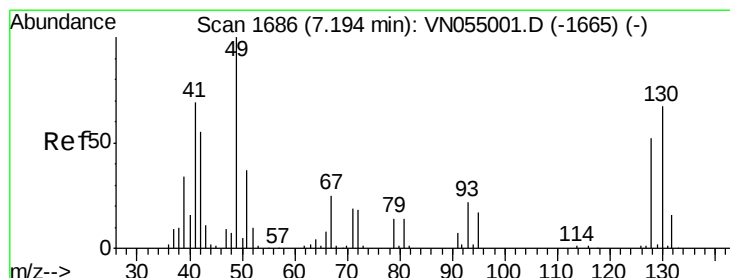
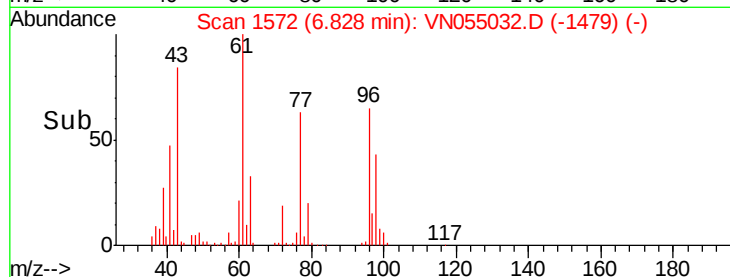
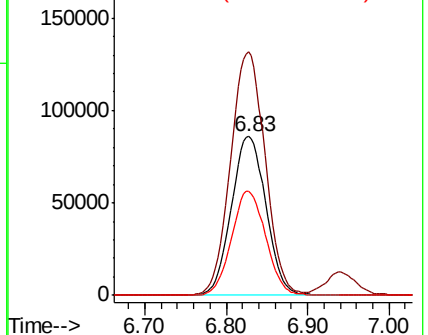
98 64.9 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.799 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

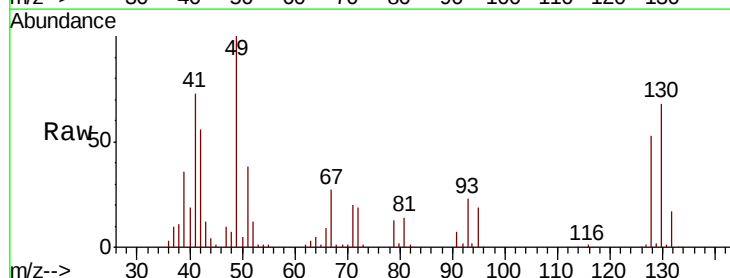
Tgt Ion: 49 Resp: 212832

Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.0

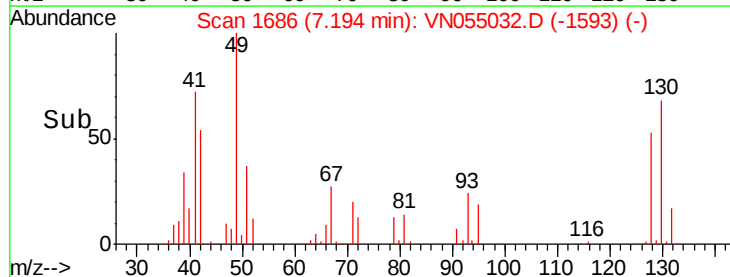
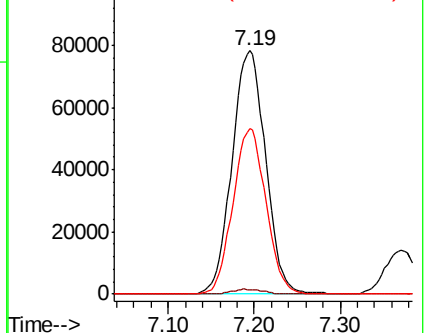
130 66.7 53.4 80.2

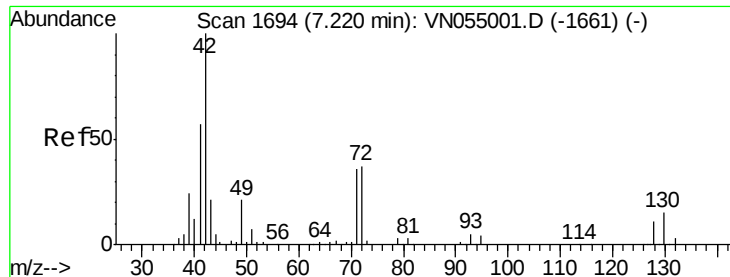


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

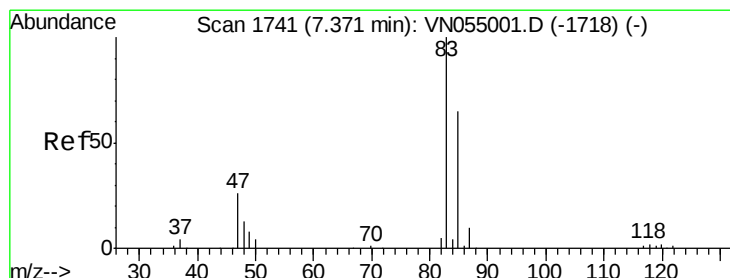
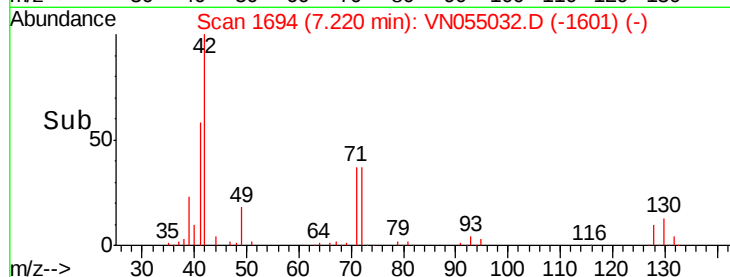
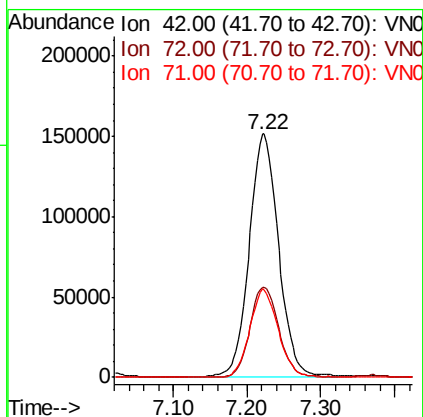
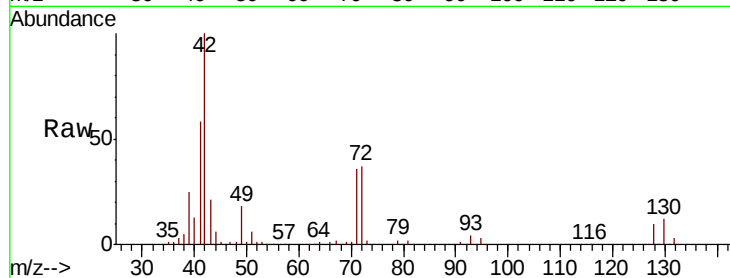




#29
Tetrahydrofuran
Concen: 287.903 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

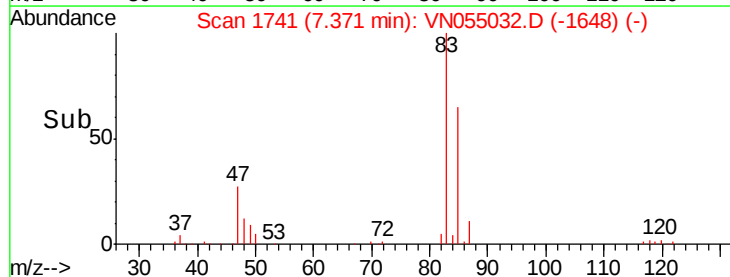
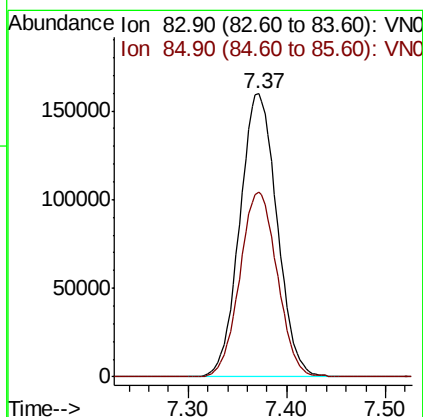
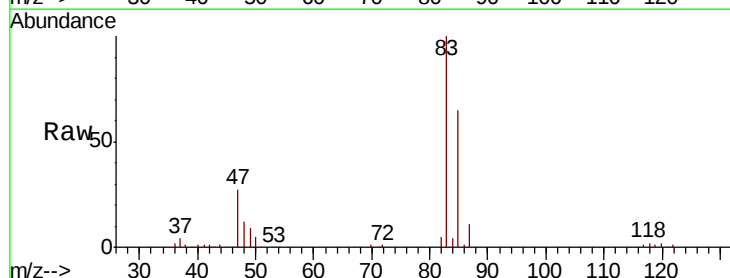
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

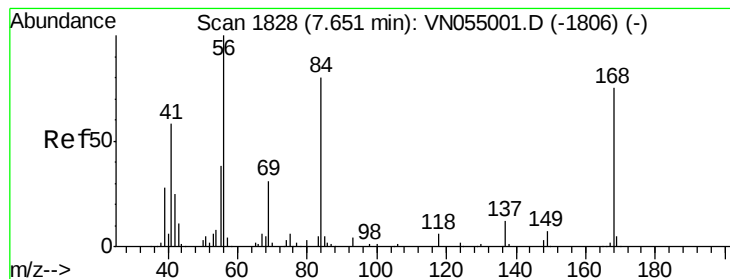
Tot Ion: 42 Resp: 419504
Ion Ratio Lower Upper
42 100
72 36.6 29.4 44.0
71 35.2 27.8 41.6



#30
Chloroform
Concen: 50.438 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 83 Resp: 416519
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.6





#31

Cyclohexane

Concen: 49.377 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

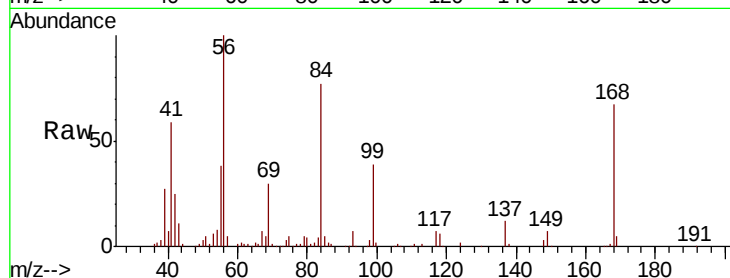
Tot Ion: 56 Resp: 395360

Ion Ratio Lower Upper

56 100

69 29.8 24.5 36.7

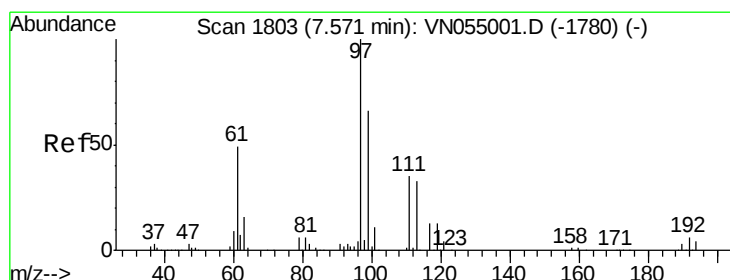
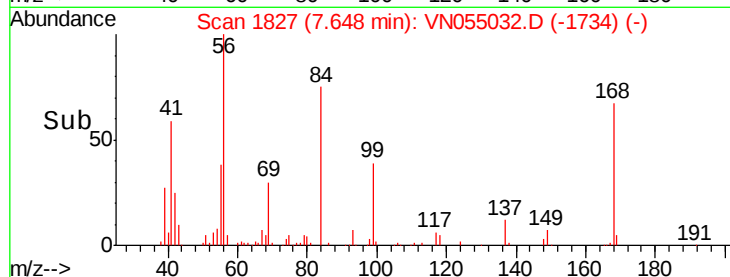
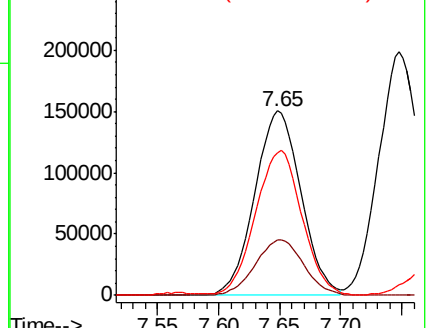
84 76.2 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN055001.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN055001.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN055001.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 51.433 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

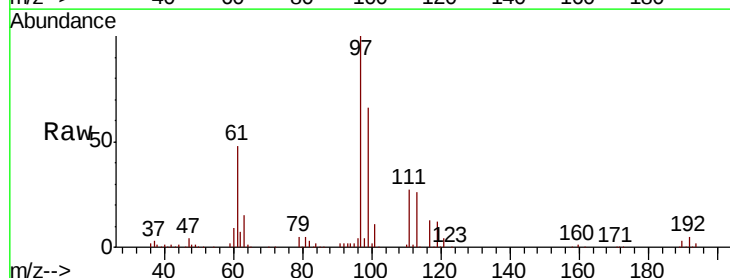
Tgt Ion: 97 Resp: 338368

Ion Ratio Lower Upper

97 100

99 65.7 51.6 77.4

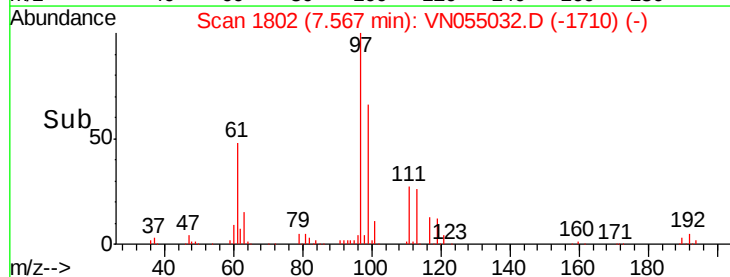
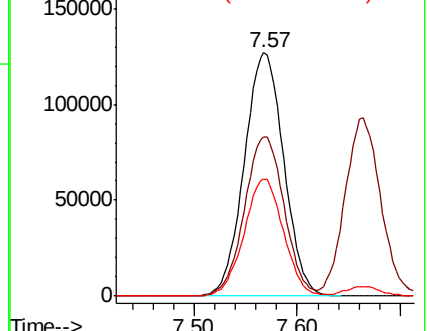
61 47.9 38.3 57.5

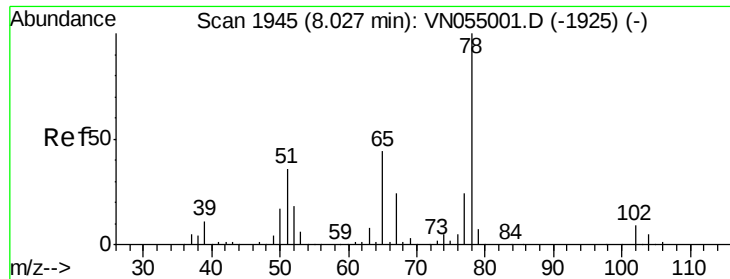


Abundance Ion 96.90 (96.60 to 97.60): VN055001.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN055001.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN055001.D (-1780) (-)

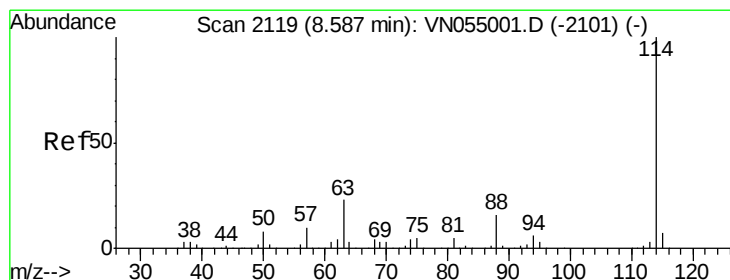
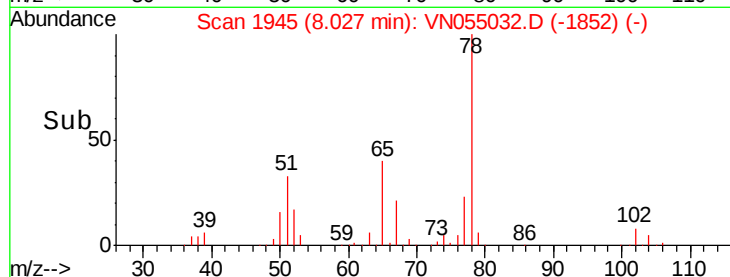
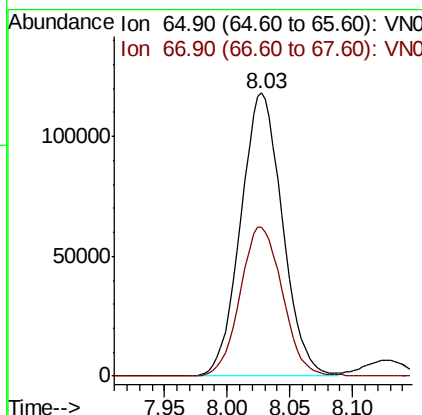
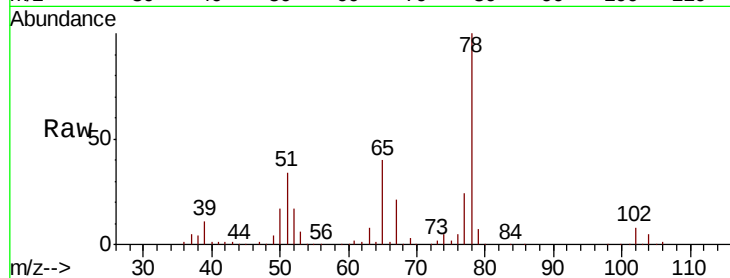




#33
 1,2-Dichloroethane-d4
 Concen: 52.134 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

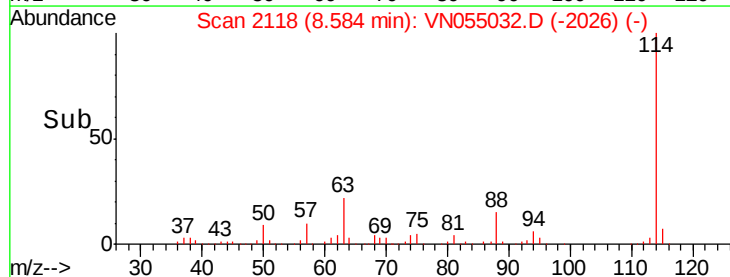
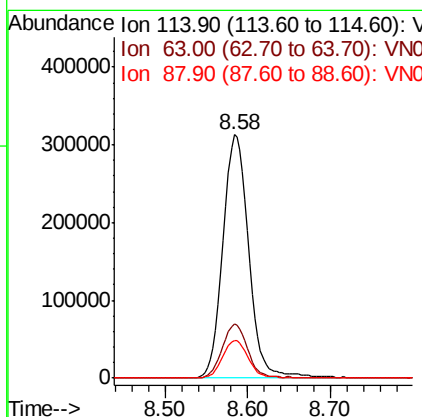
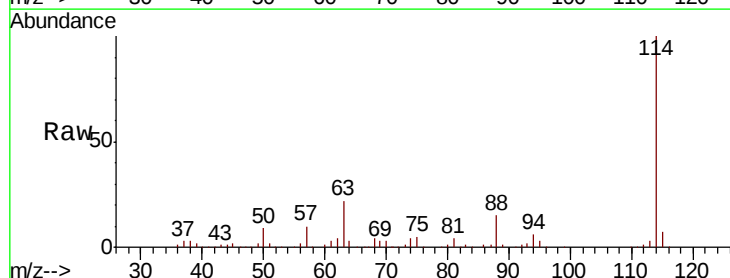
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

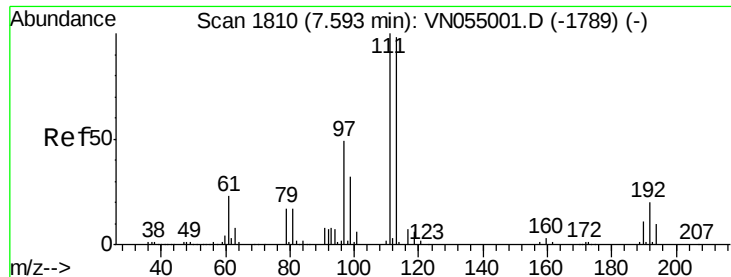
Tot Ion: 65 Resp: 273887
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion: 114 Resp: 680109
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.761 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

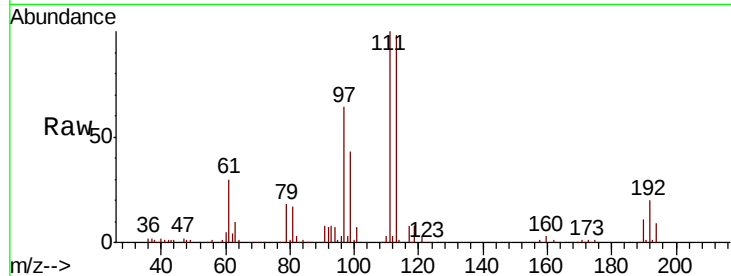
Tot Ion:113 Resp: 220075

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

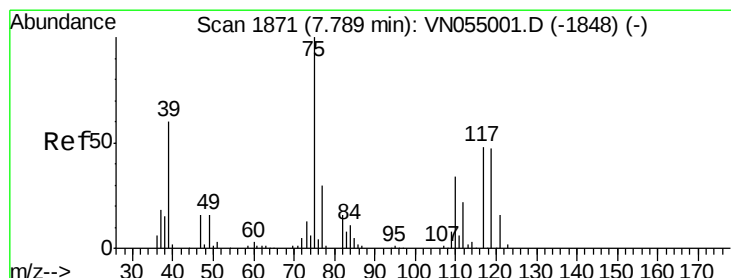
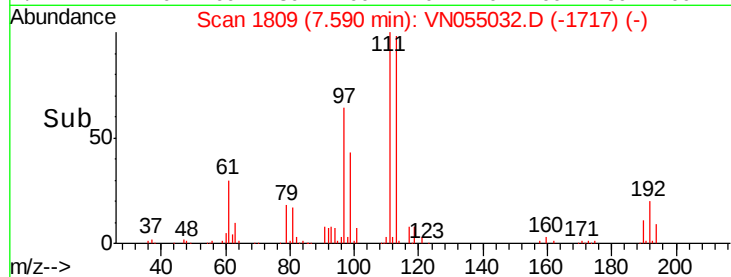
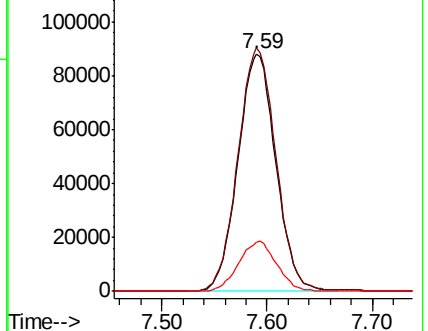
192 21.0 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.598 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

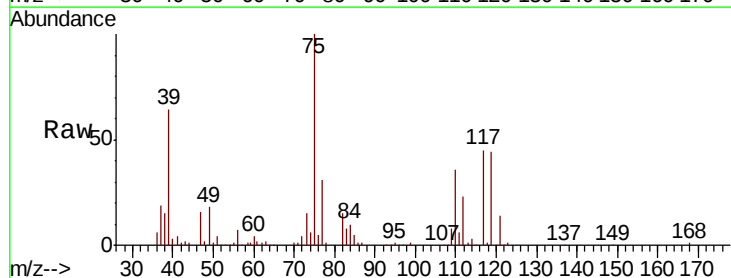
Tgt Ion: 75 Resp: 311751

Ion Ratio Lower Upper

75 100

110 35.1 17.5 52.5

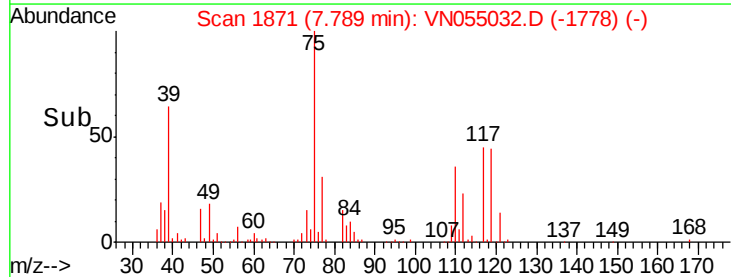
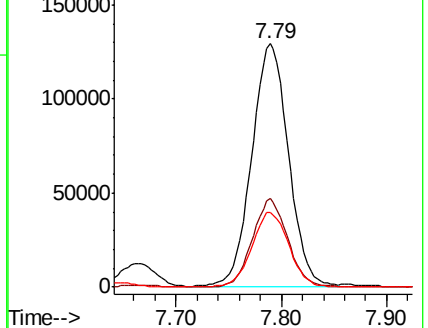
77 31.3 24.9 37.3

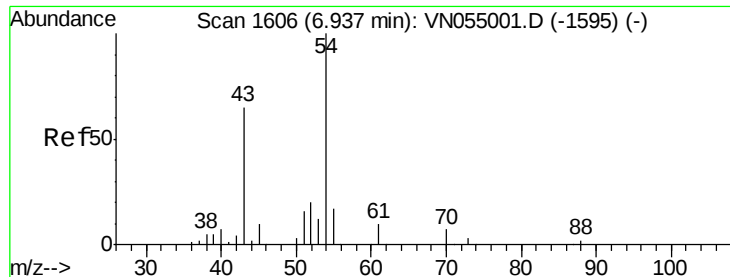


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

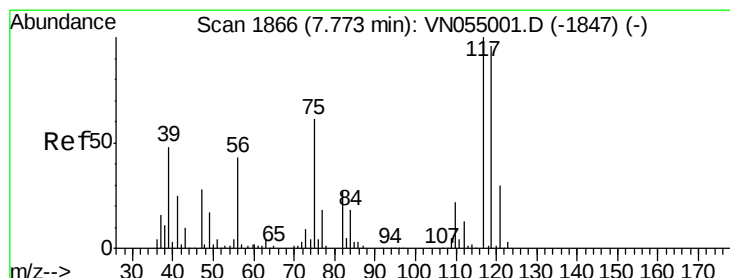
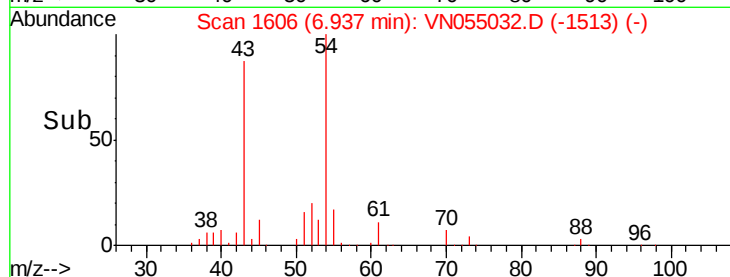
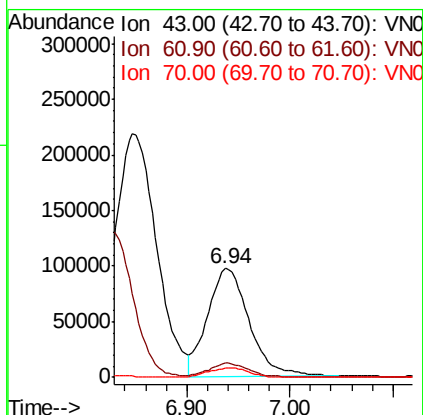
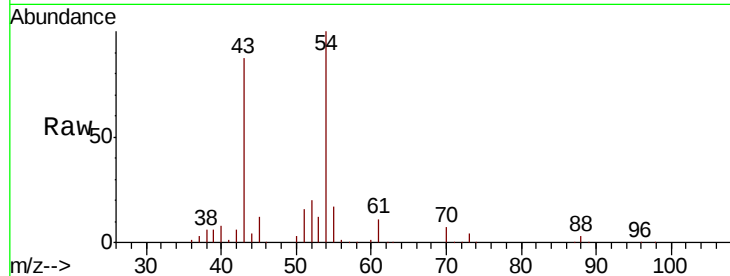




#37
Ethyl Acetate
Concen: 57.322 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

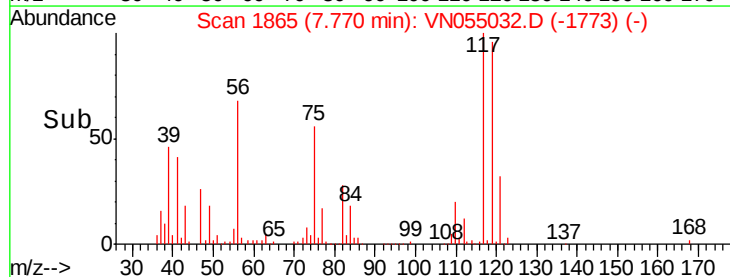
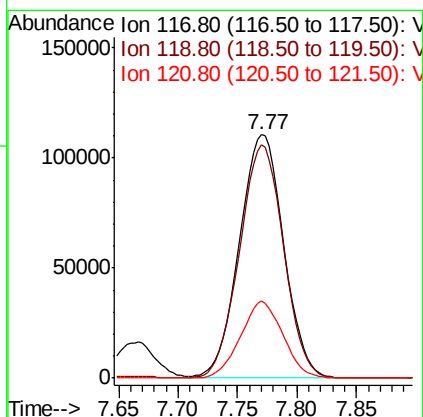
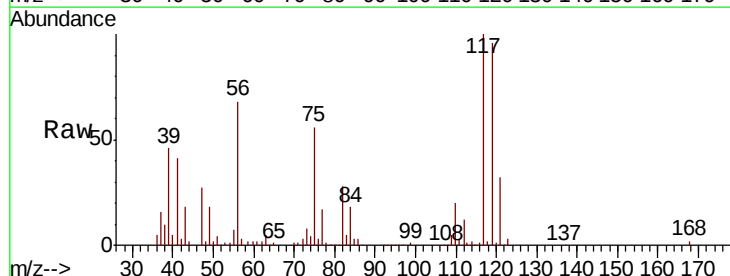
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

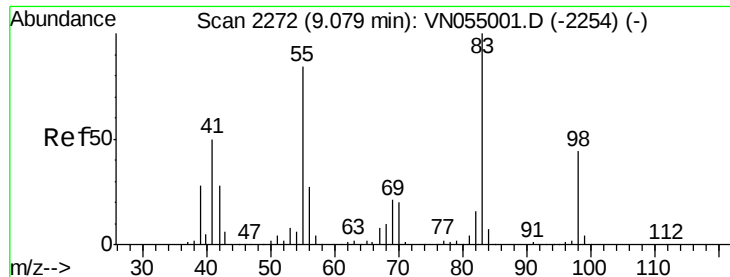
Tot Ion: 43 Resp: 270485
Ion Ratio Lower Upper
43 100
61 12.0 10.0 15.0
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 47.948 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 117 Resp: 283687
Ion Ratio Lower Upper
117 100
119 96.0 76.3 114.5
121 31.7 23.9 35.9

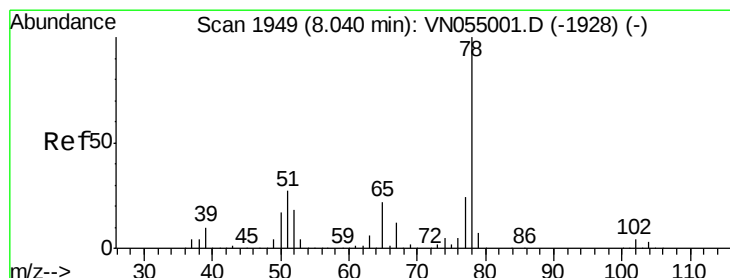
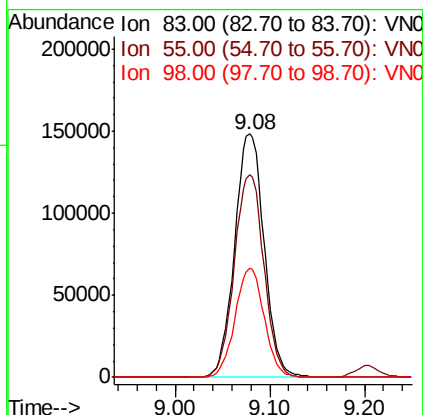
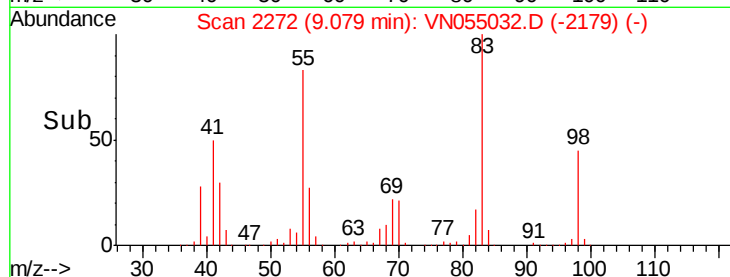
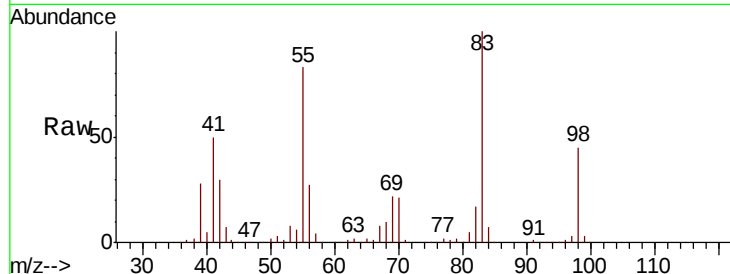




#39
Methvlcvclohexane
Concen: 44.631 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

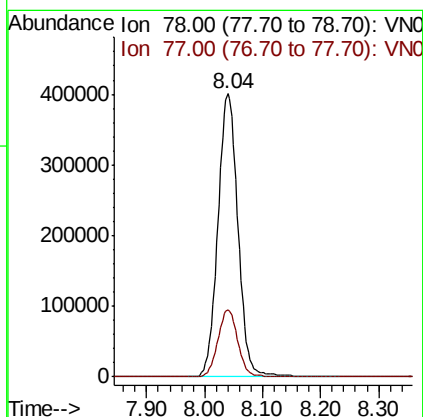
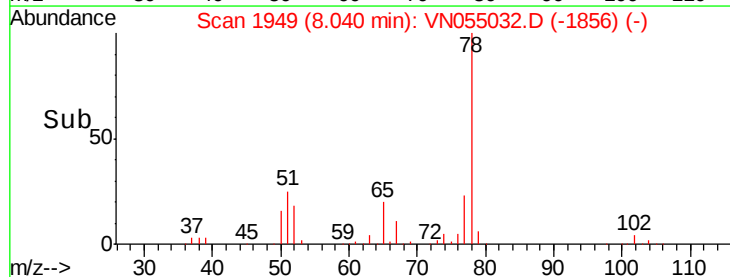
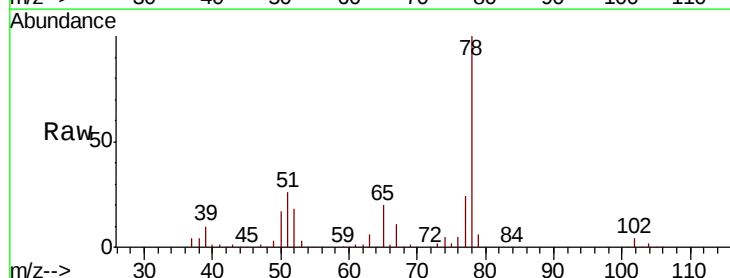
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

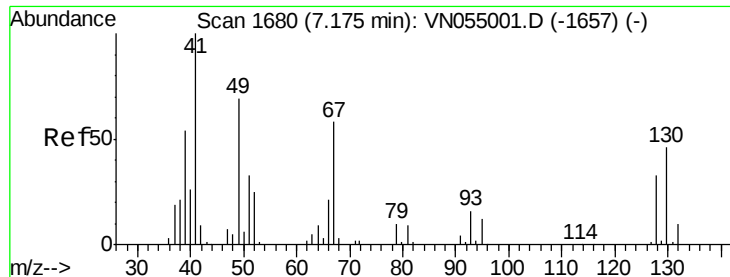
Tot Ion: 83 Resp: 321164
Ion Ratio Lower Upper
83 100
55 83.2 67.0 100.4
98 44.7 35.6 53.4



#40
Benzene
Concen: 50.722 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 78 Resp: 963886
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

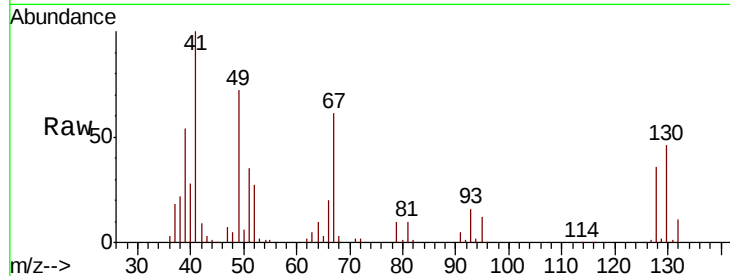




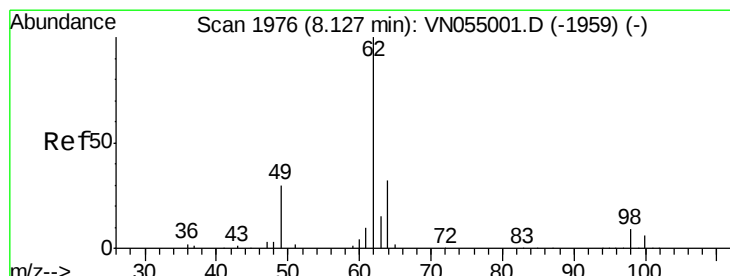
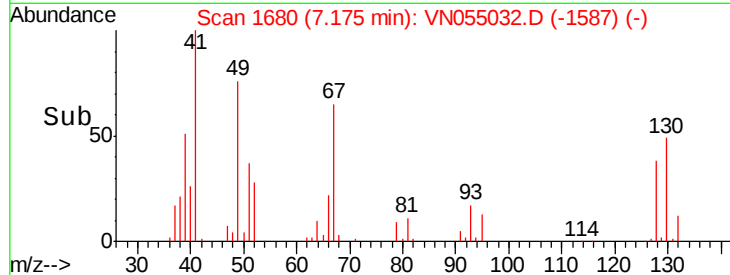
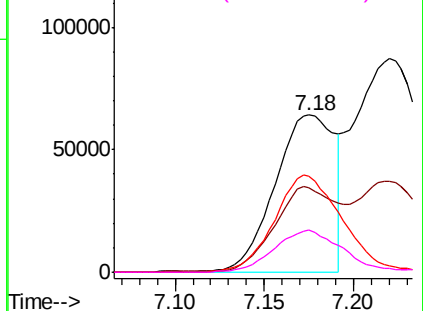
#41
Methacrylonitrile
Concen: 51.123 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 148436
Ion Ratio Lower Upper
41 100
39 56.7 45.6 68.4
67 70.8 57.0 85.6
52 30.7 23.6 35.4

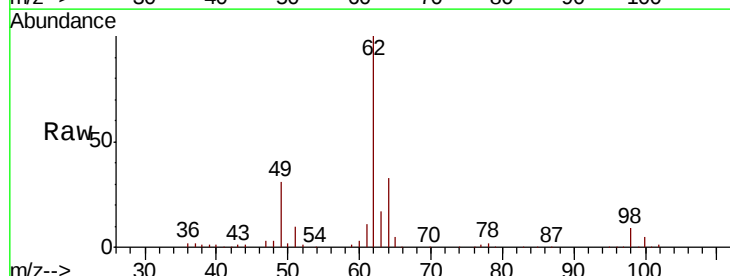


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

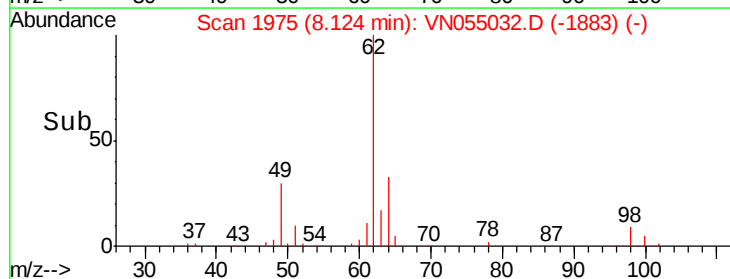
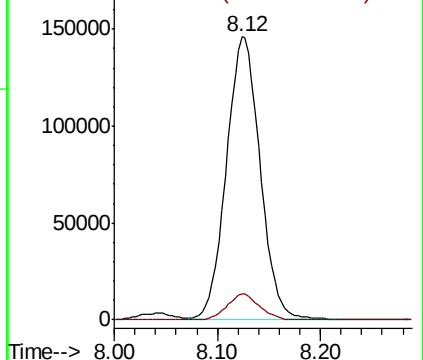


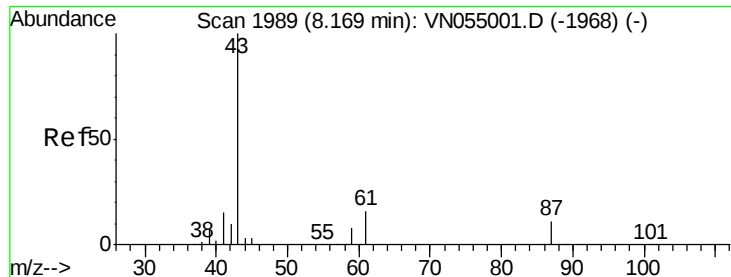
#42
1,2-Dichloroethane
Concen: 49.453 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 62 Resp: 330598
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.4



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





#43

Isopropyl Acetate

Concen: 55.780 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

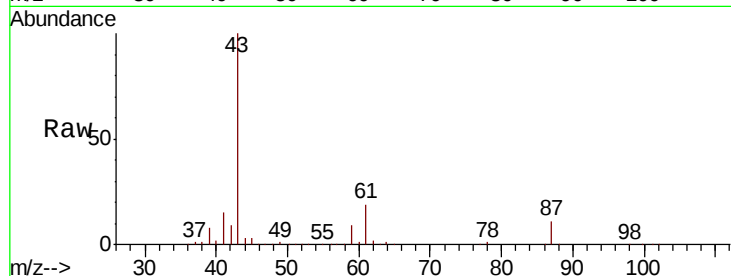
Tot Ion: 43 Resp: 450065

Ion Ratio Lower Upper

43 100

61 18.5 14.3 21.5

87 11.0 8.6 13.0

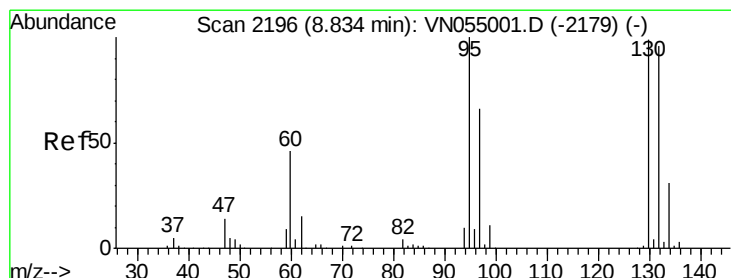
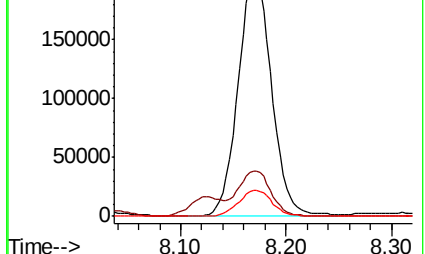
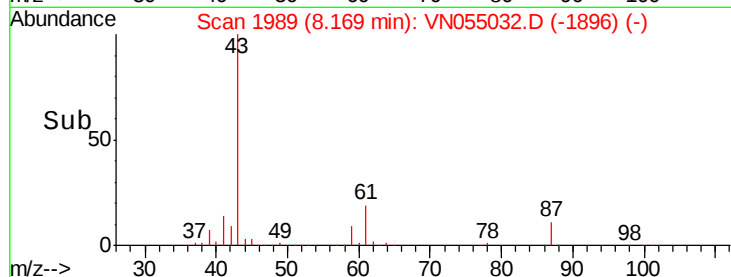


Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)

8.17



#44

Trichloroethene

Concen: 48.703 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055032.D

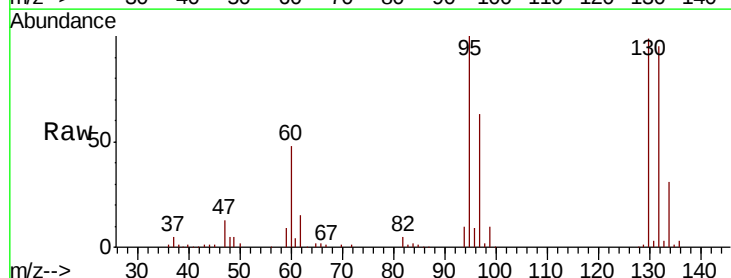
Acq: 13 Apr 2019 16:21

Tgt Ion:130 Resp: 236523

Ion Ratio Lower Upper

130 100

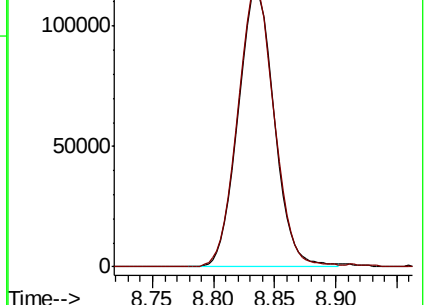
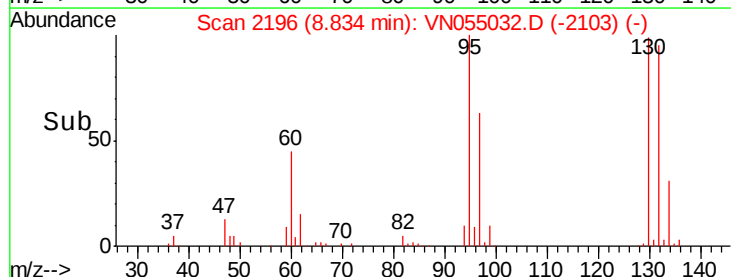
95 101.5 0.0 201.6

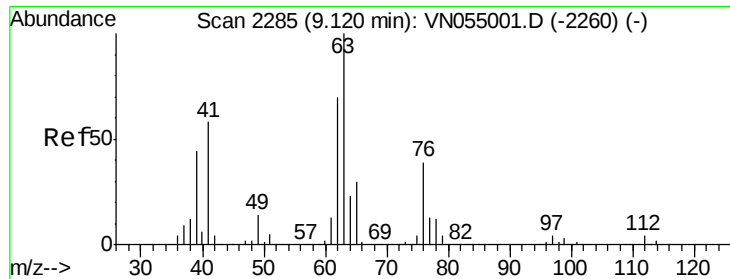


Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

8.83





#45

1,2-Dichloropropane

Concen: 49.911 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

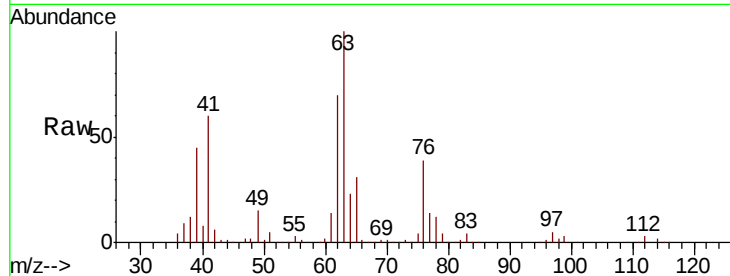
VSTDCCC050EC

Tot Ion: 63 Resp: 267658

Ion Ratio Lower Upper

63 100

65 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-2260) (-)

Ion 64.90 (64.60 to 65.60): VN055001.D (-2260) (-)

9.12

150000

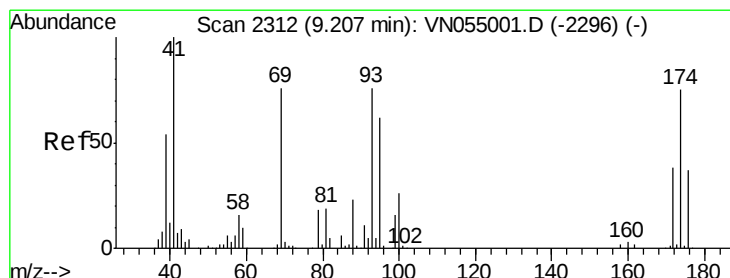
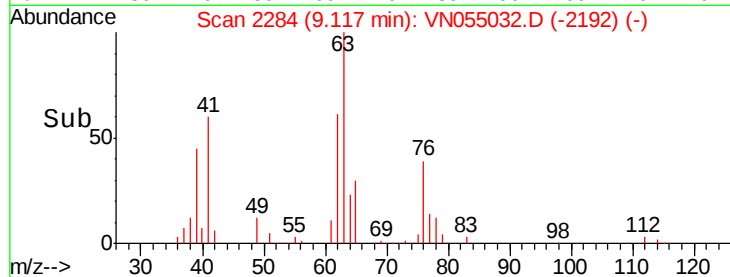
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 50.178 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

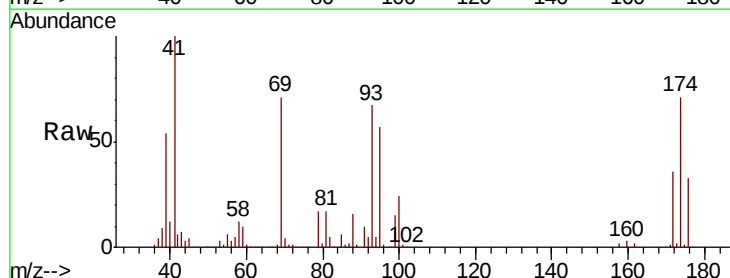
Tgt Ion: 93 Resp: 154189

Ion Ratio Lower Upper

93 100

95 85.1 65.0 97.6

174 104.9 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VN055001.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055001.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055001.D (-2296) (-)

100000

80000

60000

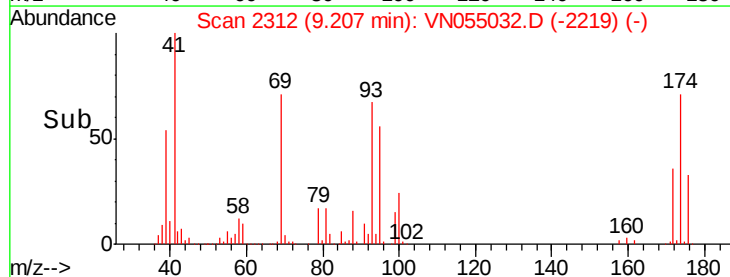
40000

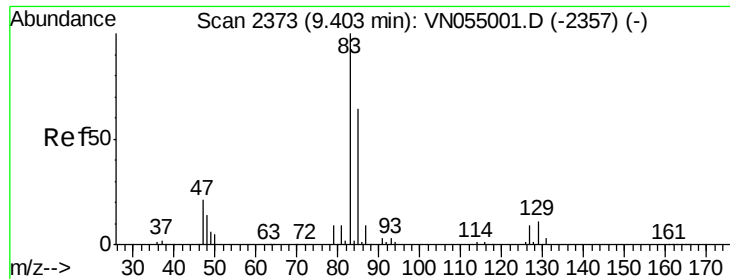
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->

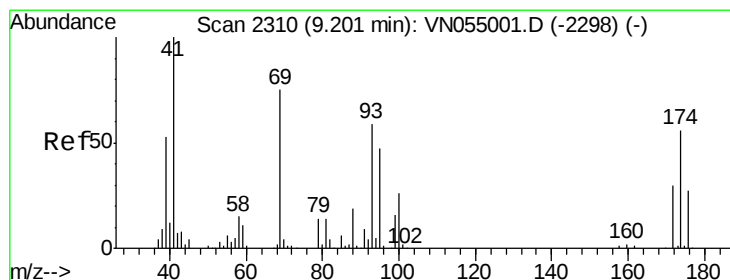
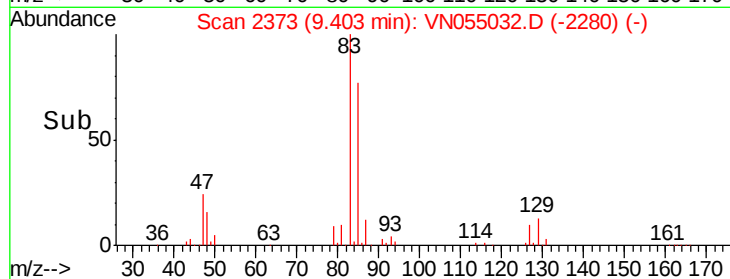
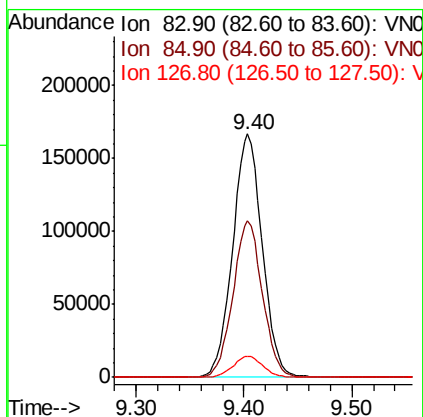
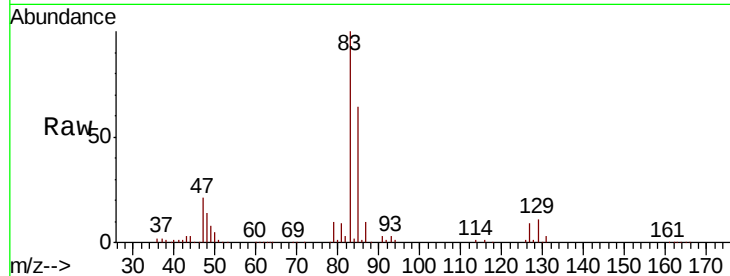




#47
Bromodichloromethane
Concen: 51.082 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

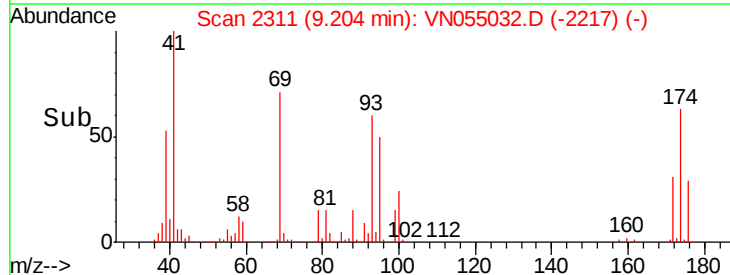
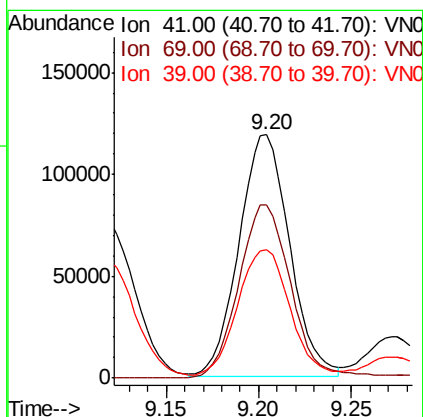
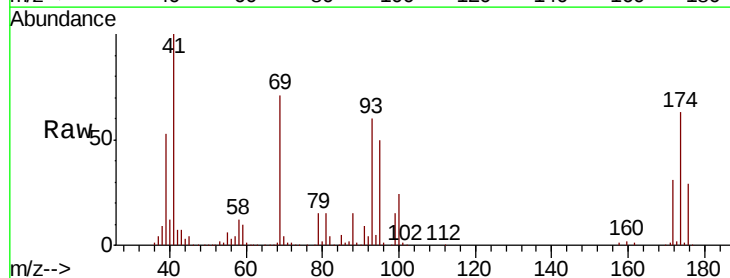
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

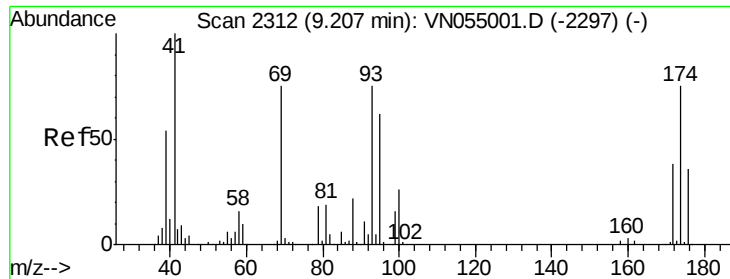
Tot Ion: 83 Resp: 319202
Ion Ratio Lower Upper
83 100
85 64.4 51.2 76.8
127 8.7 6.8 10.2



#48
Methyl methacrylate
Concen: 54.228 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 41 Resp: 225396
Ion Ratio Lower Upper
41 100
69 74.9 60.5 90.7
39 55.0 43.9 65.9





#49

1,4-Dioxane

Concen: 887.639 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

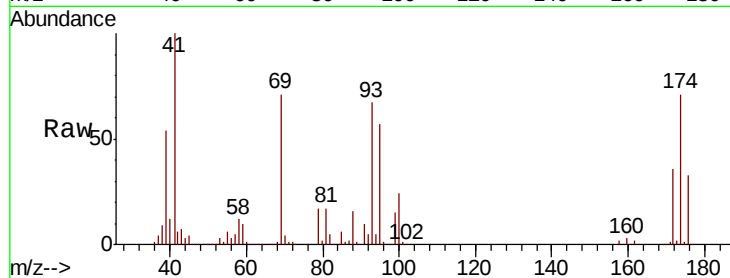
Tot Ion: 88 Resp: 39678

Ion Ratio Lower Upper

88 100

43 40.7 31.8 47.8

58 75.3 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)

250000

200000

150000

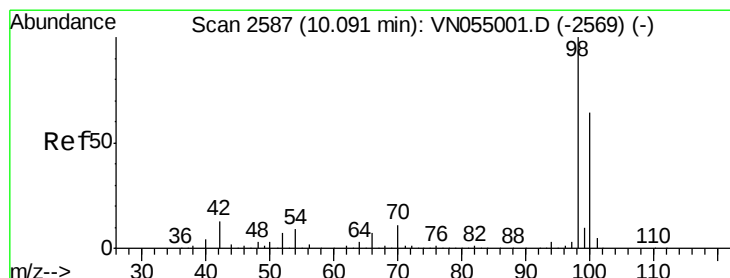
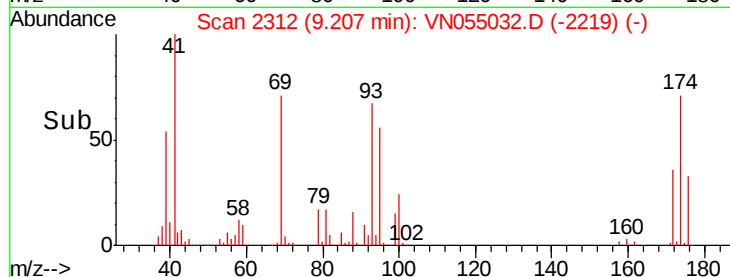
100000

50000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#50

Toluene-d8

Concen: 51.337 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055032.D

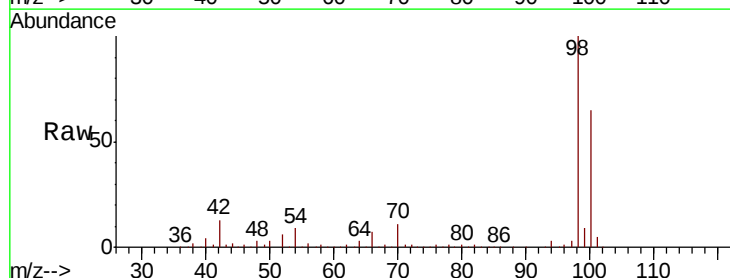
Acq: 13 Apr 2019 16:21

Tgt Ion: 98 Resp: 817484

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)

400000

300000

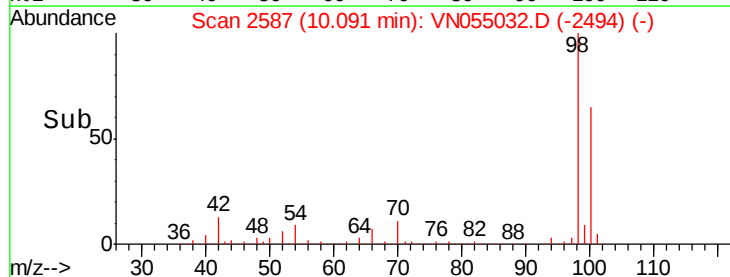
200000

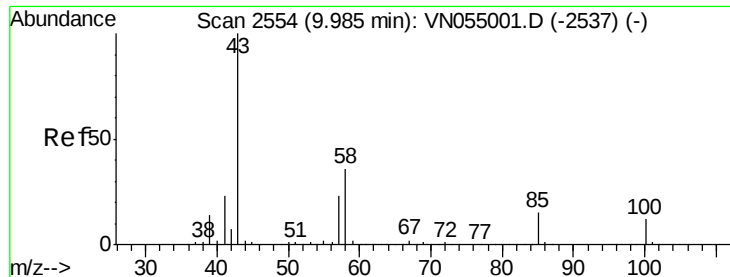
100000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 283.819 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

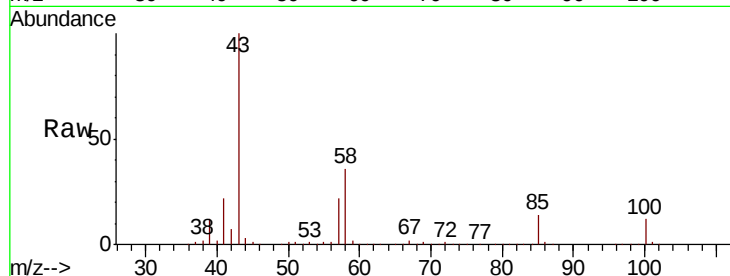
VSTDCCC050EC

Tot Ion: 43 Resp: 1340857

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2537) (-)

9.99

800000

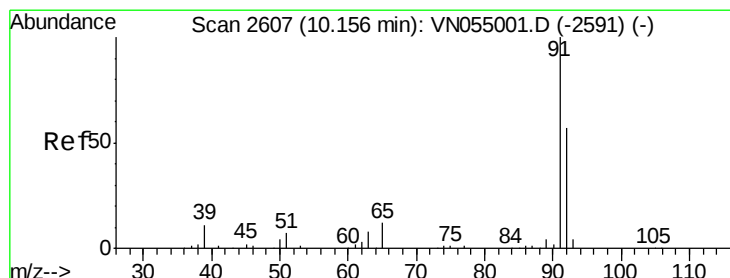
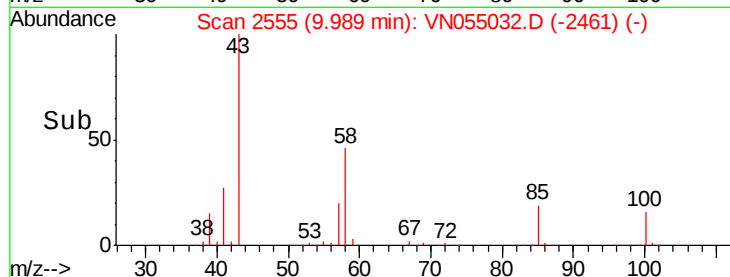
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.812 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055032.D

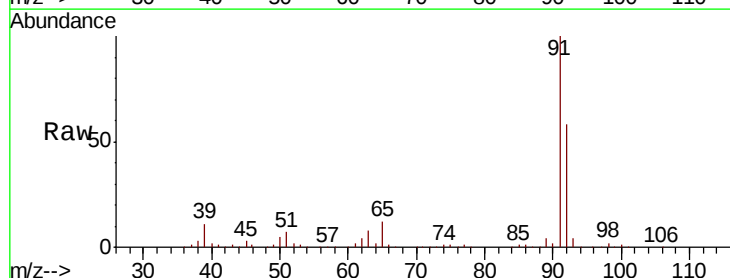
Acq: 13 Apr 2019 16:21

Tgt Ion: 92 Resp: 571072

Ion Ratio Lower Upper

92 100

91 175.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055001.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055001.D (-2591) (-)

10.16

600000

500000

400000

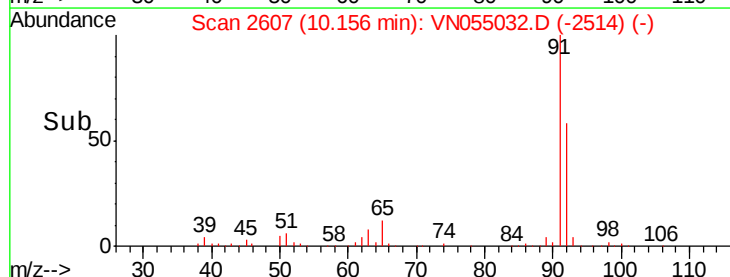
300000

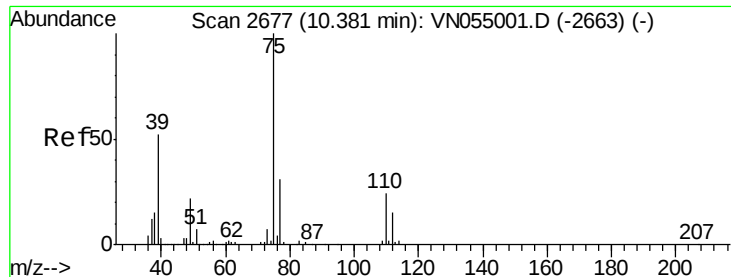
200000

100000

0

Time-->

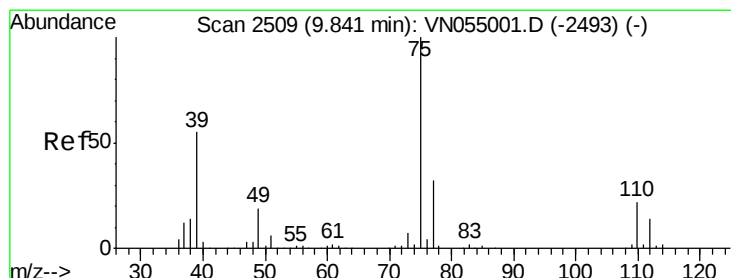
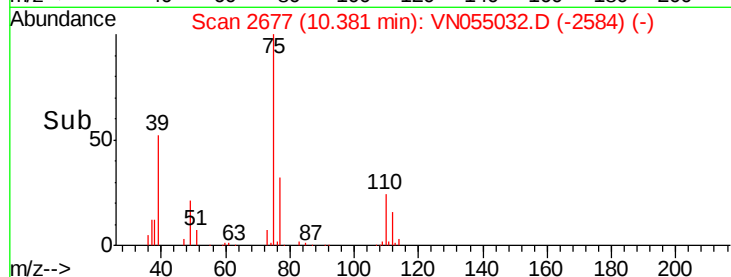
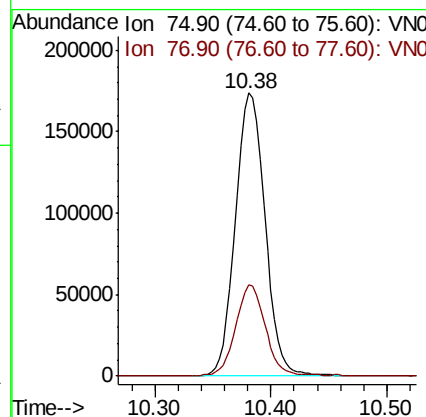
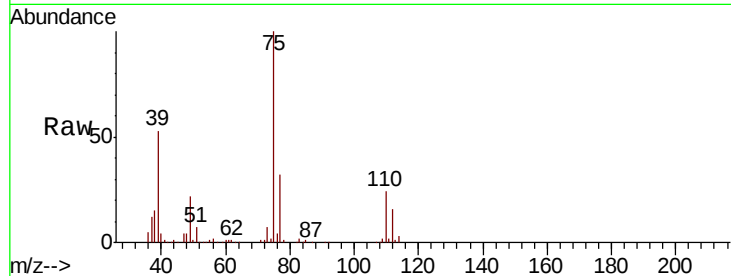




#53
t-1,3-Dichloropropene
Concen: 54.361 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

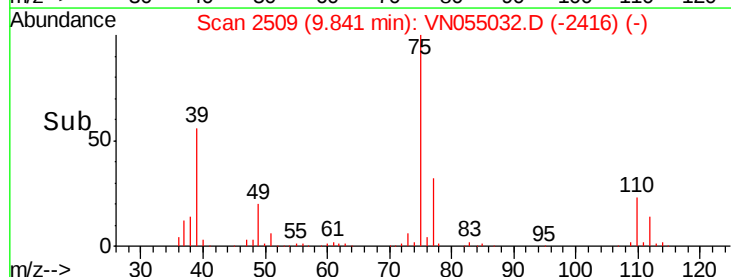
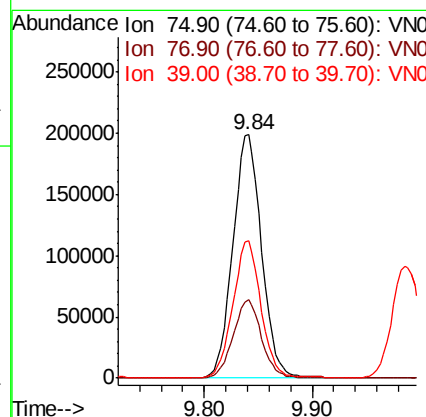
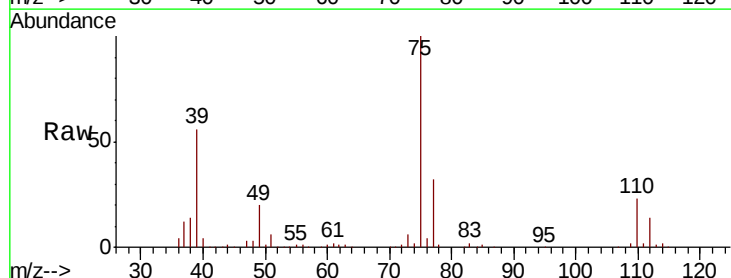
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

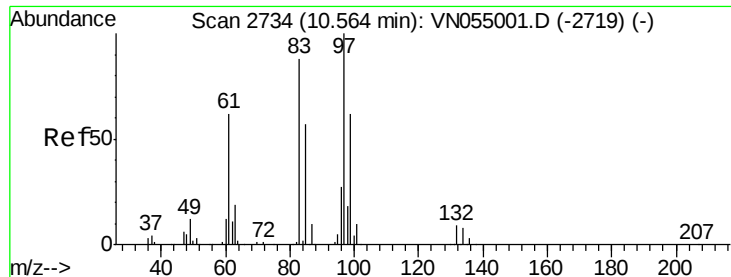
Tot Ion: 75 Resp: 307586
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 52.910 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 75 Resp: 368788
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6
39 56.1 43.8 65.8

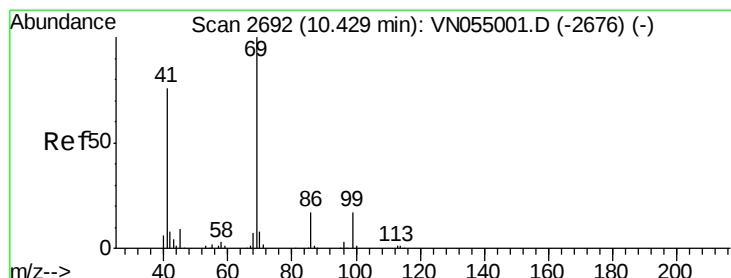
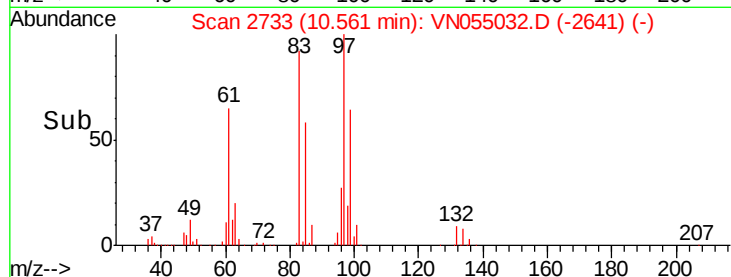
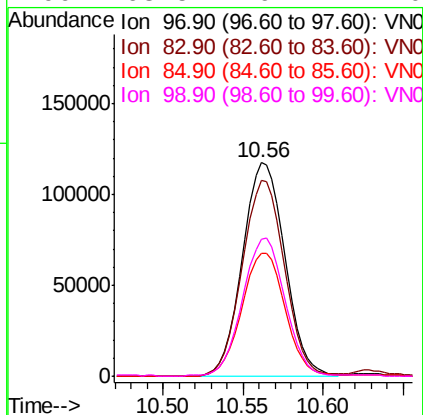
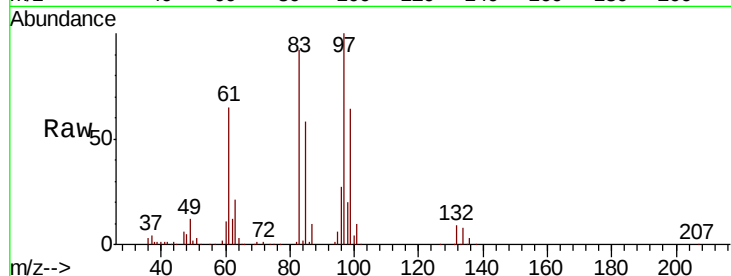




#55
 1,1,2-Trichloroethane
 Concen: 50.961 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

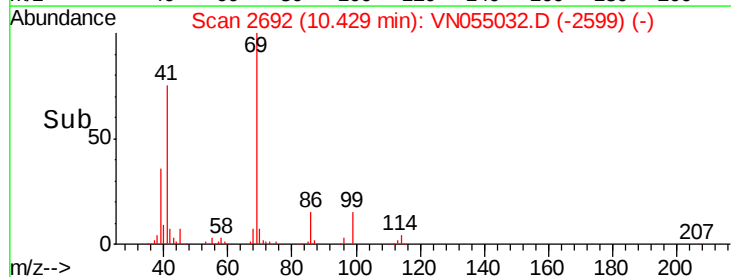
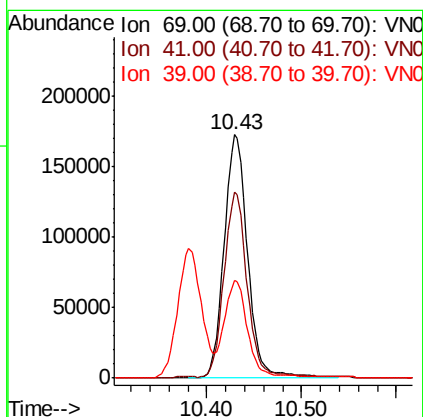
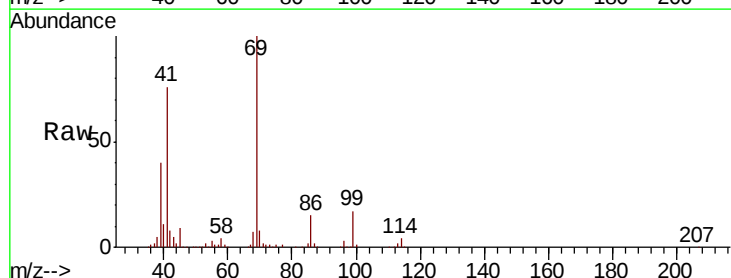
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

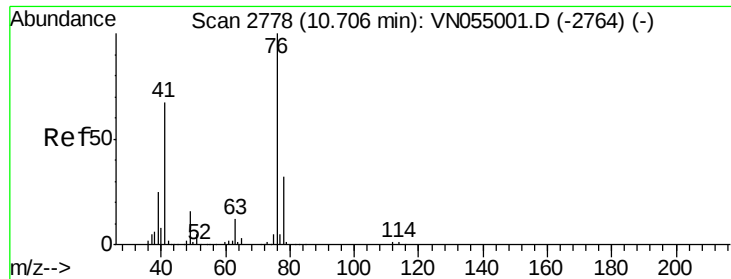
Tot Ion:	97	Resp:	213356
Ion	Ratio	Lower	Upper
97	100		
83	91.7	70.5	105.7
85	57.8	45.5	68.3
99	63.5	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 55.683 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion:	69	Resp:	299981
Ion	Ratio	Lower	Upper
69	100		
41	76.4	61.4	92.0
39	37.9	30.8	46.2





#57

1,3-Dichloropropane

Concen: 52.582 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

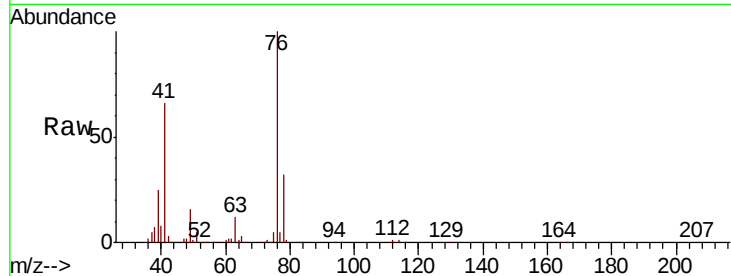
VSTDCCC050EC

Tot Ion: 76 Resp: 379761

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

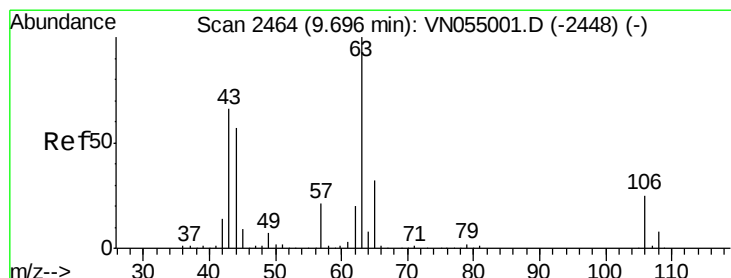
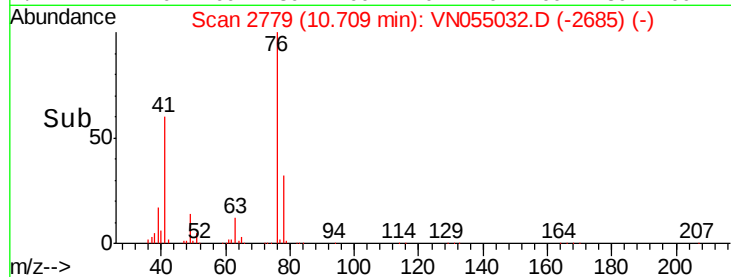
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 242.889 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055032.D

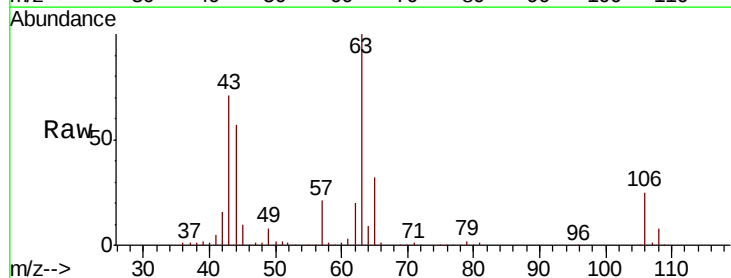
Acq: 13 Apr 2019 16:21

Tgt Ion: 63 Resp: 586600

Ion Ratio Lower Upper

63 100

106 24.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

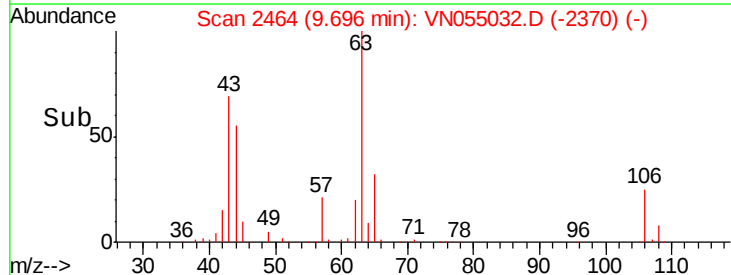
300000

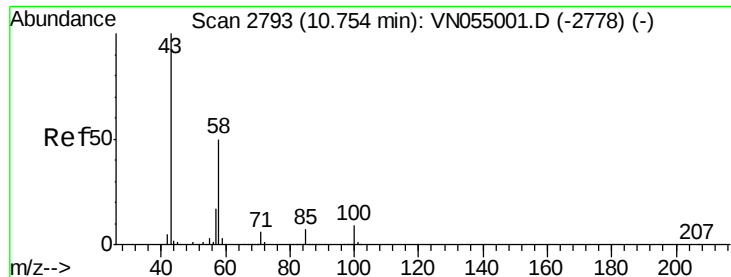
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

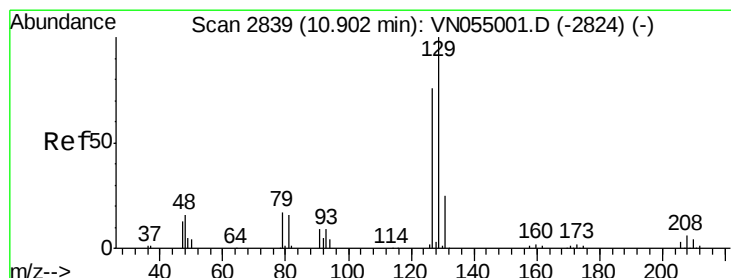
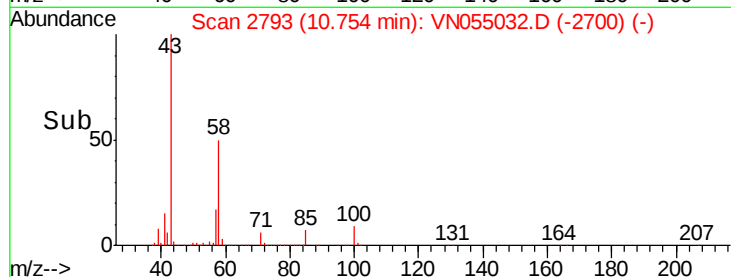
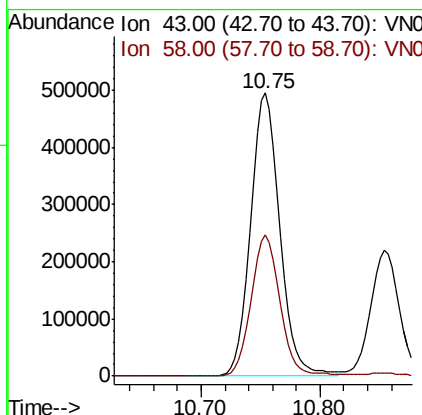
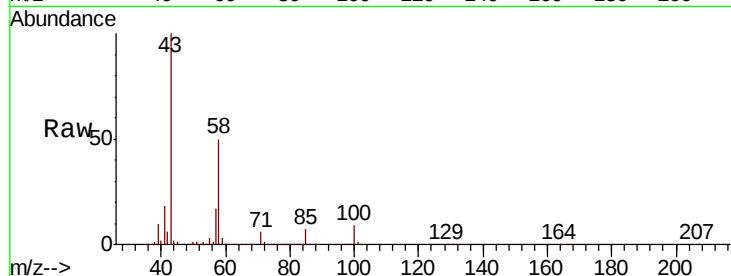




#59
2-Hexanone
Concen: 284.263 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

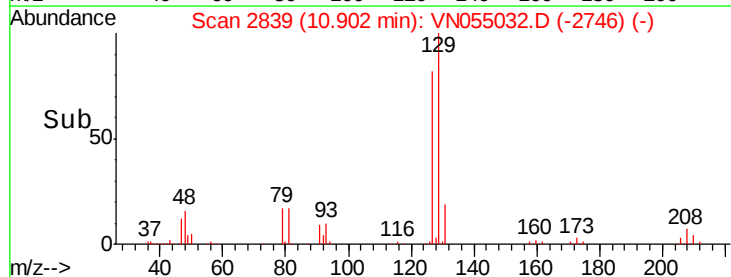
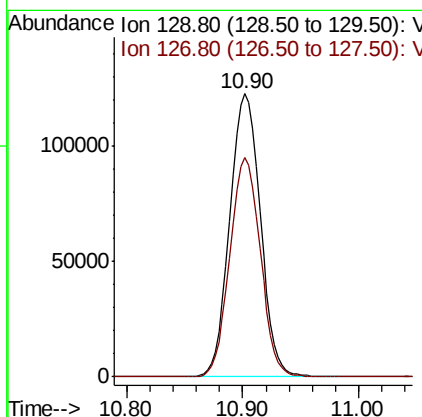
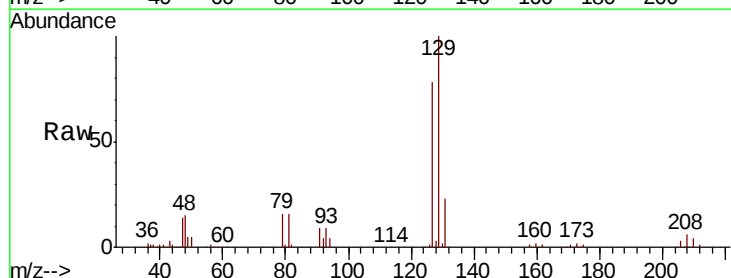
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

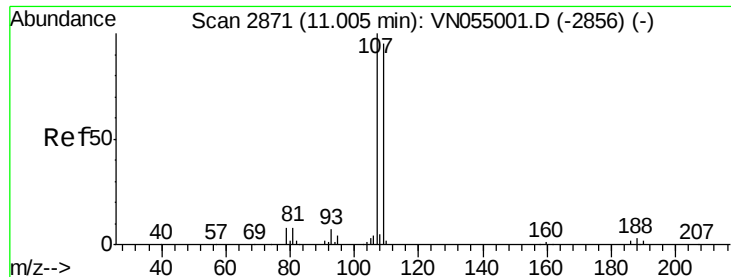
Tot Ion: 43 Resp: 839207
Ion Ratio Lower Upper
43 100
58 49.7 25.1 75.2



#60
Dibromochloromethane
Concen: 53.771 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion: 129 Resp: 224084
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 53.139 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

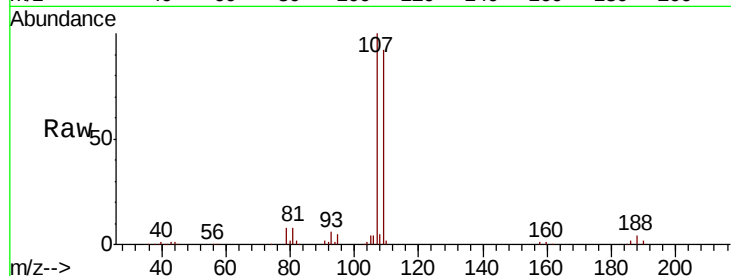
VSTDCCC050EC

Tot Ion:107 Resp: 213003

Ion Ratio Lower Upper

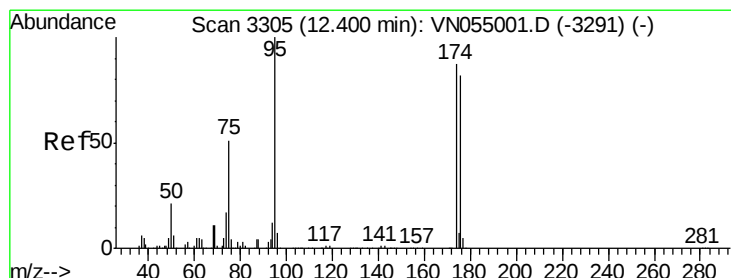
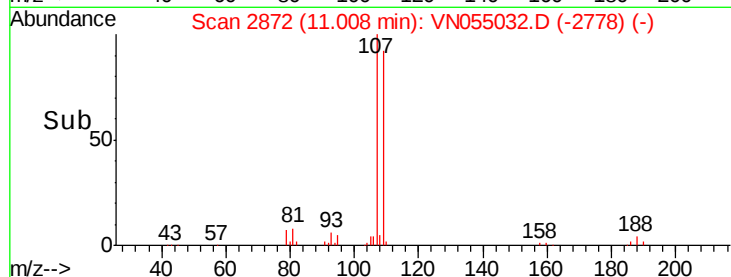
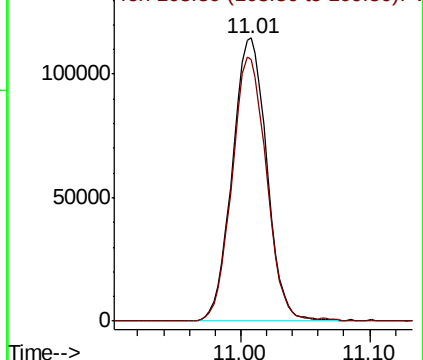
107 100

109 92.8 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.034 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

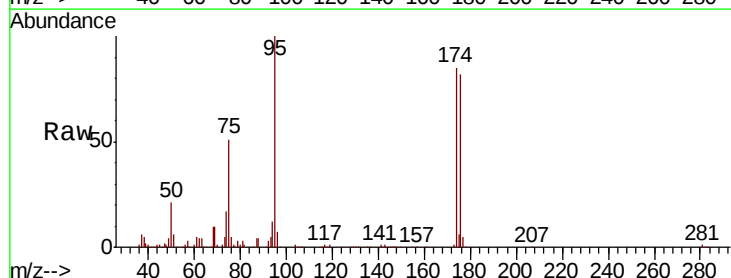
Tgt Ion: 95 Resp: 273741

Ion Ratio Lower Upper

95 100

174 85.8 0.0 174.4

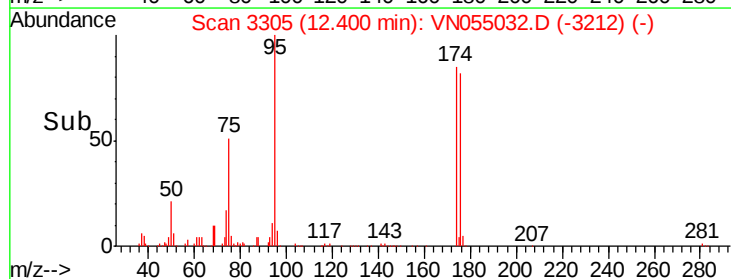
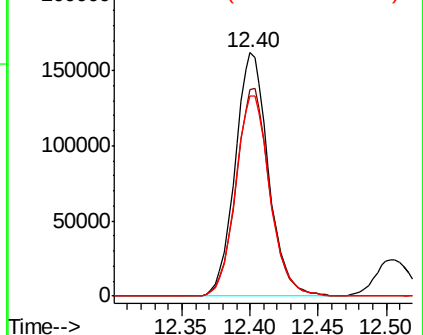
176 84.7 0.0 166.8

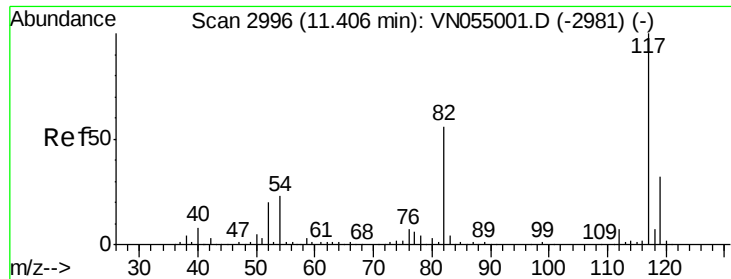


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

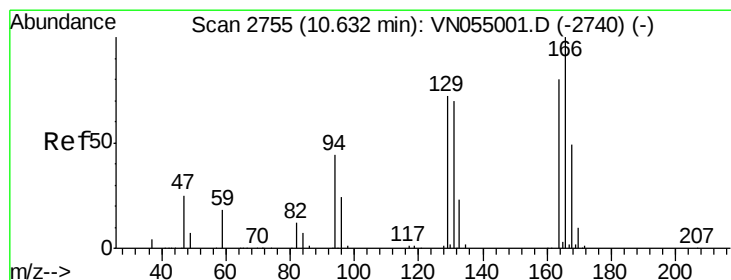
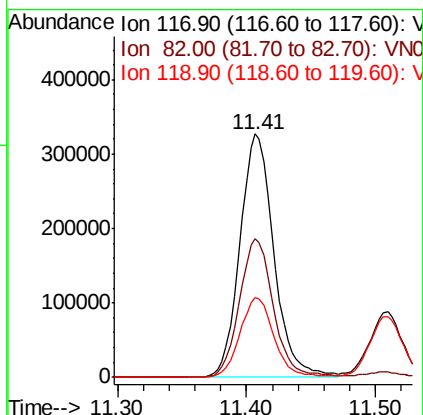
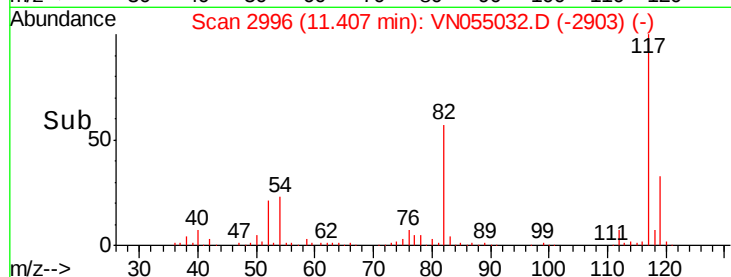
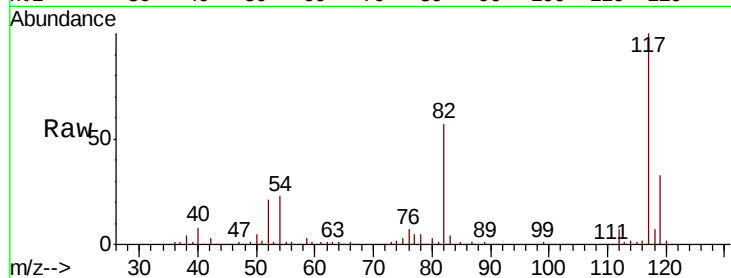




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

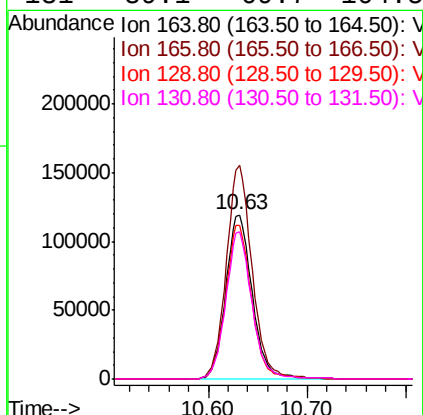
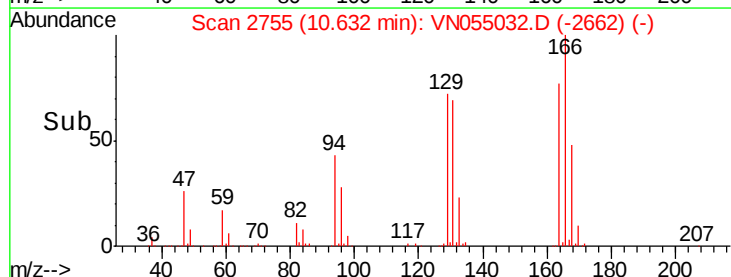
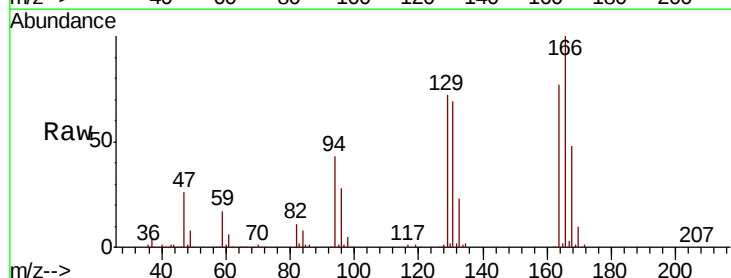
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

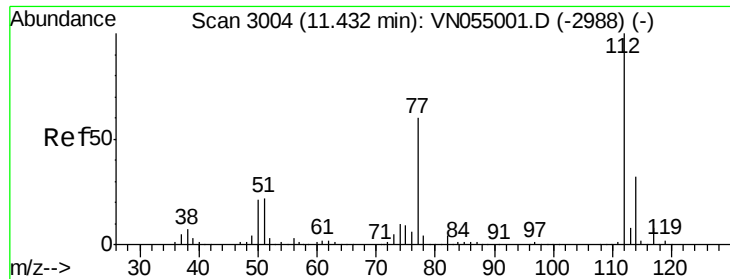
Tot Ion:117 Resp: 599715
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 47.863 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion:164 Resp: 224531
Ion Ratio Lower Upper
164 100
166 129.9 100.0 150.0
129 93.0 72.0 108.0
131 89.1 69.7 104.5

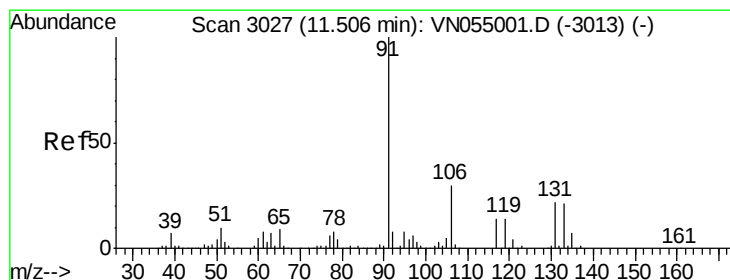
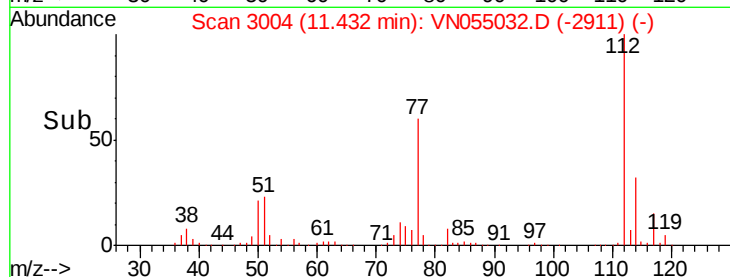
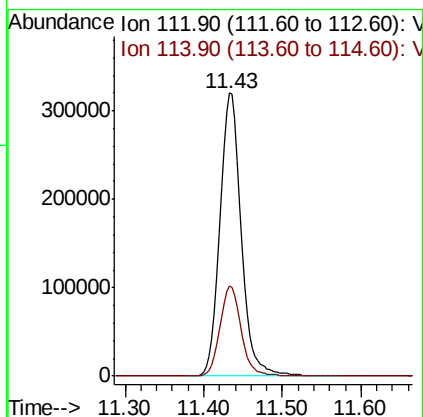
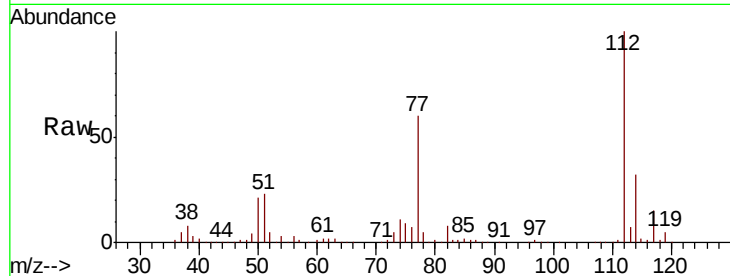




#65
Chlorobenzene
Concen: 51.659 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

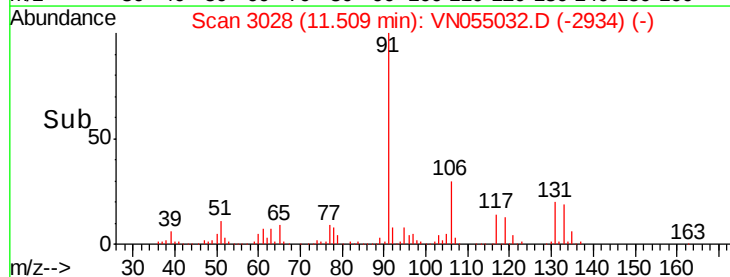
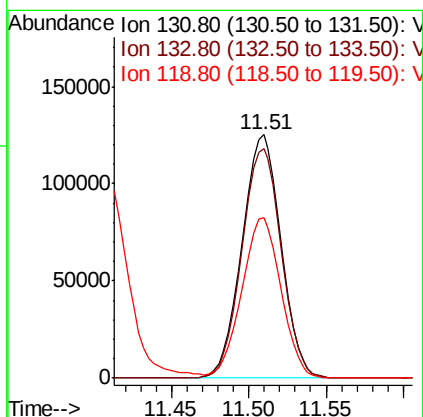
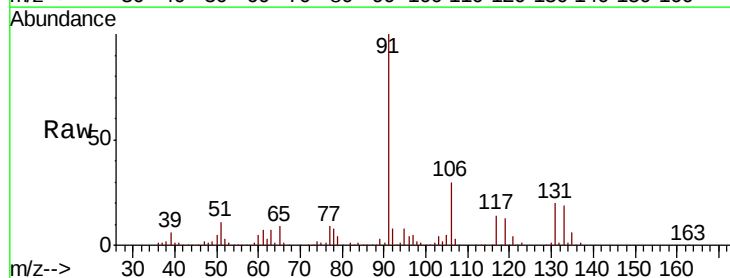
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

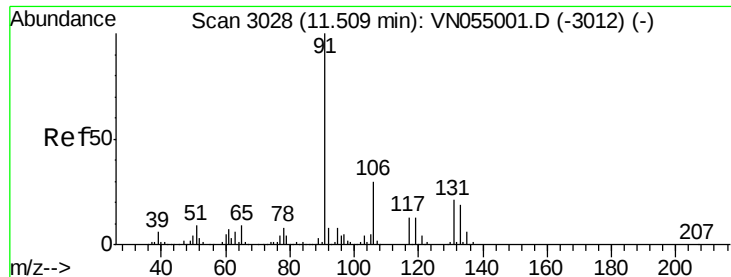
Tot Ion:112 Resp: 597366
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.595 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion:131 Resp: 219871
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.3 33.6 100.6





#67

Ethyl Benzene

Concen: 50.661 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

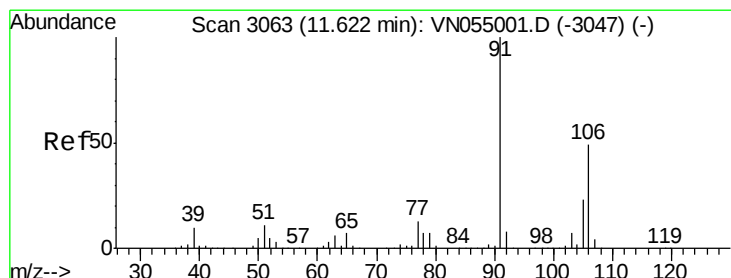
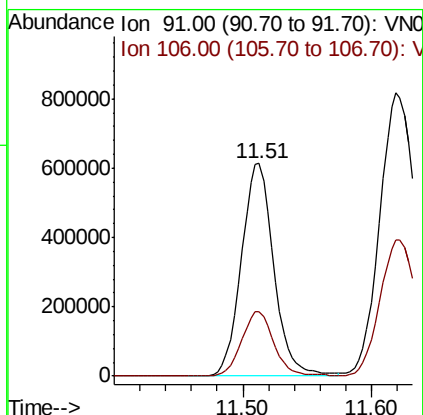
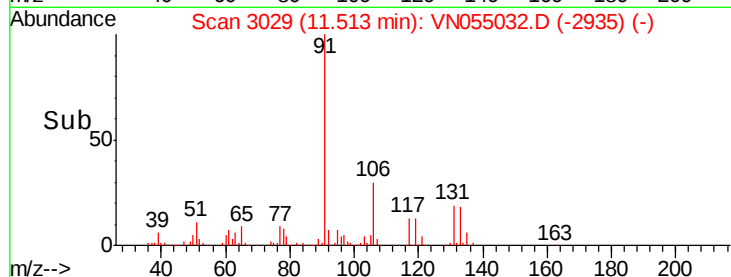
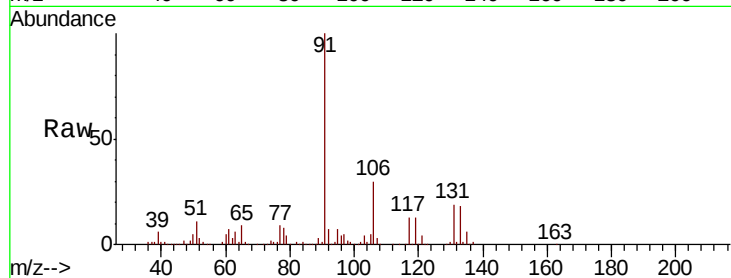
VSTDCCC050EC

Tot Ion: 91 Resp: 1076092

Ion Ratio Lower Upper

91 100

106 30.4 24.3 36.5



#68

m/p-Xylenes

Concen: 103.356 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055032.D

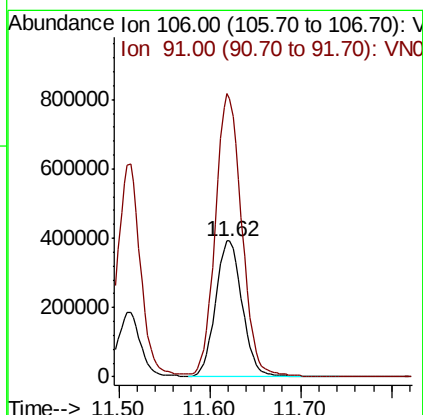
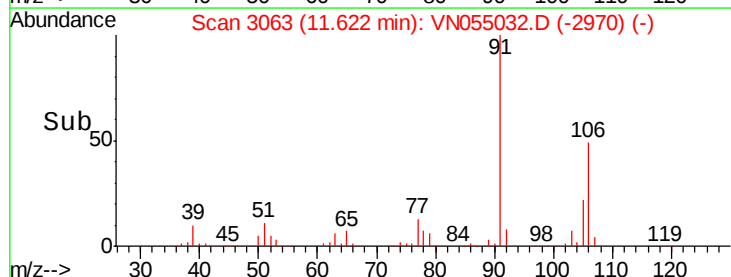
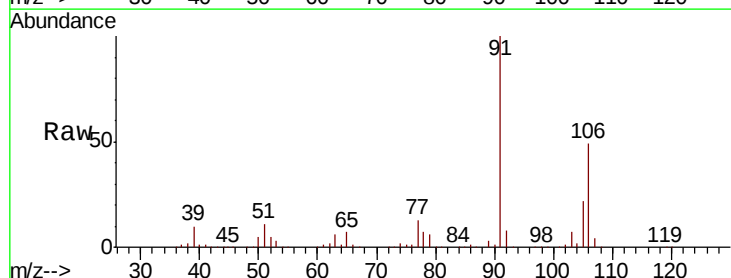
Acq: 13 Apr 2019 16:21

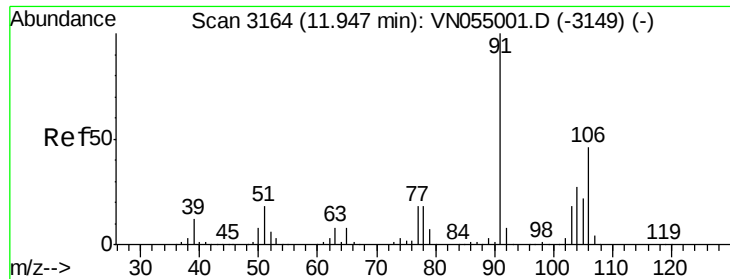
Tgt Ion: 106 Resp: 803204

Ion Ratio Lower Upper

106 100

91 206.0 165.9 248.9

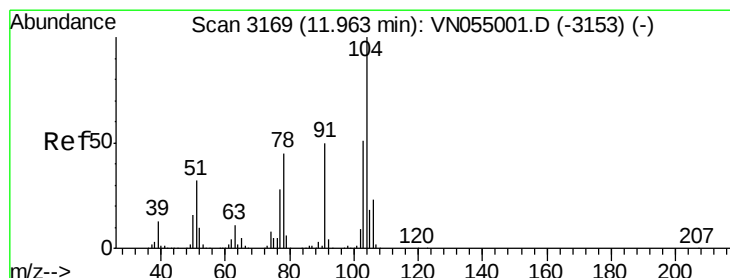
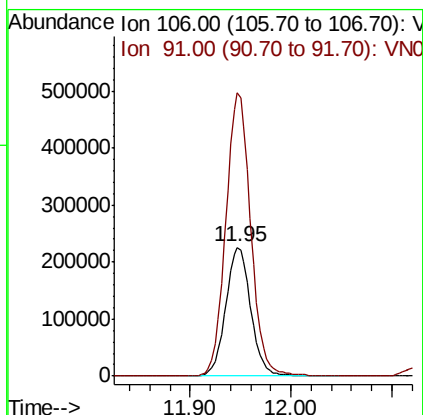
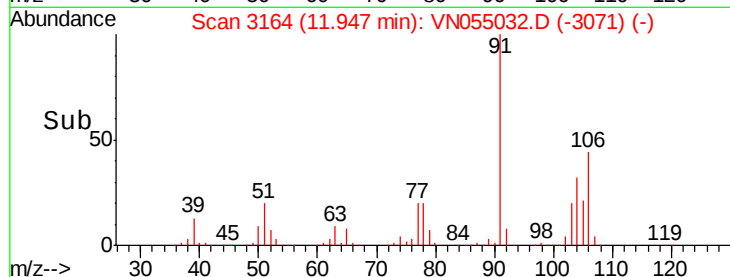
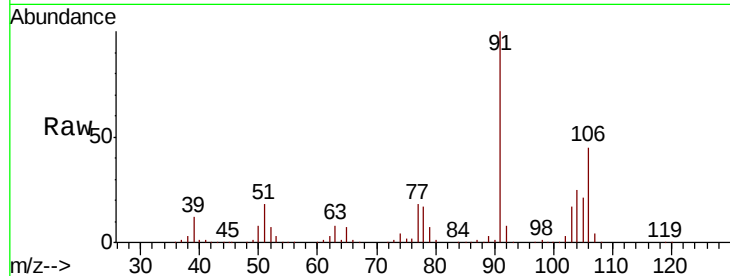




#69
o-Xylene
Concen: 50.788 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

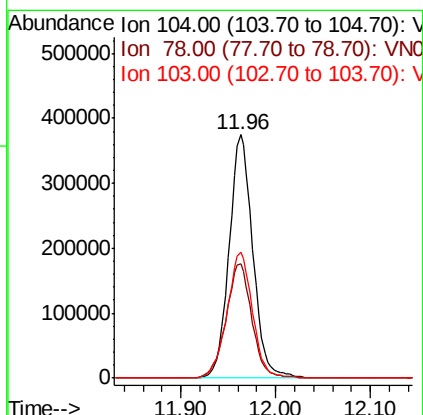
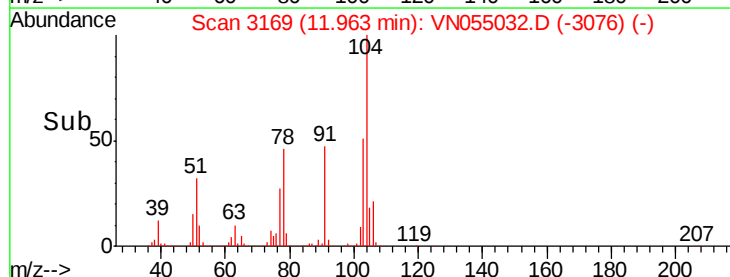
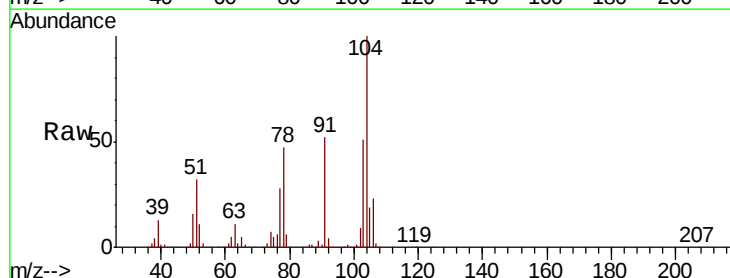
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

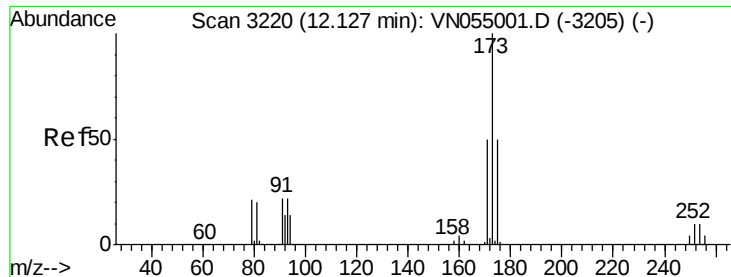
Tot Ion:106 Resp: 390514
Ion Ratio Lower Upper
106 100
91 219.5 109.9 329.8



#70
Styrene
Concen: 53.468 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion:104 Resp: 651873
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 55.7 44.3 66.5





#71

Bromoform

Concen: 48.837 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

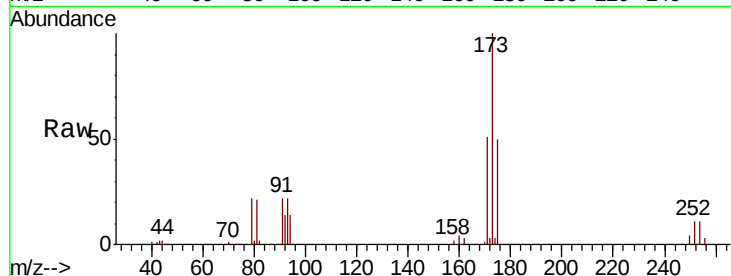
Tot Ion:173 Resp: 142519

Ion Ratio Lower Upper

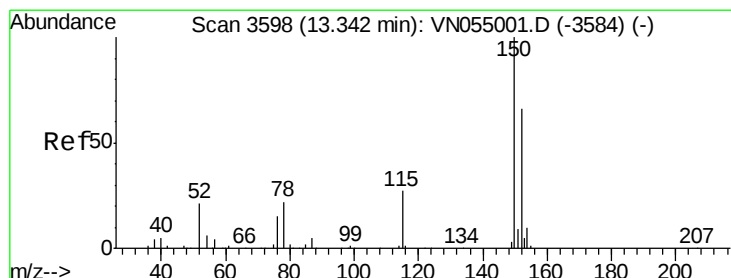
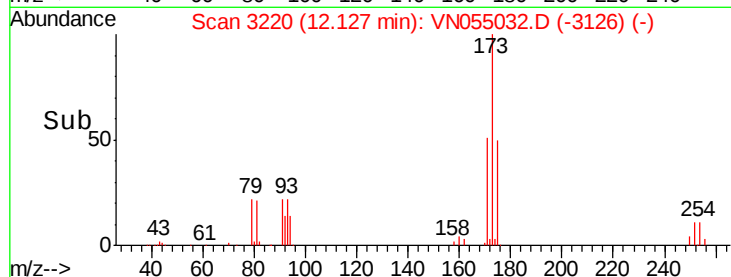
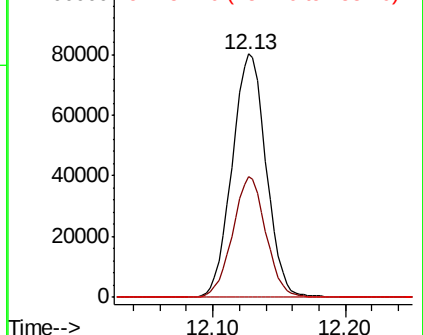
173 100

175 48.5 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

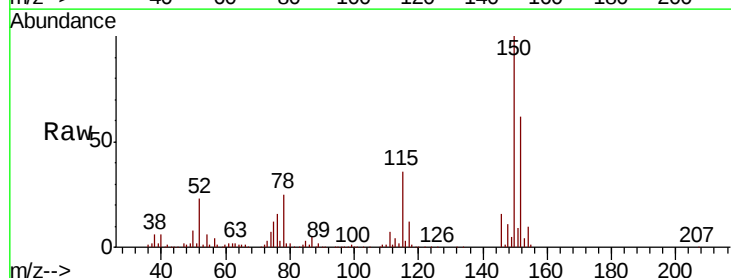
Tgt Ion:152 Resp: 259558

Ion Ratio Lower Upper

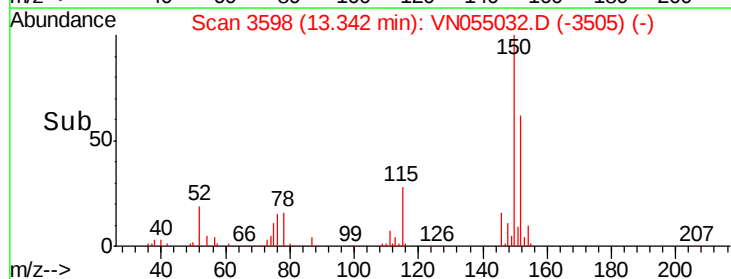
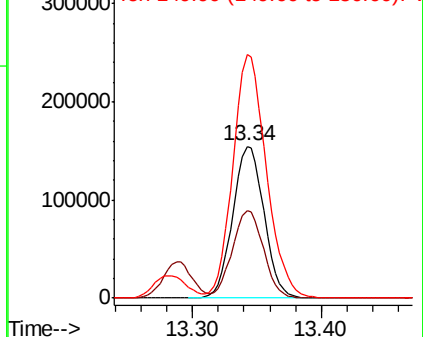
152 100

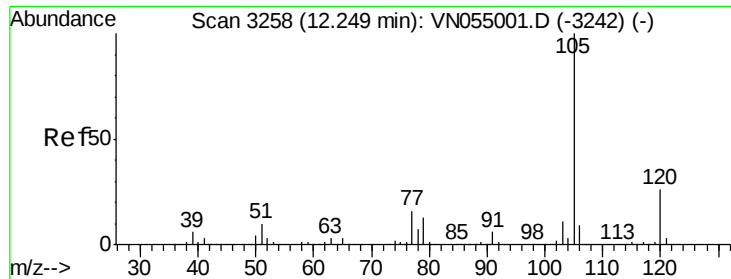
115 57.9 28.5 85.6

150 171.9 0.0 347.2



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





#73

Isopropylbenzene

Concen: 45.994 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

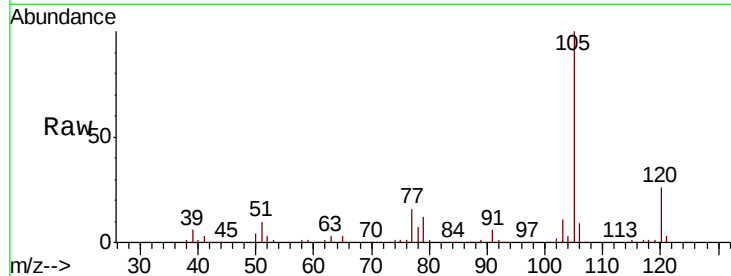
VSTDCCC050EC

Tot Ion:105 Resp: 1015014

Ion Ratio Lower Upper

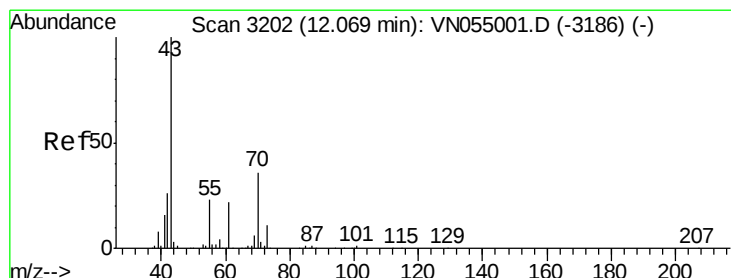
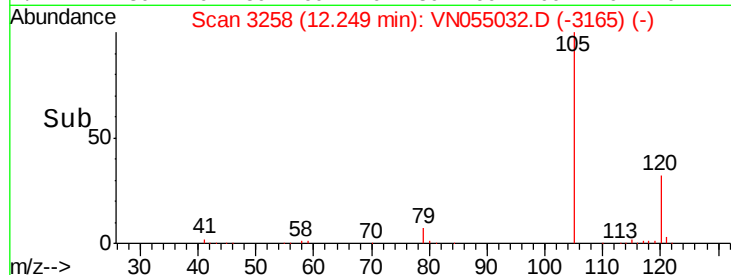
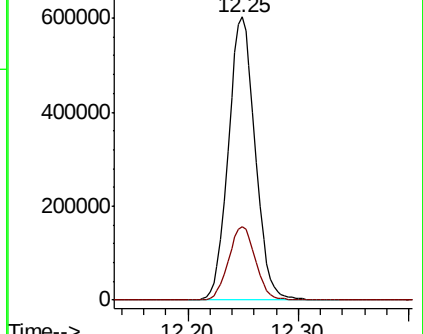
105 100

120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.325 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Tgt Ion: 43 Resp: 361356

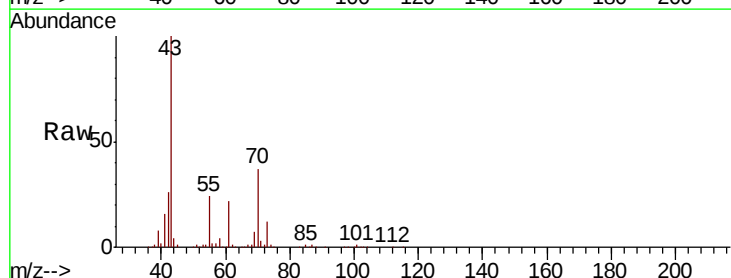
Ion Ratio Lower Upper

43 100

70 36.2 29.4 44.0

55 23.6 19.0 28.4

61 22.0 17.7 26.5

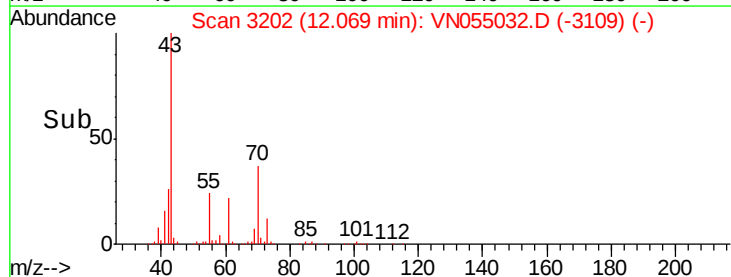
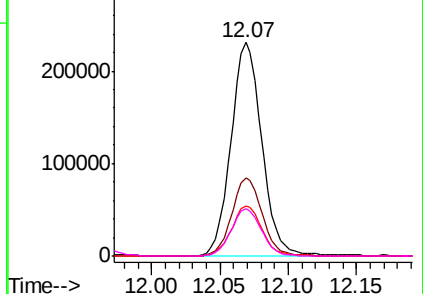


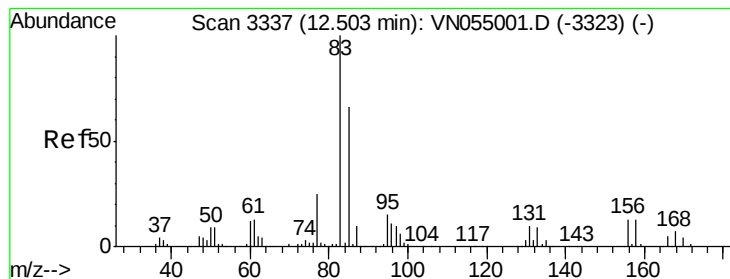
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.463 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

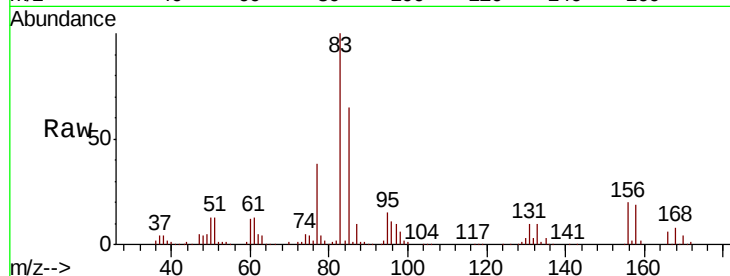
Tot Ion: 83 Resp: 276901

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

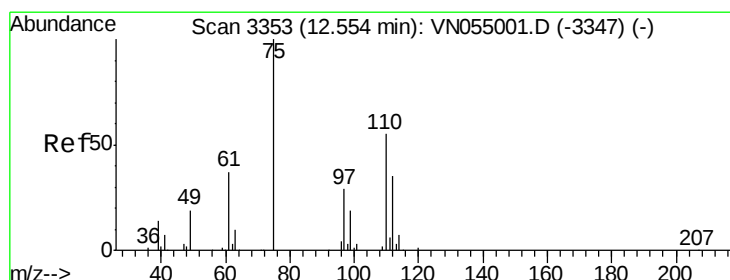
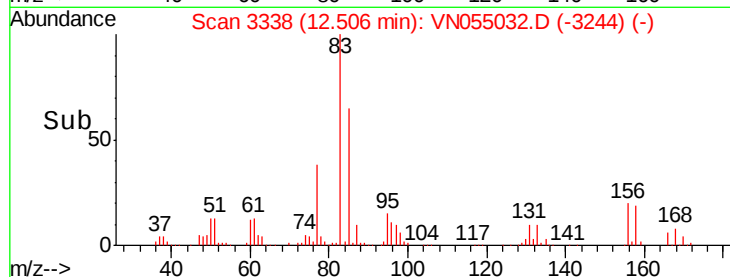
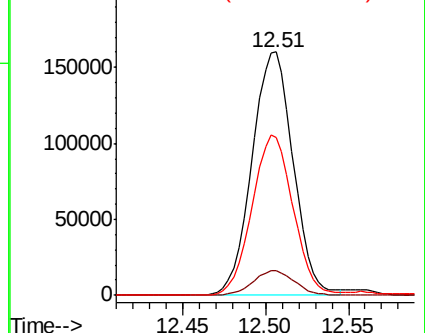
85 65.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN055001.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055001.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055001.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 68.431 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055032.D

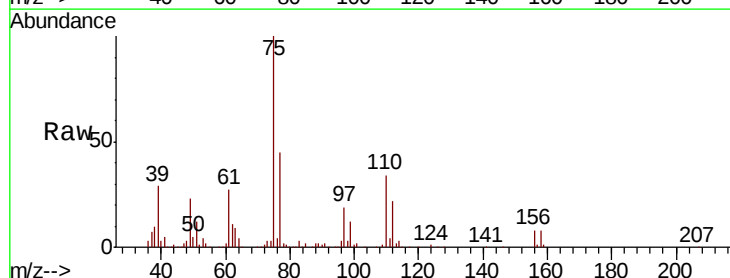
Acq: 13 Apr 2019 16:21

Tgt Ion: 75 Resp: 326773

Ion Ratio Lower Upper

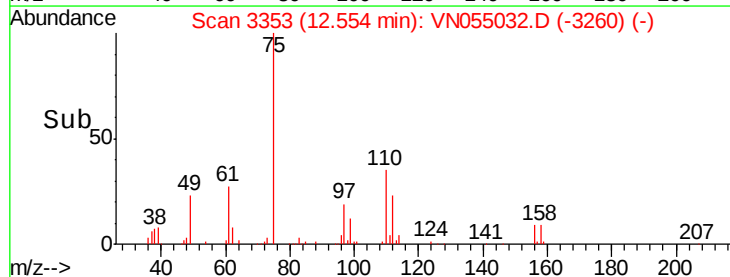
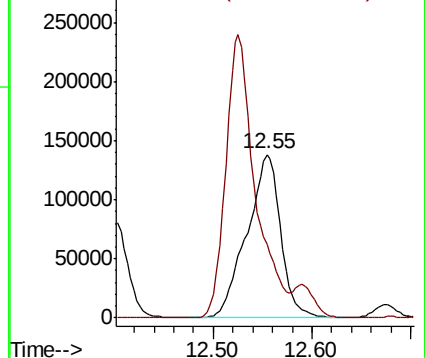
75 100

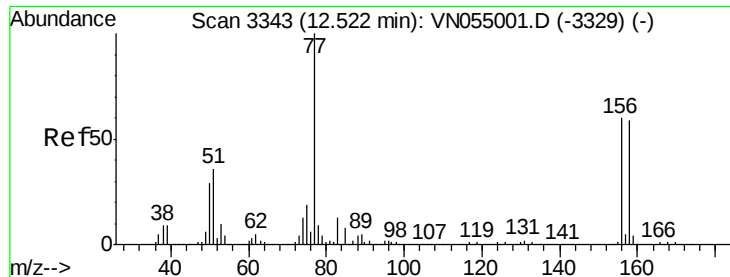
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055001.D (-3347) (-)





#77

Bromobenzene

Concen: 51.298 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

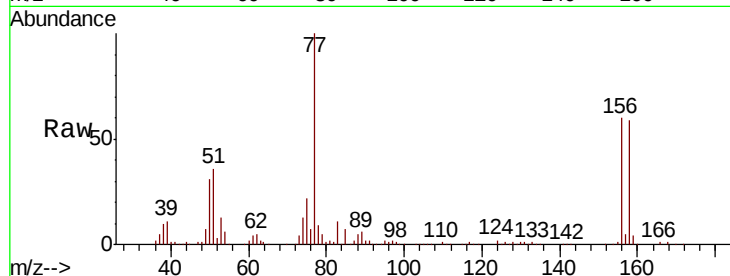
Tot Ion:156 Resp: 253702

Ion Ratio Lower Upper

156 100

77 197.8 97.2 291.5

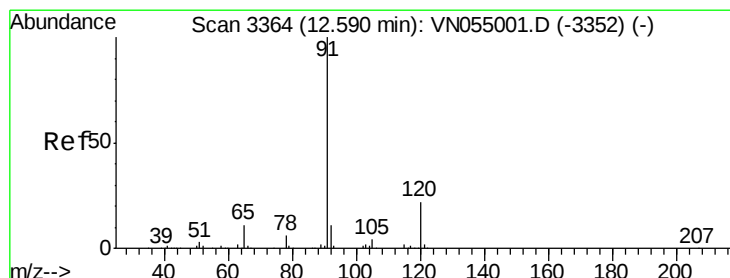
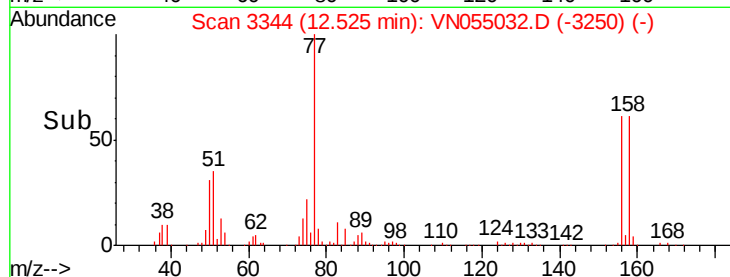
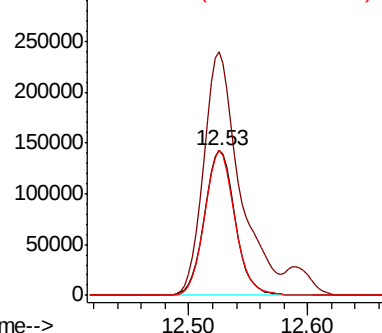
158 98.7 48.6 145.9



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: 46.584 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055032.D

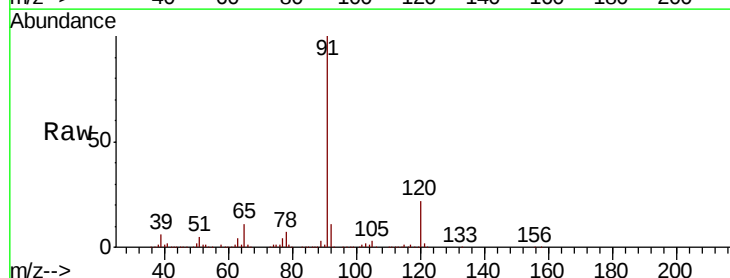
Acq: 13 Apr 2019 16:21

Tgt Ion: 91 Resp: 1120044

Ion Ratio Lower Upper

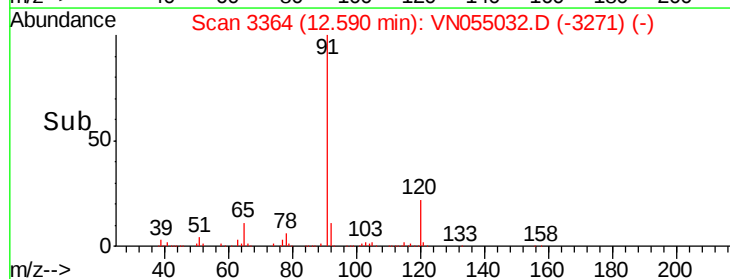
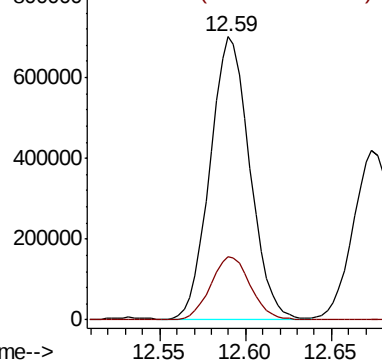
91 100

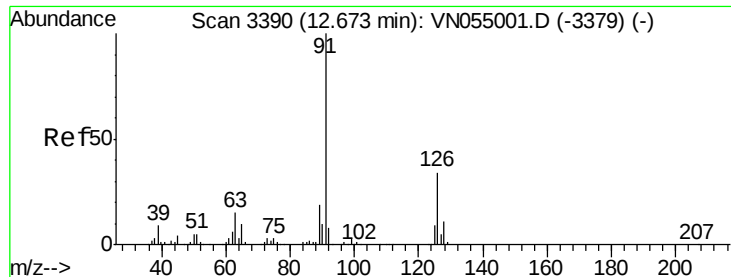
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.859 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

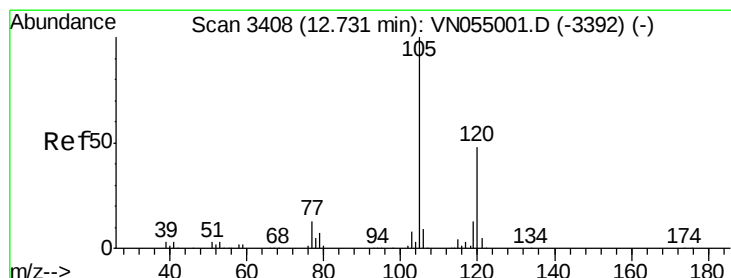
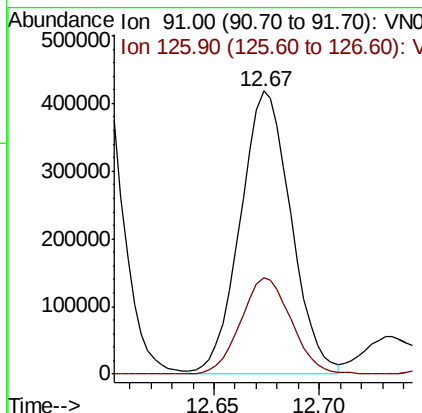
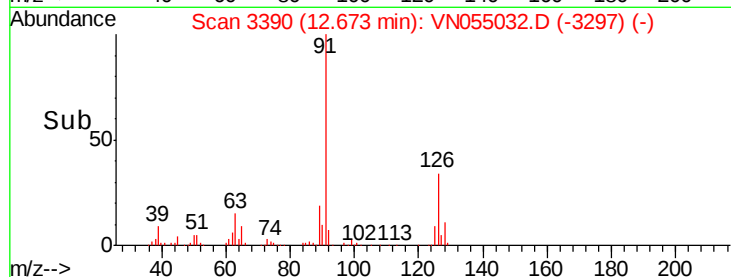
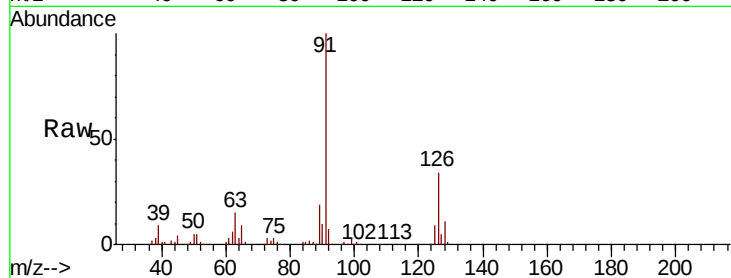
VSTDCCC050EC

Tot Ion: 91 Resp: 696002

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 45.953 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055032.D

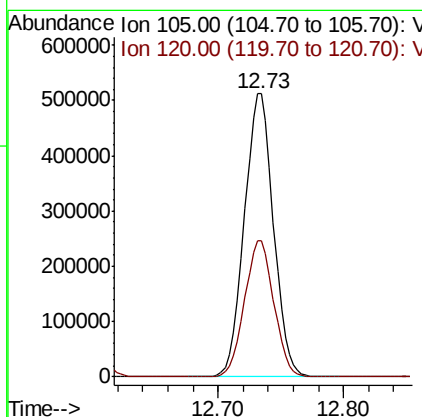
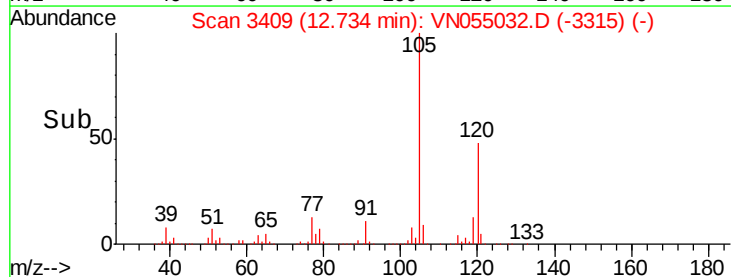
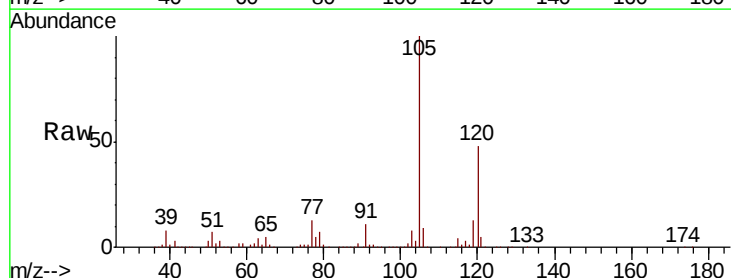
Acq: 13 Apr 2019 16:21

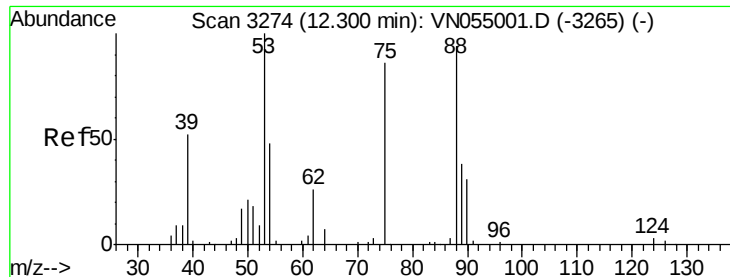
Tgt Ion: 105 Resp: 825562

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.647 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

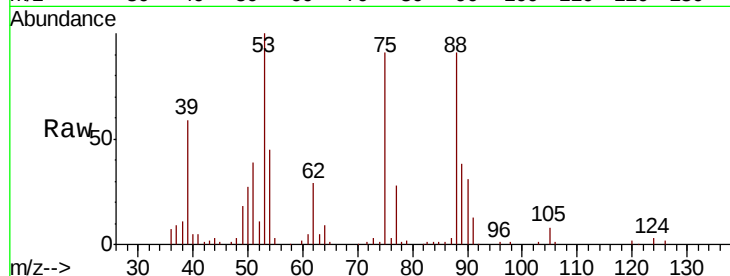
Tot Ion: 75 Resp: 63223

Ion Ratio Lower Upper

75 100

53 114.4 96.3 144.5

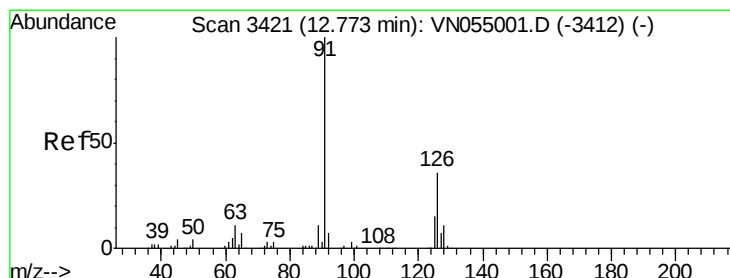
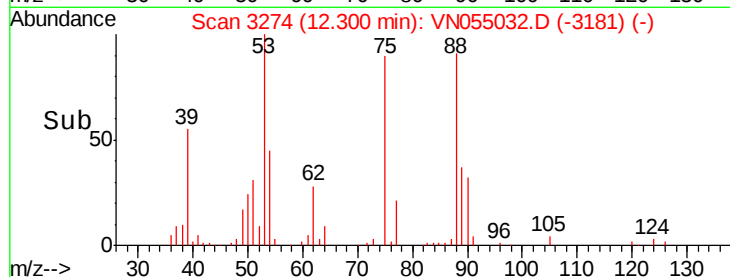
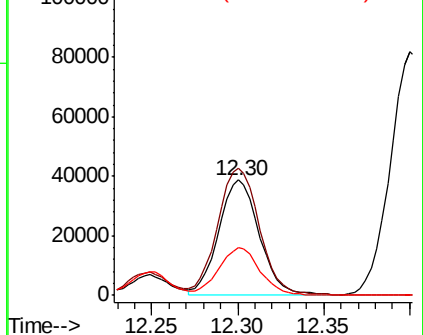
89 42.6 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.079 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055032.D

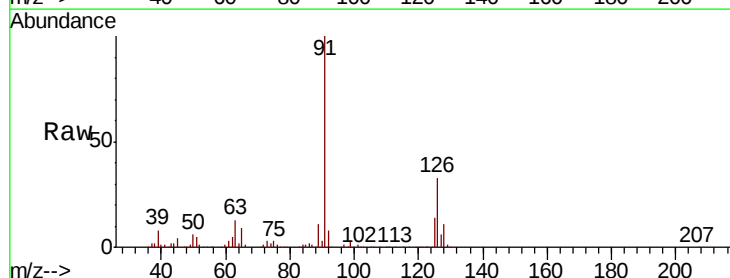
Acq: 13 Apr 2019 16:21

Tgt Ion: 91 Resp: 690647

Ion Ratio Lower Upper

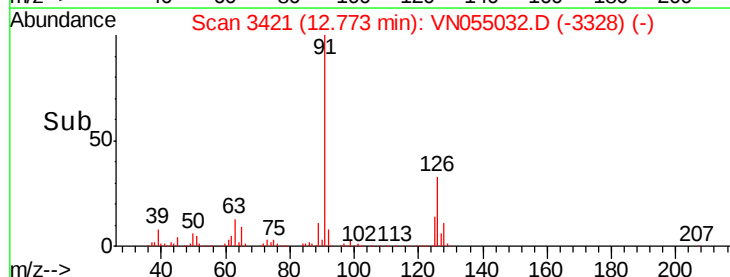
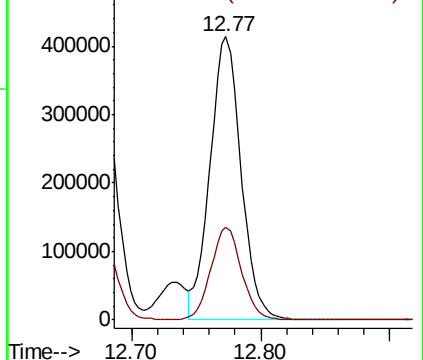
91 100

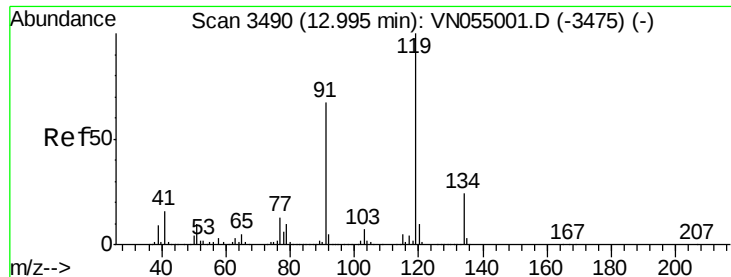
126 32.4 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

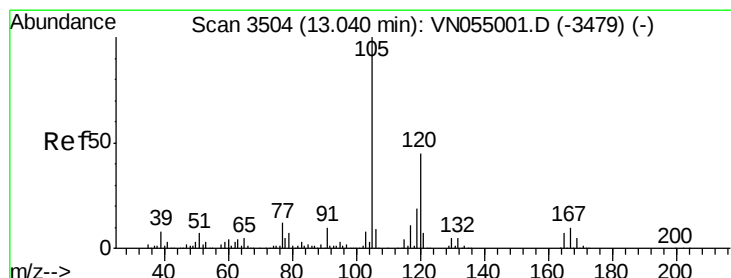
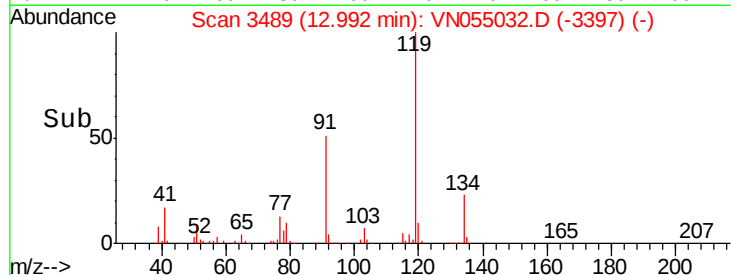
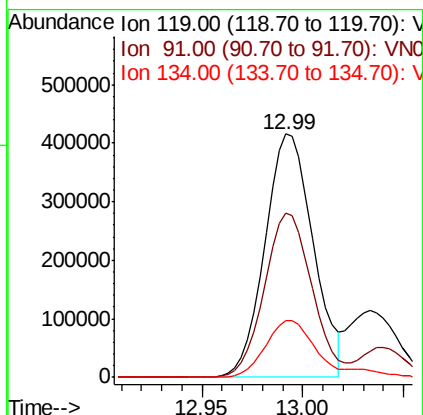
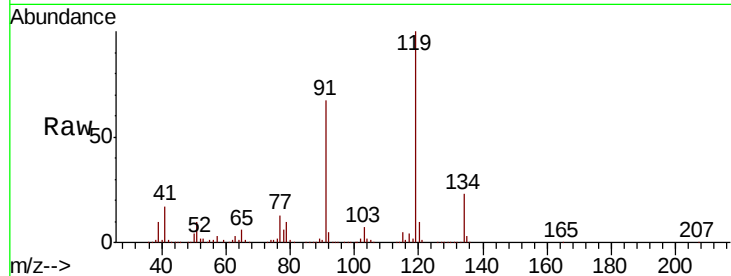




#83
 tert-Butylbenzene
 Concen: 44.851 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

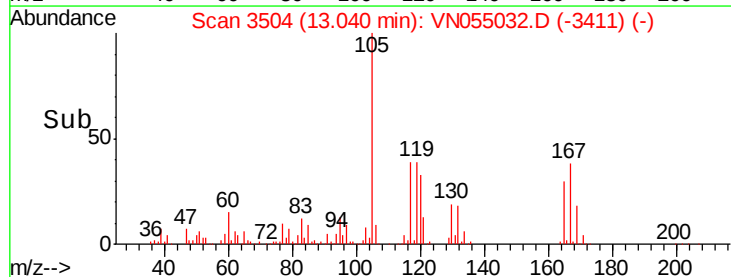
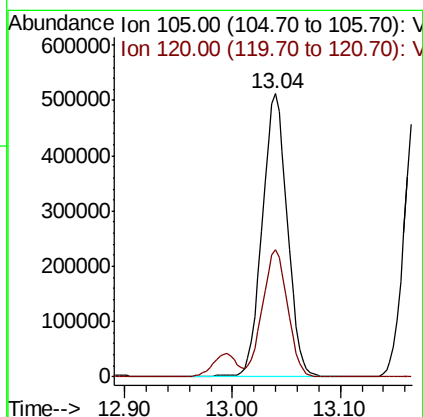
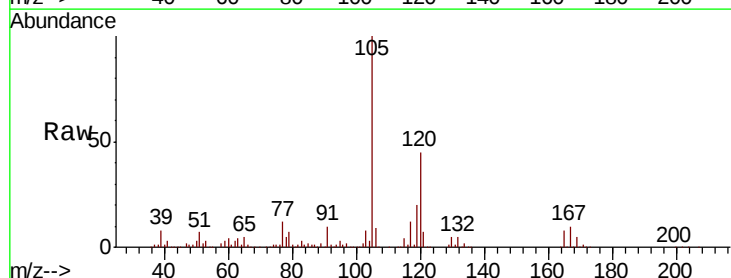
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

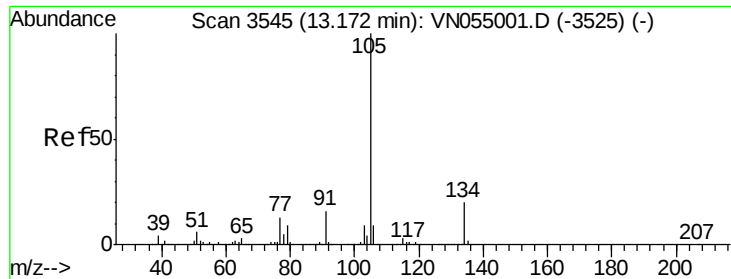
Tot Ion:119 Resp: 690284
 Ion Ratio Lower Upper
 119 100
 91 66.3 33.3 99.8
 134 23.9 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.933 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion:105 Resp: 825716
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3

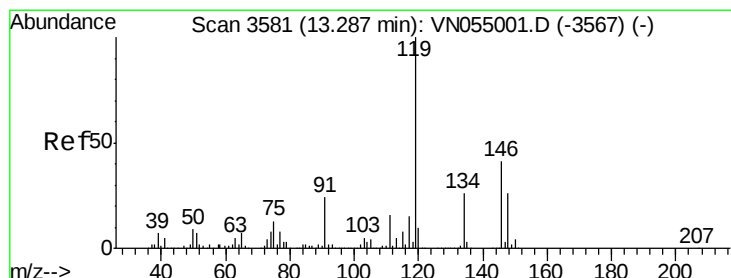
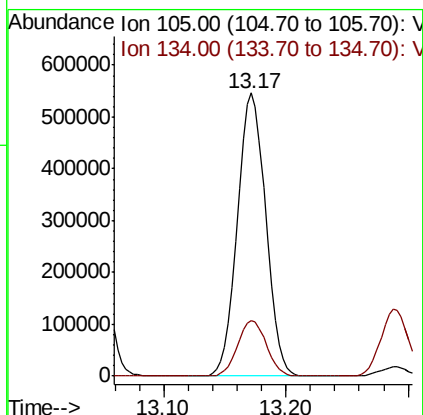
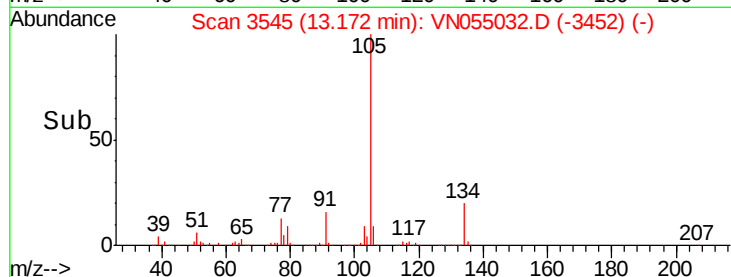
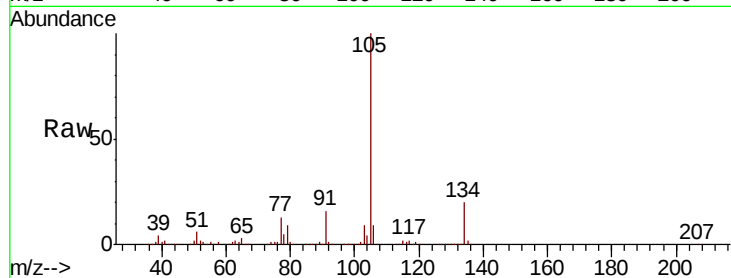




#85
 sec-Butylbenzene
 Concen: 44.573 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

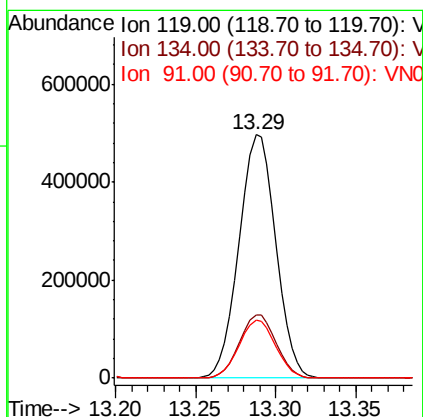
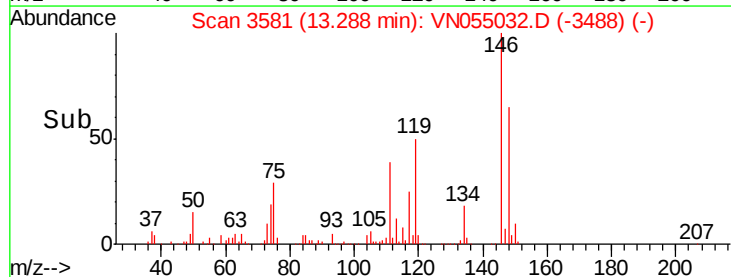
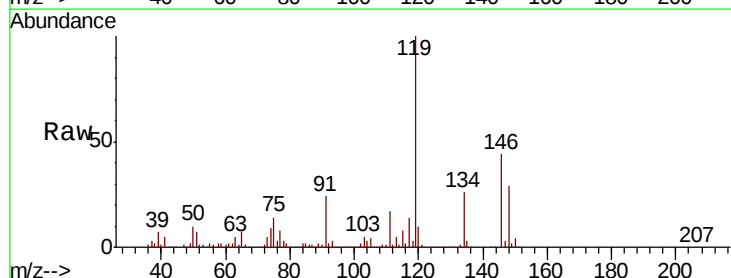
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

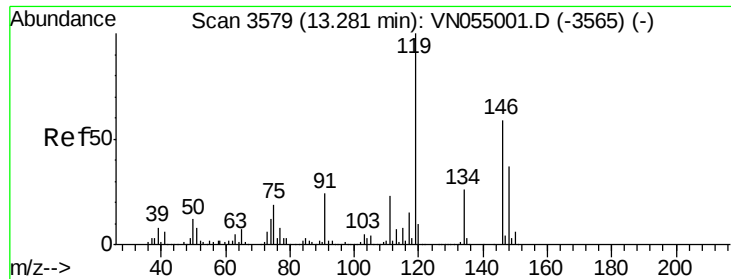
Tot Ion:105 Resp: 875887
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 45.291 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion:119 Resp: 774125
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 23.9 11.7 35.1

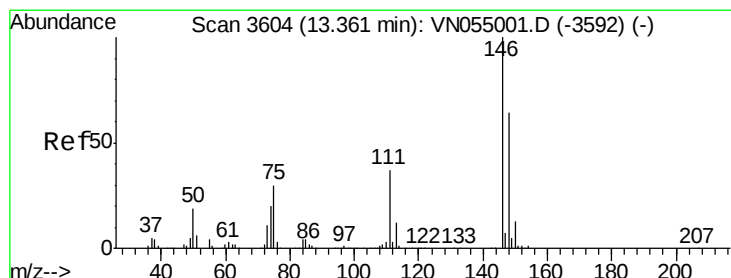
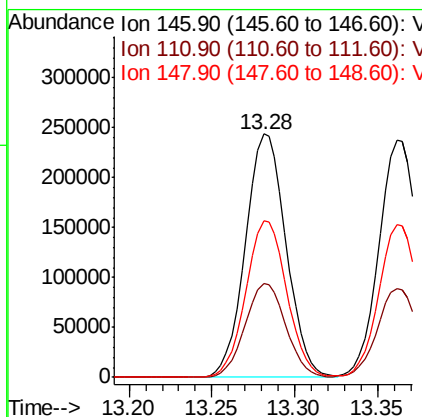
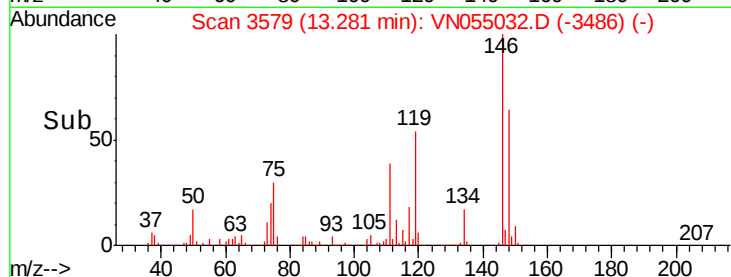
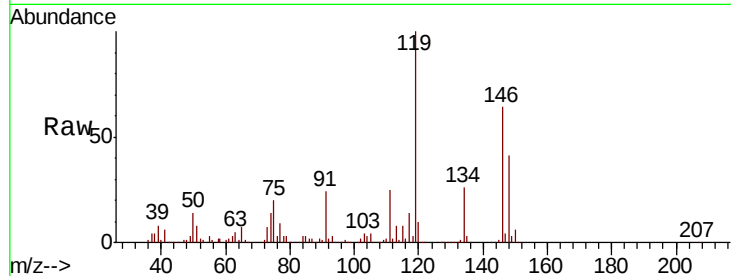




#87
 1,3-Dichlorobenzene
 Concen: 47.115 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

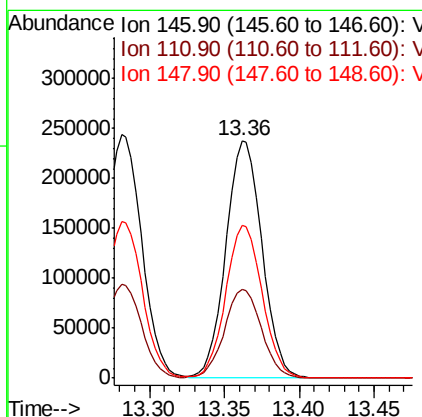
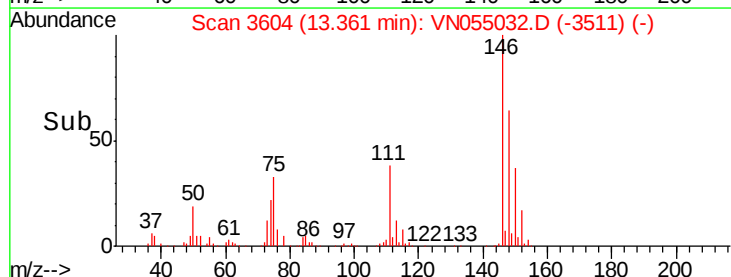
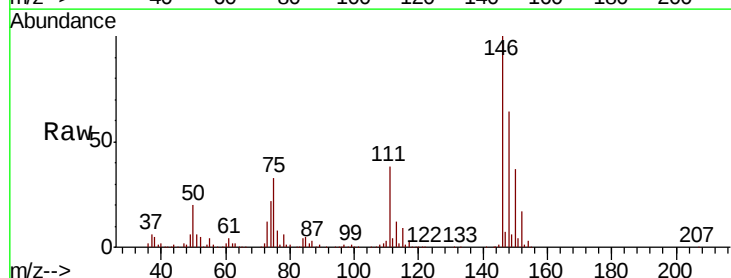
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

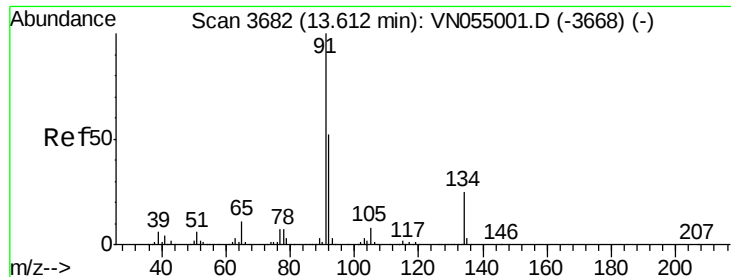
Tot Ion:146 Resp: 415375
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.5 58.5
 148 64.7 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 47.390 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion:146 Resp: 399593
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.8 56.4
 148 65.1 32.4 97.2





#89

n-Butylbenzene

Concen: 45.823 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

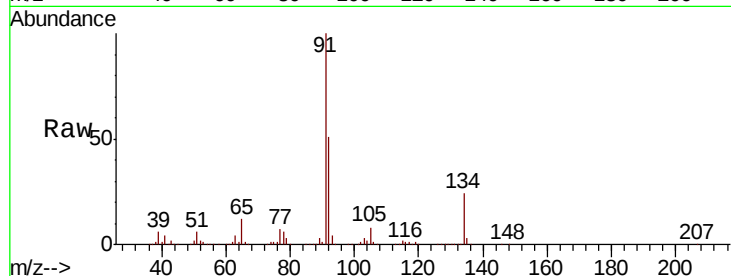
Tot Ion: 91 Resp: 615125

Ion Ratio Lower Upper

91 100

92 51.6 25.9 77.7

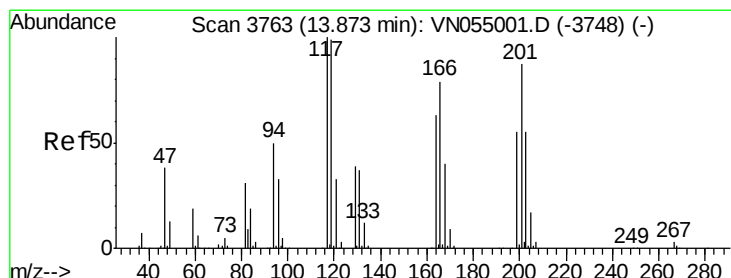
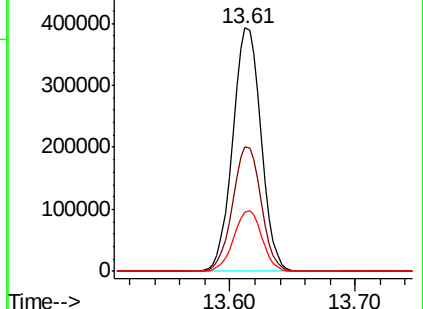
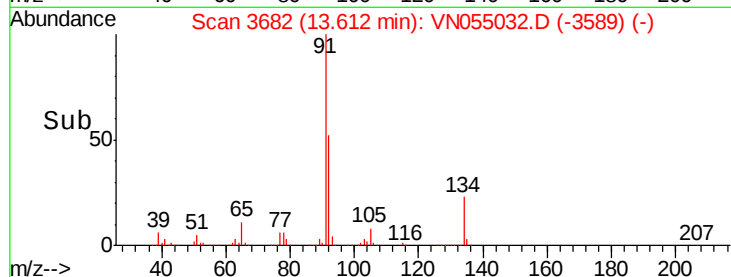
134 24.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)



#90

Hexachloroethane

Concen: 43.253 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055032.D

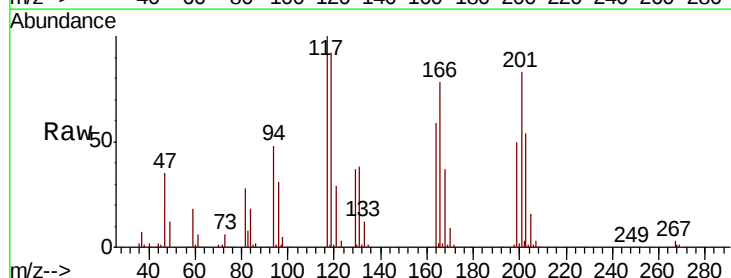
Acq: 13 Apr 2019 16:21

Tgt Ion: 117 Resp: 122162

Ion Ratio Lower Upper

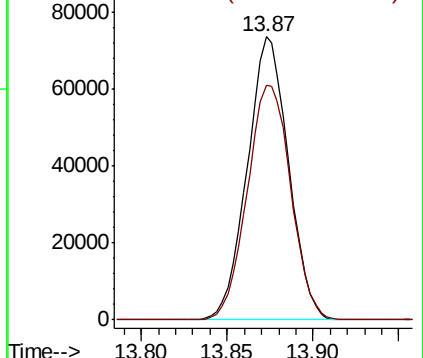
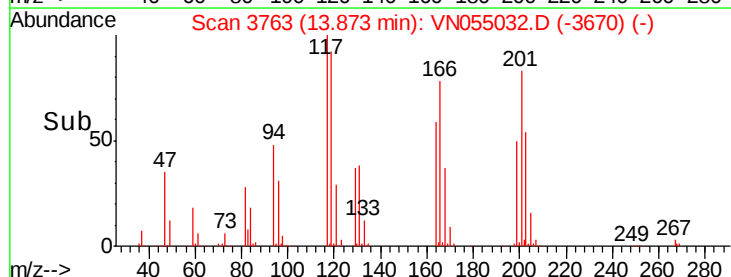
117 100

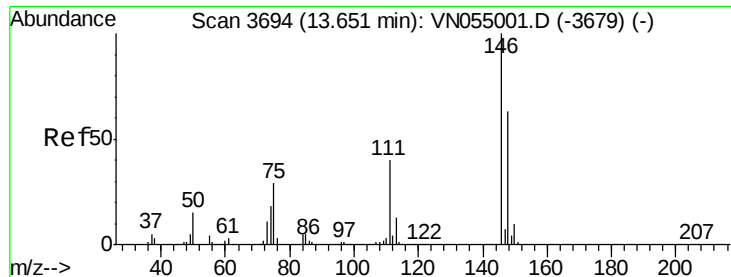
201 87.6 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 48.009 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

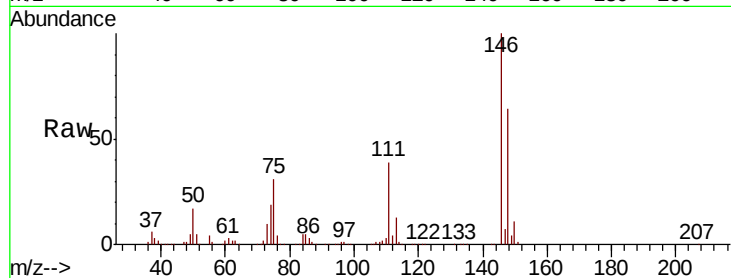
Tot Ion:146 Resp: 410889

Ion Ratio Lower Upper

146 100

111 39.6 20.3 60.9

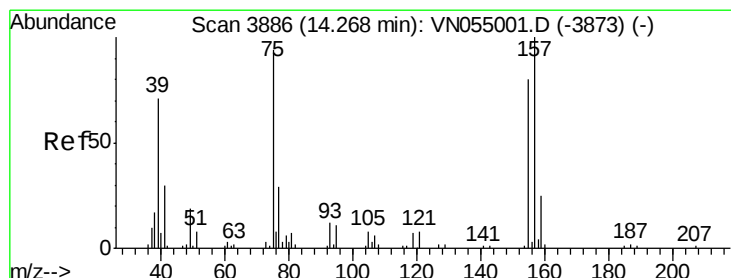
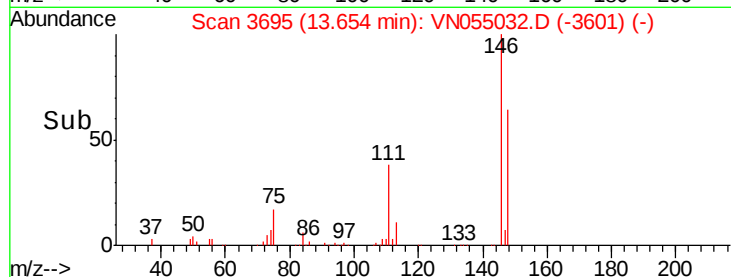
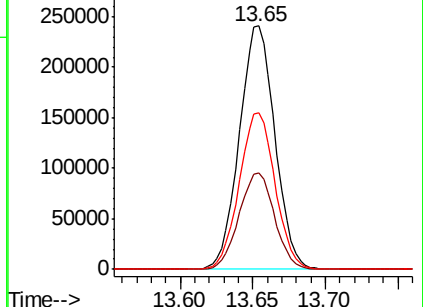
148 64.8 32.2 96.6



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: 52.384 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055032.D

Acq: 13 Apr 2019 16:21

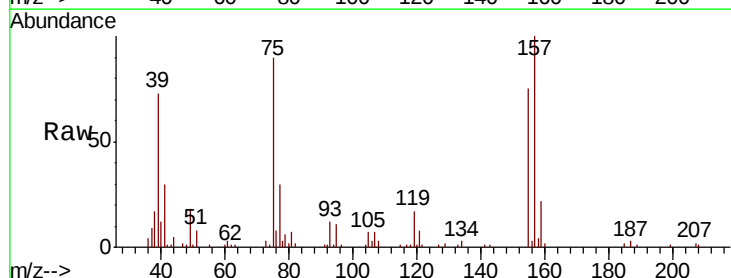
Tgt Ion: 75 Resp: 38919

Ion Ratio Lower Upper

75 100

155 87.3 42.0 126.0

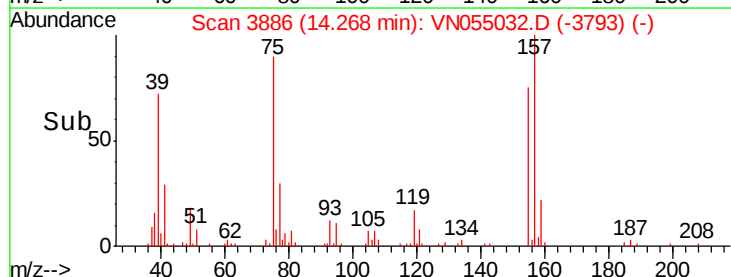
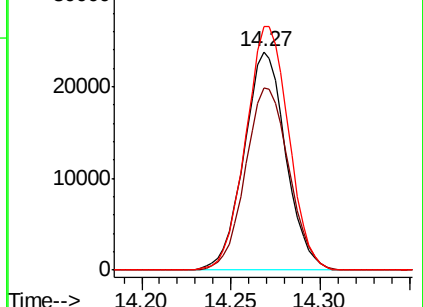
157 114.5 52.1 156.4

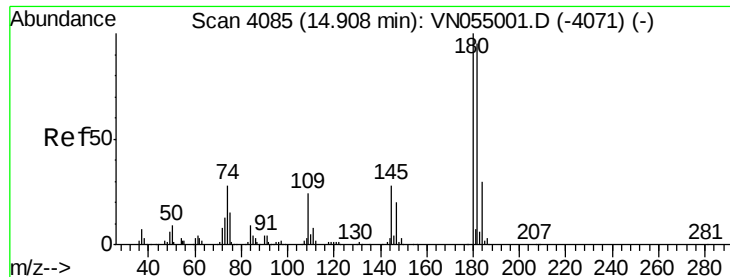


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

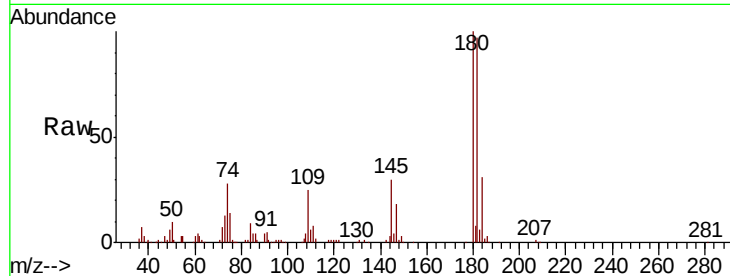




#93
 1,2,4-Trichlorobenzene
 Concen: 42.770 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	29.3	14.2	42.8

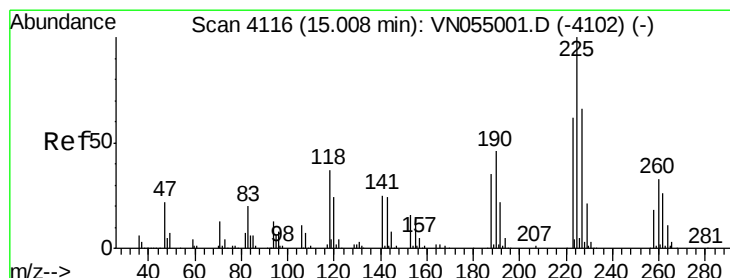
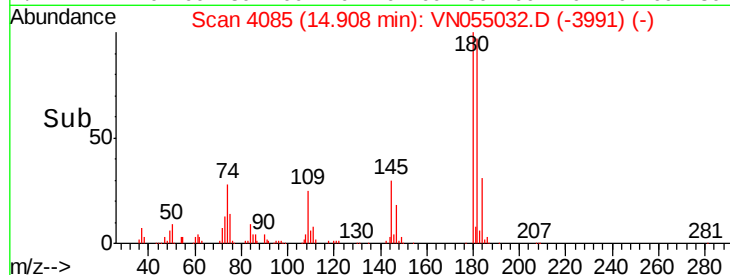
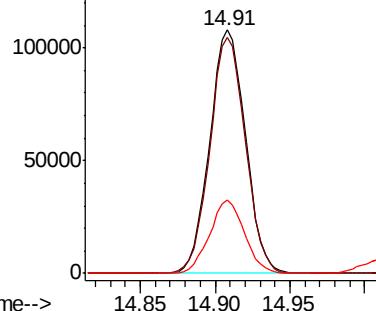


Abundance

Ion 179.80 (179.50 to 180.50): V

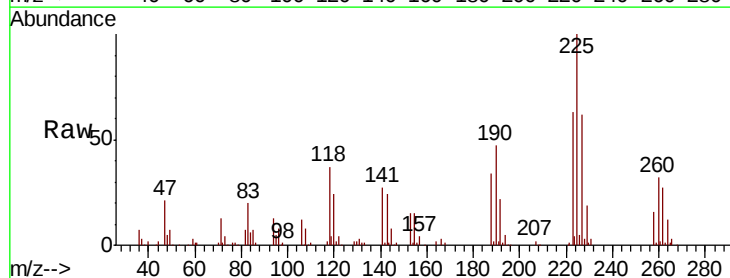
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 44.616 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055032.D
 Acq: 13 Apr 2019 16:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.0
227	64.2	32.6	97.7

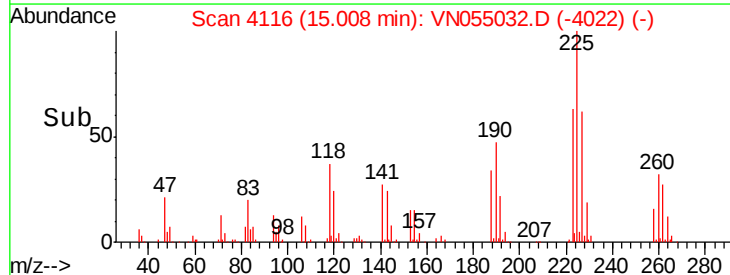
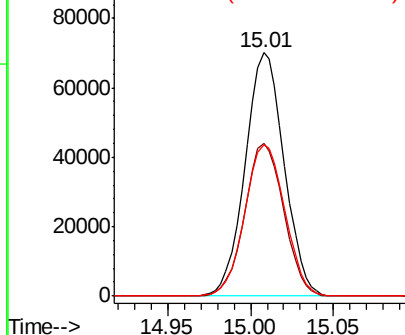


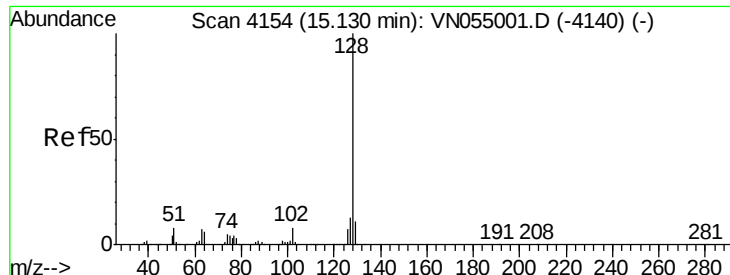
Abundance

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

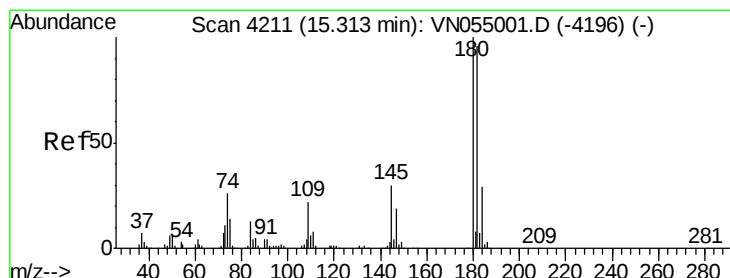
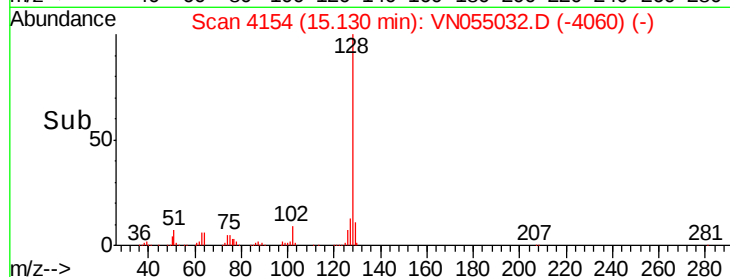
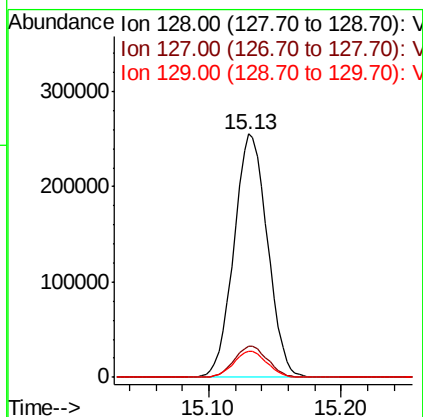
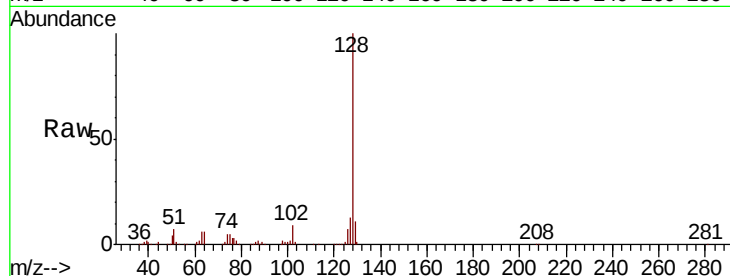




#95
Naphthalene
Concen: 45.630 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 448139
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.175 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055032.D
Acq: 13 Apr 2019 16:21

Tgt Ion:180 Resp: 185990
Ion Ratio Lower Upper
180 100
182 98.2 48.0 144.0
145 31.5 15.3 45.9

