

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055886.D
 Acq On : 29 May 2019 18:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 30 06:55:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	449769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	404660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	159476	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	7.59	113	137813	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
50) Toluene-d8	10.09	98	533201	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	185885	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	88710	44.416	ug/l	100
3) Chloromethane	2.06	50	130003	46.458	ug/l	99
4) Vinyl Chloride	2.18	62	138522	46.411	ug/l	99
5) Bromomethane	2.52	94	106732	57.160	ug/l	100
6) Chloroethane	2.67	64	81776	45.508	ug/l	100
7) Trichlorofluoromethane	3.00	101	183832	46.980	ug/l	98
8) Diethyl Ether	3.40	74	84690	48.289	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	117028	47.911	ug/l	98
10) Methyl Iodide	3.93	142	181712	50.884	ug/l	100
11) Tert butyl alcohol	4.82	59	149268	254.913	ug/l	99
12) 1,1-Dichloroethene	3.72	96	119728	47.438	ug/l	97
13) Acrolein	3.60	56	96965	231.261	ug/l	98
14) Allyl chloride	4.31	41	206807	47.798	ug/l	99
15) Acrylonitrile	4.99	53	358007	266.254	ug/l	98
16) Acetone	3.82	43	320128	237.628	ug/l	99
17) Carbon Disulfide	4.03	76	284588	39.688	ug/l	99
18) Methyl Acetate	4.33	43	156273	57.242	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	423581	50.322	ug/l	100
20) Methylene Chloride	4.54	84	143899	49.322	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	129786	47.866	ug/l	96
22) Diisopropyl ether	5.95	45	433718	51.540	ug/l	99
23) Vinyl Acetate	5.89	43	1835358	254.378	ug/l	100
24) 1,1-Dichloroethane	5.84	63	243021	49.600	ug/l	99
25) 2-Butanone	6.84	43	500347	265.938	ug/l	100
26) 2,2-Dichloropropane	6.82	77	187133	44.131	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	155891	49.280	ug/l	99
28) Bromochloromethane	7.19	49	120260	51.552	ug/l	98
29) Tetrahydrofuran	7.22	42	320330	268.854	ug/l	99
30) Chloroform	7.37	83	246396	50.426	ug/l	99
31) Cyclohexane	7.65	56	214493	46.629	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	208143	47.736	ug/l	100
36) 1,1-Dichloropropene	7.79	75	176592	45.054	ug/l	99
37) Ethyl Acetate	6.93	43	196917	51.981	ug/l	98
38) Carbon Tetrachloride	7.77	117	176844	43.315	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	218751	45.069	ug/l	99
40) Benzene	8.04	78	567114	48.009	ug/l	99
41) Methacrylonitrile	7.17	41	86549	45.223	ug/l	91
42) 1,2-Dichloroethane	8.12	62	187917	48.683	ug/l	100
43) Isopropyl Acetate	8.17	43	314460	49.405	ug/l #	91
44) Trichloroethene	8.83	130	156858	47.631	ug/l	100
45) 1,2-Dichloropropane	9.12	63	150073	48.761	ug/l	99
46) Dibromomethane	9.21	93	98398	48.750	ug/l	98
47) Bromodichloromethane	9.40	83	190782	46.096	ug/l	98
48) Methyl methacrylate	9.20	41	155640	53.057	ug/l	98
49) 1,4-Dioxane	9.20	88	66606	1092.633	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	990161	263.402	ug/l	100
52) Toluene	10.15	92	360743	48.556	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	204613	46.315	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	230177	47.031	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	146969	49.380	ug/l	98
56) Ethyl methacrylate	10.43	69	233613	50.788	ug/l	99
57) 1,3-Dichloropropane	10.71	76	240273	49.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	448053	254.887	ug/l	99
59) 2-Hexanone	10.75	43	693610	260.095	ug/l	100
60) Dibromochloromethane	10.90	129	158736	45.782	ug/l	100
61) 1,2-Dibromoethane	11.00	107	151685	49.134	ug/l	98
64) Tetrachloroethene	10.63	164	155342	45.515	ug/l	98
65) Chlorobenzene	11.43	112	389677	48.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144199	44.631	ug/l	99
67) Ethyl Benzene	11.51	91	689441	47.459	ug/l	99
68) m/p-Xylenes	11.62	106	531920	96.854	ug/l	99
69) o-Xylene	11.95	106	263036	48.275	ug/l	100
70) Styrene	11.96	104	438862	49.736	ug/l	100
71) Bromoform	12.13	173	116625	42.319	ug/l #	100
73) Isopropylbenzene	12.25	105	685260	53.076	ug/l	99
74) N-amyl acetate	12.07	43	261104	53.102	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	209521	54.952	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	253439	82.916	ug/l #	100
77) Bromobenzene	12.53	156	178663	45.987	ug/l	98
78) n-propylbenzene	12.59	91	744963	47.078	ug/l	100
79) 2-Chlorotoluene	12.67	91	452669	53.276	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	569483	52.361	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58967	43.578	ug/l	94
82) 4-Chlorotoluene	12.77	91	443497	47.680	ug/l	98
83) tert-Butylbenzene	12.99	119	498194	53.055	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	563293	51.844	ug/l	100
85) sec-Butylbenzene	13.17	105	647006	52.929	ug/l	99
86) p-Isopropyltoluene	13.29	119	593724	46.958	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	297980	48.438	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286353	48.960	ug/l	99
89) n-Butylbenzene	13.61	91	460785	47.564	ug/l	99
90) Hexachloroethane	13.87	117	98013	40.727	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	297243	48.430	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37533	46.526	ug/l	98

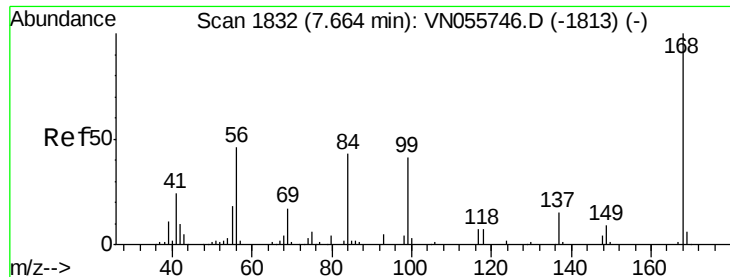
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	153870	44.041	ug/l	99
94) Hexachlorobutadiene	15.01	225	105391	48.747	ug/l	99
95) Naphthalene	15.13	128	437530	51.950	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	163082	50.266	ug/l	99

(#) = 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: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

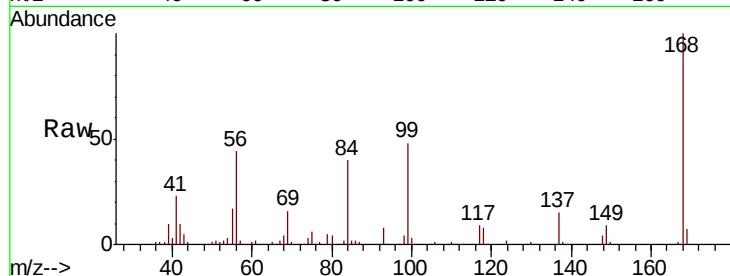
VSTDCCC050EC

Tot Ion:168 Resp: 296761

Ion Ratio Lower Upper

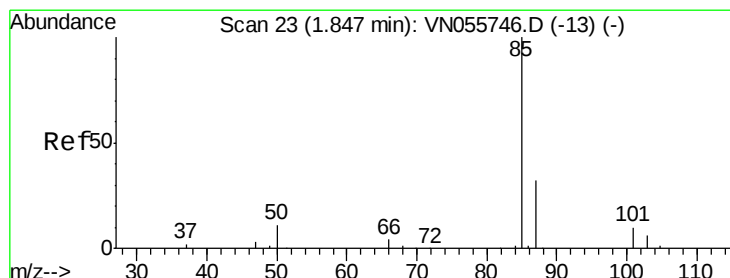
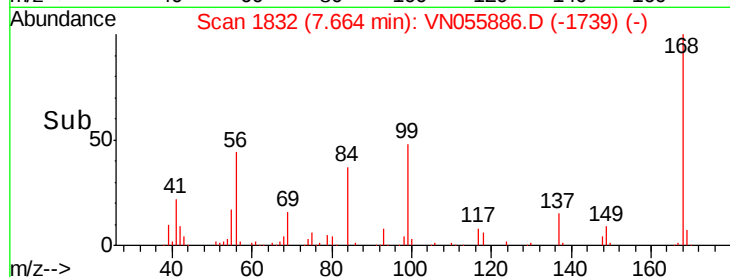
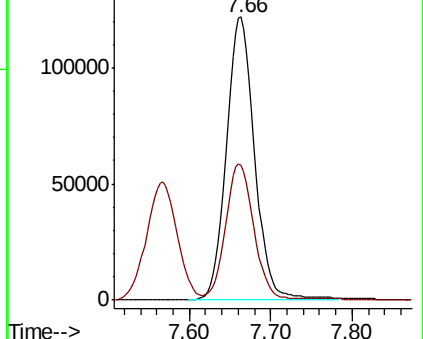
168 100

99 47.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.416 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055886.D

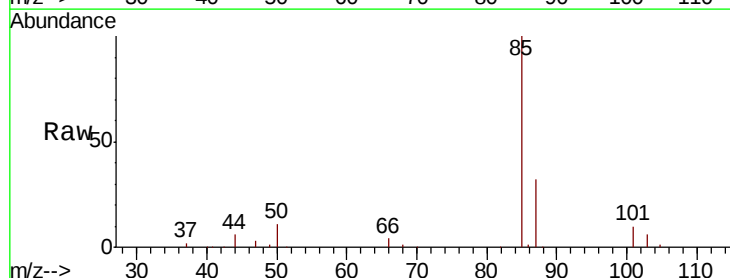
Acq: 29 May 2019 18:43

Tgt Ion: 85 Resp: 88710

Ion Ratio Lower Upper

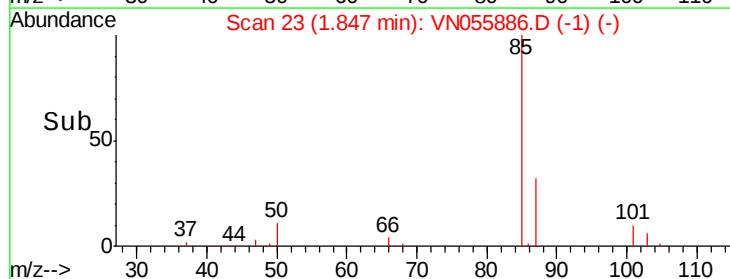
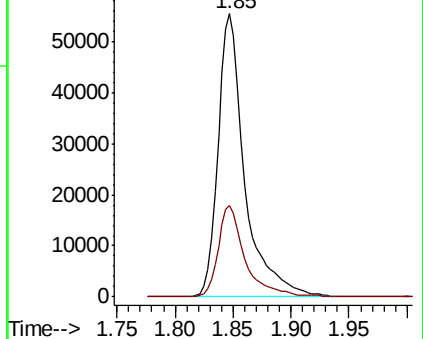
85 100

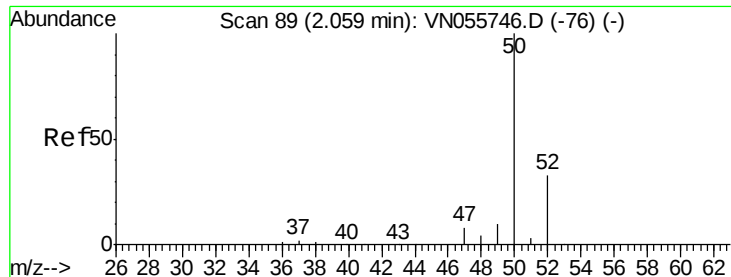
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.458 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

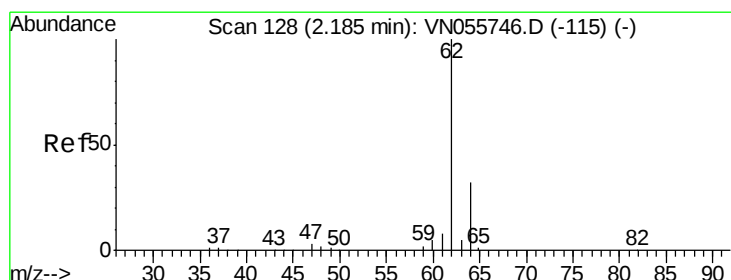
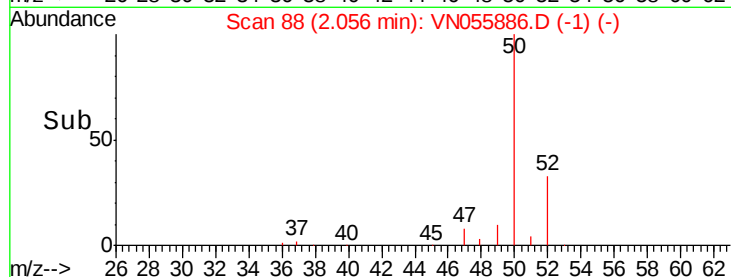
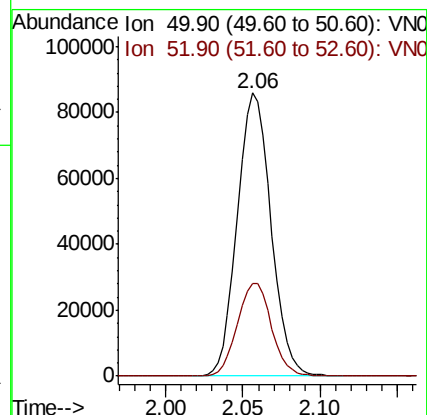
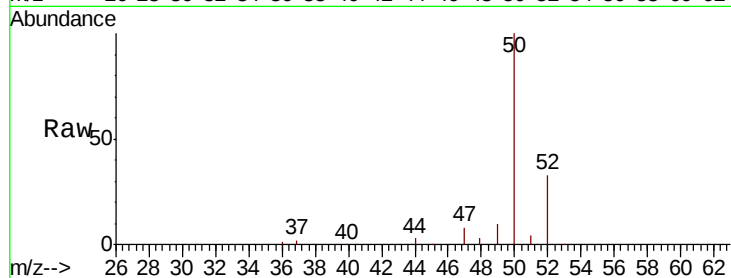
VSTDCCC050EC

Tot Ion: 50 Resp: 130003

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



#4

Vinyl Chloride

Concen: 46.411 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055886.D

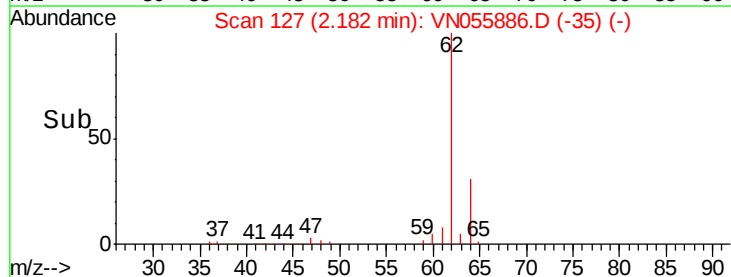
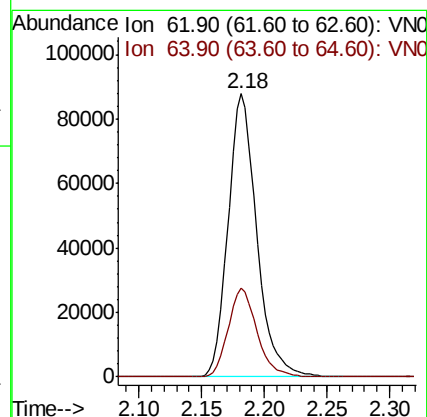
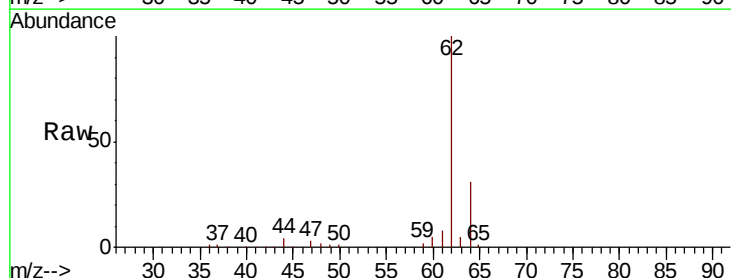
Acq: 29 May 2019 18:43

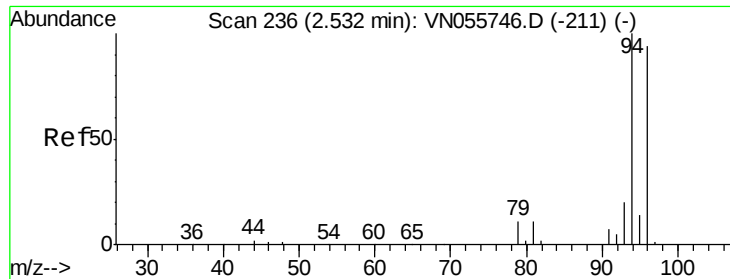
Tgt Ion: 62 Resp: 138522

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4

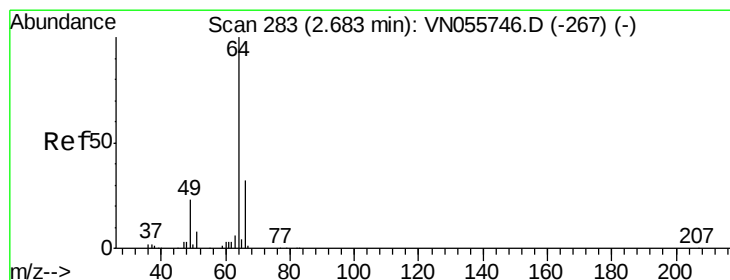
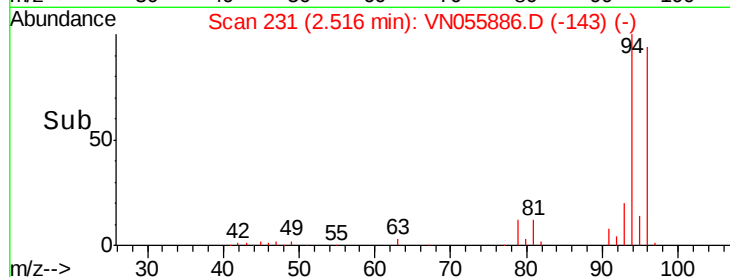
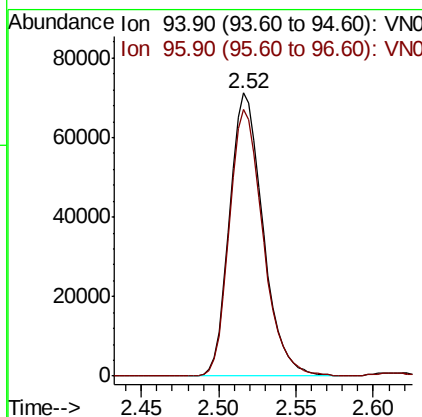
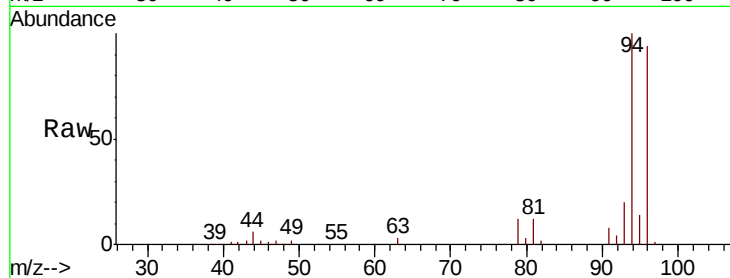




#5
Bromomethane
Concen: 57.160 ug/l
RT: 2.52 min Scan# 231
Delta R.T. -0.02 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

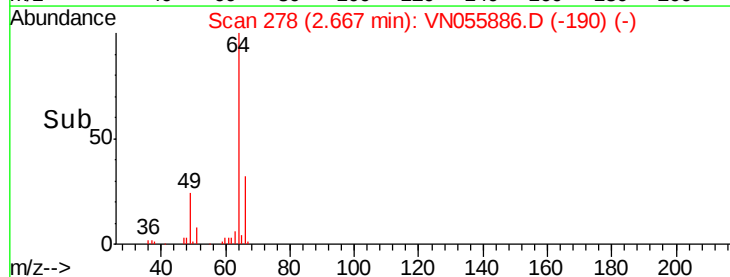
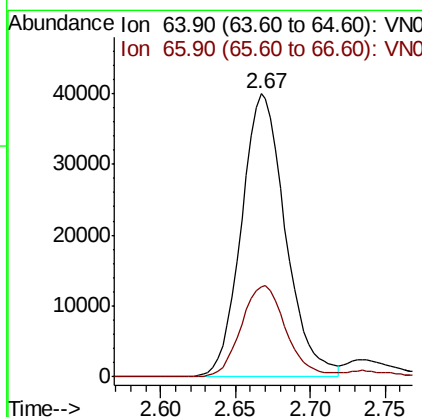
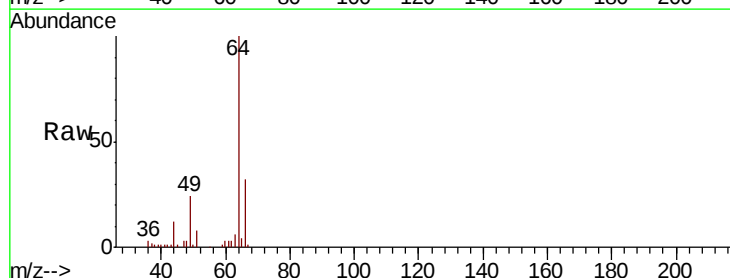
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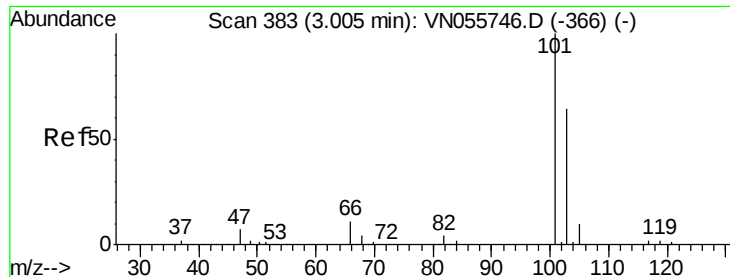
Tot Ion: 94 Resp: 106732
Ion Ratio Lower Upper
94 100
96 94.3 75.5 113.3



#6
Chloroethane
Concen: 45.508 ug/l
RT: 2.67 min Scan# 278
Delta R.T. -0.02 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 64 Resp: 81776
Ion Ratio Lower Upper
64 100
66 32.0 25.4 38.0



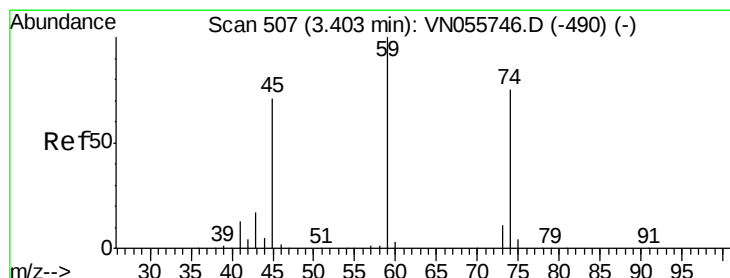
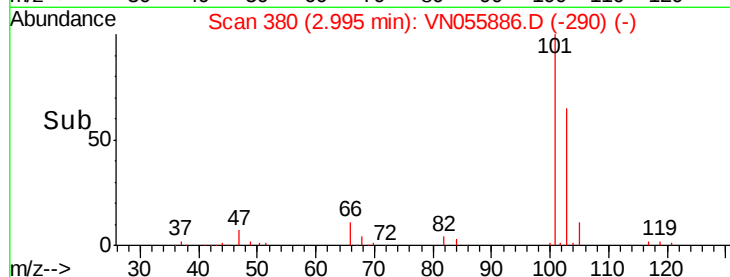
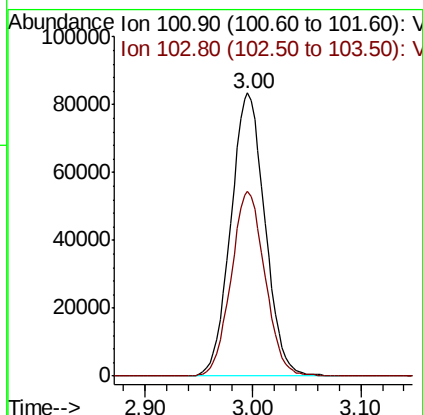
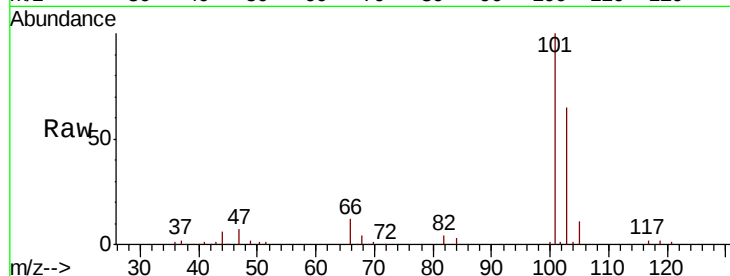


#7

Trichlorofluoromethane
Concen: 46.980 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
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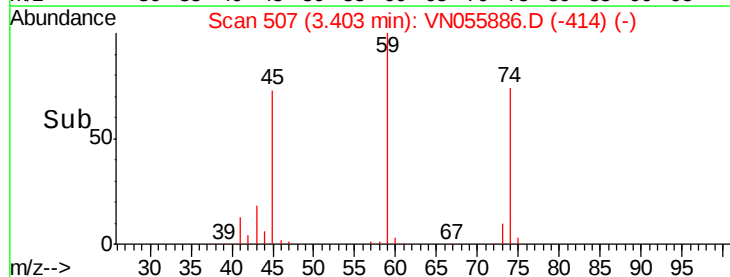
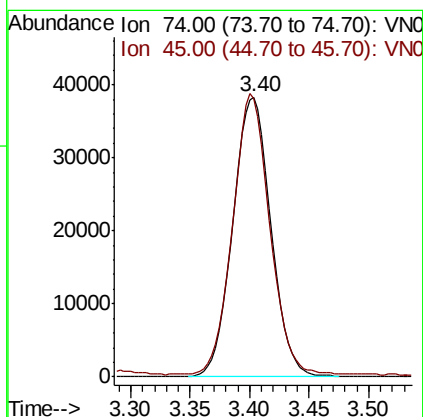
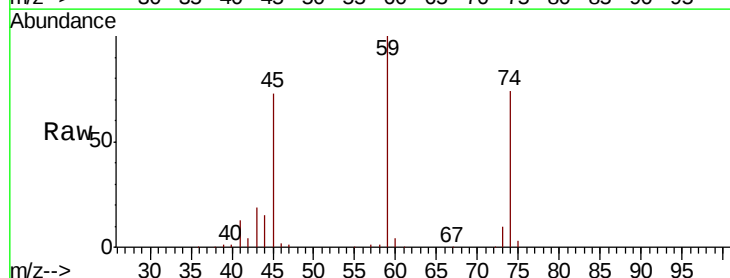
Tot Ion:101 Resp: 183832
Ion Ratio Lower Upper
101 100
103 65.2 51.2 76.8

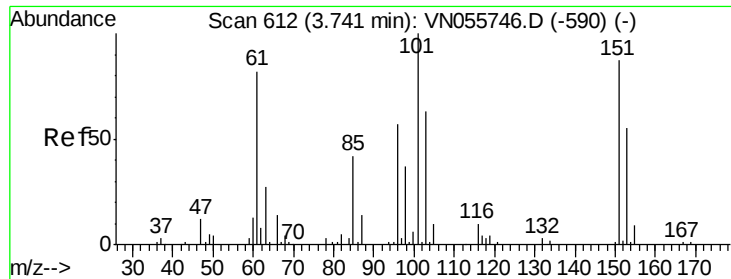


#8

Diethyl Ether
Concen: 48.289 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 74 Resp: 84690
Ion Ratio Lower Upper
74 100
45 97.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.911 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

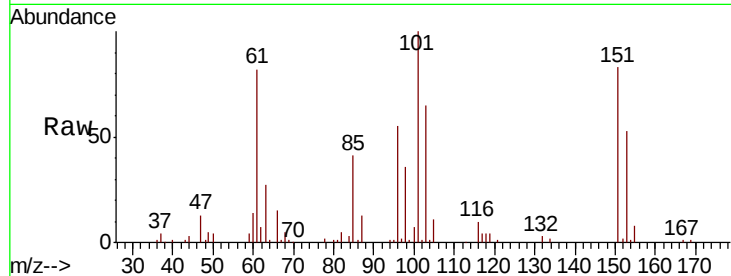
Tot Ion:101 Resp: 117028

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.2

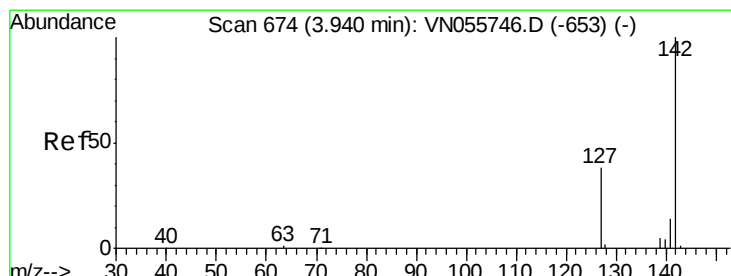
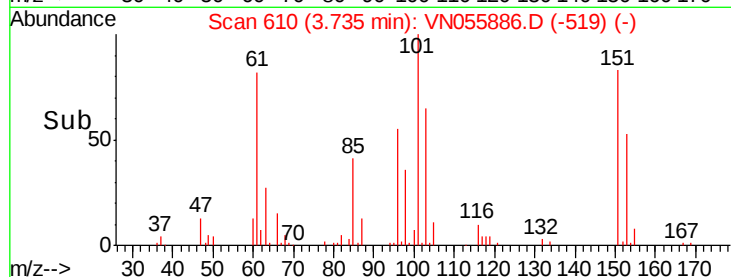
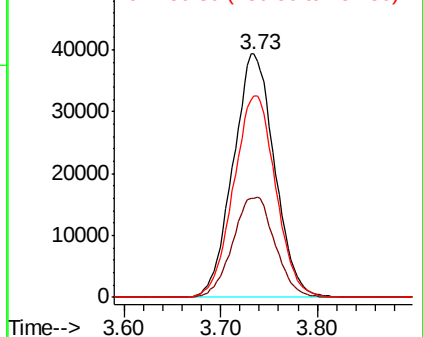
151 83.9 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.884 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

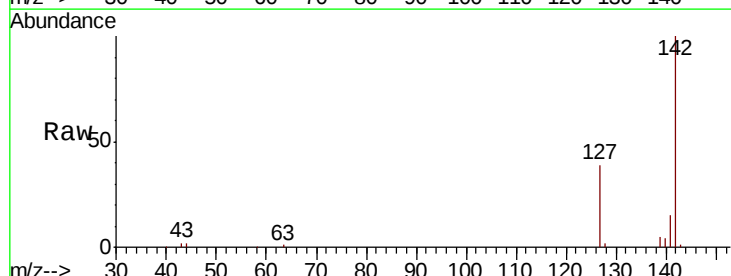
Tgt Ion:142 Resp: 181712

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

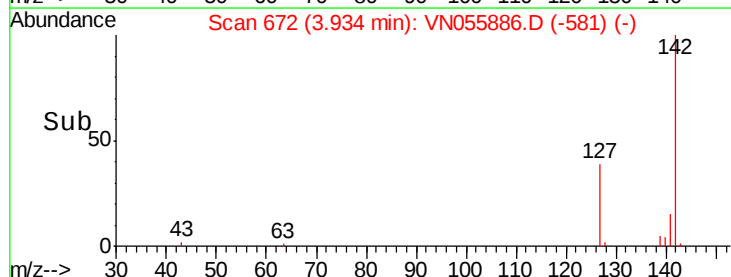
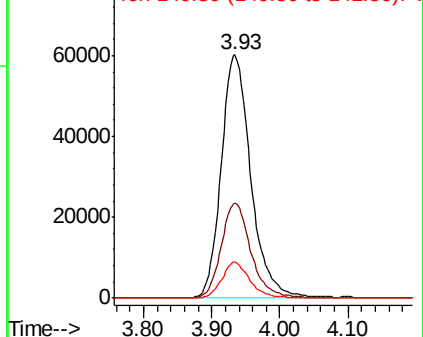
141 14.0 11.4 17.0

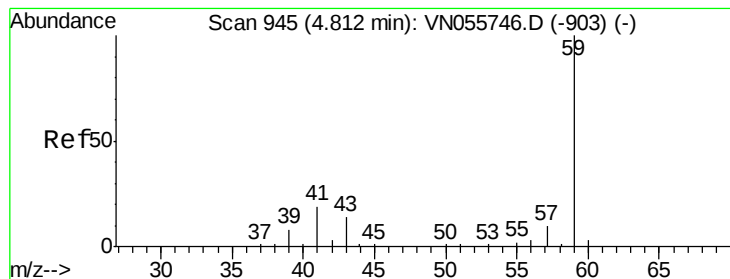


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



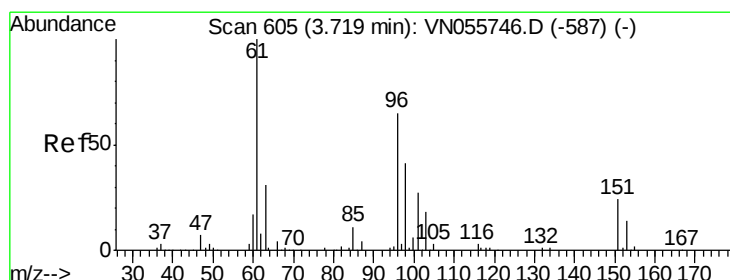
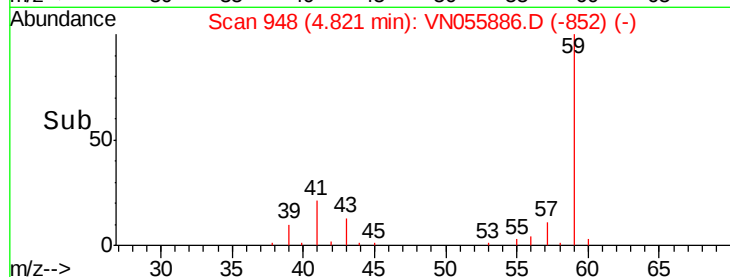
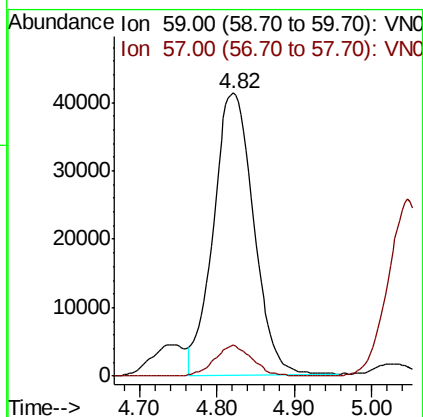
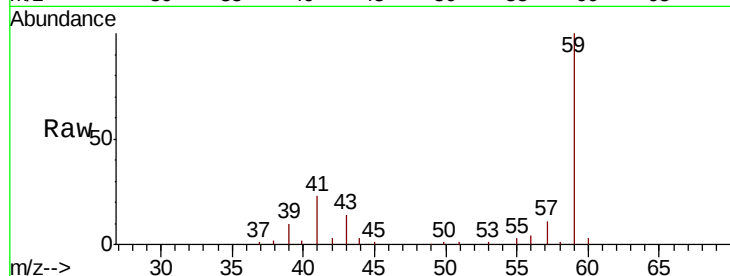


#11

Tert butyl alcohol
 Concen: 254.913 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

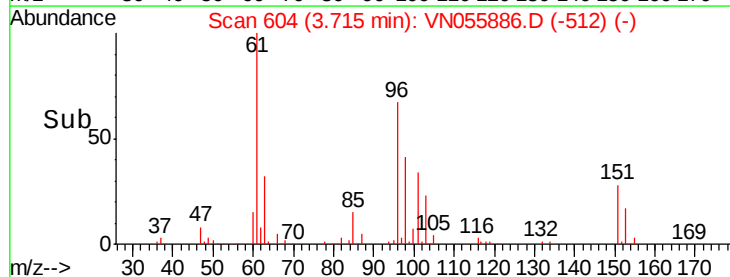
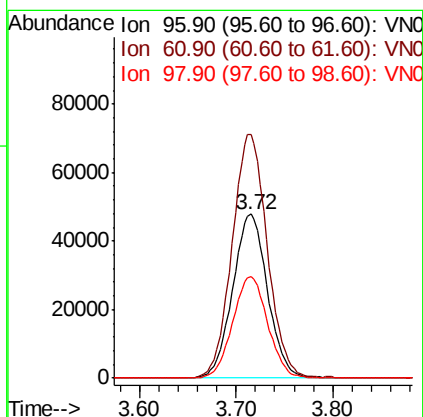
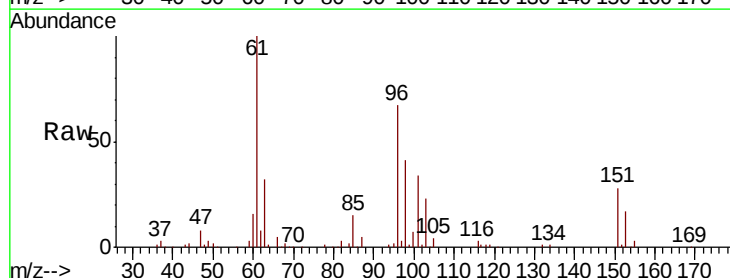
Tot Ion: 59 Resp: 149268
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.8 11.6

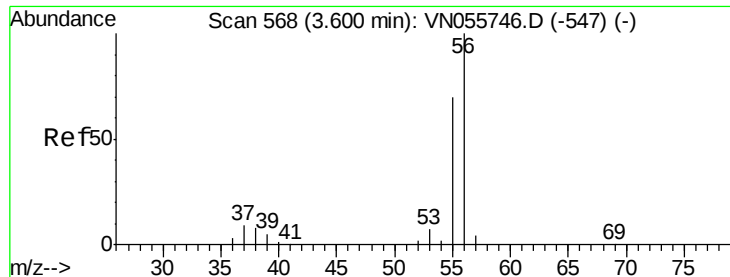


#12

1,1-Dichloroethene
 Concen: 47.438 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 96 Resp: 119728
 Ion Ratio Lower Upper
 96 100
 61 148.8 123.2 184.8
 98 61.7 50.4 75.6





#13

Acrolein

Concen: 231.261 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

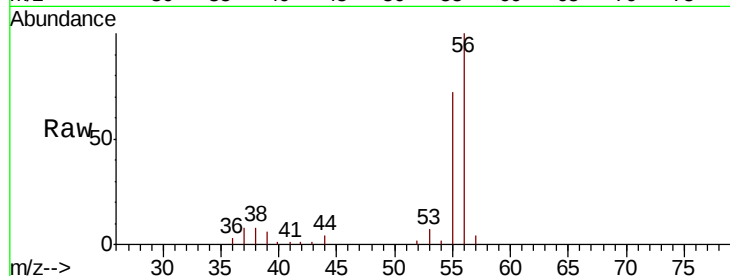
VSTDCCC050EC

Tot Ion: 56 Resp: 96965

Ion Ratio Lower Upper

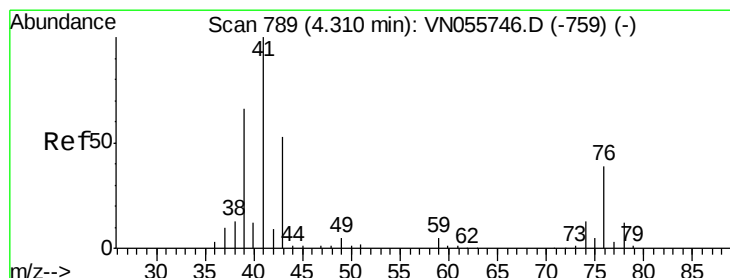
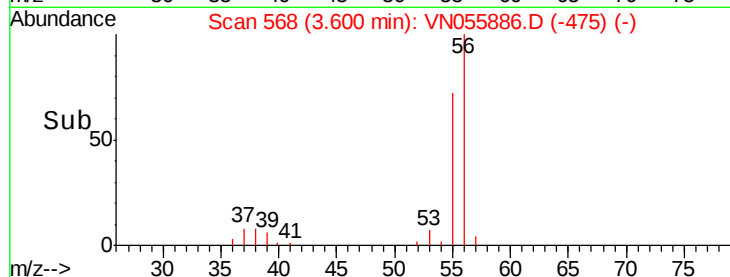
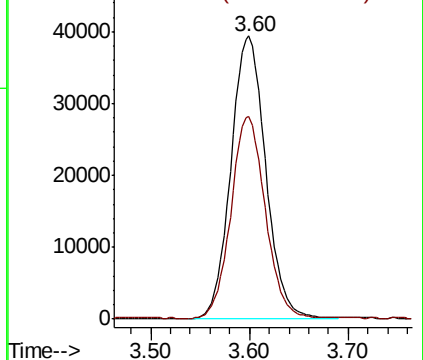
56 100

55 70.9 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.798 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

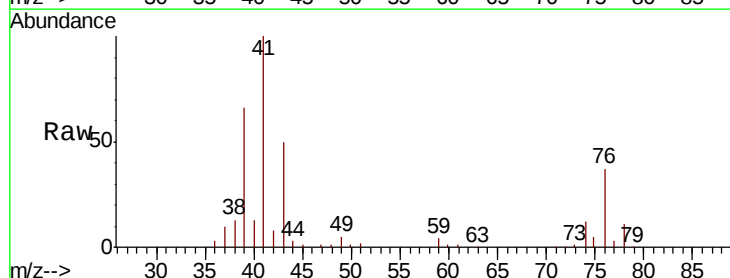
Tgt Ion: 41 Resp: 206807

Ion Ratio Lower Upper

41 100

39 62.0 50.0 75.0

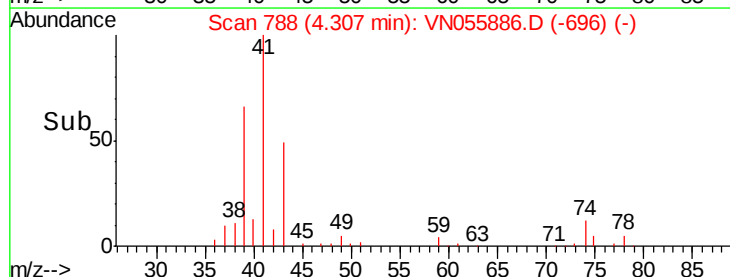
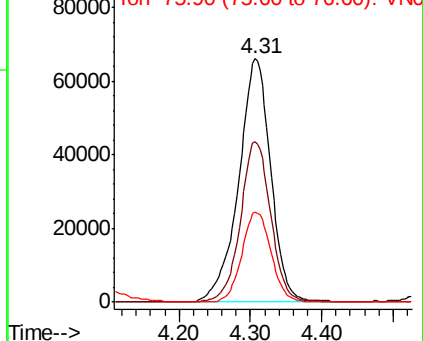
76 33.5 28.2 42.2

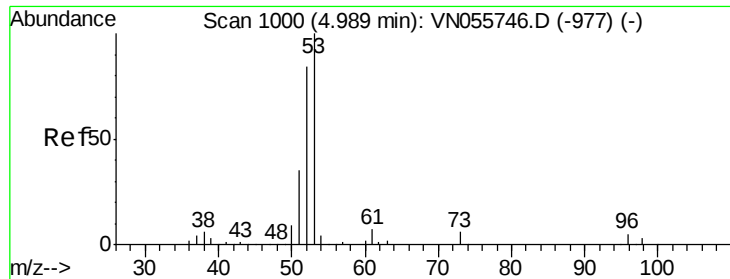


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 266.254 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

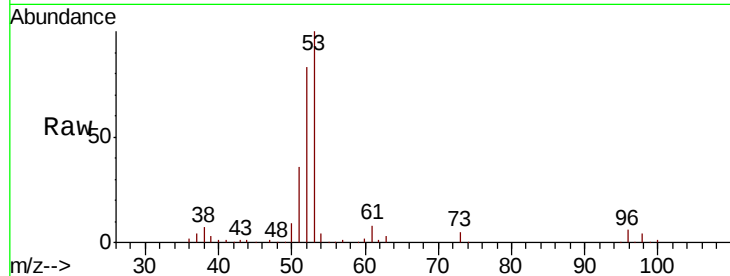
Tot Ion: 53 Resp: 358007

Ion Ratio Lower Upper

53 100

52 83.5 65.8 98.8

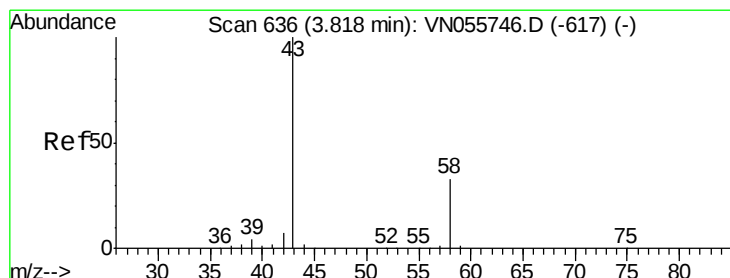
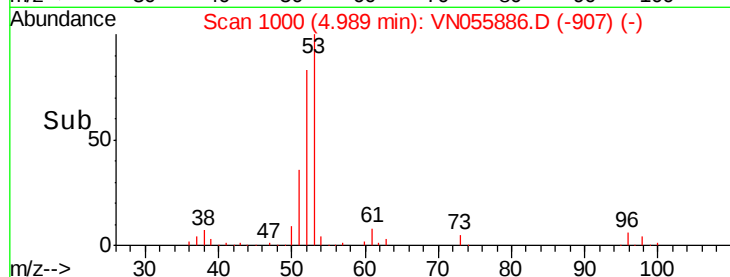
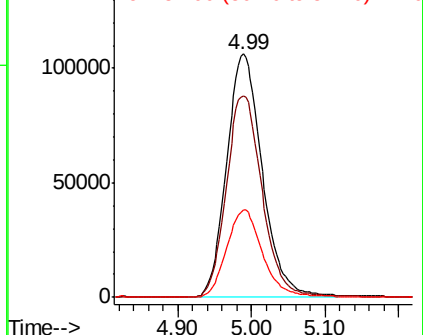
51 36.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 237.628 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055886.D

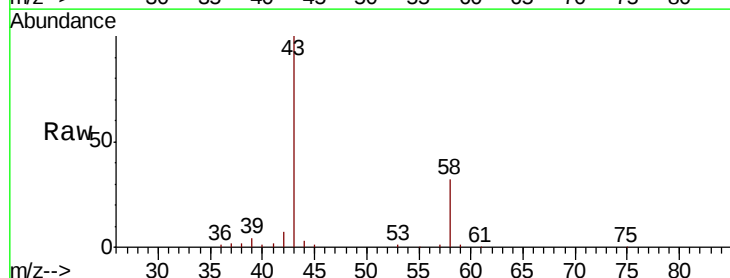
Acq: 29 May 2019 18:43

Tgt Ion: 43 Resp: 320128

Ion Ratio Lower Upper

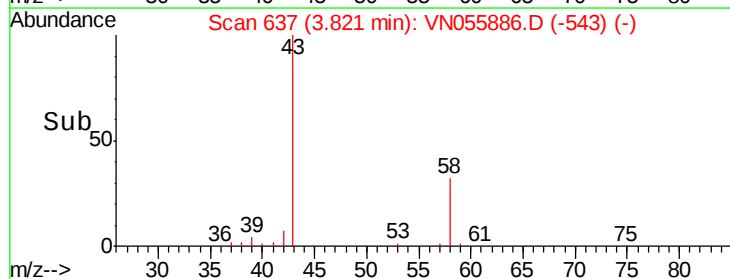
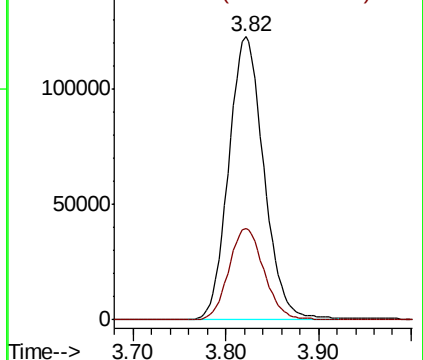
43 100

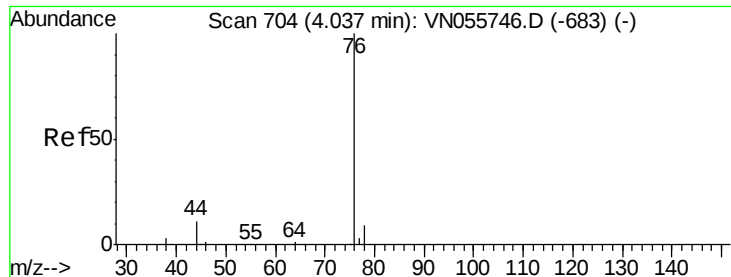
58 32.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

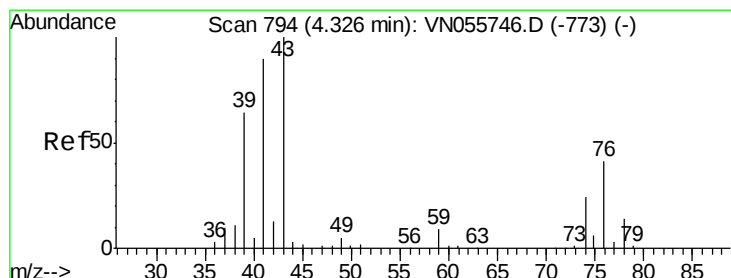
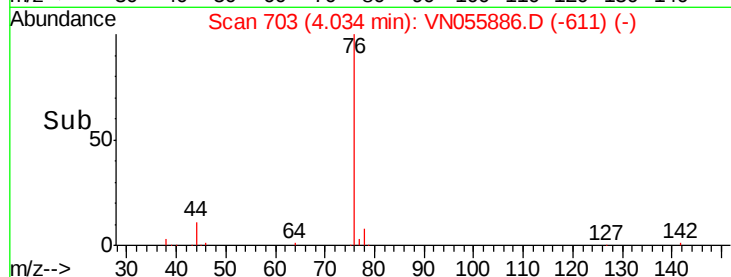
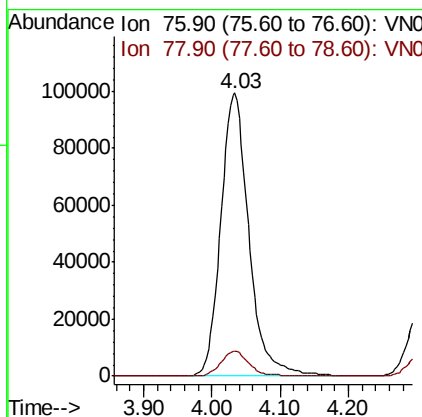
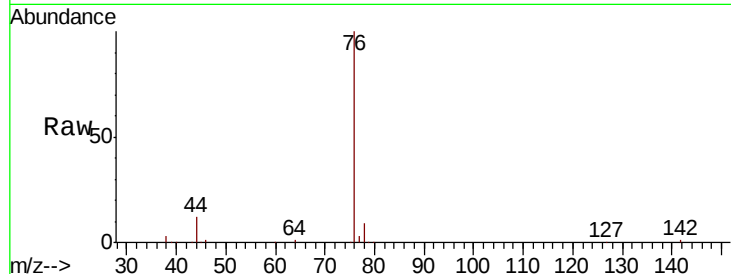




#17
Carbon Disulfide
Concen: 39.688 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

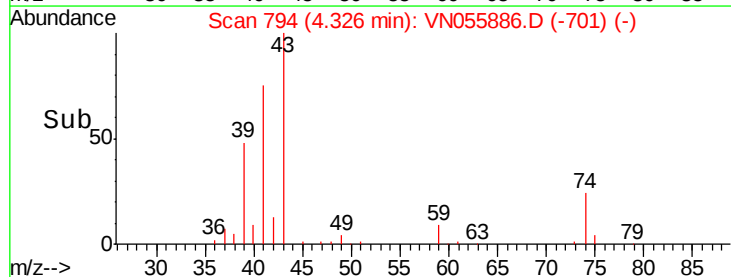
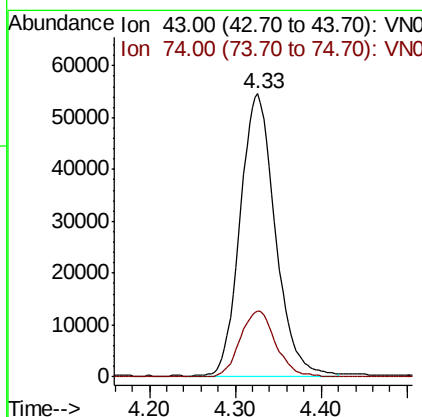
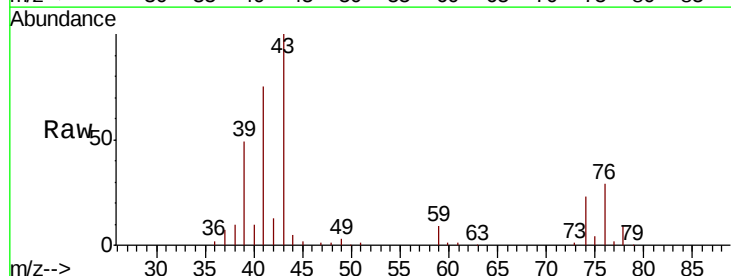
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

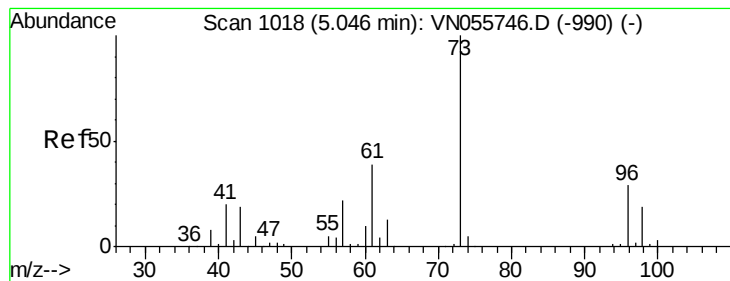
Tot Ion: 76 Resp: 284588
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 57.242 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 43 Resp: 156273
Ion Ratio Lower Upper
43 100
74 23.4 19.3 28.9



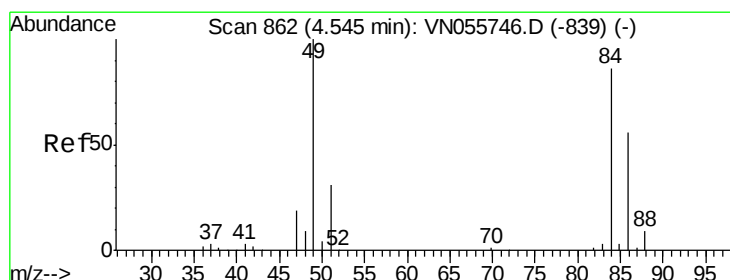
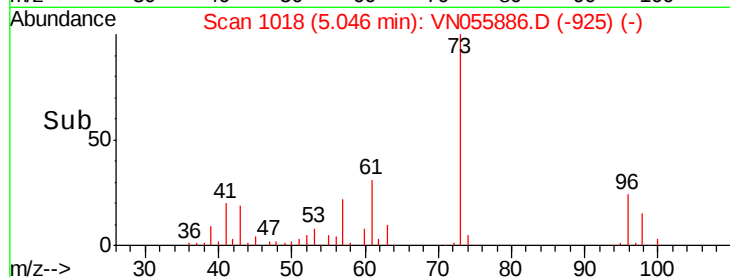
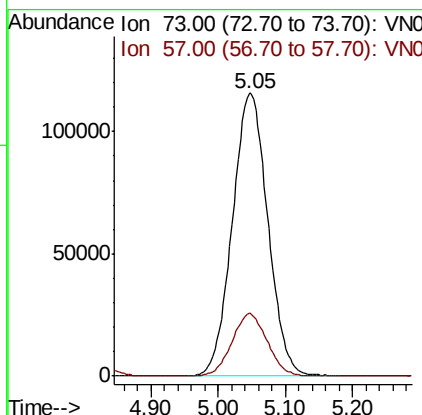
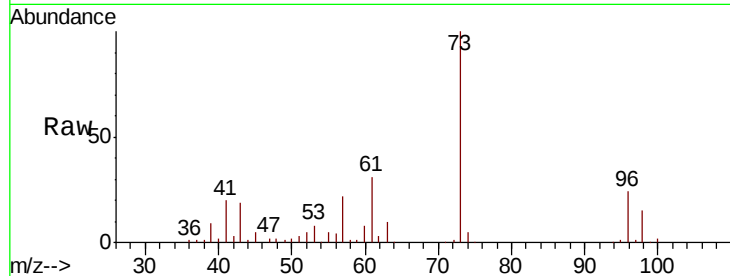


#19

Methyl tert-butyl Ether
 Concen: 50.322 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

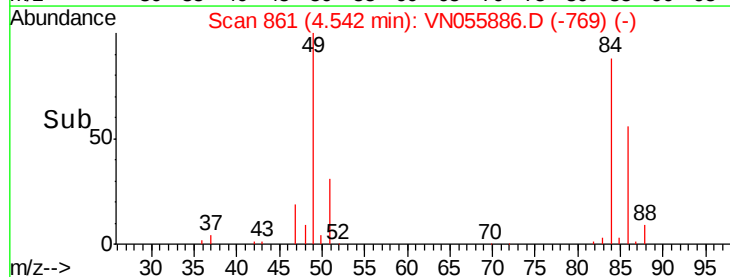
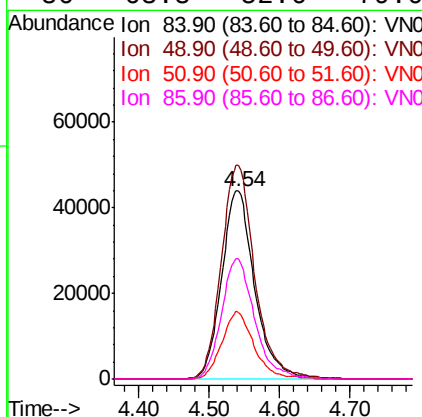
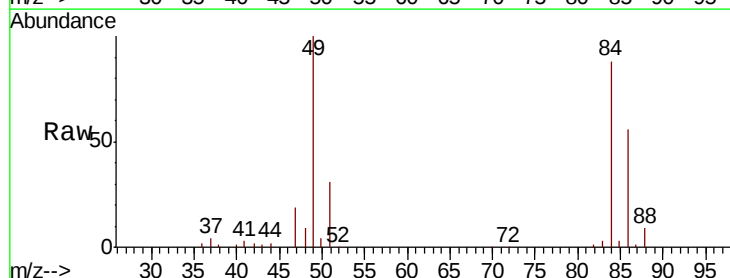
Tot Ion: 73 Resp: 423581
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.8 26.8

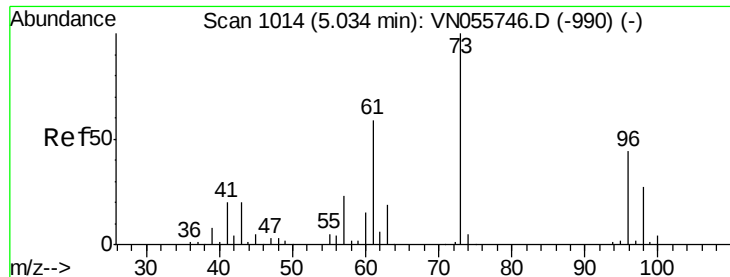


#20

Methylene Chloride
 Concen: 49.322 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 84 Resp: 143899
 Ion Ratio Lower Upper
 84 100
 49 113.4 93.5 140.3
 51 35.7 28.6 43.0
 86 63.8 52.6 79.0

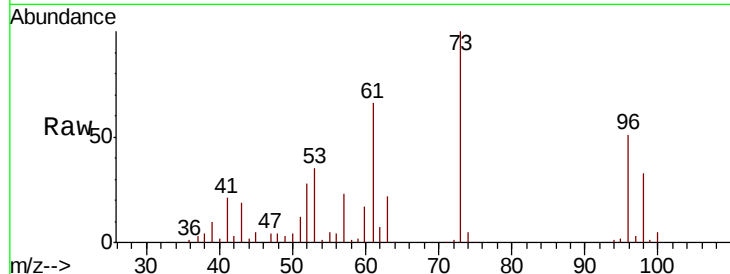




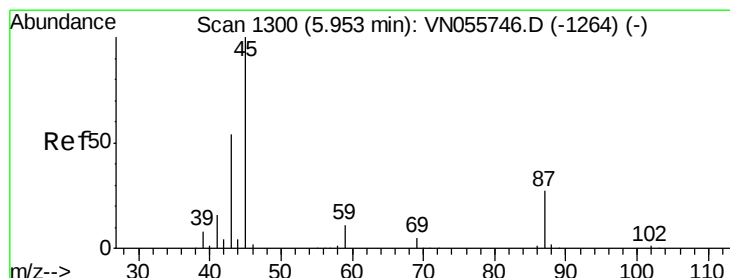
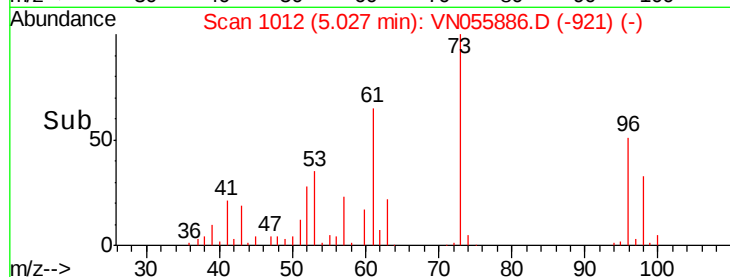
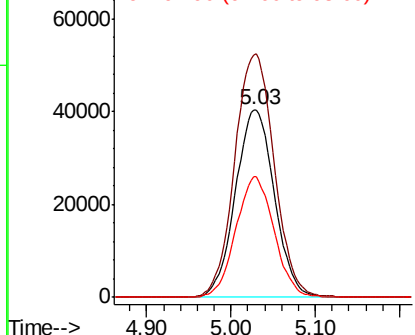
#21
trans-1,2-Dichloroethene
Concen: 47.866 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 129786
Ion Ratio Lower Upper
96 100
61 129.6 107.8 161.8
98 64.7 49.8 74.8

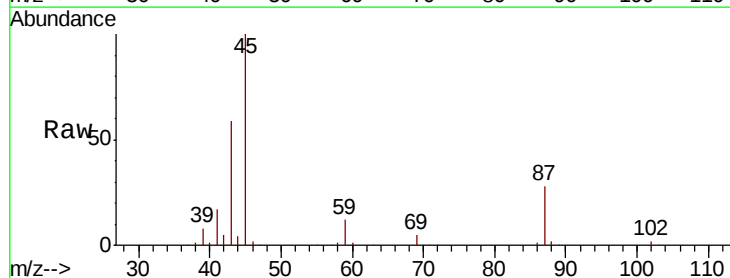


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

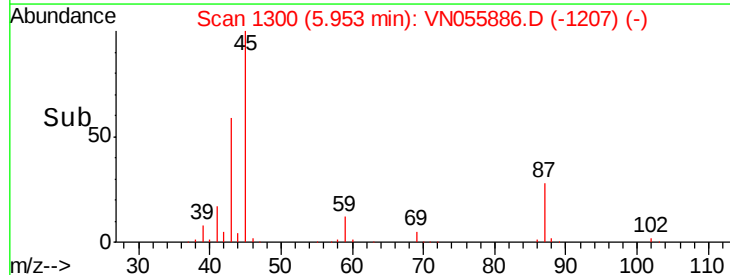
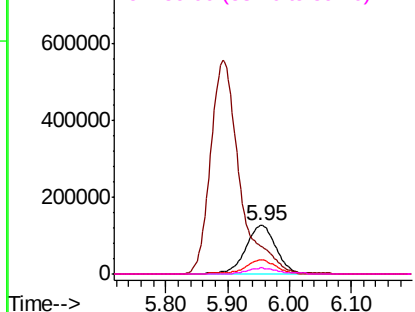


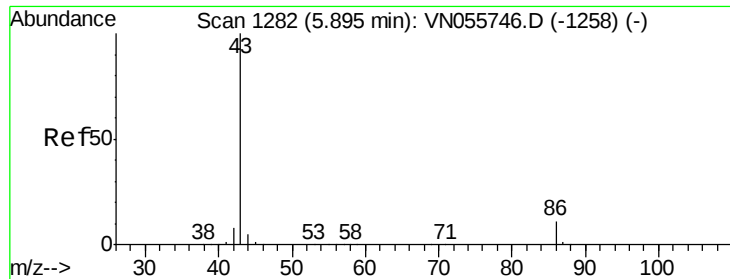
#22
Diisopropyl ether
Concen: 51.540 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 45 Resp: 433718
Ion Ratio Lower Upper
45 100
43 57.6 45.0 67.6
87 27.9 22.2 33.4
59 11.8 9.1 13.7



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: 254.378 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

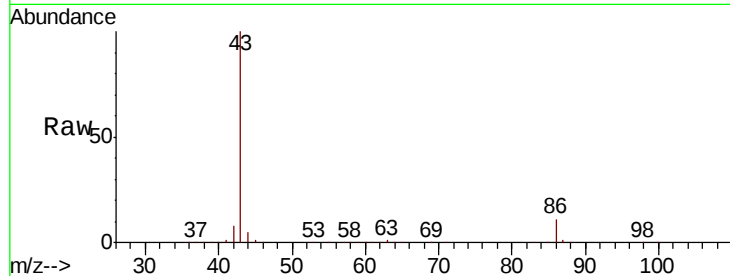
VSTDCCC050EC

Tot Ion: 43 Resp: 1835358

Ion Ratio Lower Upper

43 100

86 10.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

600000

500000

400000

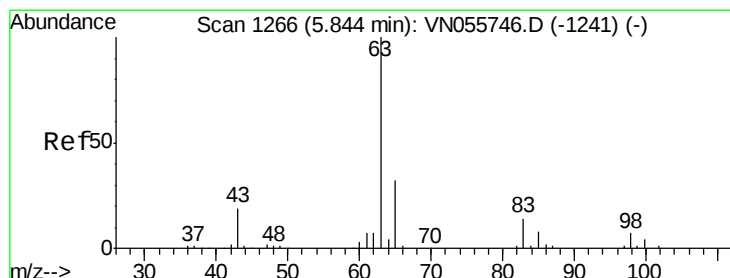
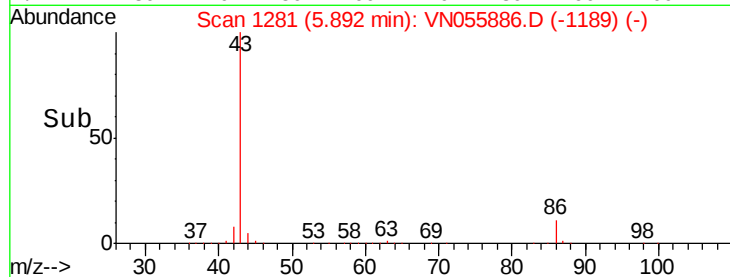
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.600 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

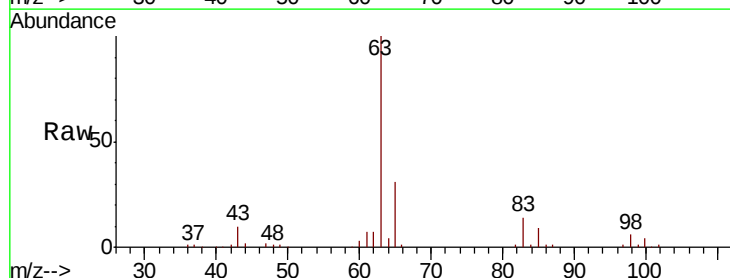
Tgt Ion: 63 Resp: 243021

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

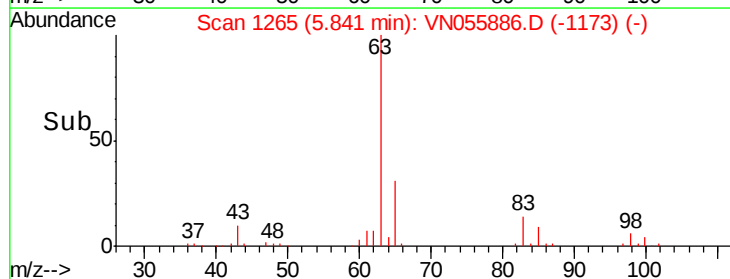
60000

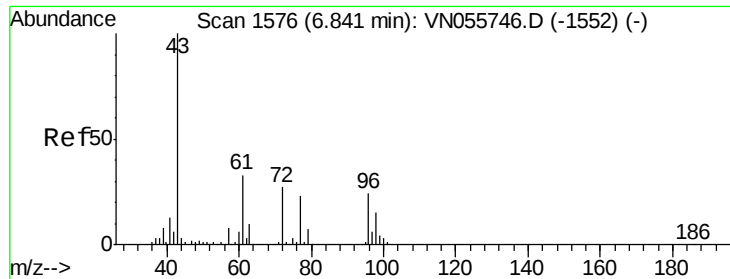
40000

20000

0

Time-->

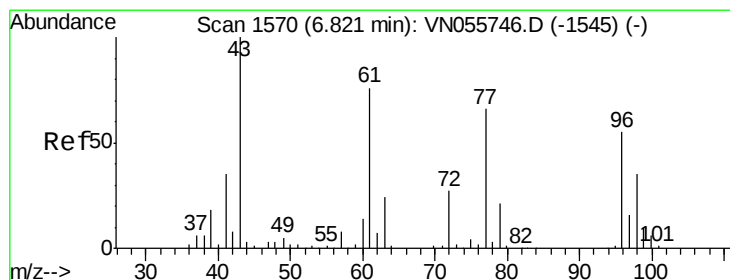
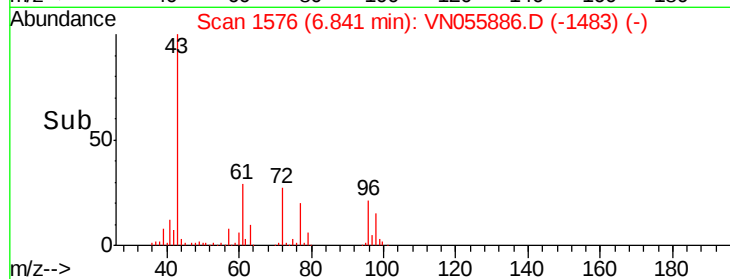
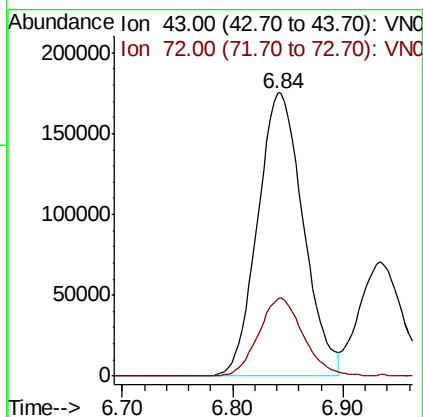
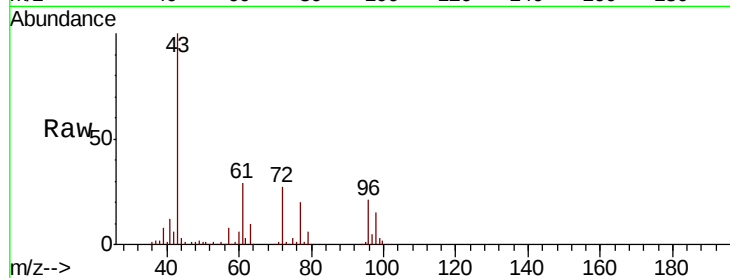




#25
2-Butanone
Concen: 265.938 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

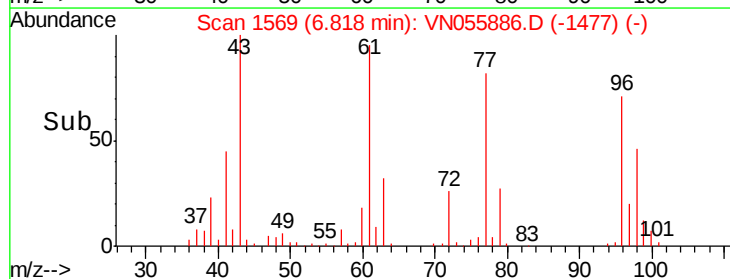
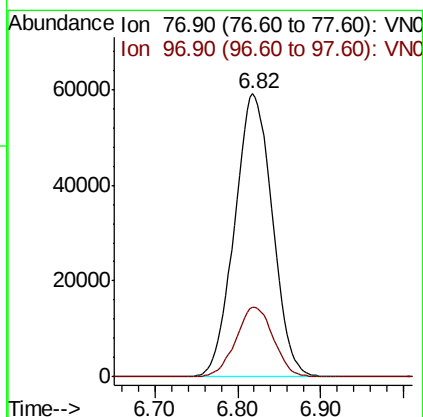
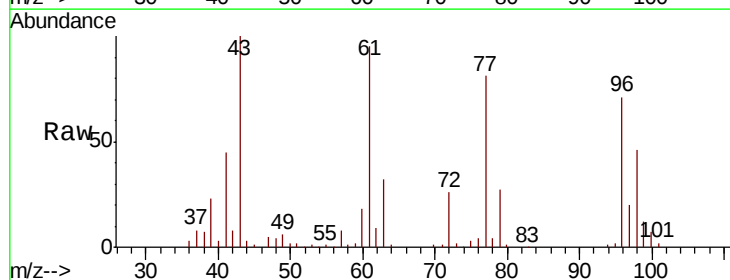
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

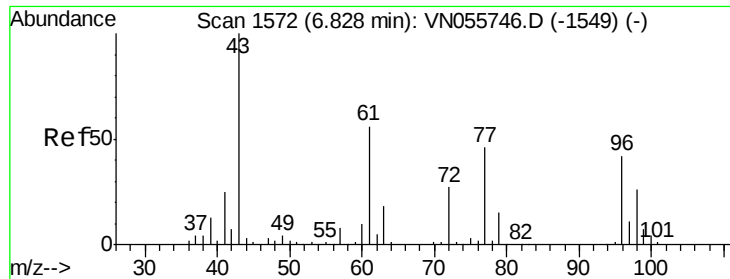
Tot Ion: 43 Resp: 500347
Ion Ratio Lower Upper
43 100
72 27.3 21.9 32.9



#26
2,2-Dichloropropane
Concen: 44.131 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 77 Resp: 187133
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.280 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

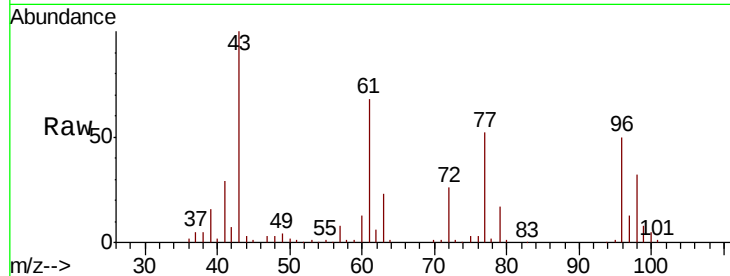
Tot Ion: 96 Resp: 155891

Ion Ratio Lower Upper

96 100

61 137.3 0.0 275.8

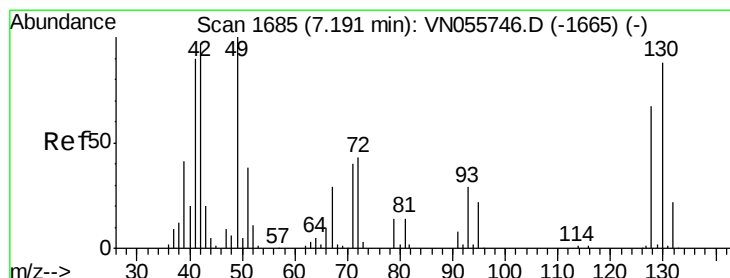
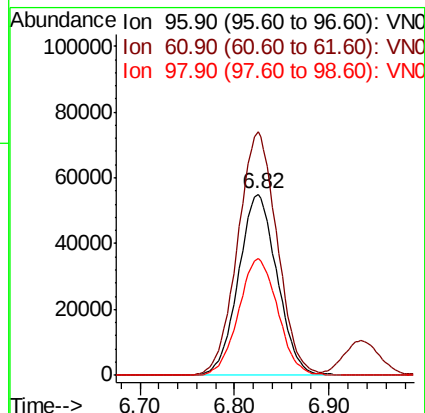
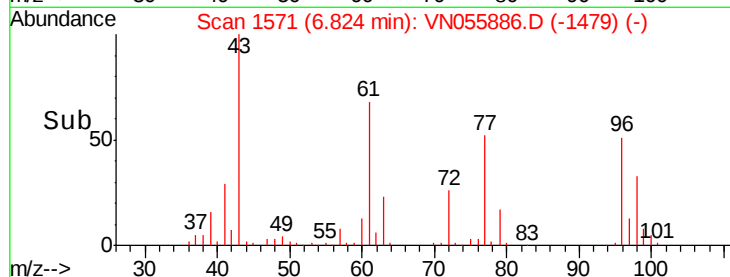
98 65.6 0.0 128.4



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: 51.552 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

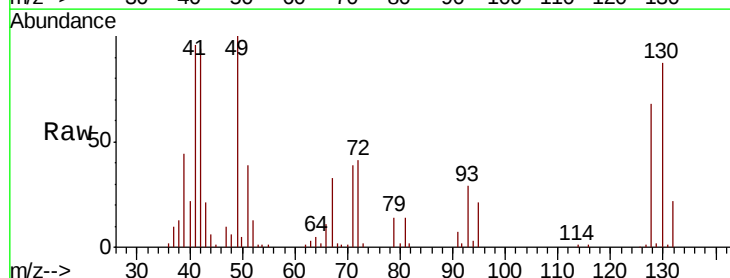
Tgt Ion: 49 Resp: 120260

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

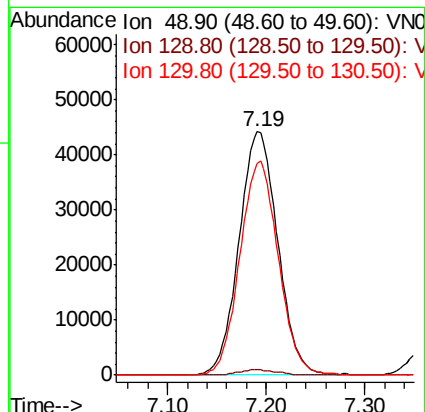
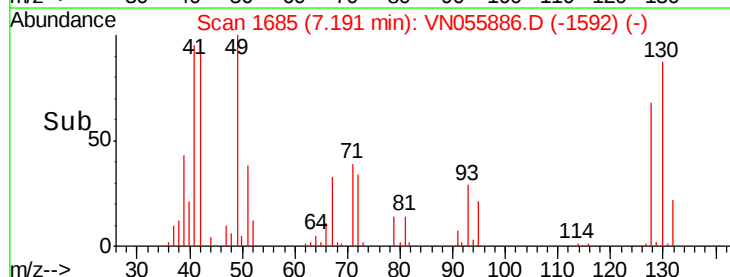
130 87.2 71.2 106.8

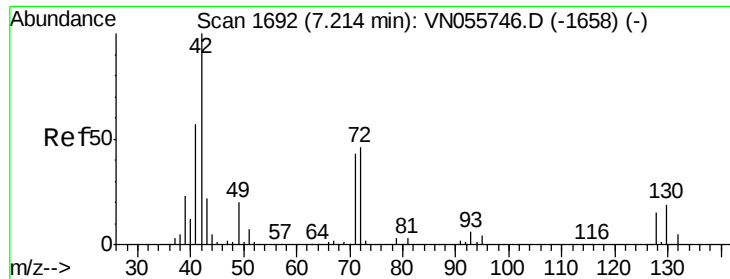


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

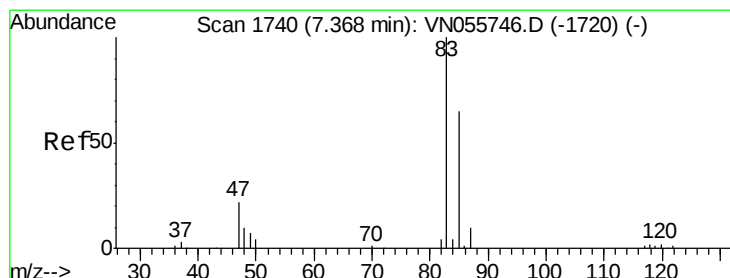
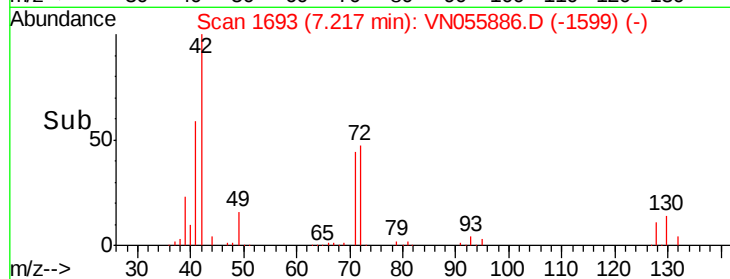
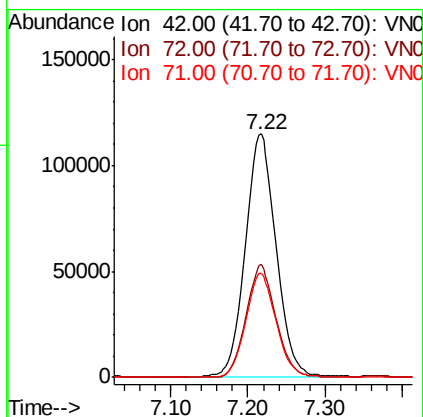
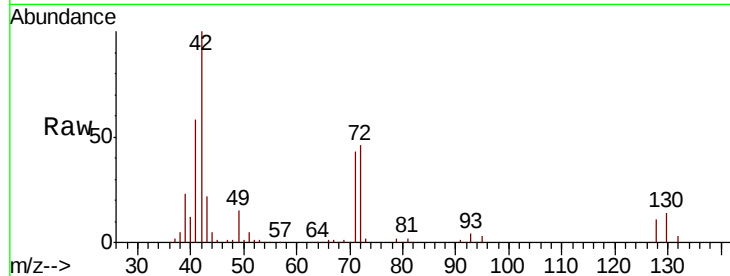




#29
Tetrahydrofuran
Concen: 268.854 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

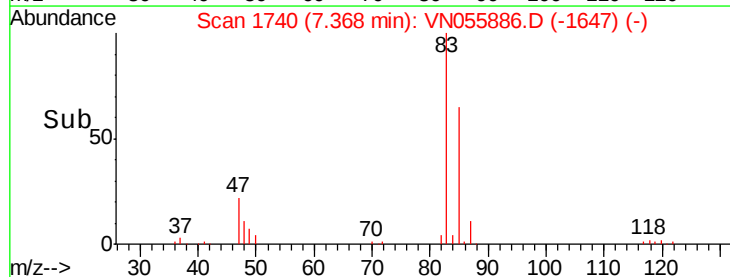
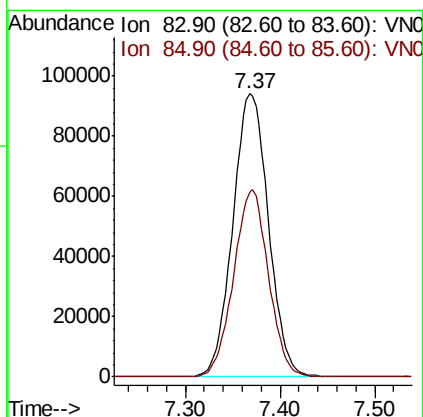
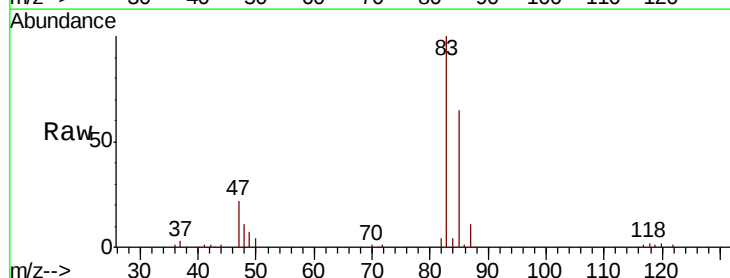
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

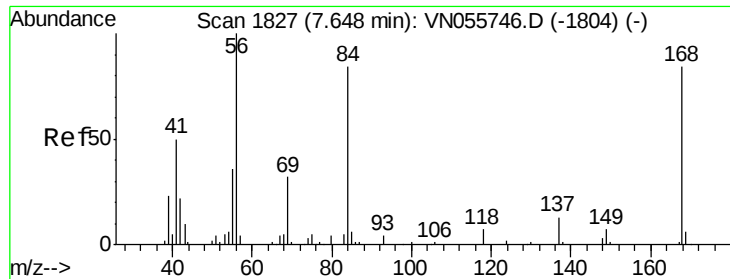
Tot Ion: 42 Resp: 320330
Ion Ratio Lower Upper
42 100
72 44.7 35.9 53.9
71 42.1 34.0 51.0



#30
Chloroform
Concen: 50.426 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 83 Resp: 246396
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.8

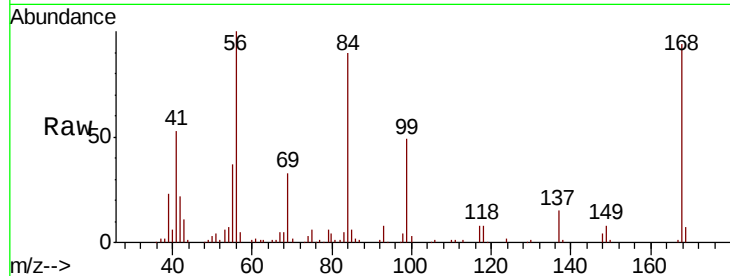




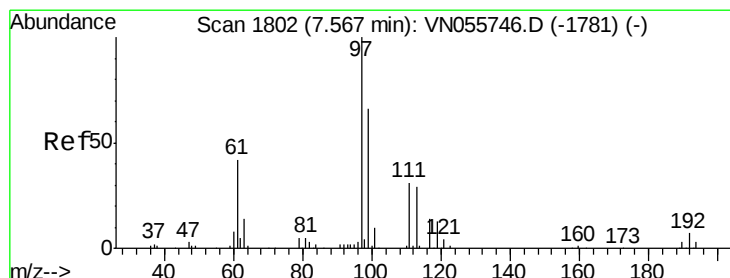
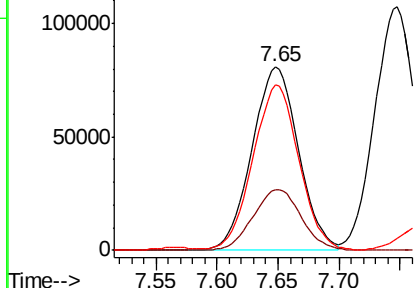
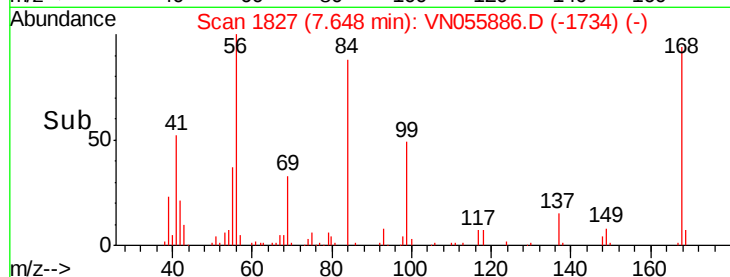
#31
Cyclohexane
Concen: 46.629 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 214493
Ion Ratio Lower Upper
56 100
69 33.1 25.6 38.4
84 88.8 67.4 101.0

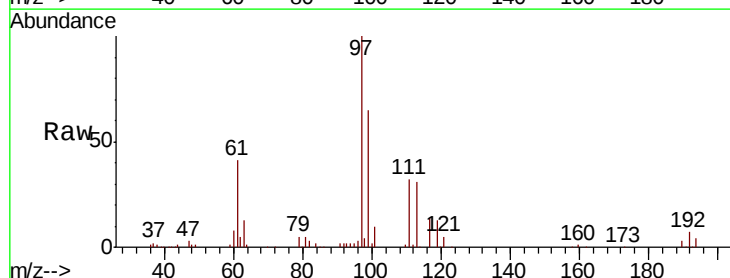


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

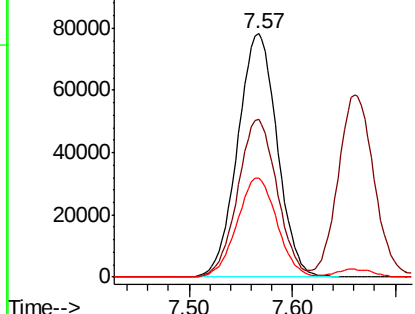
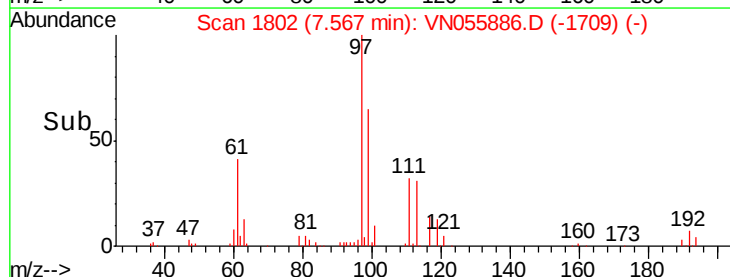


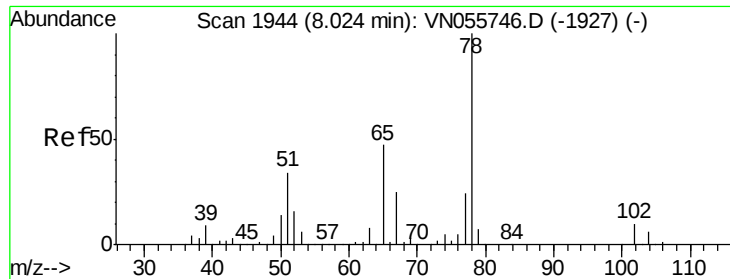
#32
1,1,1-Trichloroethane
Concen: 47.736 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 97 Resp: 208143
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 41.2 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 52.036 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

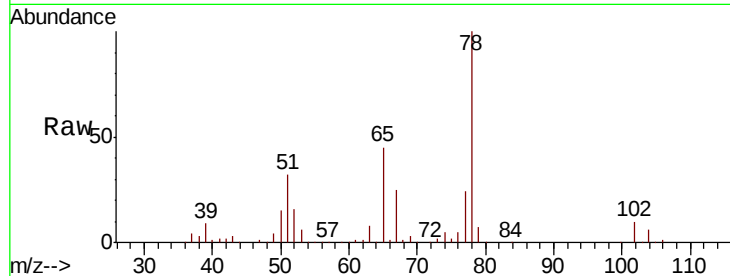
VSTDCCC050EC

Tot Ion: 65 Resp: 159476

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055886.D (-1851) (-)

Ion 66.90 (66.60 to 67.60): VN055886.D (-1851) (-)

8.02

60000

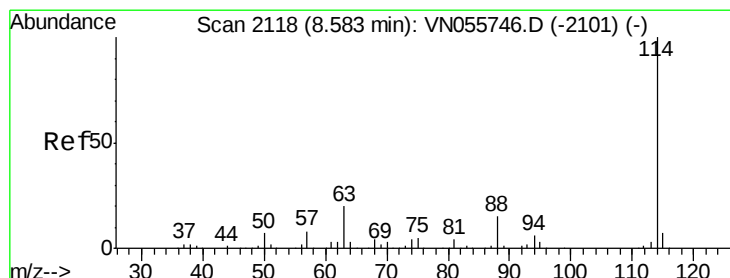
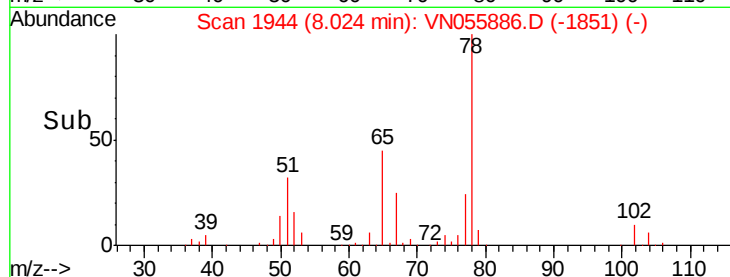
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

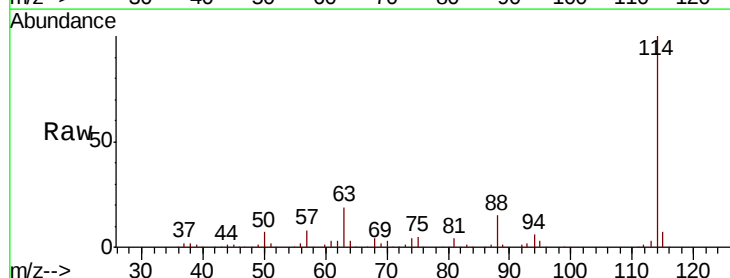
Tgt Ion: 114 Resp: 449769

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055886.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN055886.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN055886.D (-2025) (-)

8.58

250000

200000

150000

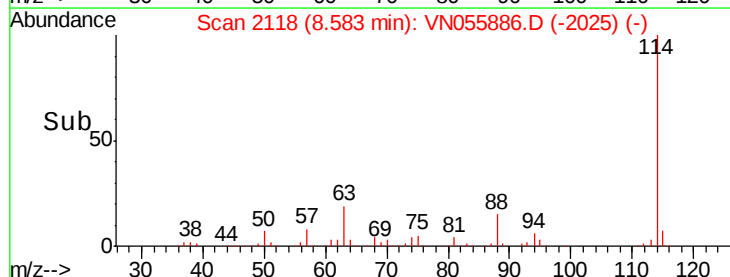
100000

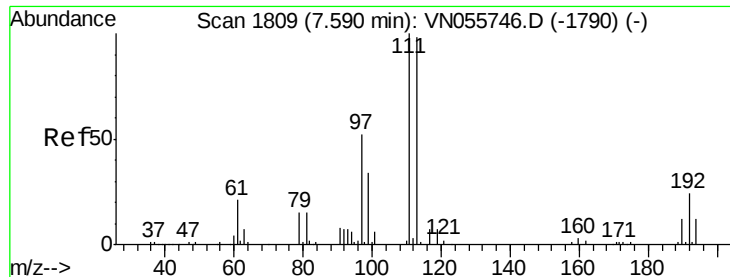
50000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 48.464 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

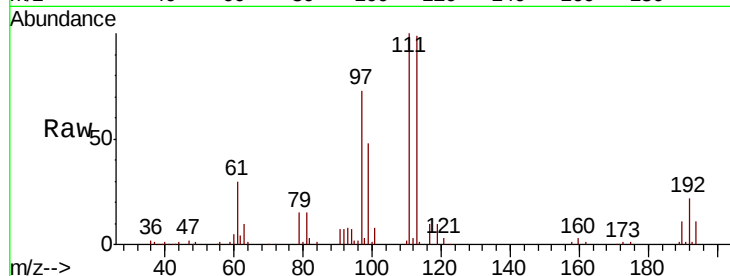
Tot Ion:113 Resp: 137813

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

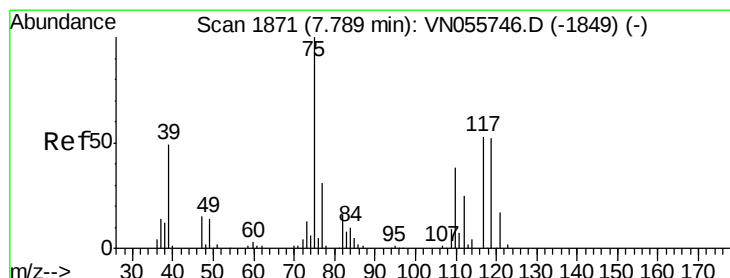
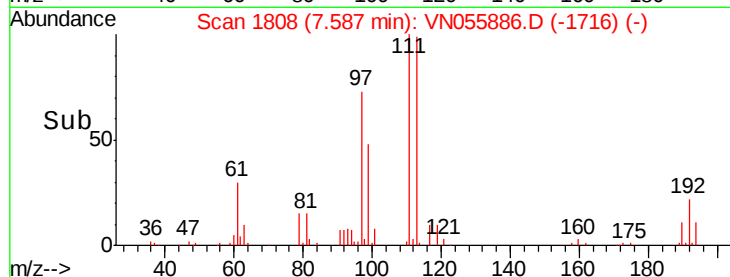
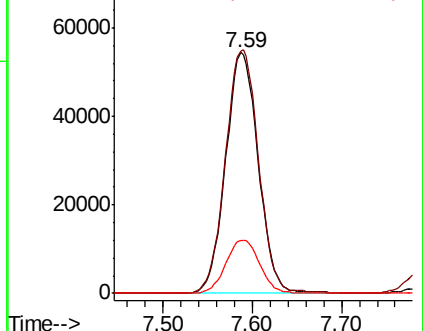
192 22.8 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.054 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

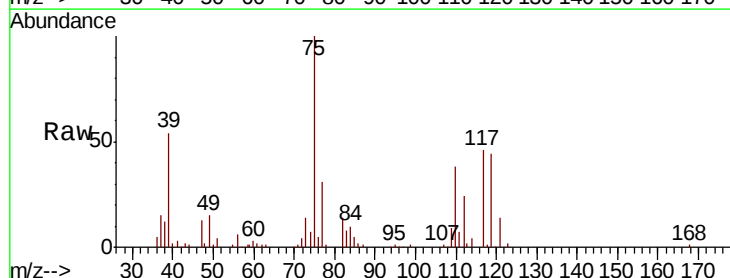
Tgt Ion: 75 Resp: 176592

Ion Ratio Lower Upper

75 100

110 38.8 19.0 57.0

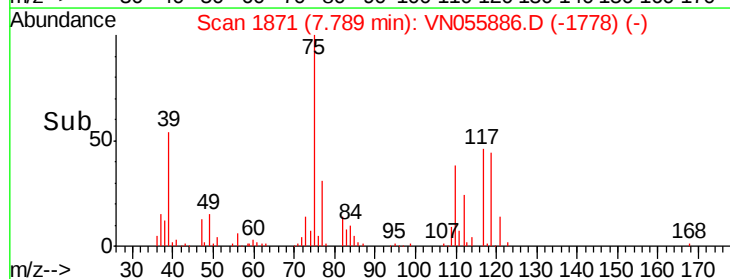
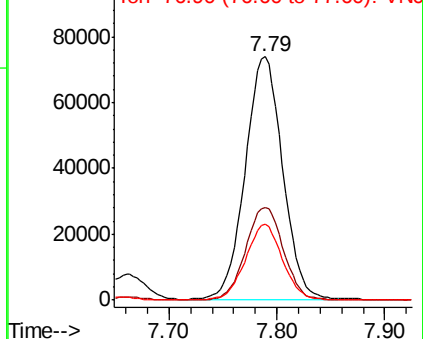
77 31.2 25.1 37.7

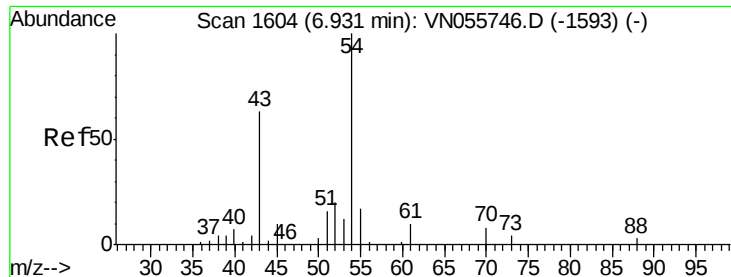


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

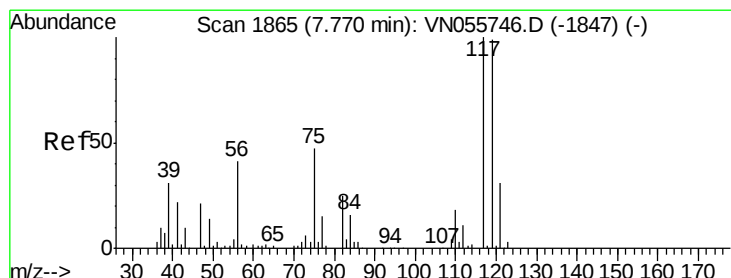
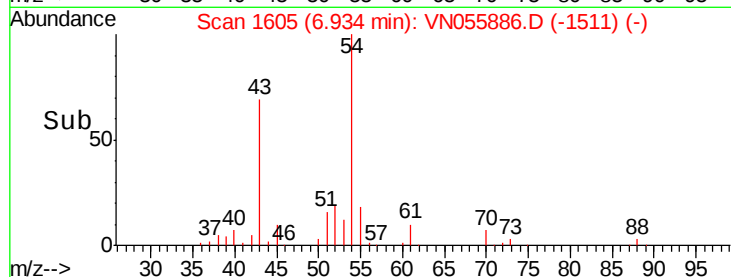
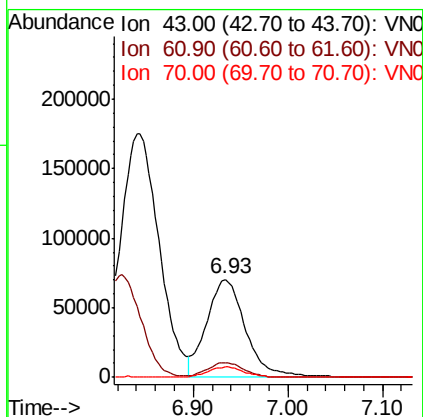
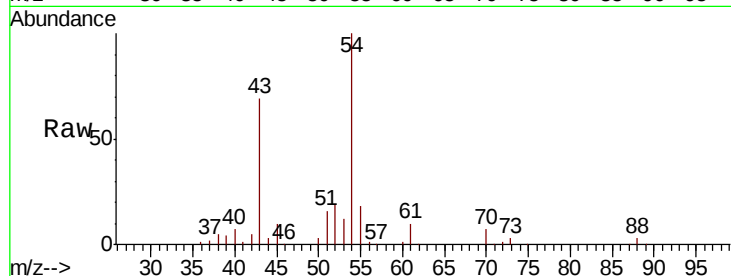




#37
Ethyl Acetate
Concen: 51.981 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

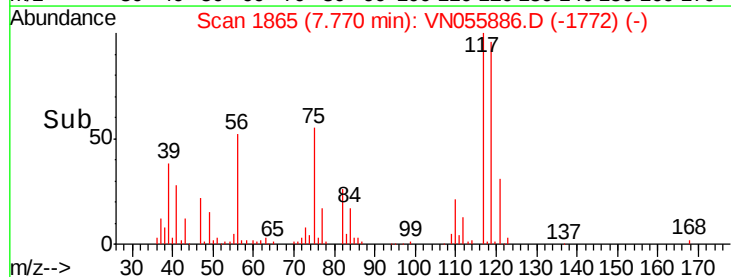
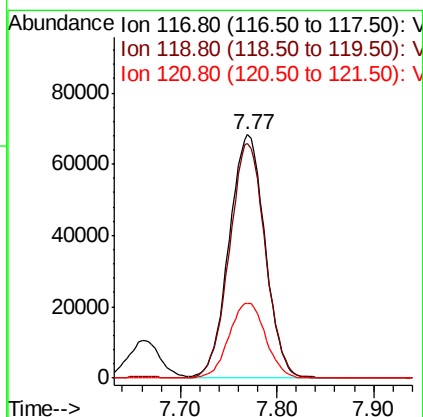
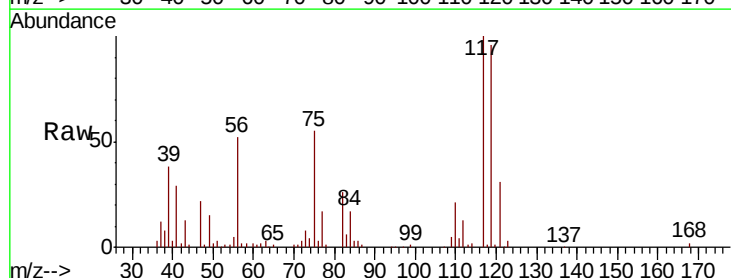
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

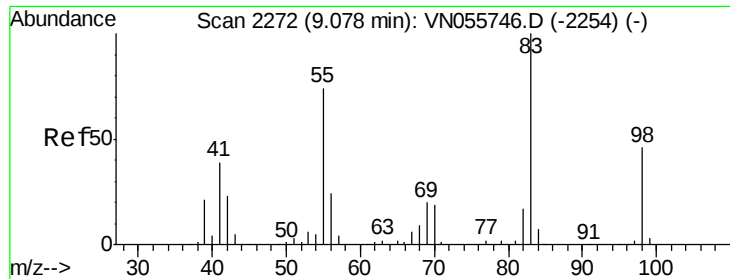
Tot Ion	43	Resp	196917
Ion Ratio	Lower	Upper	
43	100		
61	14.7	12.2	18.2
70	10.4	8.9	13.3



#38
Carbon Tetrachloride
Concen: 43.315 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion	117	Resp	176844
Ion Ratio	Lower	Upper	
117	100		
119	96.5	79.0	118.6
121	30.8	24.7	37.1

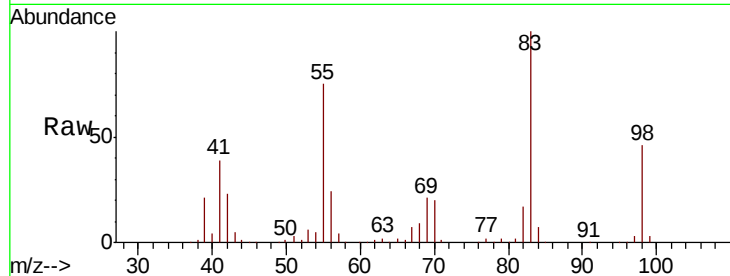




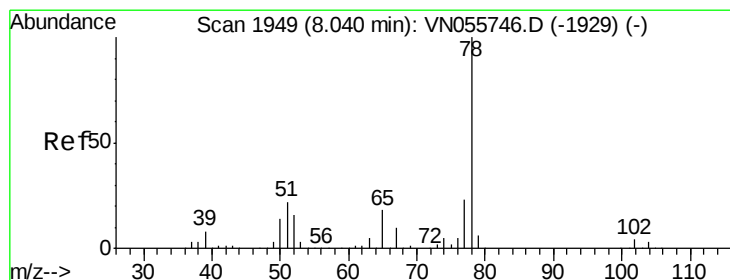
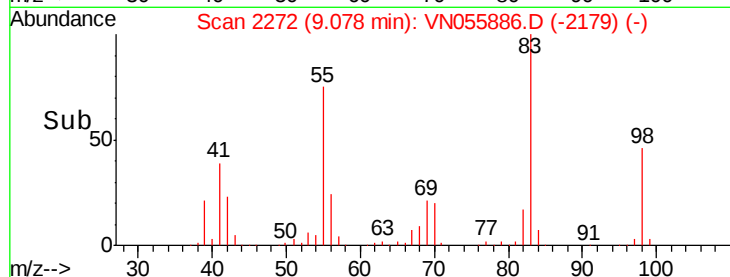
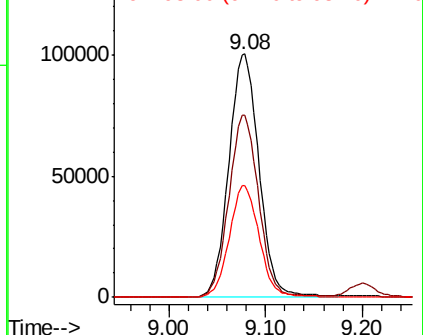
#39
Methvlcvclohexane
Concen: 45.069 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 218751
Ion Ratio Lower Upper
83 100
55 74.9 59.3 88.9
98 46.1 36.6 54.8

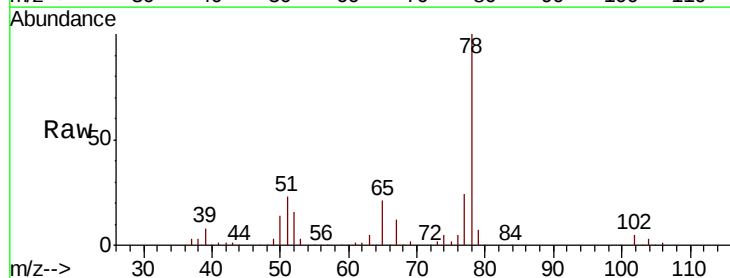


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

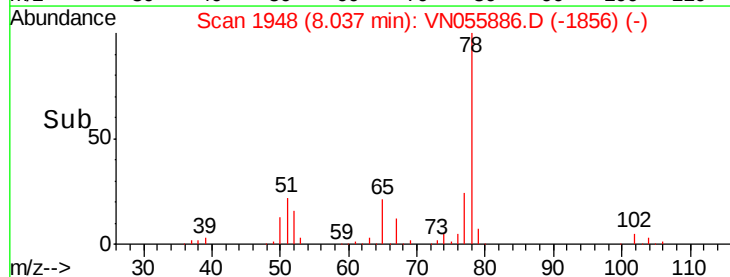
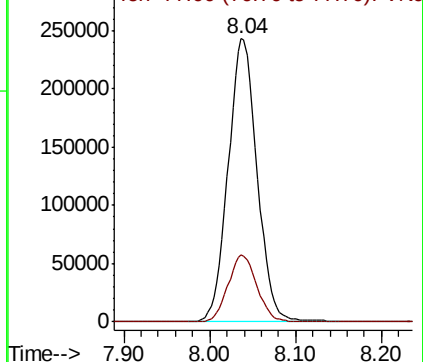


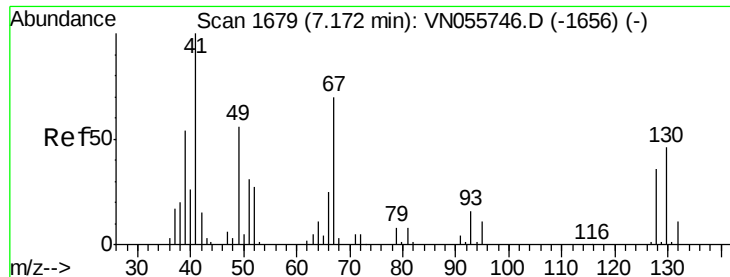
#40
Benzene
Concen: 48.009 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 78 Resp: 567114
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

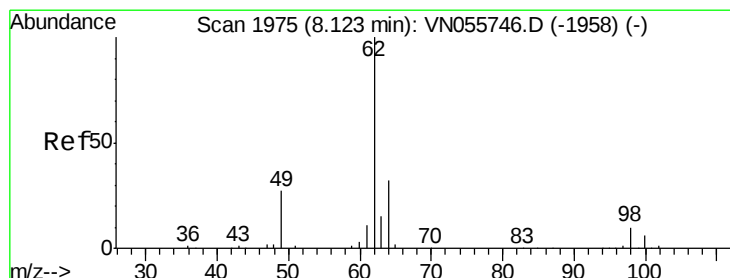
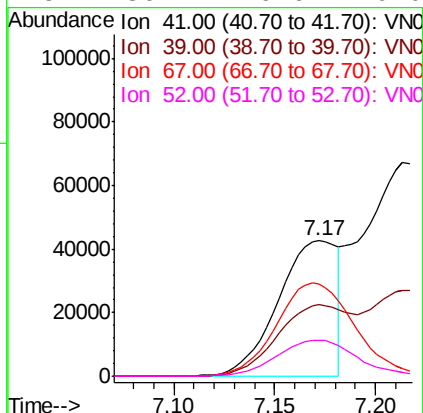
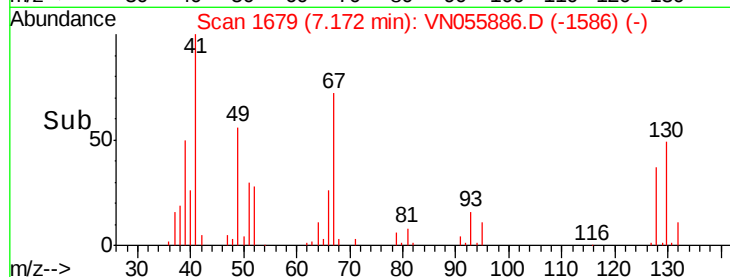
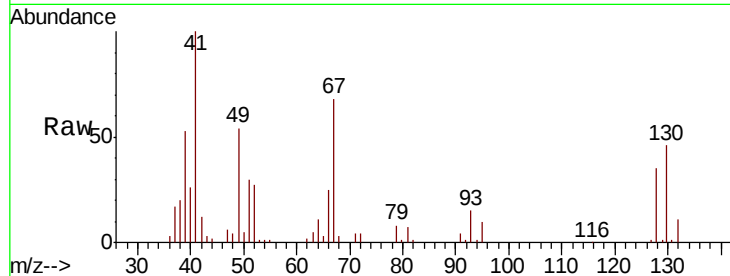




#41
Methacrylonitrile
Concen: 45.223 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

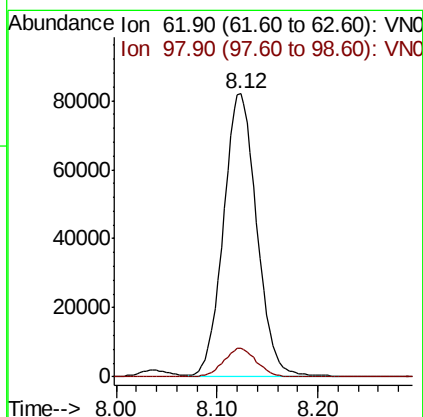
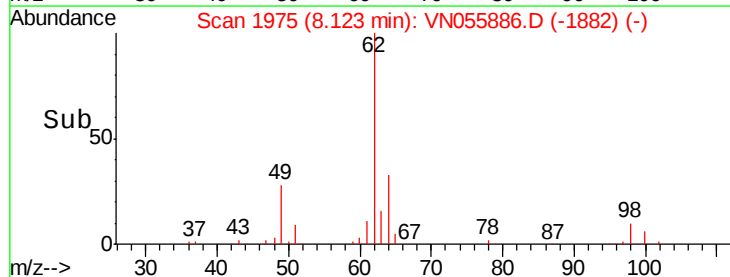
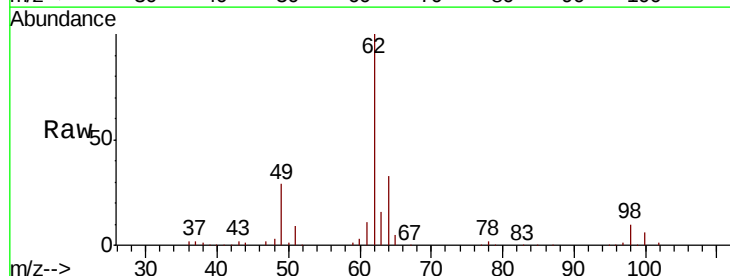
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

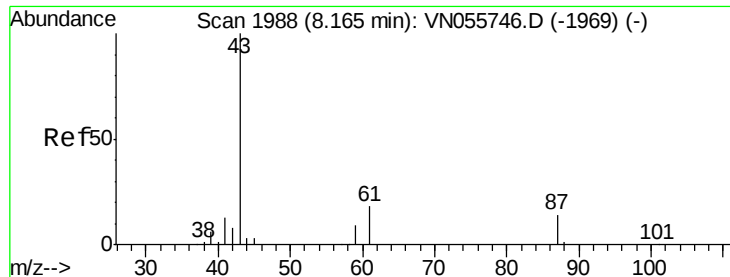
Tot Ion: 41 Resp: 86549
Ion Ratio Lower Upper
41 100
39 66.3 45.6 68.4
67 91.6 67.7 101.5
52 36.7 26.6 40.0



#42
1,2-Dichloroethane
Concen: 48.683 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 62 Resp: 187917
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.2





#43

Isopropyl Acetate

Concen: 49.405 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

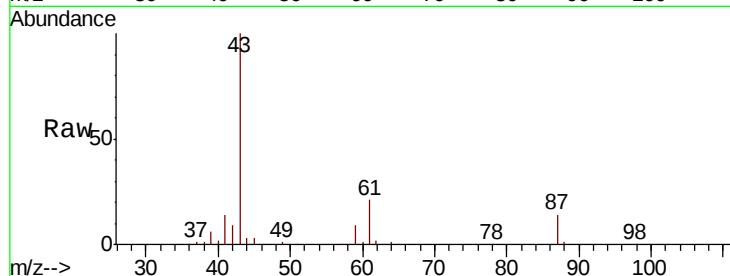
Tot Ion: 43 Resp: 314460

Ion Ratio Lower Upper

43 100

61 20.9 22.2 33.4#

87 13.9 11.4 17.2

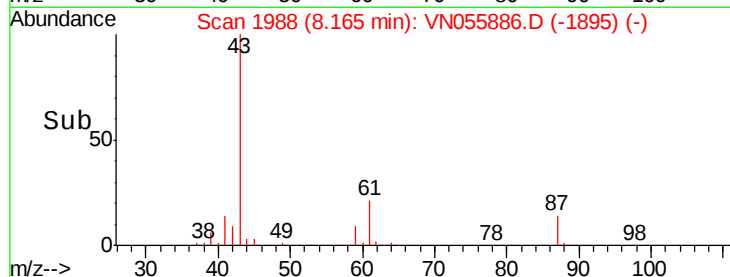


Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.17



Abundance

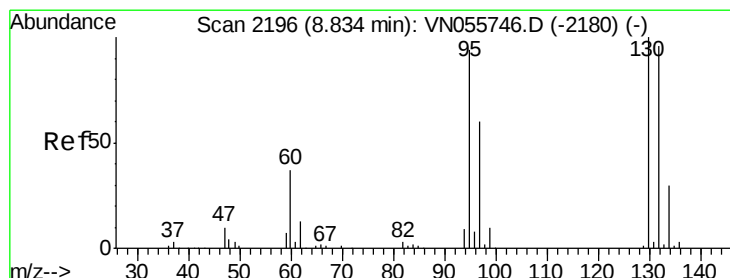
Ion 43.00 (42.70 to 43.70): VN055886.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN055886.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN055886.D (-1895) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 47.631 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055886.D

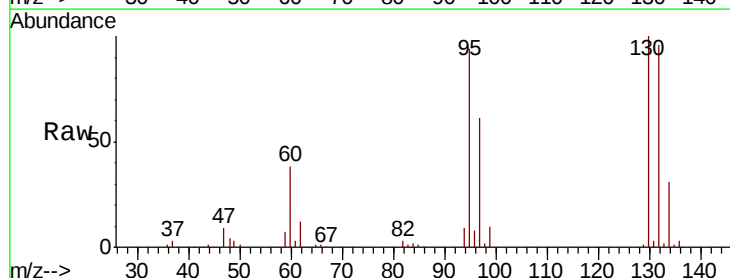
Acq: 29 May 2019 18:43

Tgt Ion:130 Resp: 156858

Ion Ratio Lower Upper

130 100

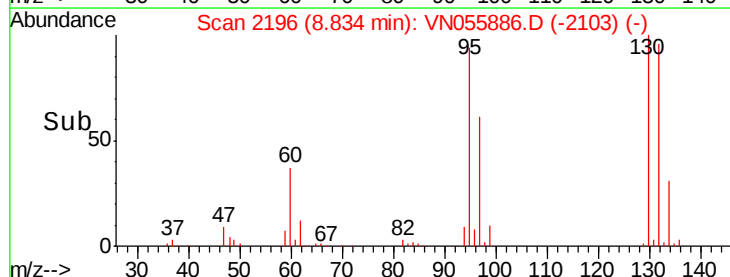
95 94.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.83



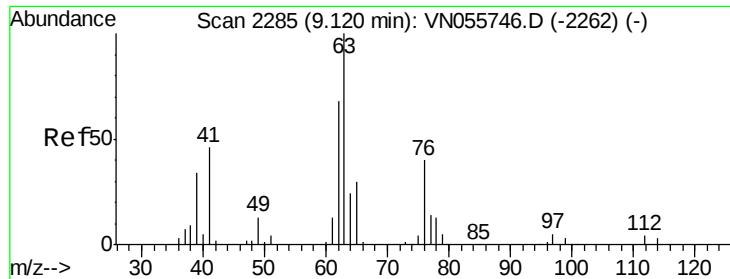
Abundance

Ion 129.80 (129.50 to 130.50): VN055886.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055886.D (-2103) (-)

8.83

Time-->



#45

1,2-Dichloropropane

Concen: 48.761 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

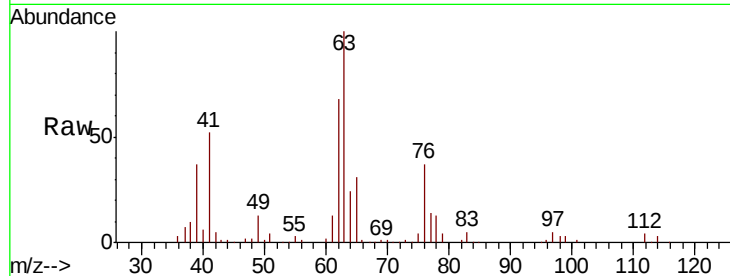
VSTDCCC050EC

Tot Ion: 63 Resp: 150073

Ion Ratio Lower Upper

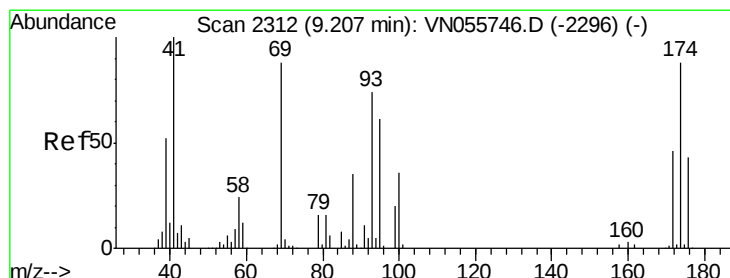
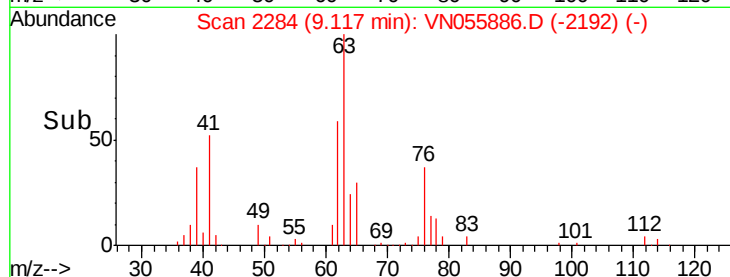
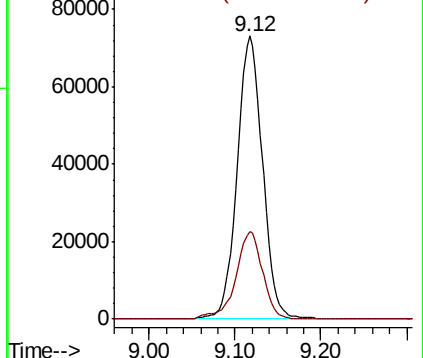
63 100

65 31.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.750 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

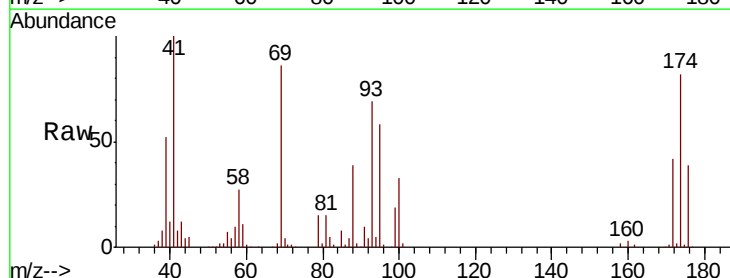
Tgt Ion: 93 Resp: 98398

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

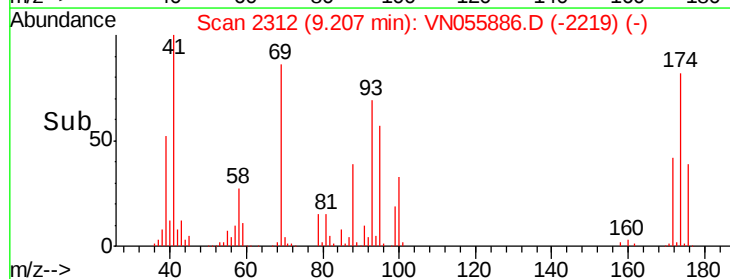
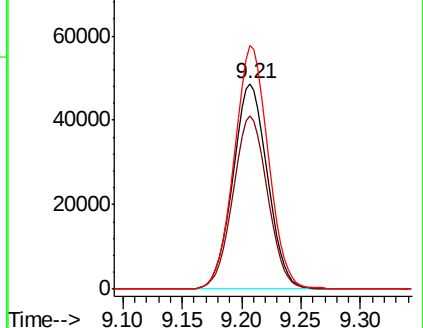
174 116.9 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.096 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

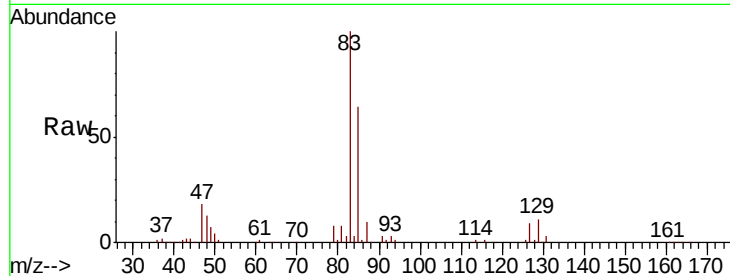
Tot Ion: 83 Resp: 190782

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.2

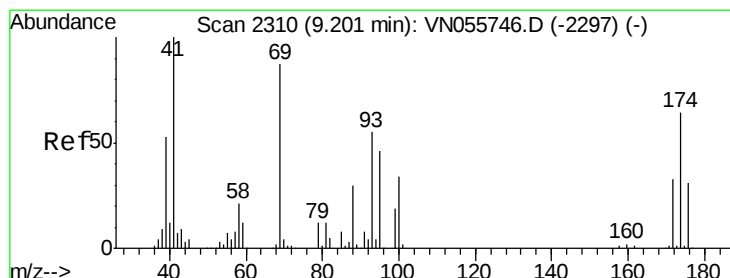
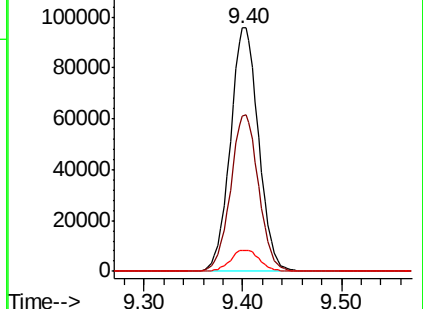
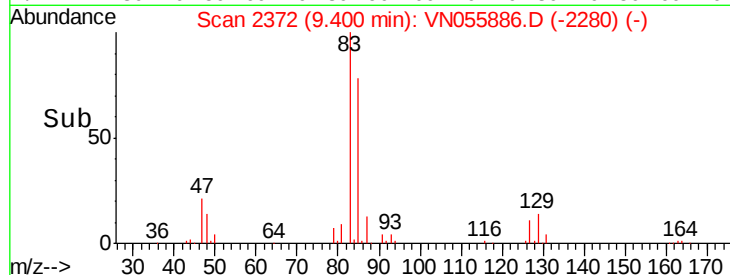
127 8.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055886.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055886.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055886.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.057 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

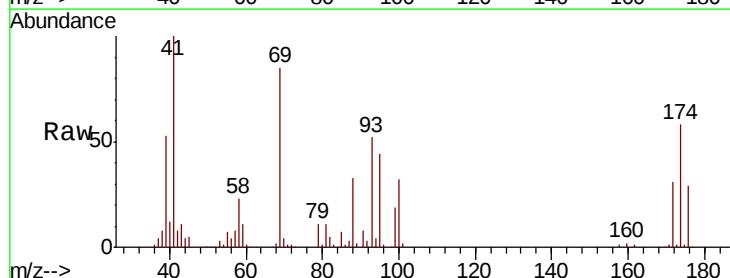
Tgt Ion: 41 Resp: 155640

Ion Ratio Lower Upper

41 100

69 87.8 71.0 106.6

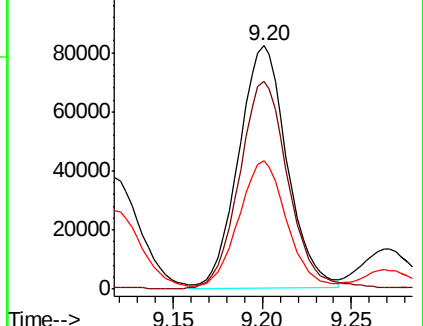
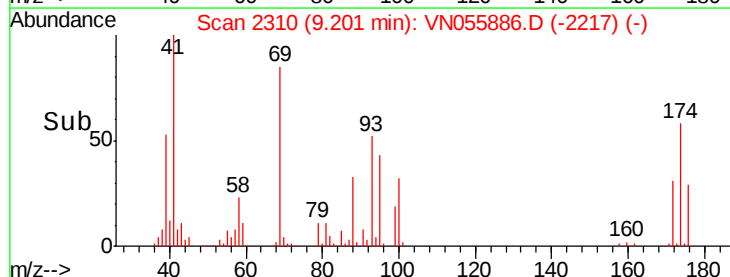
39 52.4 44.2 66.2

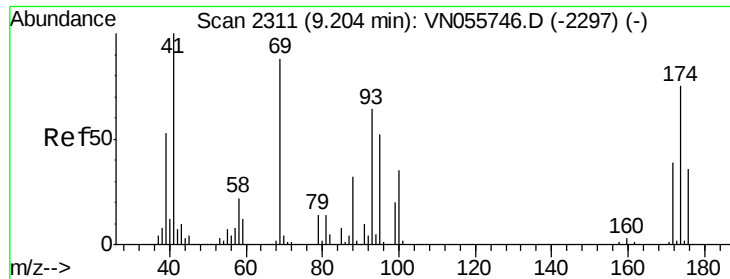


Abundance Ion 41.00 (40.70 to 41.70): VN055886.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055886.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055886.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1092.633 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

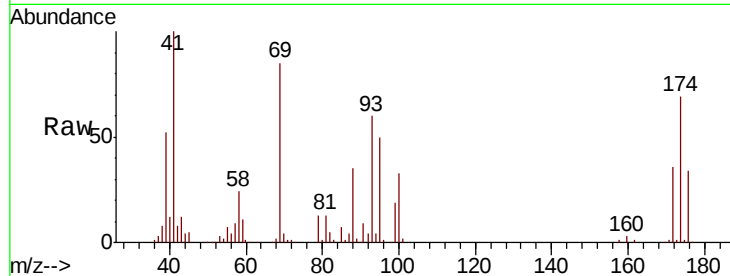
Tot Ion: 88 Resp: 66606

Ion Ratio Lower Upper

88 100

43 27.2 20.5 30.7

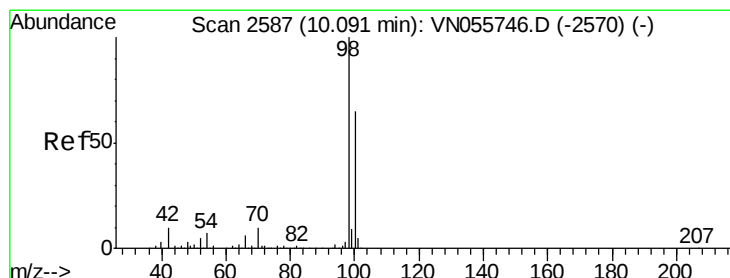
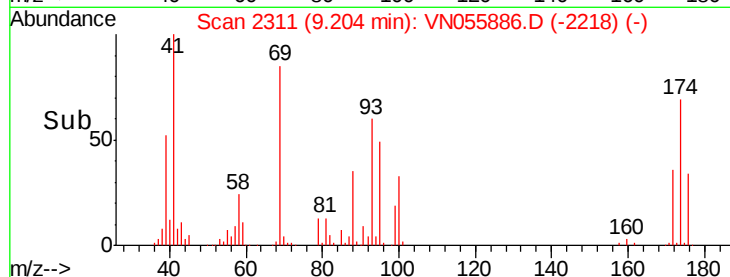
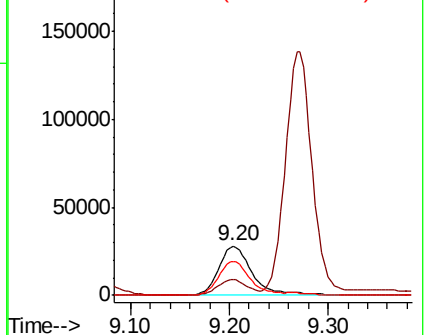
58 65.2 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.883 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055886.D

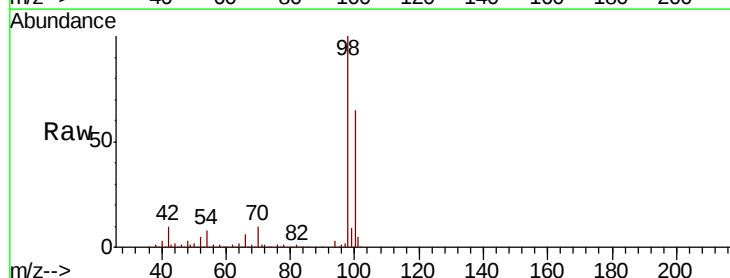
Acq: 29 May 2019 18:43

Tgt Ion: 98 Resp: 533201

Ion Ratio Lower Upper

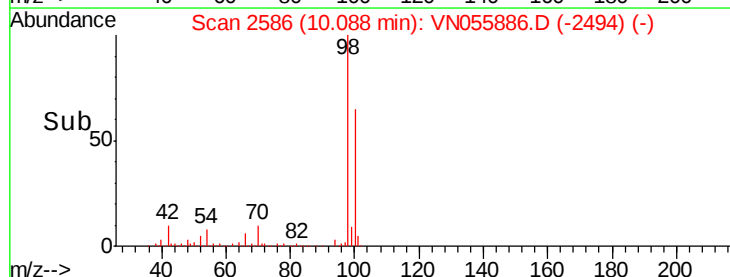
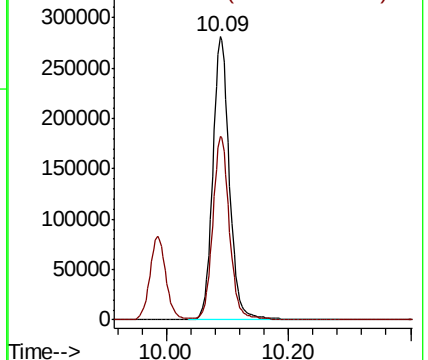
98 100

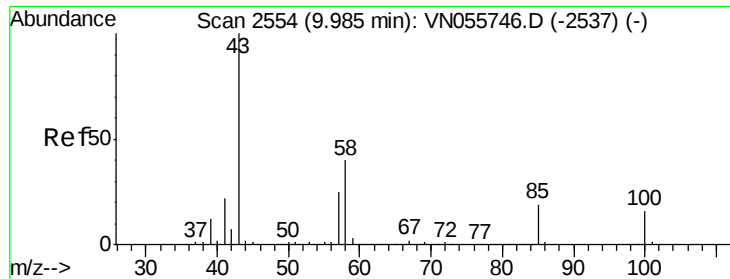
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 263.402 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

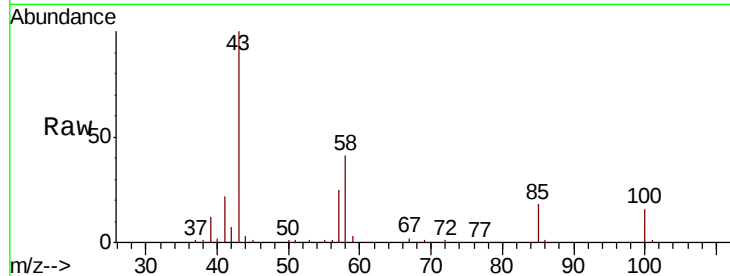
VSTDCCC050EC

Tot Ion: 43 Resp: 990161

Ion Ratio Lower Upper

43 100

58 39.9 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

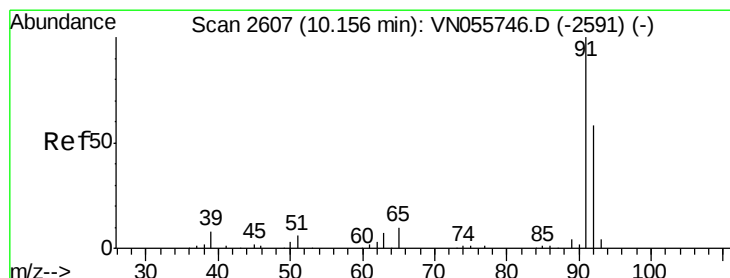
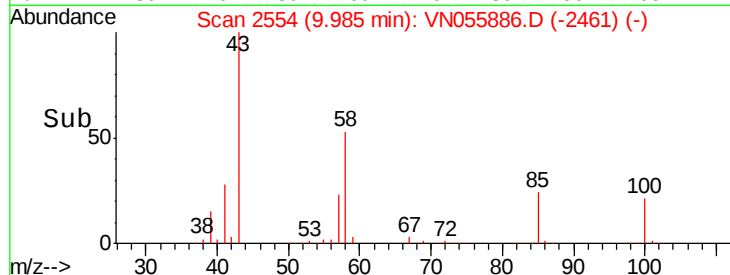
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.556 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055886.D

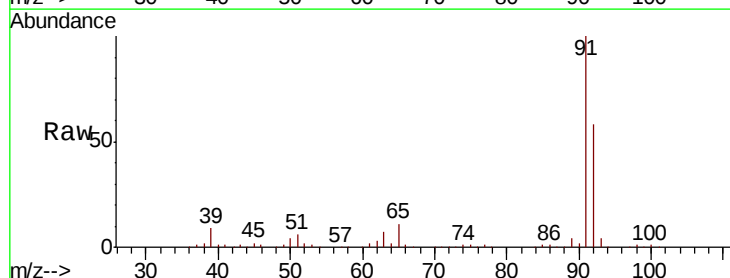
Acq: 29 May 2019 18:43

Tgt Ion: 92 Resp: 360743

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

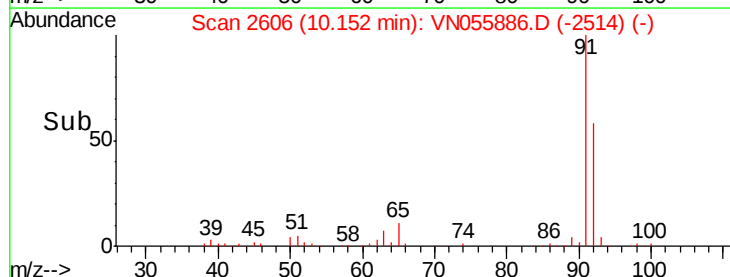
300000

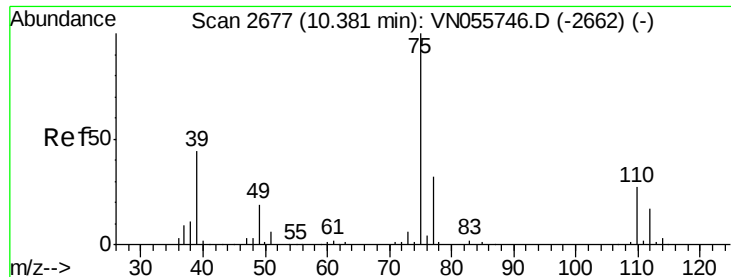
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.315 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

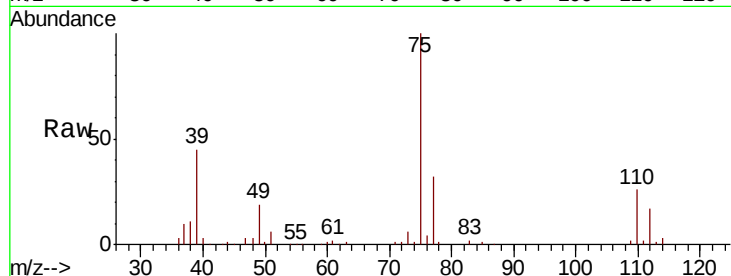
VSTDCCC050EC

Tot Ion: 75 Resp: 204613

Ion Ratio Lower Upper

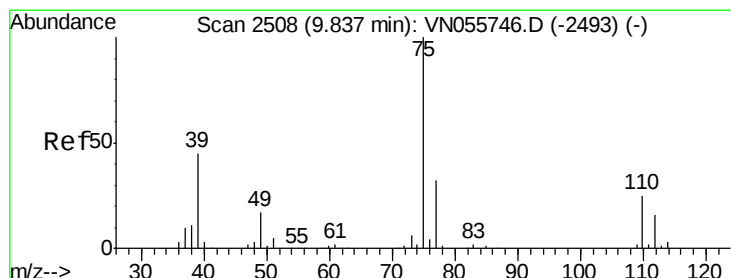
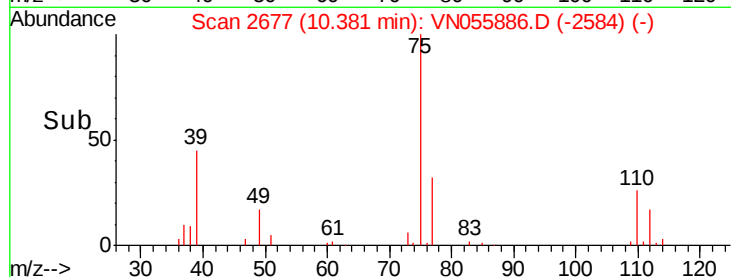
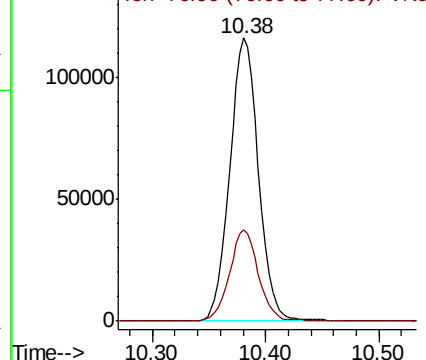
75 100

77 32.1 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 47.031 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

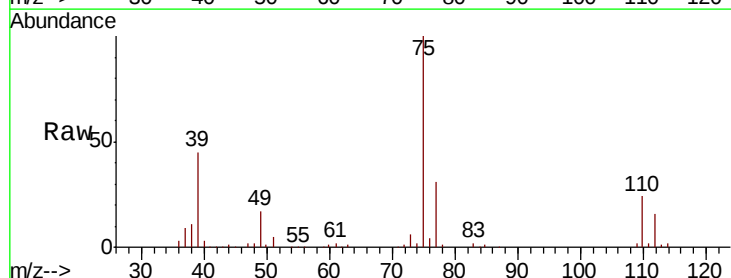
Tgt Ion: 75 Resp: 230177

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

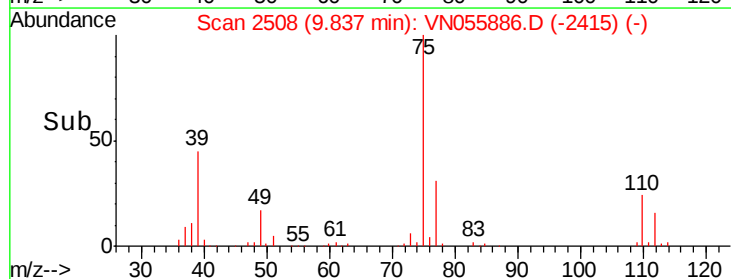
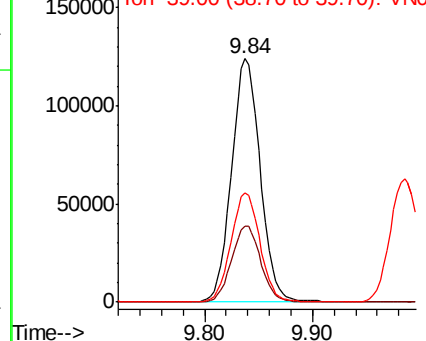
39 44.9 36.3 54.5

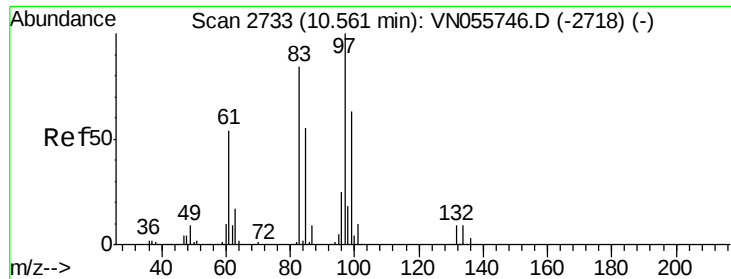


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

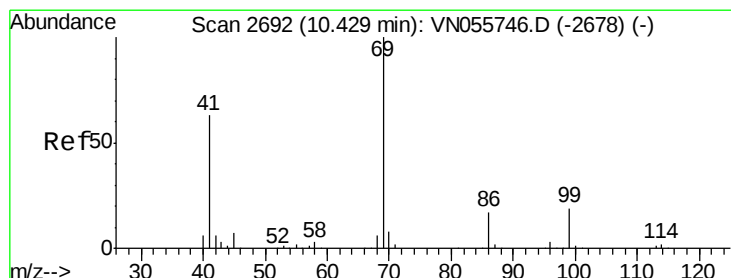
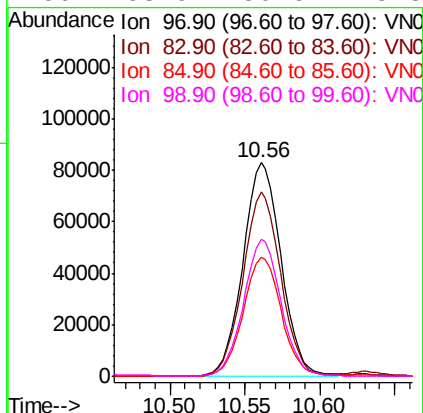
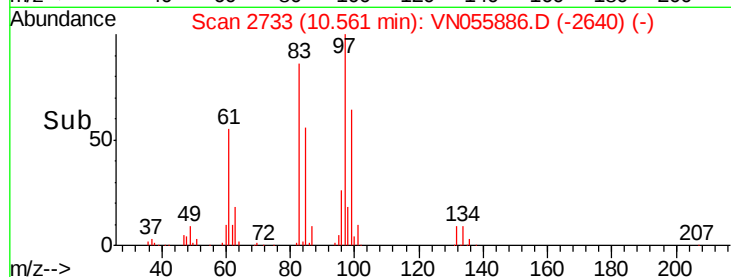
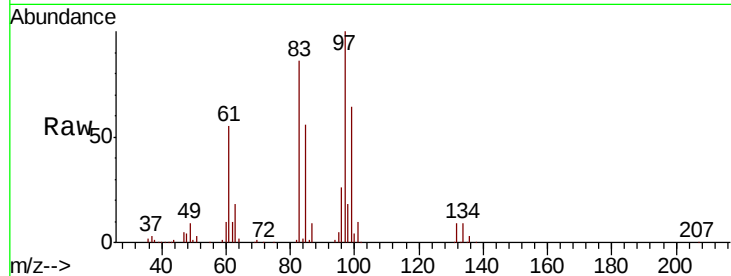




#55
 1,1,2-Trichloroethane
 Concen: 49.380 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

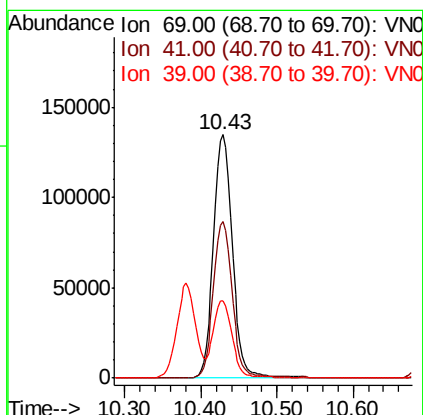
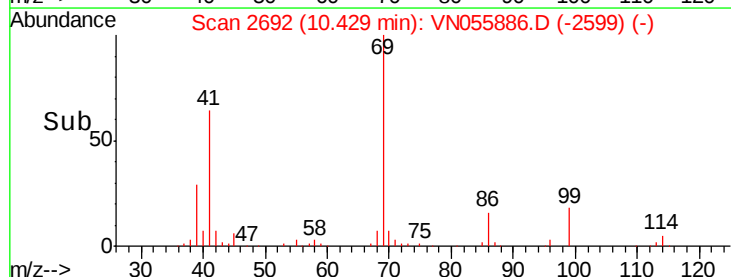
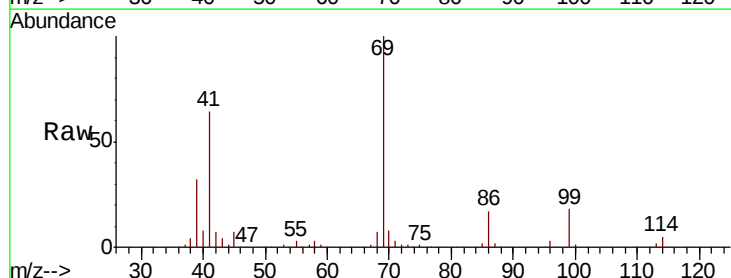
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

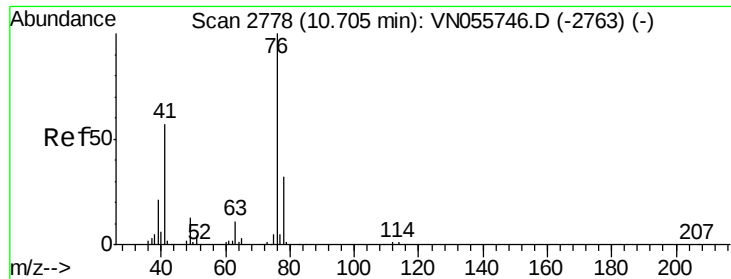
Tot Ion: 97 Resp: 146969
 Ion Ratio Lower Upper
 97 100
 83 86.2 67.0 100.6
 85 55.9 44.0 66.0
 99 63.9 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 50.788 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 69 Resp: 233613
 Ion Ratio Lower Upper
 69 100
 41 63.2 49.7 74.5
 39 31.2 24.7 37.1

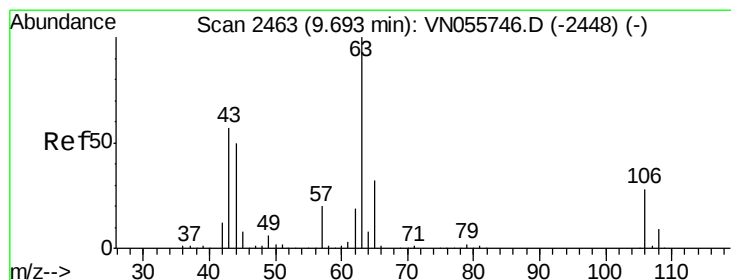
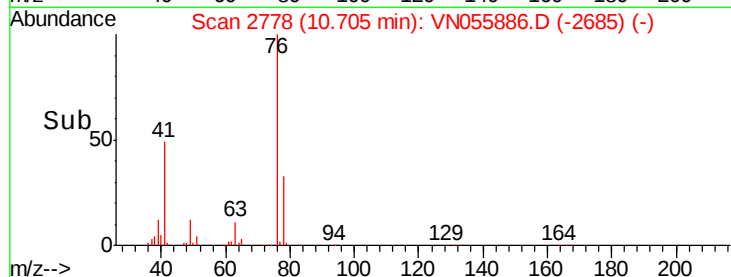
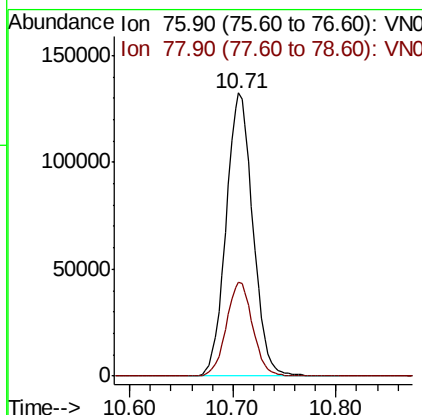
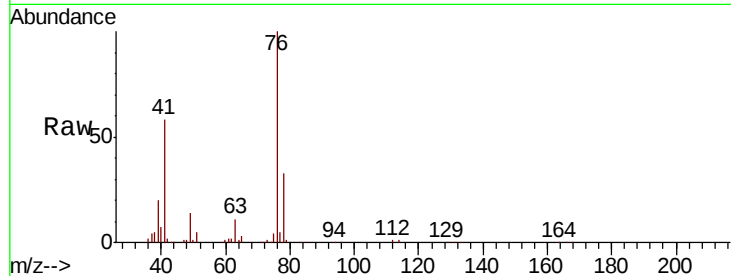




#57
 1,3-Dichloropropane
 Concen: 49.665 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

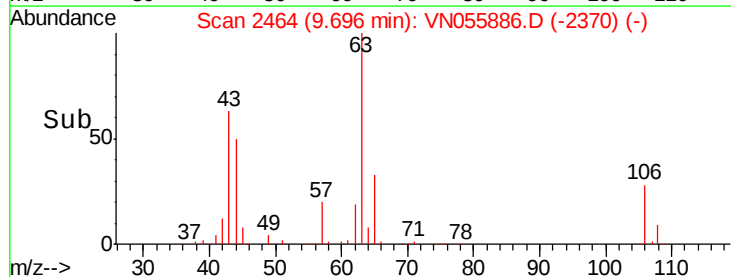
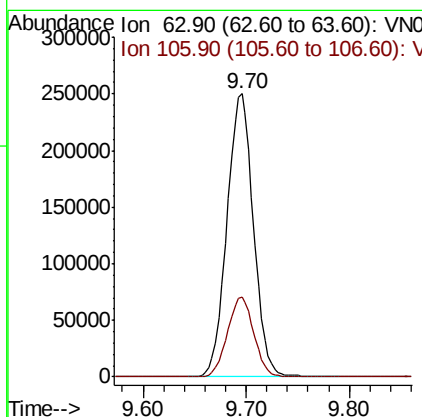
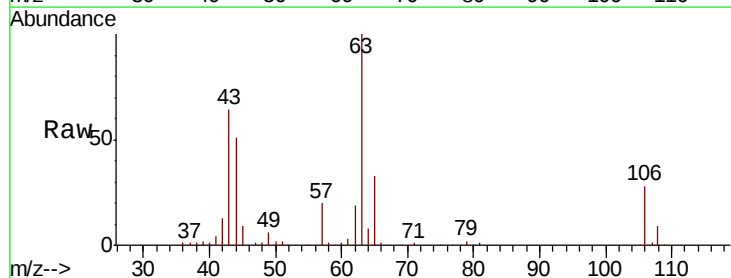
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

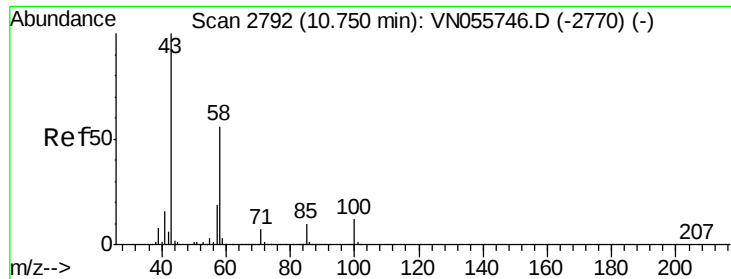
Tot Ion: 76 Resp: 240273
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.887 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 63 Resp: 448053
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1

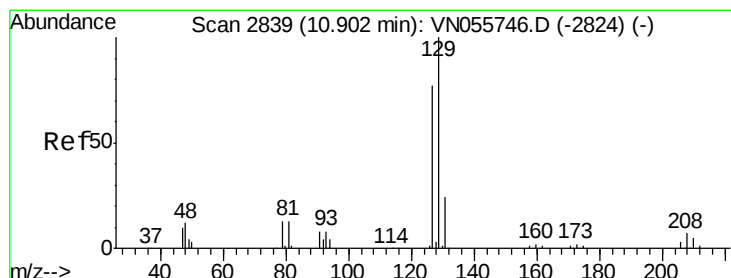
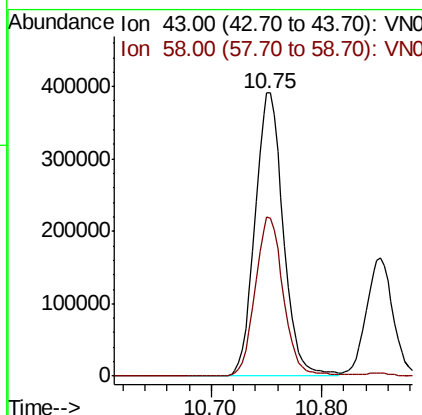
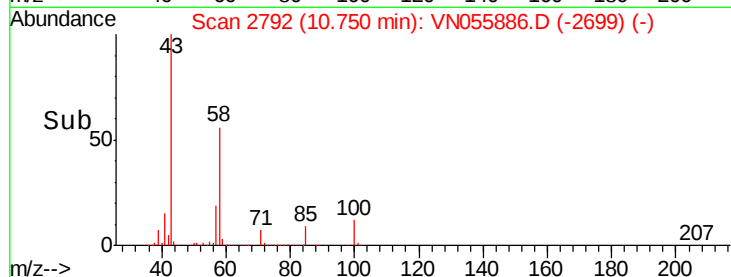
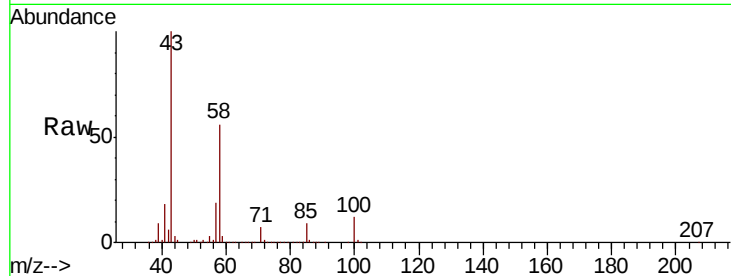




#59
2-Hexanone
Concen: 260.095 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

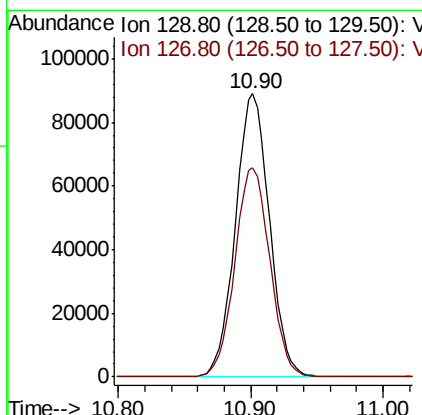
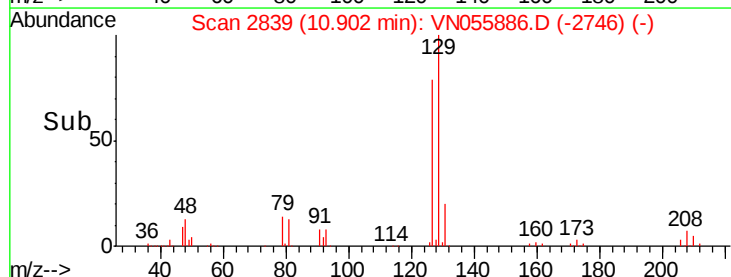
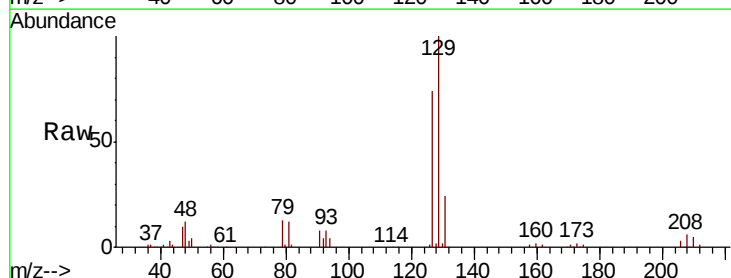
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

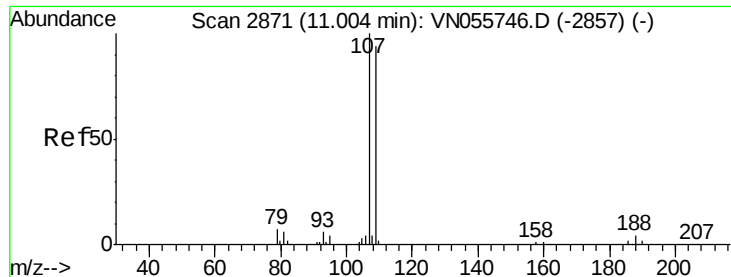
Tot Ion: 43 Resp: 693610
Ion Ratio Lower Upper
43 100
58 56.2 28.2 84.7



#60
Dibromochloromethane
Concen: 45.782 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 129 Resp: 158736
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 49.134 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

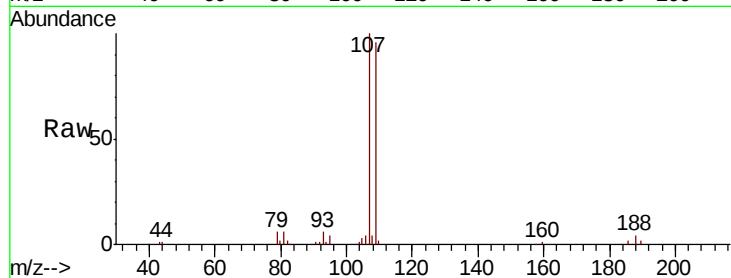
VSTDCCC050EC

Tot Ion:107 Resp: 151685

Ion Ratio Lower Upper

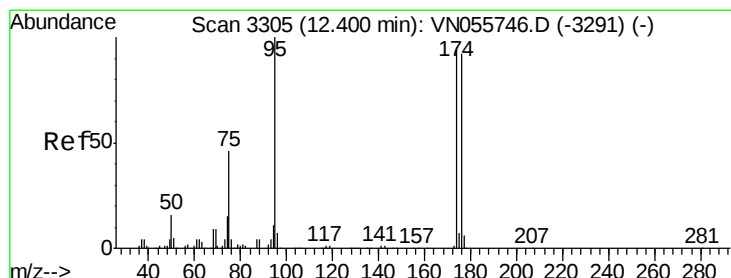
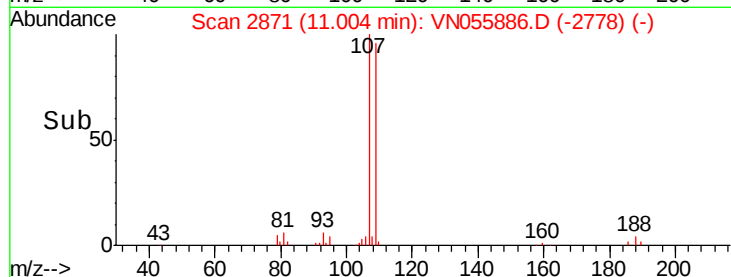
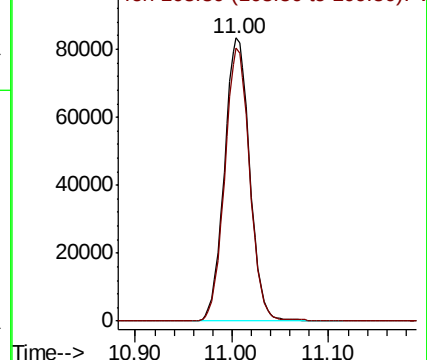
107 100

109 95.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.700 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

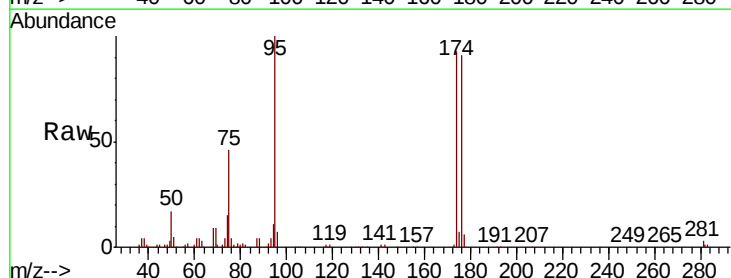
Tgt Ion: 95 Resp: 185885

Ion Ratio Lower Upper

95 100

174 91.9 0.0 191.0

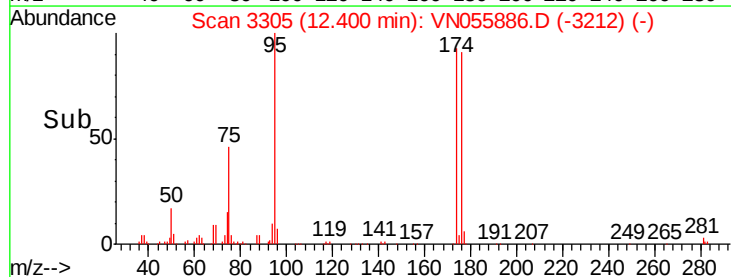
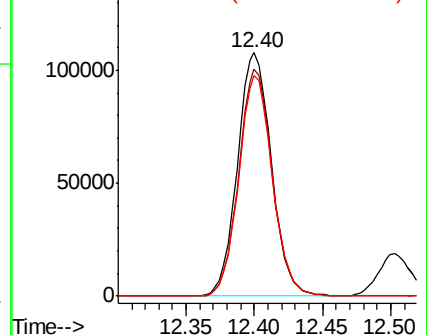
176 89.7 0.0 185.2

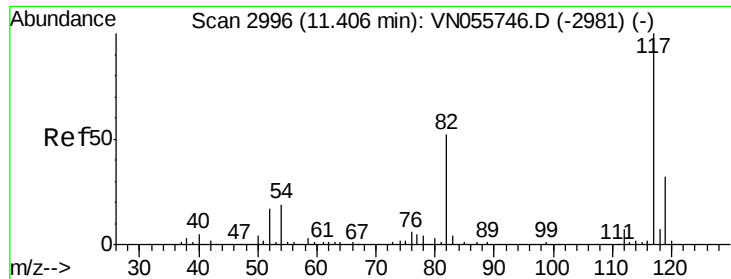


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

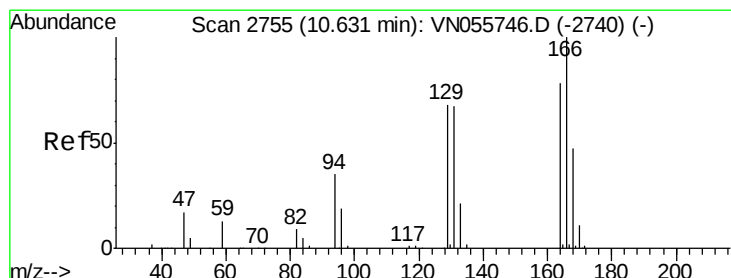
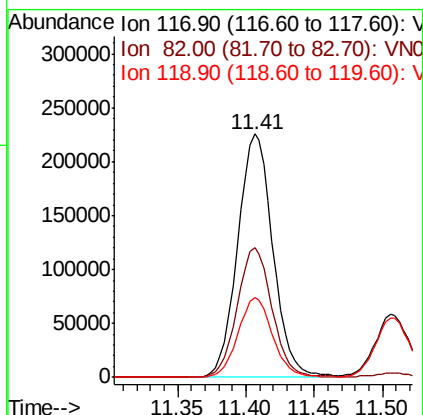
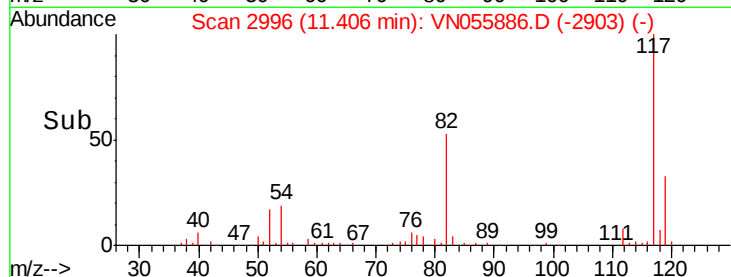
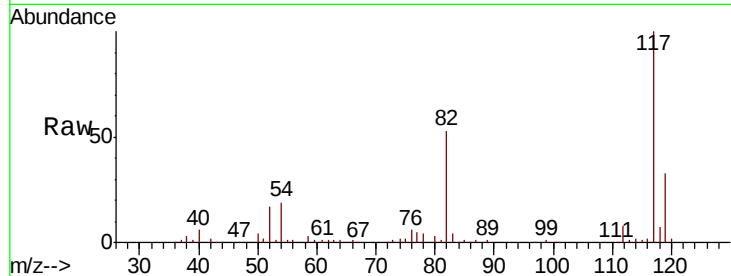




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

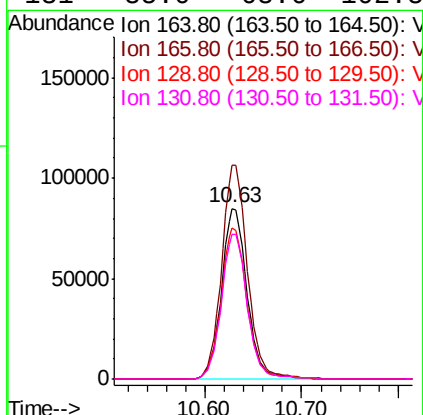
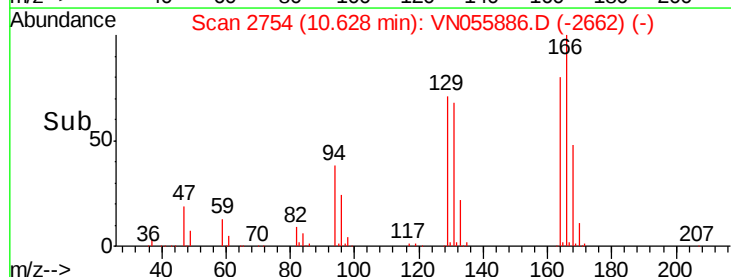
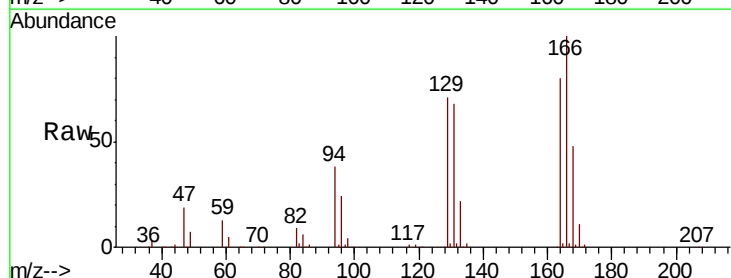
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

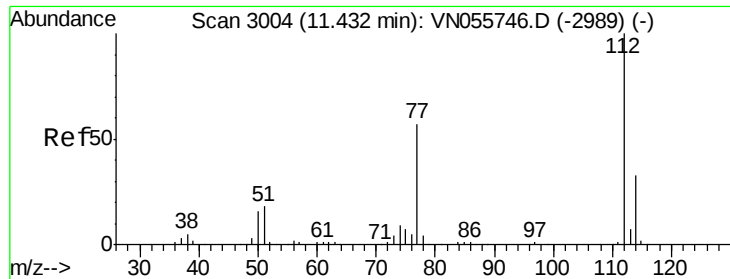
Tot Ion:117 Resp: 404660
Ion Ratio Lower Upper
117 100
82 53.4 41.8 62.8
119 32.9 25.4 38.0



#64
Tetrachloroethene
Concen: 45.515 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion:164 Resp: 155342
Ion Ratio Lower Upper
164 100
166 125.0 103.0 154.6
129 88.6 70.6 105.8
131 85.0 68.6 102.8

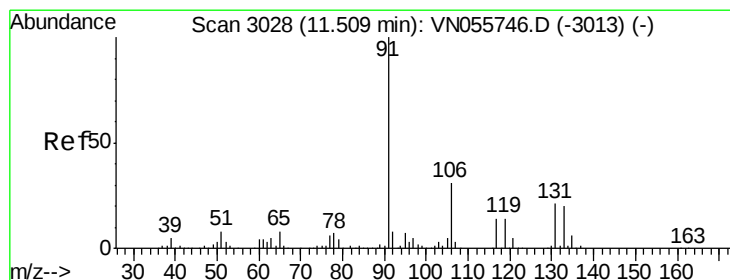
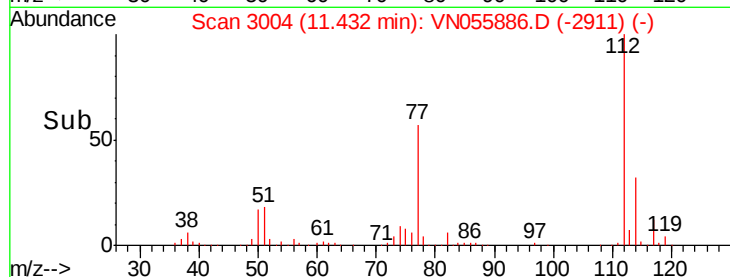
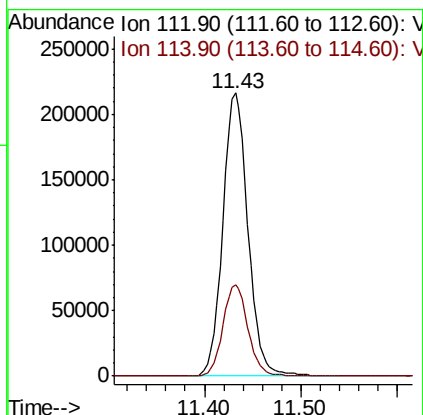
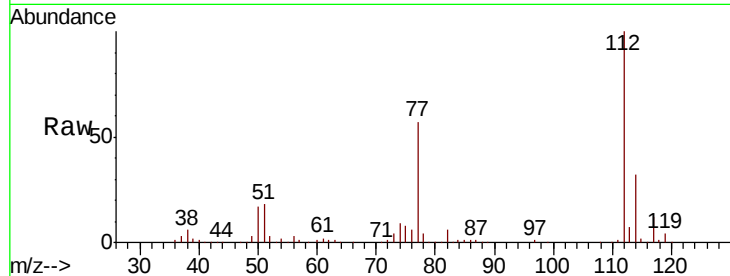




#65
Chlorobenzene
Concen: 48.103 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

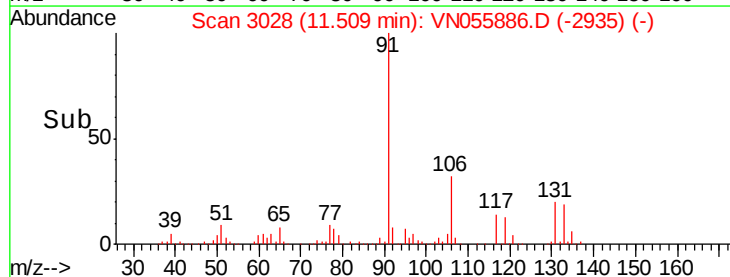
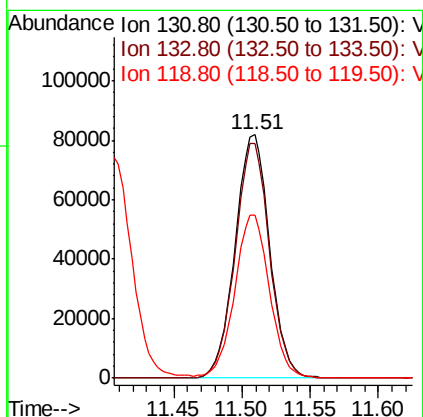
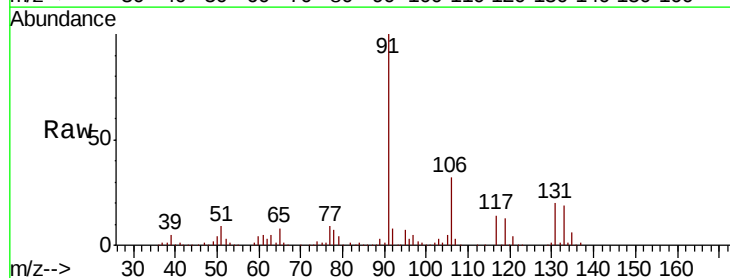
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

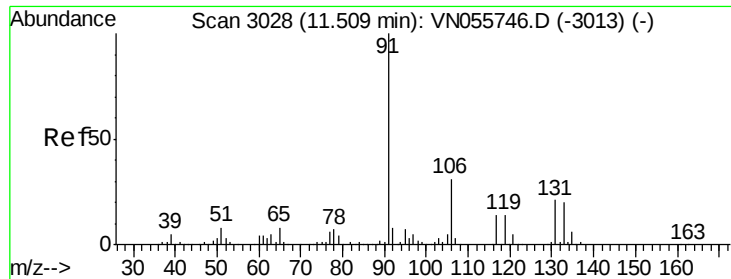
Tot Ion:112 Resp: 389677
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 44.631 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion:131 Resp: 144199
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 67.3 33.1 99.5

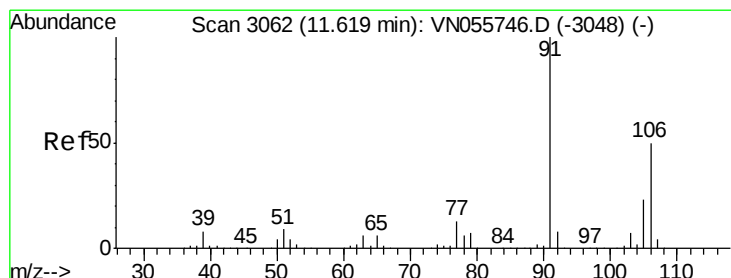
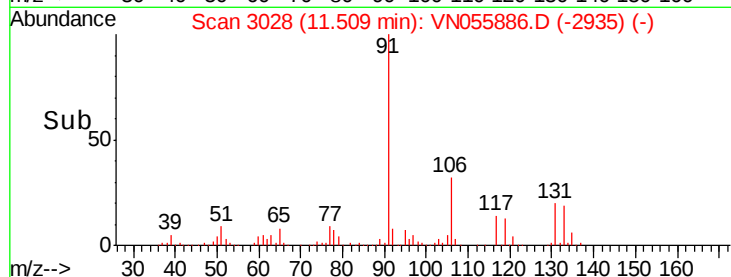
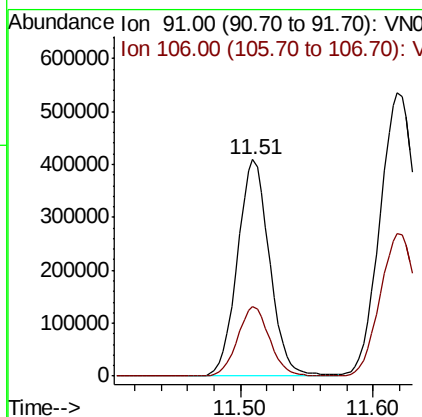
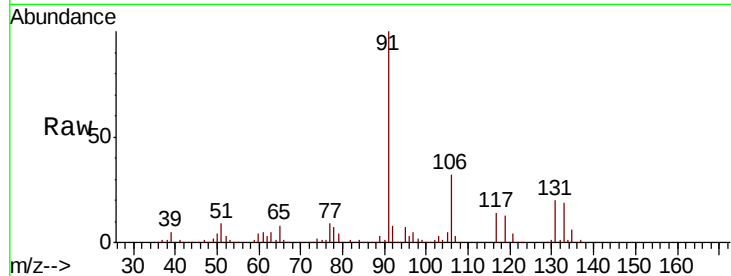




#67
Ethyl Benzene
Concen: 47.459 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

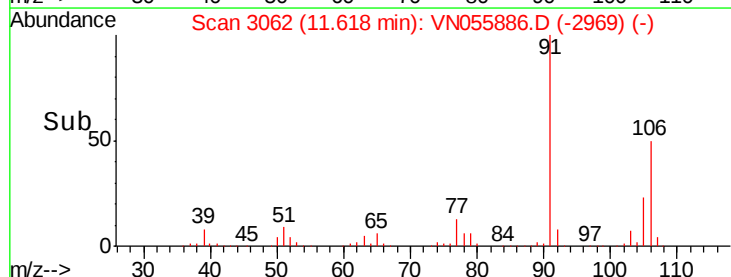
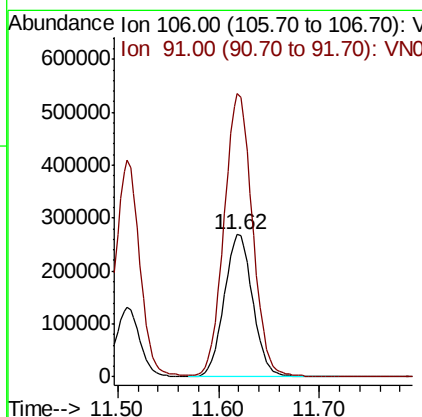
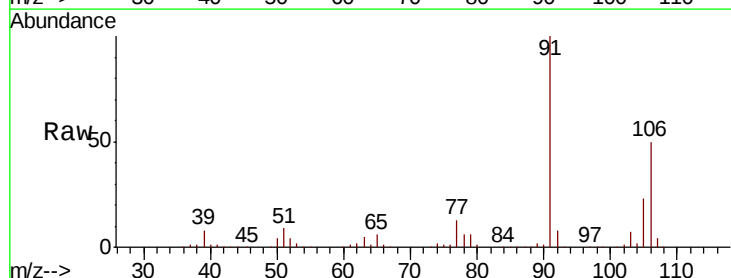
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

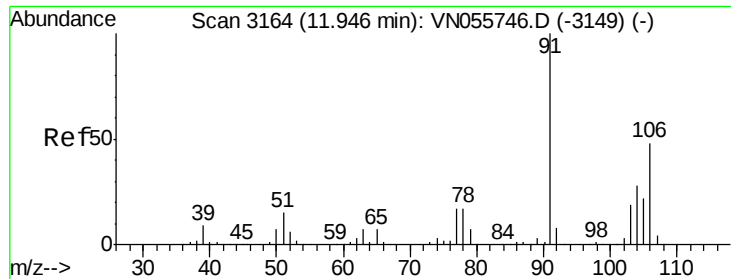
Tot Ion: 91 Resp: 689441
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 96.854 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 106 Resp: 531920
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9

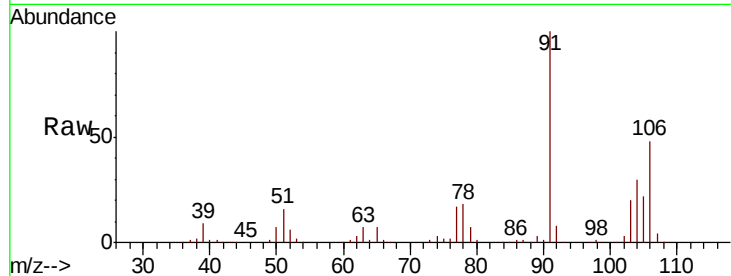




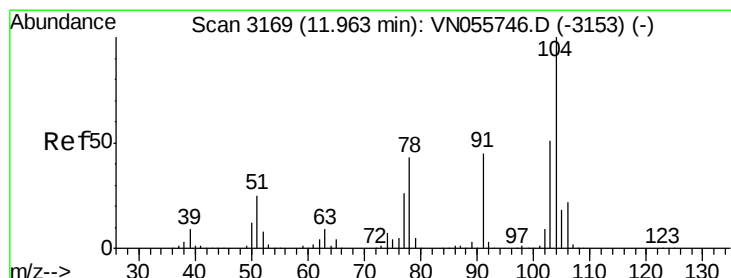
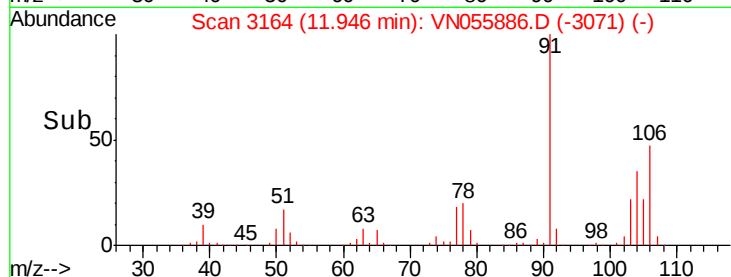
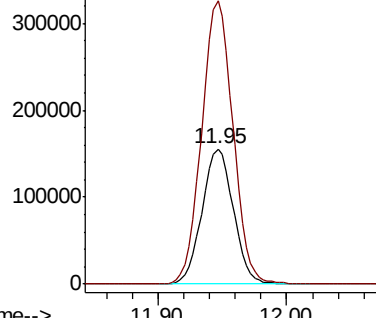
#69
o-Xylene
Concen: 48.275 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 263036
Ion Ratio Lower Upper
106 100
91 209.1 104.7 314.1

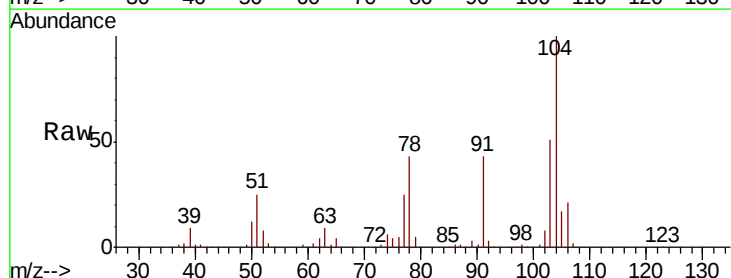


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

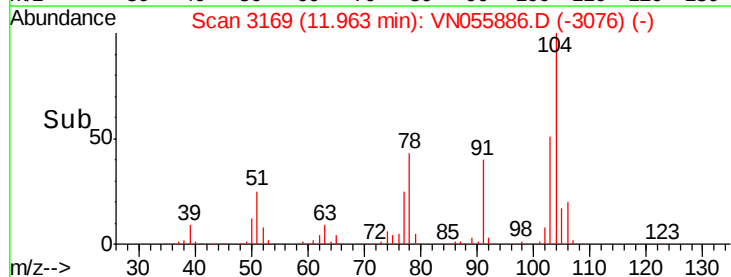
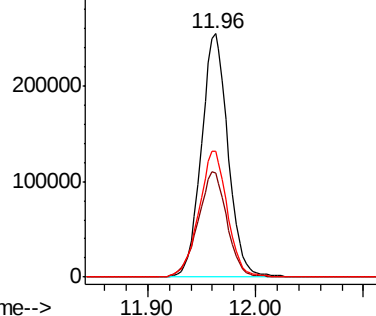


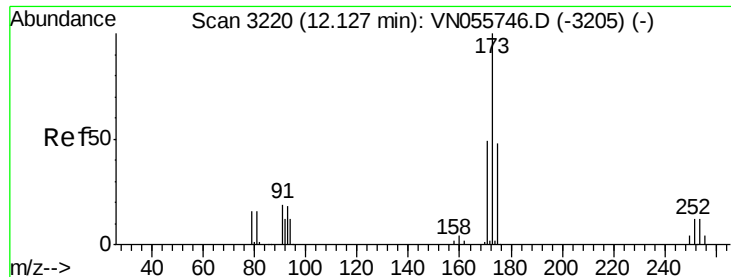
#70
Styrene
Concen: 49.736 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion:104 Resp: 438862
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.2 44.2 66.2



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

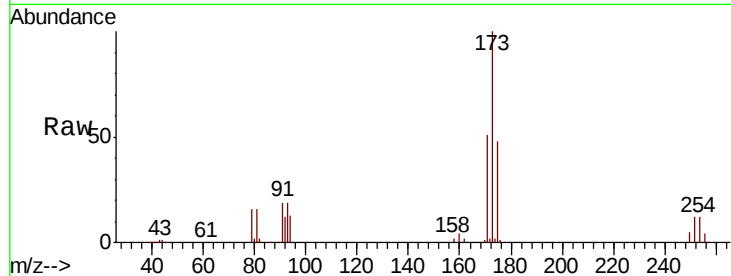




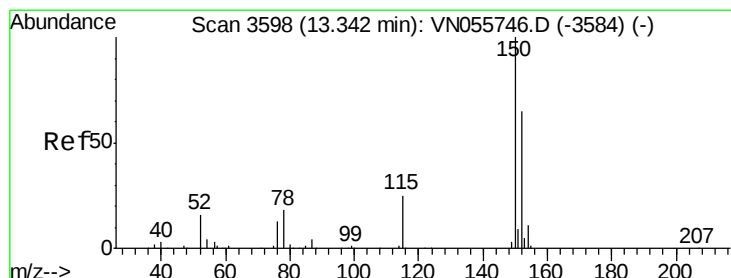
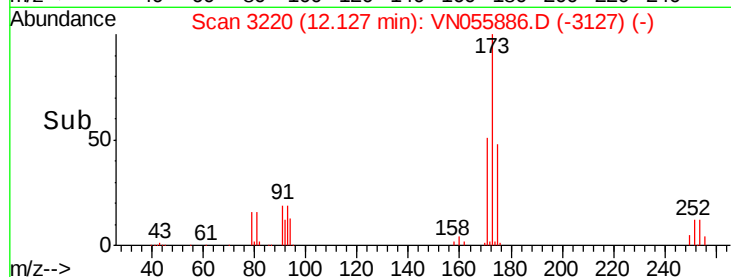
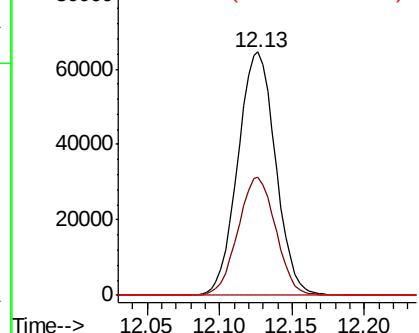
#71
Bromoform
Concen: 42.319 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 116625
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.0 0.0 0.0

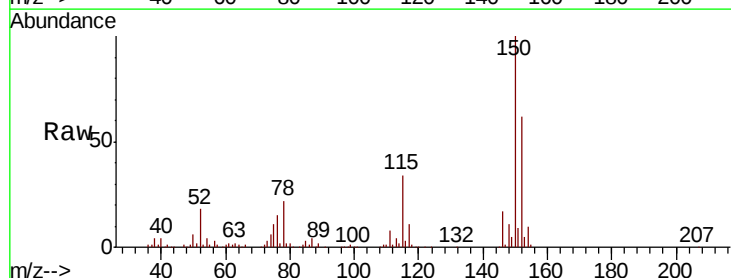


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

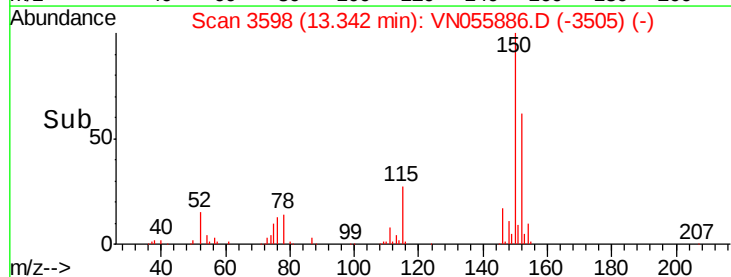
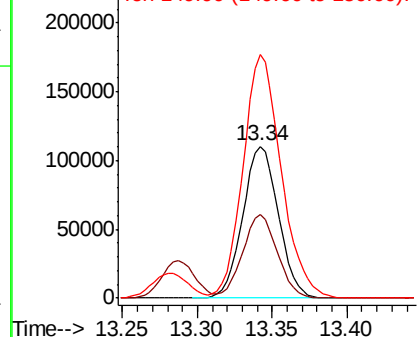


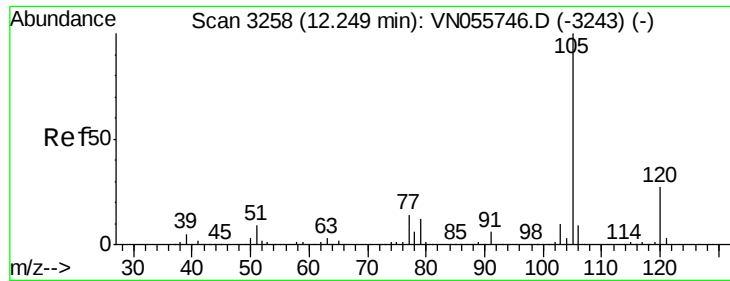
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion:152 Resp: 182064
Ion Ratio Lower Upper
152 100
115 53.8 27.0 81.0
150 172.6 0.0 343.2



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: 53.076 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

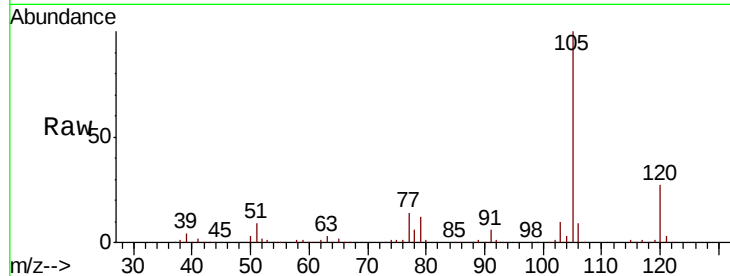
VSTDCCC050EC

Tot Ion:105 Resp: 685260

Ion Ratio Lower Upper

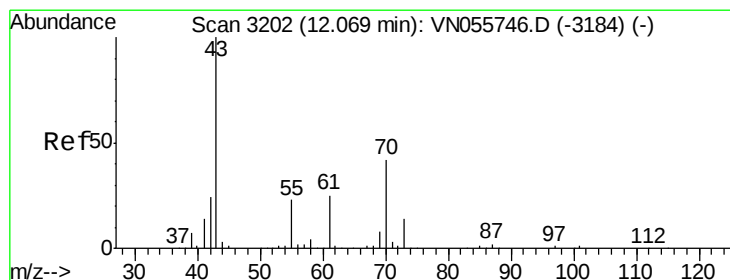
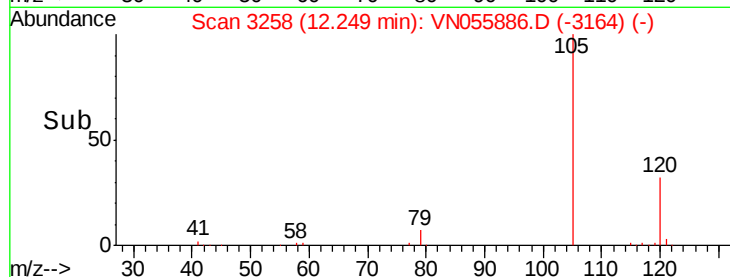
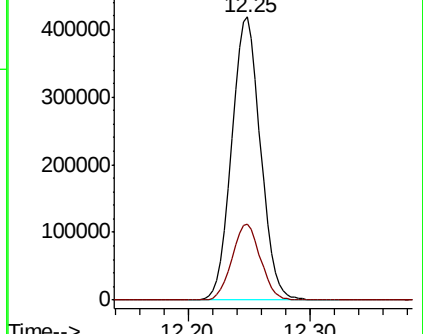
105 100

120 26.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.102 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Tgt Ion: 43 Resp: 261104

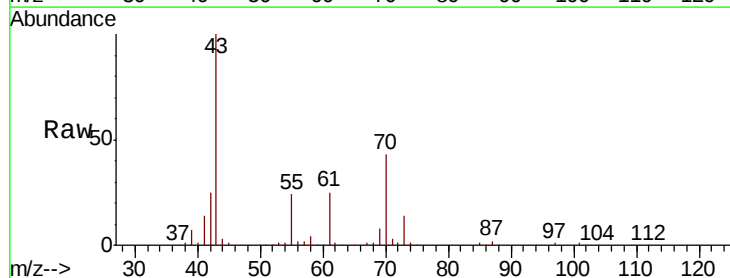
Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 24.8 18.6 28.0

61 25.0 20.0 30.0

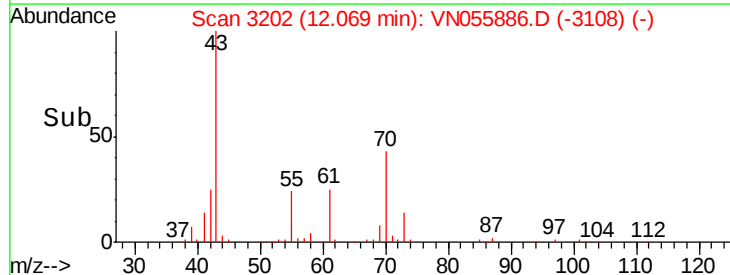
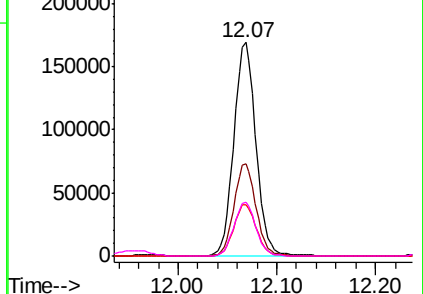


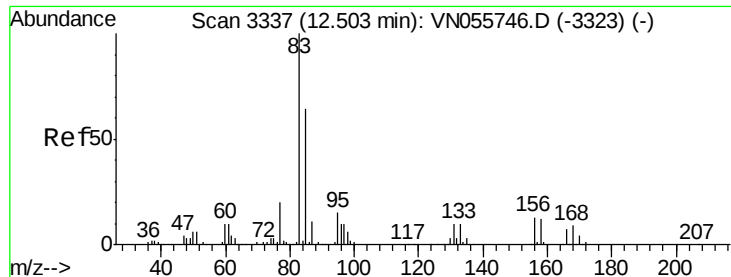
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.952 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

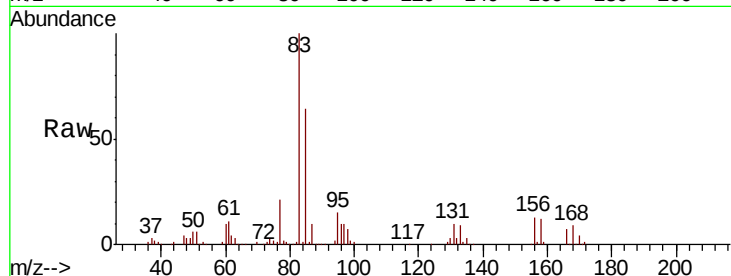
Tot Ion: 83 Resp: 209521

Ion Ratio Lower Upper

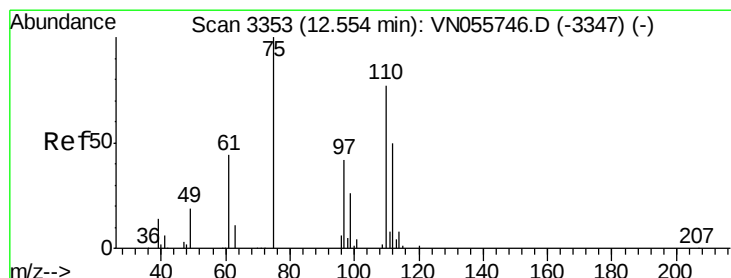
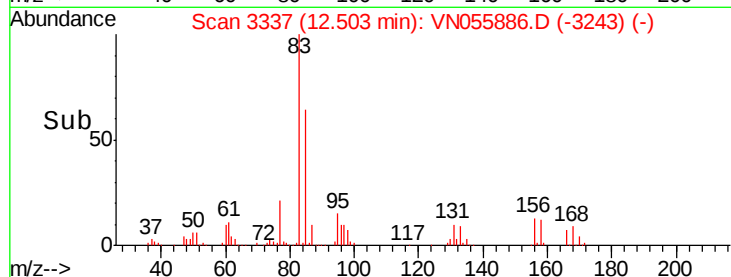
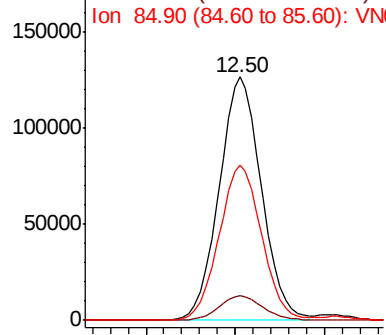
83 100

131 10.5 5.4 16.2

85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055886.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 82.916 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055886.D

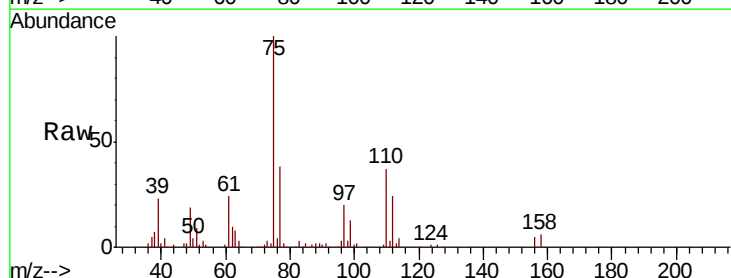
Acq: 29 May 2019 18:43

Tgt Ion: 75 Resp: 253439

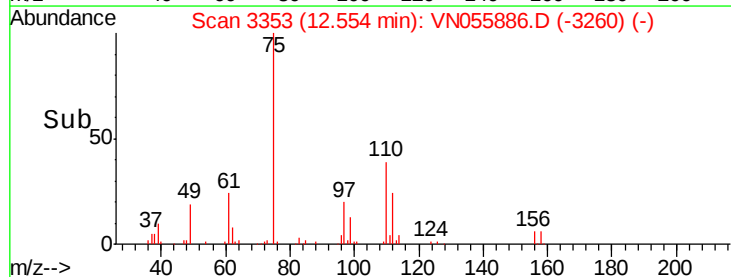
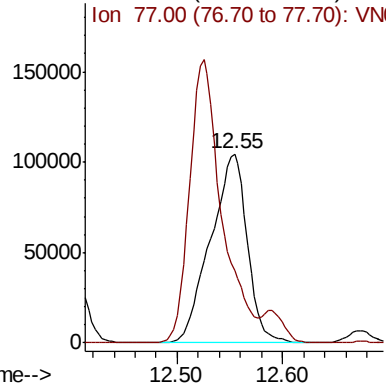
Ion Ratio Lower Upper

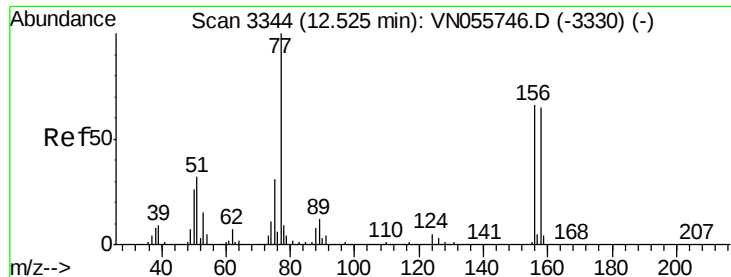
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055886.D (-3260) (-)





#77

Bromobenzene

Concen: 45.987 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

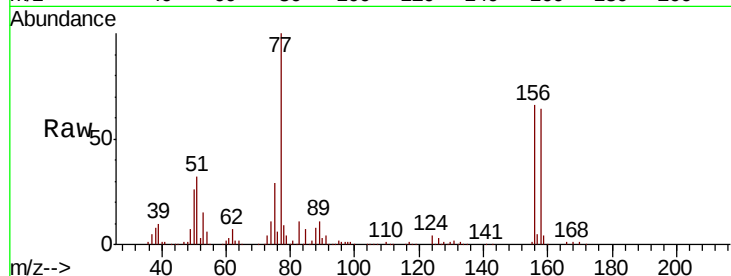
Tot Ion:156 Resp: 178663

Ion Ratio Lower Upper

156 100

77 186.1 90.8 272.5

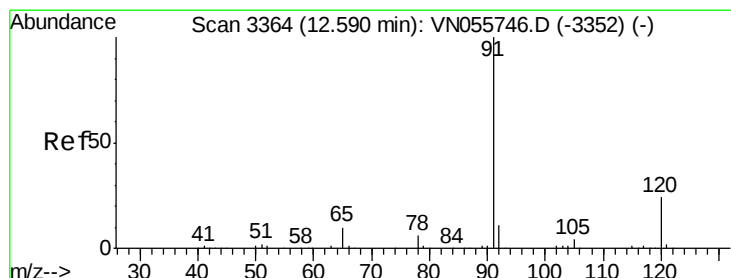
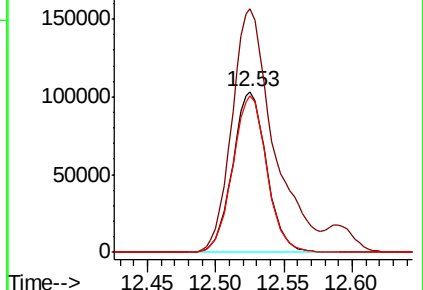
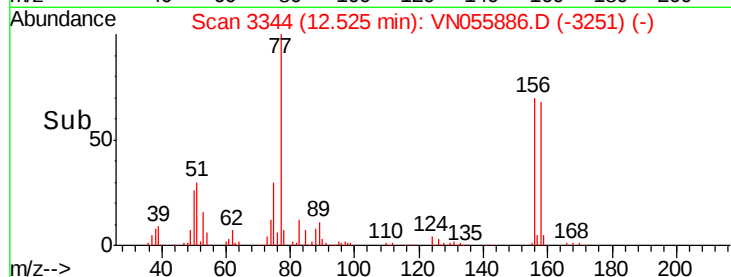
158 97.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.078 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055886.D

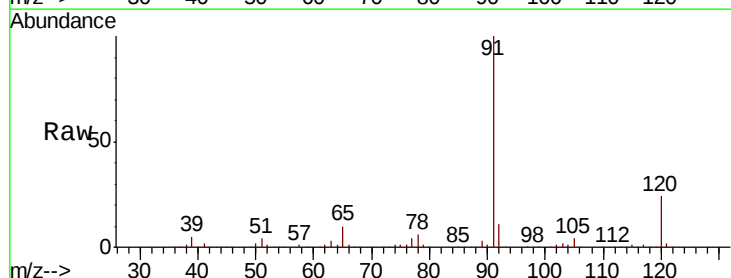
Acq: 29 May 2019 18:43

Tgt Ion: 91 Resp: 744963

Ion Ratio Lower Upper

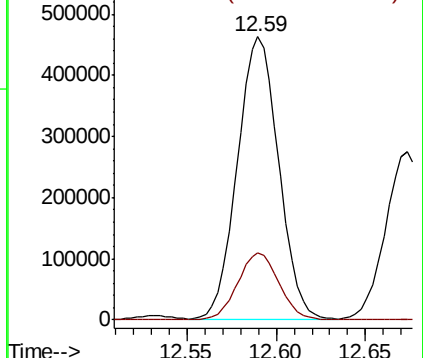
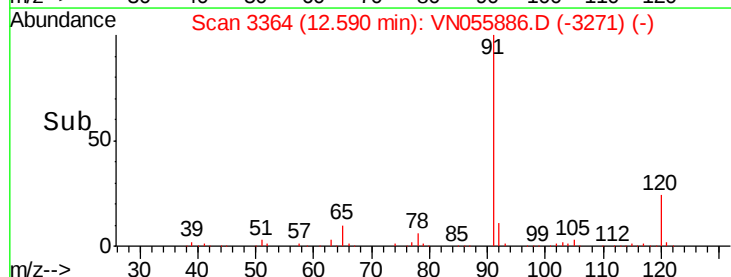
91 100

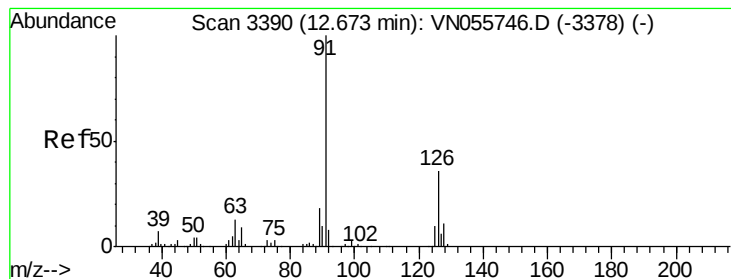
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.276 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

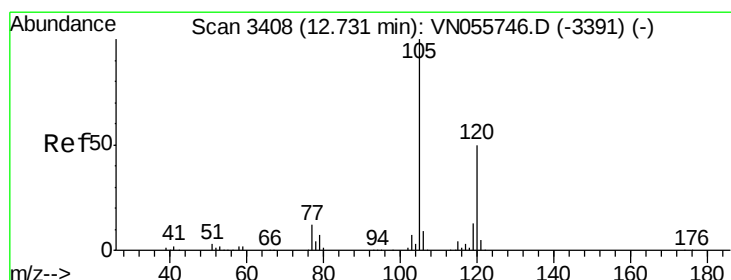
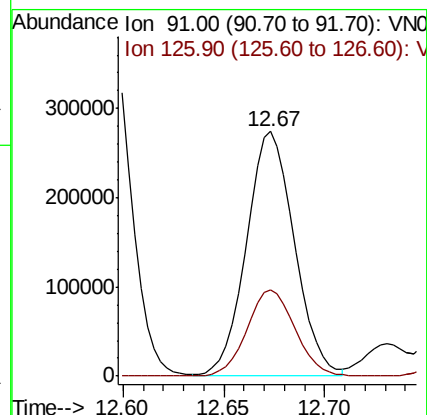
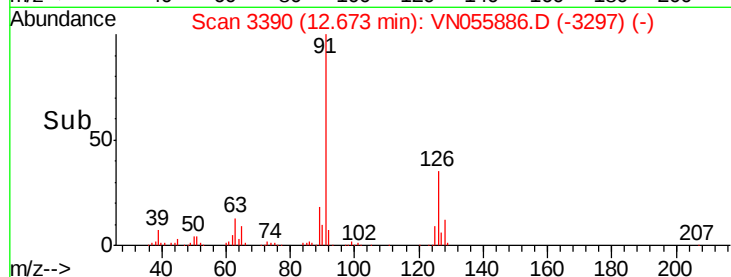
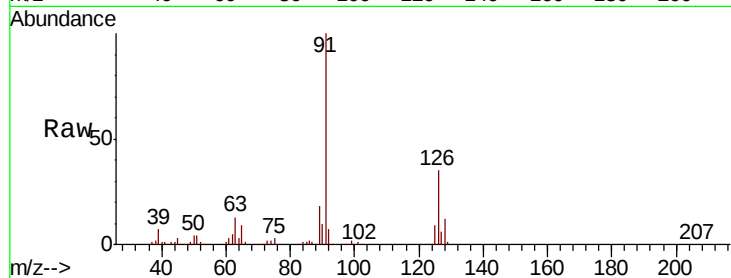
VSTDCCC050EC

Tot Ion: 91 Resp: 452669

Ion Ratio Lower Upper

91 100

126 35.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 52.361 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055886.D

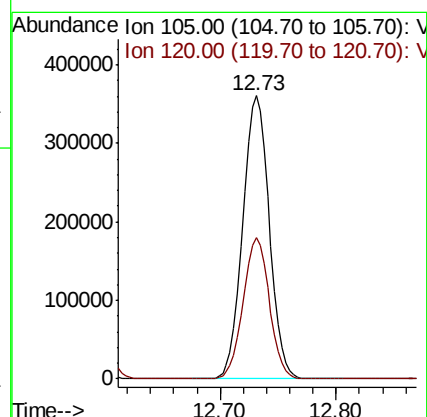
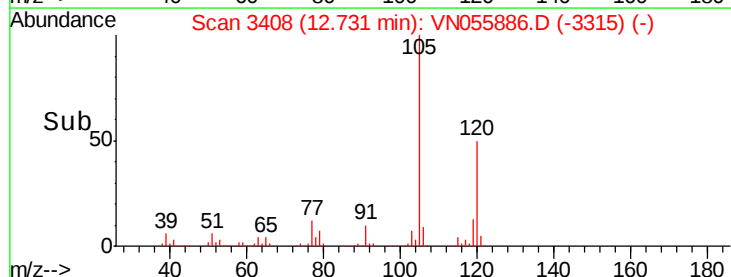
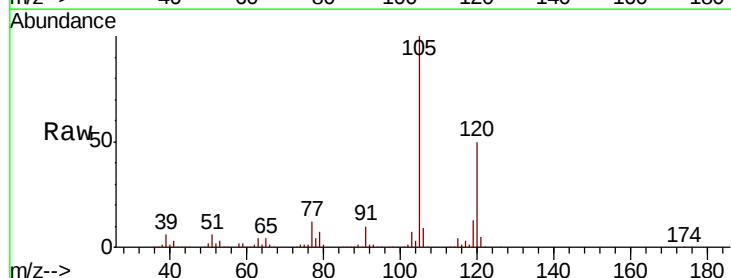
Acq: 29 May 2019 18:43

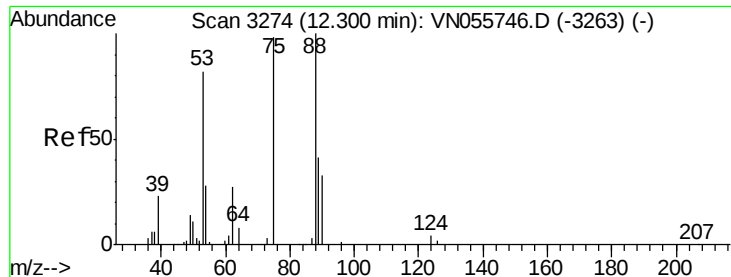
Tgt Ion: 105 Resp: 569483

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 43.578 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

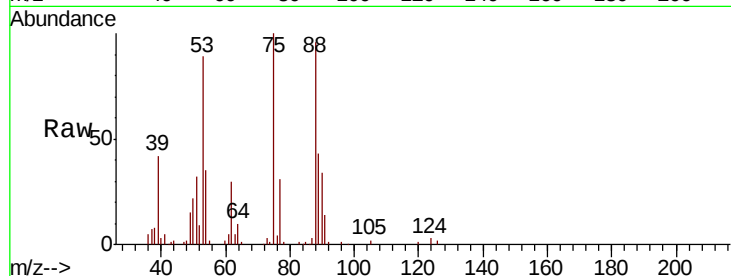
Tot Ion: 75 Resp: 58967

Ion Ratio Lower Upper

75 100

53 92.0 68.1 102.1

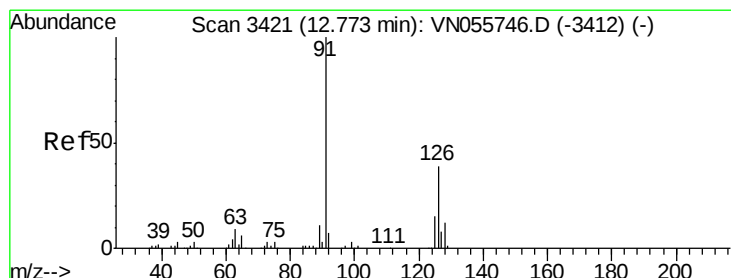
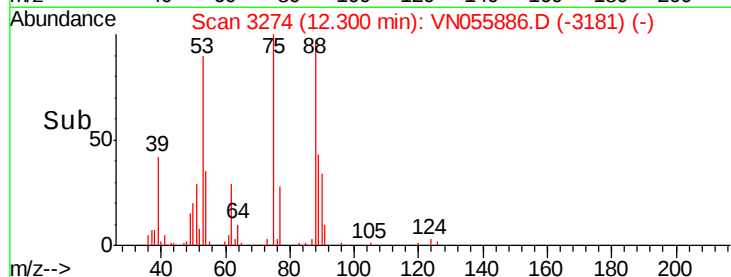
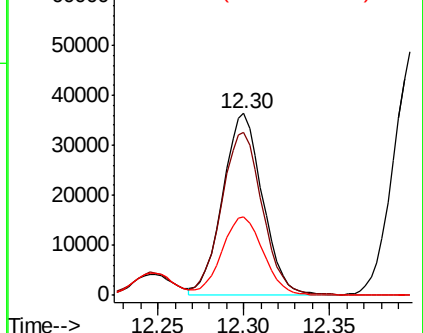
89 44.6 36.9 55.3



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: 47.680 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055886.D

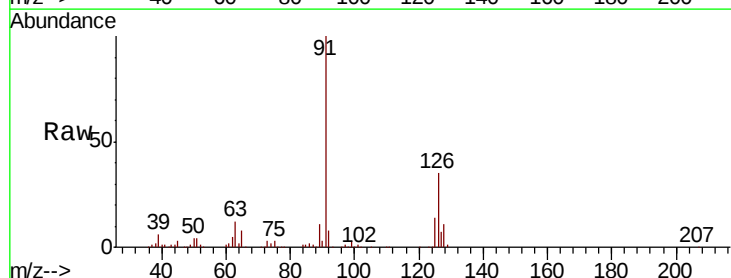
Acq: 29 May 2019 18:43

Tgt Ion: 91 Resp: 443497

Ion Ratio Lower Upper

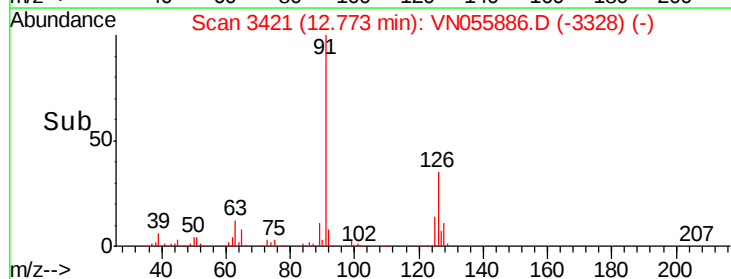
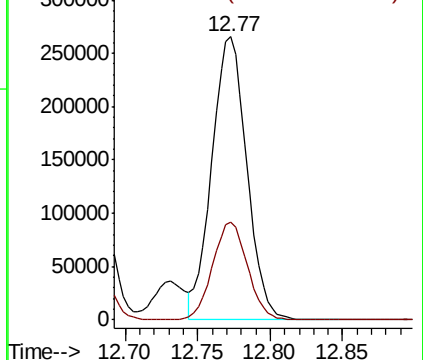
91 100

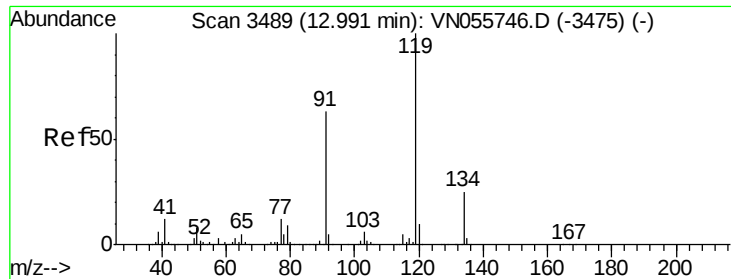
126 34.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

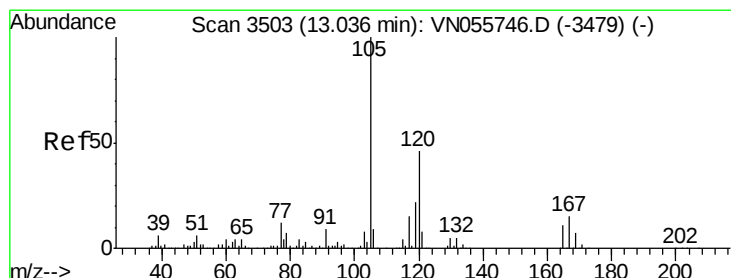
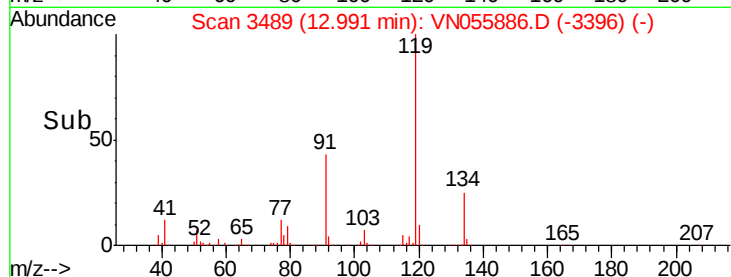
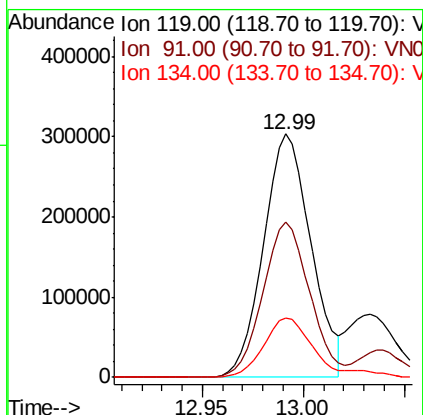
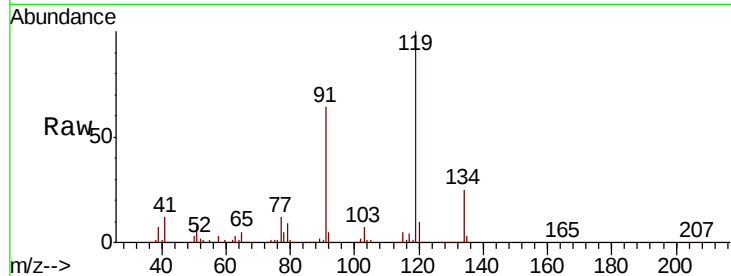




#83
 tert-Butylbenzene
 Concen: 53.055 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

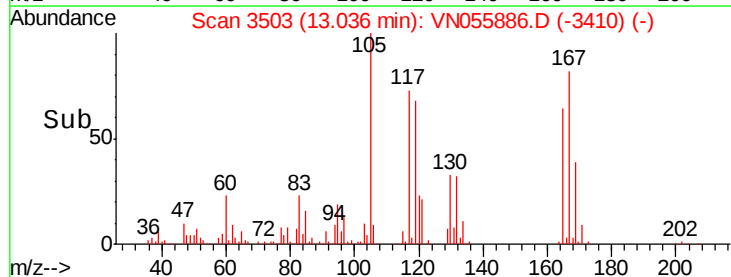
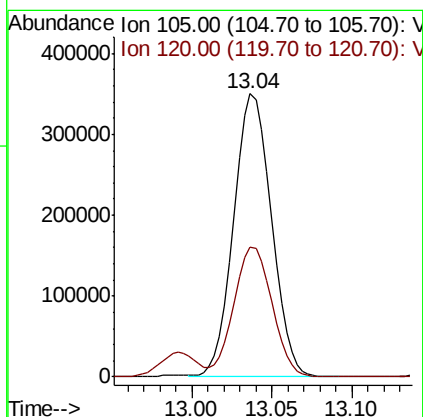
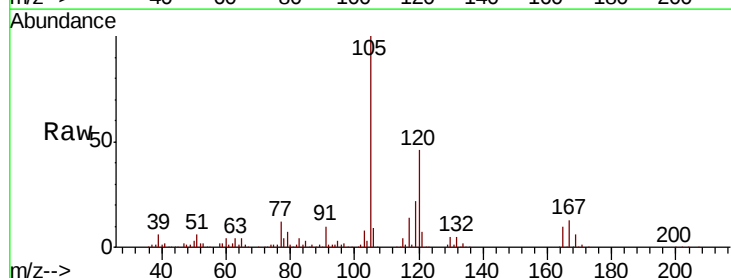
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

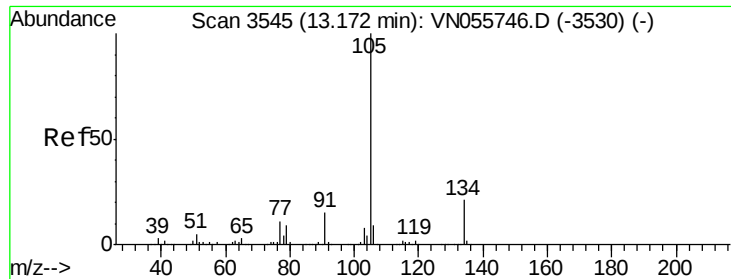
Tot Ion:119 Resp: 498194
 Ion Ratio Lower Upper
 119 100
 91 62.6 30.9 92.8
 134 26.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.844 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion:105 Resp: 563293
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.929 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

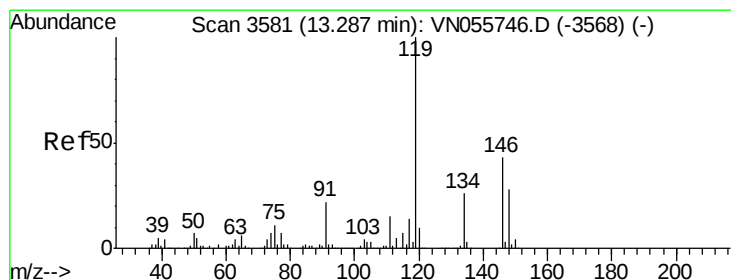
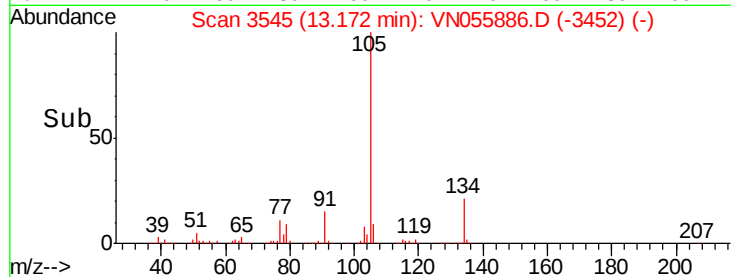
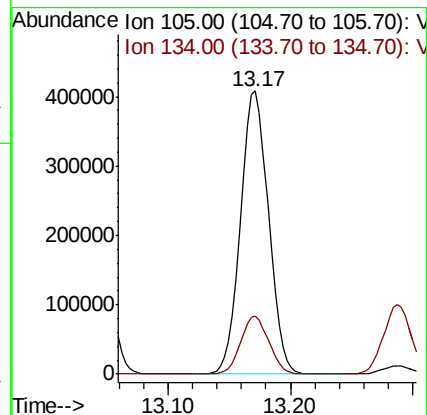
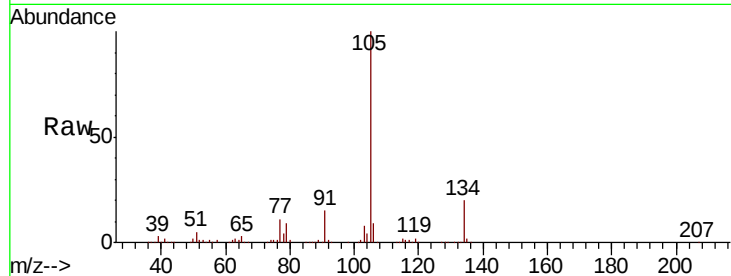
VSTDCCC050EC

Tot Ion:105 Resp: 647006

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



#86

p-Isopropyltoluene

Concen: 46.958 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

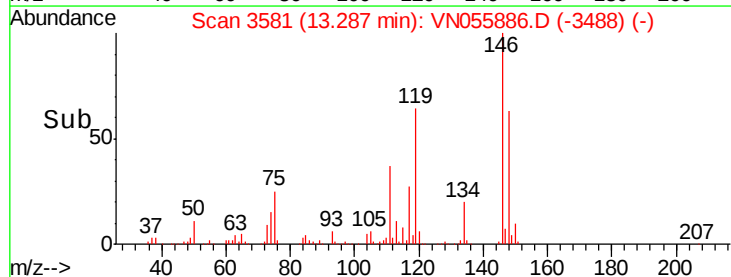
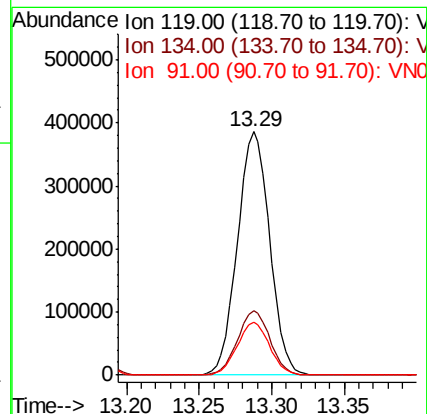
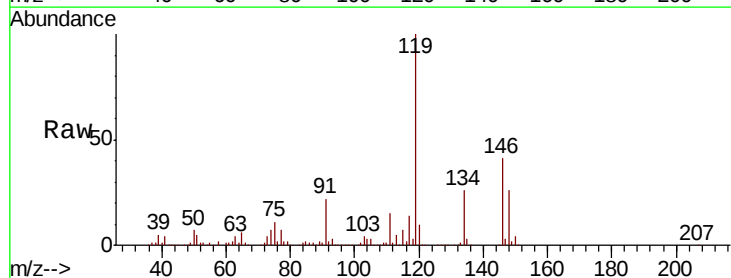
Tgt Ion:119 Resp: 593724

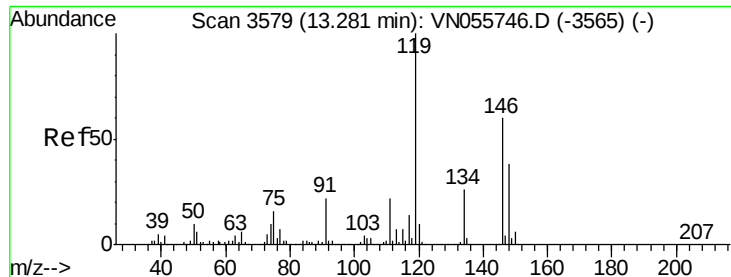
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.8 10.9 32.9

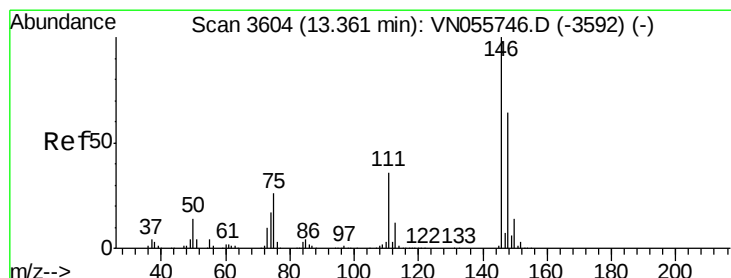
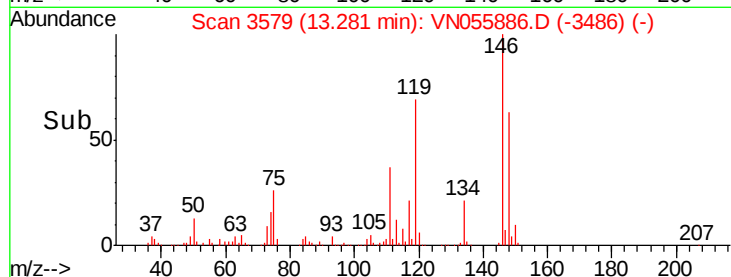
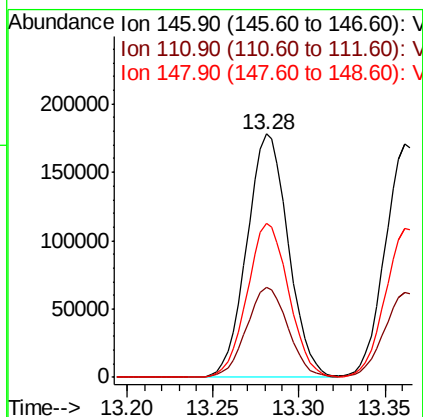
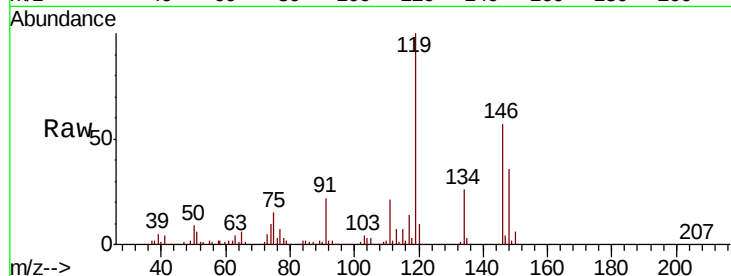




#87
 1,3-Dichlorobenzene
 Concen: 48.438 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

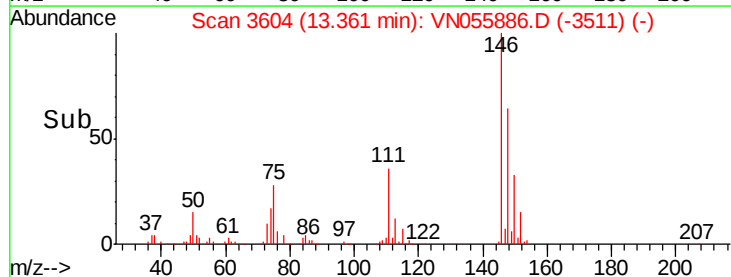
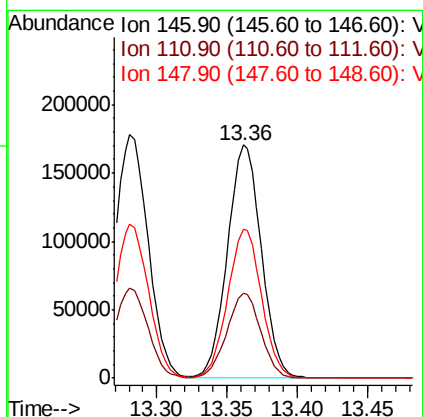
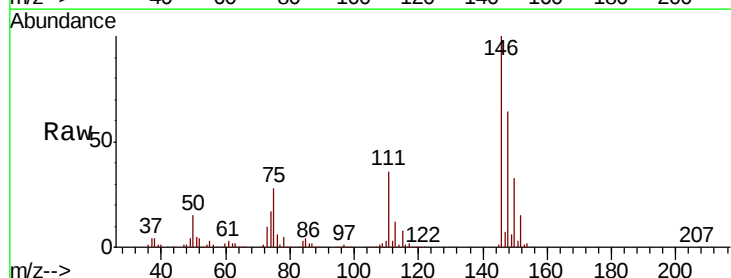
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

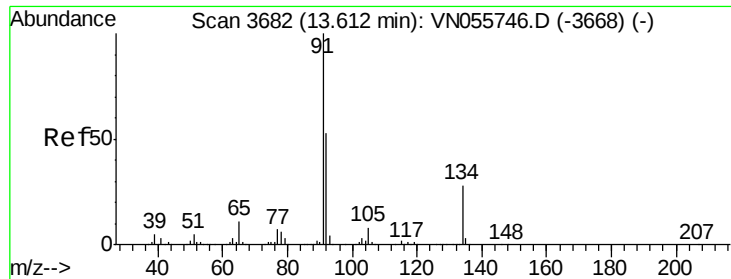
Tot Ion:146 Resp: 297980
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.5 55.5
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.960 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion:146 Resp: 286353
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.4
 148 63.8 32.1 96.5

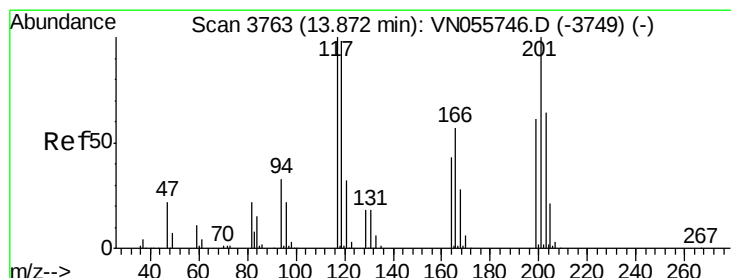
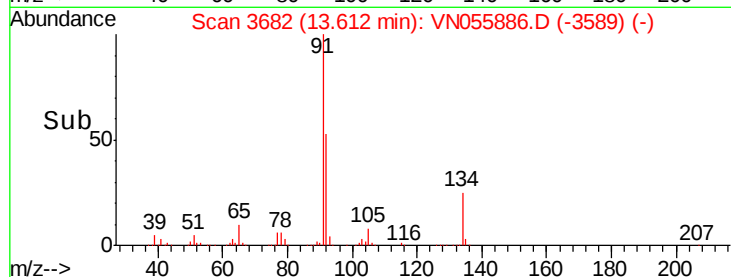
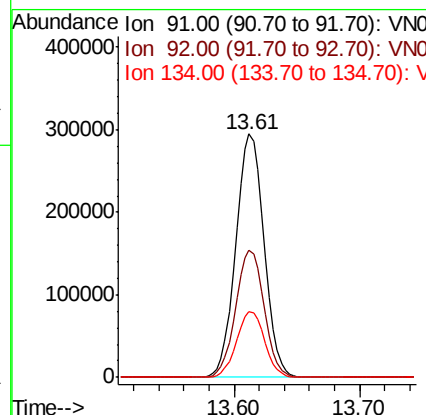
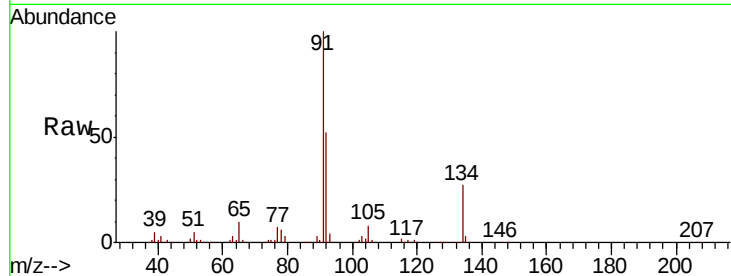




#89
n-Butylbenzene
Concen: 47.564 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

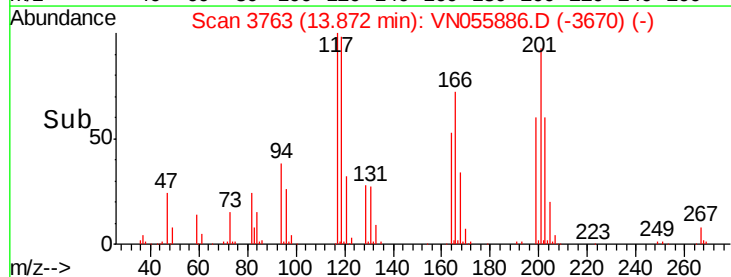
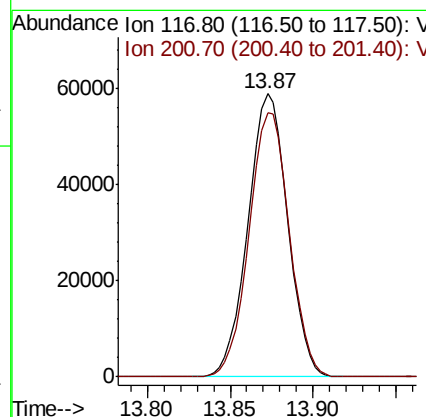
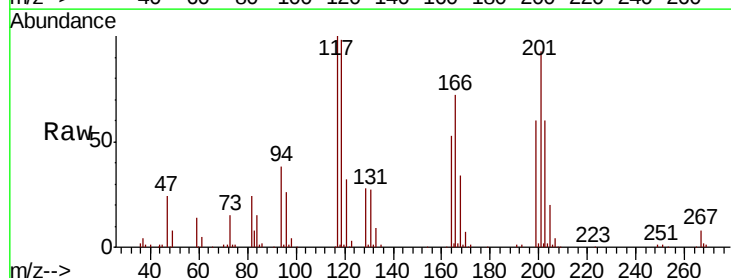
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 460785
Ion Ratio Lower Upper
91 100
92 52.6 26.4 79.0
134 27.0 13.9 41.7



#90
Hexachloroethane
Concen: 40.727 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055886.D
Acq: 29 May 2019 18:43

Tgt Ion: 117 Resp: 98013
Ion Ratio Lower Upper
117 100
201 94.5 50.0 150.0

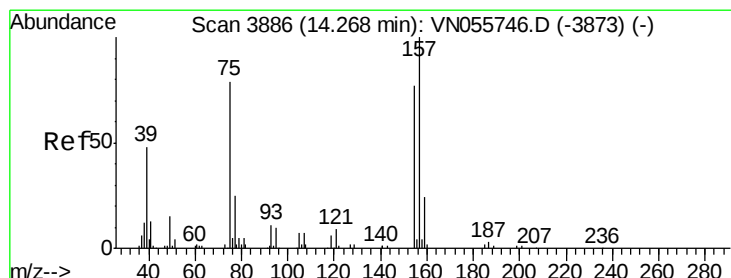
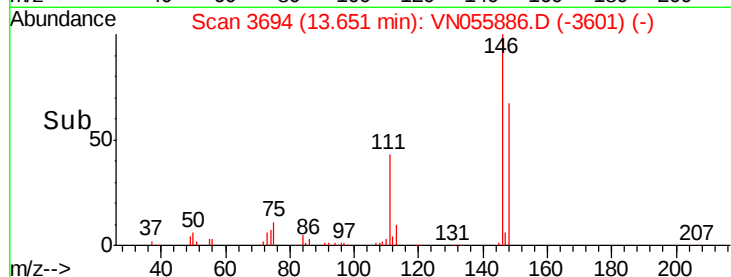
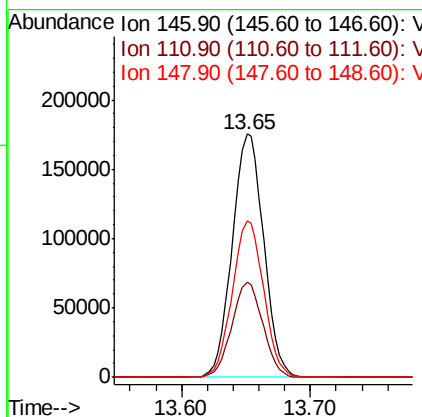
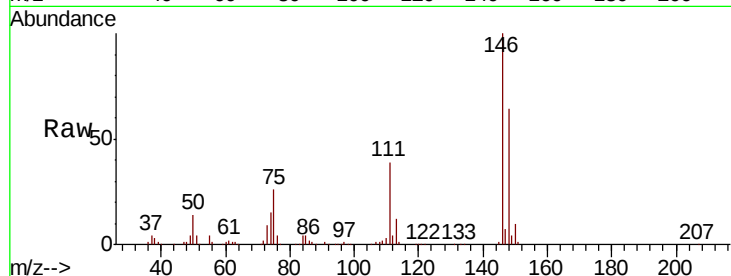




#91
 1,2-Dichlorobenzene
 Concen: 48.430 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

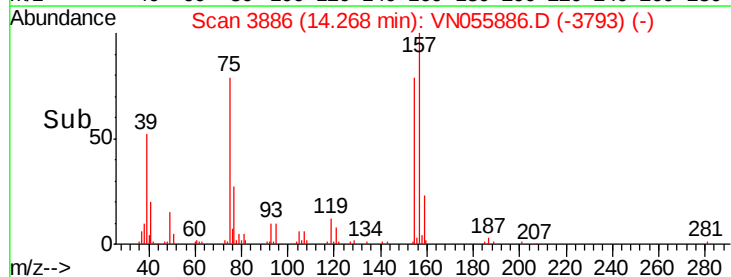
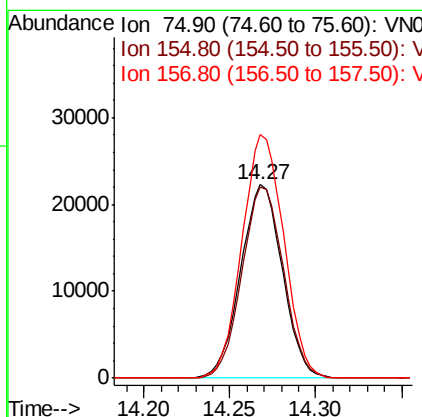
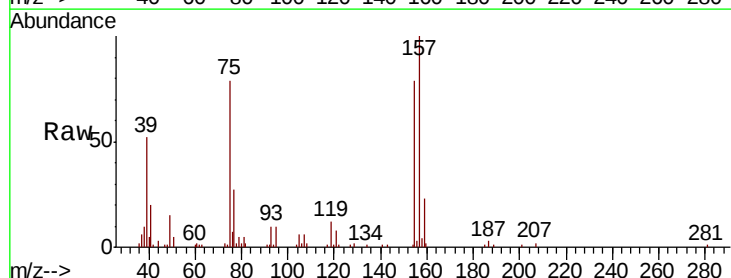
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

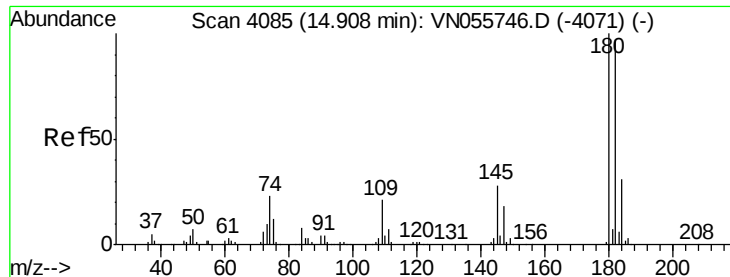
Tot Ion:146 Resp: 297243
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.5
 148 63.8 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.526 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055886.D
 Acq: 29 May 2019 18:43

Tgt Ion: 75 Resp: 37533
 Ion Ratio Lower Upper
 75 100
 155 98.6 50.0 150.1
 157 126.1 64.8 194.3





#93

1,2,4-Trichlorobenzene

Concen: 44.041 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

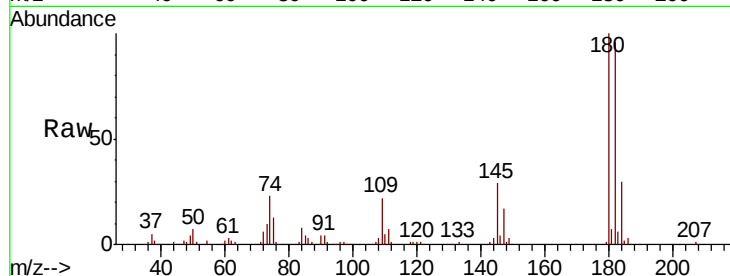
Tot Ion:180 Resp: 153870

Ion Ratio Lower Upper

180 100

182 95.6 48.3 144.9

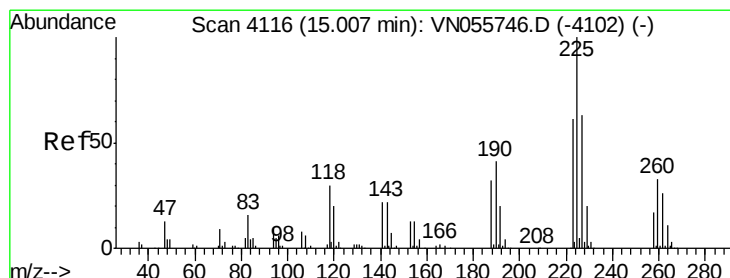
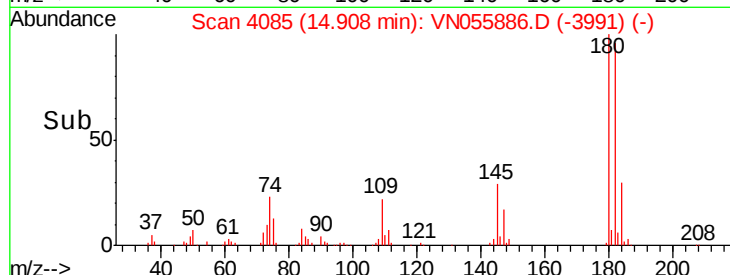
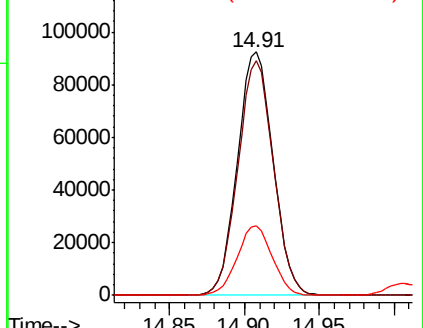
145 28.2 14.0 41.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 48.747 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

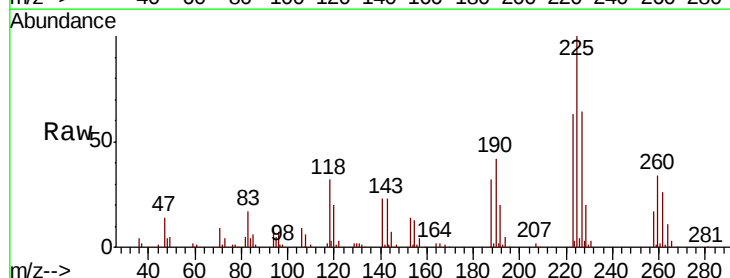
Tgt Ion:225 Resp: 105391

Ion Ratio Lower Upper

225 100

223 62.6 30.9 92.7

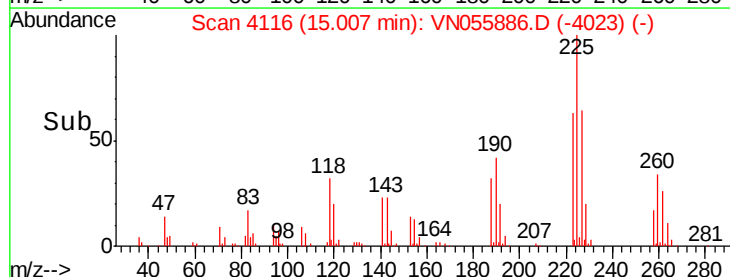
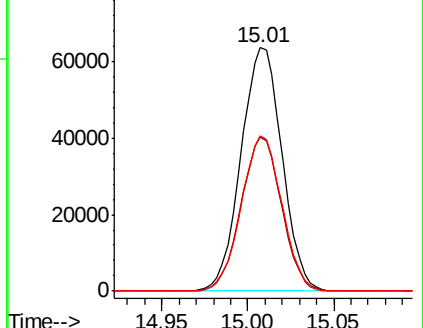
227 62.8 31.6 94.7

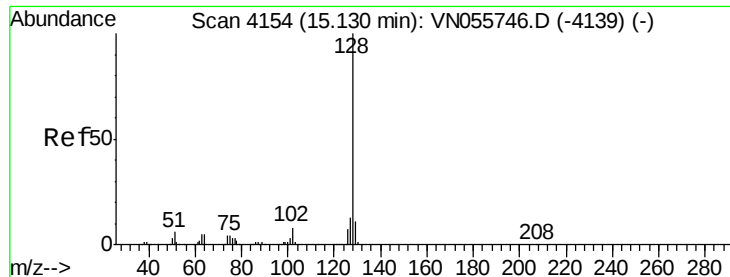


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.950 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

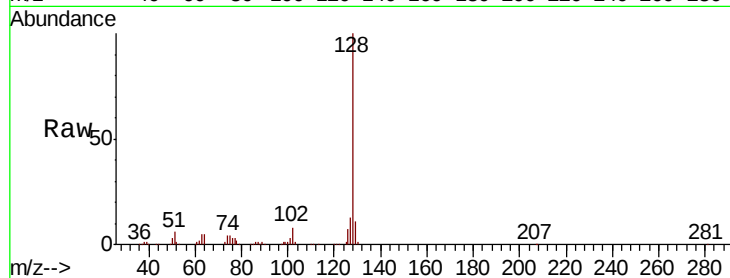
Tot Ion:128 Resp: 437530

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

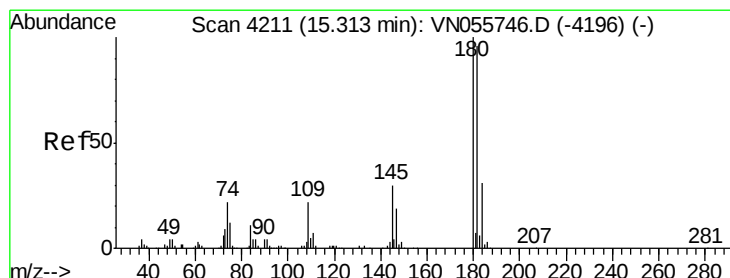
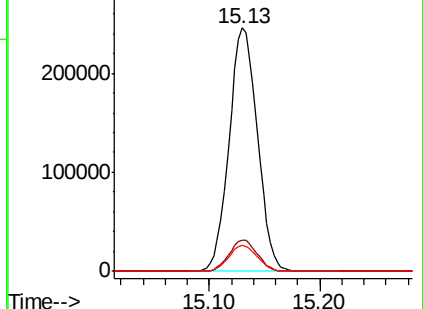
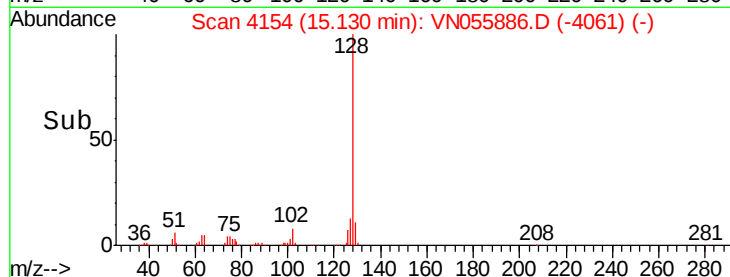
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.266 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055886.D

Acq: 29 May 2019 18:43

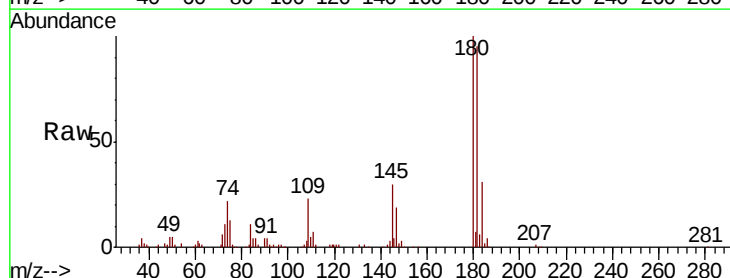
Tgt Ion:180 Resp: 163082

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.1 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

