

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056245.D
 Acq On : 12 Jun 2019 13:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 13 04:31:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	280384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	382485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	351960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168340	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	130364	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	122152	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	10.09	98	440373	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	159043	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	135486	44.027	ug/l	96
3) Chloromethane	2.06	50	139073	45.757	ug/l	100
4) Vinyl Chloride	2.18	62	140304	46.020	ug/l	100
5) Bromomethane	2.52	94	87078	45.214	ug/l	100
6) Chloroethane	2.68	64	82741	46.808	ug/l	100
7) Trichlorofluoromethane	3.00	101	188138	48.338	ug/l	100
8) Diethyl Ether	3.40	74	73692	46.041	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	120390	50.920	ug/l	98
10) Methyl Iodide	3.93	142	174400	46.418	ug/l	100
11) Tert butyl alcohol	4.81	59	105101	216.939	ug/l	99
12) 1,1-Dichloroethene	3.72	96	113270	48.122	ug/l	95
13) Acrolein	3.60	56	30975	221.685	ug/l	96
14) Allyl chloride	4.31	41	181993	48.966	ug/l	99
15) Acrylonitrile	4.99	53	308131	261.273	ug/l	99
16) Acetone	3.82	43	314575	236.258	ug/l	99
17) Carbon Disulfide	4.03	76	258760	45.914	ug/l	99
18) Methyl Acetate	4.32	43	140177	53.638	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	363505	48.449	ug/l	100
20) Methylene Chloride	4.54	84	134147	48.902	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	119674	47.452	ug/l	96
22) Diisopropyl ether	5.95	45	381618	49.670	ug/l	99
23) Vinyl Acetate	5.89	43	1517562	250.819	ug/l	99
24) 1,1-Dichloroethane	5.84	63	219703	49.573	ug/l	99
25) 2-Butanone	6.84	43	425974	253.210	ug/l	99
26) 2,2-Dichloropropane	6.82	77	161236	46.623	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	143988	48.570	ug/l	97
28) Bromochloromethane	7.19	49	105915	50.536	ug/l	98
29) Tetrahydrofuran	7.21	42	259228	249.283	ug/l	99
30) Chloroform	7.37	83	227621	51.055	ug/l	100
31) Cyclohexane	7.65	56	193567	43.817	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	191153	51.344	ug/l	99
36) 1,1-Dichloropropene	7.79	75	164106	49.898	ug/l	99
37) Ethyl Acetate	6.93	43	156954	53.636	ug/l	99
38) Carbon Tetrachloride	7.77	117	167080	55.103	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	202496	49.426	ug/l	99
40) Benzene	8.04	78	514986	51.556	ug/l	99
41) Methacrylonitrile	7.17	41	74704	55.486	ug/l	94
42) 1,2-Dichloroethane	8.12	62	166656	51.868	ug/l	99
43) Isopropyl Acetate	8.17	43	245453	51.762	ug/l #	91
44) Trichloroethene	8.83	130	149966	52.247	ug/l	98
45) 1,2-Dichloropropane	9.12	63	135426	52.930	ug/l	100
46) Dibromomethane	9.20	93	89769	53.653	ug/l	97
47) Bromodichloromethane	9.40	83	177746	58.616	ug/l	98
48) Methyl methacrylate	9.20	41	124708	53.756	ug/l	98
49) 1,4-Dioxane	9.20	88	55316	1104.474	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	804831	271.410	ug/l	100
52) Toluene	10.15	92	325752	52.408	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	172679	48.639	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	201723	55.343	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135266	54.938	ug/l	99
56) Ethyl methacrylate	10.43	69	194544	54.160	ug/l	99
57) 1,3-Dichloropropane	10.71	76	215145	53.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	322981	228.166	ug/l	99
59) 2-Hexanone	10.75	43	577618	268.756	ug/l	99
60) Dibromochloromethane	10.90	129	151795	55.610	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138650	55.084	ug/l	100
64) Tetrachloroethene	10.63	164	150982	49.557	ug/l	97
65) Chlorobenzene	11.43	112	360705	51.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136618	56.485	ug/l	99
67) Ethyl Benzene	11.51	91	619461	50.859	ug/l	99
68) m/p-Xylenes	11.62	106	484535	104.136	ug/l	98
69) o-Xylene	11.95	106	237059	51.795	ug/l	98
70) Styrene	11.96	104	395934	54.446	ug/l	99
71) Bromoform	12.13	173	114492	56.034	ug/l #	99
73) Isopropylbenzene	12.25	105	620368	51.787	ug/l	99
74) N-amyl acetate	12.07	43	209739	46.740	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	187867	48.074	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	215114	69.447	ug/l #	100
77) Bromobenzene	12.53	156	173205	48.057	ug/l	95
78) n-propylbenzene	12.59	91	671224	47.132	ug/l	99
79) 2-Chlorotoluene	12.67	91	409726	51.960	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522549	46.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47048	50.582	ug/l	92
82) 4-Chlorotoluene	12.77	91	401870	48.233	ug/l	100
83) tert-Butylbenzene	12.99	119	461831	52.738	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	512497	47.748	ug/l	99
85) sec-Butylbenzene	13.17	105	598114	47.424	ug/l	100
86) p-Isopropyltoluene	13.29	119	546450	48.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283136	50.758	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	269754	50.272	ug/l	100
89) n-Butylbenzene	13.61	91	405865	48.539	ug/l	100
90) Hexachloroethane	13.87	117	91937	54.009	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	277924	49.349	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31233	55.878	ug/l	96

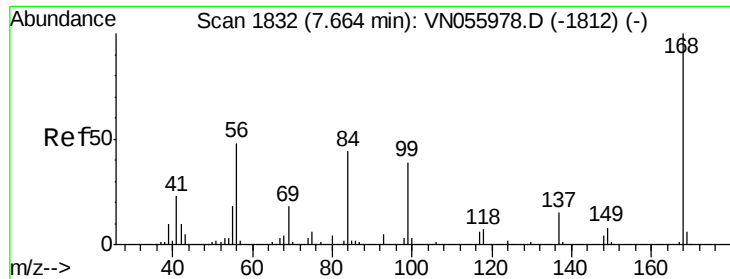
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130857	42.834	ug/l	100
94) Hexachlorobutadiene	15.01	225	111998	58.330	ug/l	98
95) Naphthalene	15.13	128	317413	40.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	142499	45.355	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

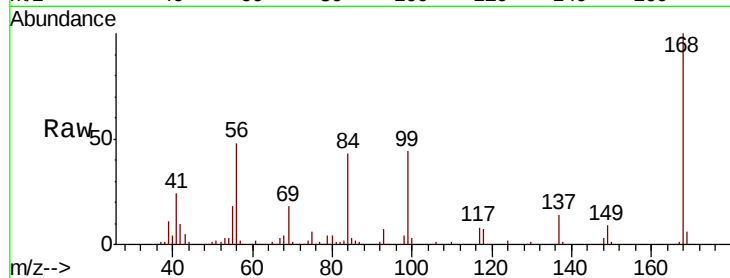
VSTDCCC050

Tot Ion:168 Resp: 280384

Ion Ratio Lower Upper

168 100

99 43.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

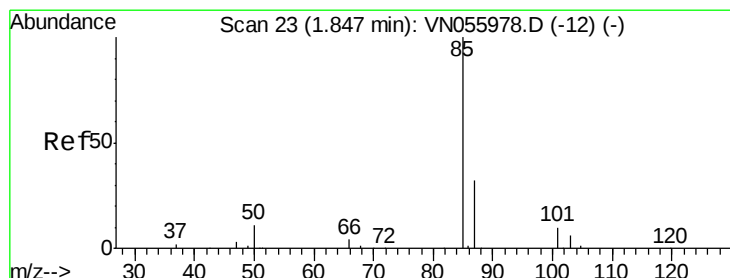
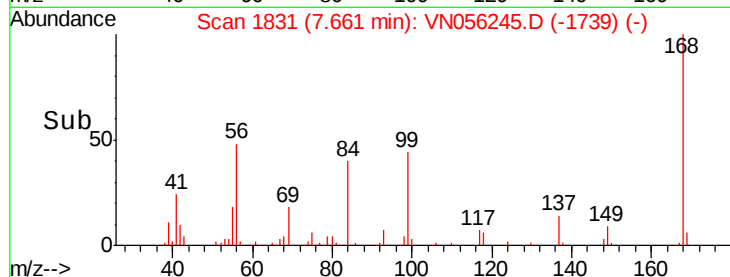
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.027 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056245.D

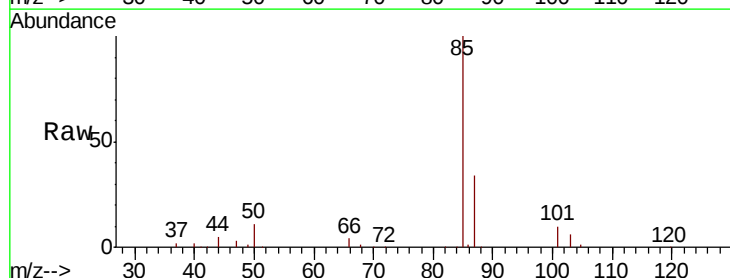
Acq: 12 Jun 2019 13:36

Tgt Ion: 85 Resp: 135486

Ion Ratio Lower Upper

85 100

87 34.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

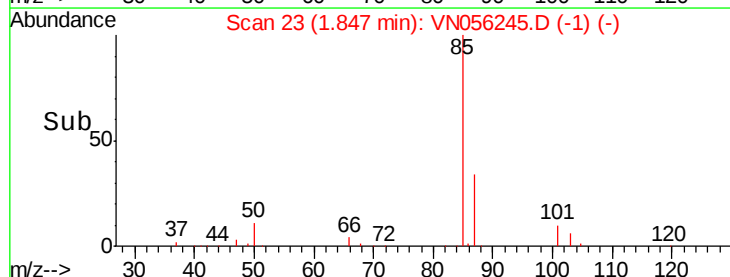
60000

40000

20000

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Time-->





#3

Chloromethane

Concen: 45.757 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

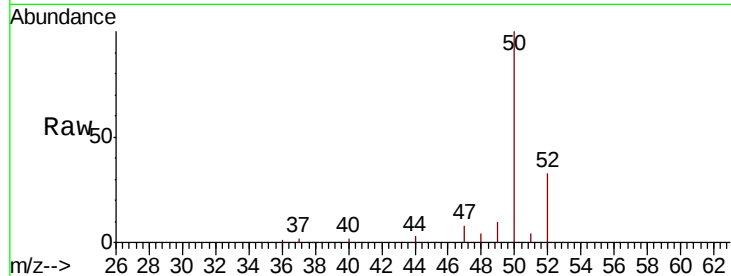
VSTDCCC050

Tot Ion: 50 Resp: 139073

Ion Ratio Lower Upper

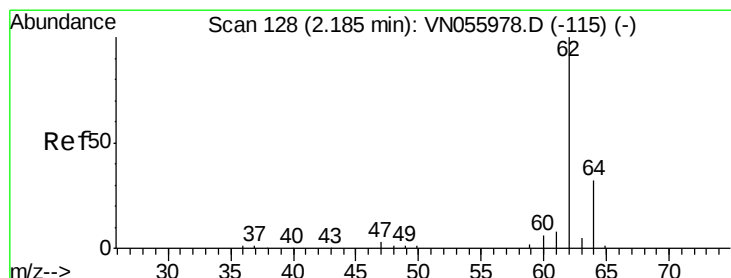
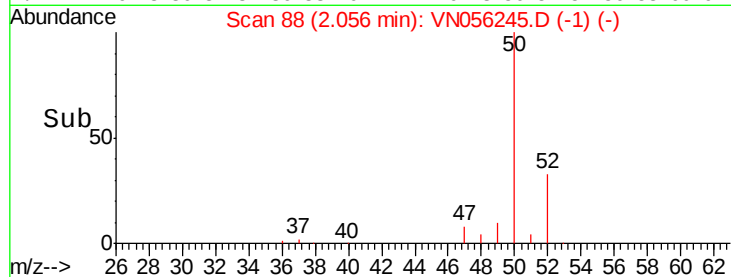
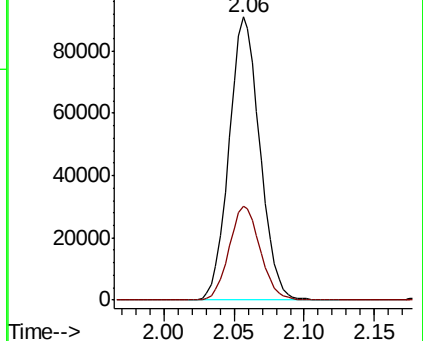
50 100

52 33.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.020 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056245.D

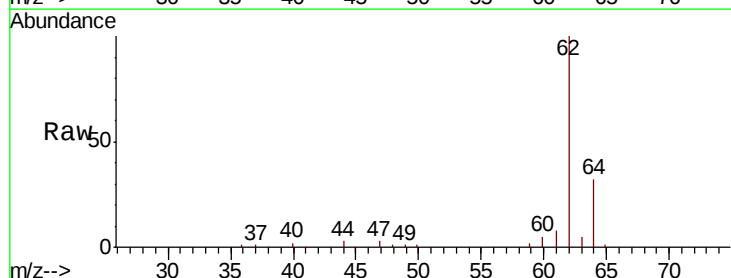
Acq: 12 Jun 2019 13:36

Tgt Ion: 62 Resp: 140304

Ion Ratio Lower Upper

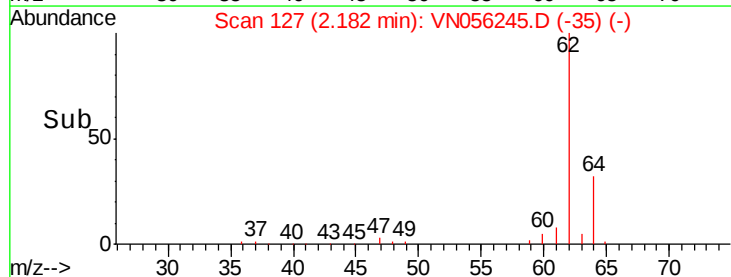
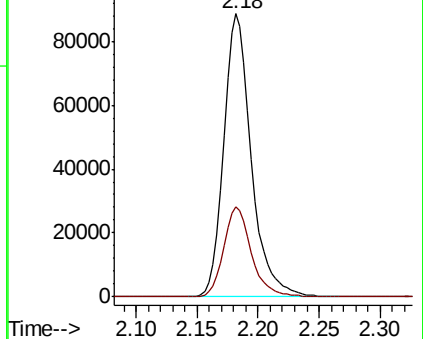
62 100

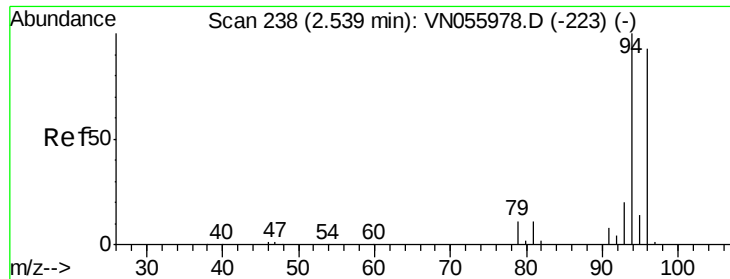
64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

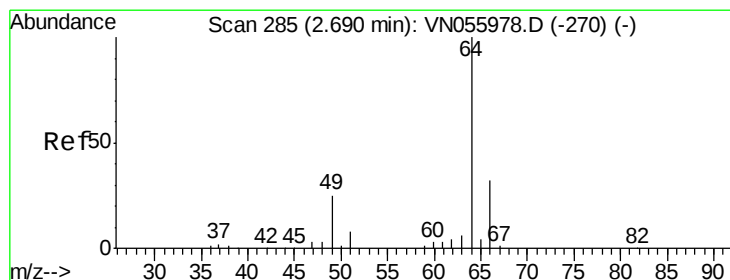
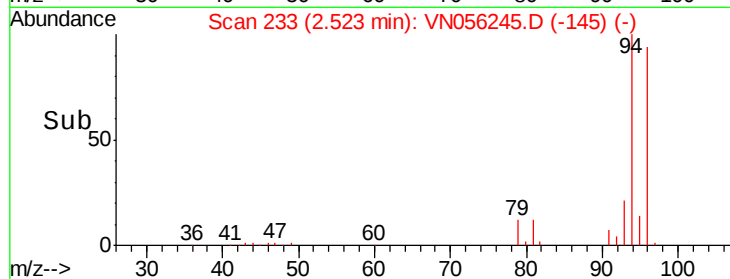
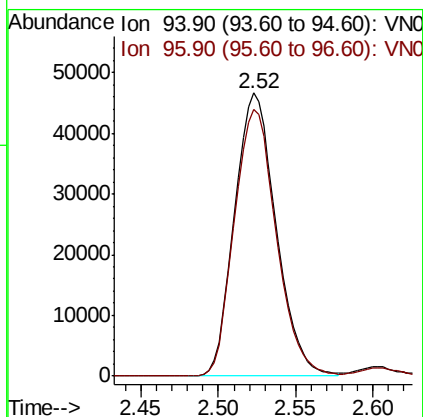
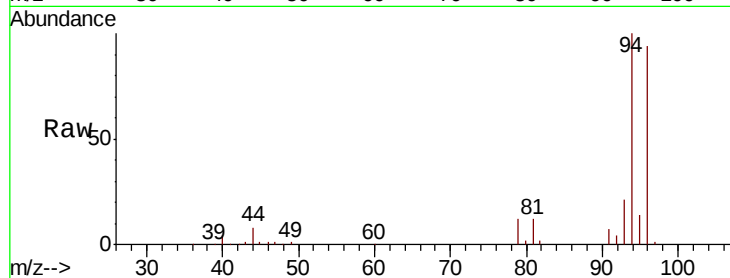




#5
Bromomethane
Concen: 45.214 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.02 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

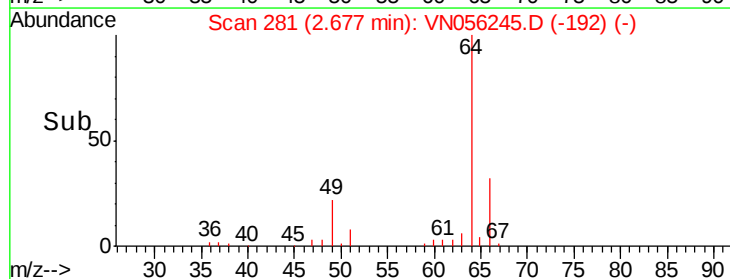
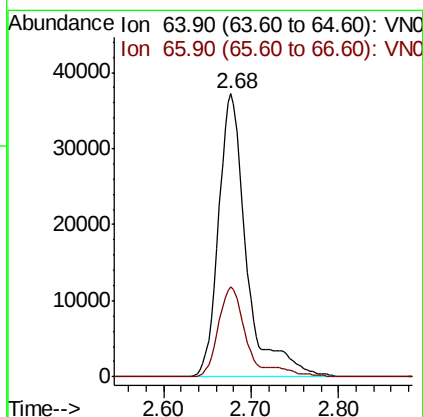
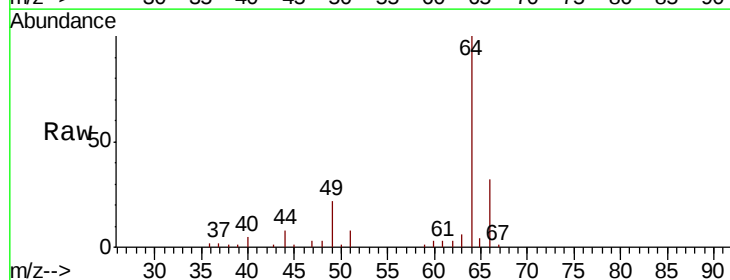
Instrument :
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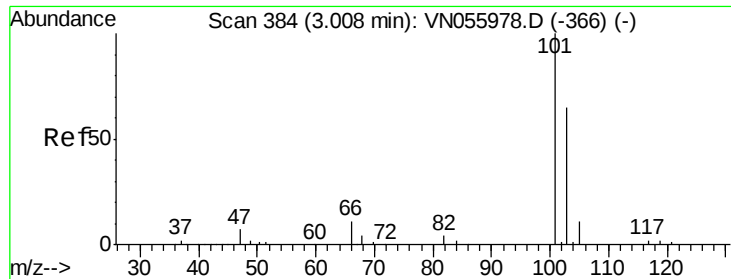
Tot Ion: 94 Resp: 87078
Ion Ratio Lower Upper
94 100
96 94.2 75.5 113.3



#6
Chloroethane
Concen: 46.808 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 64 Resp: 82741
Ion Ratio Lower Upper
64 100
66 31.8 25.4 38.0



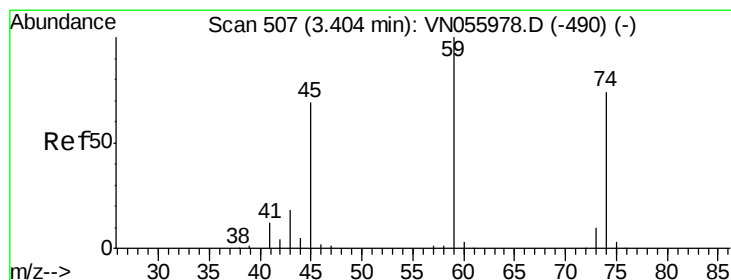
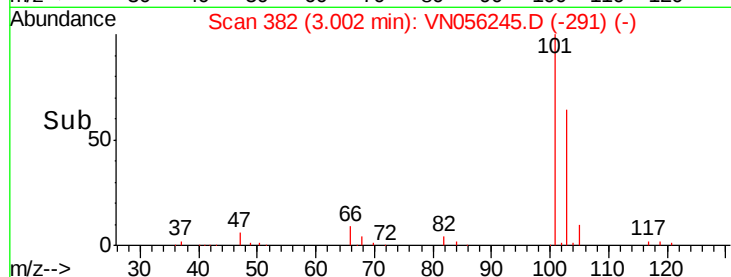
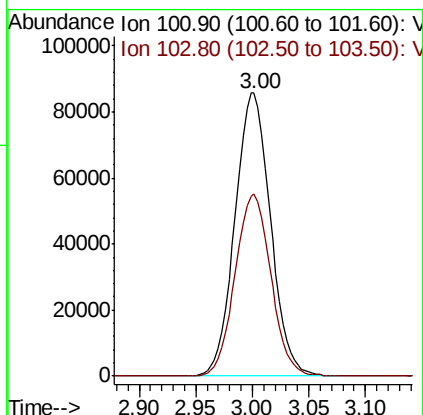
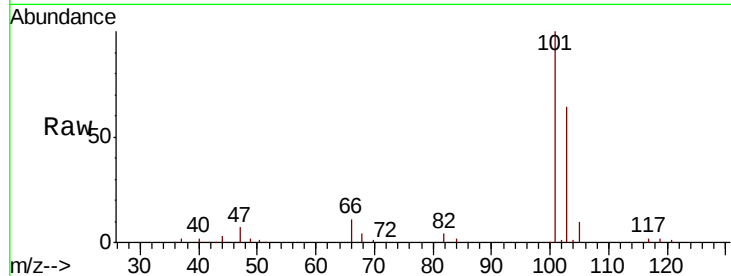


#7

Trichlorofluoromethane
Concen: 48.338 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
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ClientSampleId :
VSTDCCC050

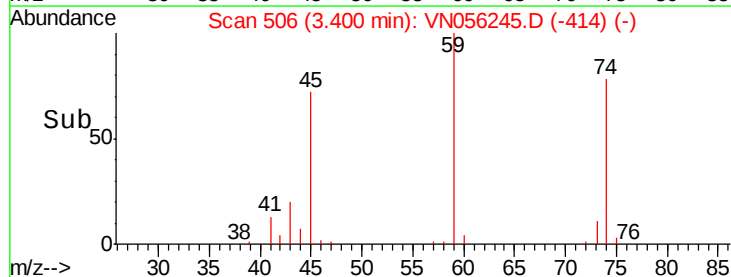
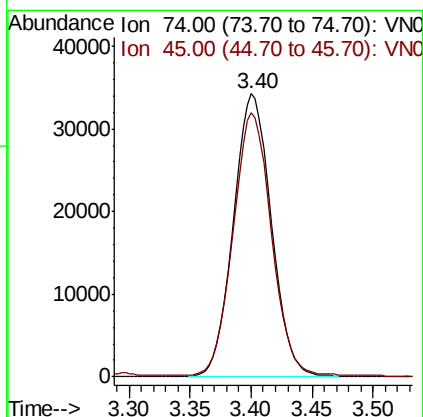
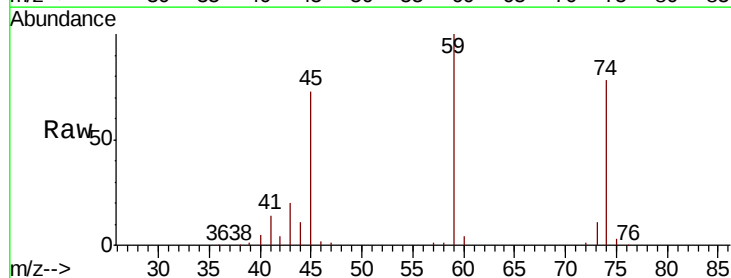
Tot Ion:101 Resp: 188138
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8



#8

Diethyl Ether
Concen: 46.041 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 74 Resp: 73692
Ion Ratio Lower Upper
74 100
45 93.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.920 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

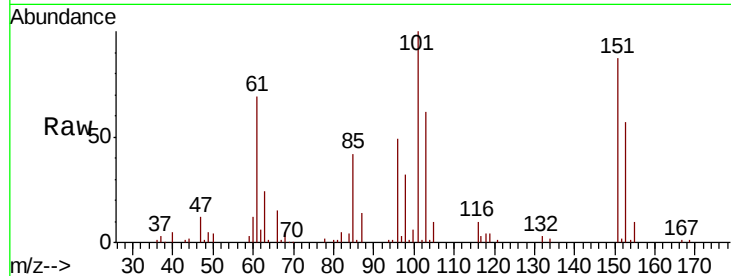
Tot Ion:101 Resp: 120390

Ion Ratio Lower Upper

101 100

85 41.6 33.4 50.2

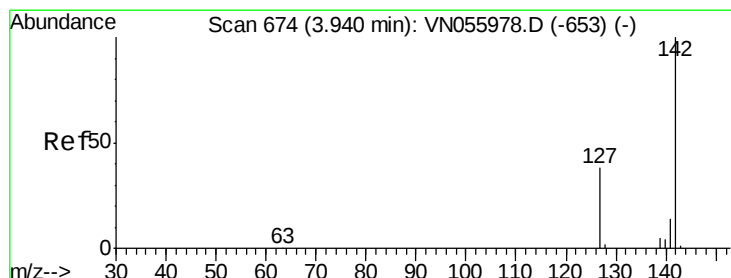
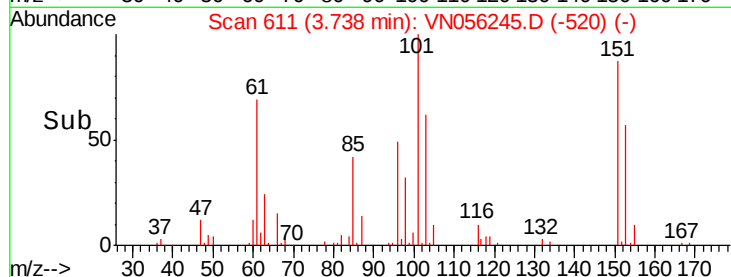
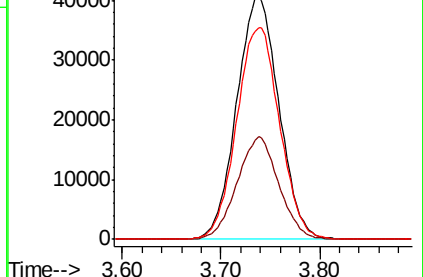
151 88.8 69.4 104.2



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: 46.418 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

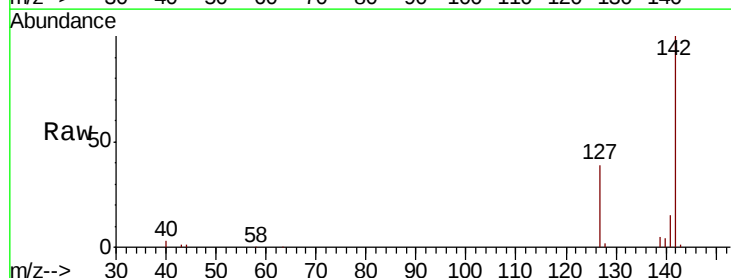
Tgt Ion:142 Resp: 174400

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

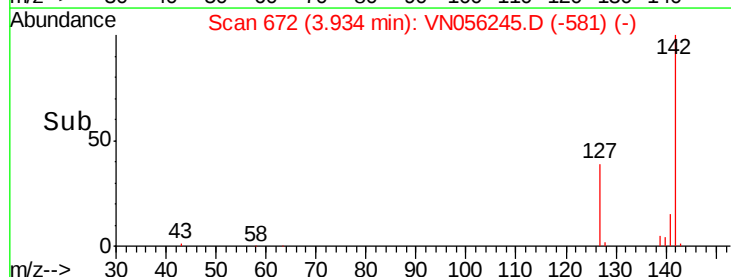
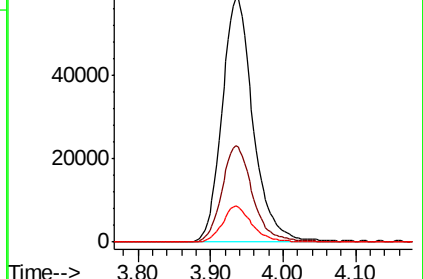
141 14.0 11.4 17.0

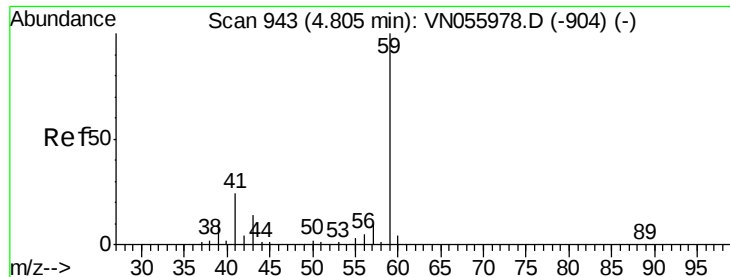


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



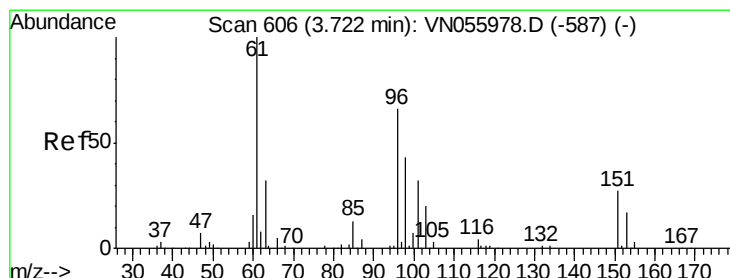
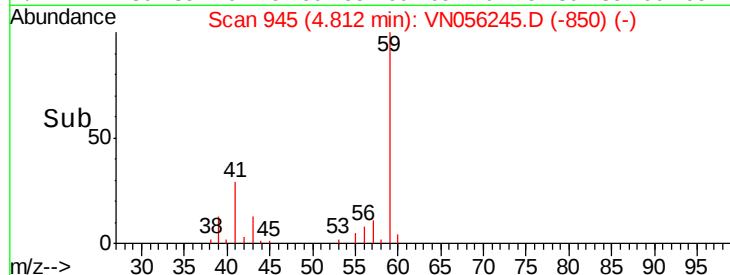
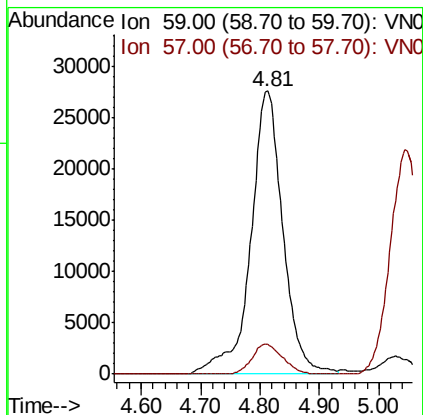
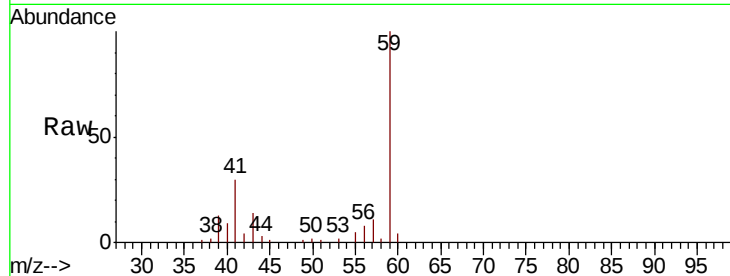


#11

Tert butyl alcohol
 Concen: 216.939 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

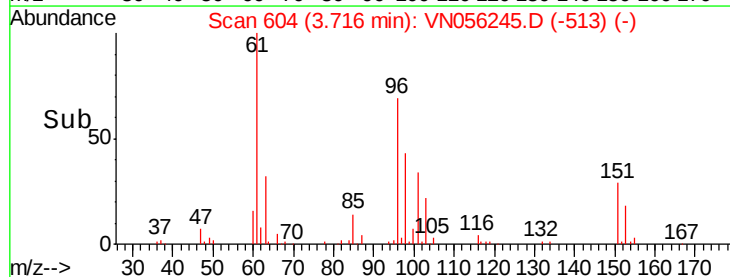
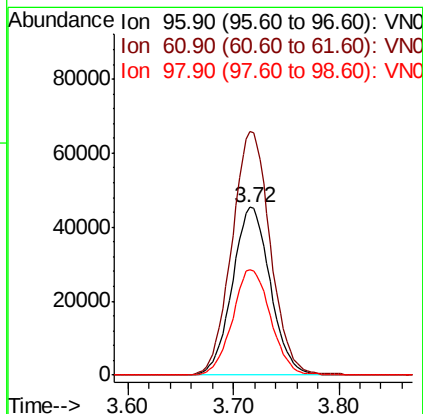
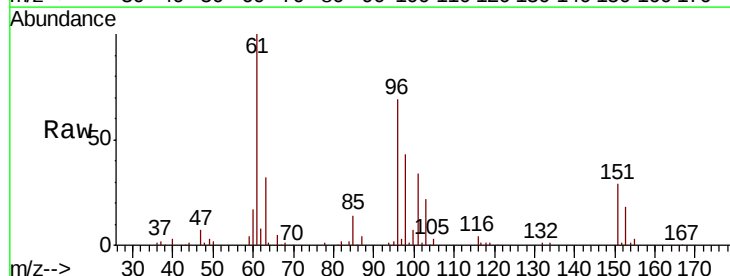
Tot Ion: 59 Resp: 105101
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.6

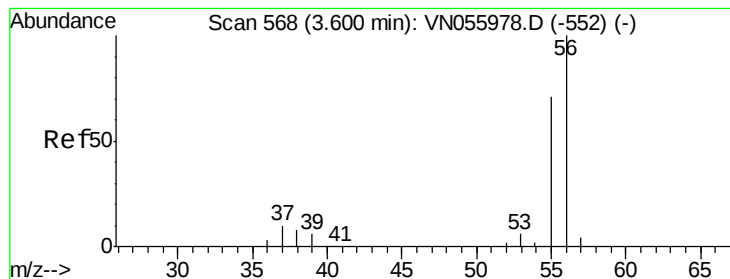


#12

1,1-Dichloroethene
 Concen: 48.122 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion: 96 Resp: 113270
 Ion Ratio Lower Upper
 96 100
 61 144.9 123.2 184.8
 98 62.8 50.4 75.6





#13

Acrolein

Concen: 221.685 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

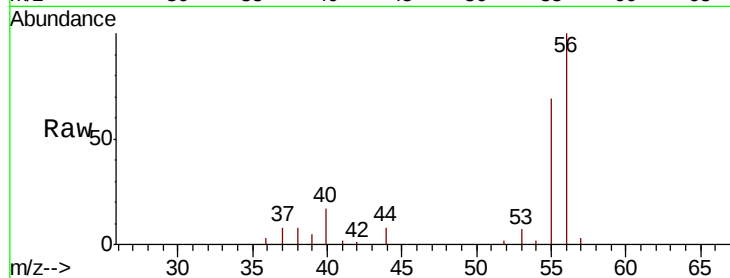
VSTDCCC050

Tot Ion: 56 Resp: 30975

Ion Ratio Lower Upper

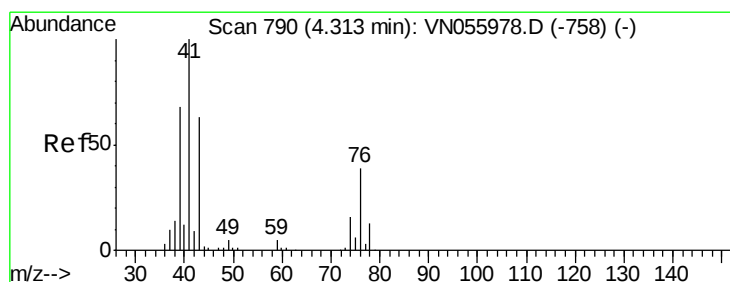
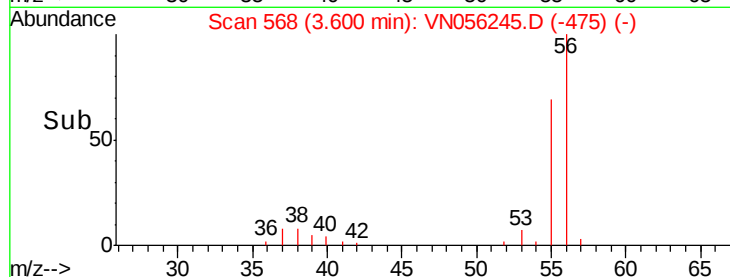
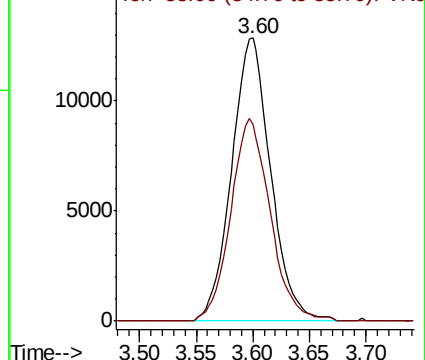
56 100

55 72.3 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: 48.966 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

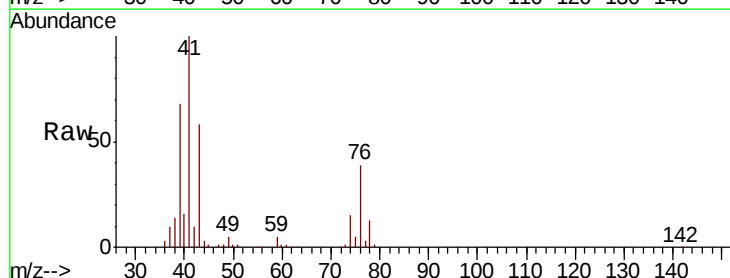
Tgt Ion: 41 Resp: 181993

Ion Ratio Lower Upper

41 100

39 62.1 50.0 75.0

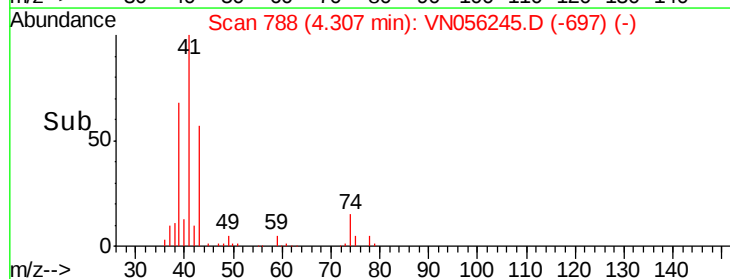
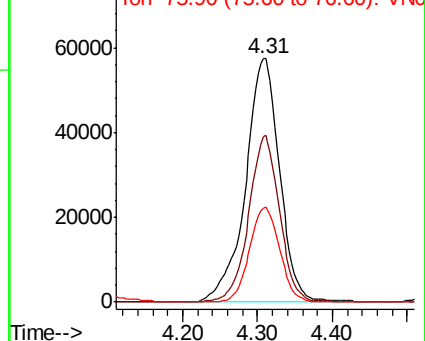
76 34.5 28.2 42.2



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: 261.273 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

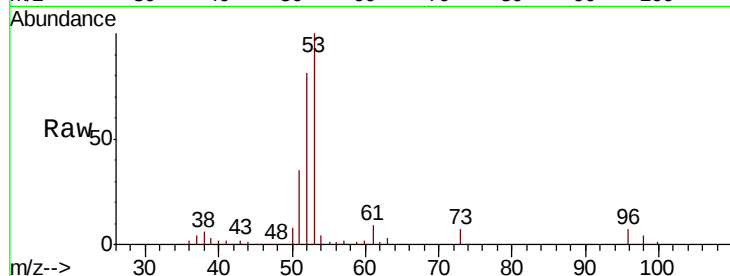
Tot Ion: 53 Resp: 308131

Ion Ratio Lower Upper

53 100

52 81.6 65.8 98.8

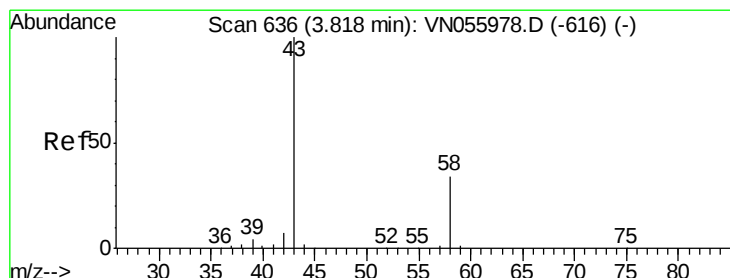
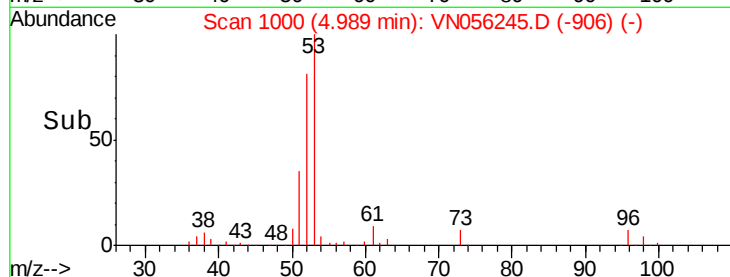
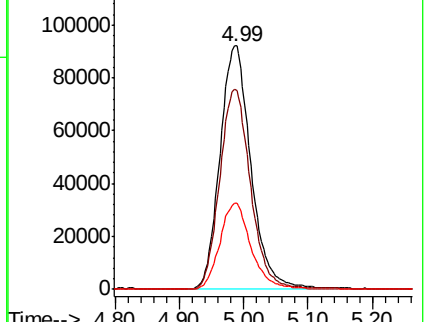
51 35.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)



#16

Acetone

Concen: 236.258 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056245.D

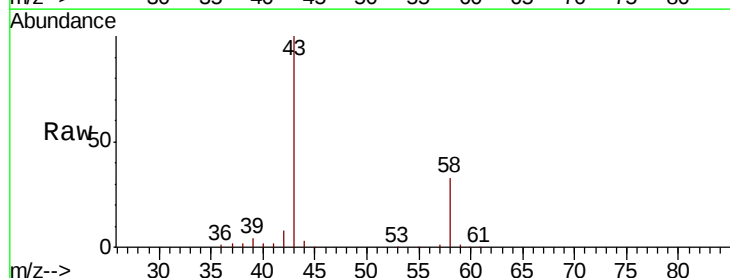
Acq: 12 Jun 2019 13:36

Tgt Ion: 43 Resp: 314575

Ion Ratio Lower Upper

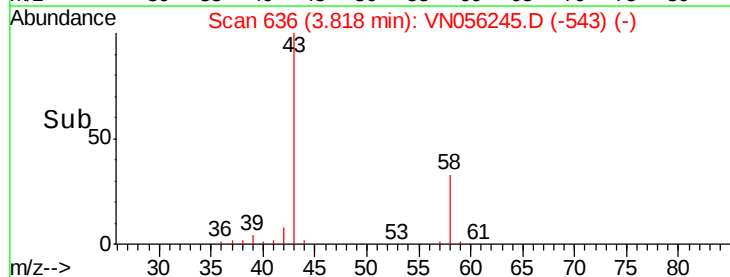
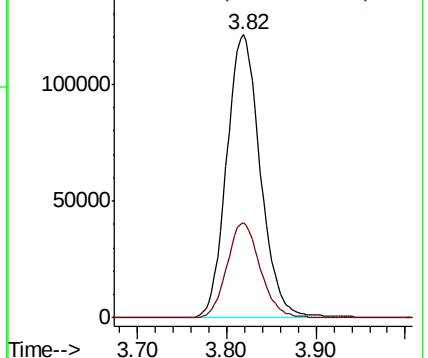
43 100

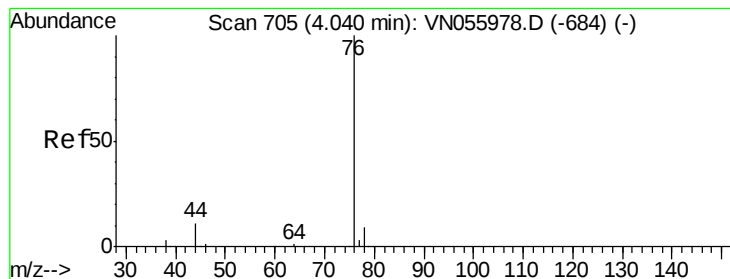
58 33.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)





#17

Carbon Disulfide

Concen: 45.914 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

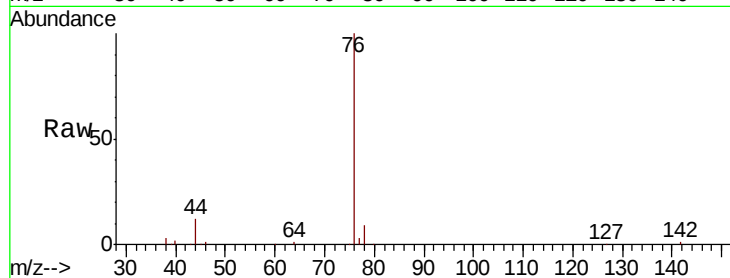
VSTDCCC050

Tot Ion: 76 Resp: 258760

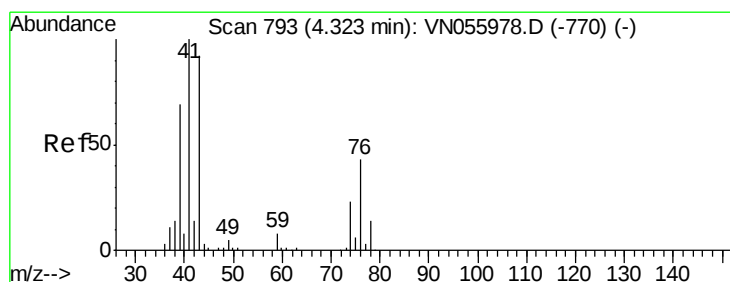
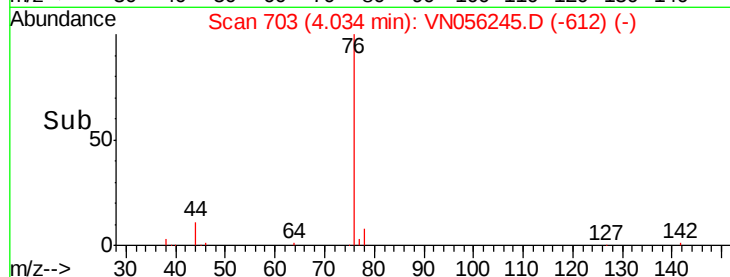
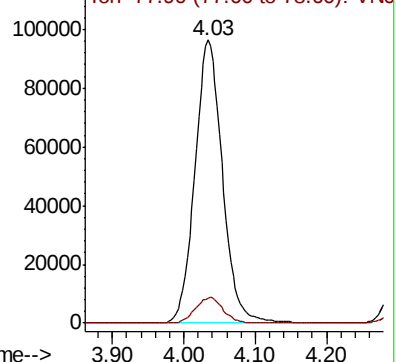
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 53.638 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056245.D

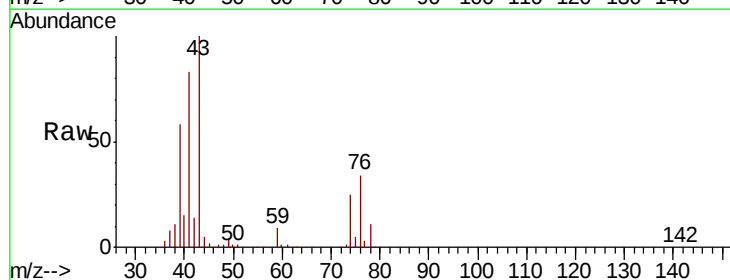
Acq: 12 Jun 2019 13:36

Tgt Ion: 43 Resp: 140177

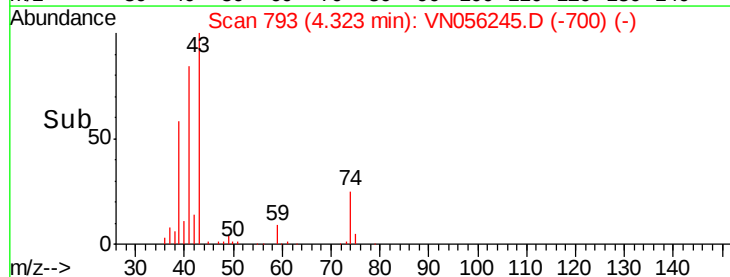
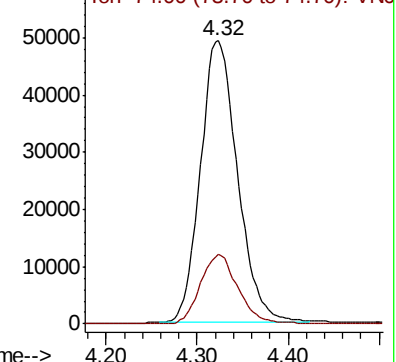
Ion Ratio Lower Upper

43 100

74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

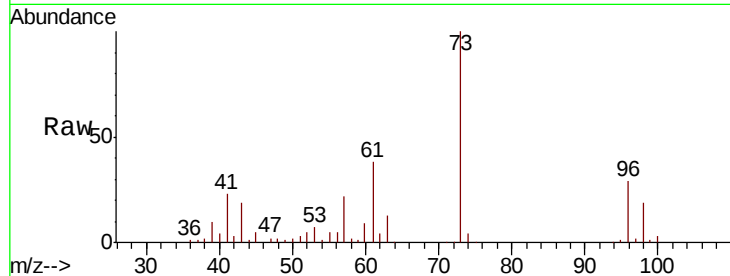




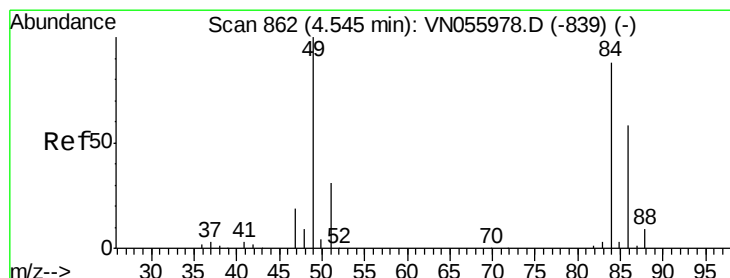
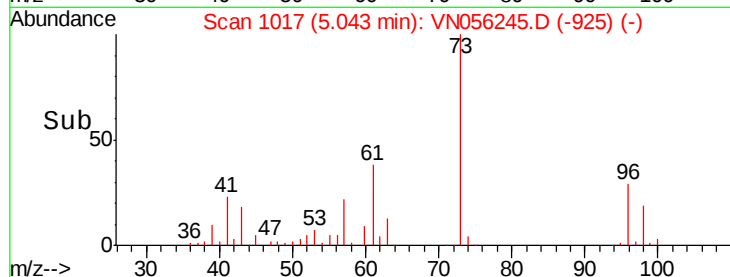
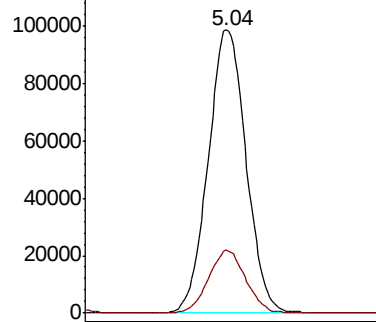
#19
Methvl tert-butvl Ether
Concen: 48.449 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 363505
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

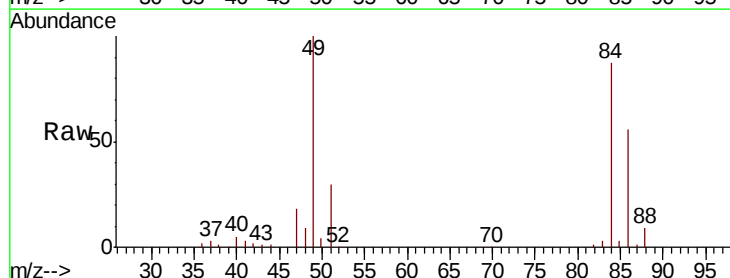


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

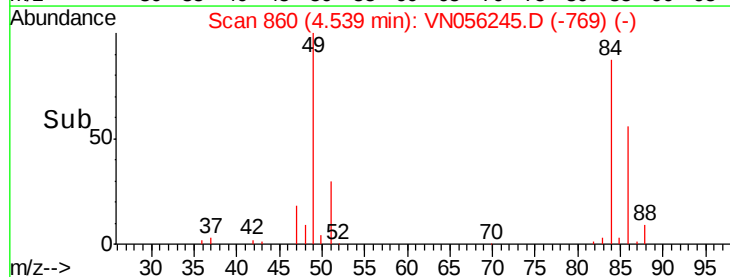
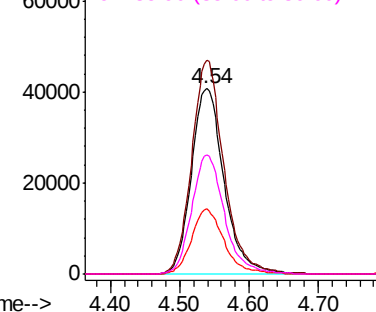


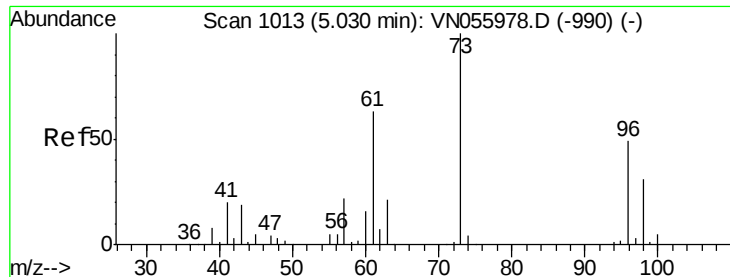
#20
Methylene Chloride
Concen: 48.902 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 84 Resp: 134147
Ion Ratio Lower Upper
84 100
49 115.3 93.5 140.3
51 35.0 28.6 43.0
86 64.3 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

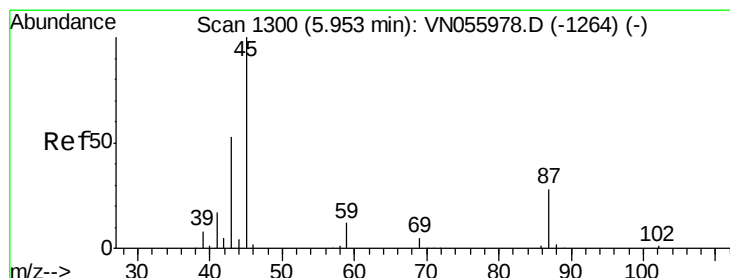
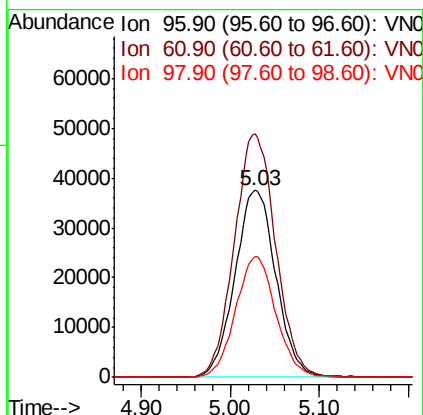
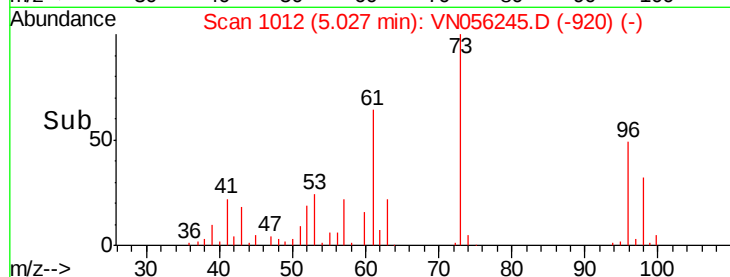
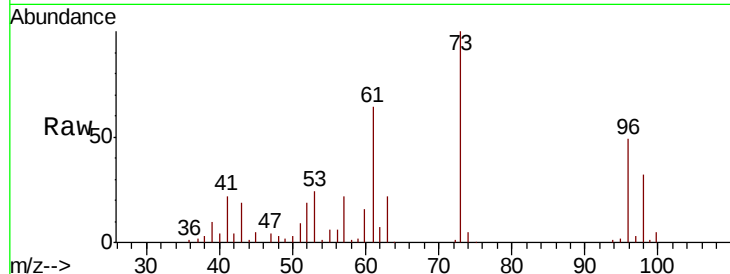




#21
trans-1,2-Dichloroethene
Concen: 47.452 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

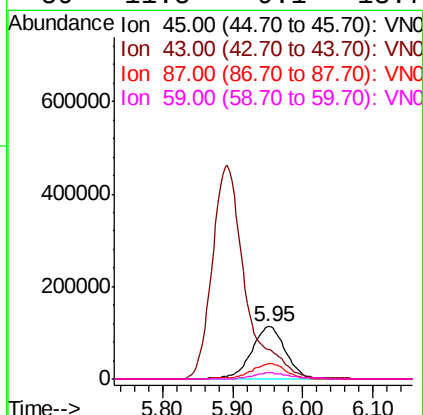
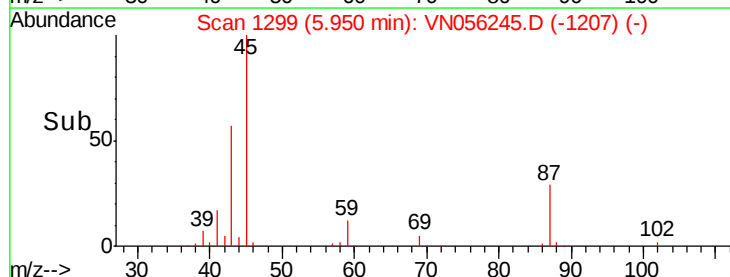
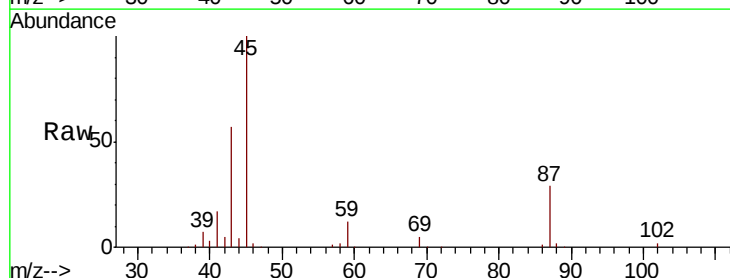
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

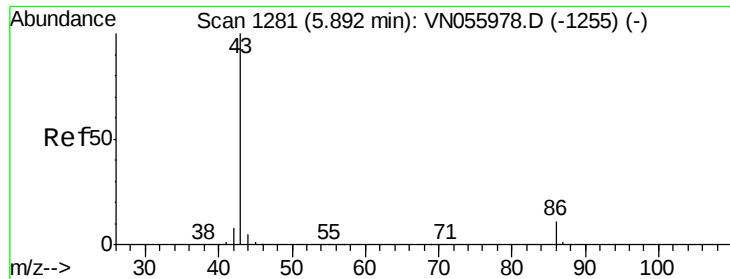
Tot Ion: 96 Resp: 119674
Ion Ratio Lower Upper
96 100
61 130.2 107.8 161.8
98 64.9 49.8 74.8



#22
Diisopropyl ether
Concen: 49.670 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 45 Resp: 381618
Ion Ratio Lower Upper
45 100
43 55.8 45.0 67.6
87 28.5 22.2 33.4
59 11.5 9.1 13.7





#23

Vinyl Acetate

Concen: 250.819 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

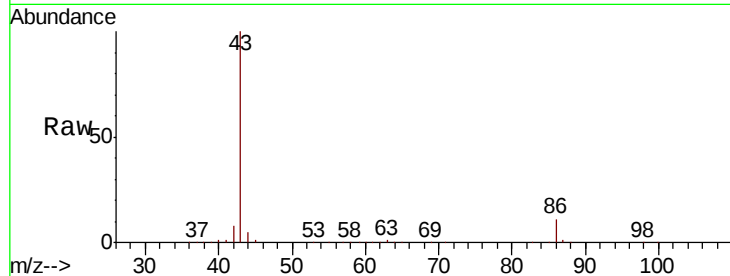
VSTDCCC050

Tot Ion: 43 Resp: 1517562

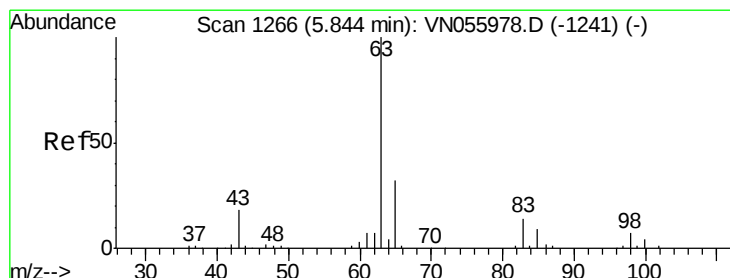
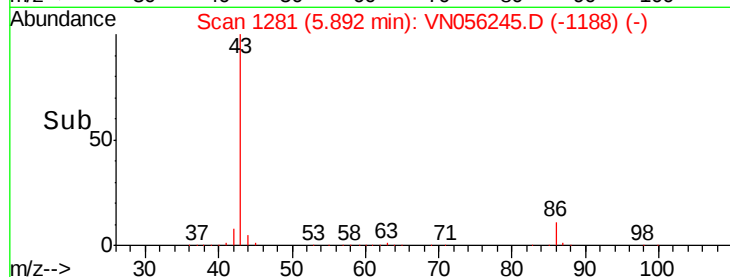
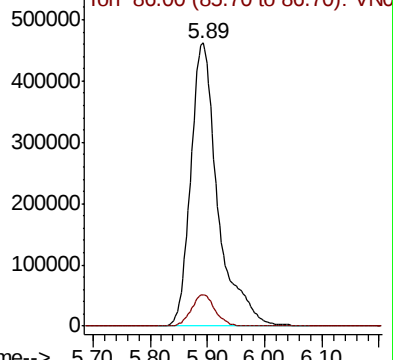
Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)



#24

1,1-Dichloroethane

Concen: 49.573 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

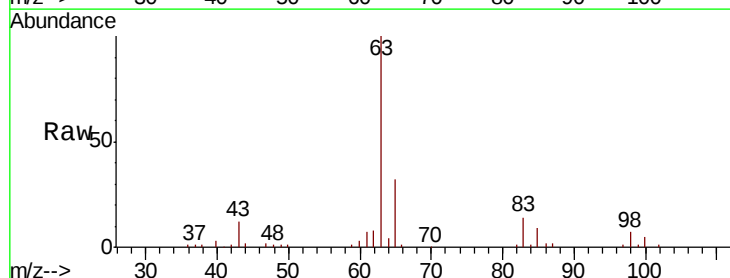
Tgt Ion: 63 Resp: 219703

Ion Ratio Lower Upper

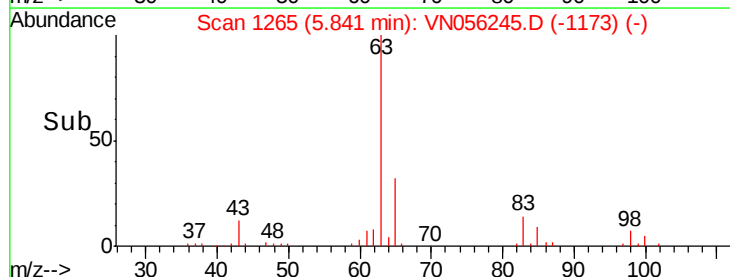
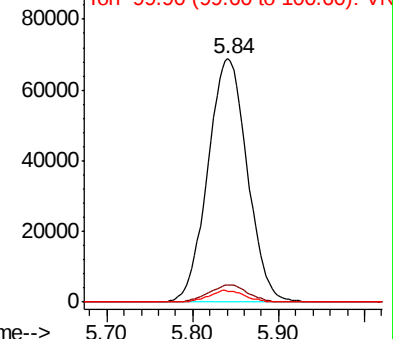
63 100

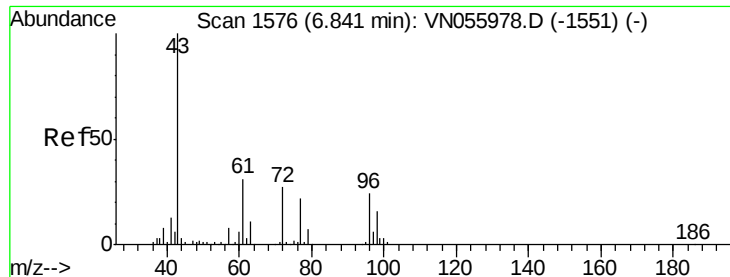
98 7.2 3.4 10.1

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

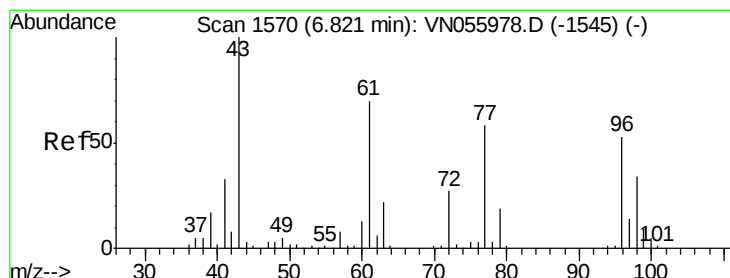
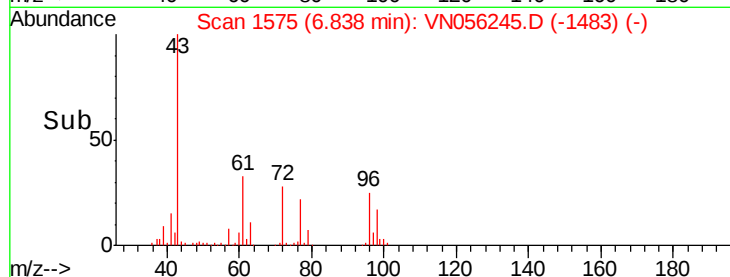
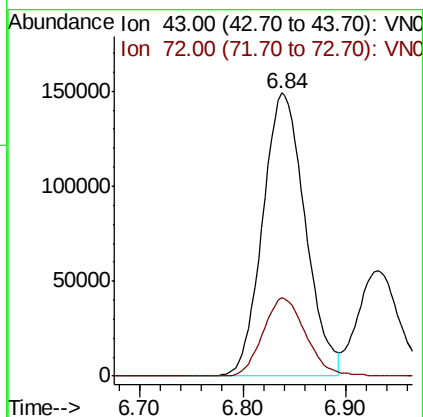
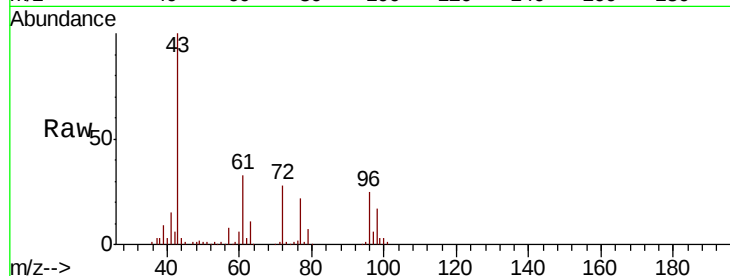




#25
2-Butanone
Concen: 253.210 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

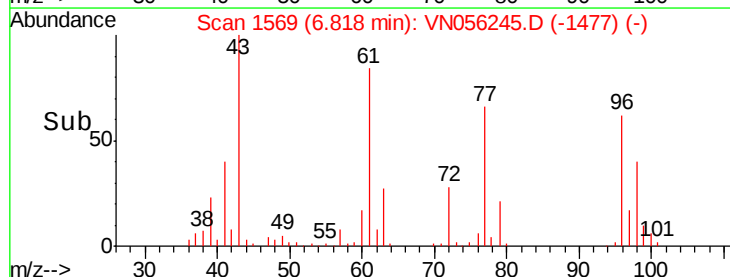
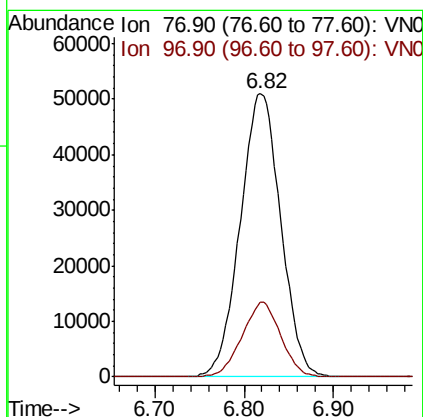
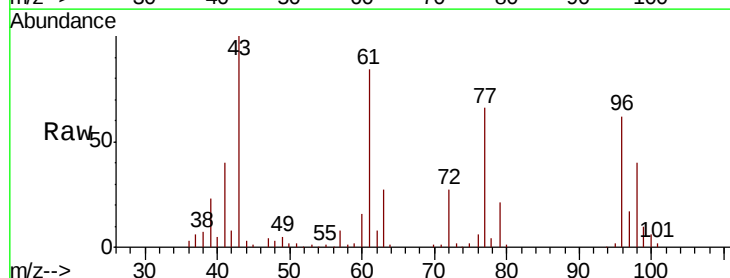
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 425974
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 46.623 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 77 Resp: 161236
Ion Ratio Lower Upper
77 100
97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.570 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

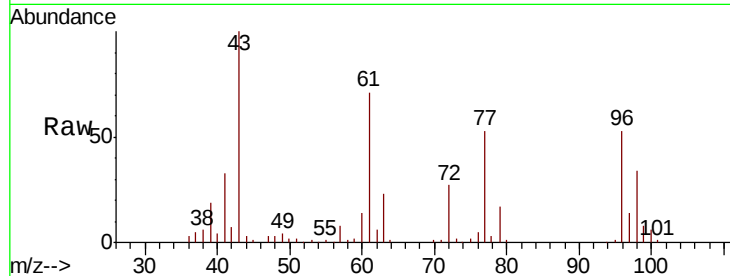
Tot Ion: 96 Resp: 143988

Ion Ratio Lower Upper

96 100

61 133.9 0.0 275.8

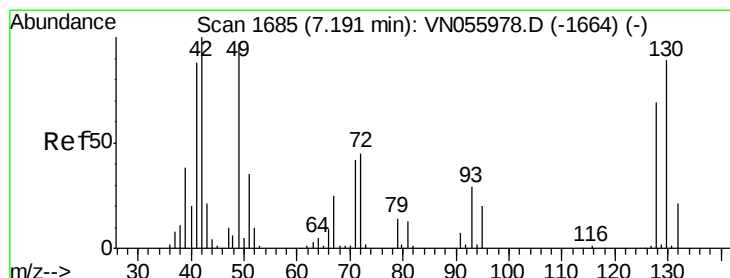
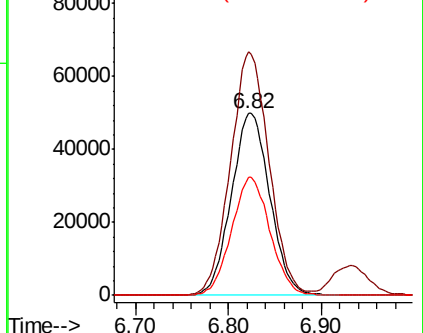
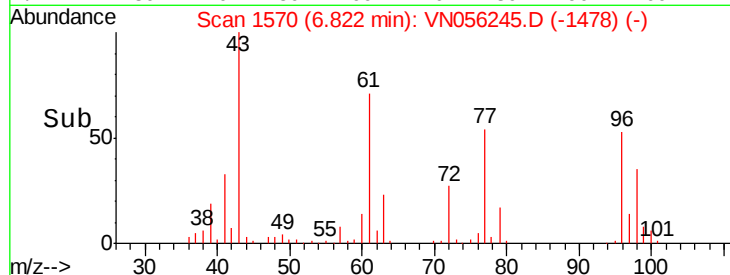
98 64.9 0.0 128.4



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: 50.536 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

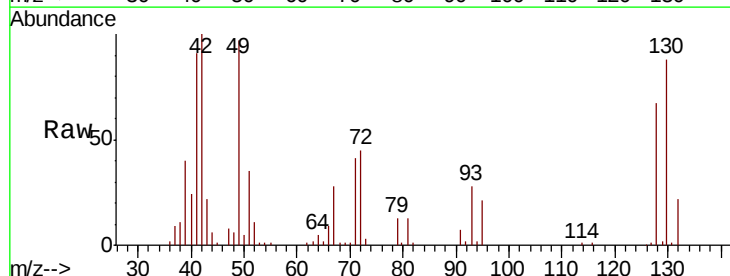
Tgt Ion: 49 Resp: 105915

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

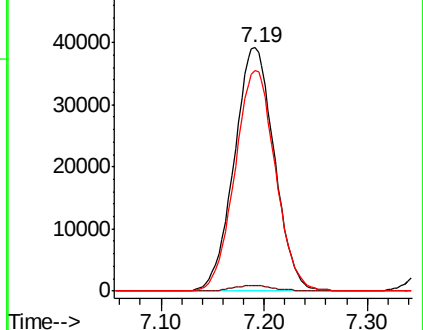
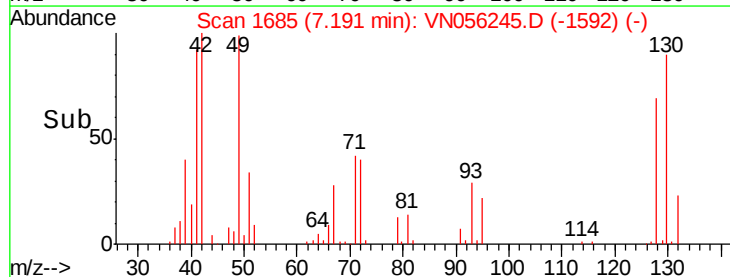
130 91.4 71.2 106.8

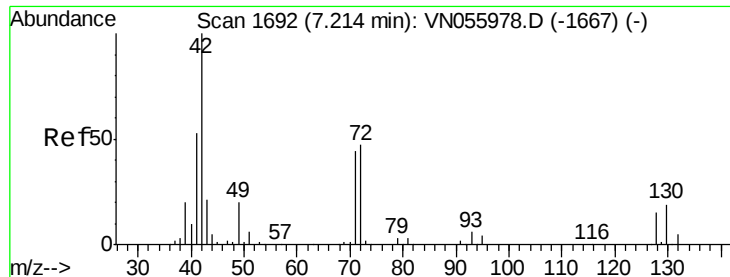


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

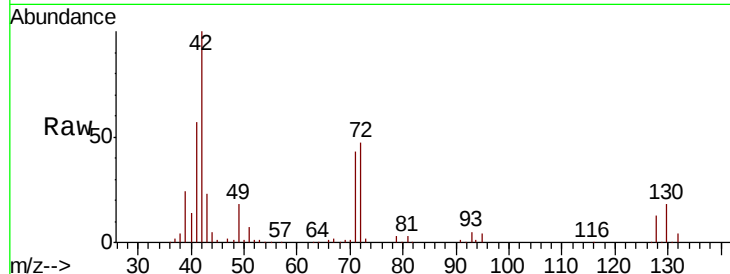




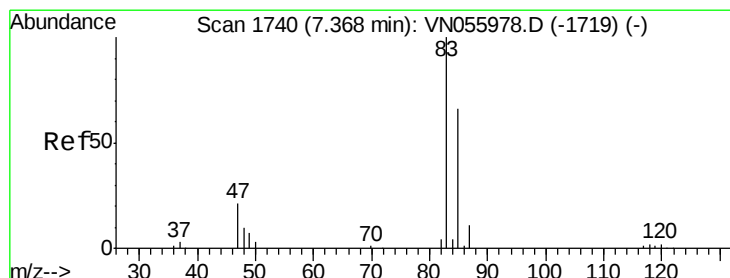
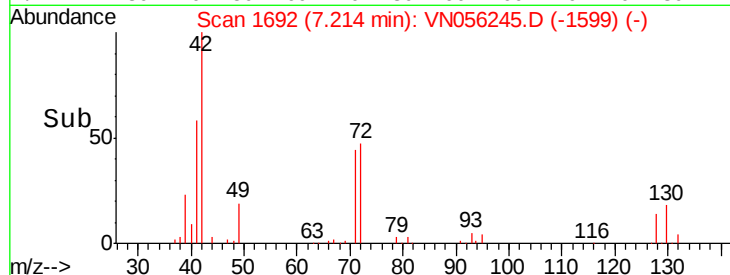
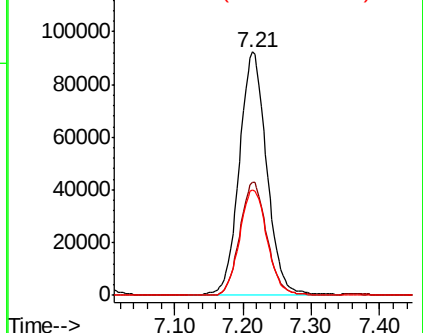
#29
Tetrahydrofuran
Concen: 249.283 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 259228
Ion Ratio Lower Upper
42 100
72 45.5 35.9 53.9
71 43.3 34.0 51.0

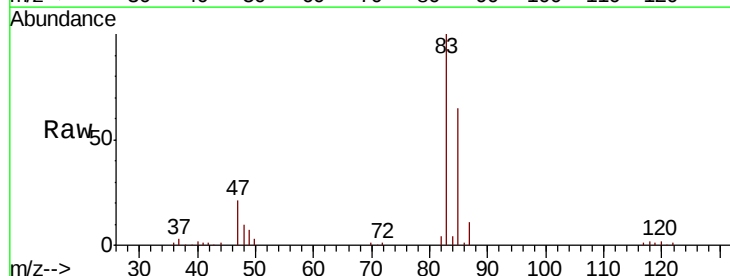


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

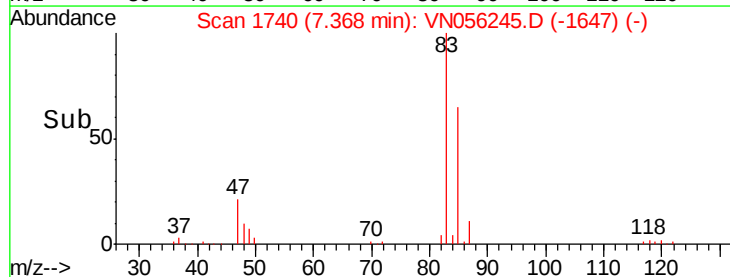
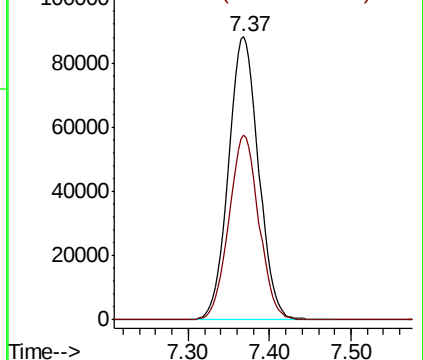


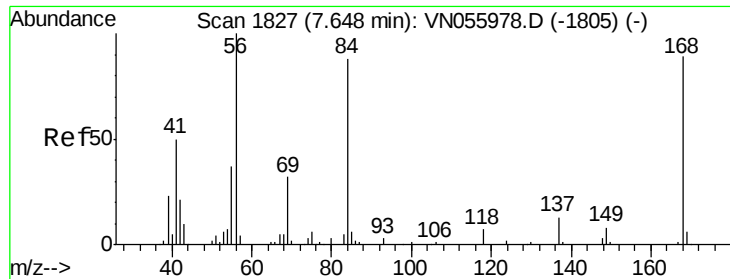
#30
Chloroform
Concen: 51.055 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 83 Resp: 227621
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.8



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

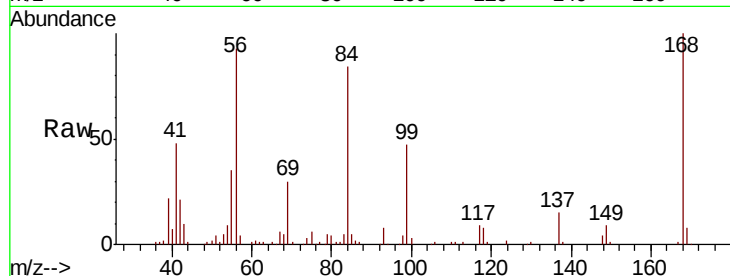




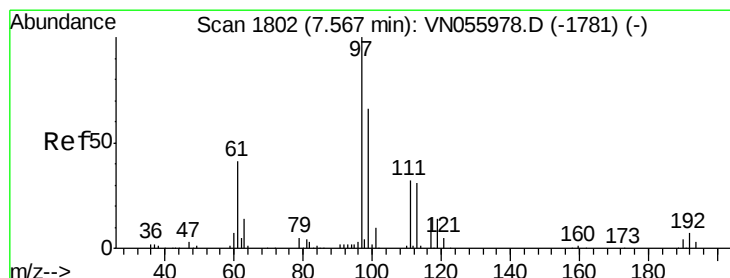
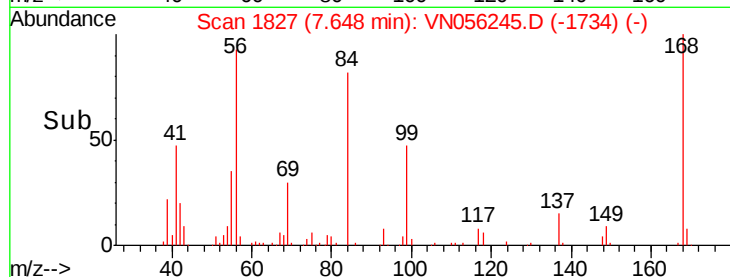
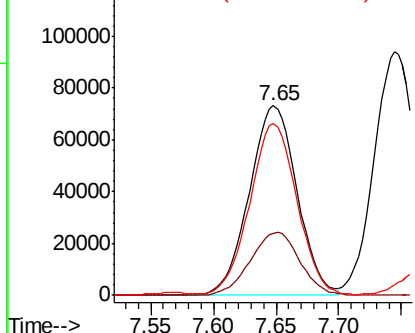
#31
Cyclohexane
Concen: 43.817 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 193567
Ion Ratio Lower Upper
56 100
69 32.6 25.6 38.4
84 89.5 67.4 101.0

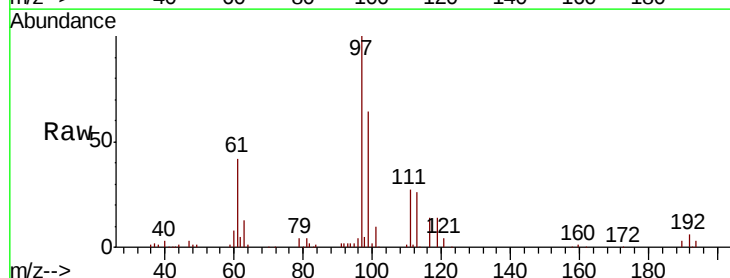


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

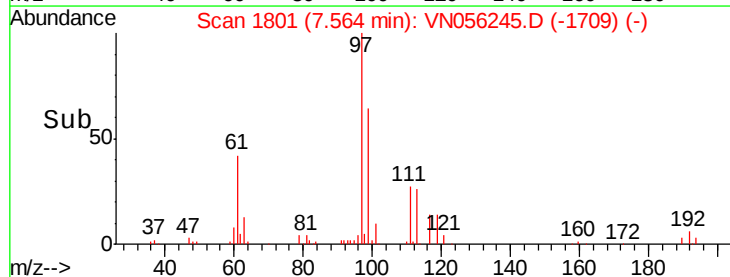
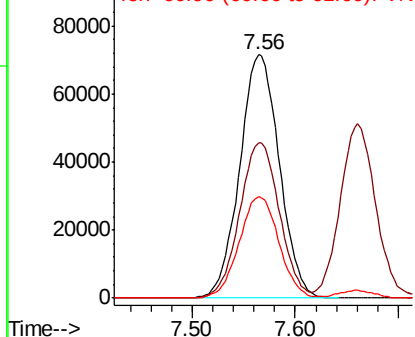


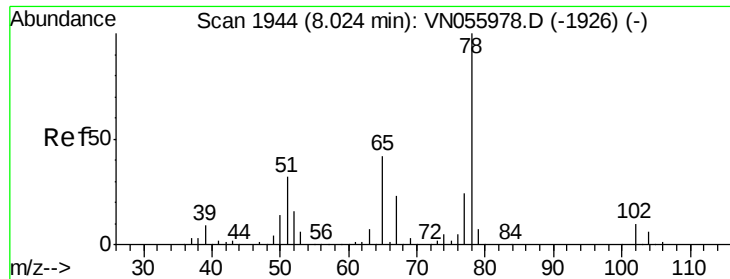
#32
1,1,1-Trichloroethane
Concen: 51.344 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 97 Resp: 191153
Ion Ratio Lower Upper
97 100
99 64.2 52.0 78.0
61 41.8 32.9 49.3



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

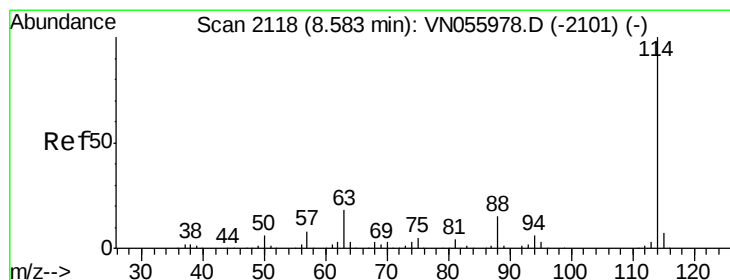
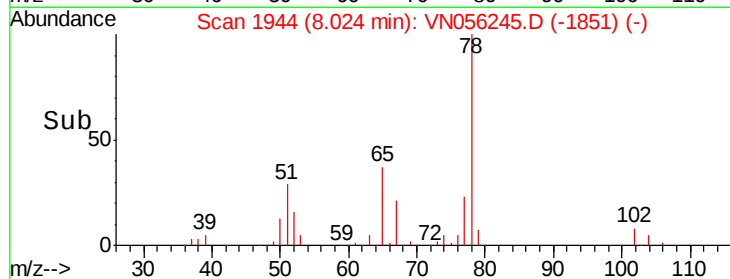
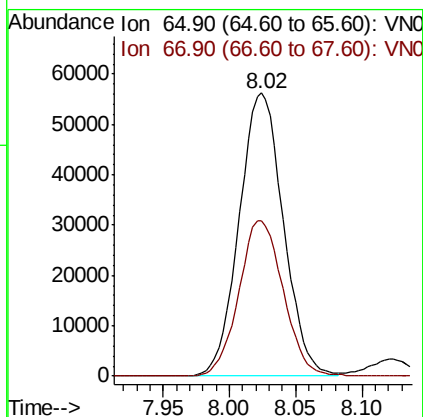
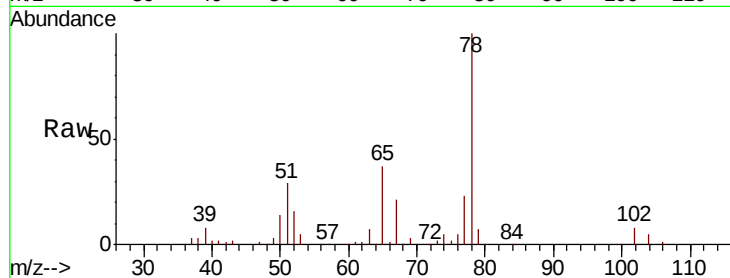




#33
 1,2-Dichloroethane-d4
 Concen: 46.827 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

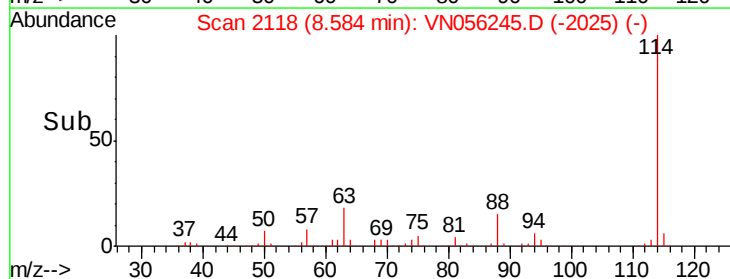
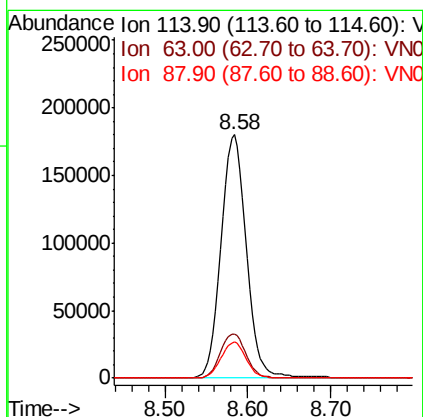
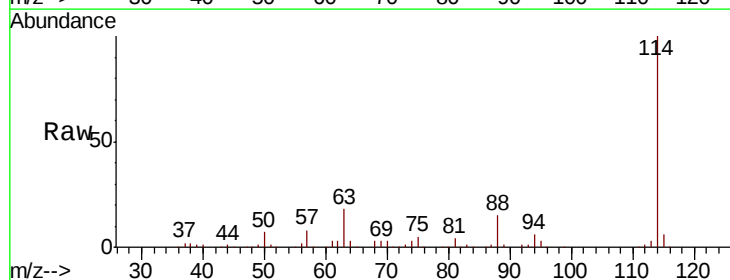
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

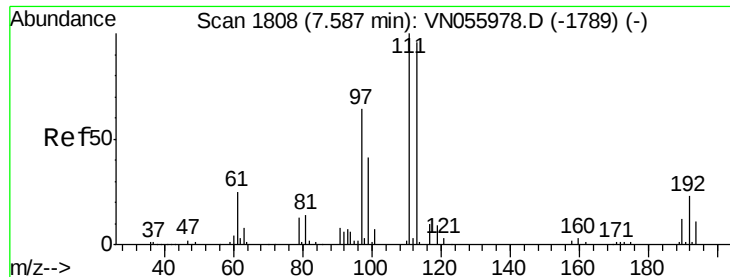
Tot Ion: 65 Resp: 130364
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion: 114 Resp: 382485
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.2
 88 15.0 0.0 31.0

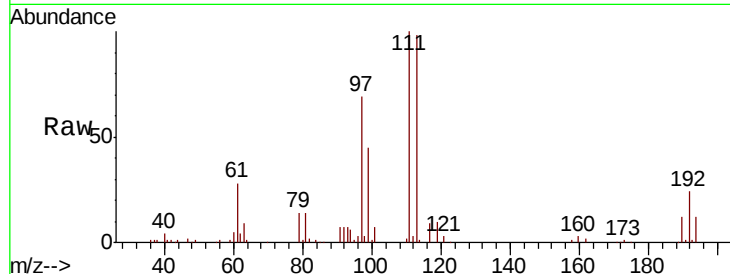




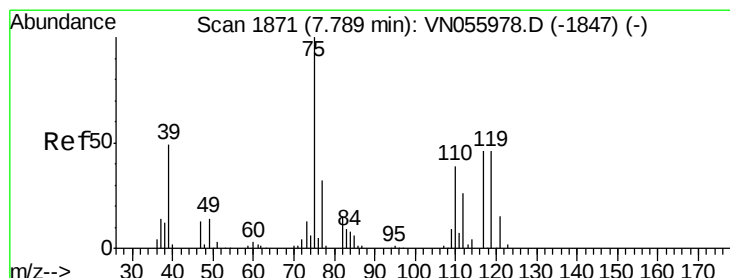
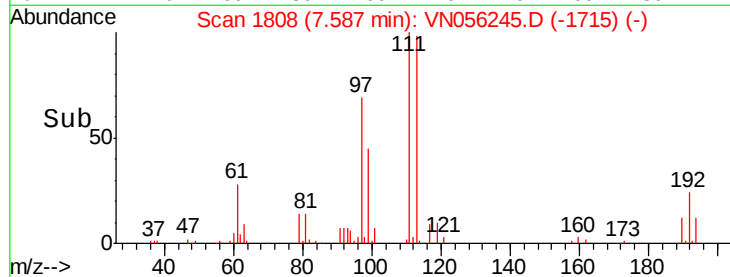
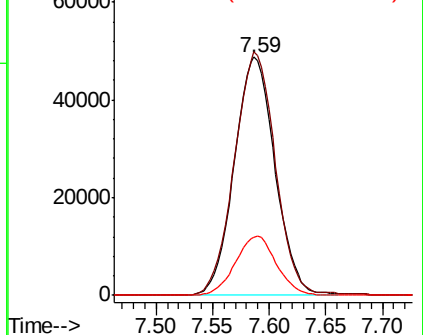
#35
 Dibromofluoromethane
 Concen: 52.053 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	24.8	19.5	29.3

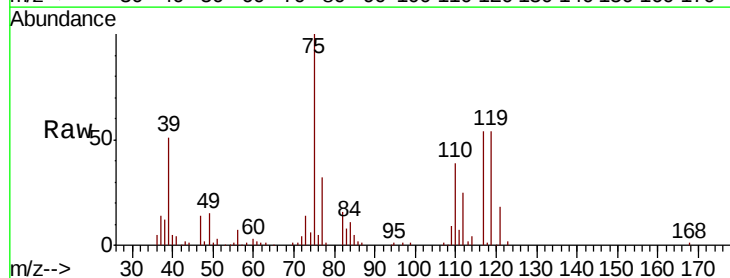


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

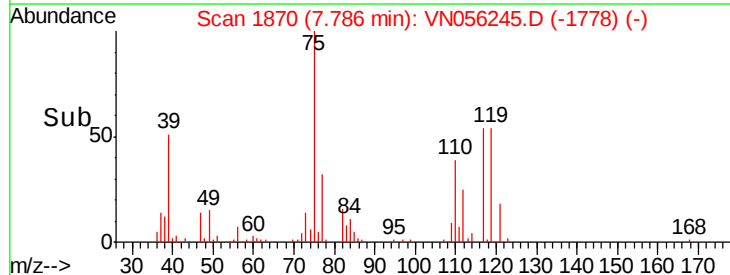
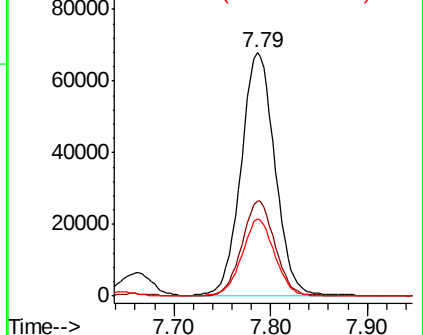


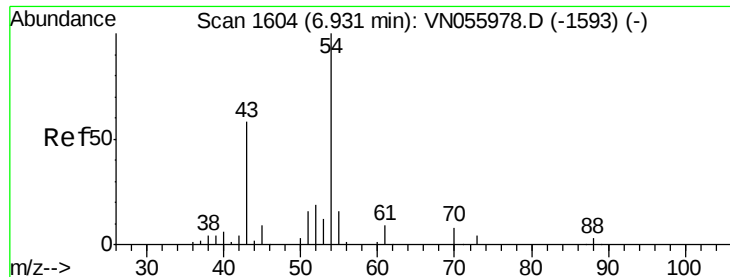
#36
 1,1-Dichloropropene
 Concen: 49.898 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.0	57.0
77	30.8	25.1	37.7



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

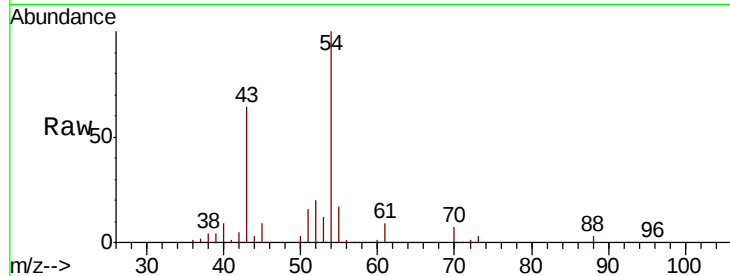




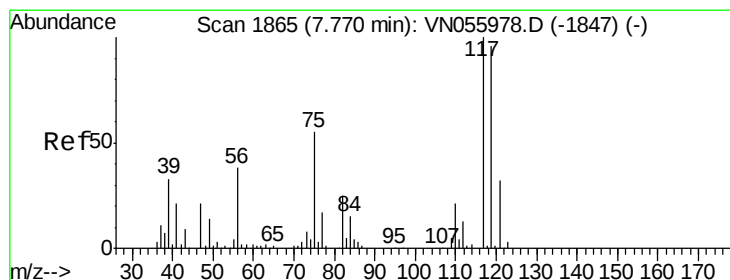
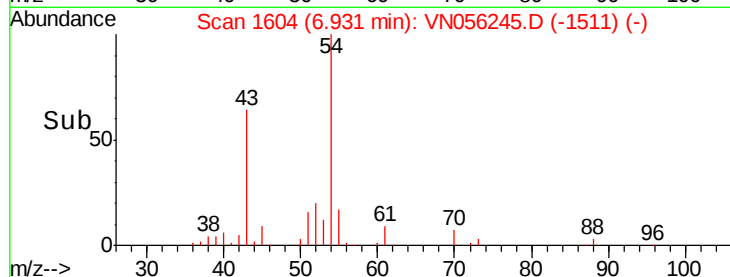
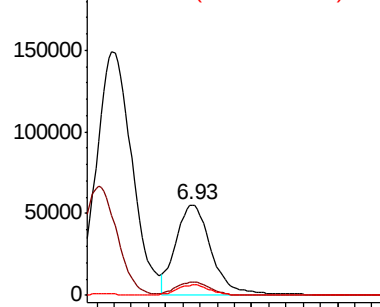
#37
Ethyl Acetate
Concen: 53.636 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 156954
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.2
70 11.1 8.9 13.3

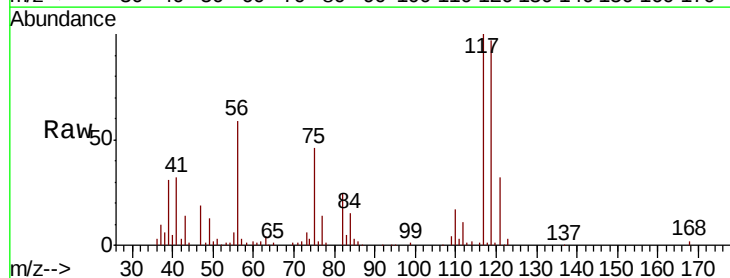


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

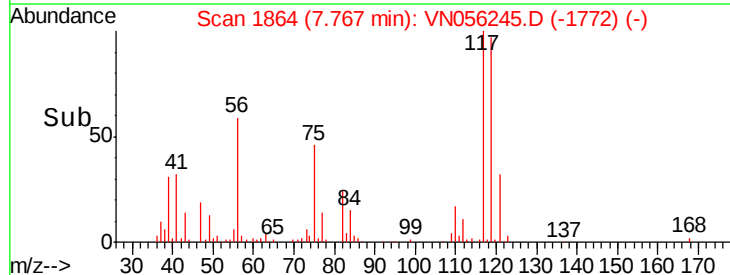
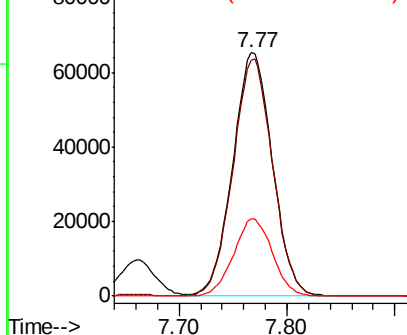


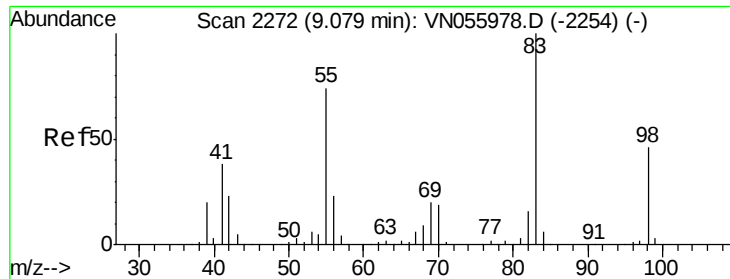
#38
Carbon Tetrachloride
Concen: 55.103 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 117 Resp: 167080
Ion Ratio Lower Upper
117 100
119 96.9 79.0 118.6
121 32.0 24.7 37.1



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

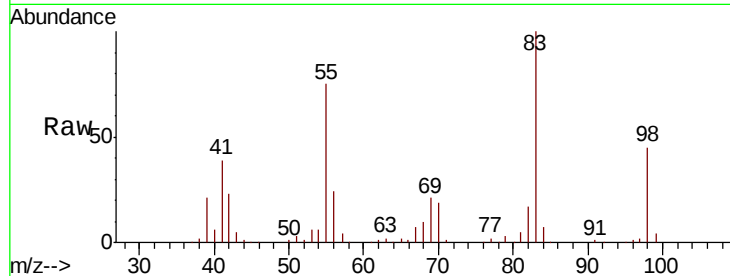




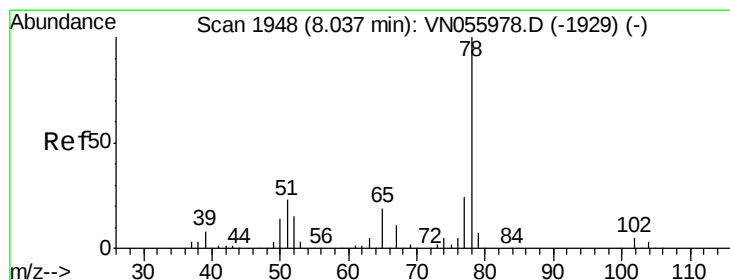
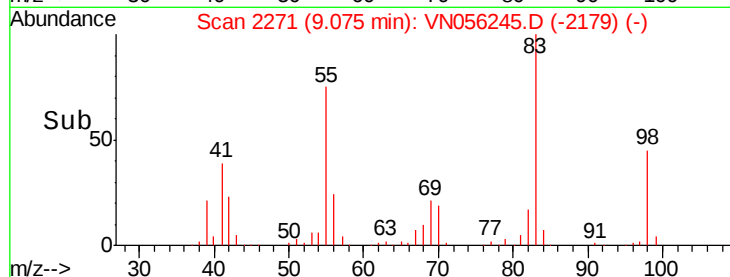
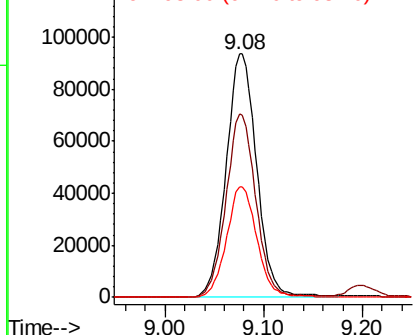
#39
Methvlcvclohexane
Concen: 49.426 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 202496
Ion Ratio Lower Upper
83 100
55 75.3 59.3 88.9
98 45.5 36.6 54.8

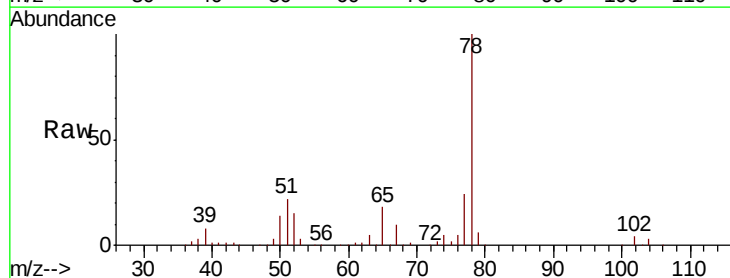


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

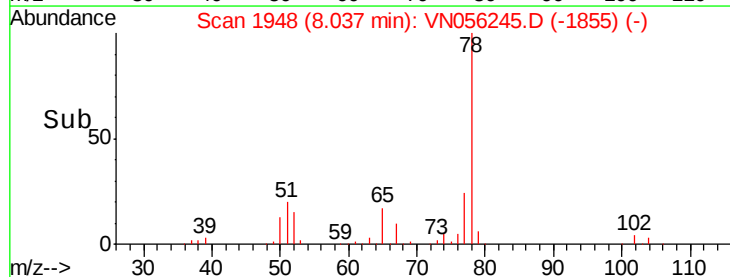
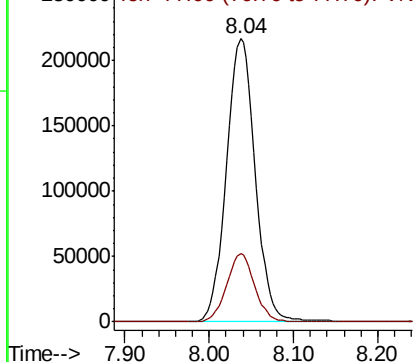


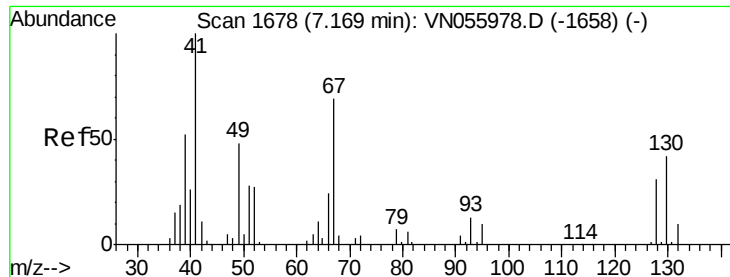
#40
Benzene
Concen: 51.556 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 78 Resp: 514986
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



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

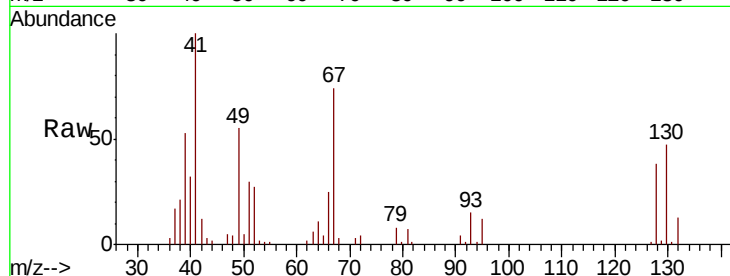




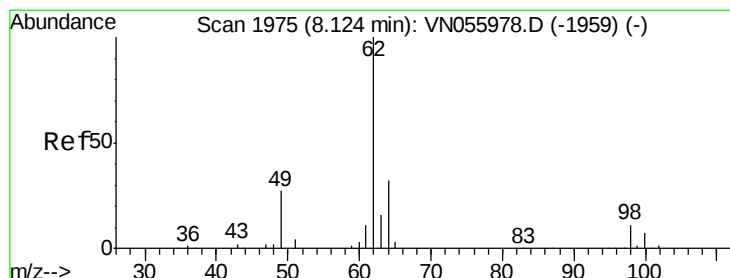
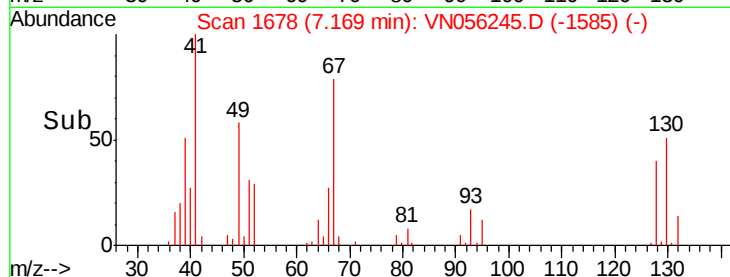
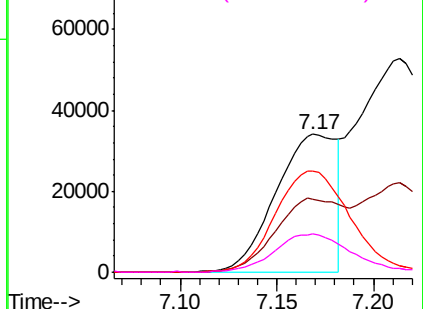
#41
Methacrylonitrile
Concen: 55.486 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 74704
Ion Ratio Lower Upper
41 100
39 61.1 45.6 68.4
67 91.3 67.7 101.5
52 35.6 26.6 40.0

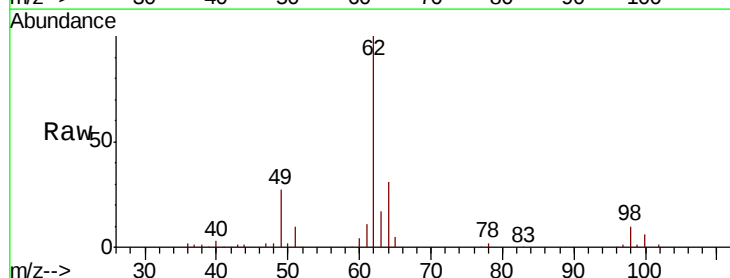


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

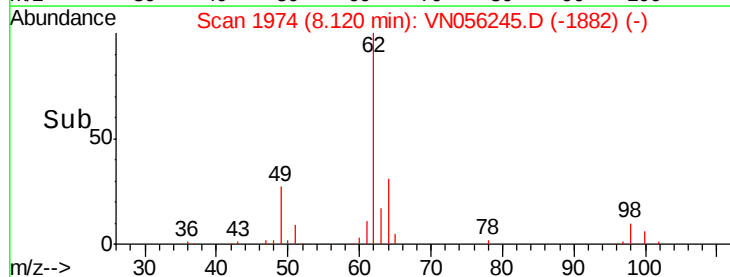
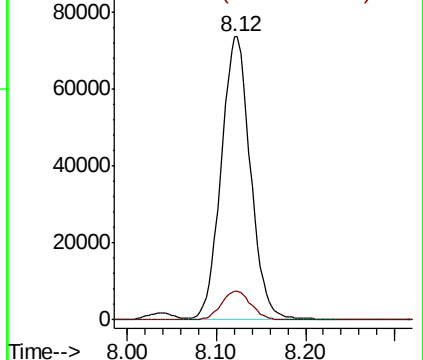


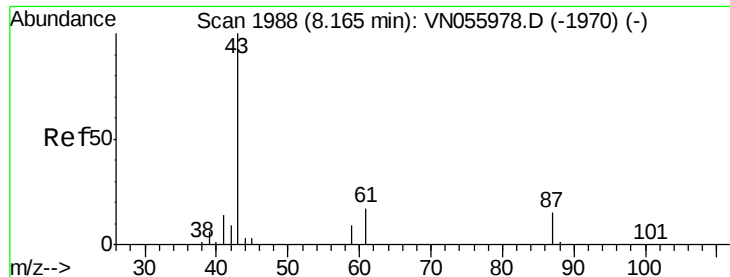
#42
1,2-Dichloroethane
Concen: 51.868 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 62 Resp: 166656
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 51.762 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

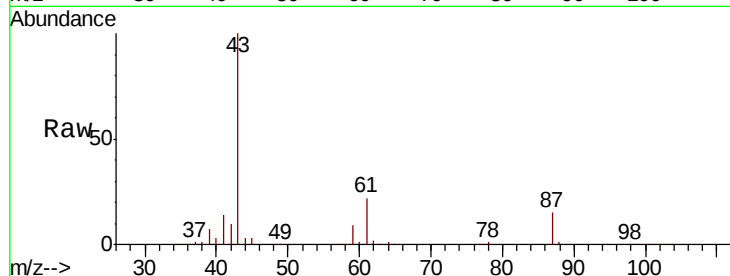
Tot Ion: 43 Resp: 245453

Ion Ratio Lower Upper

43 100

61 21.1 22.2 33.4#

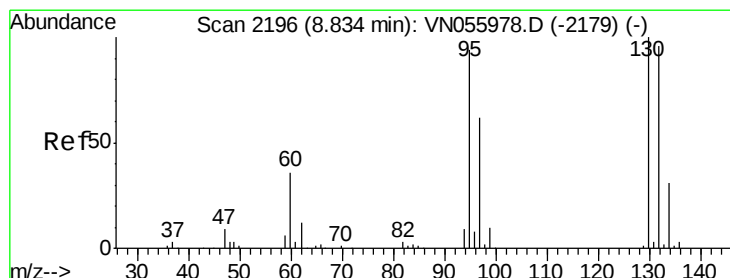
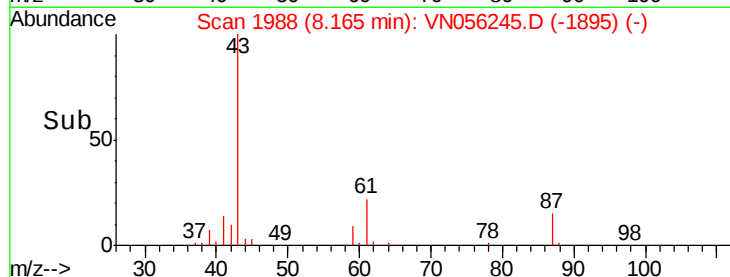
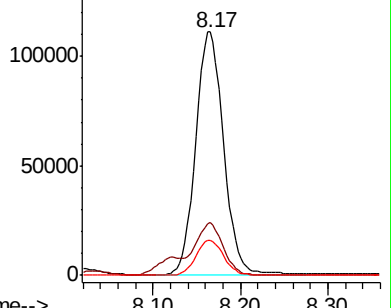
87 14.4 11.4 17.2



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

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

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



#44

Trichloroethene

Concen: 52.247 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056245.D

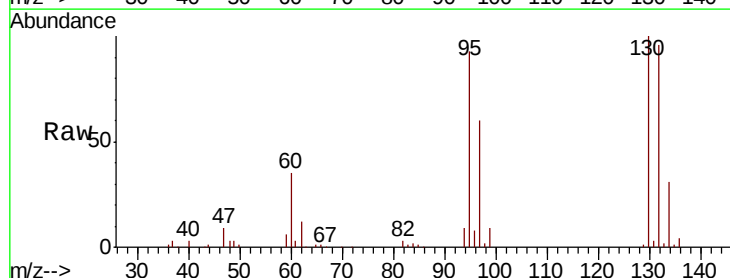
Acq: 12 Jun 2019 13:36

Tgt Ion:130 Resp: 149966

Ion Ratio Lower Upper

130 100

95 92.5 0.0 188.0



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

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

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

Ion 130.00 (129.70 to 130.30): VN055978.D (-2179) (-)

Ion 130.20 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 130.40 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 130.60 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 130.80 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 131.00 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 131.20 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 131.40 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 131.60 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 131.80 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 132.00 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 132.20 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 132.40 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 132.60 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 132.80 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 133.00 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 133.20 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 133.40 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 133.60 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 133.80 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 134.00 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 134.20 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 134.40 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 134.60 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 134.80 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 135.00 (129.90 to 130.50): VN055978.D (-2179) (-)

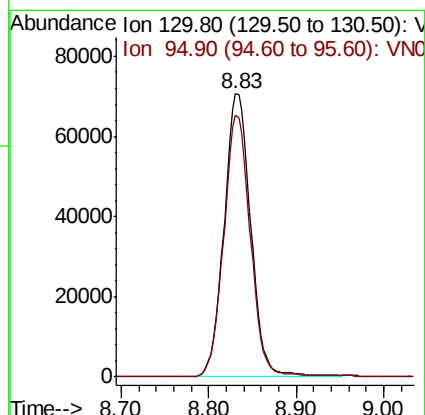
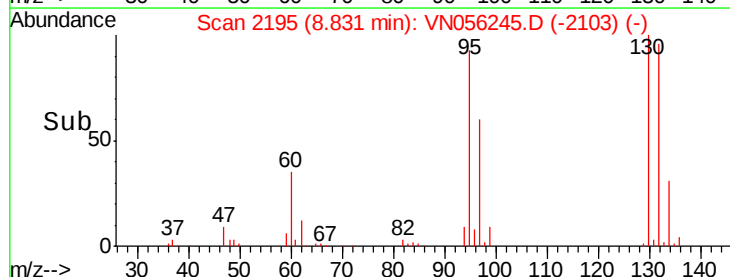
Ion 135.20 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 135.40 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 135.60 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 135.80 (129.90 to 130.50): VN055978.D (-2179) (-)

Ion 136.00 (129.90 to 130.50): VN055978.D (-2179) (-)

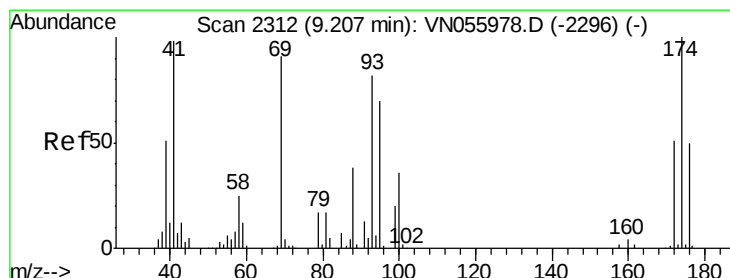
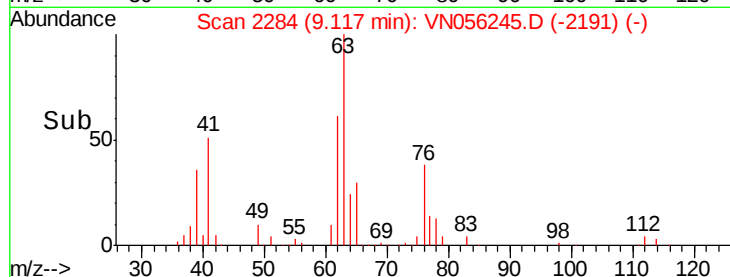
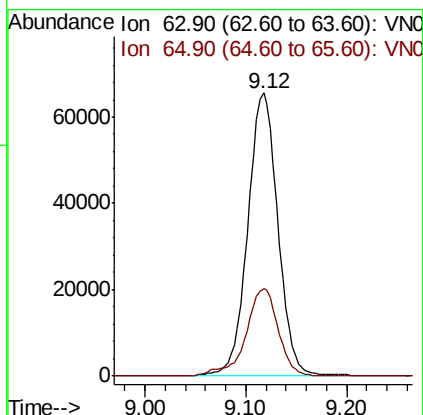
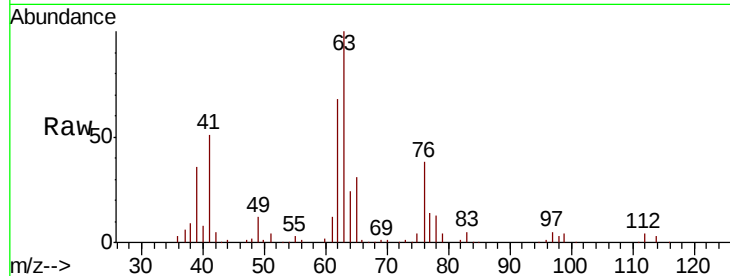




#45
 1,2-Dichloropropane
 Concen: 52.930 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

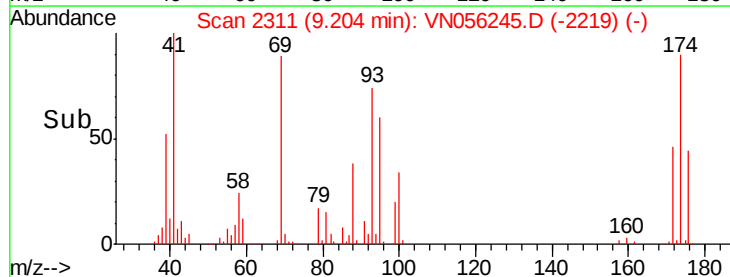
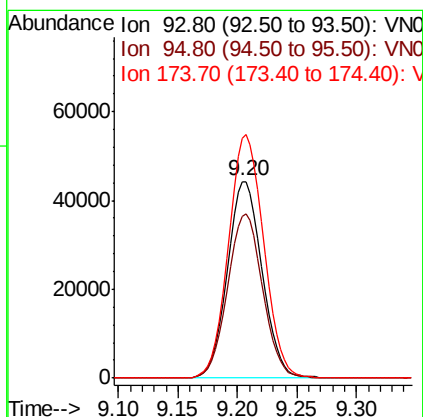
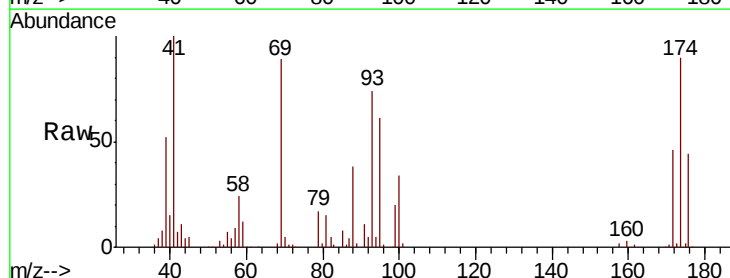
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 135426
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8



#46
 Dibromomethane
 Concen: 53.653 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion: 93 Resp: 89769
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 125.4 96.4 144.6





#47

Bromodichloromethane

Concen: 58.616 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

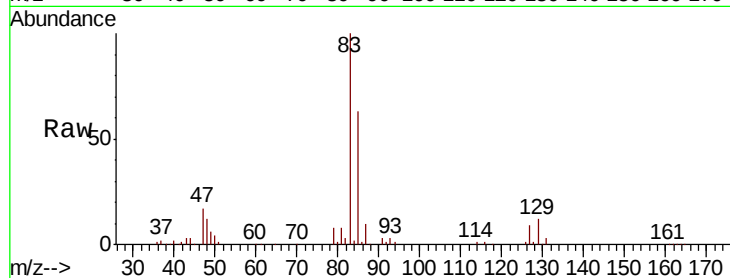
Tot Ion: 83 Resp: 177746

Ion Ratio Lower Upper

83 100

85 63.0 52.2 78.2

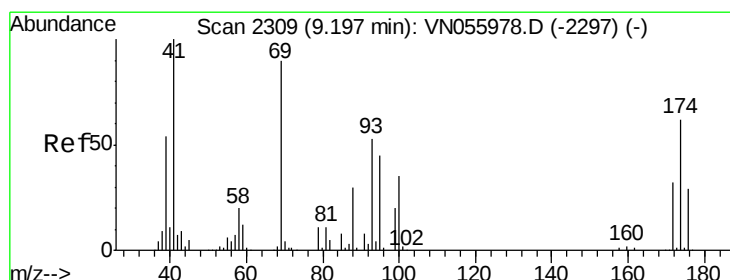
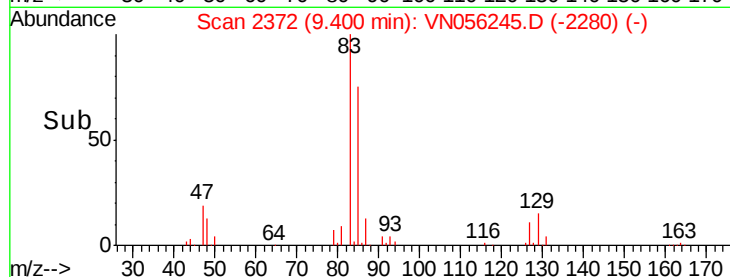
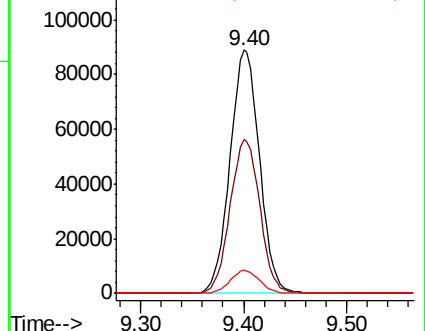
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2356) (-)



#48

Methyl methacrylate

Concen: 53.756 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

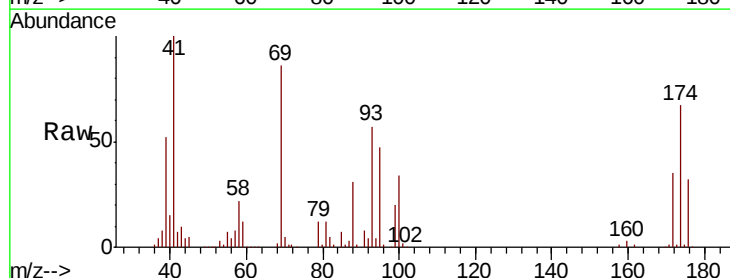
Tgt Ion: 41 Resp: 124708

Ion Ratio Lower Upper

41 100

69 88.7 71.0 106.6

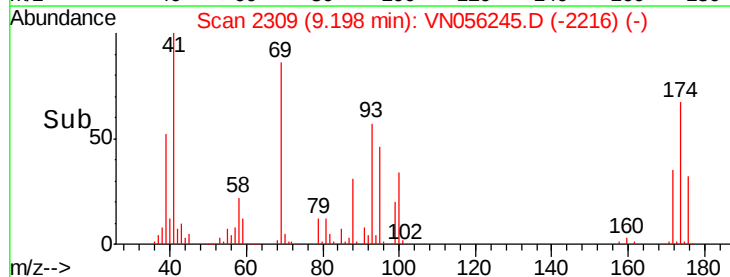
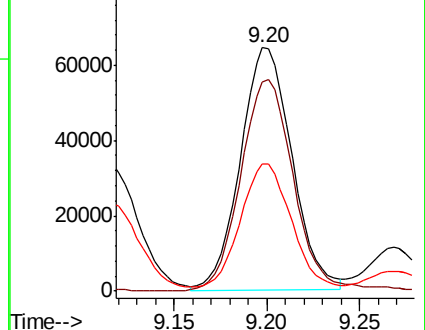
39 52.4 44.2 66.2

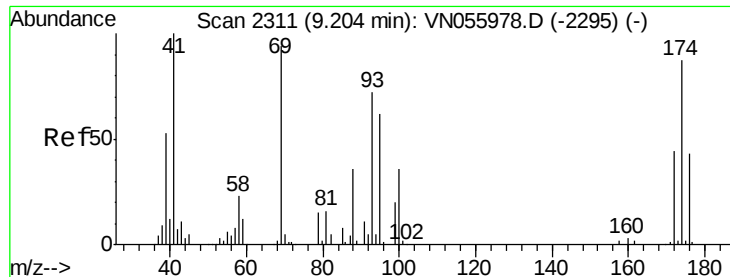


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-2297) (-)





#49

1,4-Dioxane

Concen: 1104.474 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

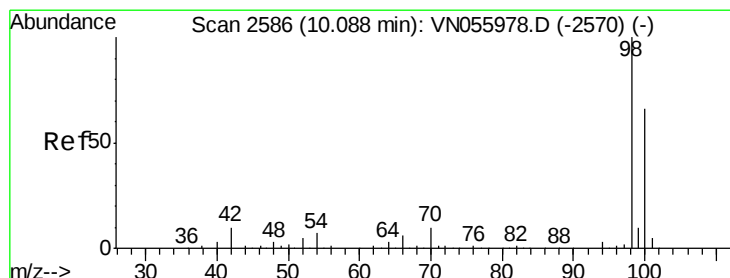
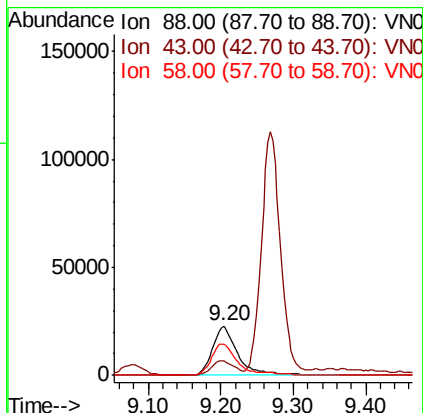
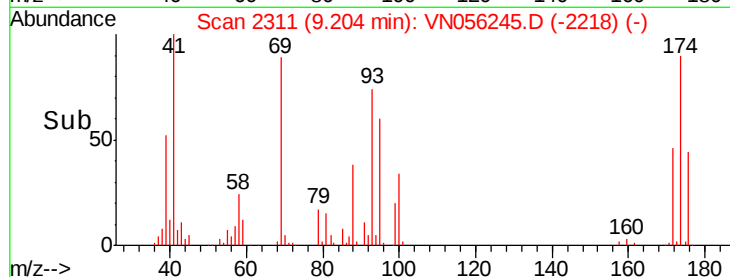
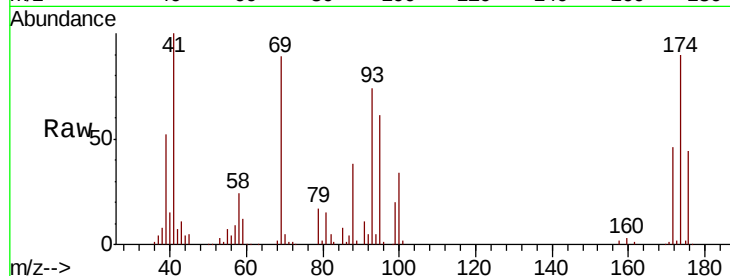
Tot Ion: 88 Resp: 55316

Ion Ratio Lower Upper

88 100

43 25.6 20.5 30.7

58 61.9 55.8 83.6



#50

Toluene-d8

Concen: 48.768 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056245.D

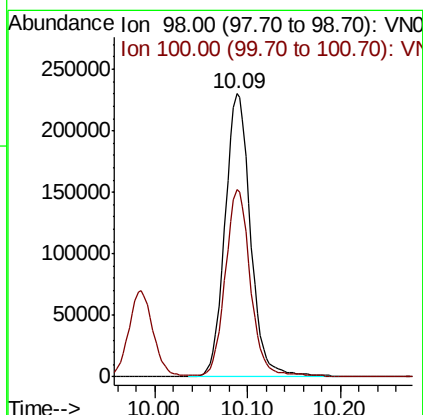
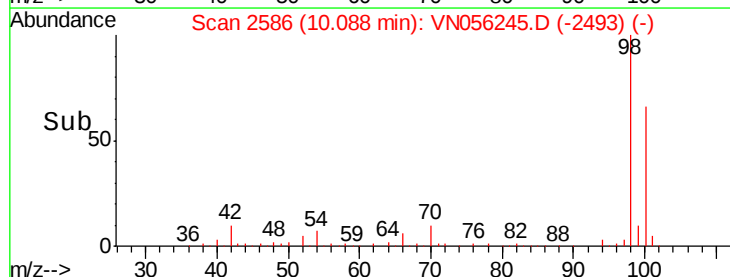
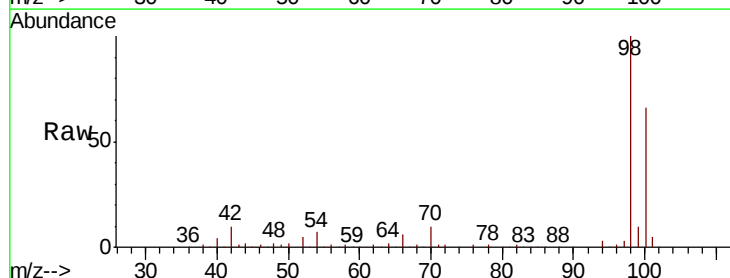
Acq: 12 Jun 2019 13:36

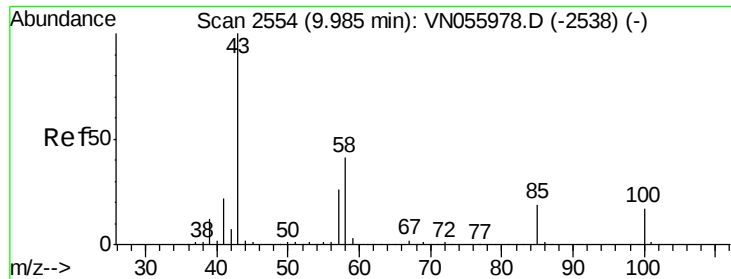
Tgt Ion: 98 Resp: 440373

Ion Ratio Lower Upper

98 100

100 65.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 271.410 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

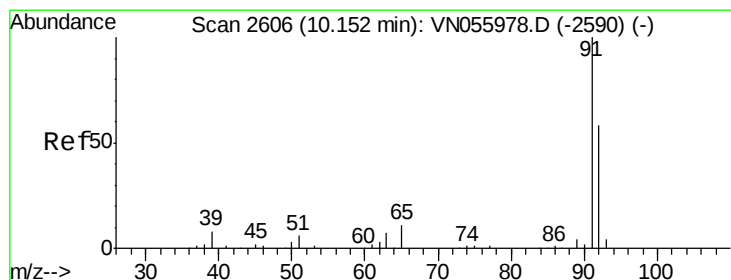
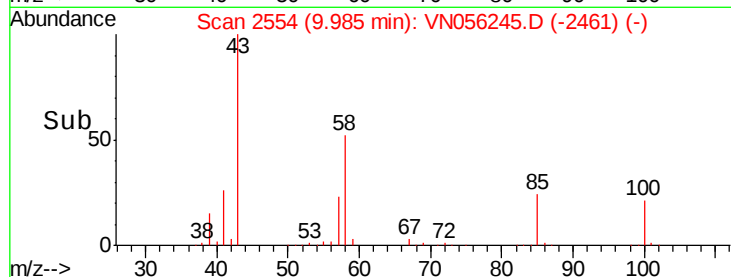
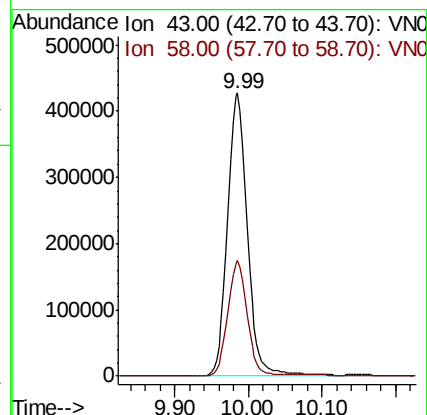
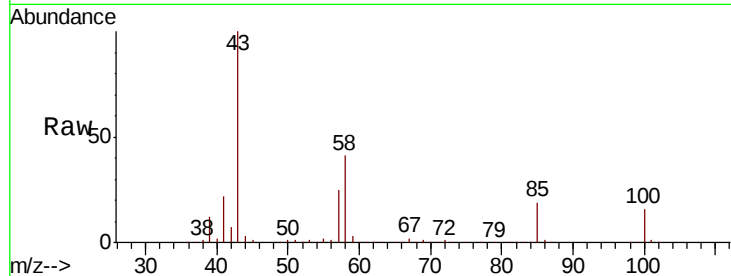
VSTDCCC050

Tot Ion: 43 Resp: 804831

Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1



#52

Toluene

Concen: 52.408 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056245.D

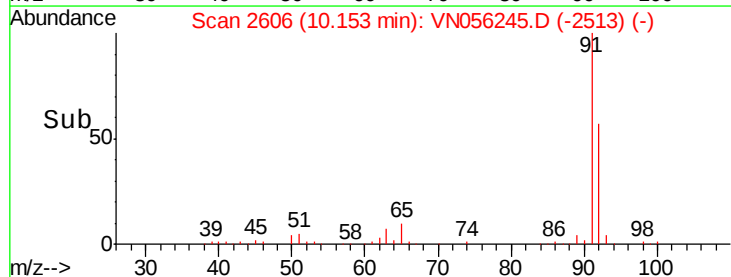
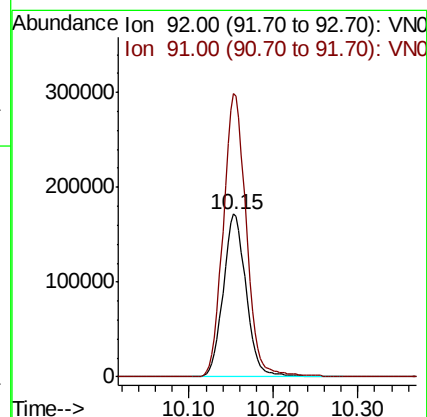
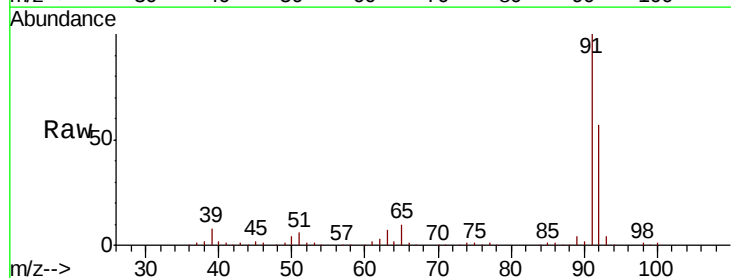
Acq: 12 Jun 2019 13:36

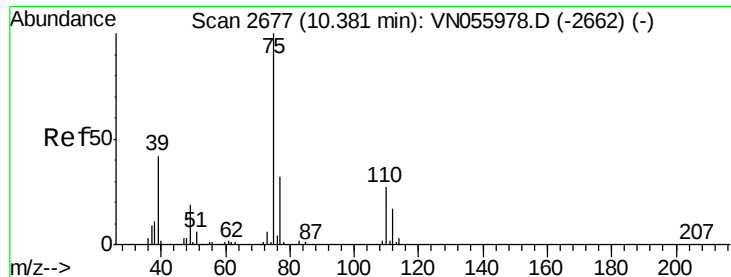
Tgt Ion: 92 Resp: 325752

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 48.639 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

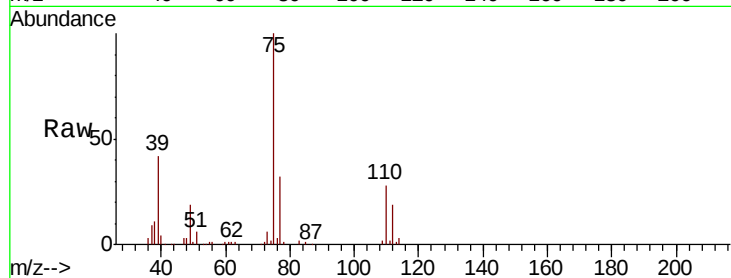
VSTDCCC050

Tot Ion: 75 Resp: 172679

Ion Ratio Lower Upper

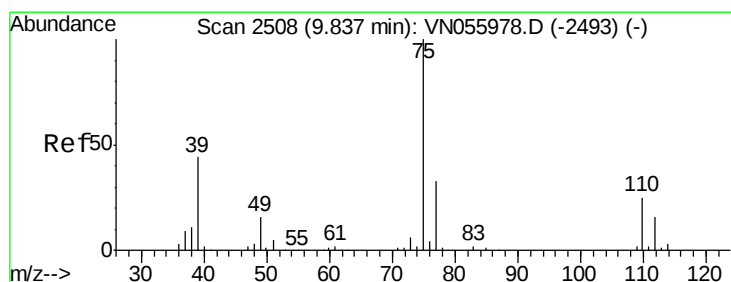
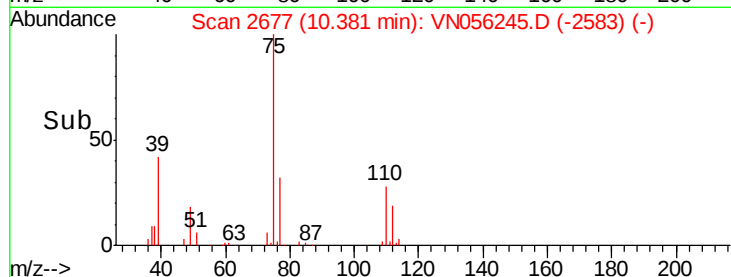
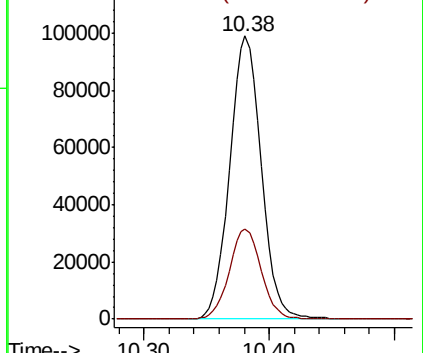
75 100

77 31.6 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: 55.343 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

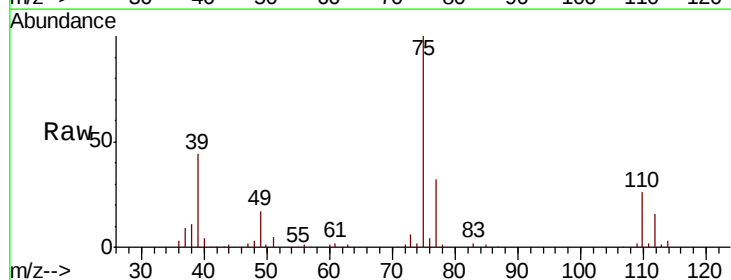
Tgt Ion: 75 Resp: 201723

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

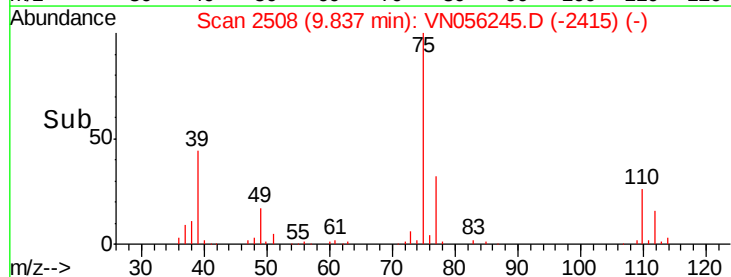
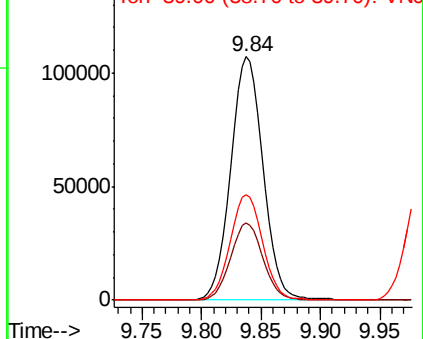
39 43.4 36.3 54.5

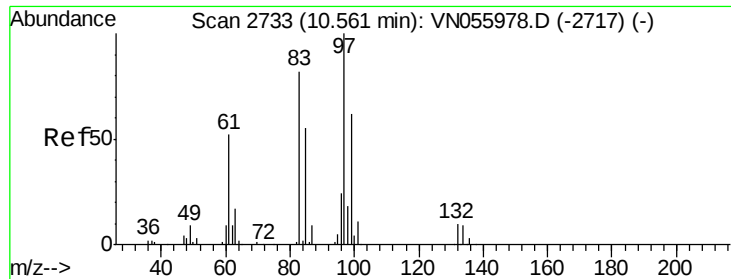


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

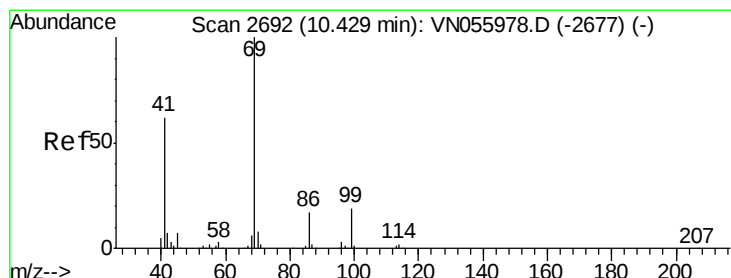
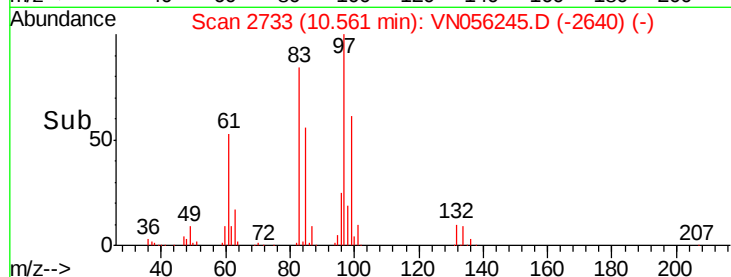
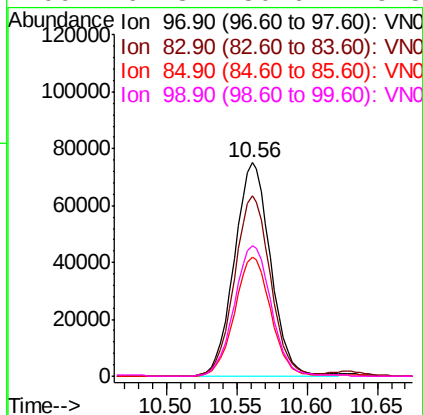
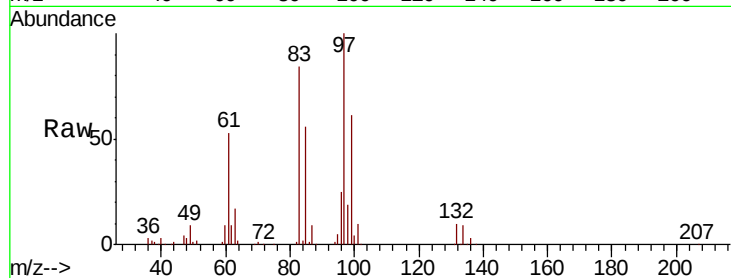




#55
 1,1,2-Trichloroethane
 Concen: 54.938 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

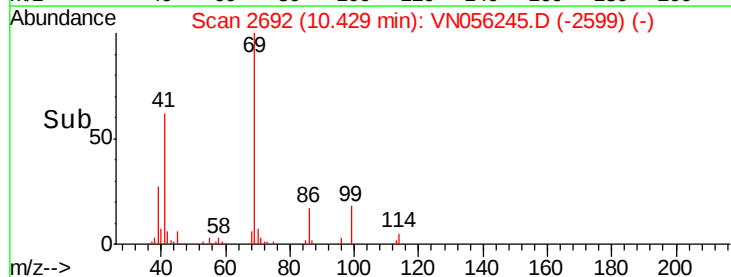
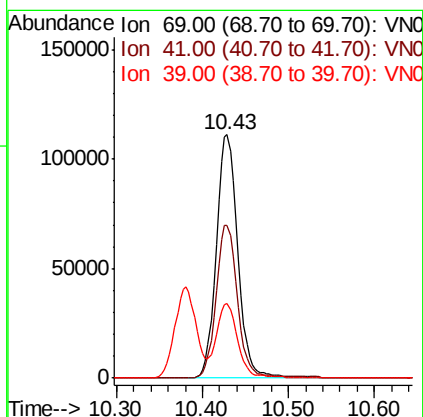
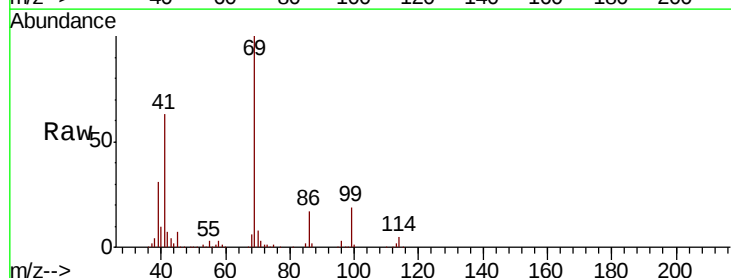
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

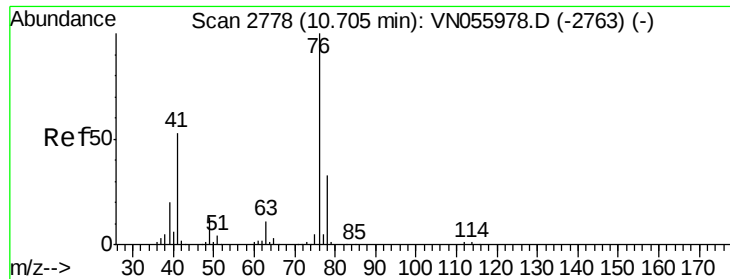
Tot Ion:	97	Resp:	135266
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.0	100.6
85	56.0	44.0	66.0
99	61.3	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 54.160 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion:	69	Resp:	194544
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.7	74.5
39	29.9	24.7	37.1





#57

1,3-Dichloropropane

Concen: 53.752 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

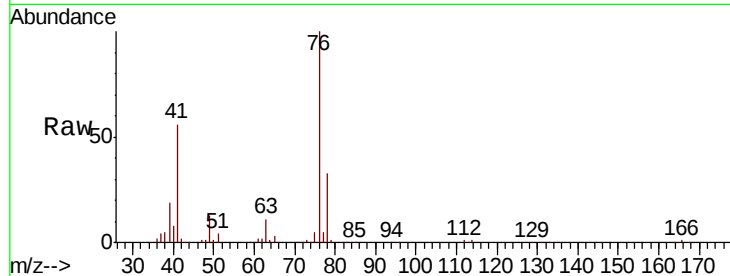
VSTDCCC050

Tot Ion: 76 Resp: 215145

Ion Ratio Lower Upper

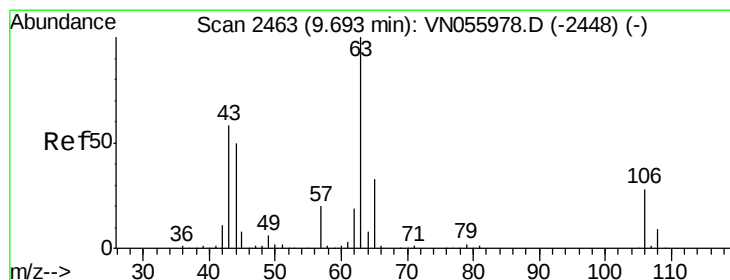
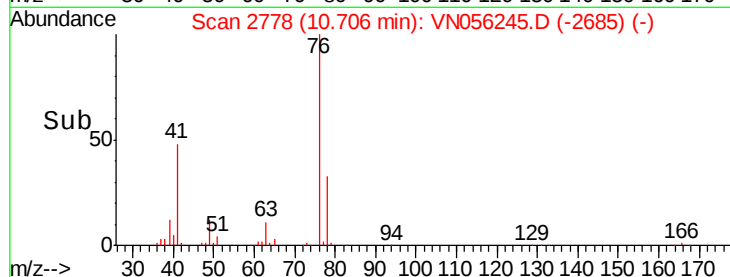
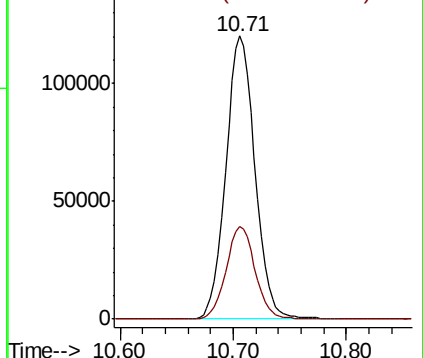
76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 228.166 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056245.D

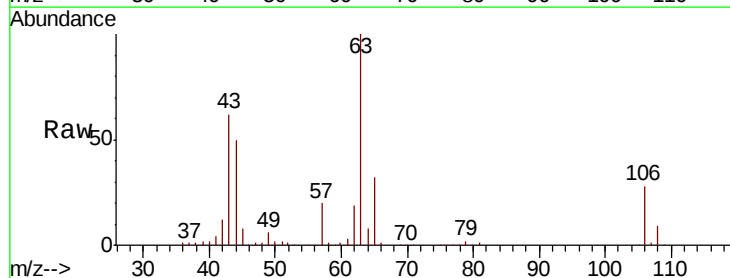
Acq: 12 Jun 2019 13:36

Tgt Ion: 63 Resp: 322981

Ion Ratio Lower Upper

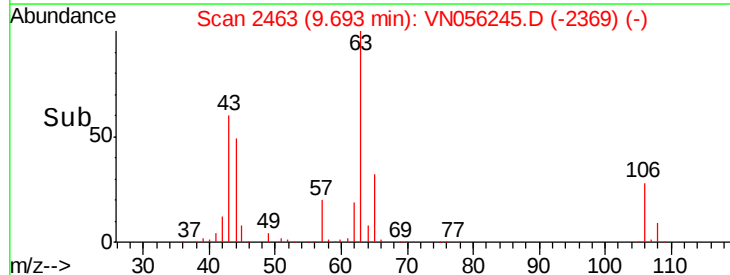
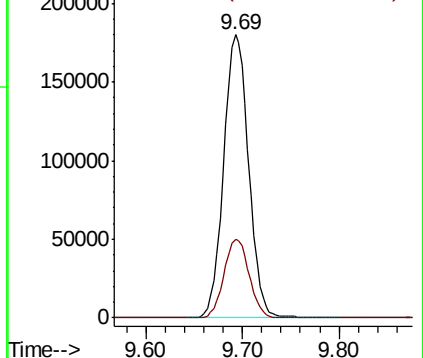
63 100

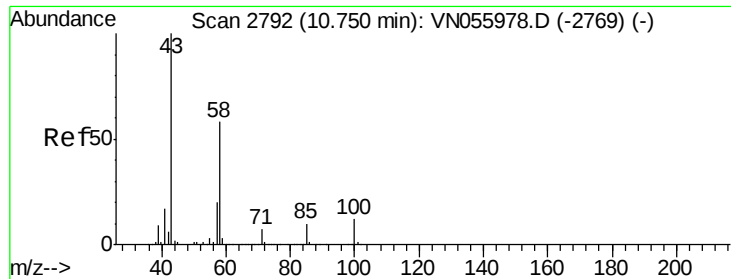
106 28.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

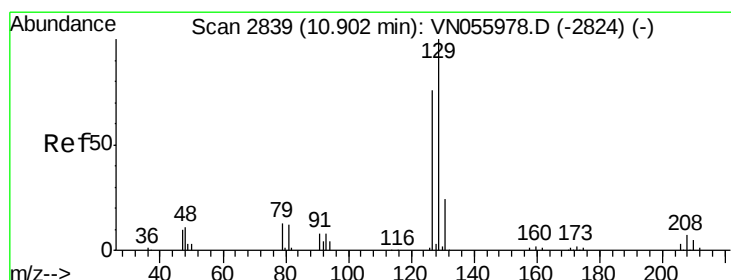
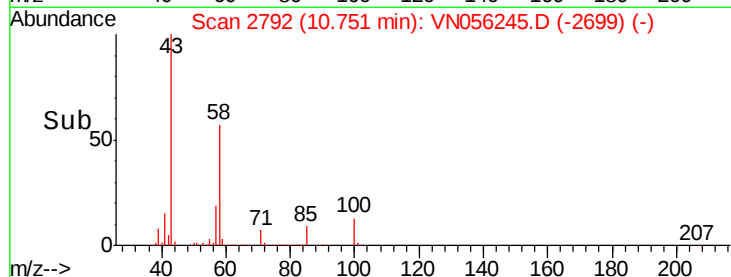
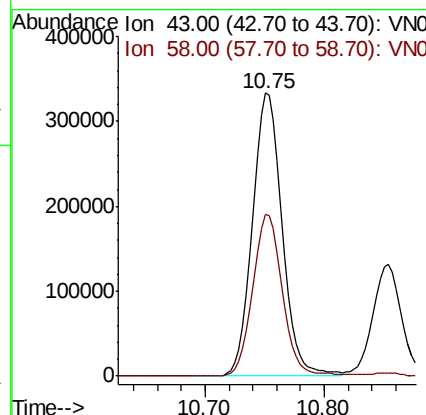
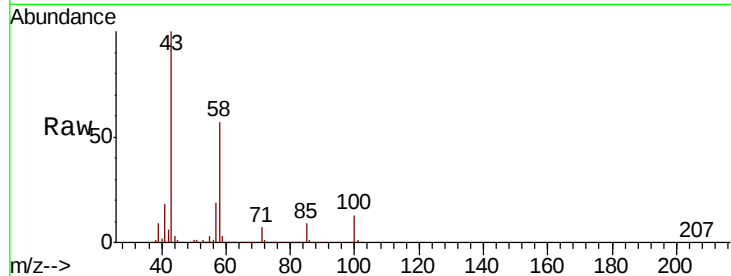




#59
2-Hexanone
Concen: 268.756 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

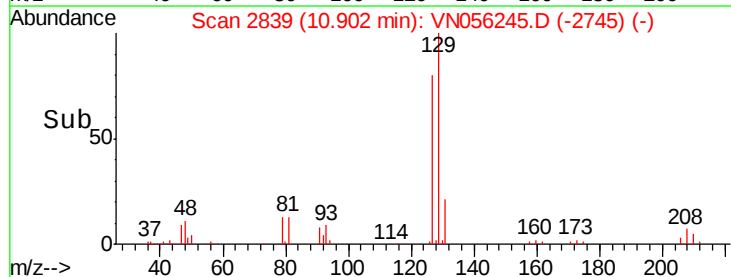
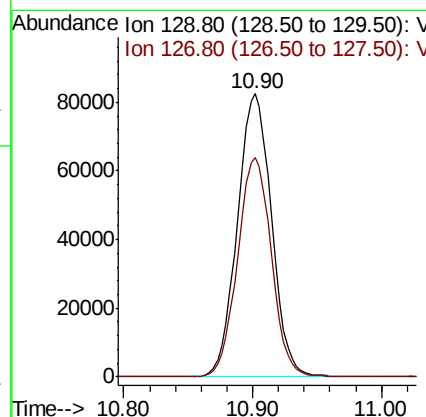
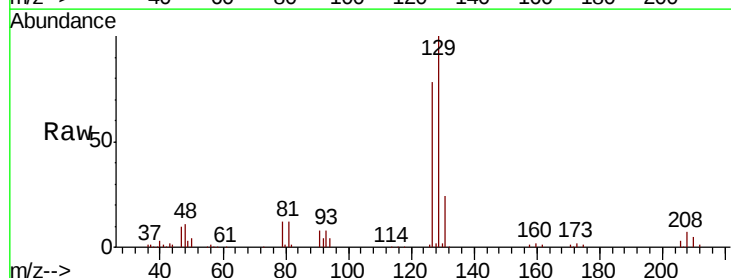
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 577618
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.7



#60
Dibromochloromethane
Concen: 55.610 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 129 Resp: 151795
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 55.084 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

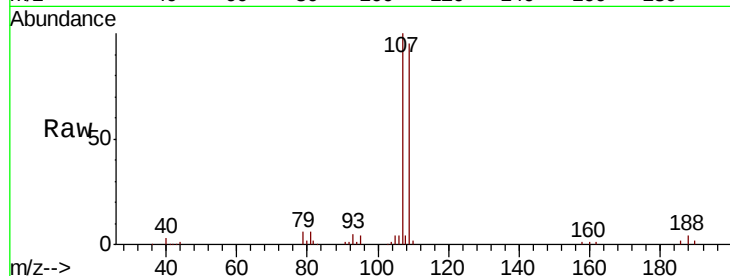
VSTDCCC050

Tot Ion: 107 Resp: 138650

Ion Ratio Lower Upper

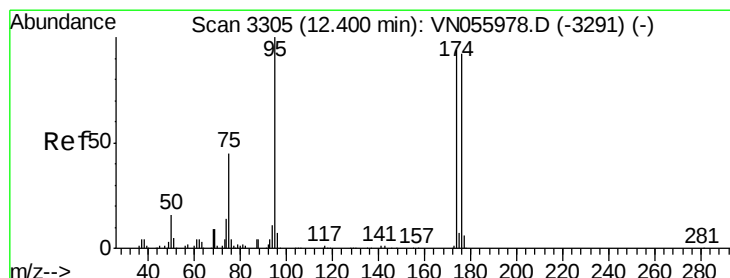
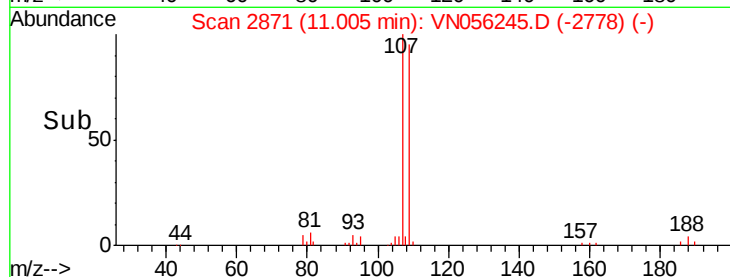
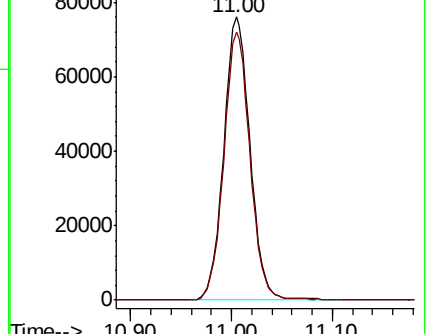
107 100

109 93.7 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: 51.791 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

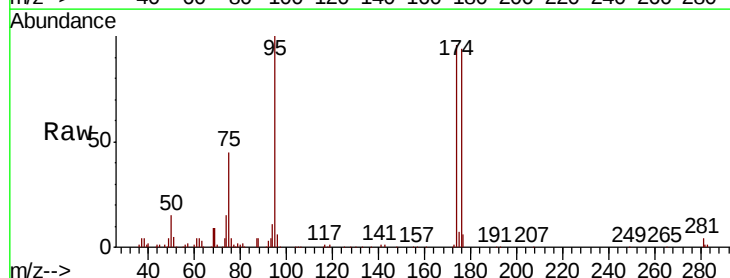
Tgt Ion: 95 Resp: 159043

Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.0

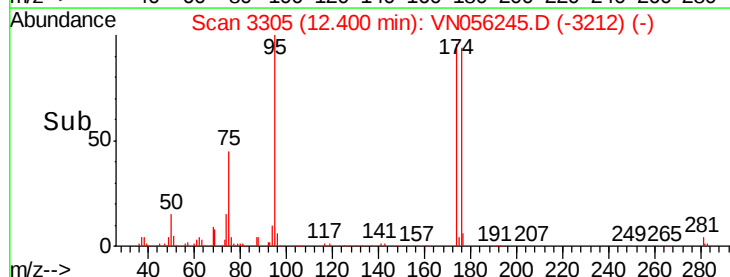
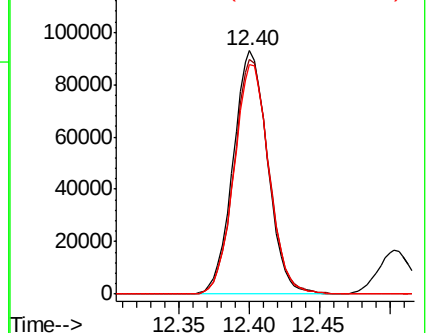
176 95.3 0.0 185.2

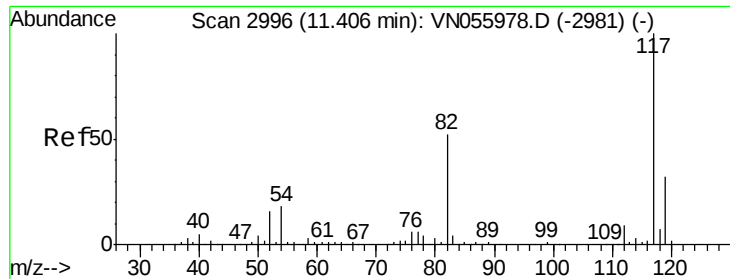


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

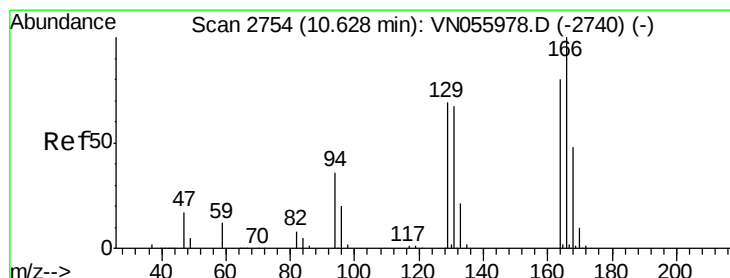
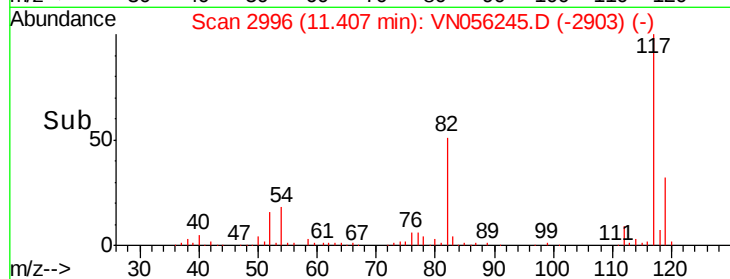
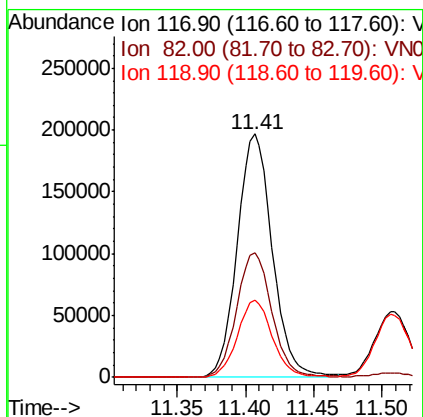
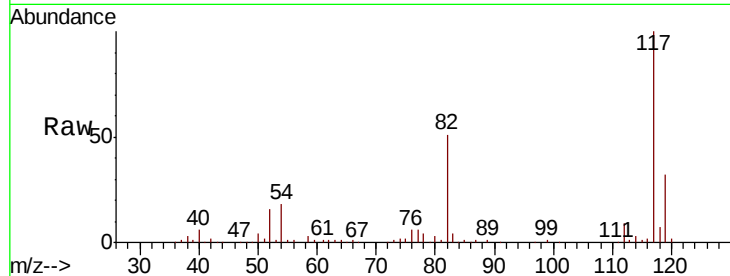




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

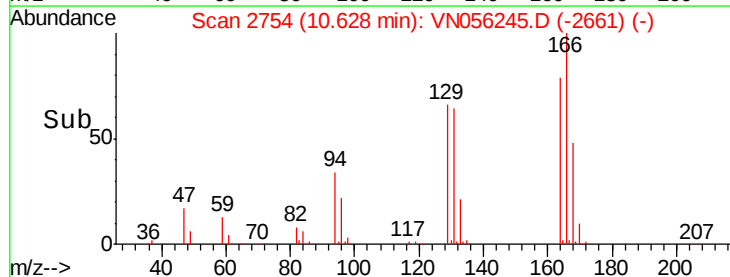
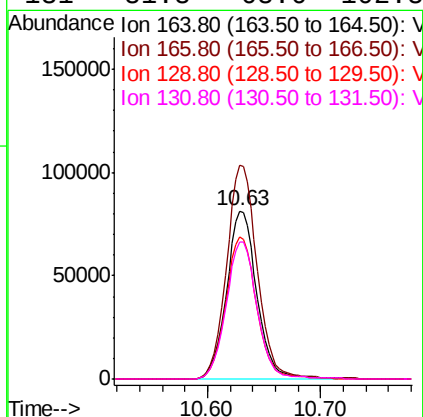
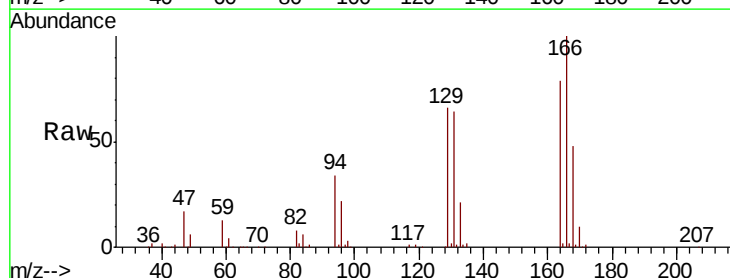
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:117 Resp: 351960
Ion Ratio Lower Upper
117 100
82 51.3 41.8 62.8
119 31.6 25.4 38.0



#64
Tetrachloroethene
Concen: 49.557 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion:164 Resp: 150982
Ion Ratio Lower Upper
164 100
166 127.3 103.0 154.6
129 84.4 70.6 105.8
131 81.8 68.6 102.8

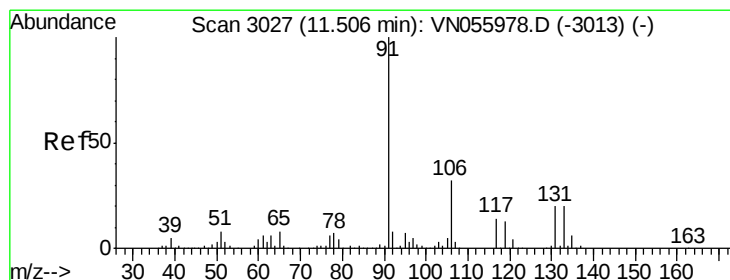
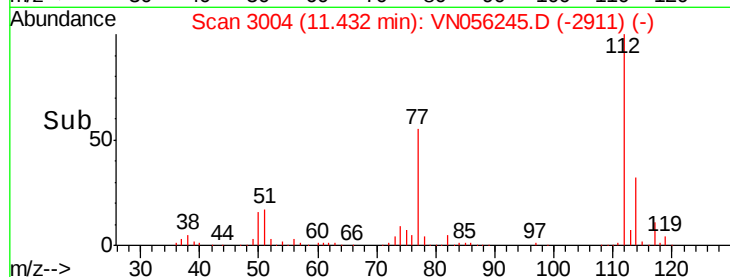
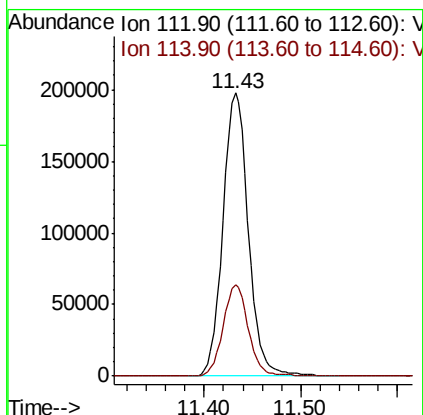
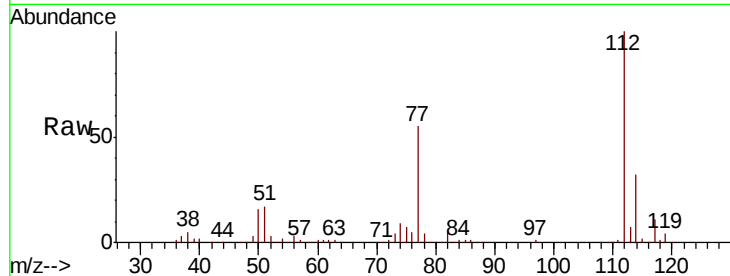




#65
Chlorobenzene
Concen: 51.495 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

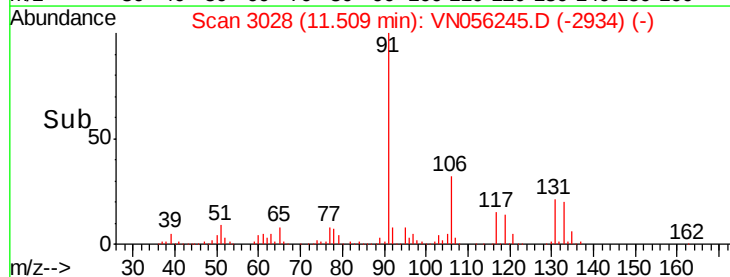
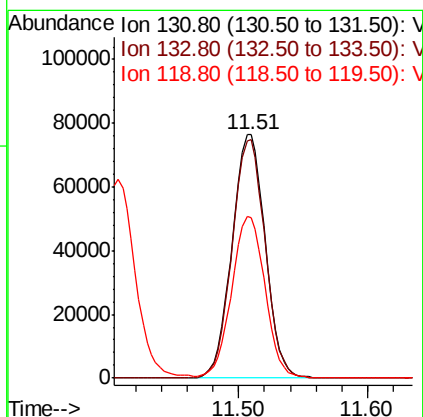
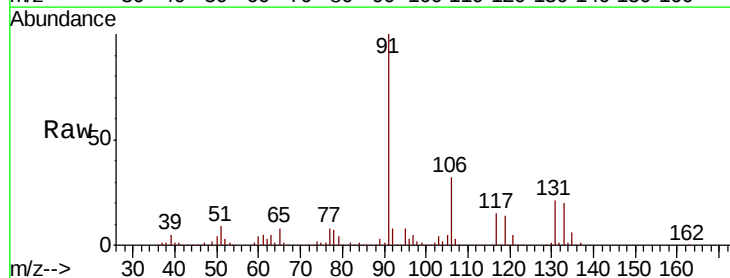
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

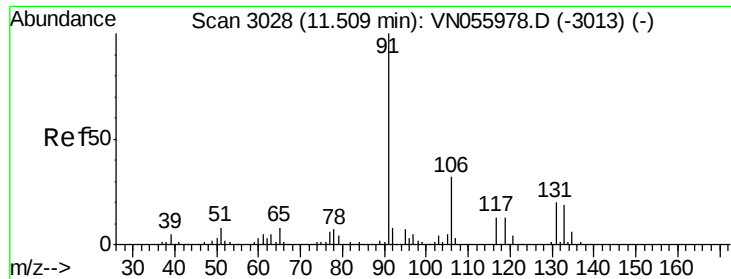
Tot Ion:112 Resp: 360705
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.485 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion:131 Resp: 136618
Ion Ratio Lower Upper
131 100
133 97.6 48.0 144.0
119 67.0 33.1 99.5

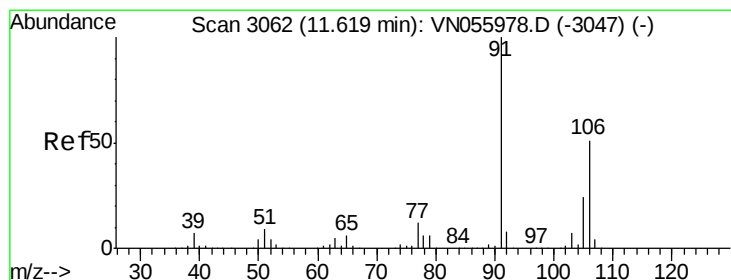
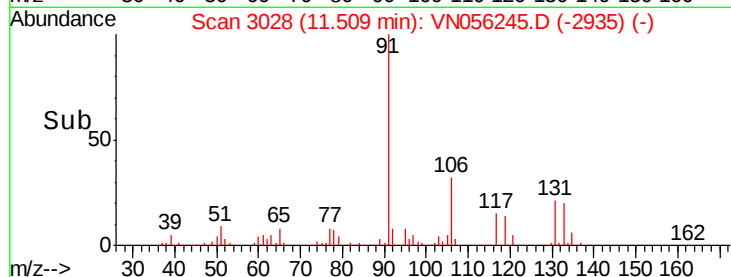
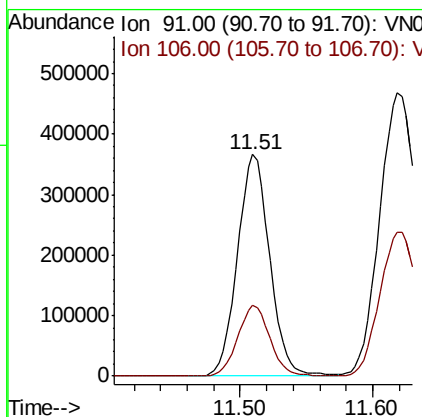
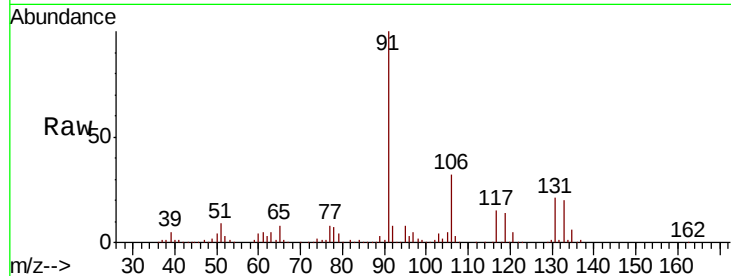




#67
Ethyl Benzene
Concen: 50.859 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

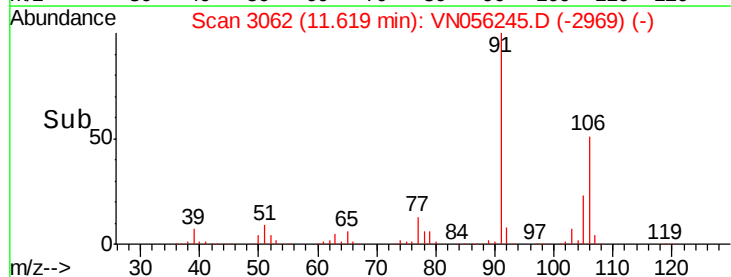
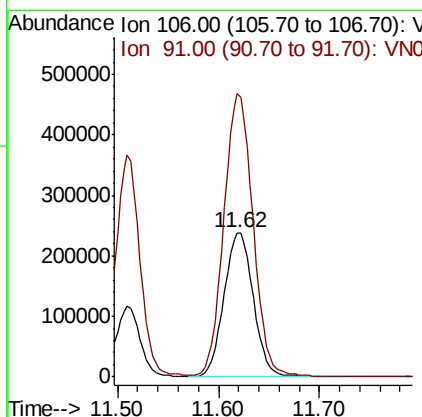
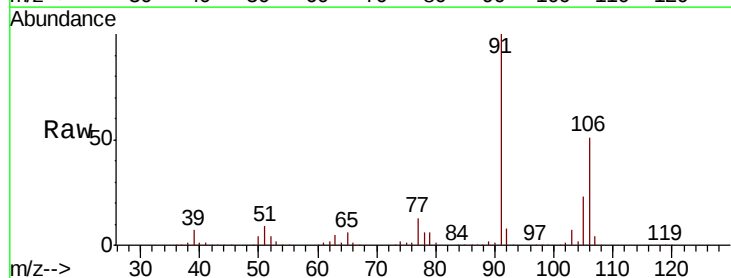
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

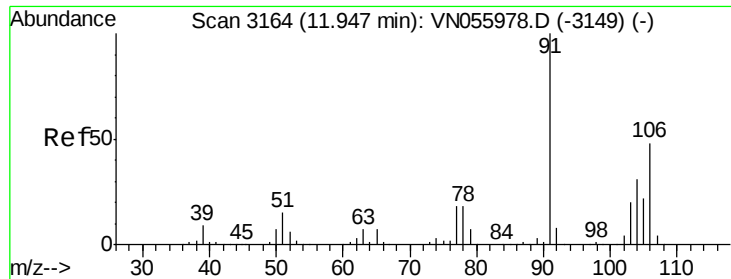
Tot Ion: 91 Resp: 619461
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 104.136 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 106 Resp: 484535
Ion Ratio Lower Upper
106 100
91 195.5 159.3 238.9

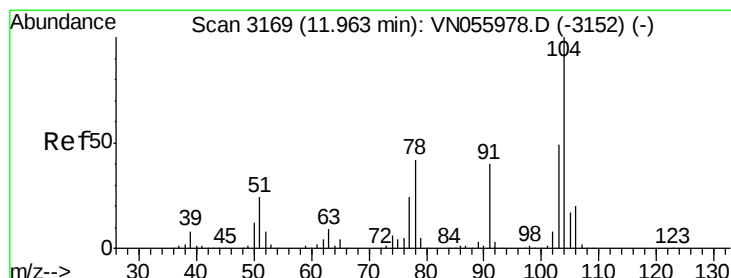
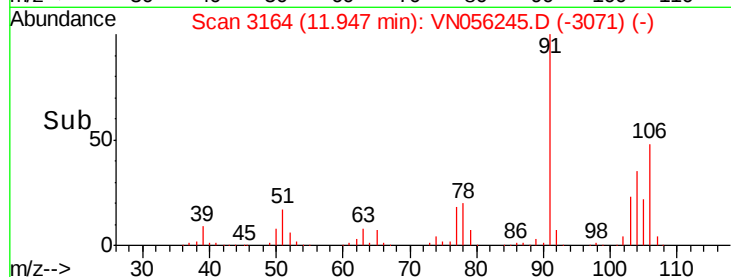
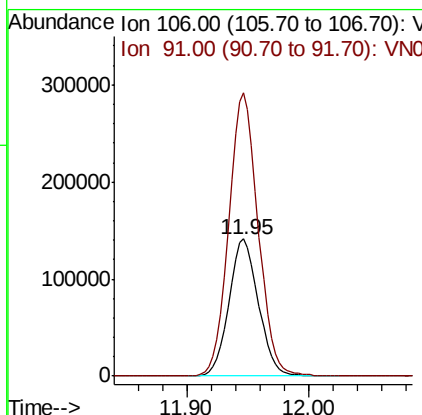
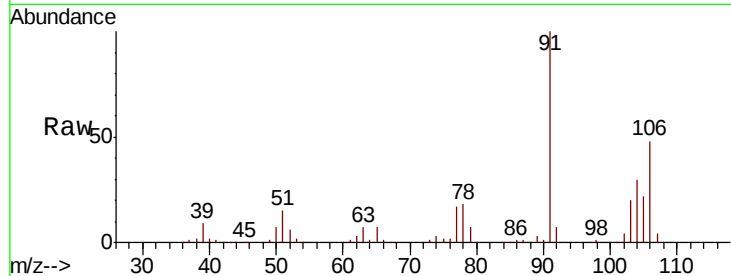




#69
o-Xylene
Concen: 51.795 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

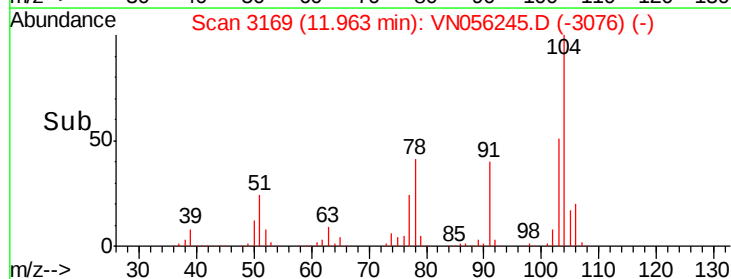
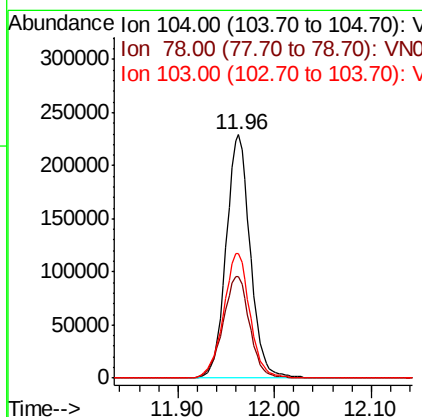
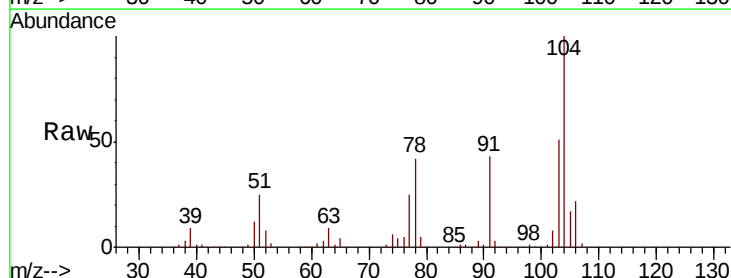
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 237059
Ion Ratio Lower Upper
106 100
91 206.3 104.7 314.1



#70
Styrene
Concen: 54.446 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion:104 Resp: 395934
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 55.9 44.2 66.2

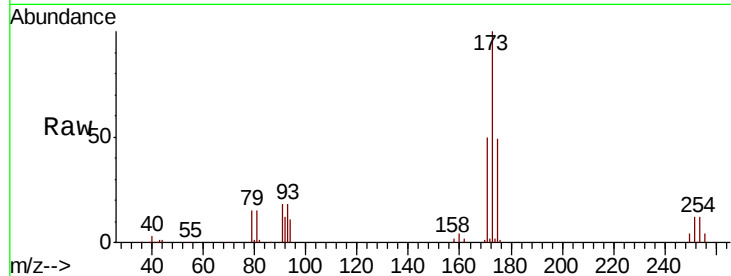




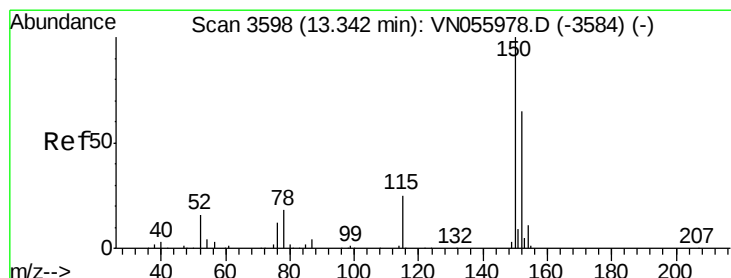
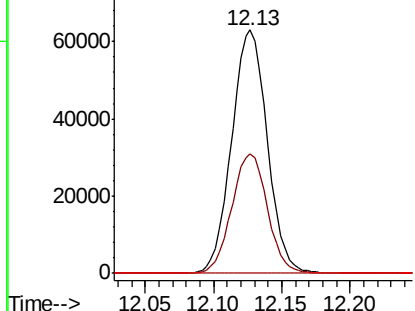
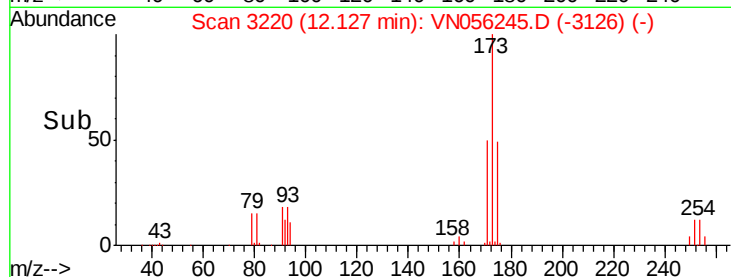
#71
Bromoform
Concen: 56.034 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 114492
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.0 0.0 0.0

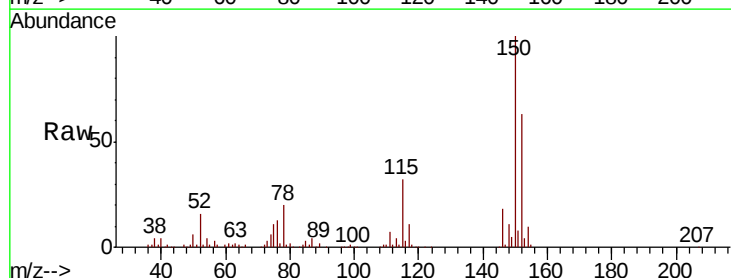


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

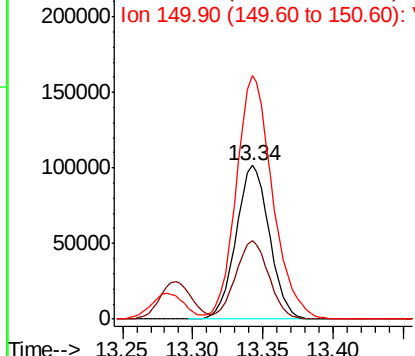
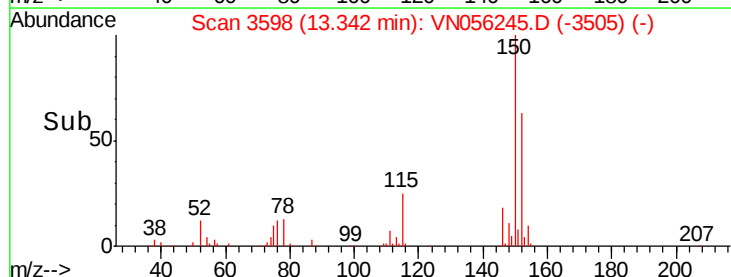


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion:152 Resp: 168340
Ion Ratio Lower Upper
152 100
115 51.0 27.0 81.0
150 172.4 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: 51.787 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

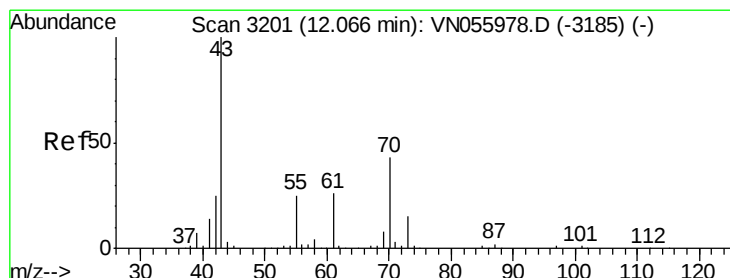
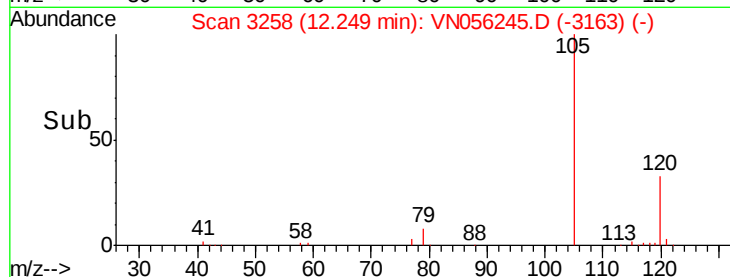
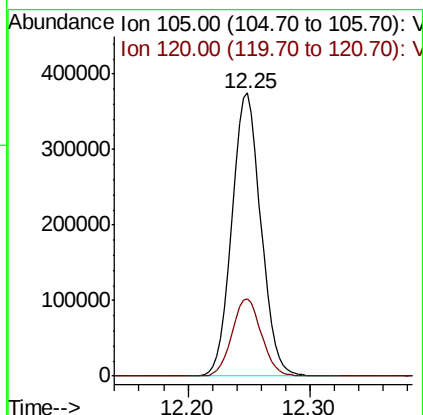
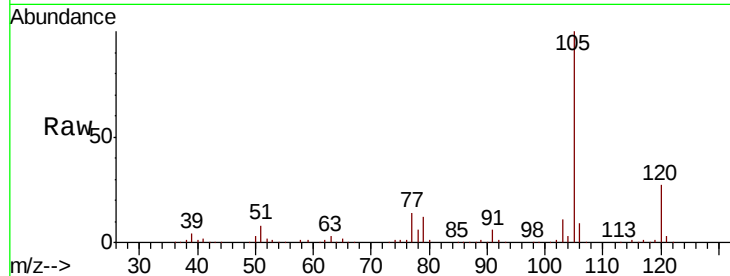
VSTDCCC050

Tot Ion:105 Resp: 620368

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 46.740 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion: 43 Resp: 209739

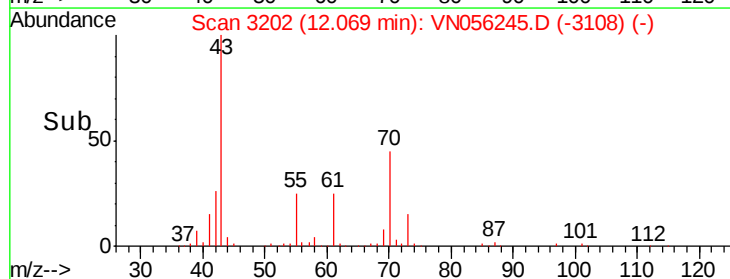
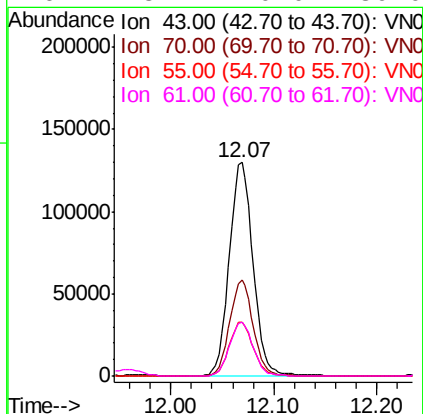
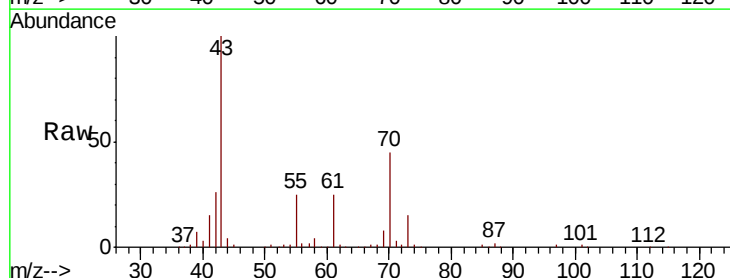
Ion Ratio Lower Upper

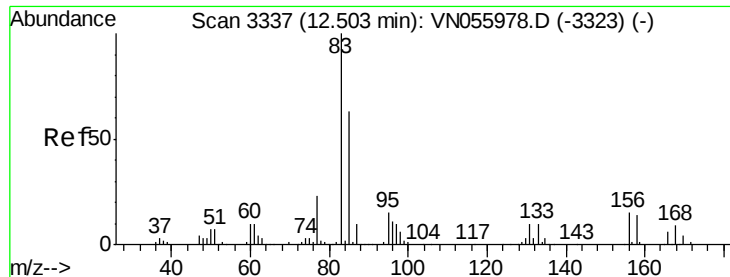
43 100

70 44.3 34.0 51.0

55 25.5 18.6 28.0

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.074 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

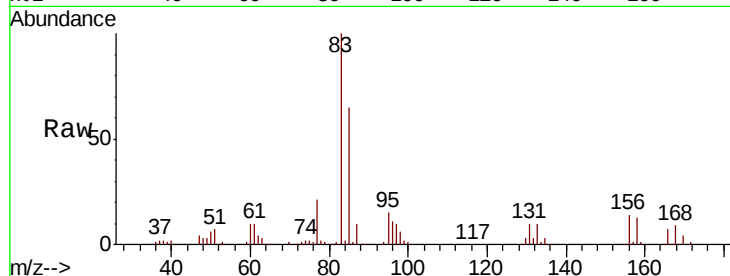
Tot Ion: 83 Resp: 187867

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

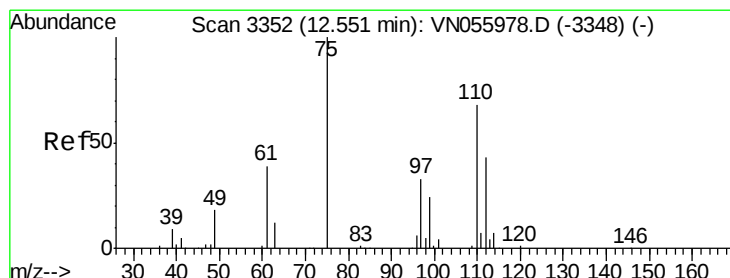
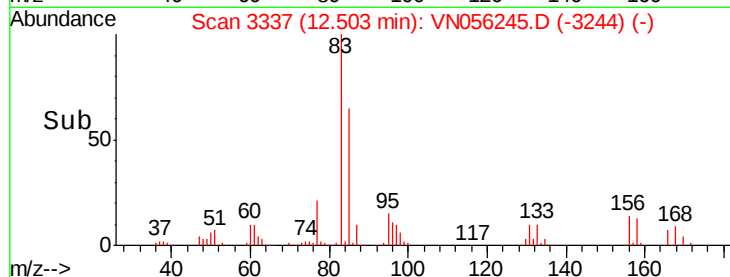
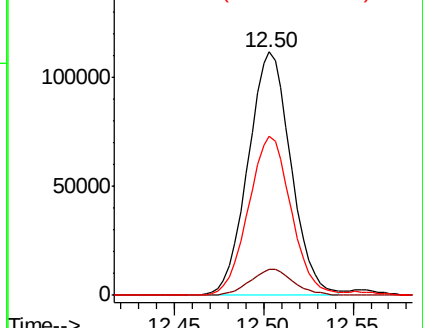
85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 69.447 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056245.D

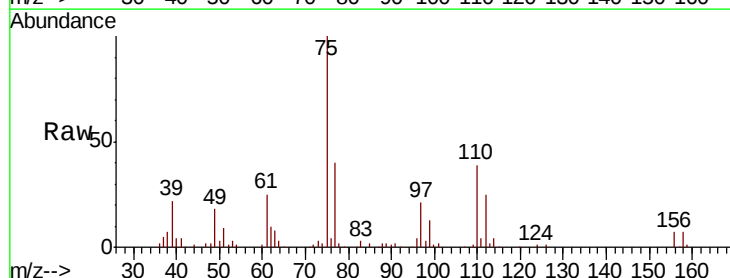
Acq: 12 Jun 2019 13:36

Tgt Ion: 75 Resp: 215114

Ion Ratio Lower Upper

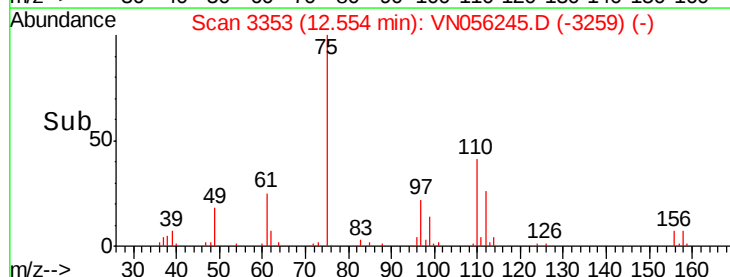
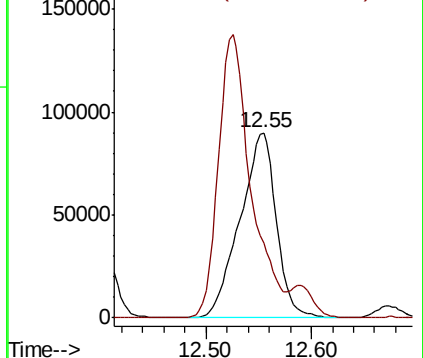
75 100

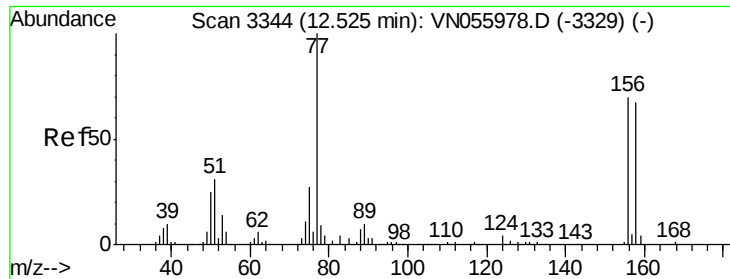
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)





#77

Bromobenzene

Concen: 48.057 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

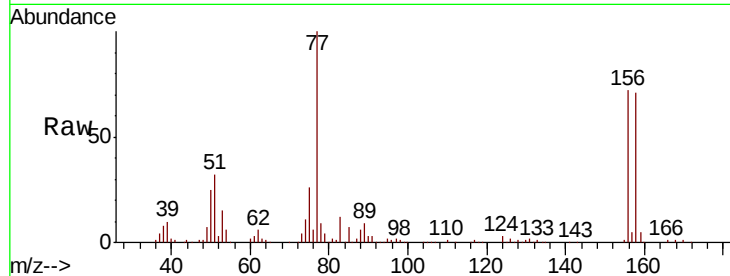
Tot Ion:156 Resp: 173205

Ion Ratio Lower Upper

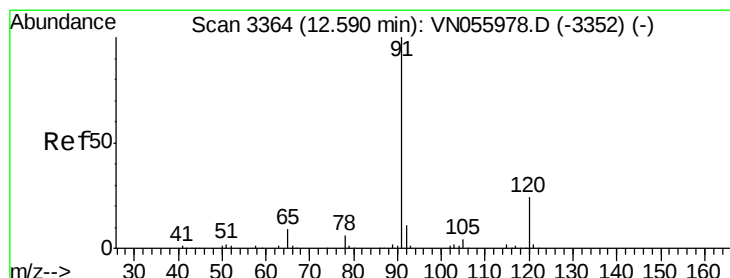
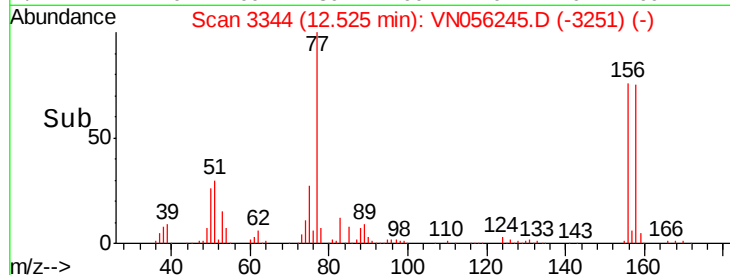
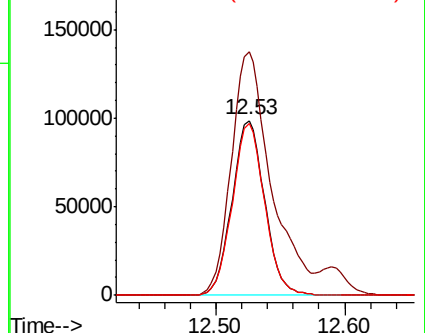
156 100

77 171.2 90.8 272.5

158 97.6 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: 47.132 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056245.D

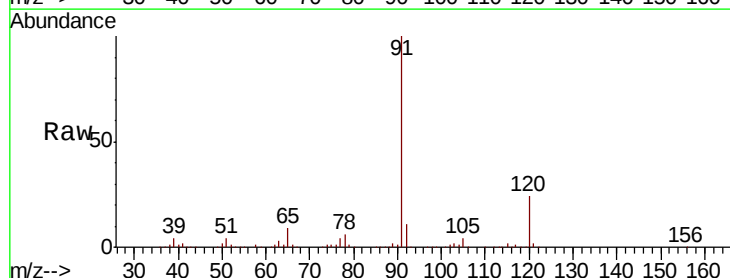
Acq: 12 Jun 2019 13:36

Tgt Ion: 91 Resp: 671224

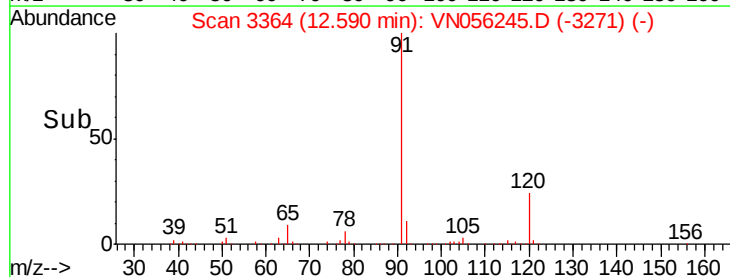
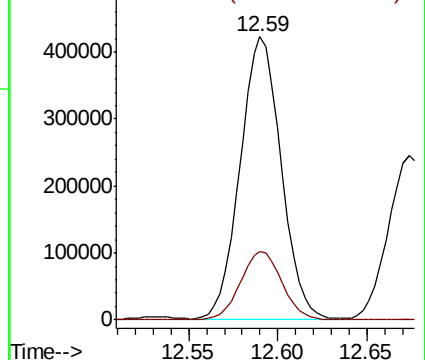
Ion Ratio Lower Upper

91 100

120 24.6 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: 51.960 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

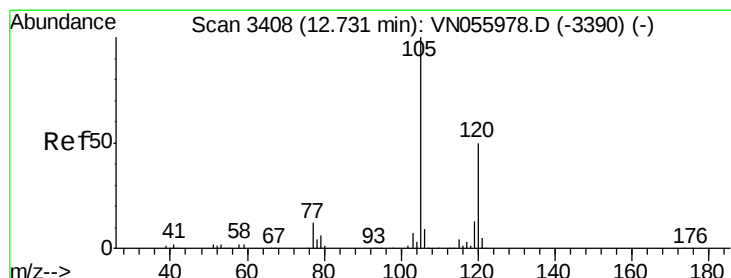
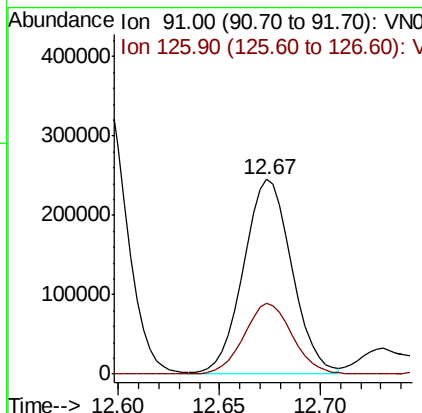
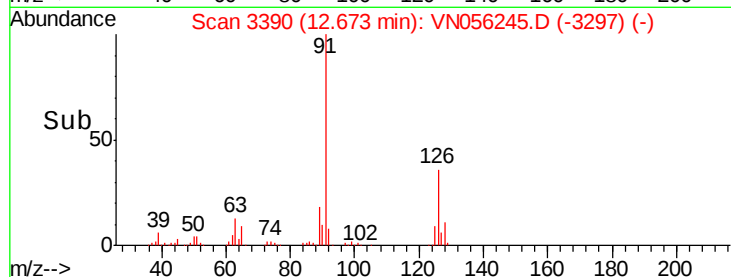
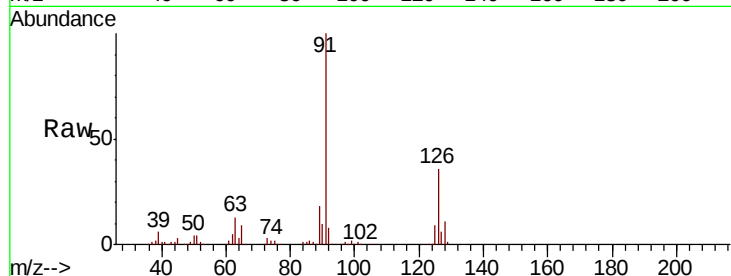
VSTDCCC050

Tot Ion: 91 Resp: 409726

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 46.168 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056245.D

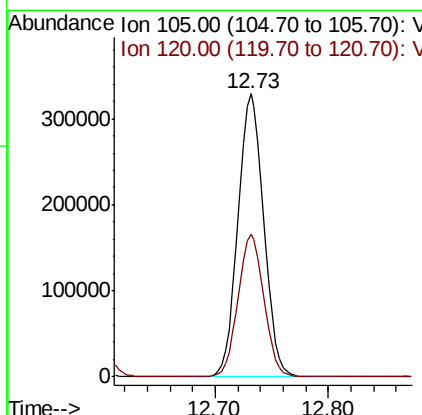
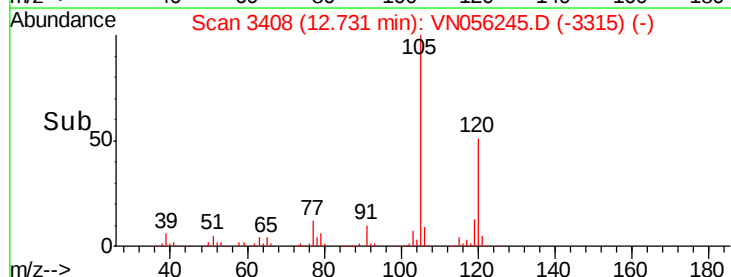
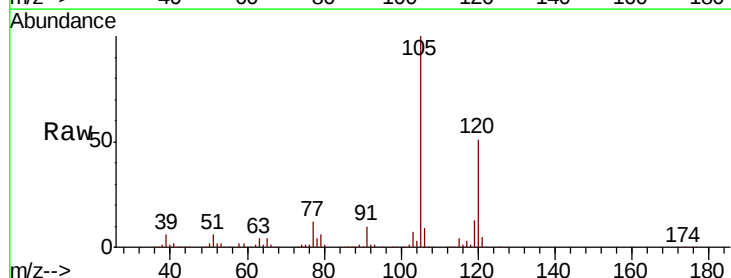
Acq: 12 Jun 2019 13:36

Tgt Ion: 105 Resp: 522549

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1

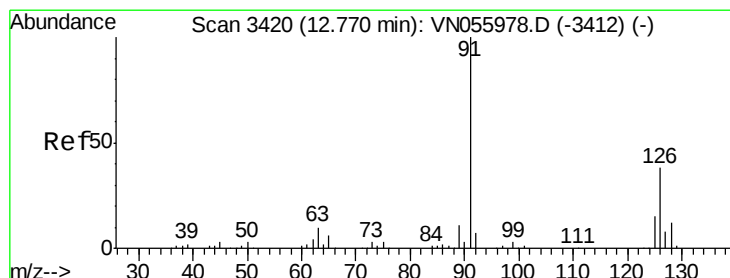
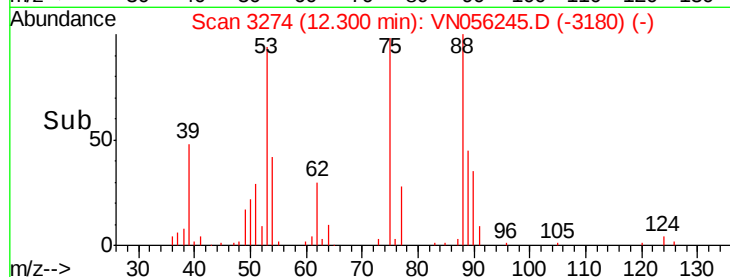
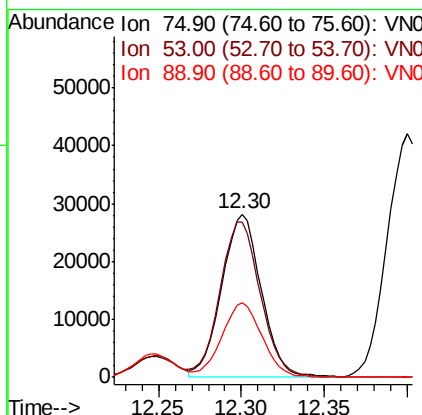
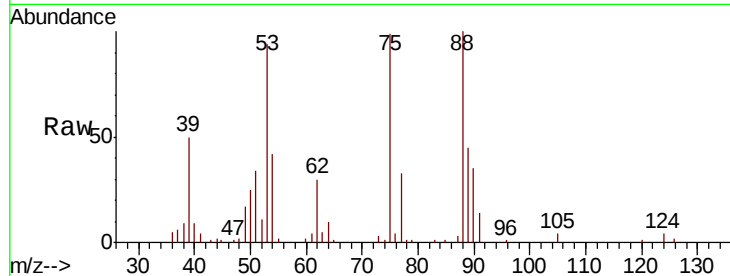




#81
trans-1,4-Dichloro-2-butene
Concen: 50.582 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

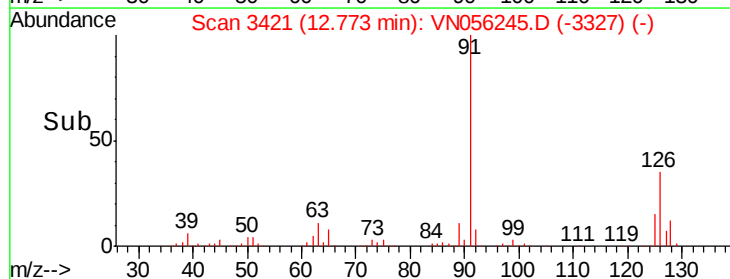
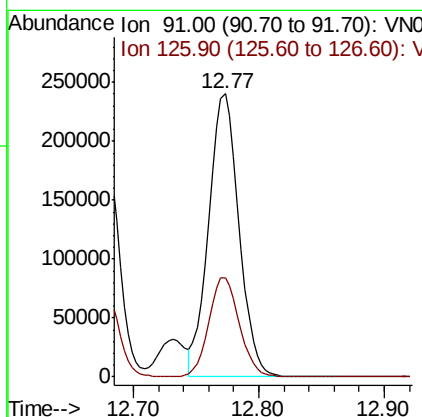
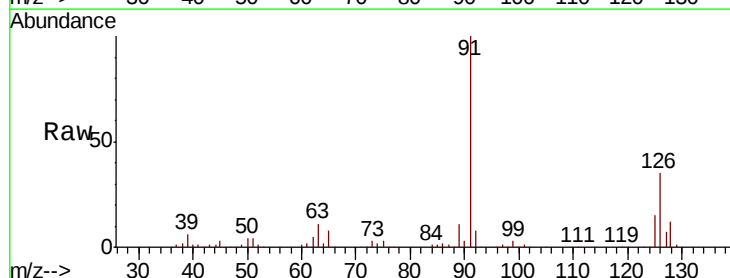
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

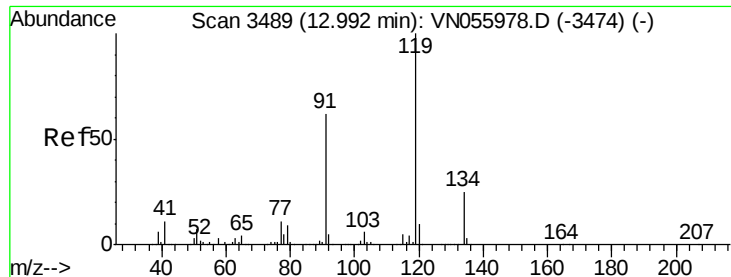
Tot Ion: 75 Resp: 47048
Ion Ratio Lower Upper
75 100
53 95.7 68.1 102.1
89 46.0 36.9 55.3



#82
4-Chlorotoluene
Concen: 48.233 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 91 Resp: 401870
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3

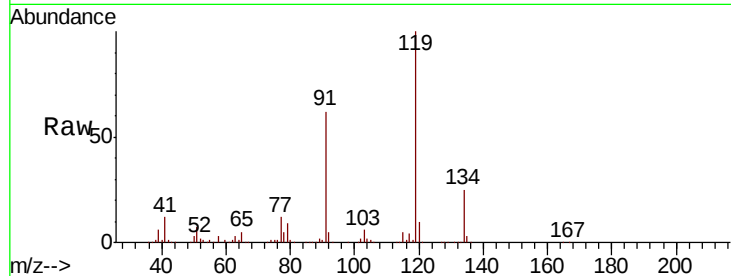




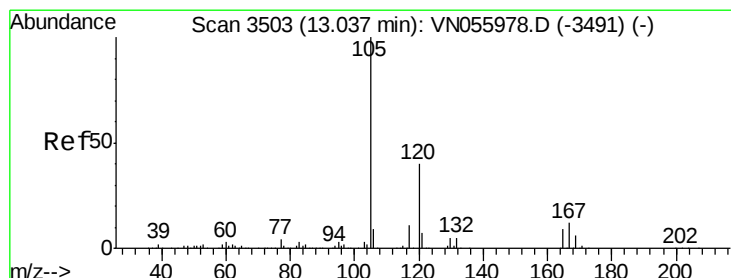
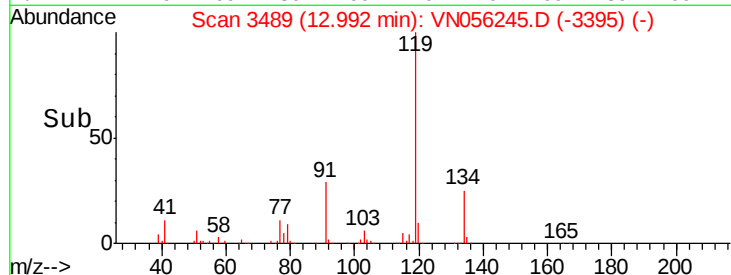
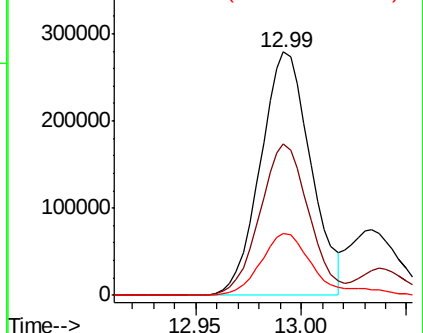
#83
tert-Butylbenzene
Concen: 52.738 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 461831
Ion Ratio Lower Upper
119 100
91 60.8 30.9 92.8
134 27.1 13.3 39.8

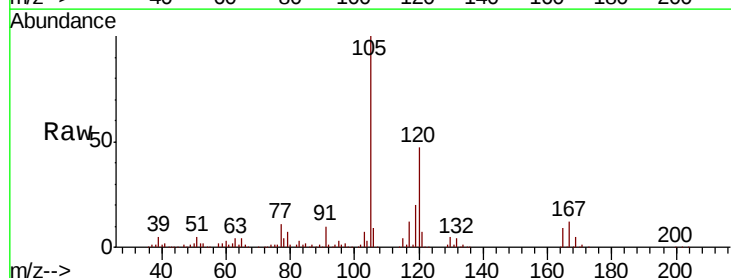


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

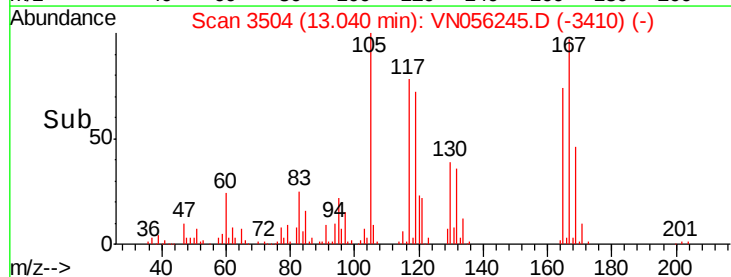
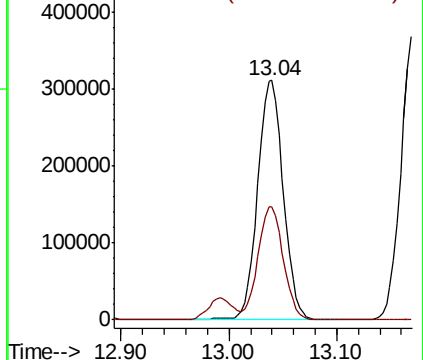


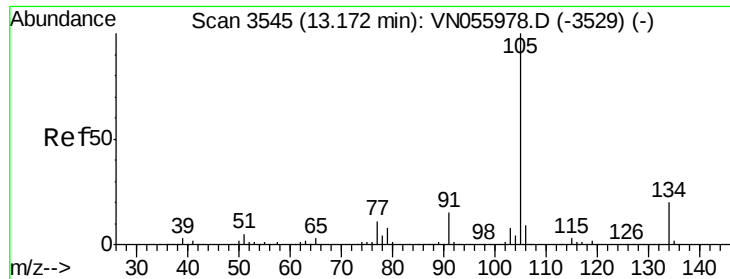
#84
1,2,4-Trimethylbenzene
Concen: 47.748 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion:105 Resp: 512497
Ion Ratio Lower Upper
105 100
120 46.8 23.0 69.0



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

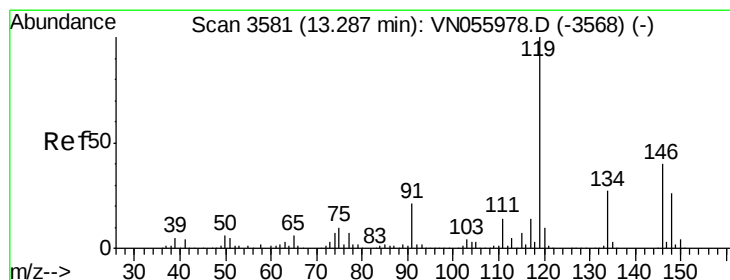
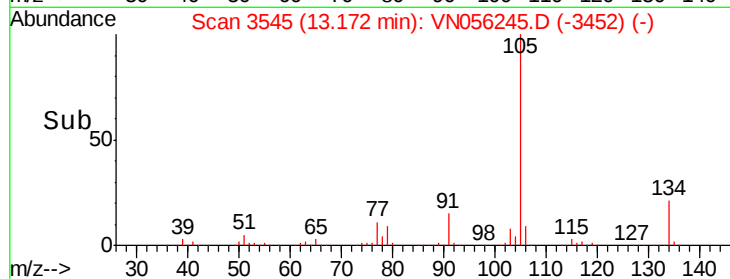
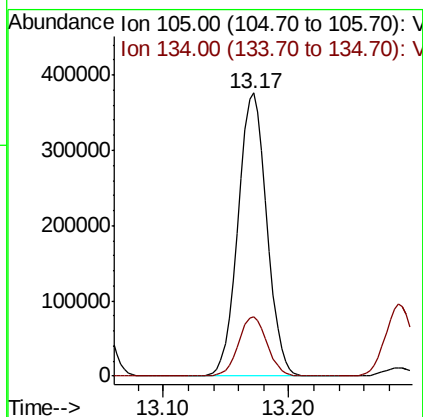
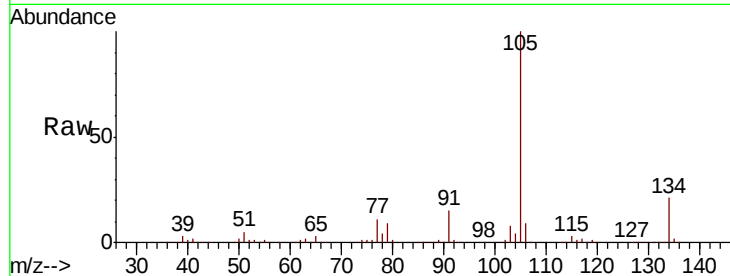




#85
 sec-Butylbenzene
 Concen: 47.424 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

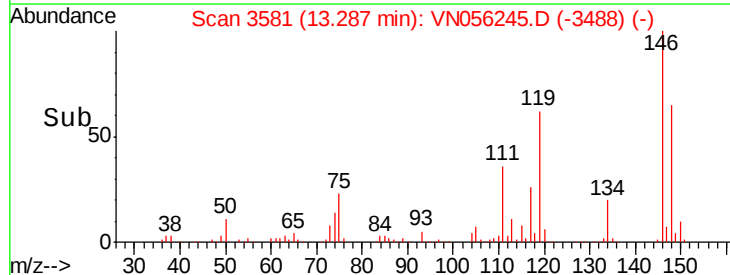
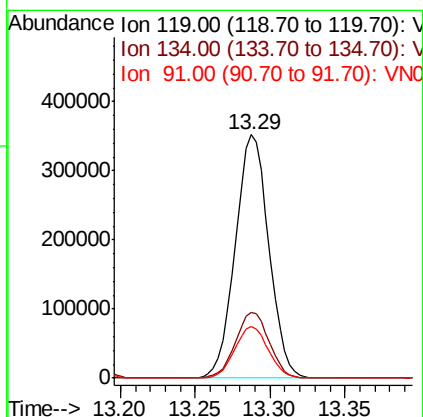
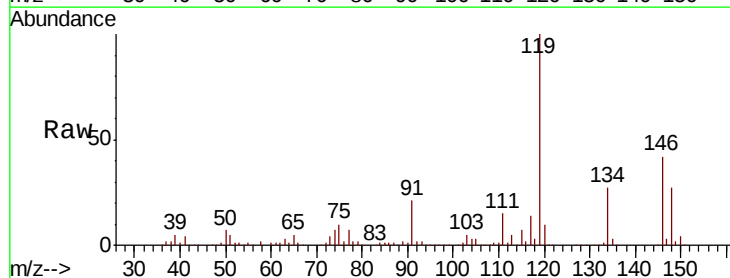
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

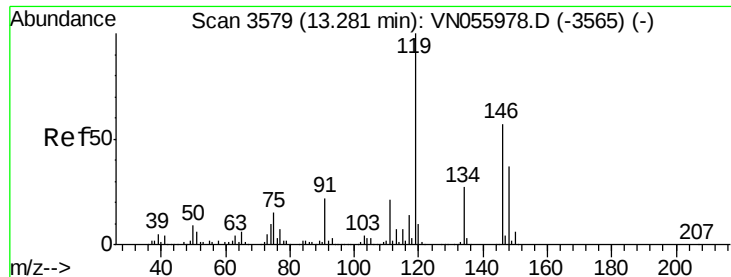
Tot Ion:105 Resp: 598114
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 48.412 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion:119 Resp: 546450
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.1
 91 21.4 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 50.758 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

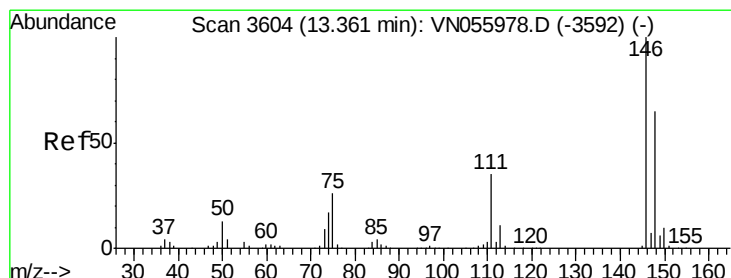
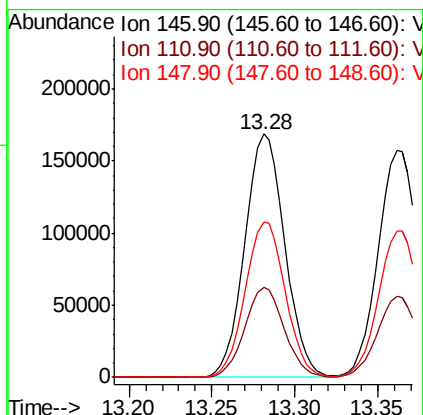
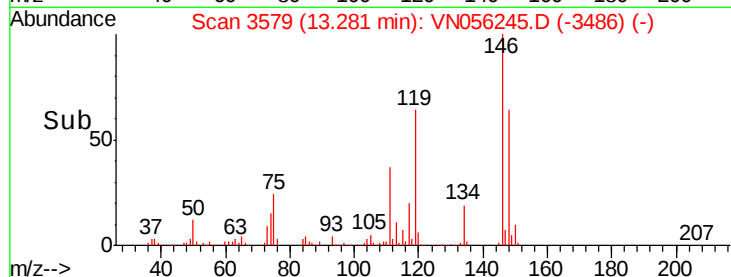
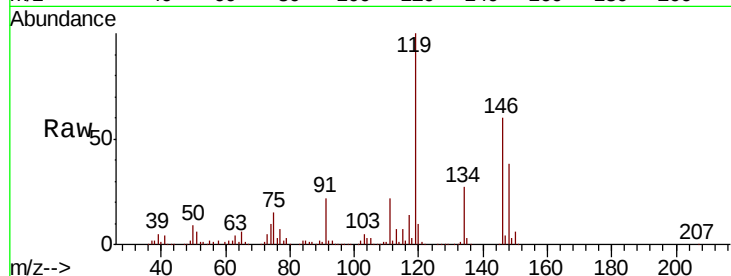
Tot Ion:146 Resp: 283136

Ion Ratio Lower Upper

146 100

111 36.4 18.5 55.5

148 64.0 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 50.272 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

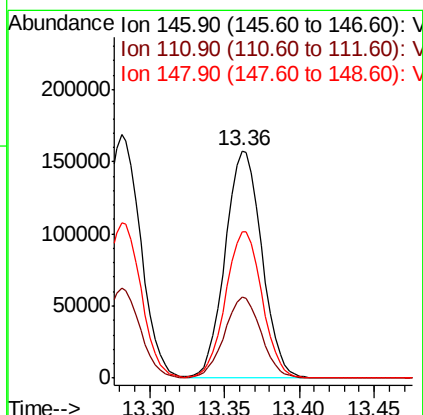
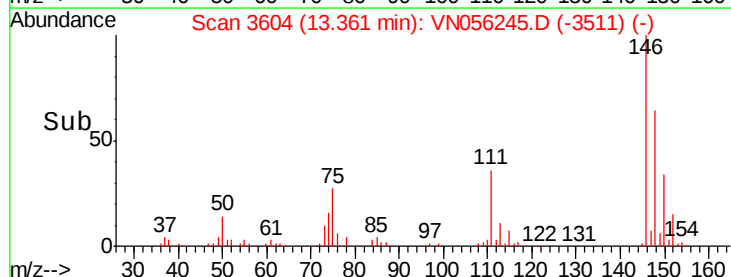
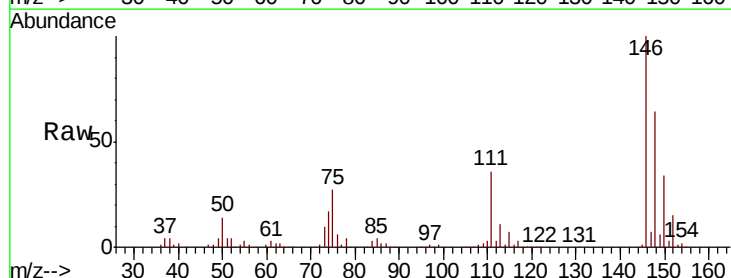
Tgt Ion:146 Resp: 269754

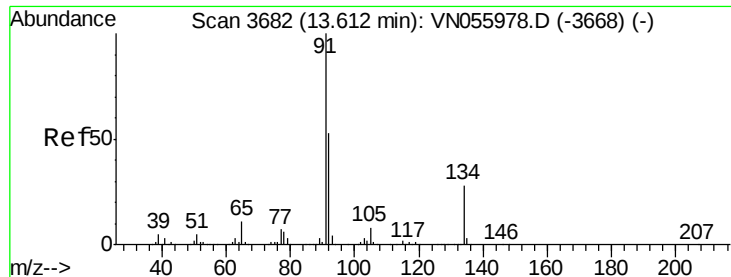
Ion Ratio Lower Upper

146 100

111 35.6 18.1 54.4

148 64.2 32.1 96.5





#89

n-Butylbenzene

Concen: 48.539 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

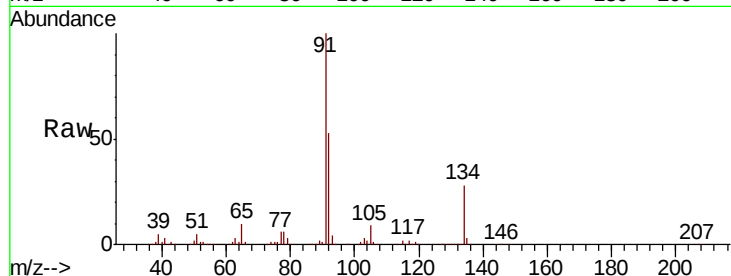
Tot Ion: 91 Resp: 405865

Ion Ratio Lower Upper

91 100

92 52.6 26.4 79.0

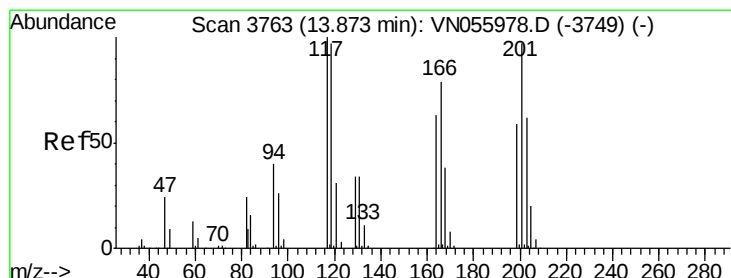
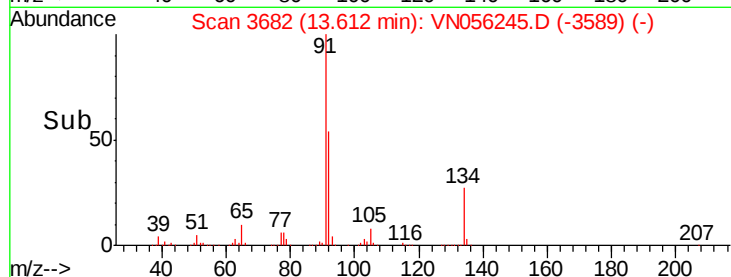
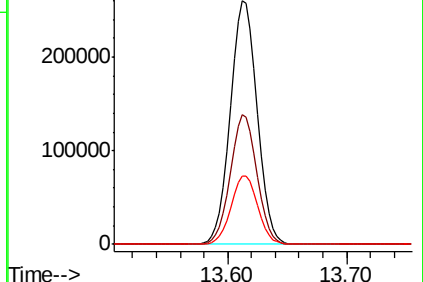
134 28.1 13.9 41.7



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

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

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



#90

Hexachloroethane

Concen: 54.009 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056245.D

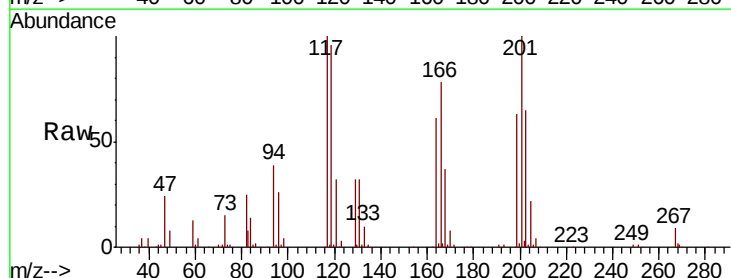
Acq: 12 Jun 2019 13:36

Tgt Ion: 117 Resp: 91937

Ion Ratio Lower Upper

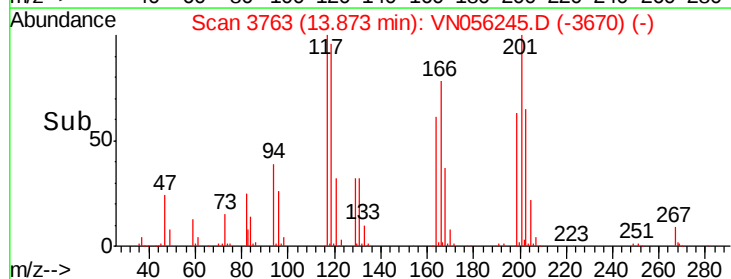
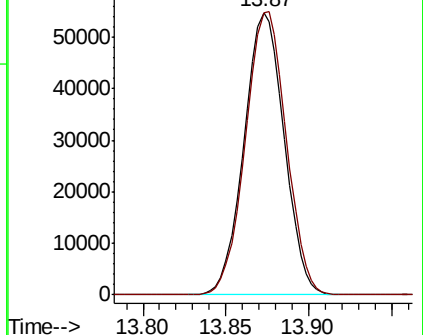
117 100

201 102.2 50.0 150.0



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

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





#91

1,2-Dichlorobenzene

Concen: 49.349 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

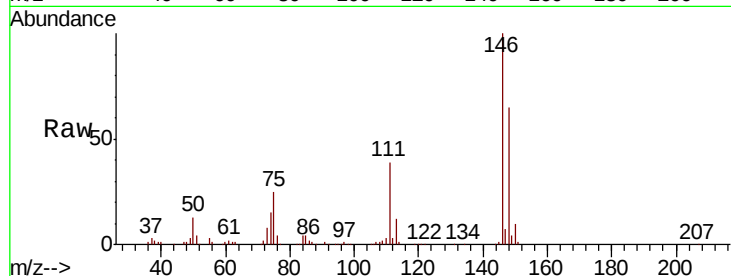
Tot Ion:146 Resp: 277924

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.5

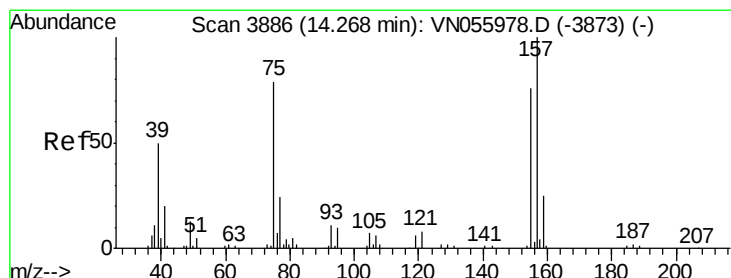
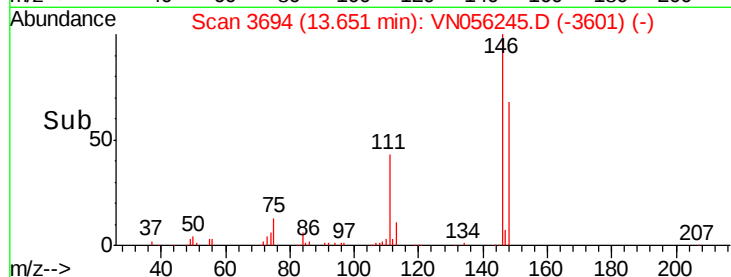
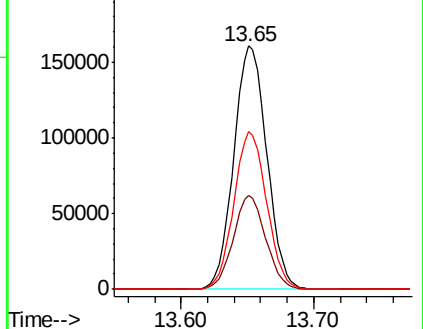
148 64.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.878 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

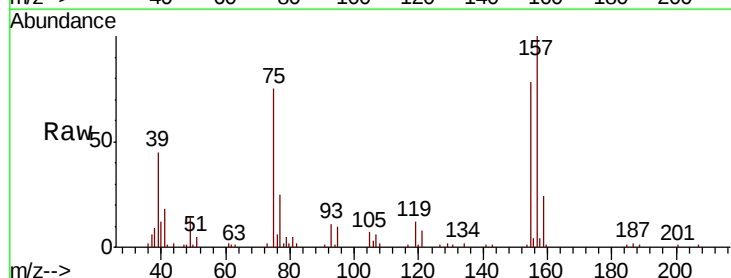
Tgt Ion: 75 Resp: 31233

Ion Ratio Lower Upper

75 100

155 104.5 50.0 150.1

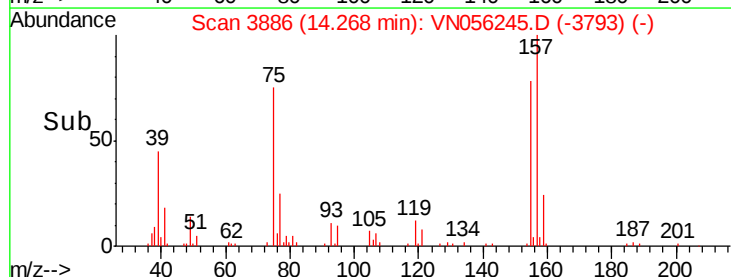
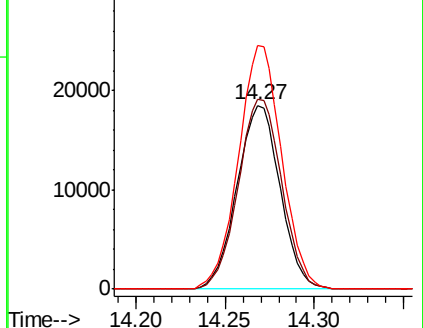
157 133.2 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

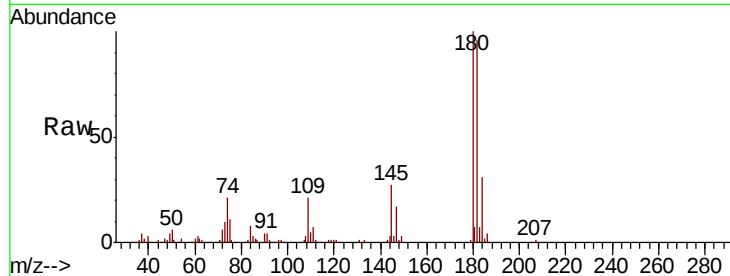




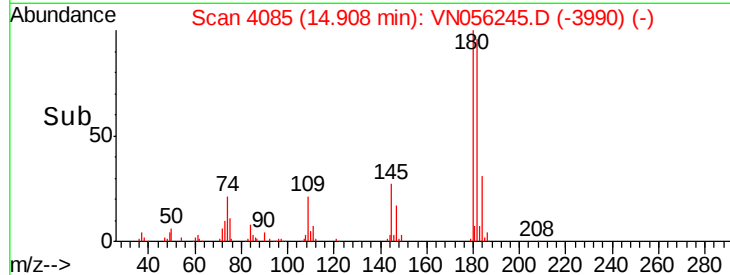
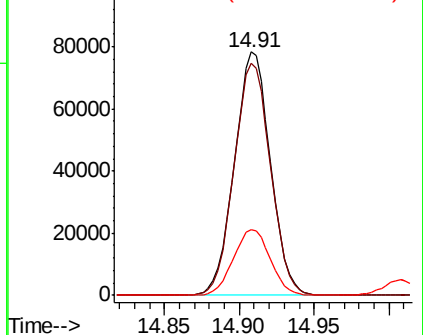
#93
 1,2,4-Trichlorobenzene
 Concen: 42.834 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	27.7	14.0	41.9

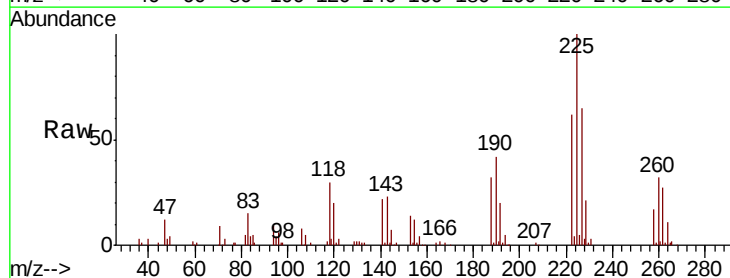


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

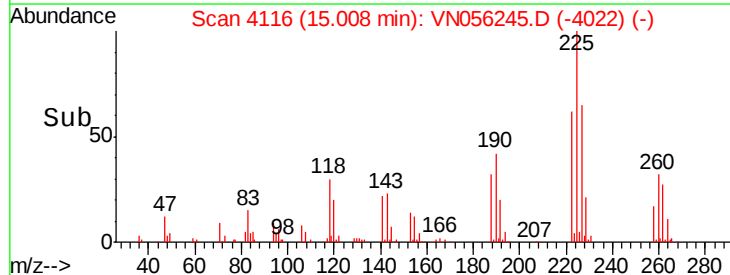
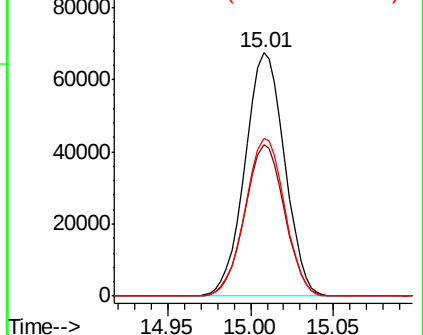


#94
 Hexachlorobutadiene
 Concen: 58.330 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.7
227	65.1	31.6	94.7



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





#95

Naphthalene

Concen: 40.236 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

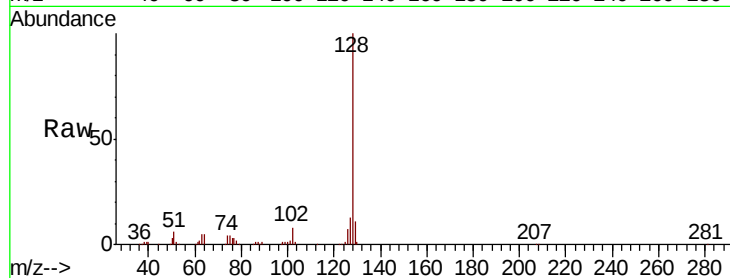
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 317413

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.8	8.7	13.1

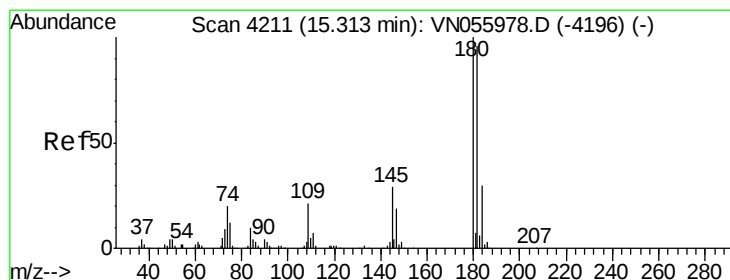
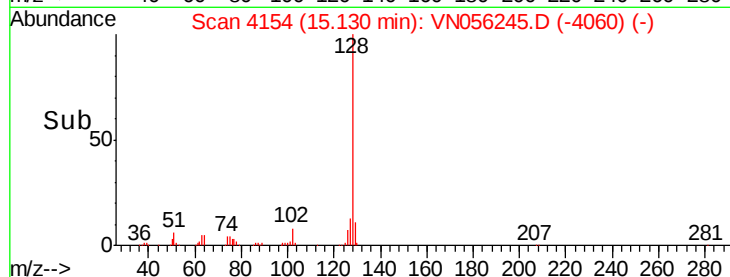
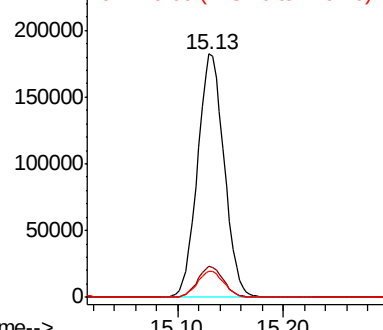


Abundance

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: 45.355 ug/l

RT: 15.31 min Scan# 4211

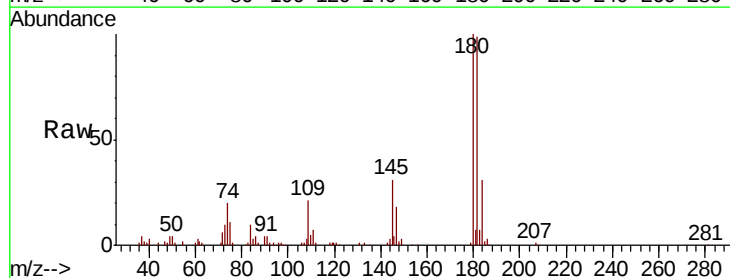
Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion:180 Resp: 142499

Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	29.7	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

