

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063095.D
 Acq On : 16 Jul 2019 9:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 16 10:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	695781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	998924	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	825773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	467358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	437100	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	6.91	113	487242	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	10.40	98	955293	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	
62) 4-Bromofluorobenzene	13.54	95	457439	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	390225	52.587	ug/l	99
3) Chloromethane	1.74	50	313747	49.803	ug/l	94
4) Vinyl Chloride	1.84	62	340350	45.833	ug/l	99
5) Bromomethane	2.14	94	156143	55.520	ug/l	93
6) Chloroethane	2.26	64	163498	47.398	ug/l	97
7) Trichlorofluoromethane	2.52	101	730382	48.586	ug/l	95
8) Diethyl Ether	2.86	74	104519	49.427	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	400790	46.237	ug/l	94
10) Methyl Iodide	3.29	142	490823	46.123	ug/l	94
11) Tert butyl alcohol	4.05	59	115102	230.112	ug/l	98
12) 1,1-Dichloroethene	3.11	96	292672	47.548	ug/l	98
13) Acrolein	3.02	56	17416	115.362	ug/l	94
14) Allyl chloride	3.60	41	463086	47.869	ug/l	90
15) Acrylonitrile	4.18	53	257304	232.708	ug/l	90
16) Acetone	3.21	43	553638	264.468	ug/l	98
17) Carbon Disulfide	3.35	76	793668	45.047	ug/l	99
18) Methyl Acetate	3.63	43	139849	49.860	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	781962	50.325	ug/l	100
20) Methylene Chloride	3.80	84	308916	39.060	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	329754	48.258	ug/l	99
22) Diisopropyl ether	5.11	45	1045691	49.717	ug/l	96
23) Vinyl Acetate	5.04	43	3322468	270.757	ug/l	99
24) 1,1-Dichloroethane	4.96	63	632400	48.811	ug/l	99
25) 2-Butanone	6.05	43	470391	235.310	ug/l	99
26) 2,2-Dichloropropane	6.00	77	686632	47.886	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	370929	47.720	ug/l	97
28) Bromochloromethane	6.42	49	235490	50.100	ug/l	87
29) Tetrahydrofuran	6.44	42	223574	246.723	ug/l	98
30) Chloroform	6.64	83	838797	52.569	ug/l	99
31) Cyclohexane	6.93	56	385684	46.744	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	835520	53.102	ug/l	97
36) 1,1-Dichloropropene	7.12	75	508549	45.266	ug/l	93
37) Ethyl Acetate	6.16	43	213637	44.432	ug/l	99
38) Carbon Tetrachloride	7.09	117	849650	49.771	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063095.D
 Acq On : 16 Jul 2019 9:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 16 10:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	427175	43.980	ug/l	93
40) Benzene	7.44	78	1060423	45.067	ug/l	96
41) Methacrylonitrile	6.43	41	314198	48.199	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	582918	46.500	ug/l	97
43) Isopropyl Acetate	9.23	43	314215	45.593	ug/l #	99
44) Trichloroethene	8.52	130	429274	47.206	ug/l	98
45) 1,2-Dichloropropane	8.93	63	277466	47.296	ug/l	94
46) Dibromomethane	9.04	93	228766	45.379	ug/l	96
47) Bromodichloromethane	9.36	83	631673	48.017	ug/l	99
48) Methyl methacrylate	9.10	41	201578	44.540	ug/l #	83
49) 1,4-Dioxane	9.07	88	36547	936.343	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	1107929	242.381	ug/l	96
52) Toluene	10.49	92	745881	47.470	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	490626	43.531	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	548592	47.074	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	252180	46.442	ug/l	94
56) Ethyl methacrylate	11.03	69	292688	48.243	ug/l	94
57) 1,3-Dichloropropane	11.40	76	404075	48.904	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	772958	228.812	ug/l	98
59) 2-Hexanone	11.52	43	845167	239.749	ug/l	96
60) Dibromochloromethane	11.67	129	500464	48.081	ug/l	96
61) 1,2-Dibromoethane	11.79	107	300891	46.293	ug/l	91
64) Tetrachloroethene	11.25	164	364345	45.471	ug/l	96
65) Chlorobenzene	12.39	112	963878	49.655	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	435856	48.430	ug/l	98
67) Ethyl Benzene	12.51	91	1600559	47.455	ug/l	100
68) m/p-Xylenes	12.66	106	1104193	91.404	ug/l	96
69) o-Xylene	13.04	106	531955	46.440	ug/l	98
70) Styrene	13.06	104	896266	44.701	ug/l	97
71) Bromoform	13.23	173	313022	49.680	ug/l	97
73) Isopropylbenzene	13.40	105	1585136	43.918	ug/l	98
74) N-amyl acetate	13.26	43	449684	44.674	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	295854	45.053	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	303031	42.150	ug/l	96
77) Bromobenzene	13.66	156	483198	47.209	ug/l	88
78) n-propylbenzene	13.77	91	1784240	42.958	ug/l	97
79) 2-Chlorotoluene	13.84	91	1068187	42.535	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1397356	44.422	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	84099	44.421	ug/l	97
82) 4-Chlorotoluene	13.94	91	1337357	45.604	ug/l	93
83) tert-Butylbenzene	14.18	119	1589790	44.697	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1388136	44.263	ug/l	97
85) sec-Butylbenzene	14.36	105	1771628	46.880	ug/l	97
86) p-Isopropyltoluene	14.49	119	1607385	45.594	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	853949	46.718	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	791822	45.186	ug/l	94
89) n-Butylbenzene	14.79	91	1518706	46.738	ug/l	99
90) Hexachloroethane	15.00	117	410885	43.598	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	723878	44.474	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	54051	42.941	ug/l	85

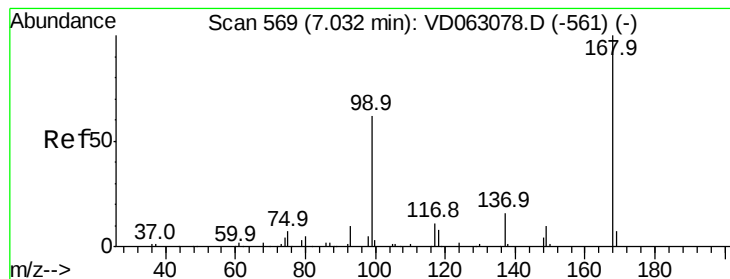
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063095.D
Acq On : 16 Jul 2019 9:55
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Jul 16 10:41:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	554667	45.359	ug/l	96
94) Hexachlorobutadiene	16.03	225	424876	47.139	ug/l	98
95) Naphthalene	16.11	128	815004	45.563	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	450511	45.798	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

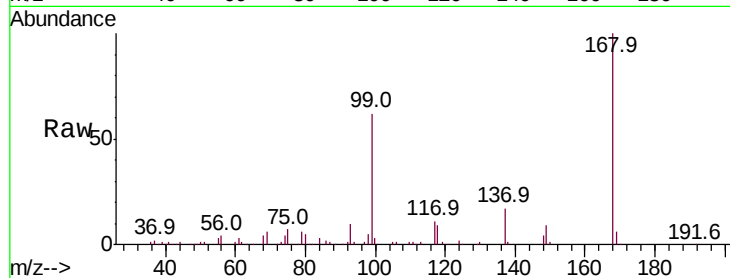
VSTDCCC050

Tot Ion:168 Resp: 695781

Ion Ratio Lower Upper

168 100

99 62.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

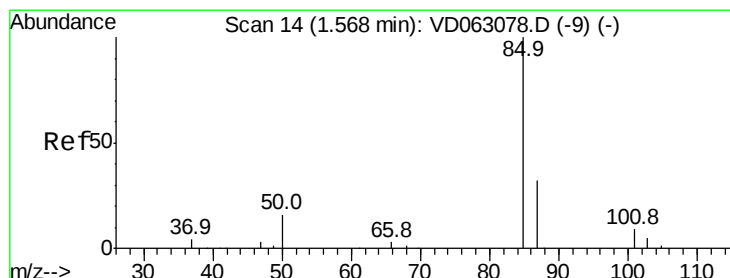
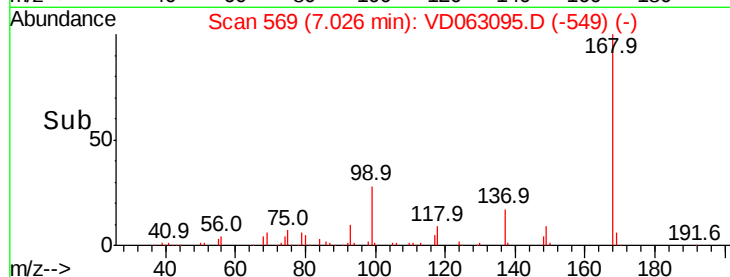
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 52.587 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063095.D

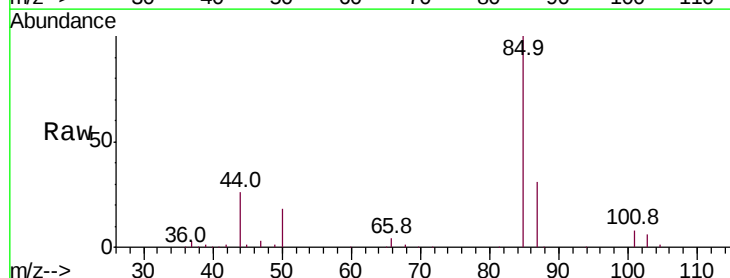
Acq: 16 Jul 2019 9:55

Tgt Ion: 85 Resp: 390225

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

150000

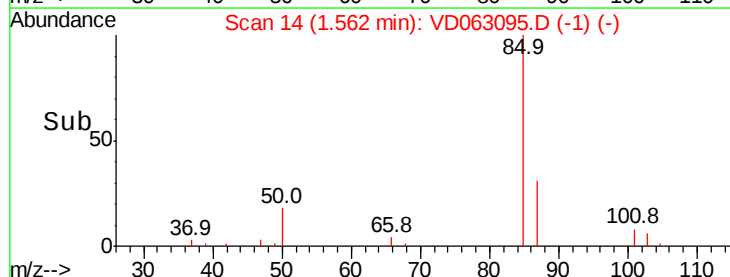
100000

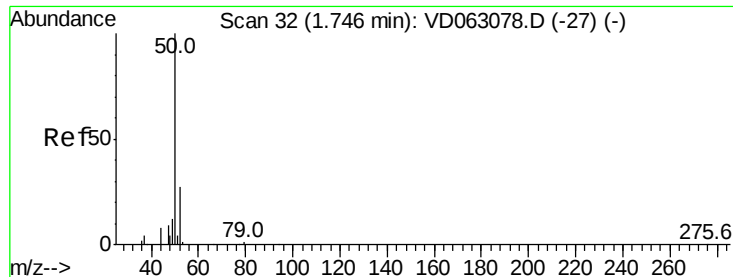
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 49.803 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

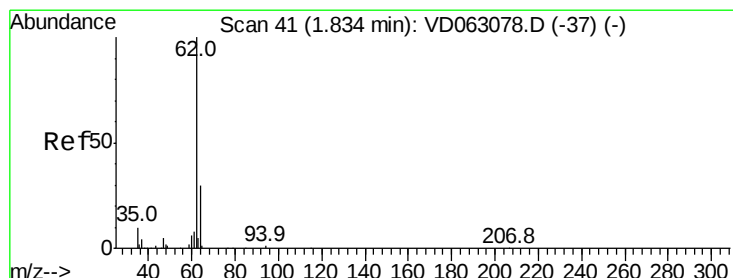
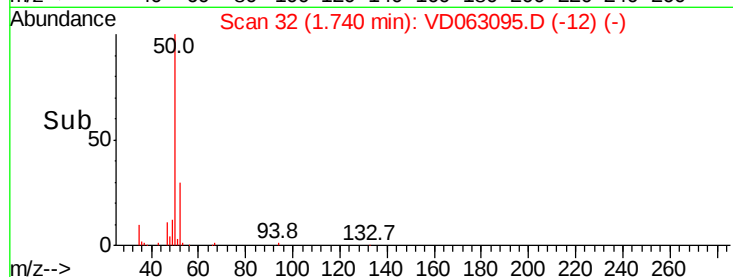
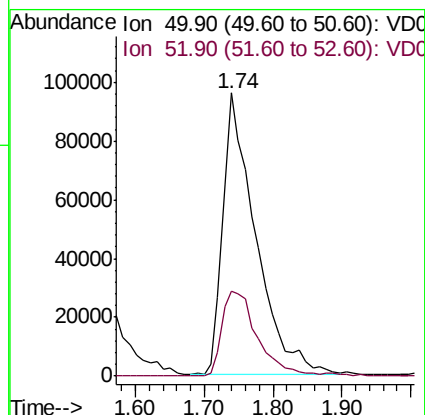
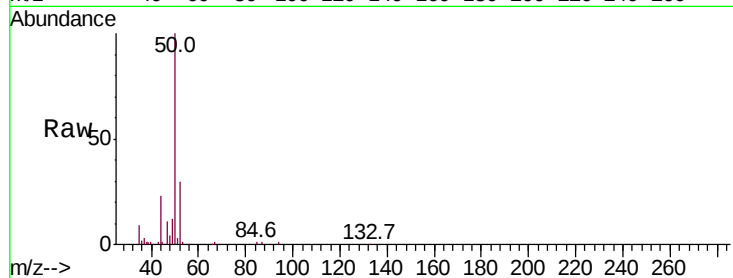
VSTDCCC050

Tot Ion: 50 Resp: 313747

Ion Ratio Lower Upper

50 100

52 29.9 21.4 32.2



#4

Vinyl Chloride

Concen: 45.833 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063095.D

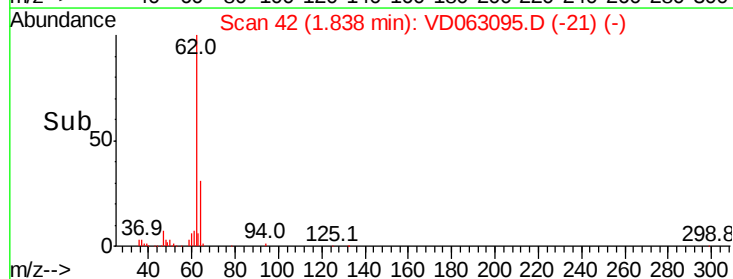
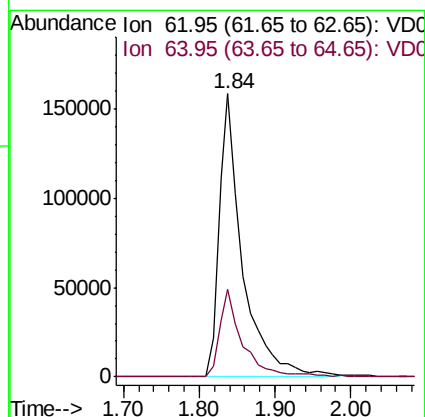
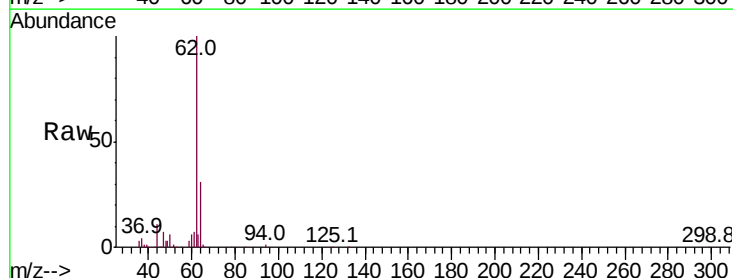
Acq: 16 Jul 2019 9:55

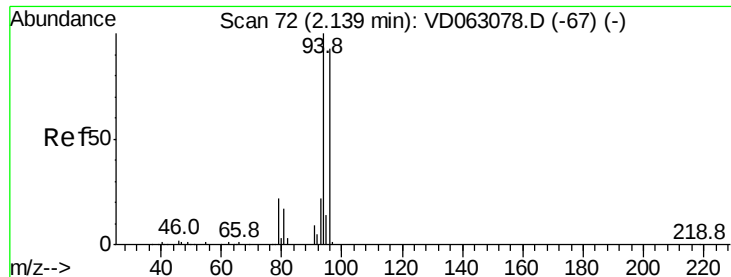
Tgt Ion: 62 Resp: 340350

Ion Ratio Lower Upper

62 100

64 31.1 24.4 36.6





#5

Bromomethane

Concen: 55.520 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

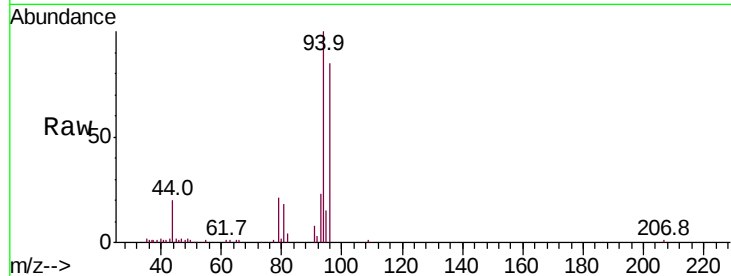
Tot Ion: 94 Resp: 156143

Ion Ratio Lower Upper

94 100

96 84.8 74.2 111.2

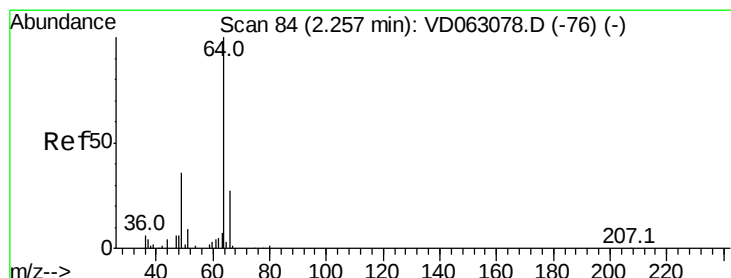
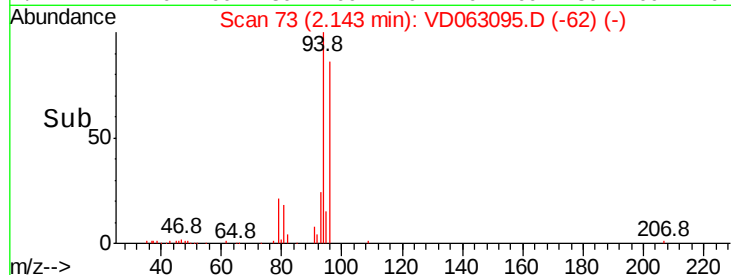
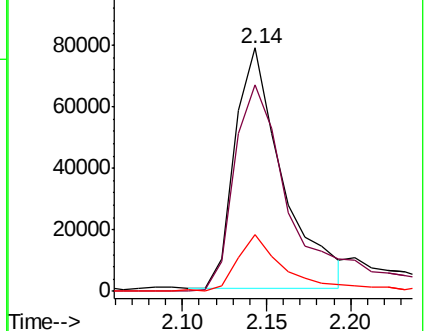
93 23.2 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 47.398 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063095.D

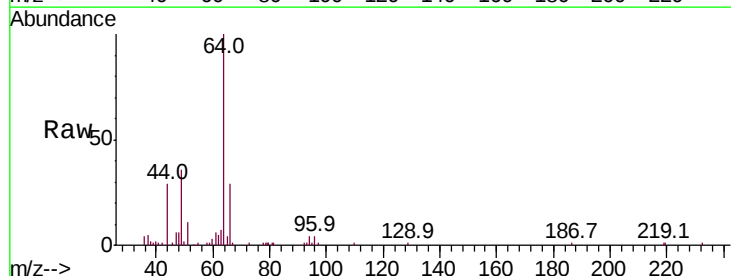
Acq: 16 Jul 2019 9:55

Tgt Ion: 64 Resp: 163498

Ion Ratio Lower Upper

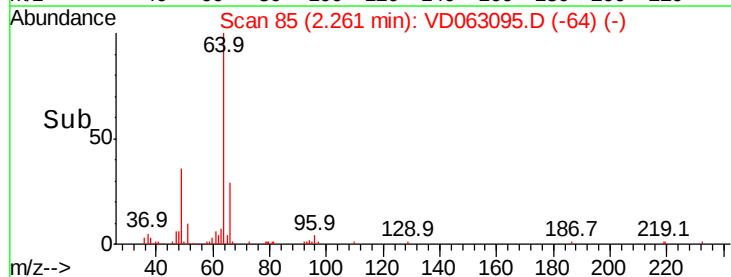
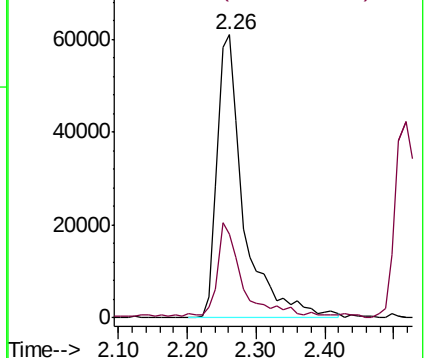
64 100

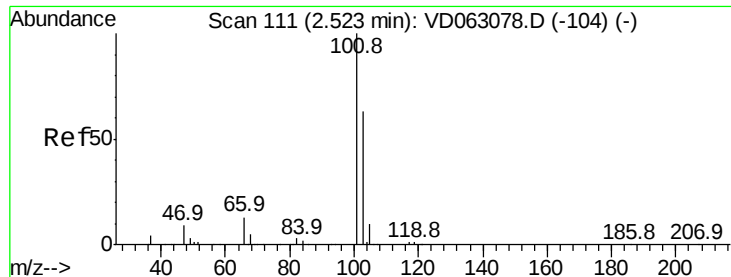
66 29.4 22.5 33.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



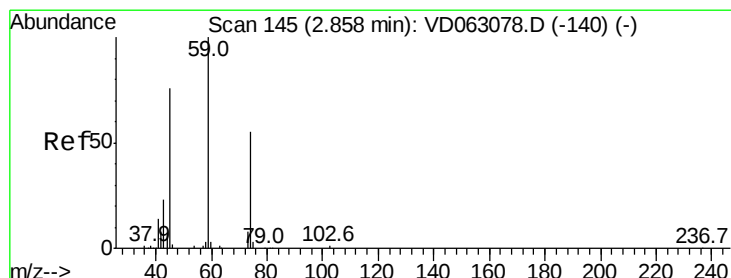
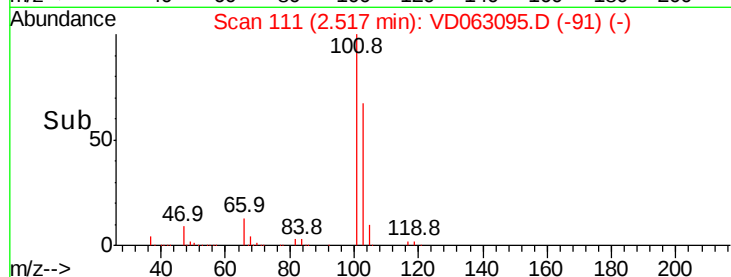
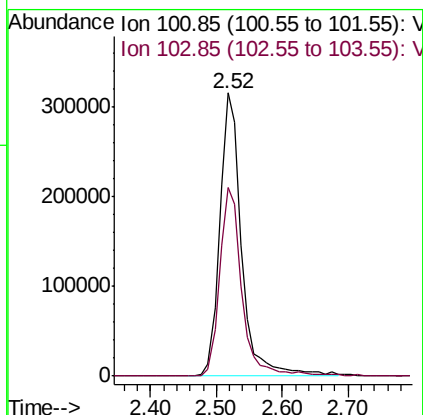
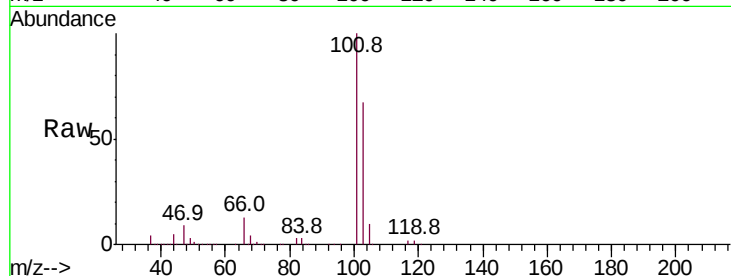


#7

Trichlorofluoromethane
 Concen: 48.586 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

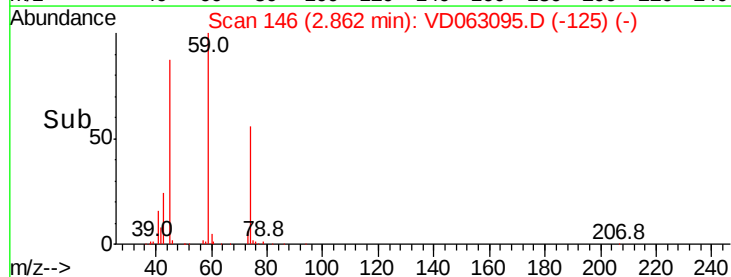
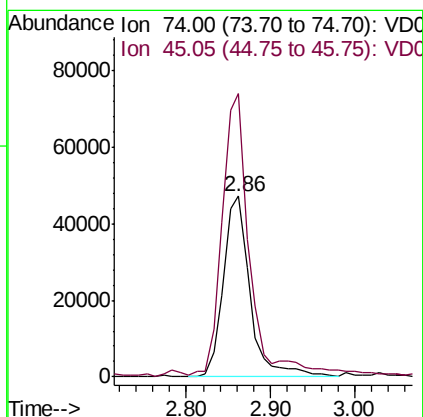
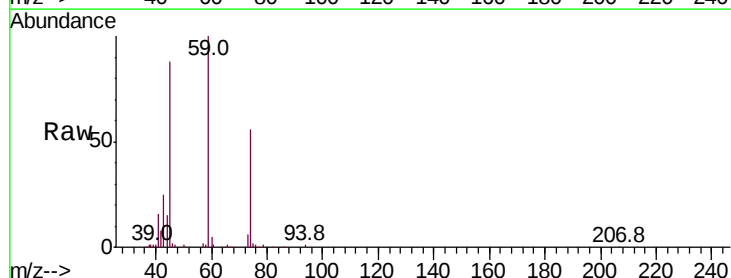
Tot Ion:101 Resp: 730382
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.6 76.0

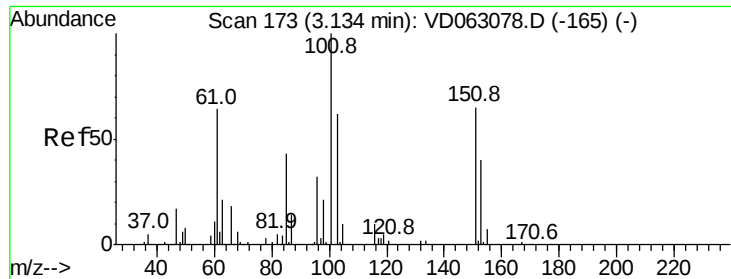


#8

Diethyl Ether
 Concen: 49.427 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Tgt Ion: 74 Resp: 104519
 Ion Ratio Lower Upper
 74 100
 45 156.8 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.237 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

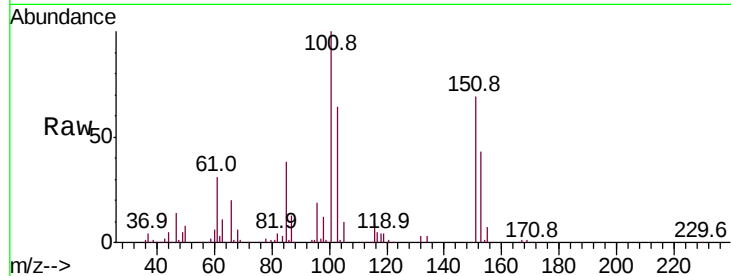
Tot Ion:101 Resp: 400790

Ion Ratio Lower Upper

101 100

85 38.1 34.6 51.8

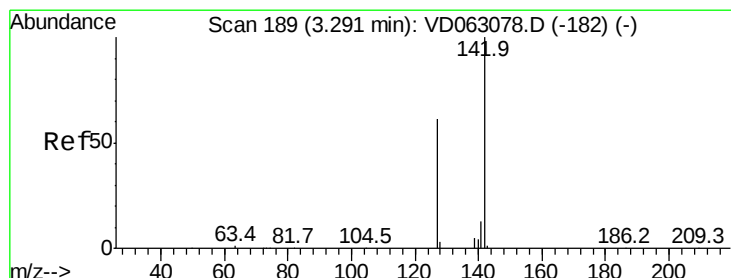
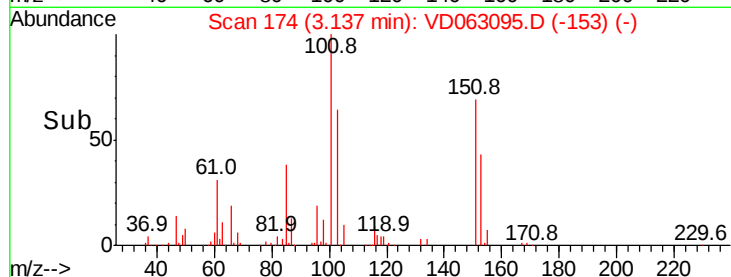
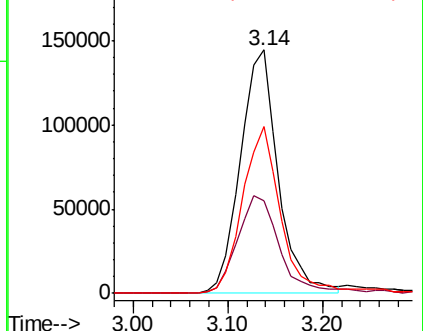
151 68.8 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 46.123 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

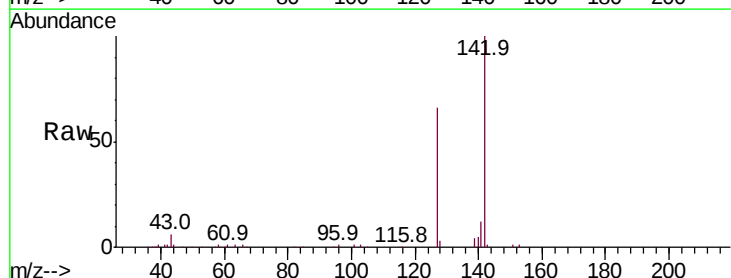
Tgt Ion:142 Resp: 490823

Ion Ratio Lower Upper

142 100

127 66.4 48.6 73.0

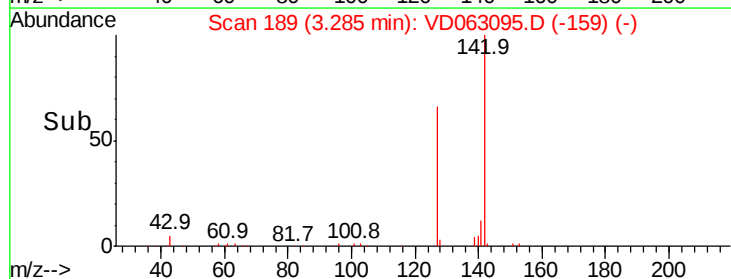
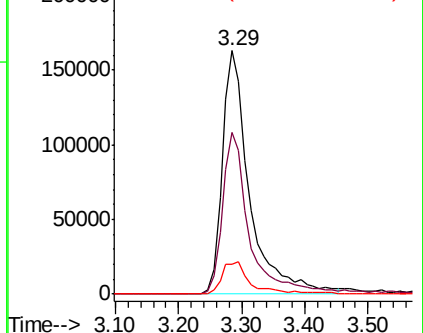
141 12.3 10.6 16.0

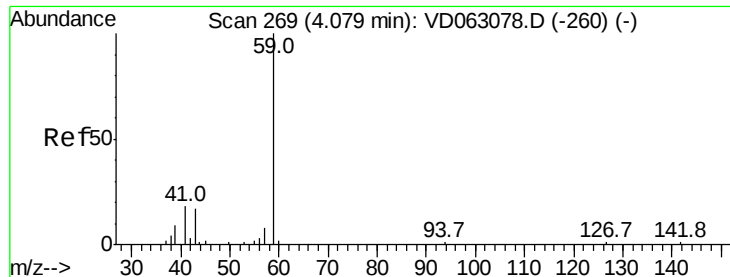


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



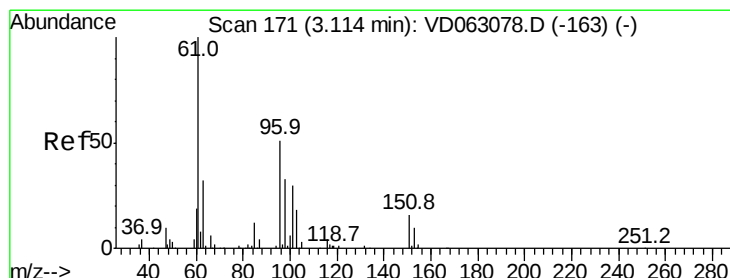
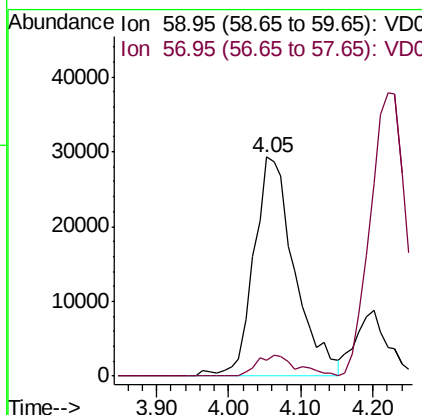
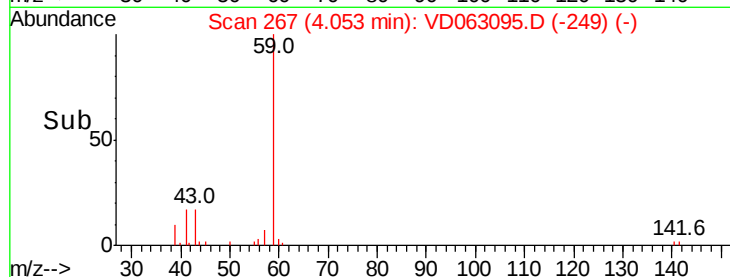
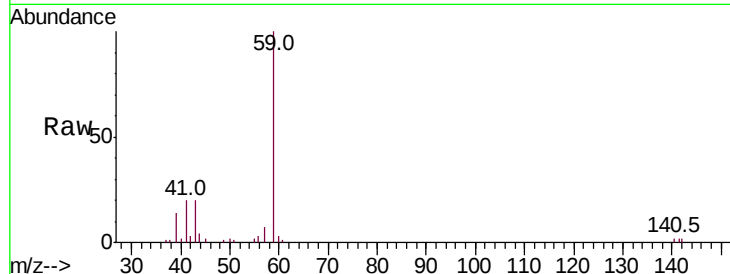


#11

Tert butyl alcohol
Concen: 230.112 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

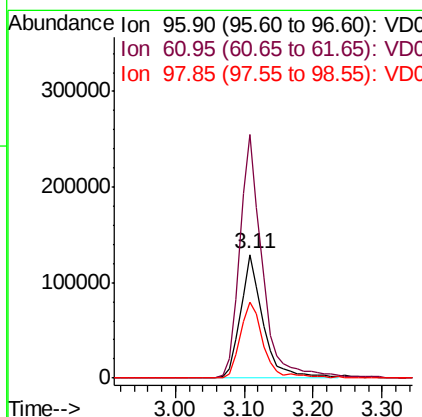
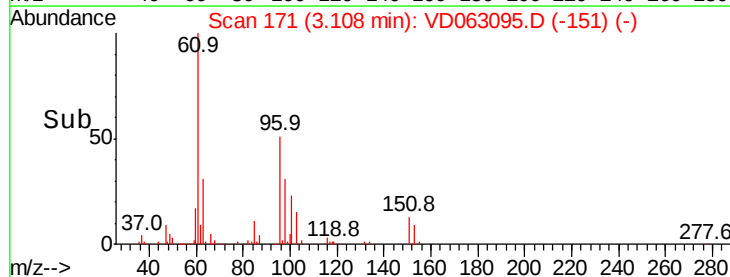
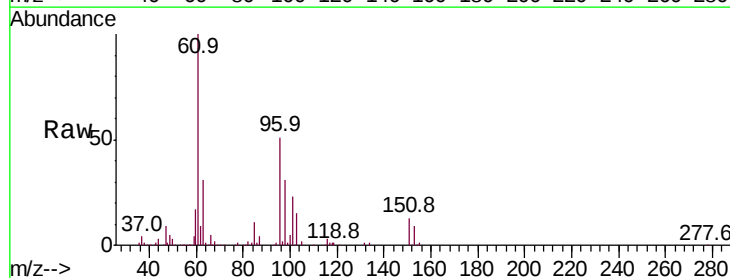
Tot Ion: 59 Resp: 115102
Ion Ratio Lower Upper
59 100
57 7.1 6.4 9.6

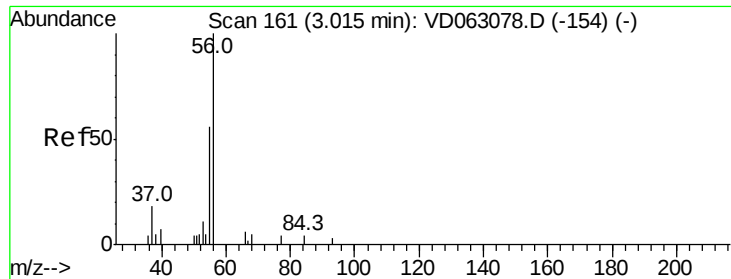


#12

1,1-Dichloroethene
Concen: 47.548 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 96 Resp: 292672
Ion Ratio Lower Upper
96 100
61 197.1 155.5 233.3
98 61.4 51.5 77.3

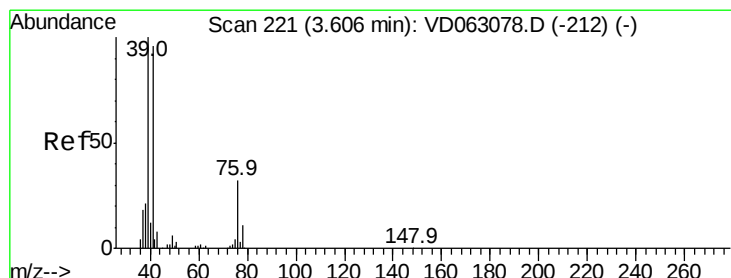
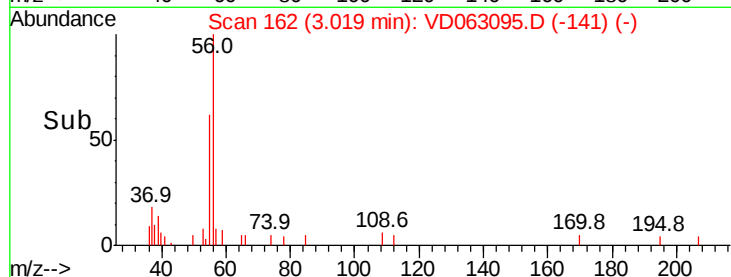
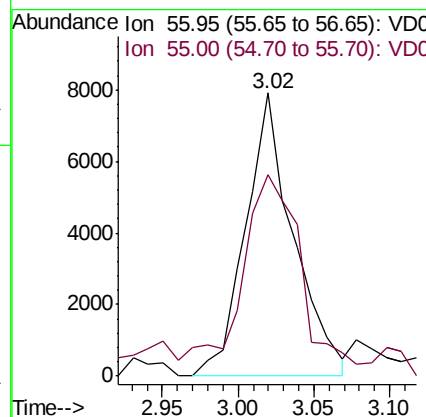
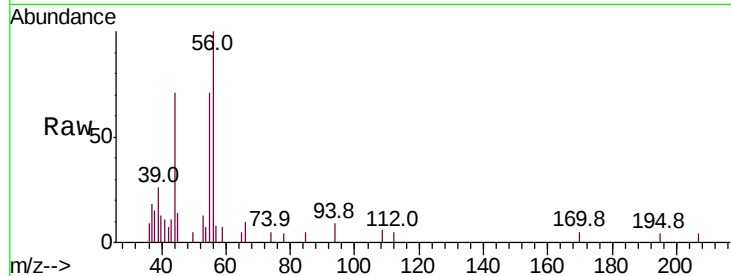




#13
Acrolein
Concen: 115.362 ug/l
RT: 3.02 min Scan# 162
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

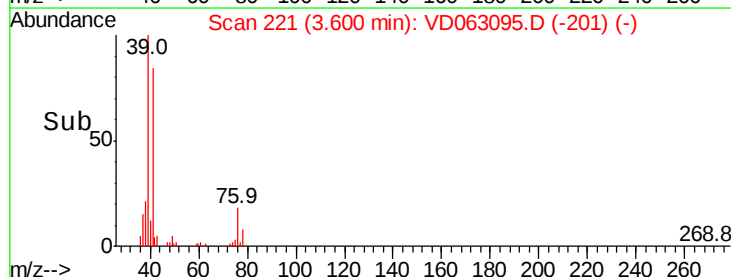
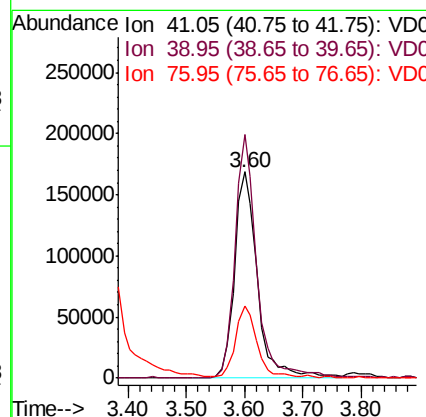
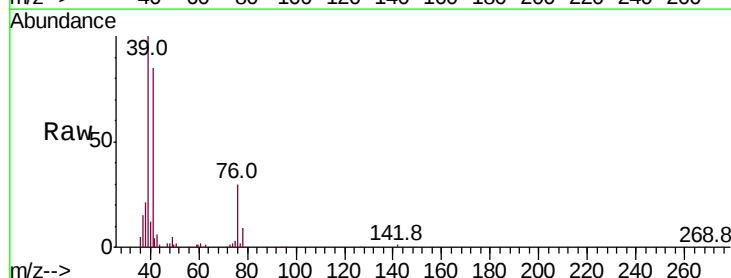
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

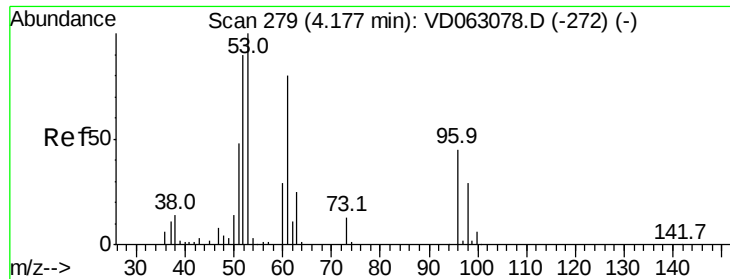
Tot Ion: 56 Resp: 17416
Ion Ratio Lower Upper
56 100
55 71.3 53.0 79.4



#14
Allyl chloride
Concen: 47.869 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 41 Resp: 463086
Ion Ratio Lower Upper
41 100
39 118.1 83.5 125.3
76 34.9 27.8 41.8





#15

Acrylonitrile

Concen: 232.708 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

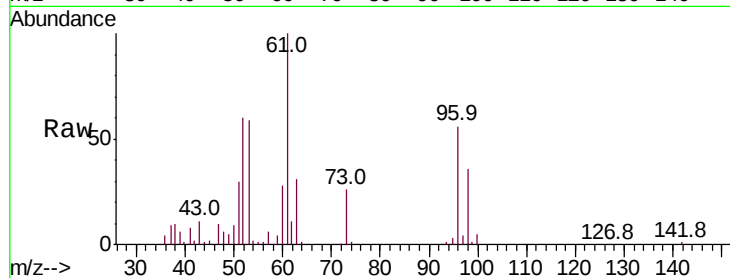
Tot Ion: 53 Resp: 257304

Ion Ratio Lower Upper

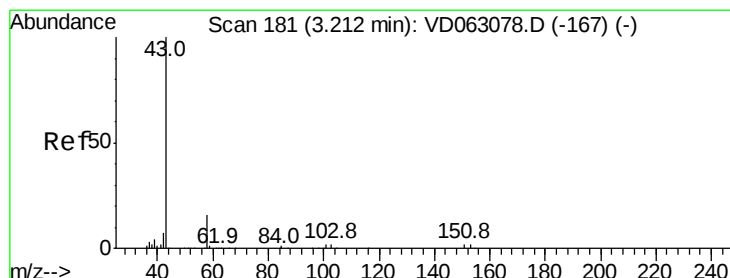
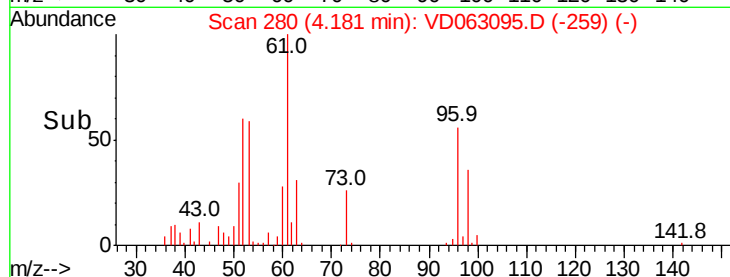
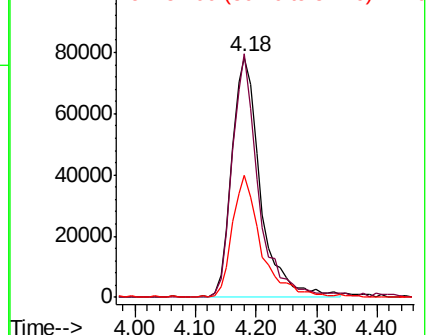
53 100

52 101.5 72.3 108.5

51 51.0 38.0 57.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 264.468 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063095.D

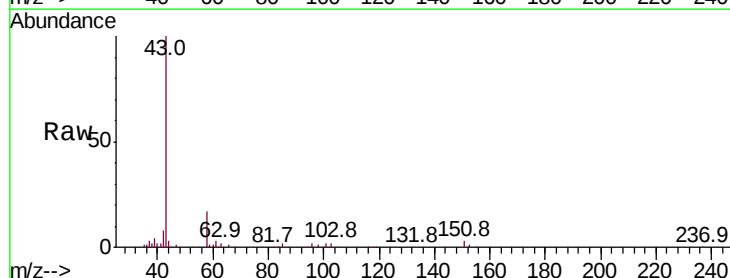
Acq: 16 Jul 2019 9:55

Tgt Ion: 43 Resp: 553638

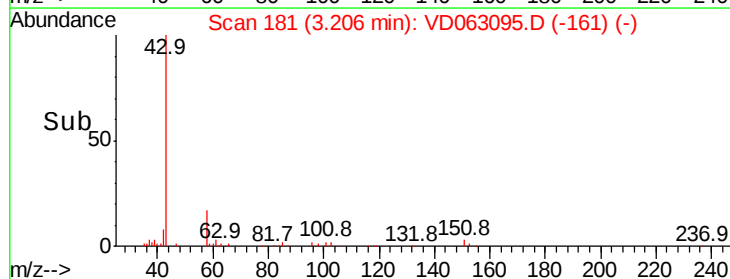
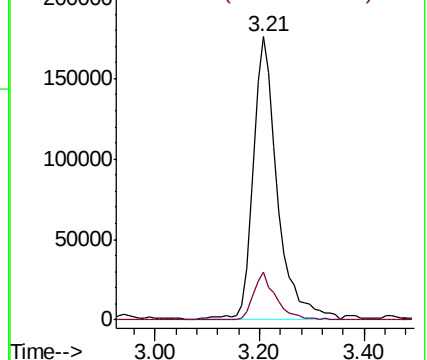
Ion Ratio Lower Upper

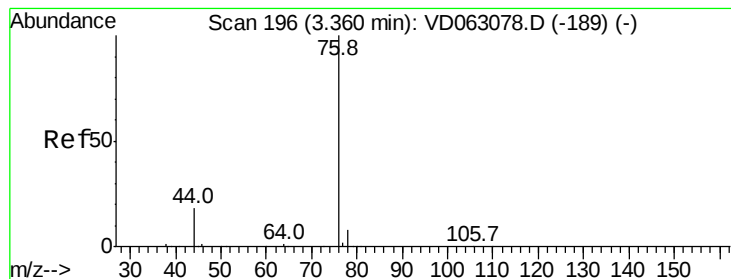
43 100

58 16.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 45.047 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

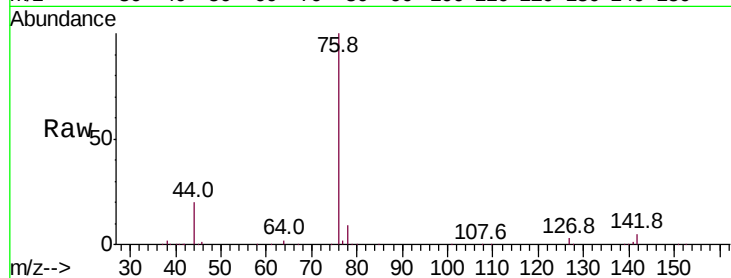
VSTDCCC050

Tot Ion: 76 Resp: 793668

Ion Ratio Lower Upper

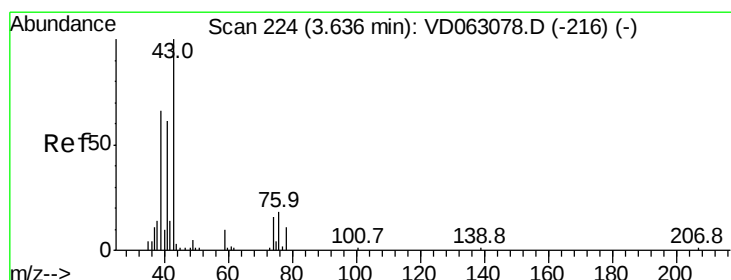
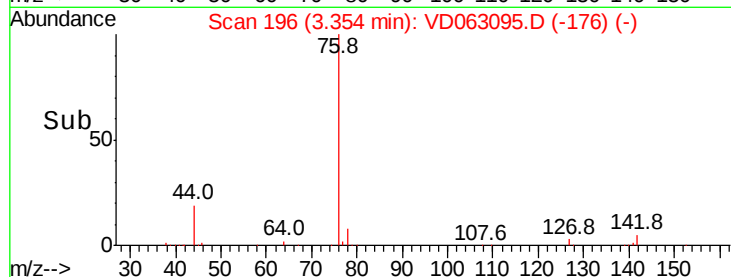
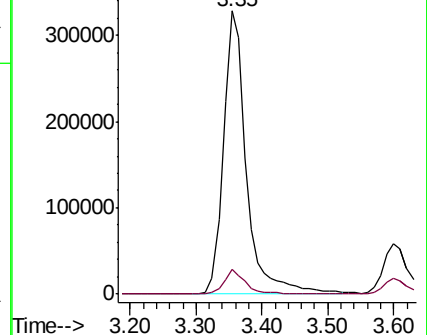
76 100

78 8.8 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 49.860 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD063095.D

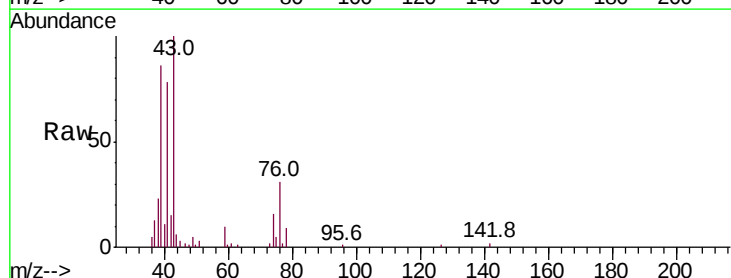
Acq: 16 Jul 2019 9:55

Tgt Ion: 43 Resp: 139849

Ion Ratio Lower Upper

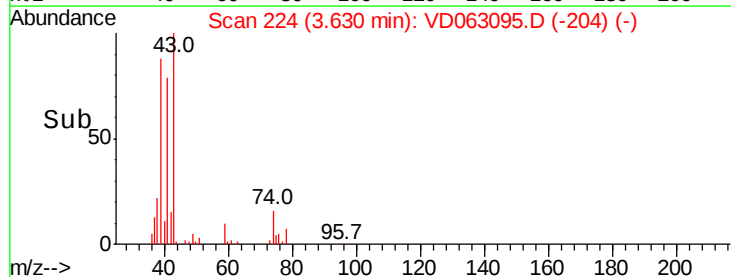
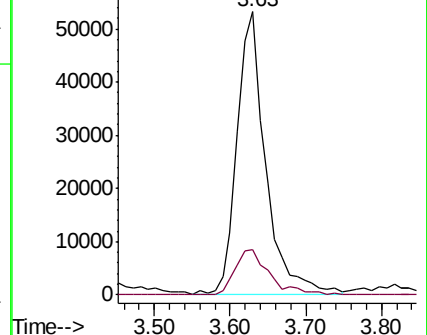
43 100

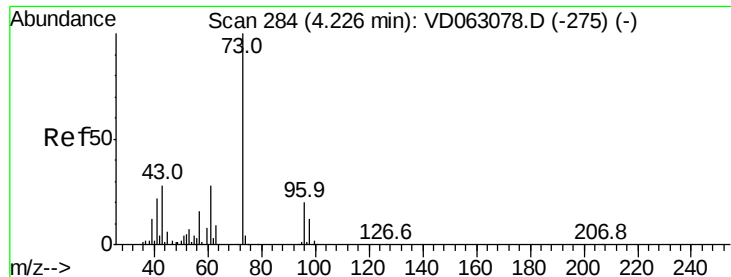
74 16.1 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



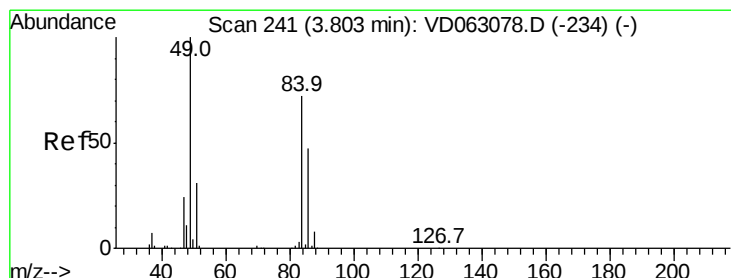
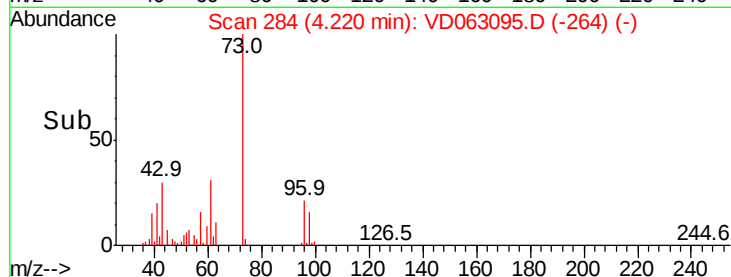
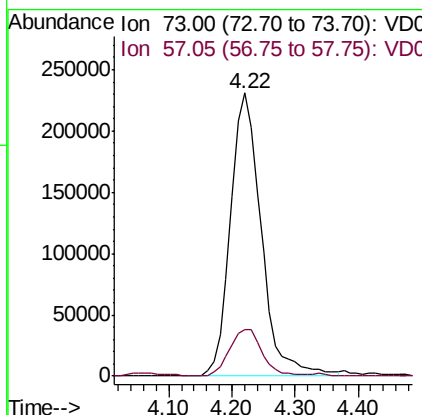
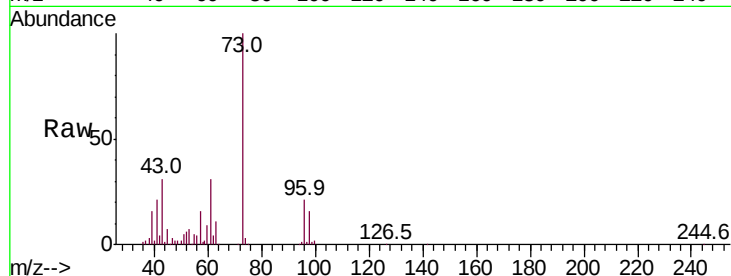


#19

Methyl tert-butyl Ether
 Concen: 50.325 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

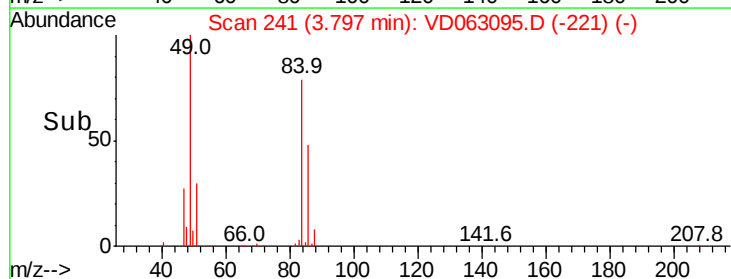
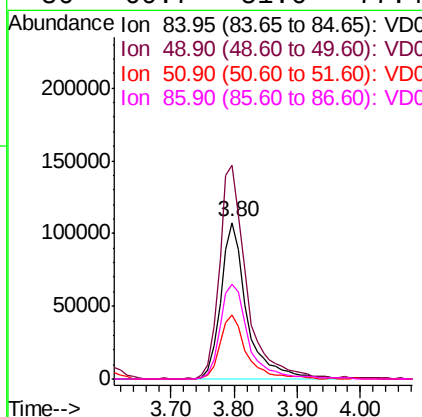
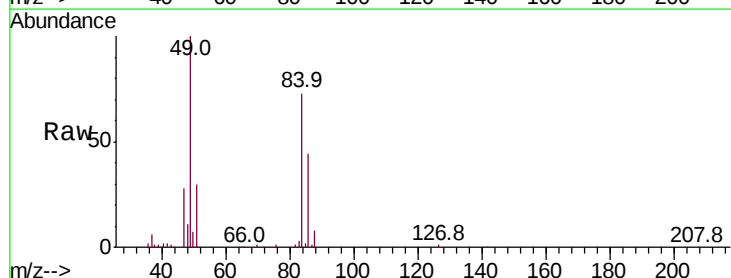
Tot Ion: 73 Resp: 781962
 Ion Ratio Lower Upper
 73 100
 57 16.4 13.1 19.7

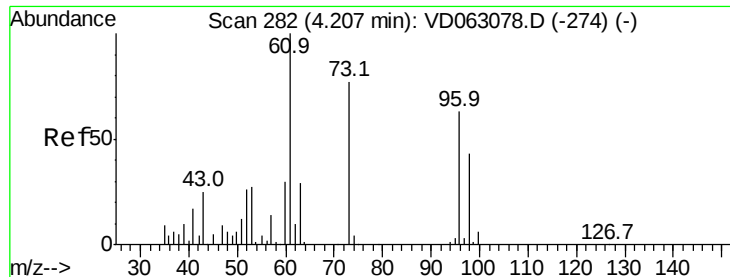


#20

Methylene Chloride
 Concen: 39.060 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Tgt Ion: 84 Resp: 308916
 Ion Ratio Lower Upper
 84 100
 49 136.5 110.5 165.7
 51 41.1 34.6 51.8
 86 60.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.258 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

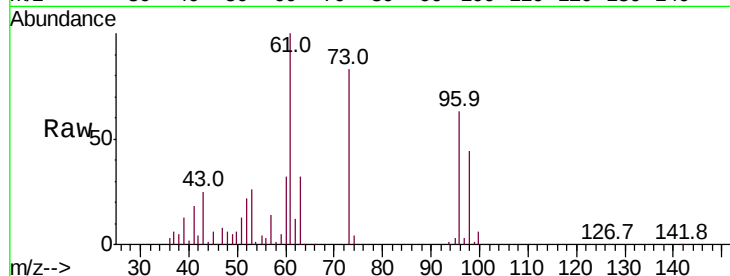
Tot Ion: 96 Resp: 329754

Ion Ratio Lower Upper

96 100

61 157.8 128.0 192.0

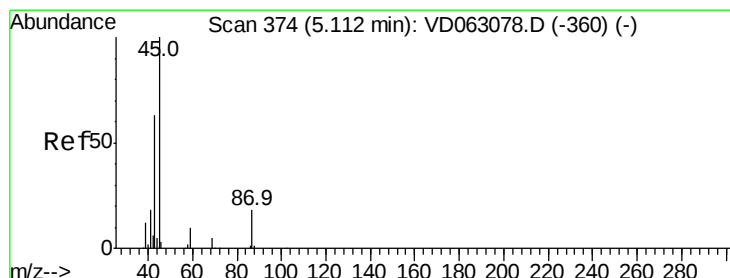
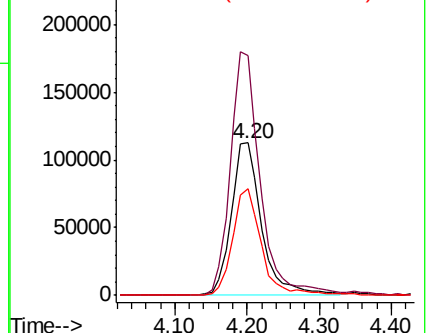
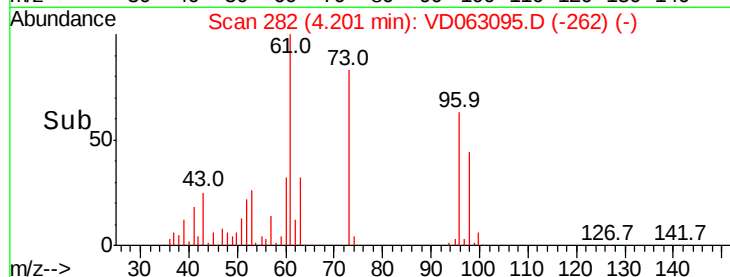
98 69.8 55.2 82.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.717 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Tgt Ion: 45 Resp: 1045691

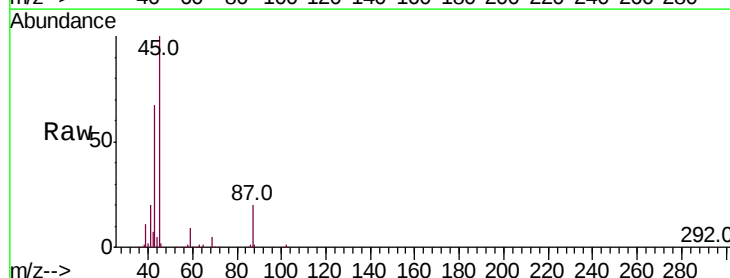
Ion Ratio Lower Upper

45 100

43 67.2 50.5 75.7

87 19.6 15.1 22.7

59 9.3 7.6 11.4

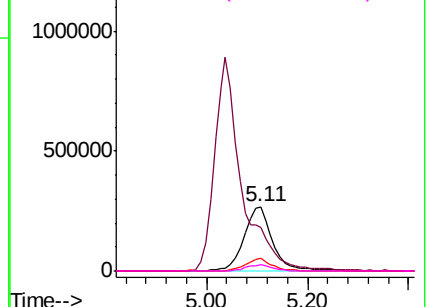
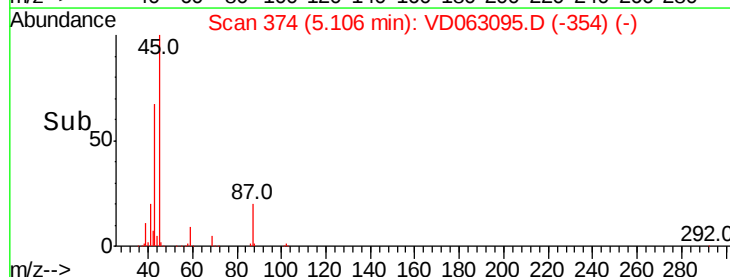


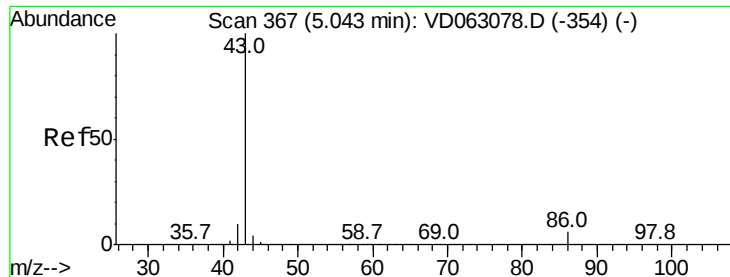
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 270.757 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

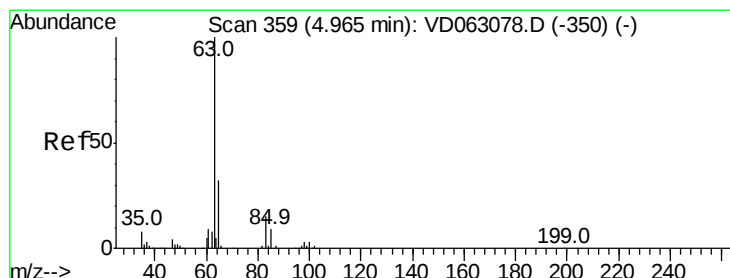
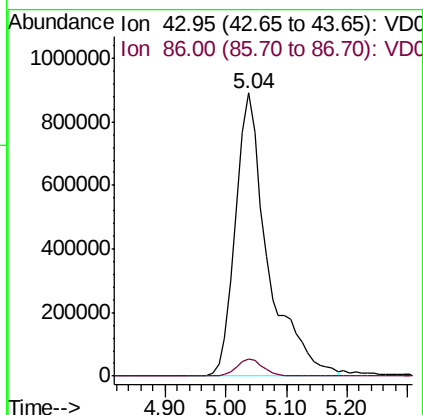
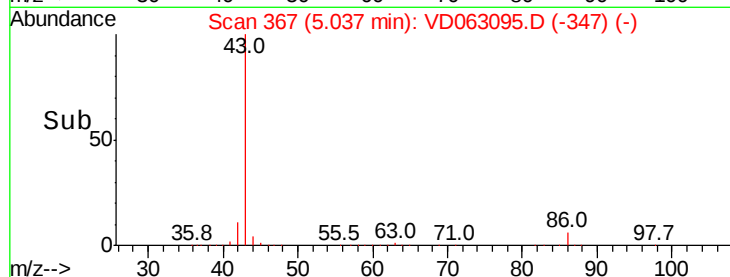
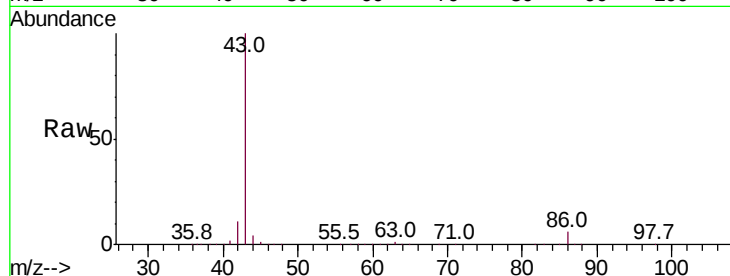
VSTDCCC050

Tot Ion: 43 Resp: 3322468

Ion Ratio Lower Upper

43 100

86 5.9 5.0 7.6



#24

1,1-Dichloroethane

Concen: 48.811 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

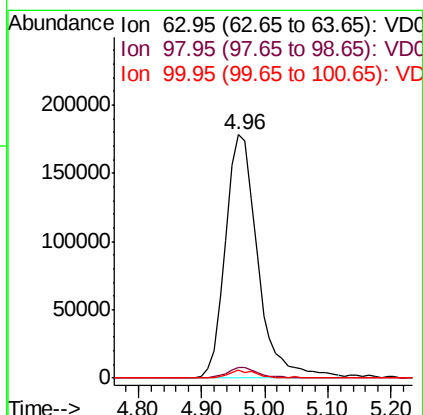
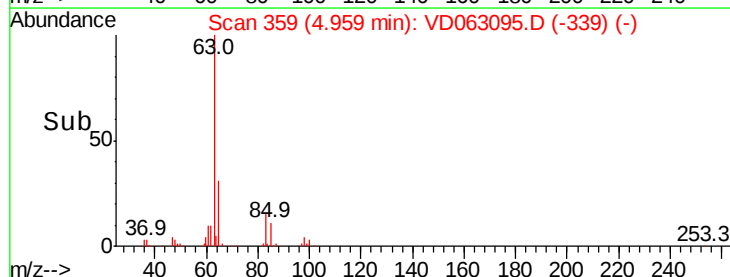
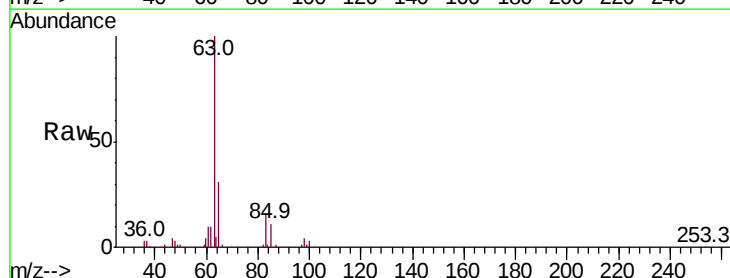
Tgt Ion: 63 Resp: 632400

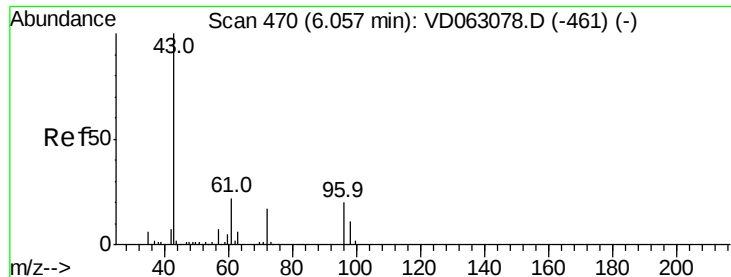
Ion Ratio Lower Upper

63 100

98 4.1 1.7 5.1

100 3.2 1.5 4.5





#25

2-Butanone

Concen: 235.310 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

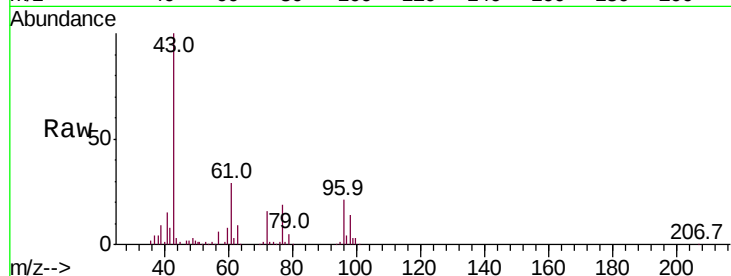
VSTDCCC050

Tot Ion: 43 Resp: 470391

Ion Ratio Lower Upper

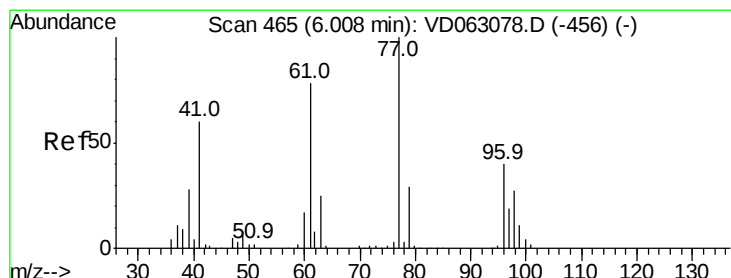
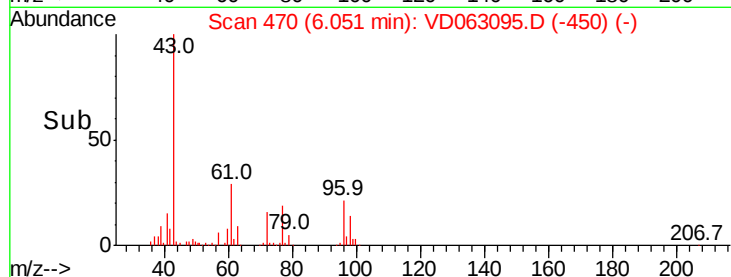
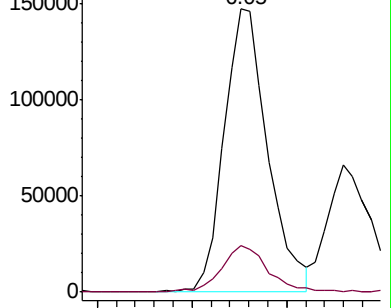
43 100

72 16.3 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.886 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063095.D

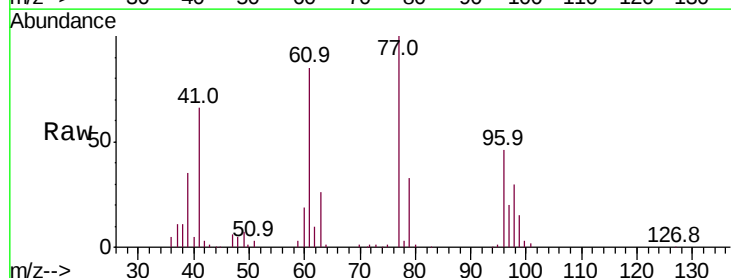
Acq: 16 Jul 2019 9:55

Tgt Ion: 77 Resp: 686632

Ion Ratio Lower Upper

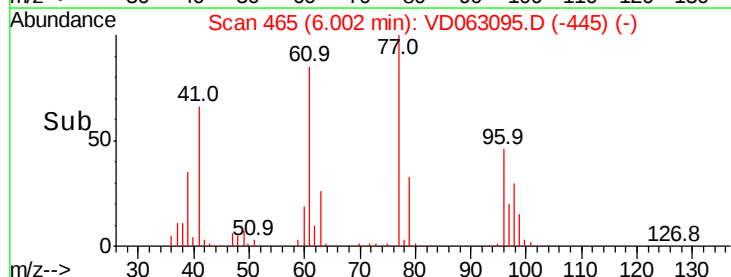
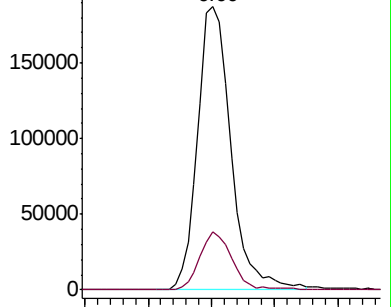
77 100

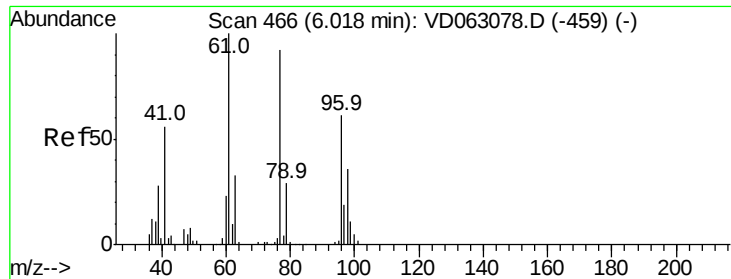
97 20.4 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



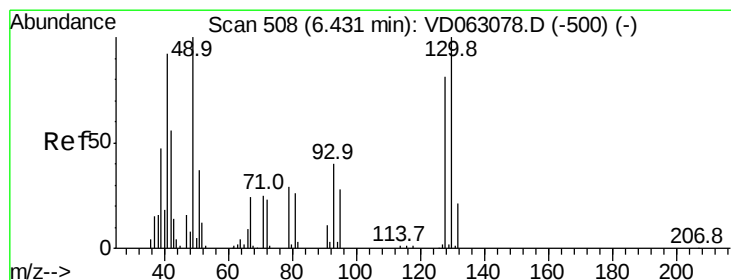
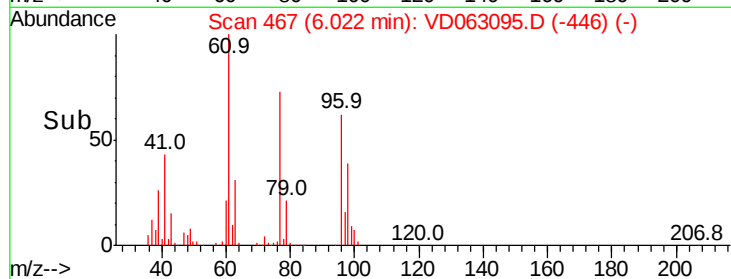
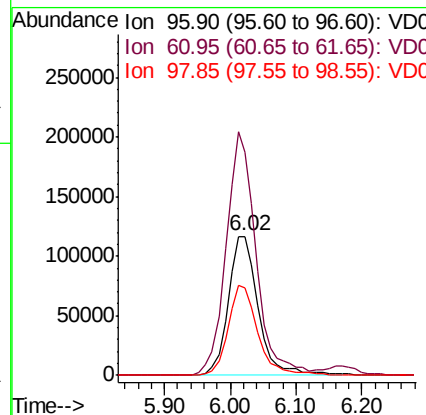
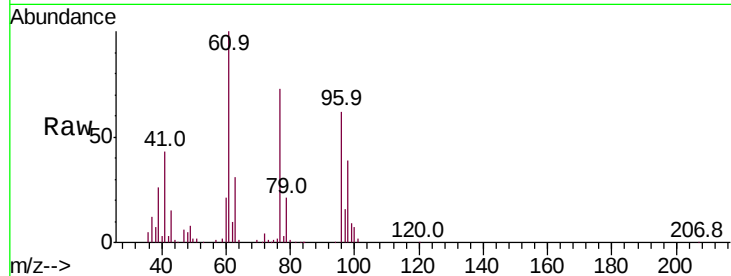


#27

cis-1,2-Dichloroethene
 Concen: 47.720 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

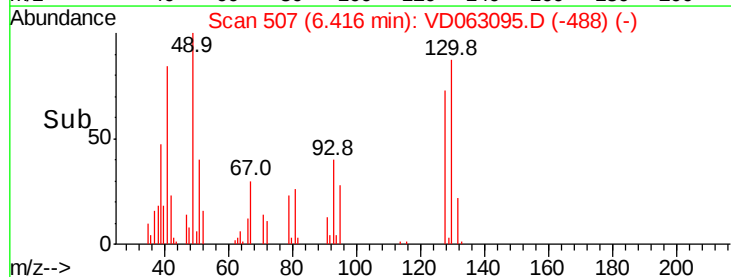
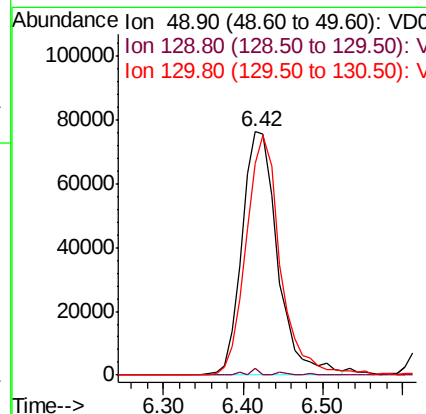
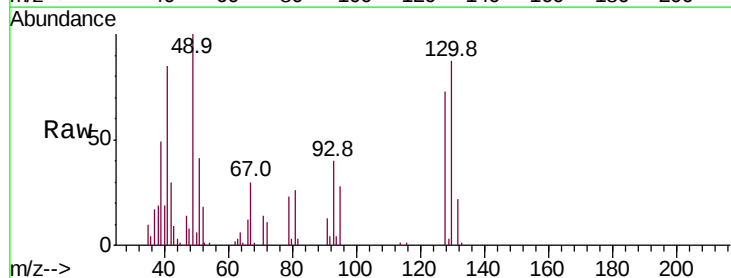
Tot Ion	96	Resp	370929
Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	329.6
98	62.9	0.0	118.4

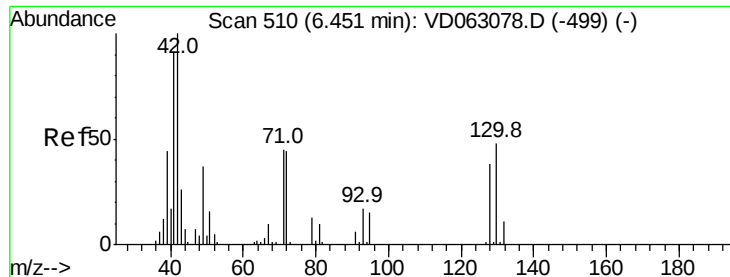


#28

Bromochloromethane
 Concen: 50.100 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.02 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Tgt Ion	49	Resp	235490
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.6
130	87.1	80.3	120.5





#29

Tetrahydrofuran

Concen: 246.723 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

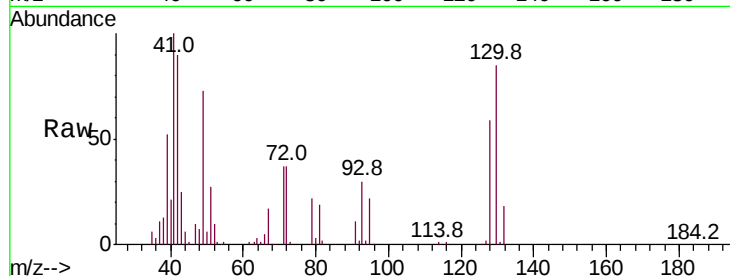
Tot Ion: 42 Resp: 223574

Ion Ratio Lower Upper

42 100

72 41.7 33.7 50.5

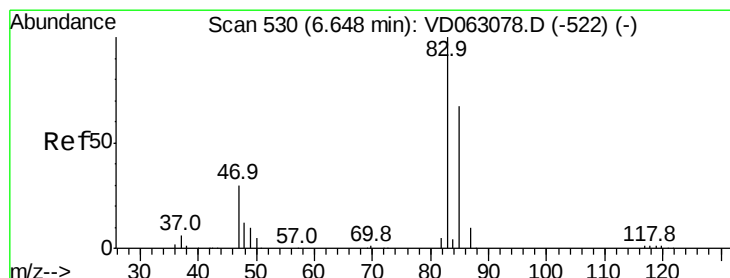
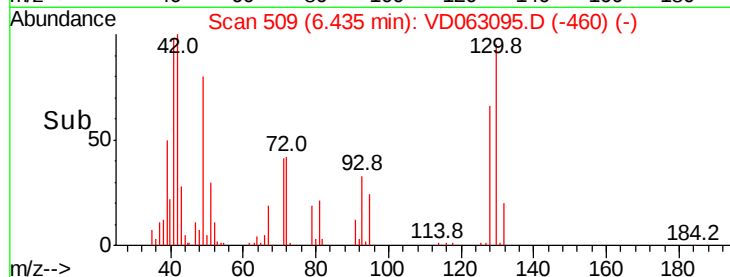
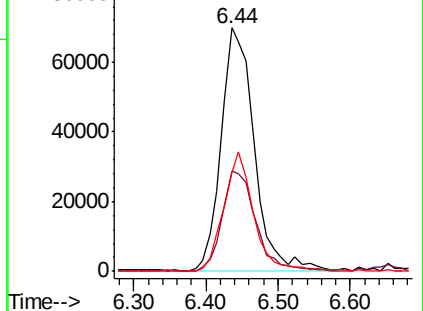
71 44.3 34.2 51.2



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.569 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: VD063095.D

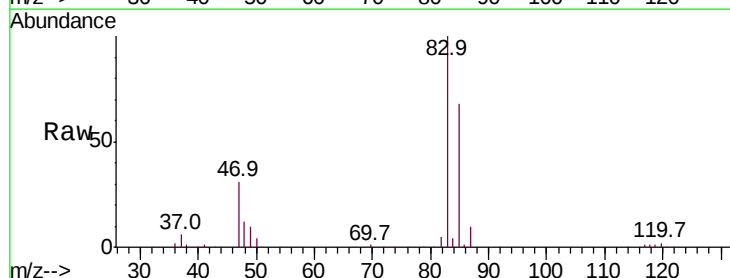
Acq: 16 Jul 2019 9:55

Tgt Ion: 83 Resp: 838797

Ion Ratio Lower Upper

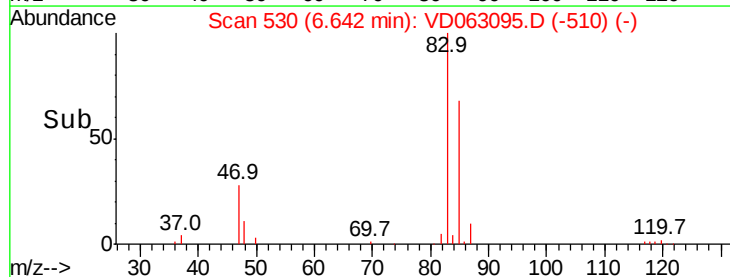
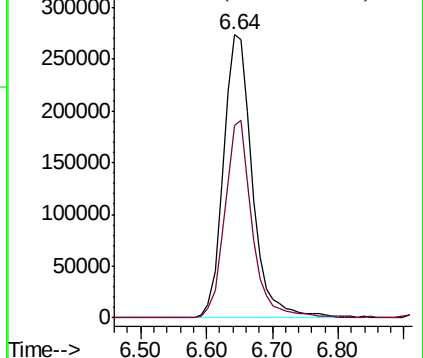
83 100

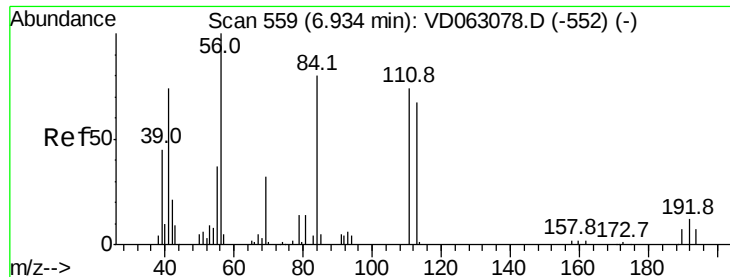
85 68.2 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

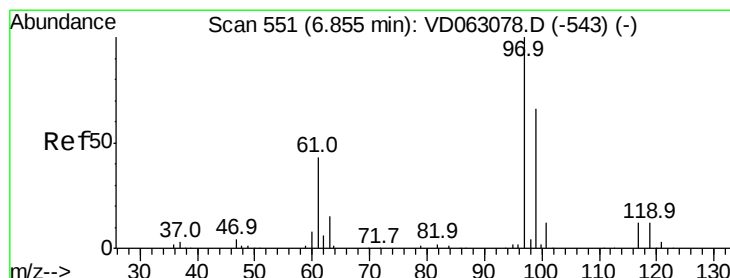
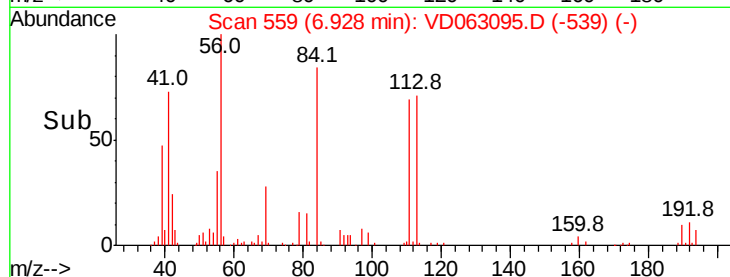
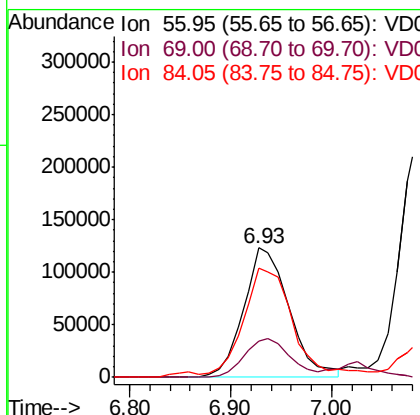
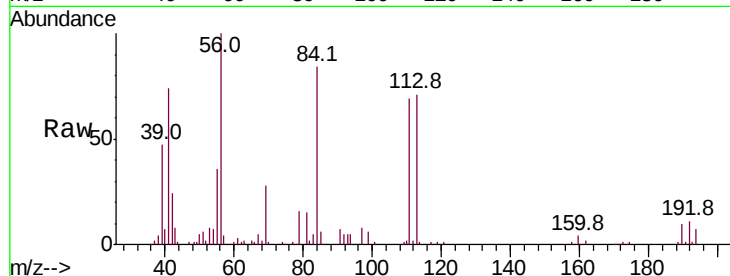




#31
Cyclohexane
Concen: 46.744 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

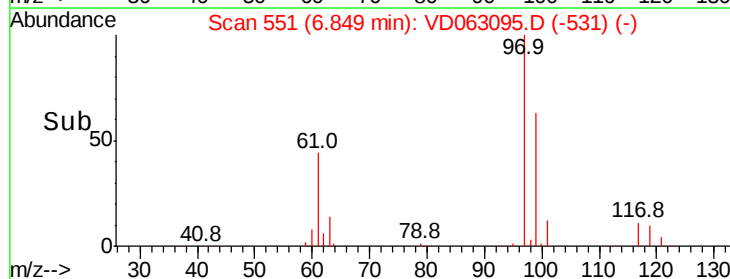
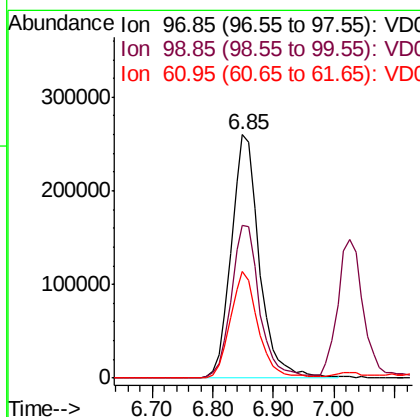
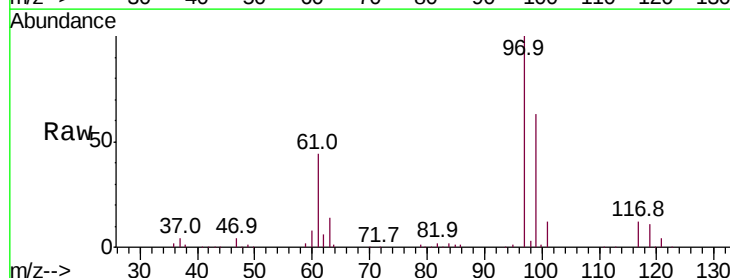
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

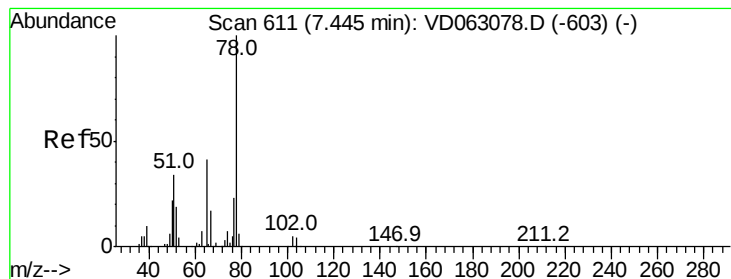
Tot Ion: 56 Resp: 385684
Ion Ratio Lower Upper
56 100
69 28.5 25.3 37.9
84 84.5 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 53.102 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 97 Resp: 835520
Ion Ratio Lower Upper
97 100
99 62.6 52.9 79.3
61 43.6 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 50.431 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

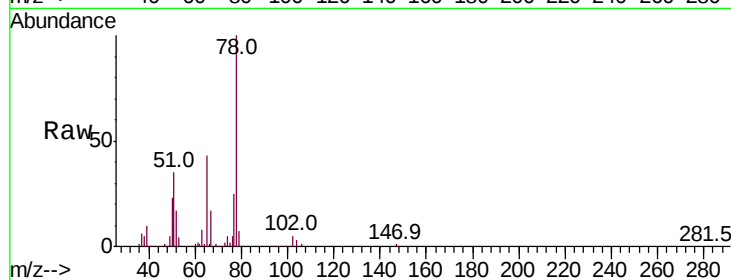
VSTDCCC050

Tot Ion: 65 Resp: 437100

Ion Ratio Lower Upper

65 100

67 40.5 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

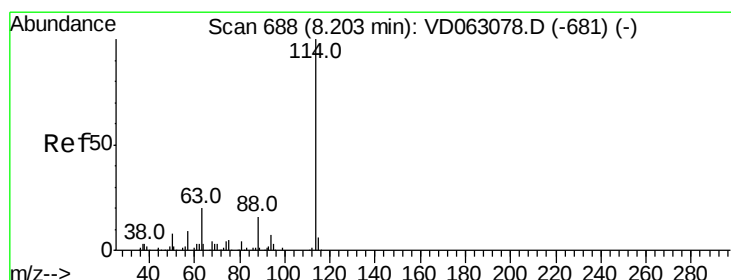
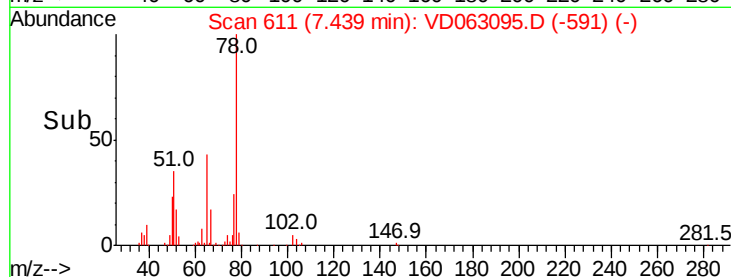
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

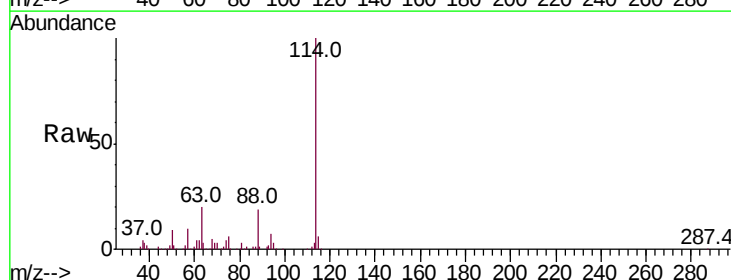
Tgt Ion: 114 Resp: 998924

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

88 19.1 0.0 32.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

500000

400000

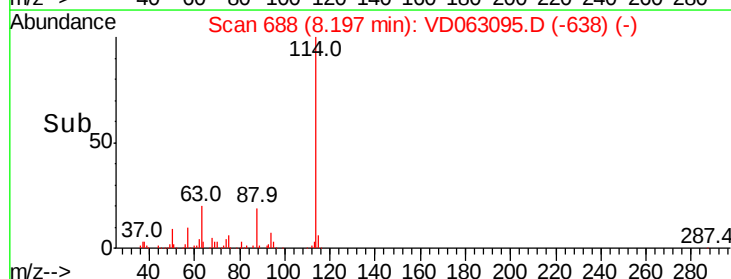
300000

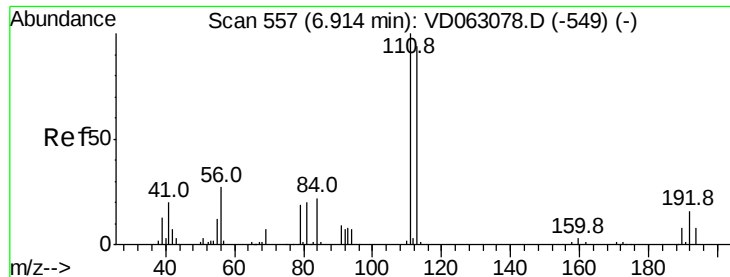
200000

100000

0

Time--> 8.10 8.20 8.30 8.40

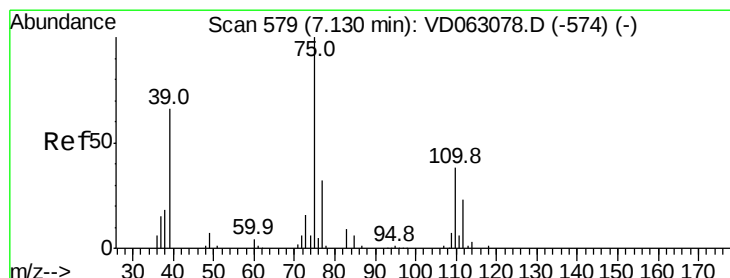
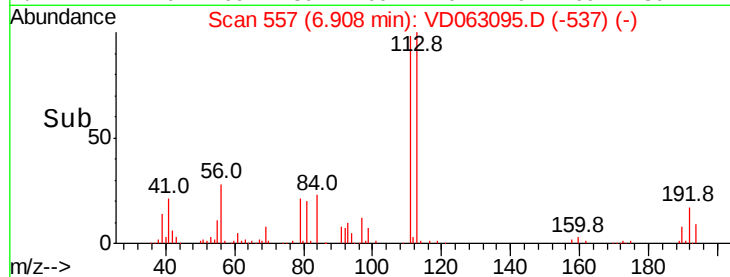
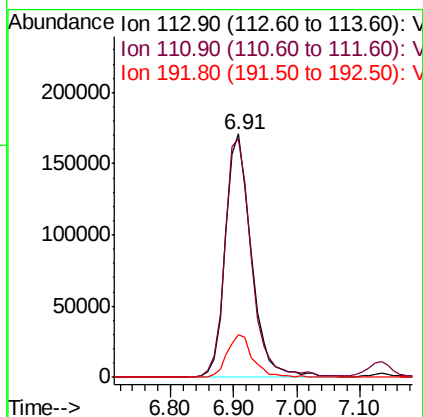
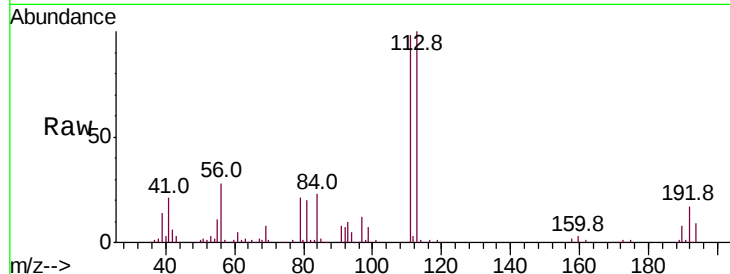




#35
 Dibromofluoromethane
 Concen: 48.971 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

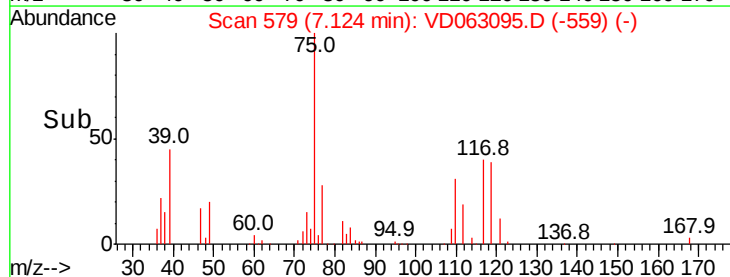
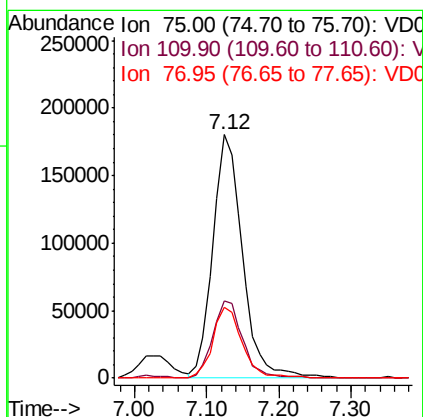
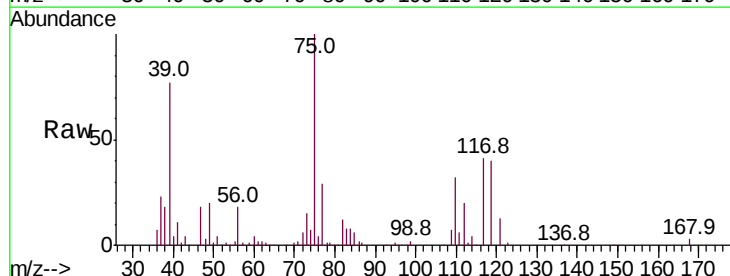
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

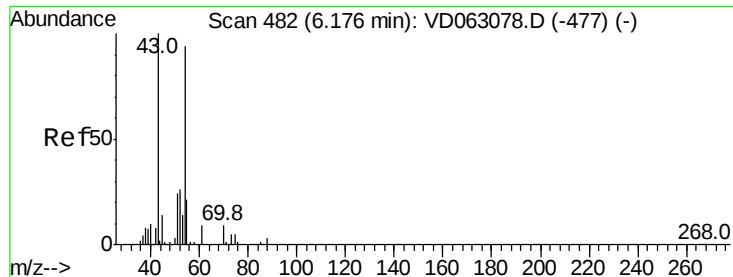
Tot Ion:113 Resp: 487242
 Ion Ratio Lower Upper
 113 100
 111 98.1 84.8 127.2
 192 17.4 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 45.266 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Tgt Ion: 75 Resp: 508549
 Ion Ratio Lower Upper
 75 100
 110 31.9 18.9 56.5
 77 29.3 25.2 37.8

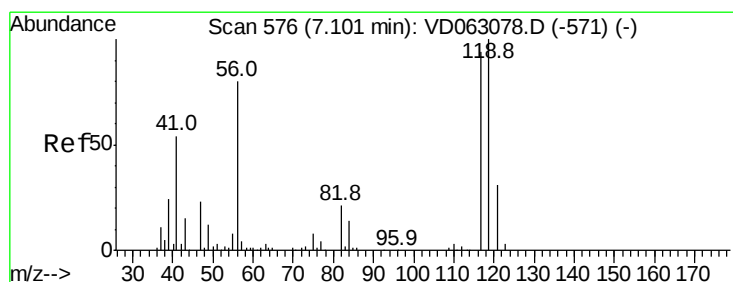
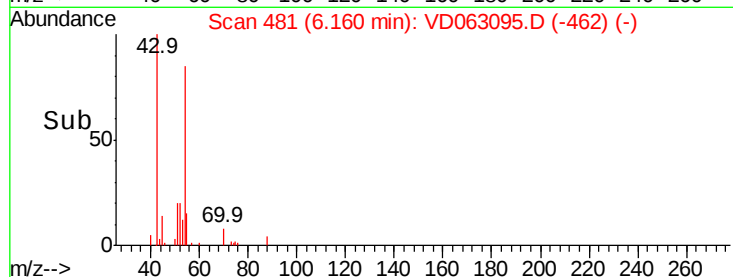
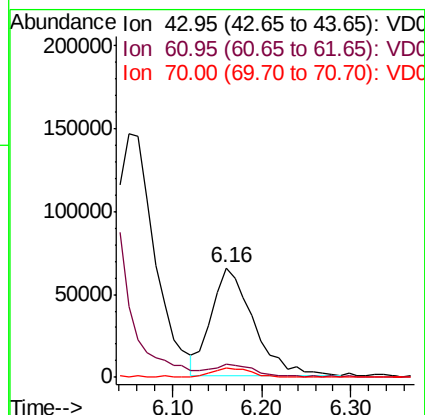
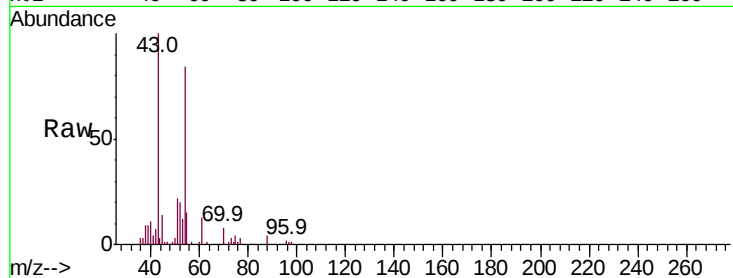




#37
Ethyl Acetate
Concen: 44.432 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.02 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

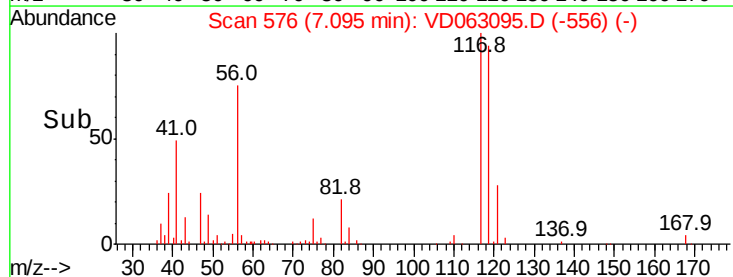
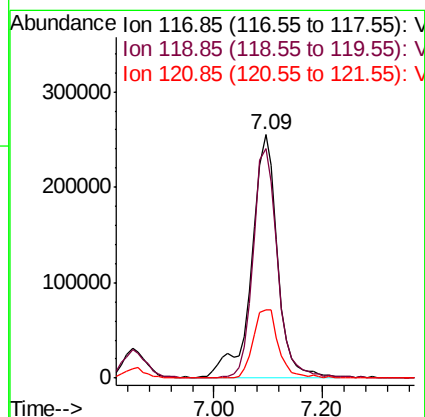
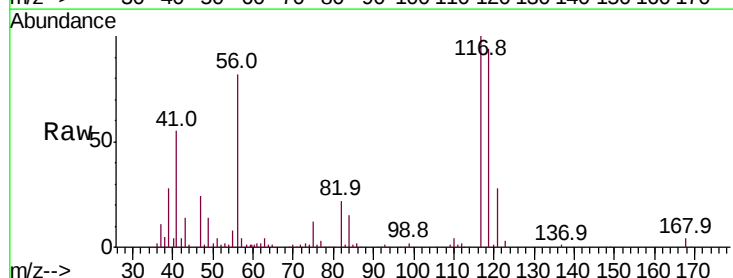
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

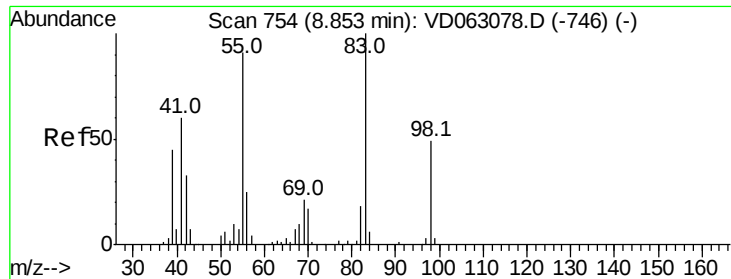
Tot Ion: 43 Resp: 213637
Ion Ratio Lower Upper
43 100
61 12.6 10.6 16.0
70 8.2 6.6 9.8



#38
Carbon Tetrachloride
Concen: 49.771 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 117 Resp: 849650
Ion Ratio Lower Upper
117 100
119 94.3 80.0 120.0
121 28.2 25.0 37.4

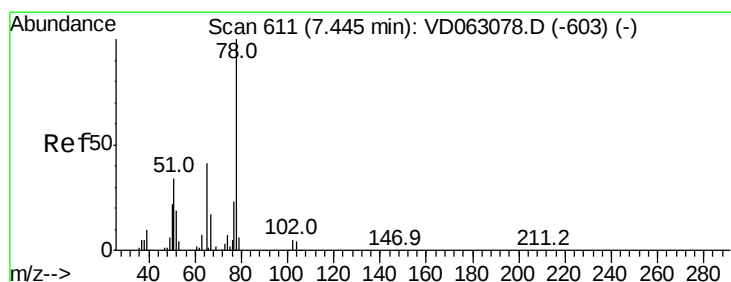
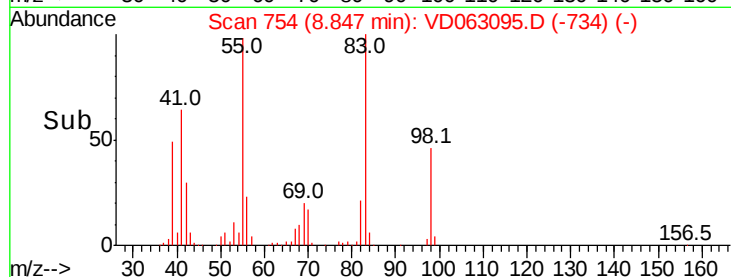
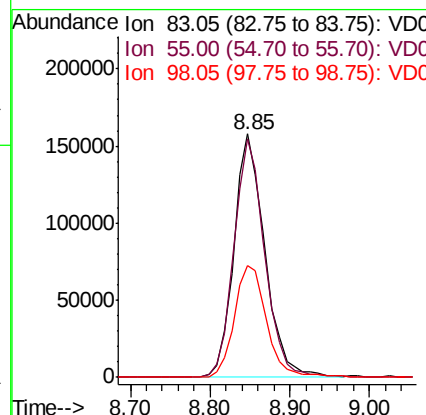
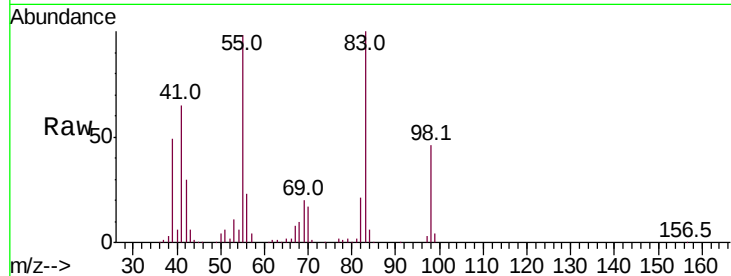




#39
Methvlcvclohexane
Concen: 43.980 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

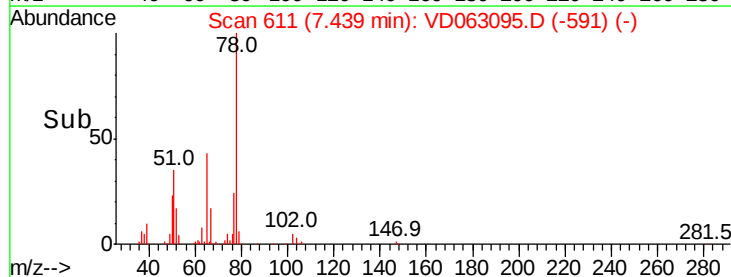
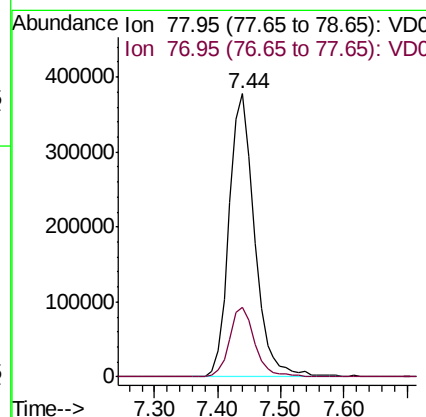
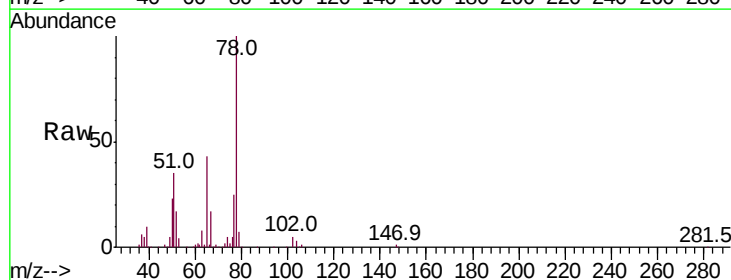
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

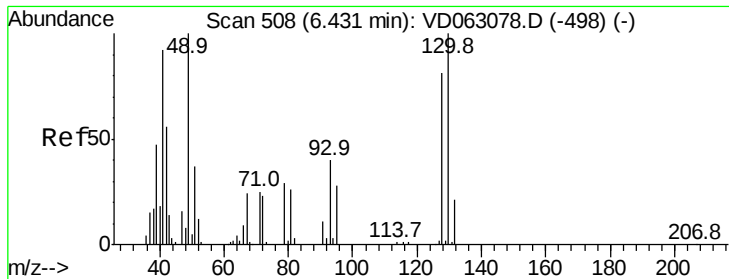
Tot Ion: 83 Resp: 427175
Ion Ratio Lower Upper
83 100
55 98.1 73.0 109.4
98 45.6 39.4 59.0



#40
Benzene
Concen: 45.067 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 78 Resp: 1060423
Ion Ratio Lower Upper
78 100
77 24.5 18.1 27.1

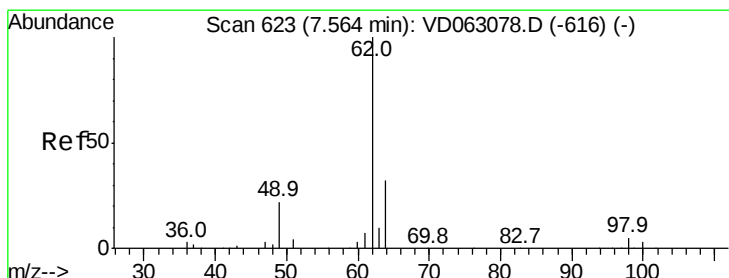
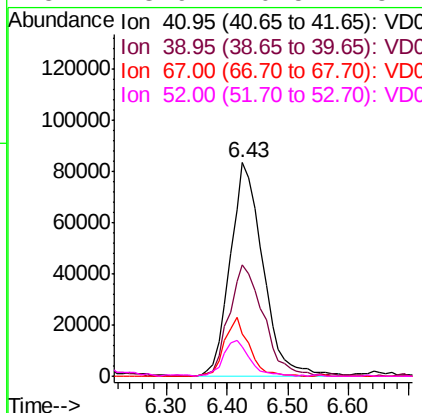
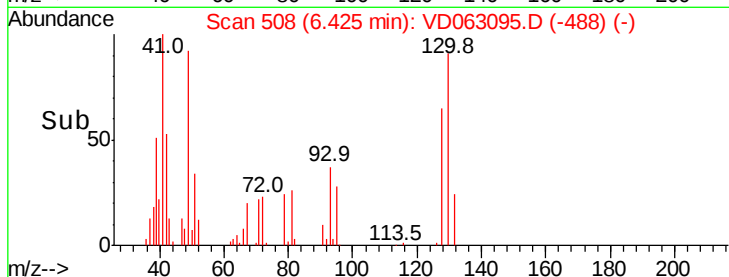
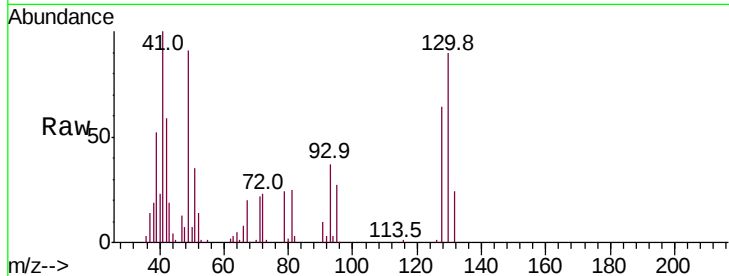




#41
Methacrylonitrile
Concen: 48.199 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

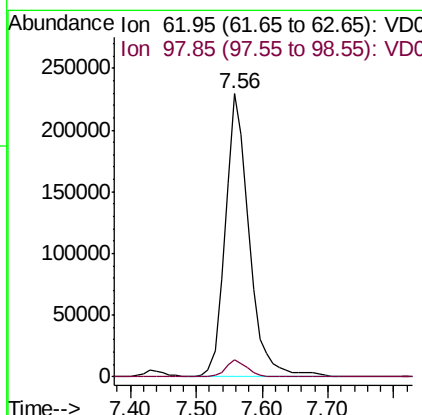
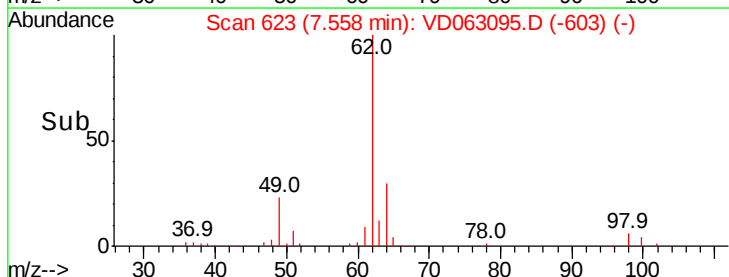
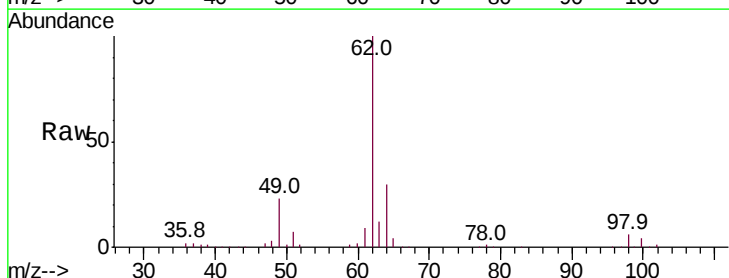
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

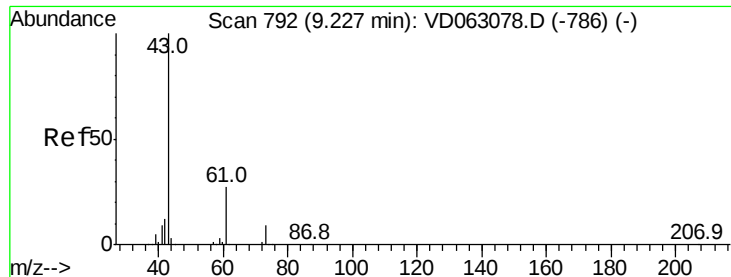
Tot Ion: 41 Resp: 314198
Ion Ratio Lower Upper
41 100
39 51.9 41.0 61.6
67 19.7 21.3 31.9#
52 13.9 10.5 15.7



#42
1,2-Dichloroethane
Concen: 46.500 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 62 Resp: 582918
Ion Ratio Lower Upper
62 100
98 5.9 0.0 9.6





#43

Isopropyl Acetate

Concen: 45.593 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

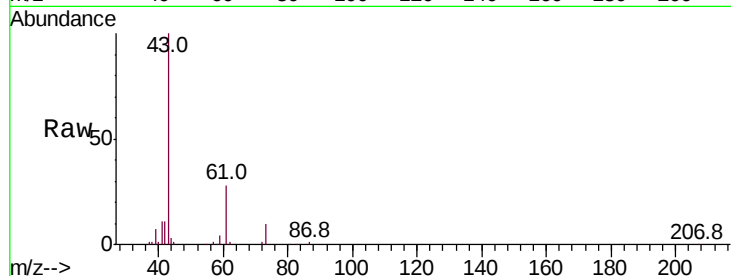
Tot Ion: 43 Resp: 314215

Ion Ratio Lower Upper

43 100

61 27.6 21.7 32.5

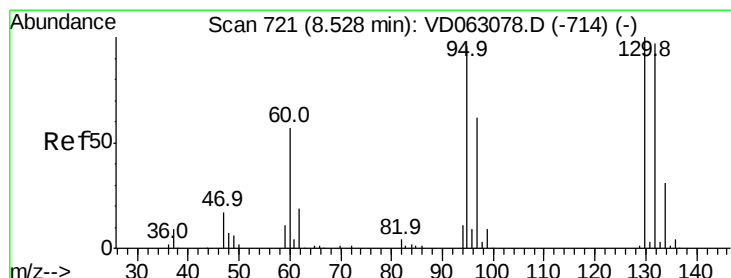
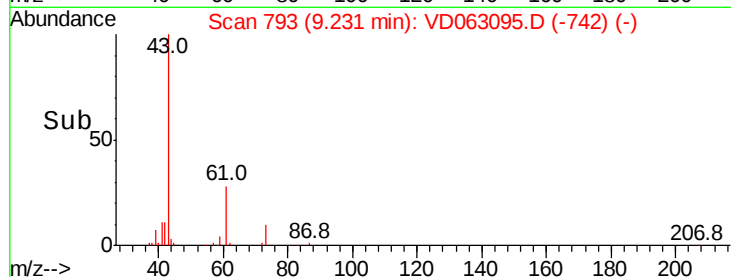
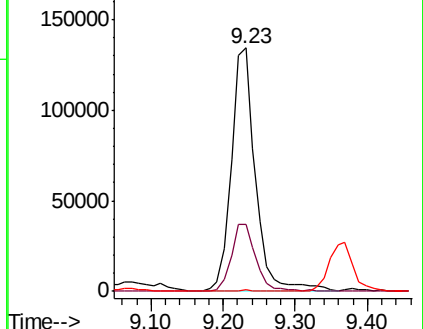
87 0.6 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.206 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063095.D

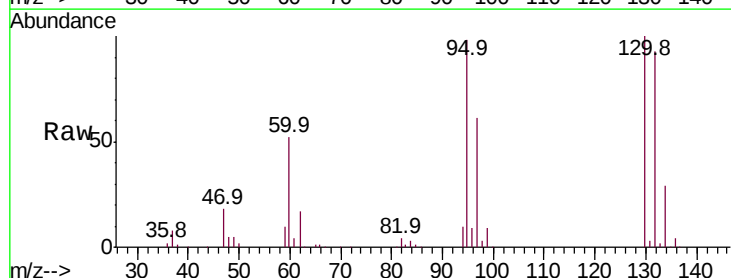
Acq: 16 Jul 2019 9:55

Tgt Ion: 130 Resp: 429274

Ion Ratio Lower Upper

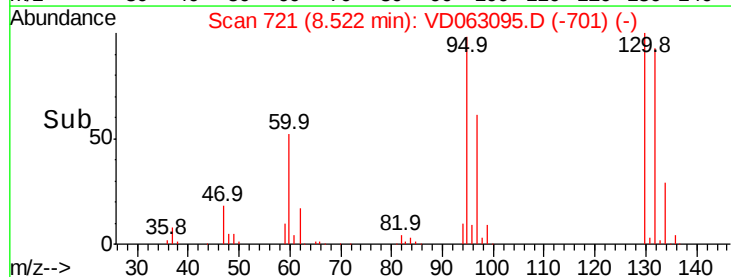
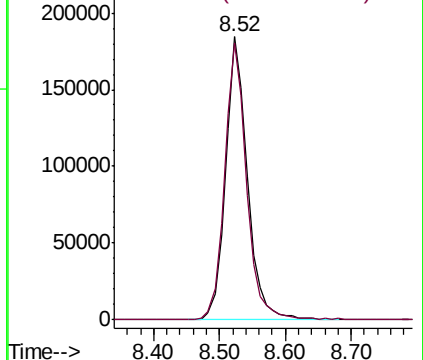
130 100

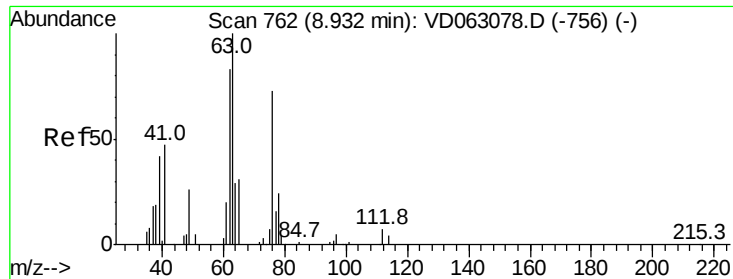
95 97.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.296 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

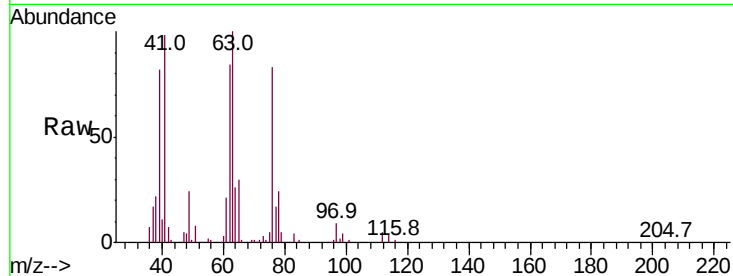
VSTDCCC050

Tot Ion: 63 Resp: 277466

Ion Ratio Lower Upper

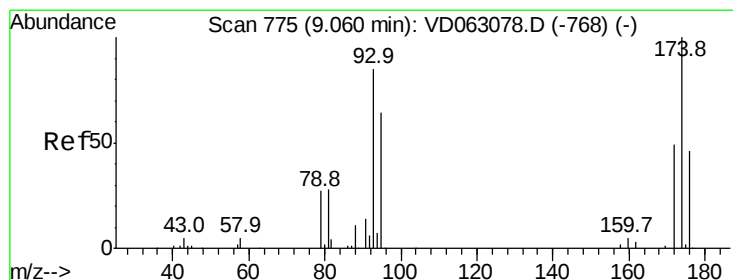
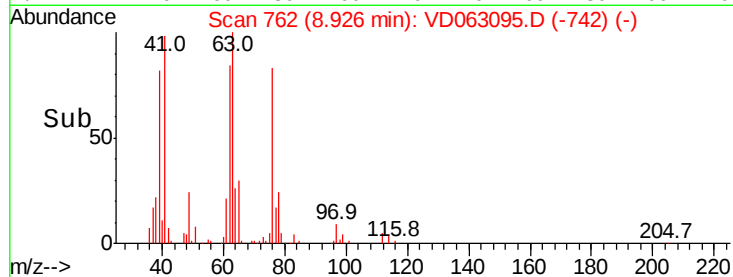
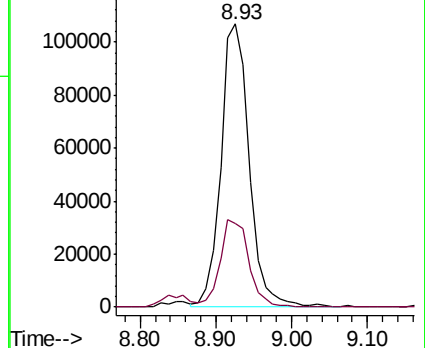
63 100

65 29.5 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 45.379 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

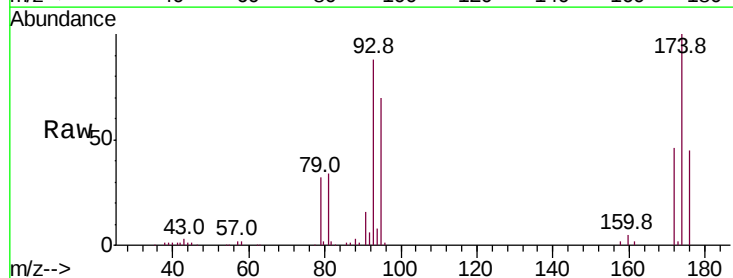
Tgt Ion: 93 Resp: 228766

Ion Ratio Lower Upper

93 100

95 79.2 59.7 89.5

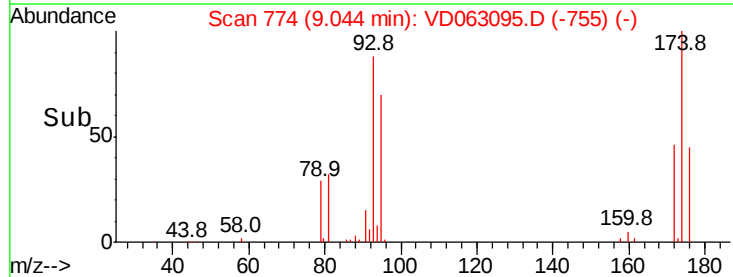
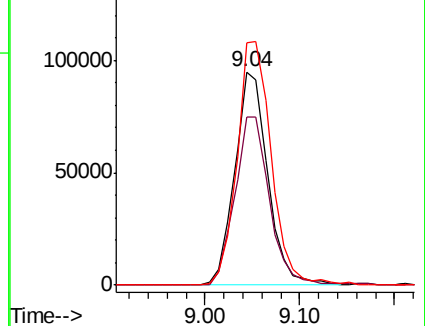
174 113.5 93.9 140.9

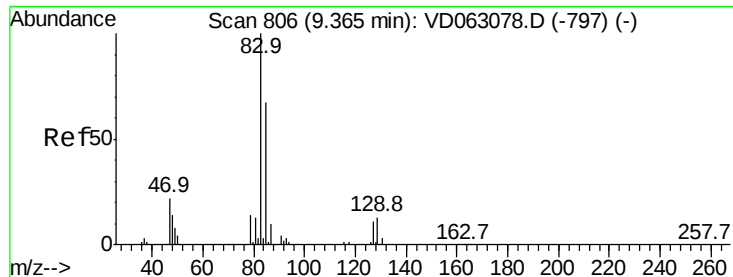


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 48.017 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

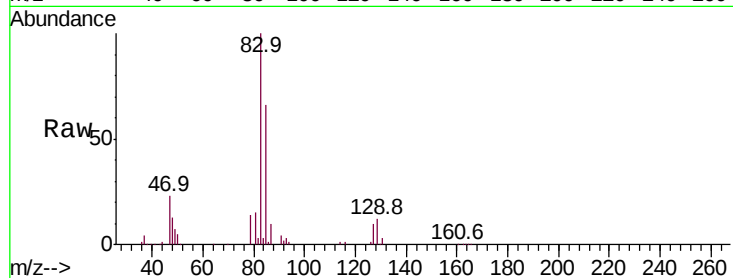
Tot Ion: 83 Resp: 631673

Ion Ratio Lower Upper

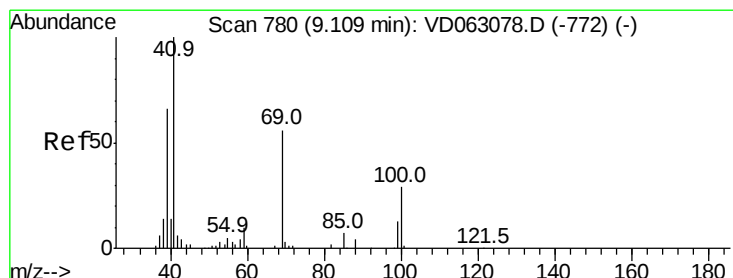
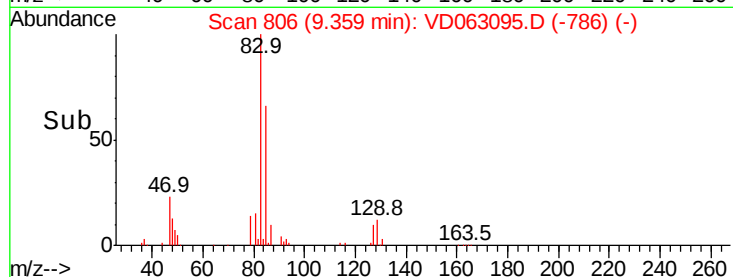
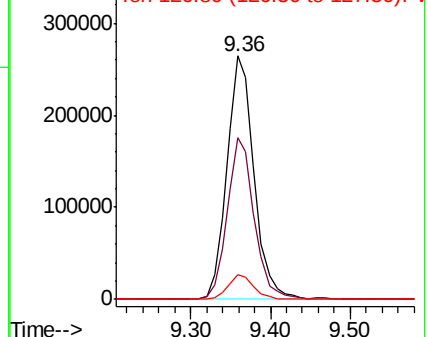
83 100

85 66.2 53.7 80.5

127 10.2 9.0 13.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 44.540 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

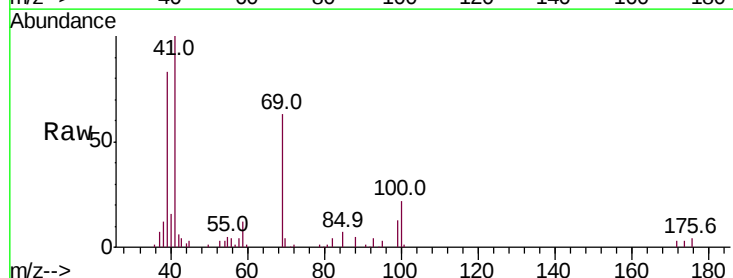
Tgt Ion: 41 Resp: 201578

Ion Ratio Lower Upper

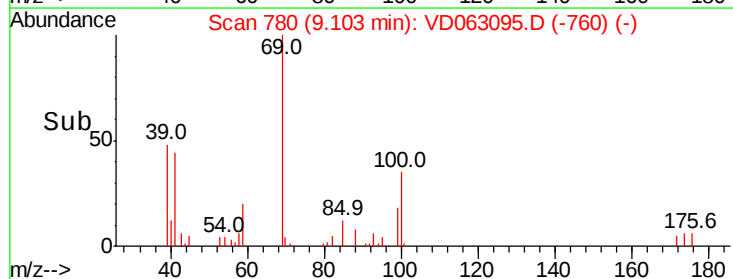
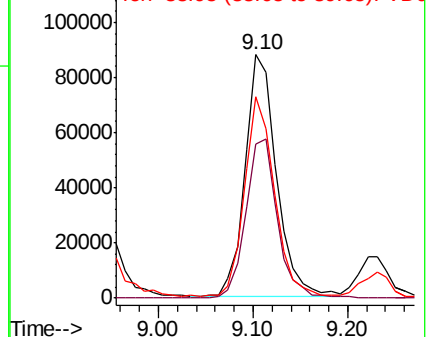
41 100

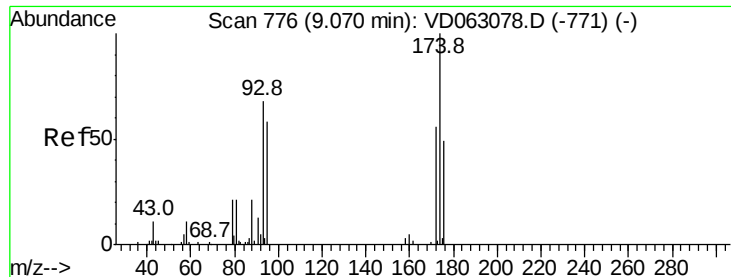
69 63.1 44.3 66.5

39 82.8 52.6 78.8#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 936.343 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

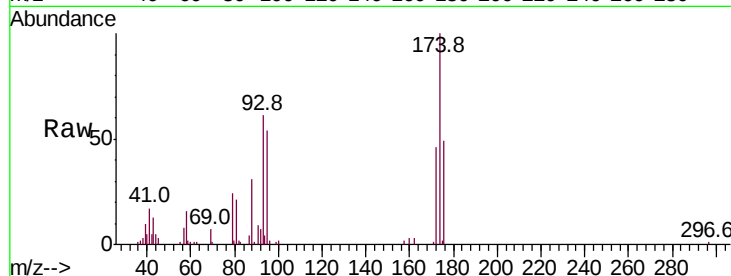
Tot Ion: 88 Resp: 36547

Ion Ratio Lower Upper

88 100

43 43.1 40.2 60.4

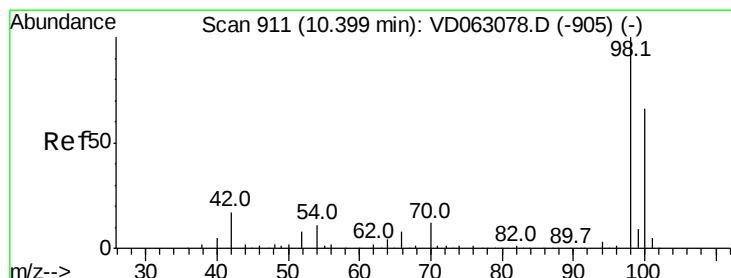
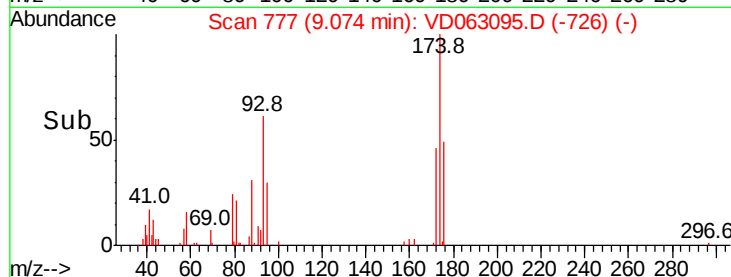
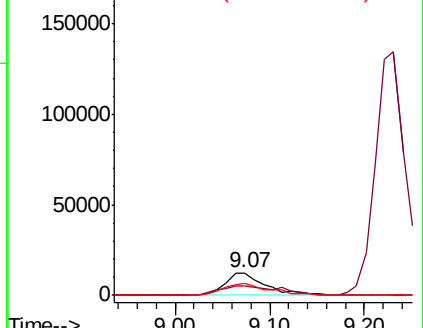
58 53.0 41.6 62.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 44.699 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063095.D

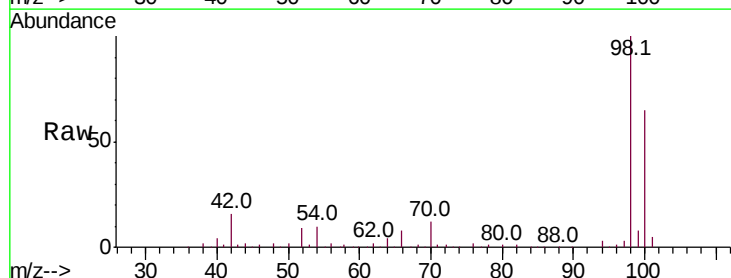
Acq: 16 Jul 2019 9:55

Tgt Ion: 98 Resp: 955293

Ion Ratio Lower Upper

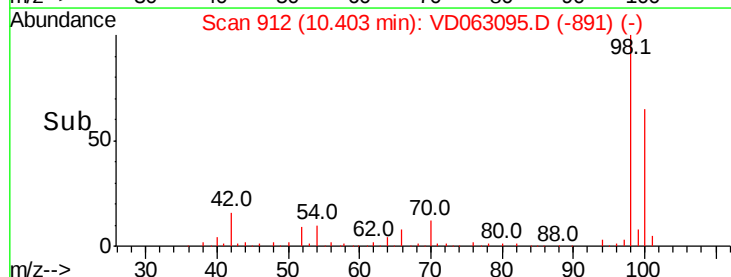
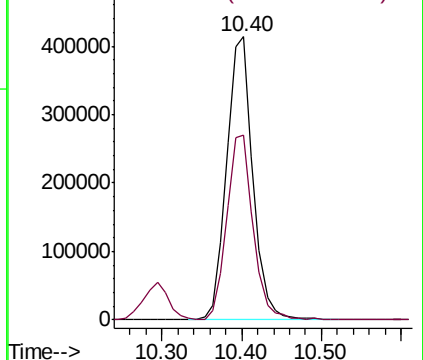
98 100

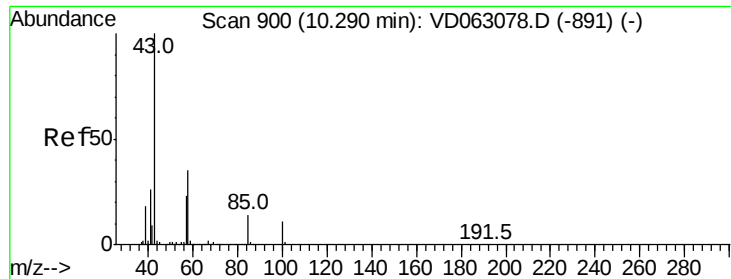
100 65.4 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 242.381 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

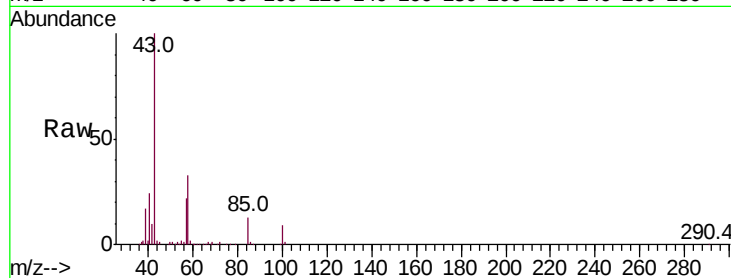
VSTDCCC050

Tot Ion: 43 Resp: 1107929

Ion Ratio Lower Upper

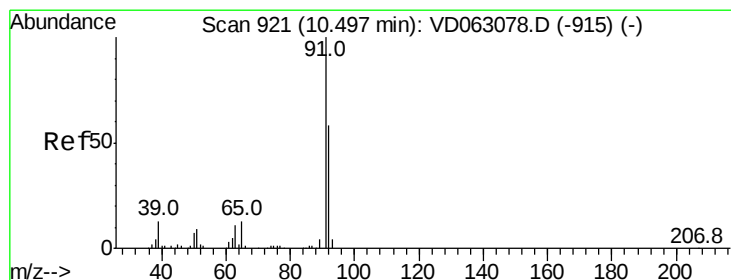
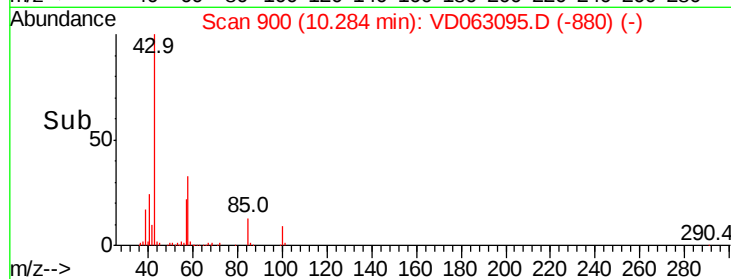
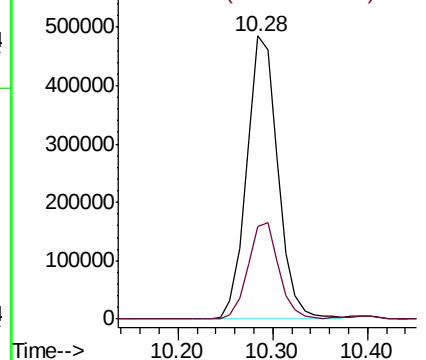
43 100

58 32.6 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.470 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063095.D

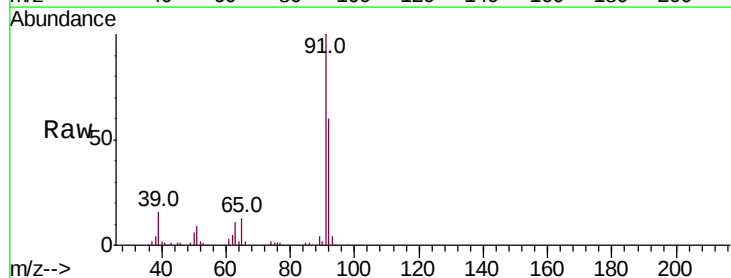
Acq: 16 Jul 2019 9:55

Tgt Ion: 92 Resp: 745881

Ion Ratio Lower Upper

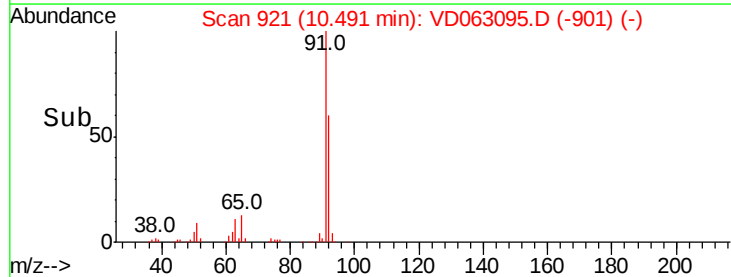
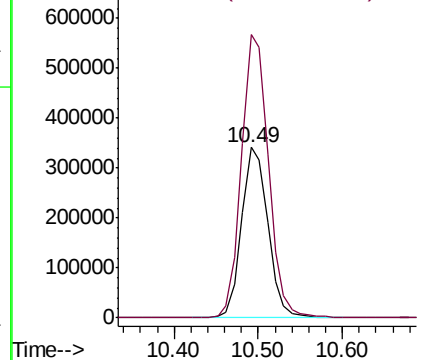
92 100

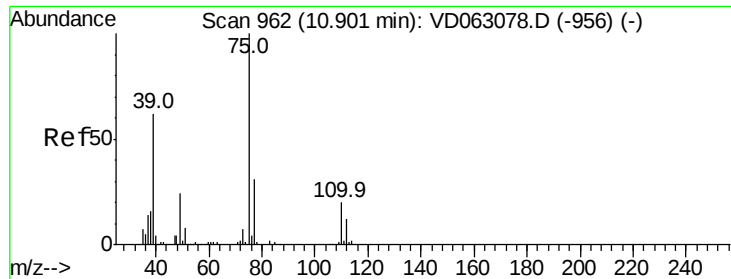
91 165.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

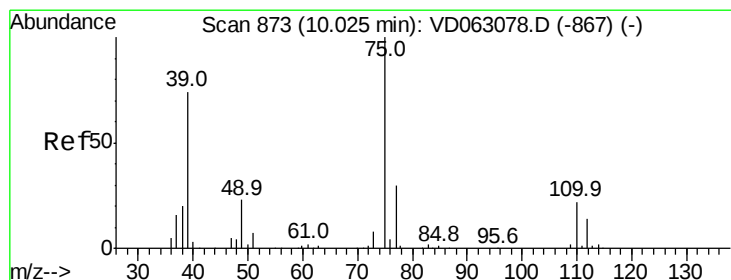
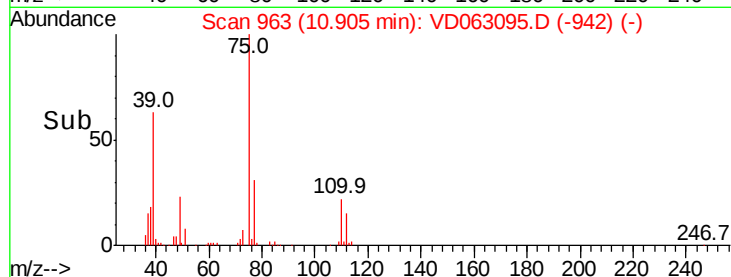
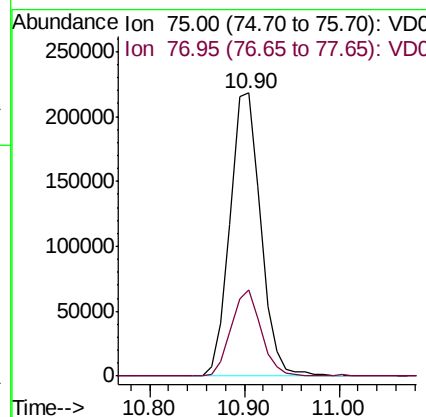
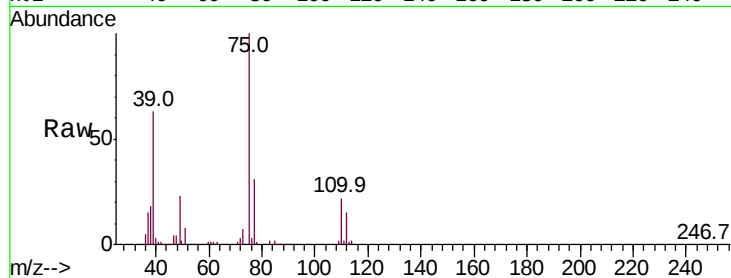




#53
 t-1,3-Dichloropropene
 Concen: 43.531 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

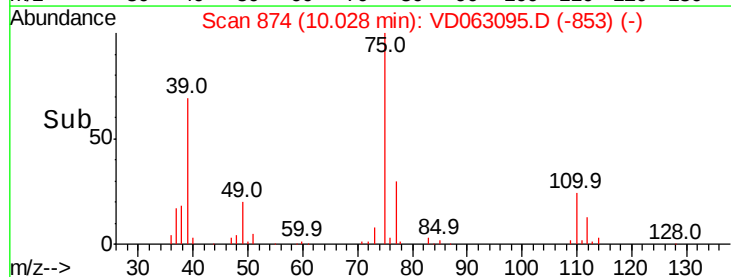
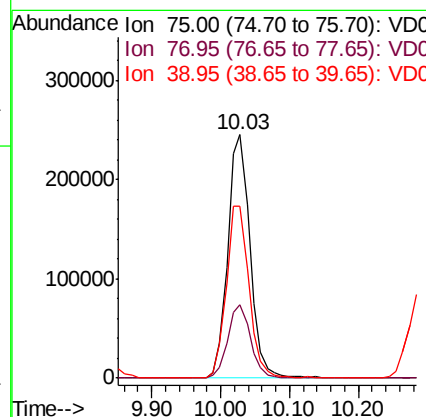
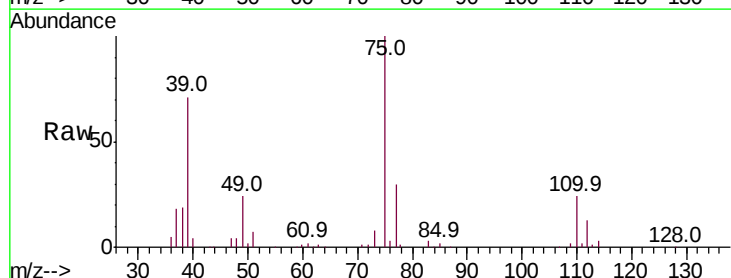
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

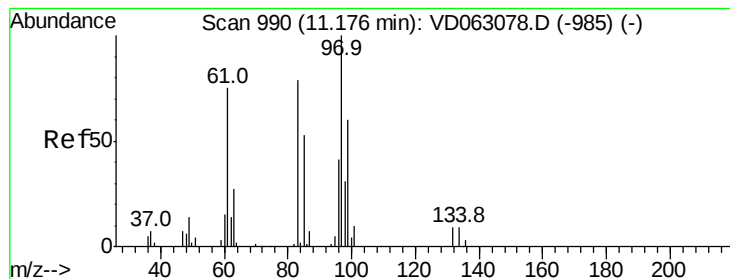
Tot Ion: 75 Resp: 490626
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 47.074 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Tgt Ion: 75 Resp: 548592
 Ion Ratio Lower Upper
 75 100
 77 30.4 23.9 35.9
 39 70.7 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 46.442 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 252180

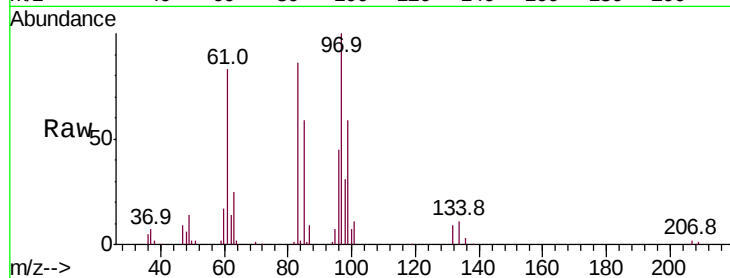
Ion Ratio Lower Upper

97 100

83 86.4 63.2 94.8

85 58.6 42.0 63.0

99 59.0 48.3 72.5

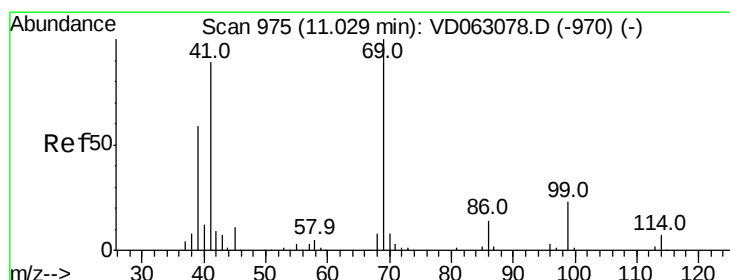
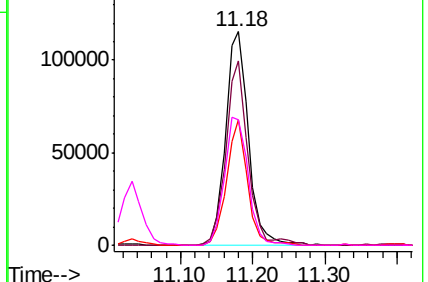
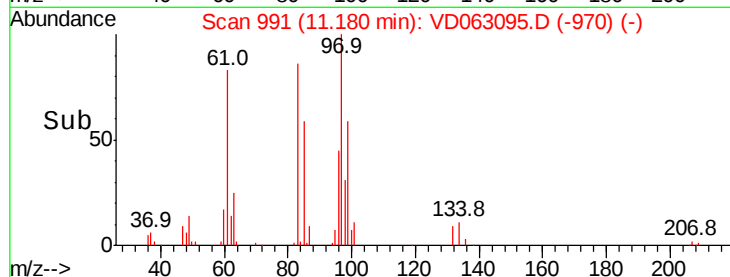


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 48.243 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

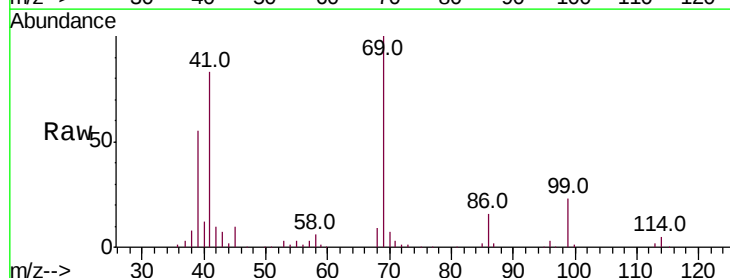
Tgt Ion: 69 Resp: 292688

Ion Ratio Lower Upper

69 100

41 82.9 71.0 106.4

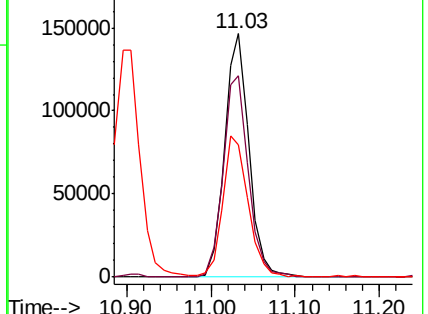
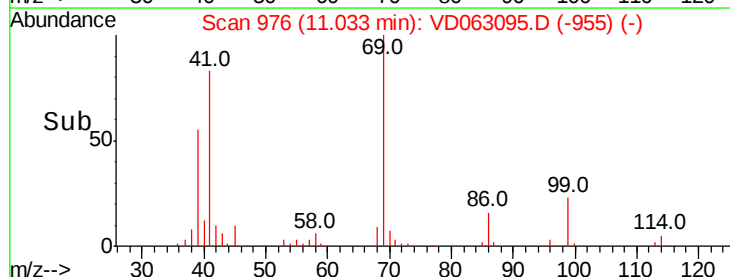
39 54.6 47.7 71.5

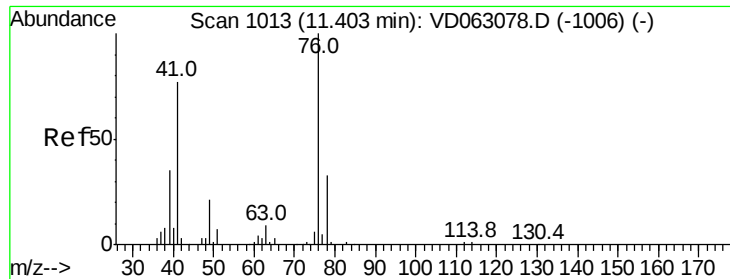


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 48.904 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

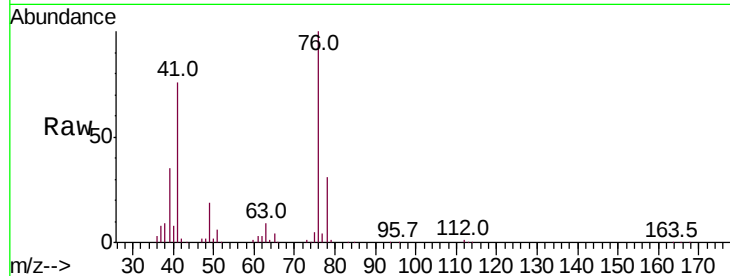
VSTDCCC050

Tot Ion: 76 Resp: 404075

Ion Ratio Lower Upper

76 100

78 30.6 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

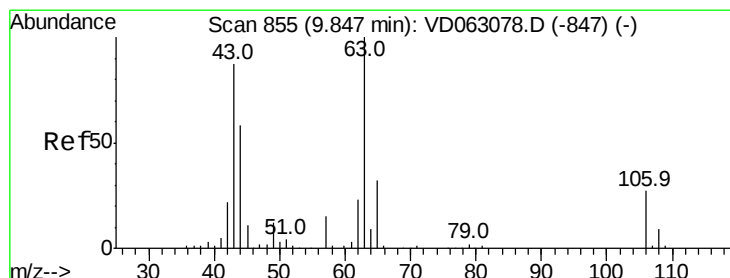
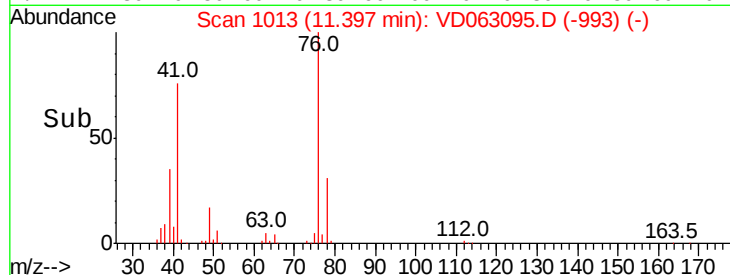
100000

50000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 228.812 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063095.D

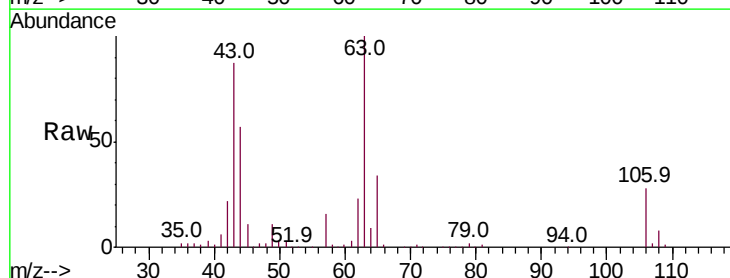
Acq: 16 Jul 2019 9:55

Tgt Ion: 63 Resp: 772958

Ion Ratio Lower Upper

63 100

106 27.6 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

400000

300000

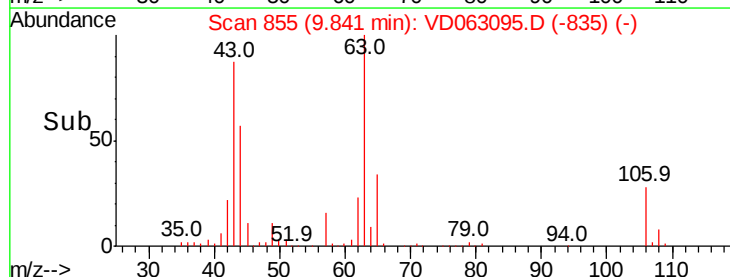
200000

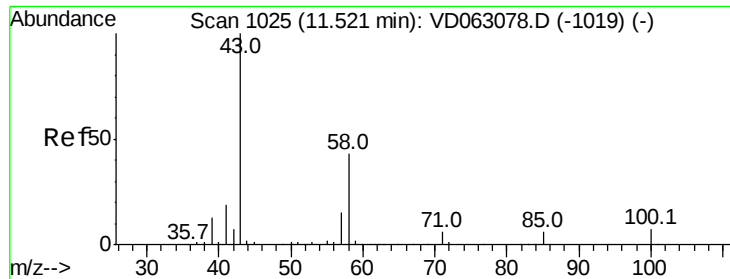
100000

0

9.70 9.80 9.90 10.00

Time-->

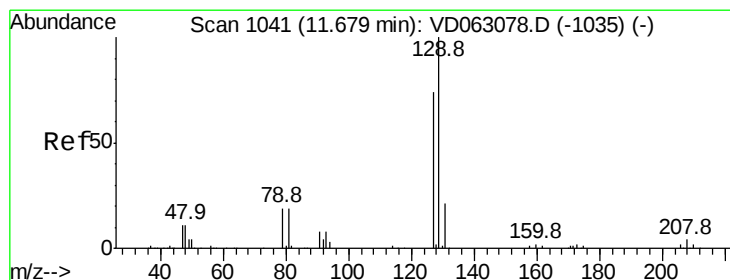
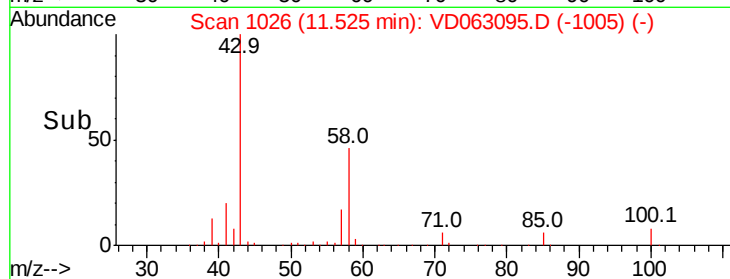
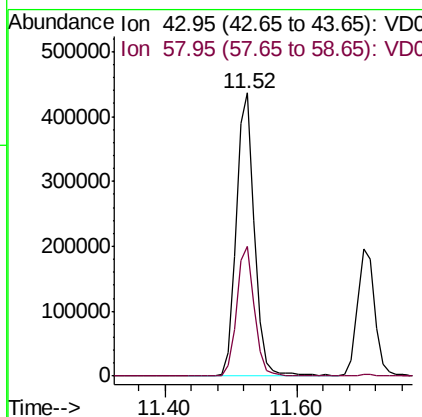
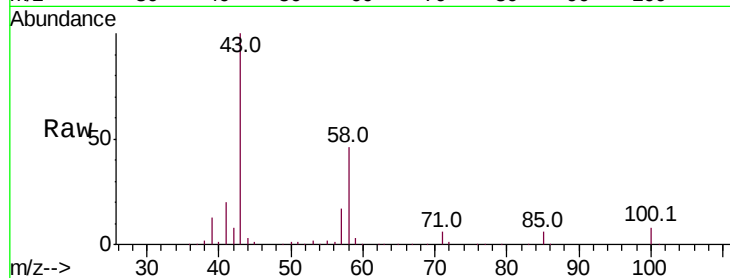




#59
2-Hexanone
Concen: 239.749 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

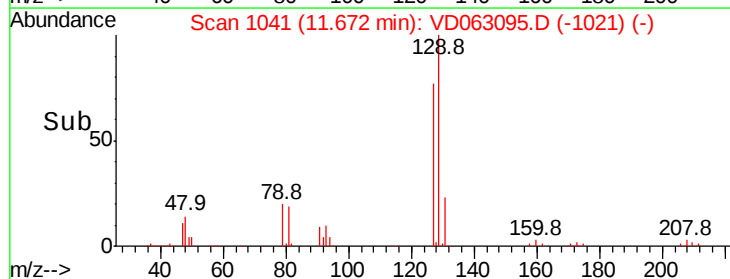
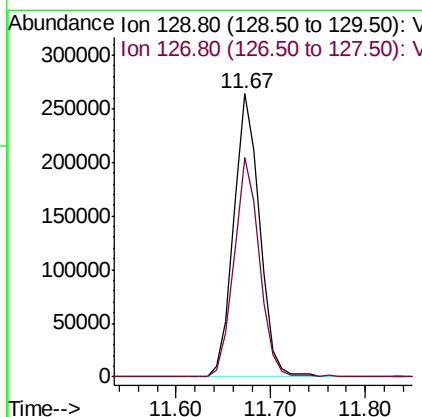
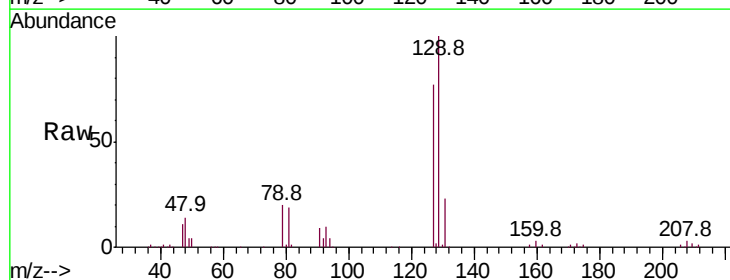
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

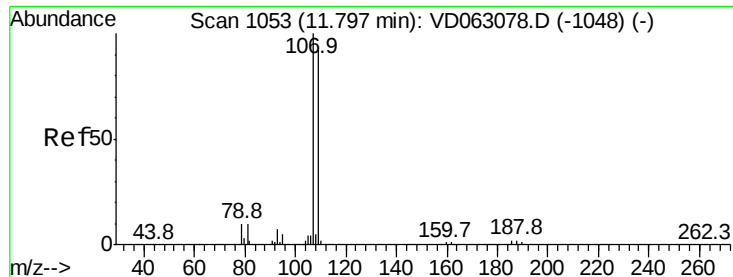
Tot Ion: 43 Resp: 845167
Ion Ratio Lower Upper
43 100
58 45.7 21.7 65.1



#60
Dibromochloromethane
Concen: 48.081 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 129 Resp: 500464
Ion Ratio Lower Upper
129 100
127 77.3 37.0 110.9





#61

1,2-Dibromoethane

Concen: 46.293 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

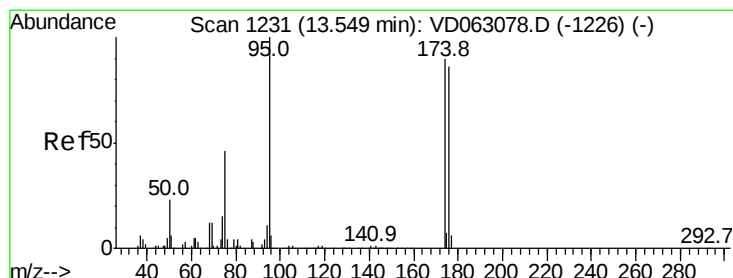
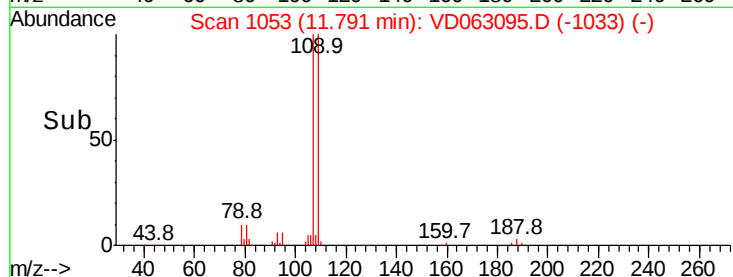
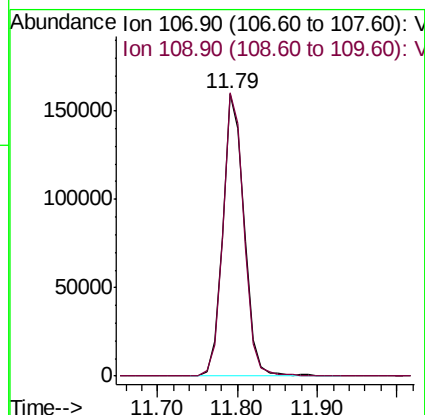
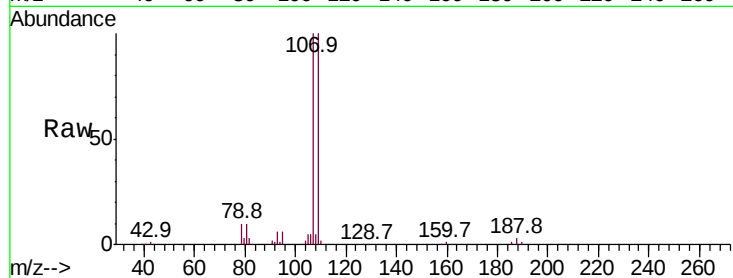
VSTDCCC050

Tot Ion:107 Resp: 300891

Ion Ratio Lower Upper

107 100

109 100.1 73.6 110.4



#62

4-Bromofluorobenzene

Concen: 46.265 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

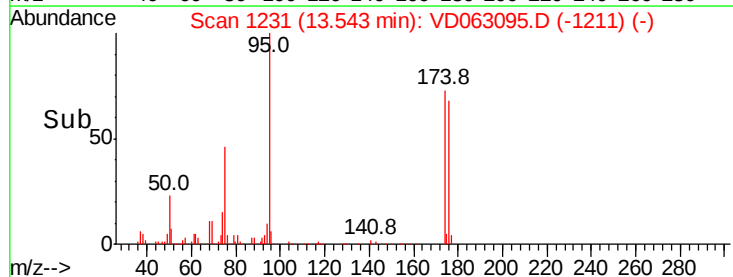
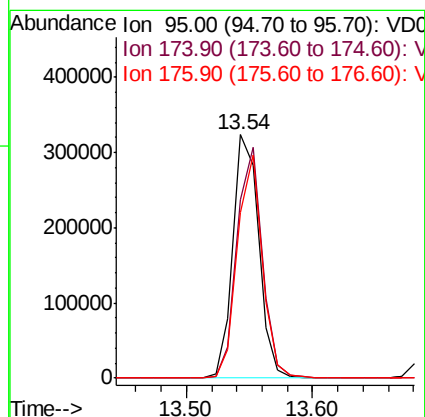
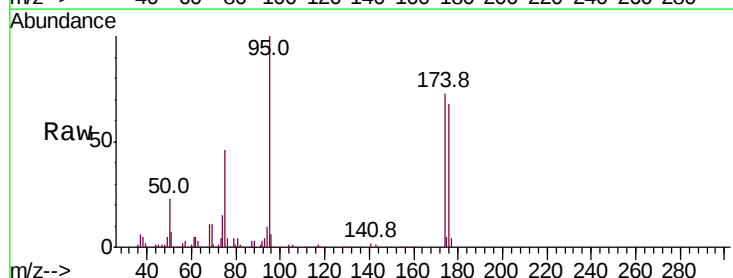
Tgt Ion: 95 Resp: 457439

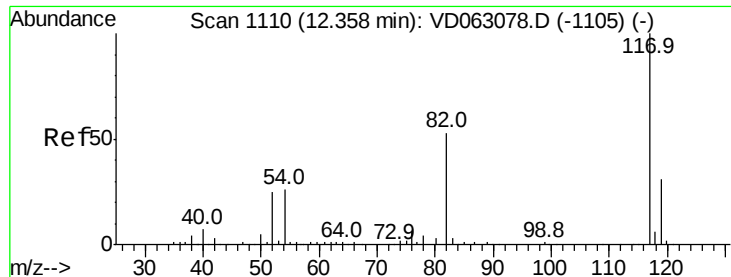
Ion Ratio Lower Upper

95 100

174 73.2 0.0 180.6

176 67.9 0.0 172.2

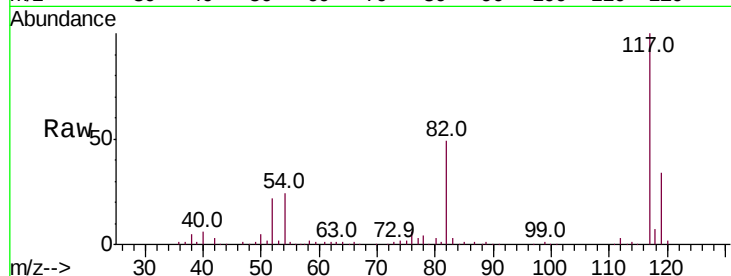




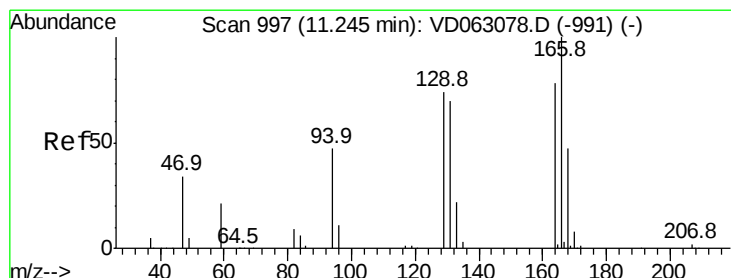
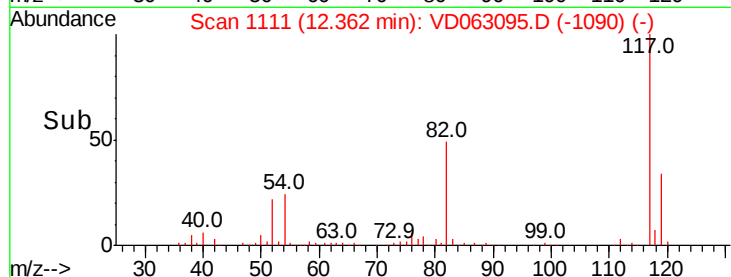
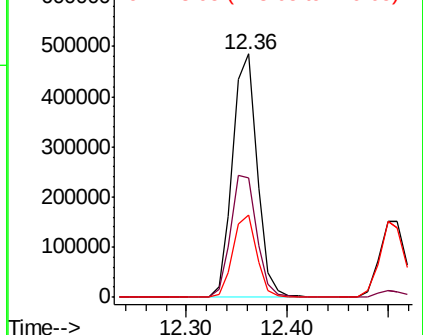
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 825773
Ion Ratio Lower Upper
117 100
82 49.3 42.3 63.5
119 34.0 25.2 37.8

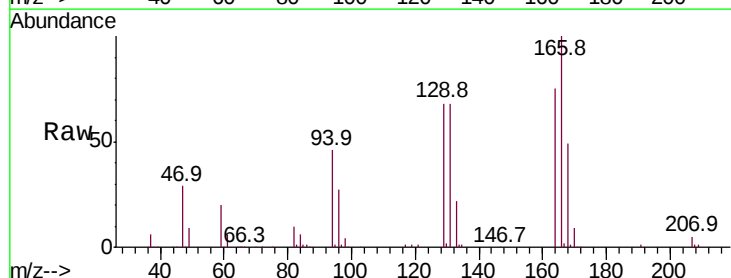


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

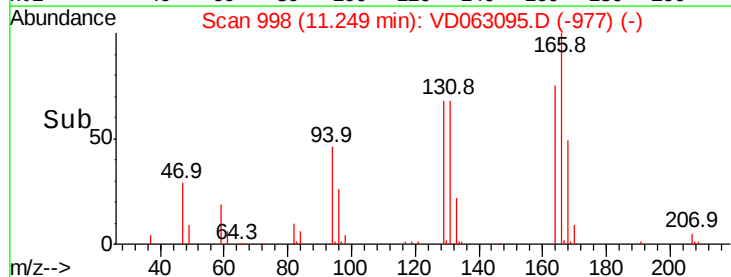
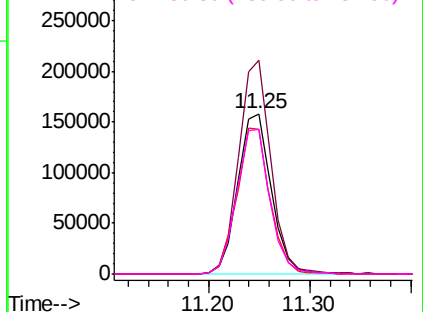


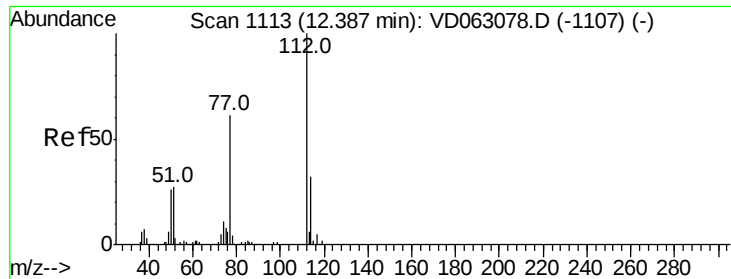
#64
Tetrachloroethene
Concen: 45.471 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion:164 Resp: 364345
Ion Ratio Lower Upper
164 100
166 133.4 102.8 154.2
129 90.5 76.4 114.6
131 90.3 71.7 107.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

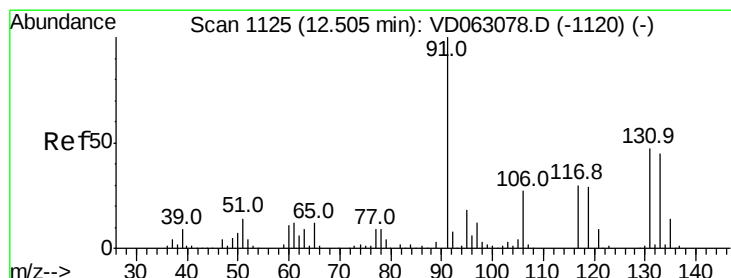
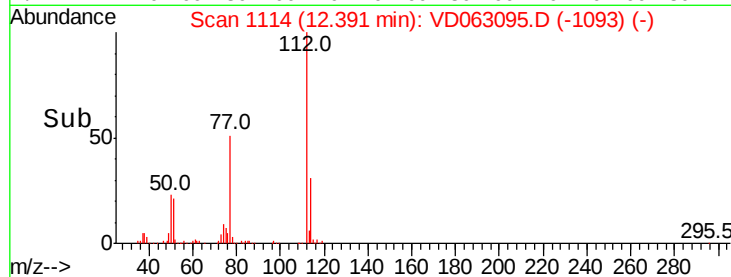
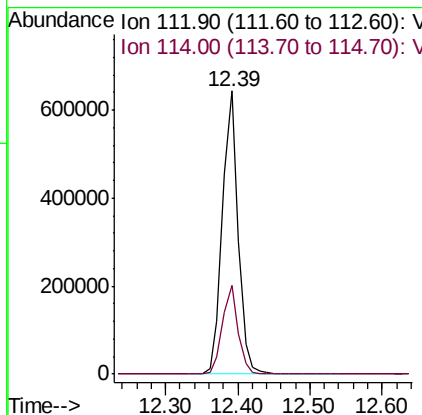
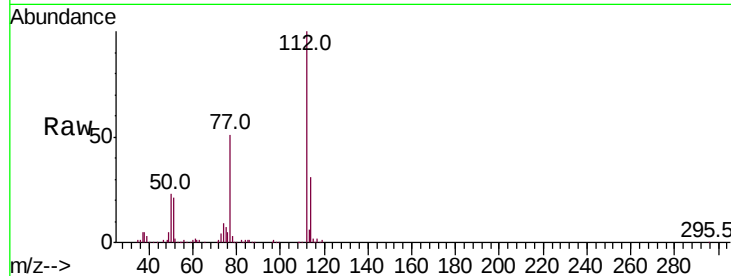




#65
Chlorobenzene
Concen: 49.655 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

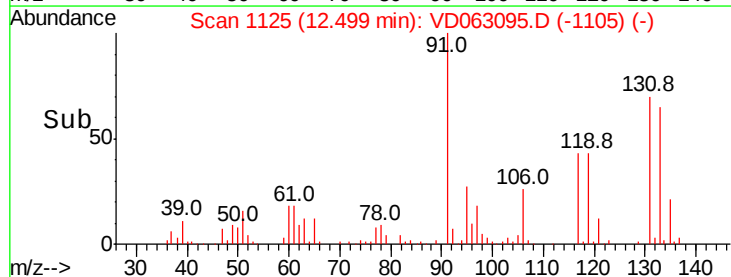
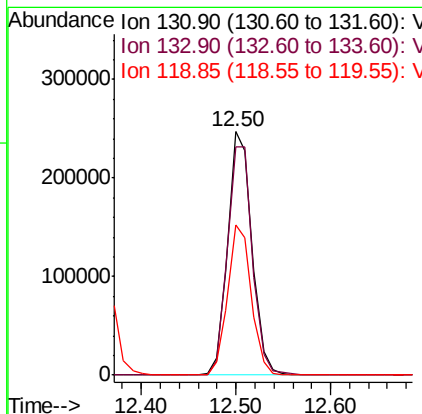
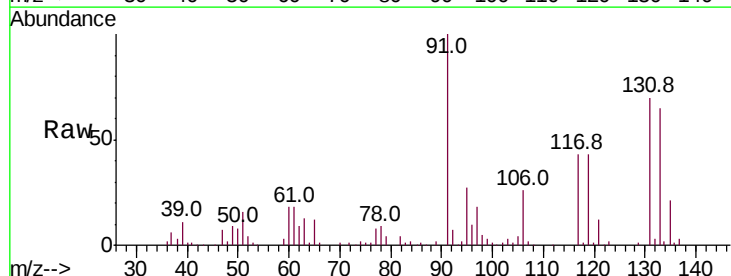
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

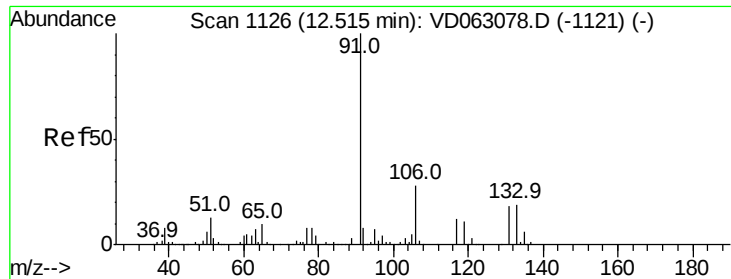
Tot Ion:112 Resp: 963878
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.430 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion:131 Resp: 435856
Ion Ratio Lower Upper
131 100
133 93.8 48.5 145.6
119 61.5 30.8 92.3

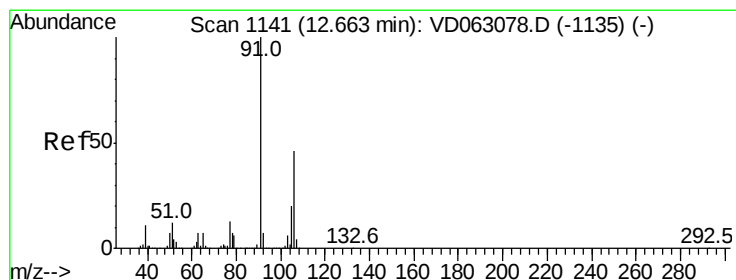
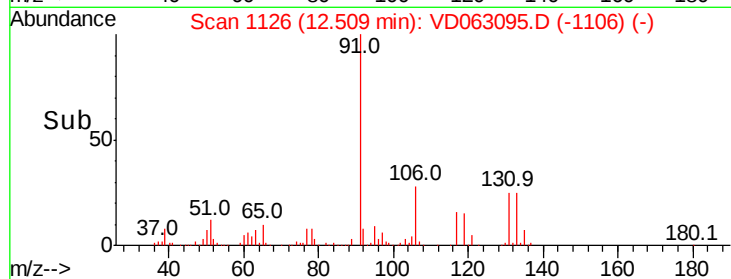
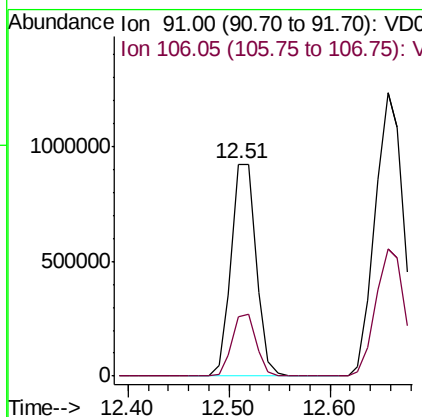
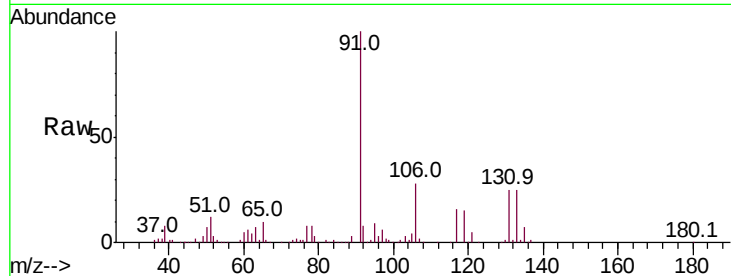




#67
Ethyl Benzene
Concen: 47.455 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

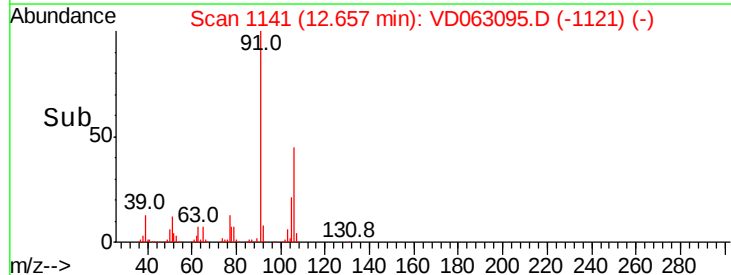
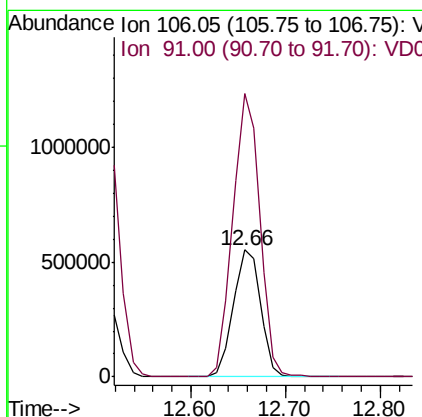
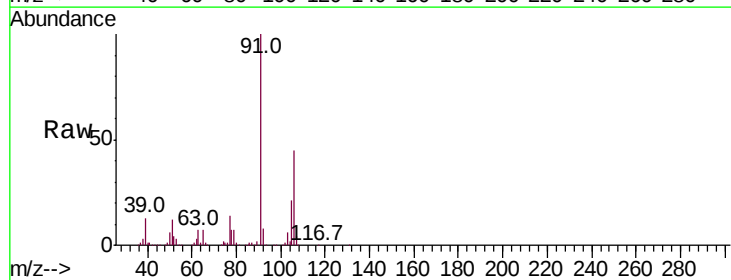
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

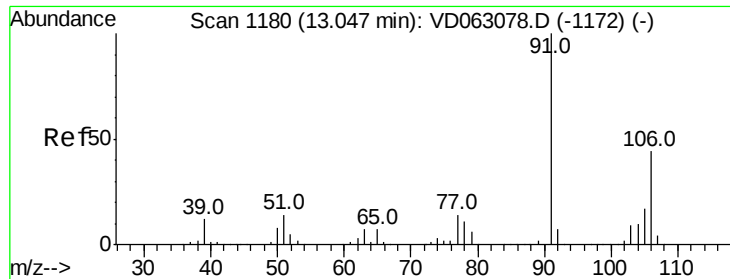
Tot Ion: 91 Resp: 1600559
Ion Ratio Lower Upper
91 100
106 27.9 22.5 33.7



#68
m/p-Xylenes
Concen: 91.404 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 106 Resp: 1104193
Ion Ratio Lower Upper
106 100
91 223.1 173.0 259.6

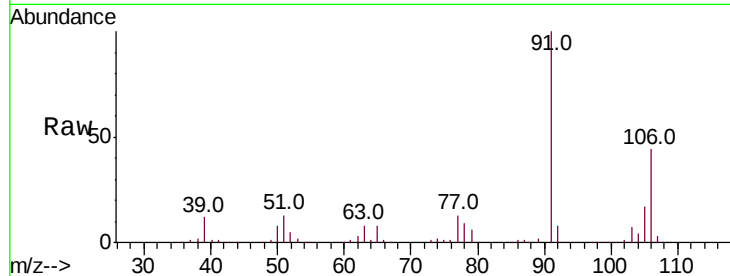




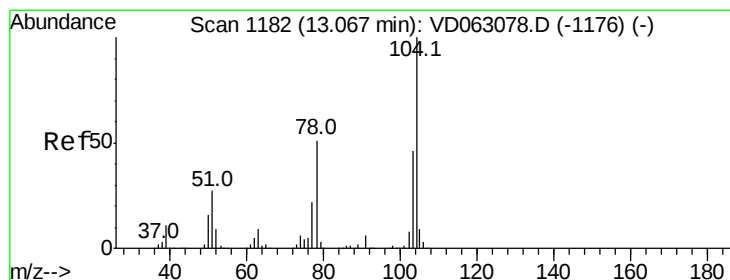
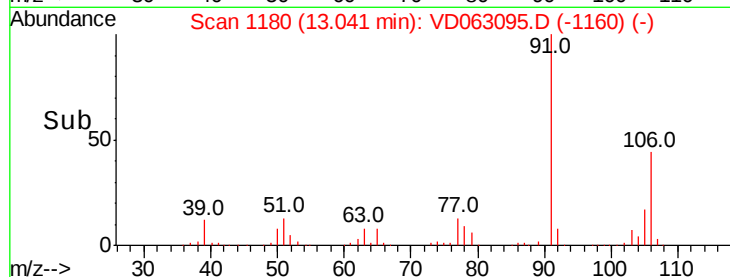
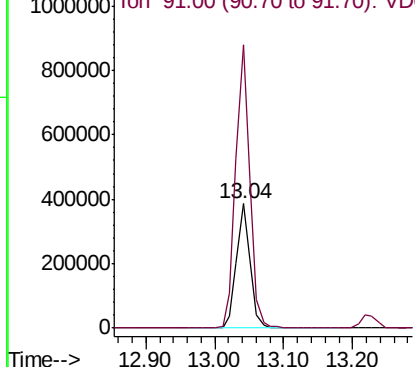
#69
o-Xylene
Concen: 46.440 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 531955
Ion Ratio Lower Upper
106 100
91 227.2 114.9 344.7

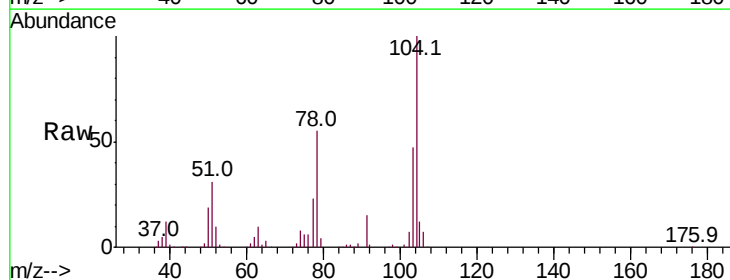


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

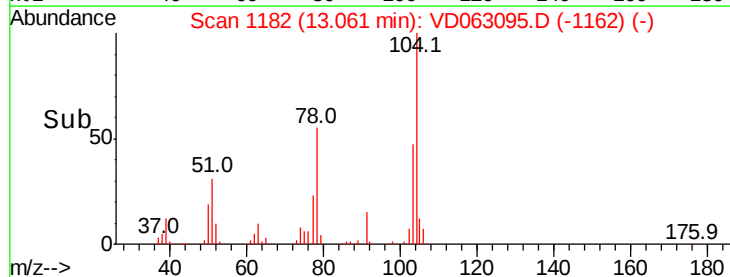
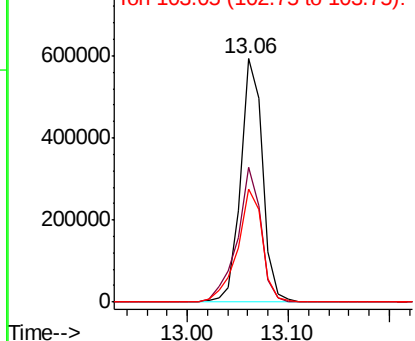


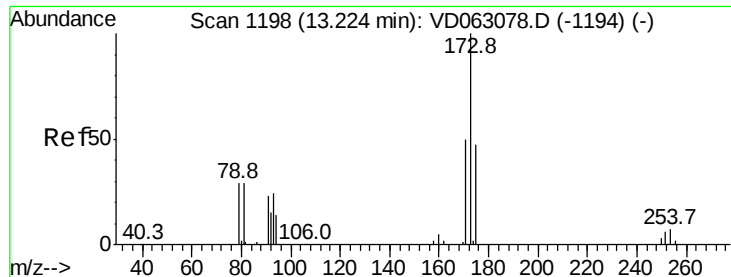
#70
Styrene
Concen: 44.701 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion:104 Resp: 896266
Ion Ratio Lower Upper
104 100
78 55.1 41.1 61.7
103 46.6 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

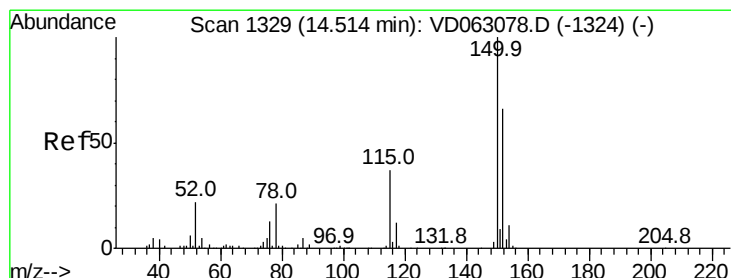
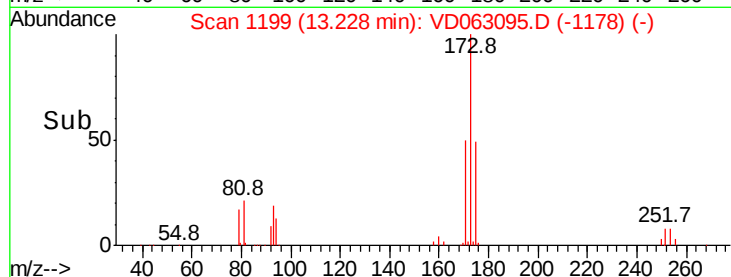
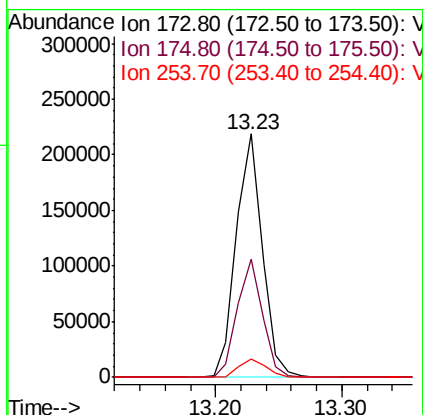
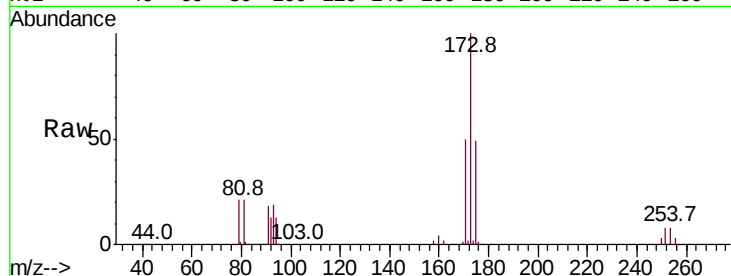




#71
Bromoform
Concen: 49.680 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

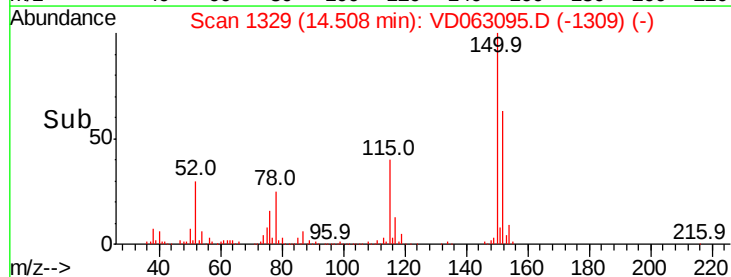
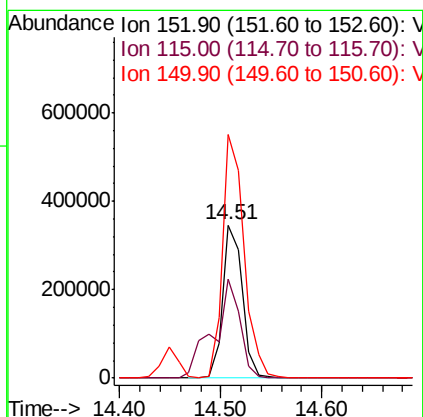
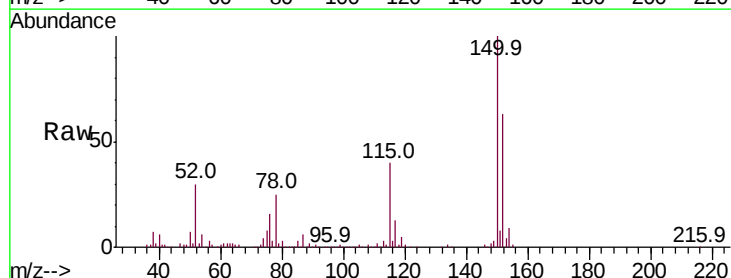
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

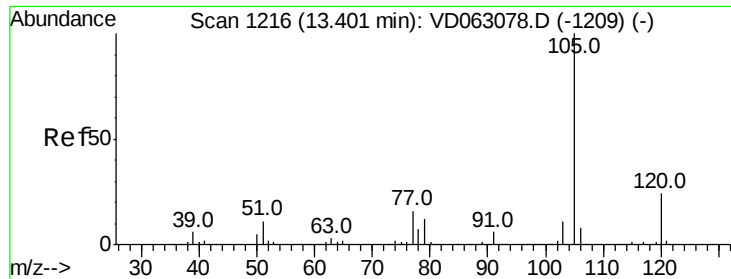
Tot Ion:173 Resp: 313022
Ion Ratio Lower Upper
173 100
175 48.7 23.4 70.2
254 7.7 5.4 8.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion:152 Resp: 467358
Ion Ratio Lower Upper
152 100
115 64.4 28.9 86.8
150 159.3 0.0 313.8

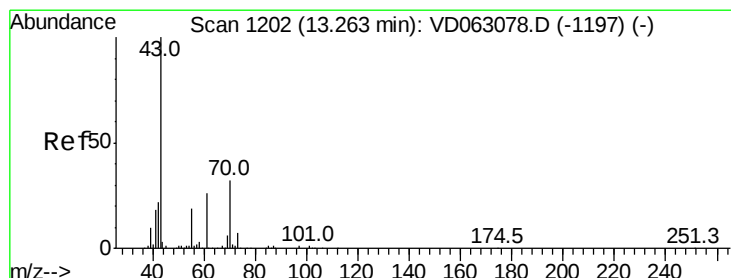
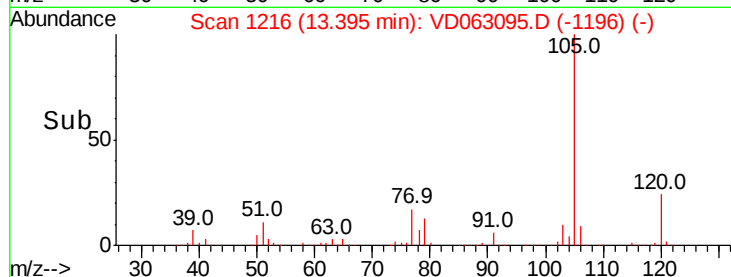
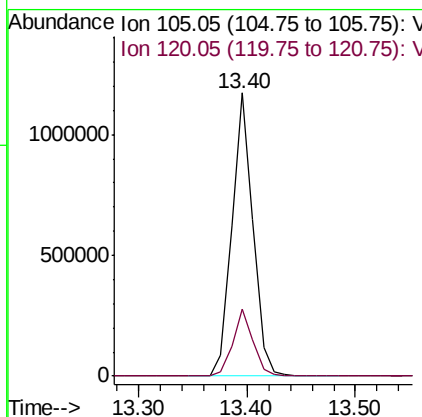
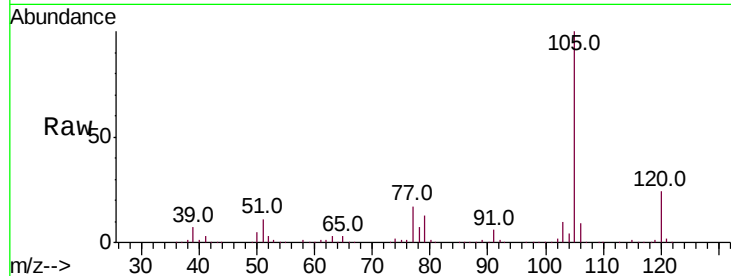




#73
Isopropylbenzene
Concen: 43.918 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

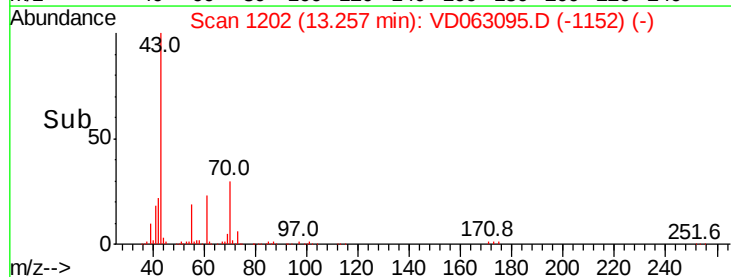
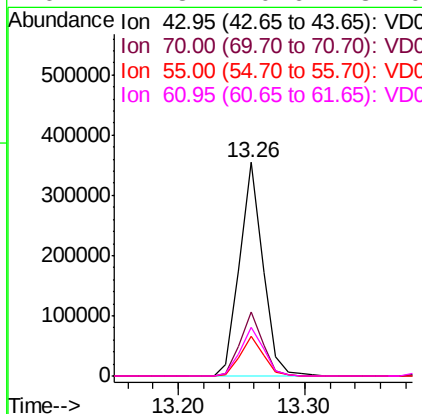
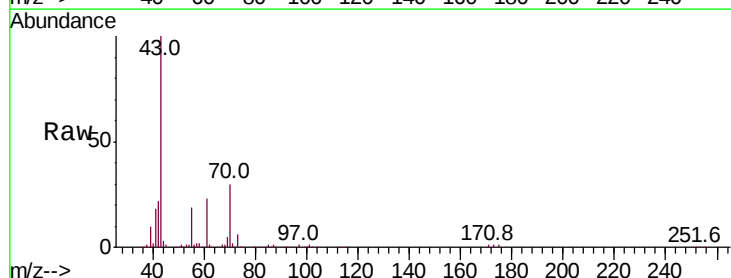
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

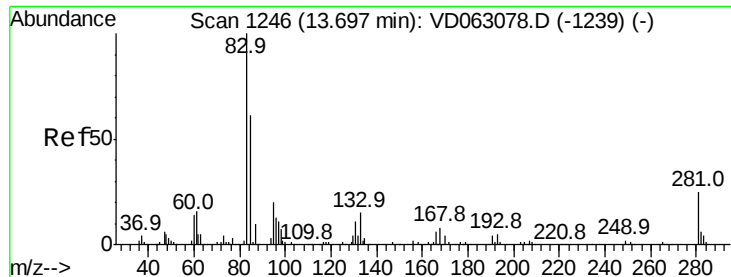
Tot Ion:105 Resp: 1585136
Ion Ratio Lower Upper
105 100
120 23.5 12.2 36.4



#74
N-ethyl acetate
Concen: 44.674 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion: 43 Resp: 449684
Ion Ratio Lower Upper
43 100
70 29.7 25.5 38.3
55 18.8 15.4 23.0
61 22.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.053 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

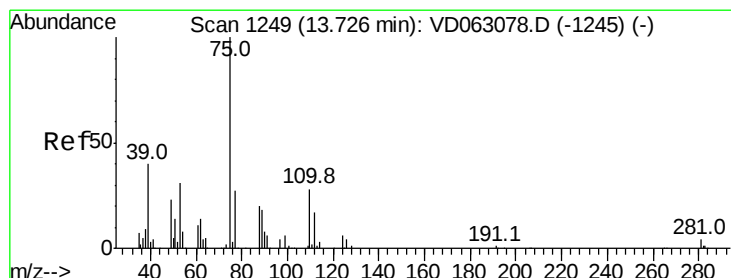
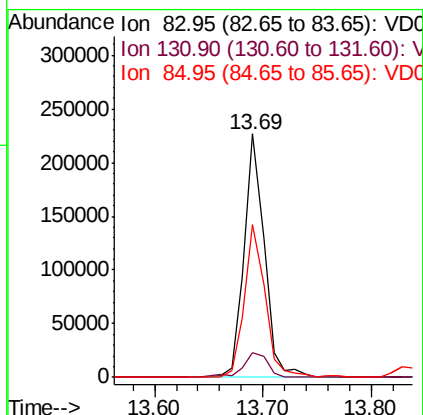
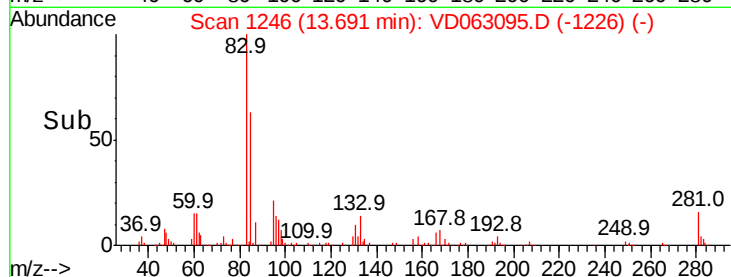
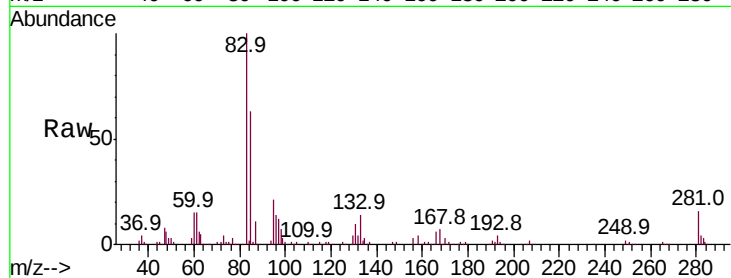
Tot Ion: 83 Resp: 295854

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.7

85 62.9 30.7 92.1



#76

1,2,3-Trichloropropane

Concen: 42.150 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063095.D

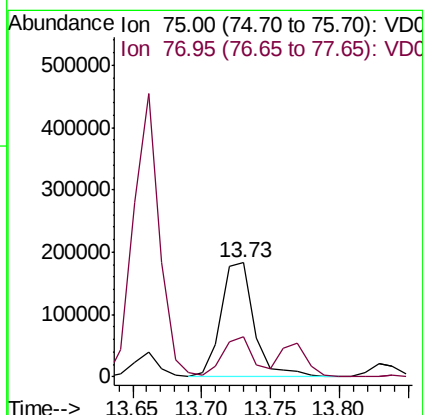
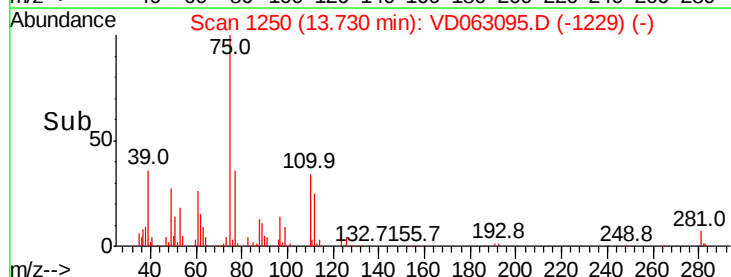
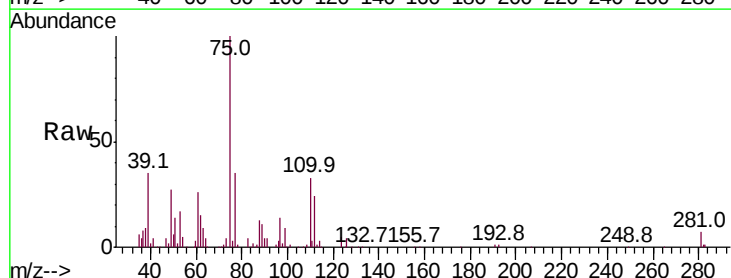
Acq: 16 Jul 2019 9:55

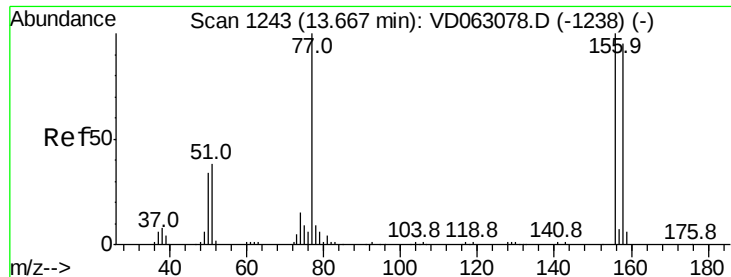
Tgt Ion: 75 Resp: 303031

Ion Ratio Lower Upper

75 100

77 35.0 16.3 48.8





#77

Bromobenzene

Concen: 47.209 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

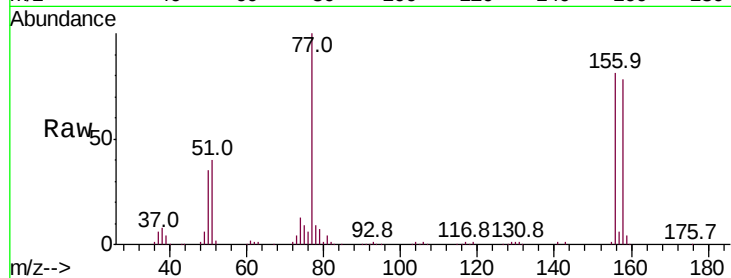
Tot Ion:156 Resp: 483198

Ion Ratio Lower Upper

156 100

77 123.1 50.2 150.7

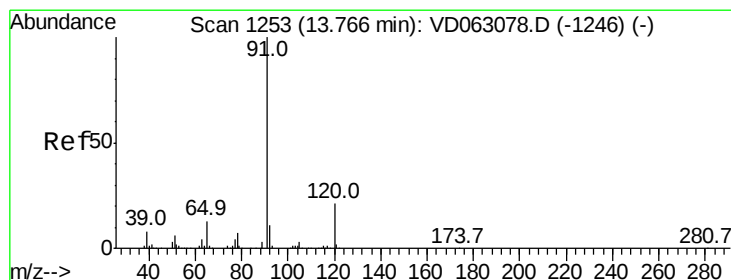
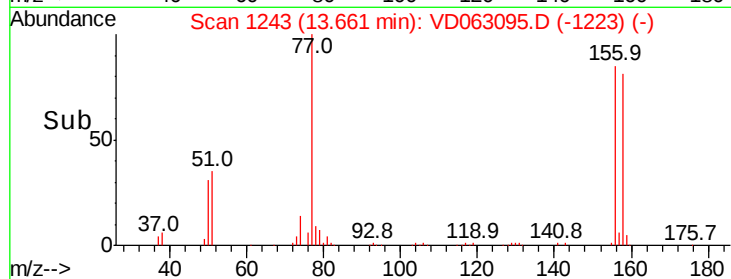
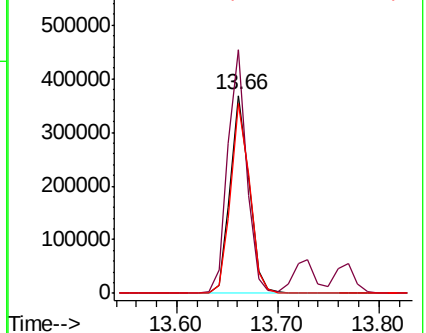
158 95.9 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 42.958 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063095.D

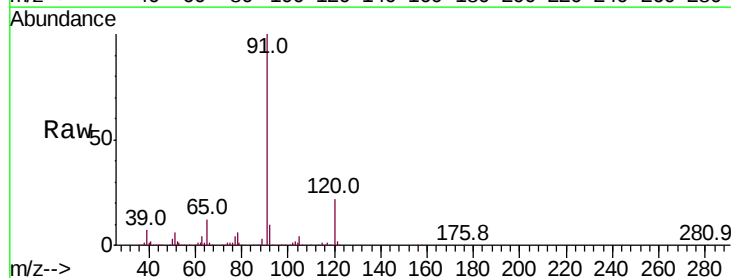
Acq: 16 Jul 2019 9:55

Tgt Ion: 91 Resp: 1784240

Ion Ratio Lower Upper

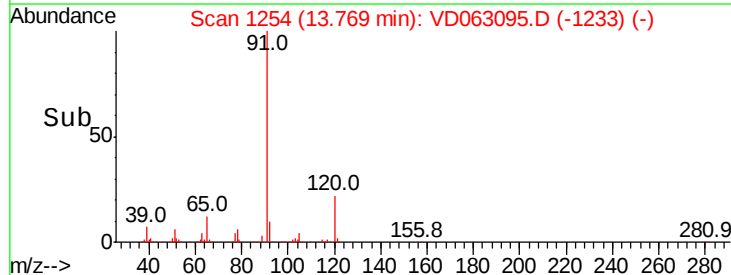
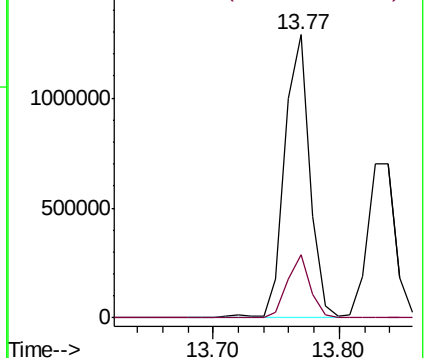
91 100

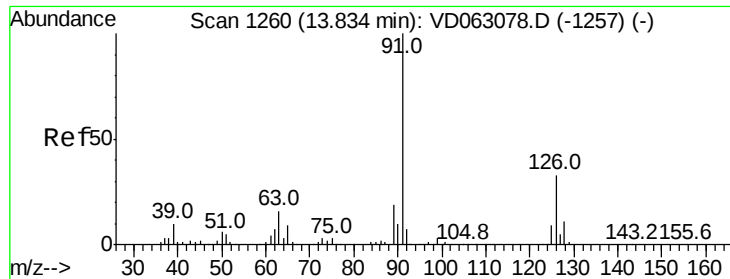
120 22.3 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

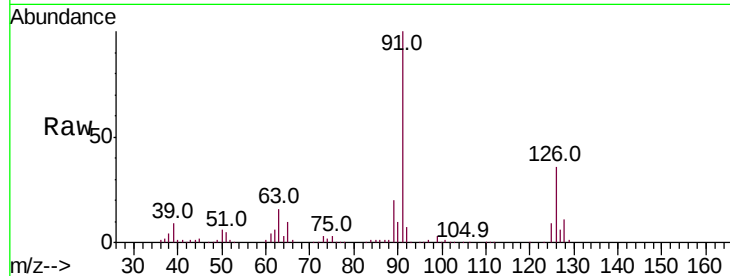




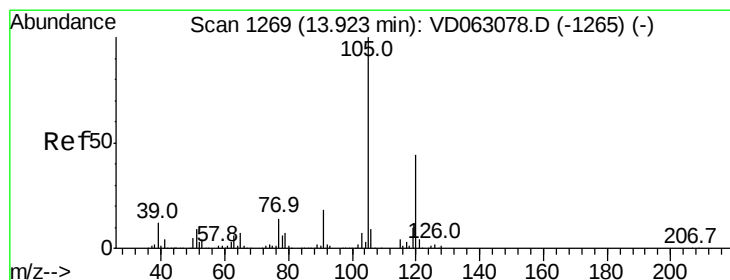
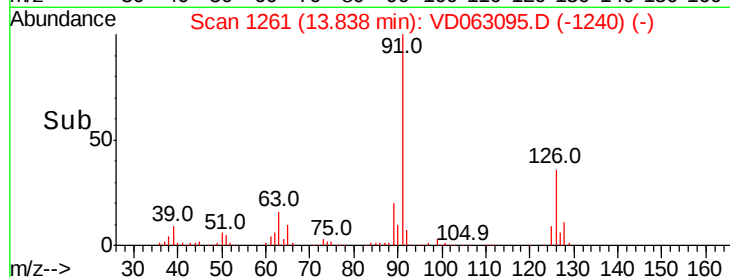
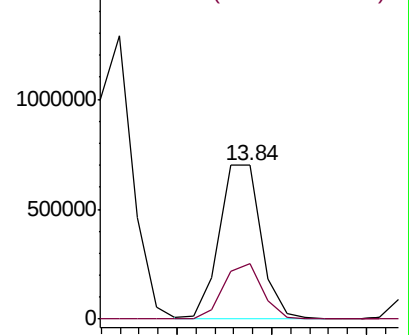
#79
2-Chlorotoluene
Concen: 42.535 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1068187
Ion Ratio Lower Upper
91 100
126 36.0 16.4 49.2

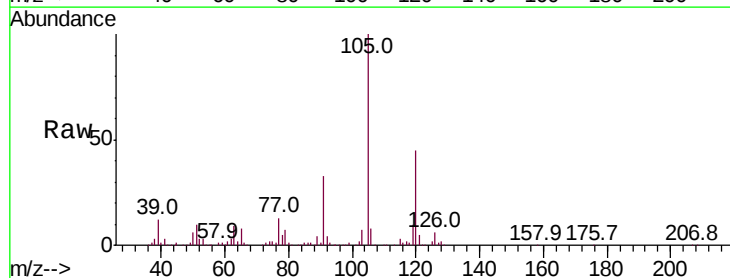


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

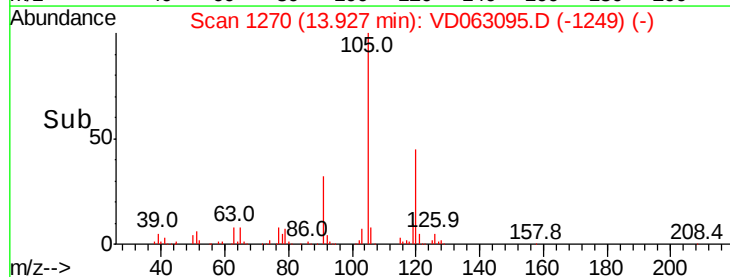
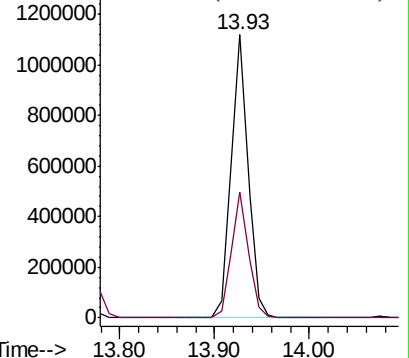


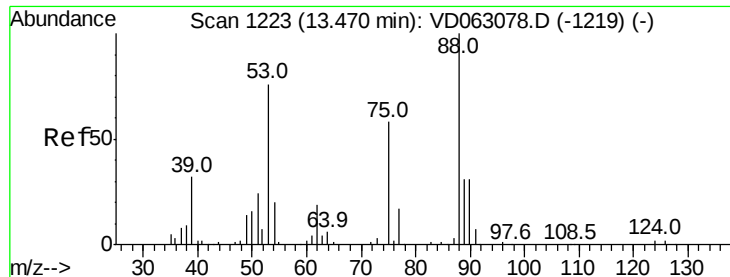
#80
1,3,5-Trimethylbenzene
Concen: 44.422 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion:105 Resp: 1397356
Ion Ratio Lower Upper
105 100
120 44.6 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.421 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

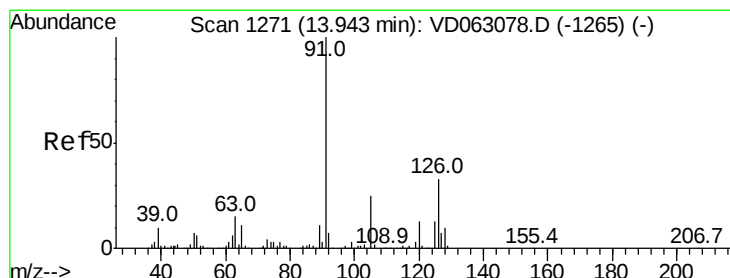
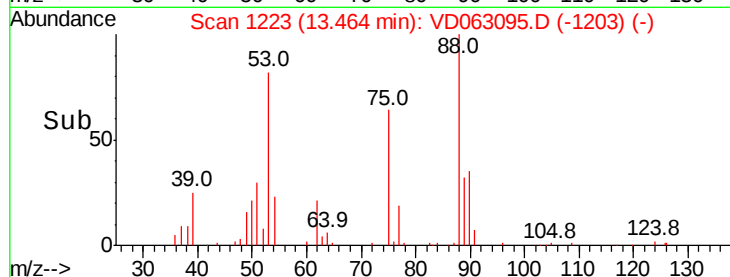
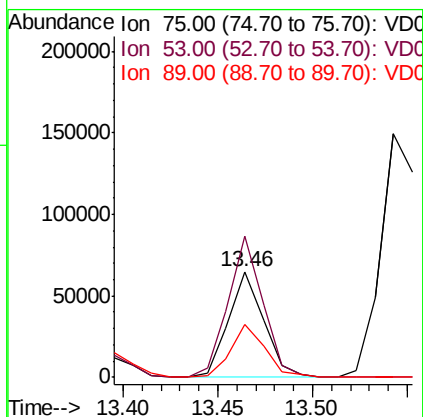
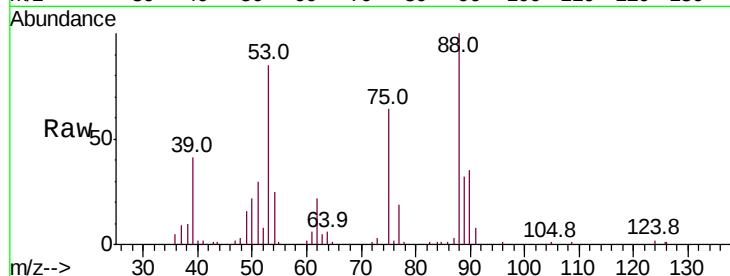
Tot Ion: 75 Resp: 84099

Ion Ratio Lower Upper

75 100

53 132.7 104.4 156.6

89 50.5 43.1 64.7



#82

4-Chlorotoluene

Concen: 45.604 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063095.D

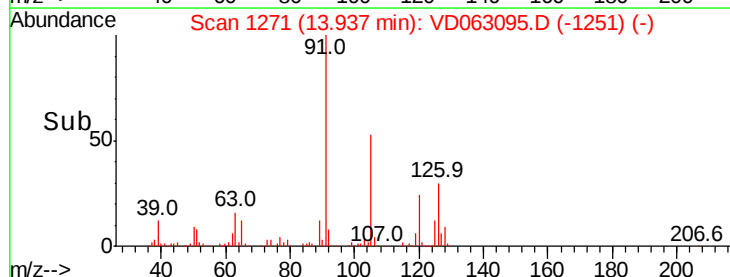
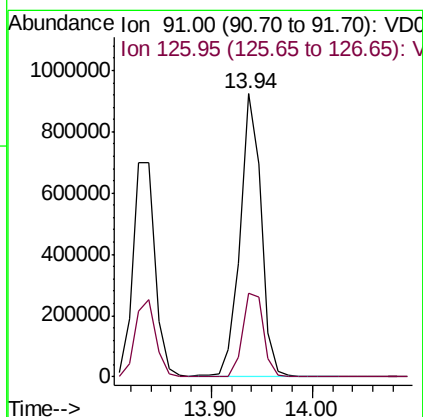
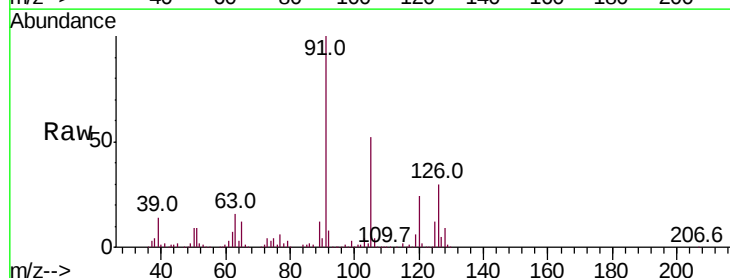
Acq: 16 Jul 2019 9:55

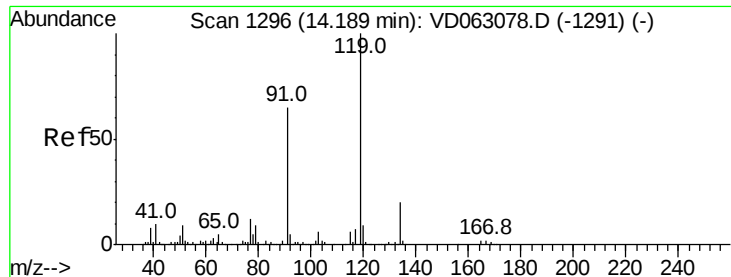
Tgt Ion: 91 Resp: 1337357

Ion Ratio Lower Upper

91 100

126 29.6 16.7 50.1





#83

tert-Butylbenzene

Concen: 44.697 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

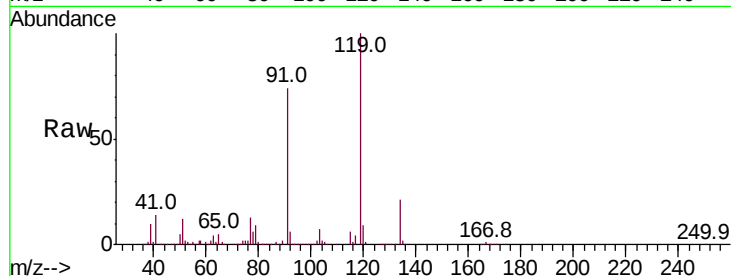
Tot Ion:119 Resp: 1589790

Ion Ratio Lower Upper

119 100

91 74.5 32.4 97.2

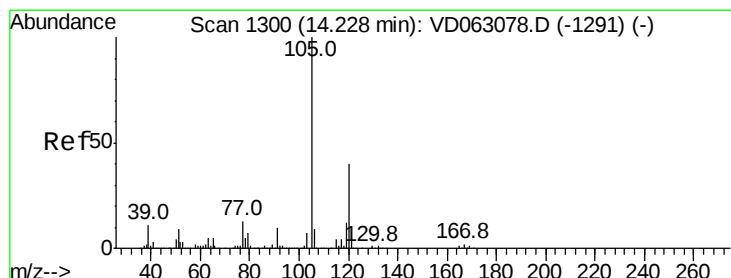
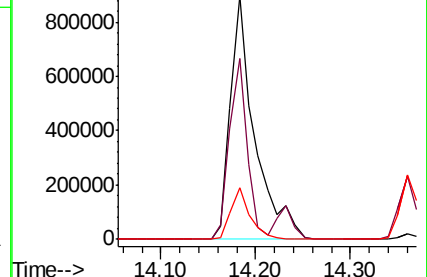
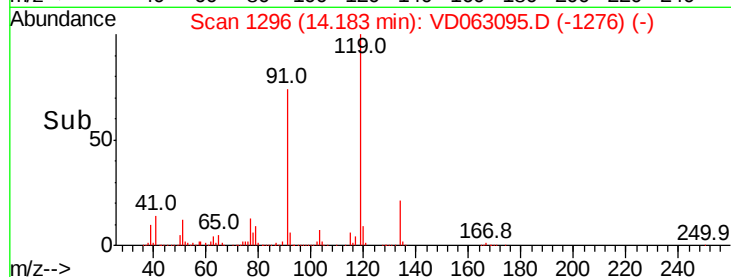
134 21.0 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): 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: 44.263 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063095.D

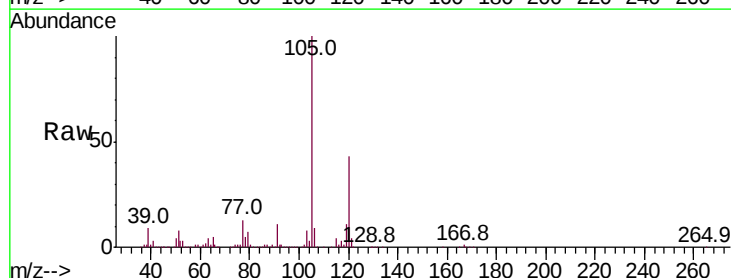
Acq: 16 Jul 2019 9:55

Tgt Ion:105 Resp: 1388136

Ion Ratio Lower Upper

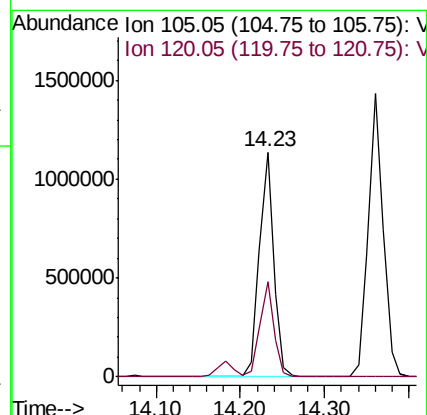
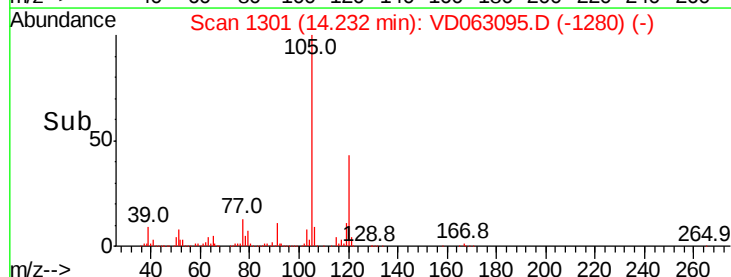
105 100

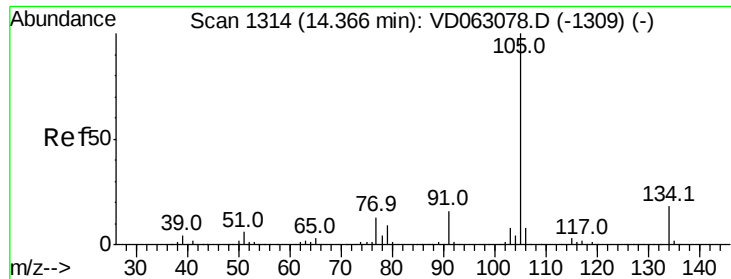
120 42.5 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 46.880 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

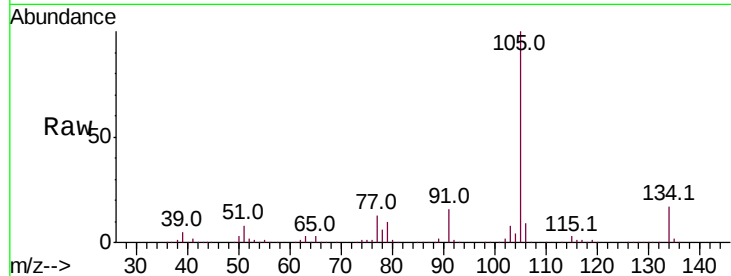
VSTDCCC050

Tot Ion:105 Resp: 1771628

Ion Ratio Lower Upper

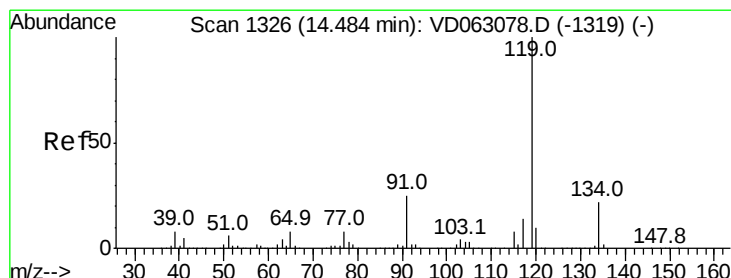
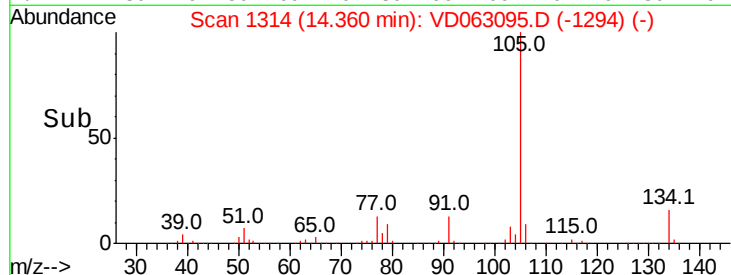
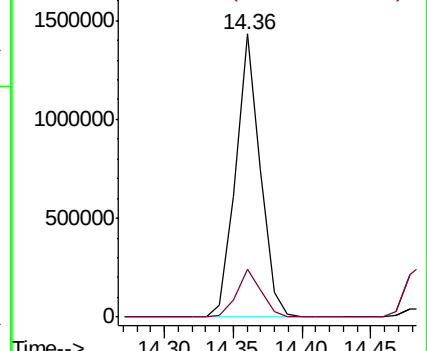
105 100

134 16.7 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 45.594 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

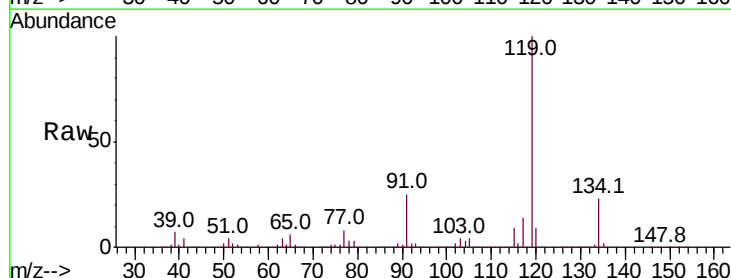
Tgt Ion:119 Resp: 1607385

Ion Ratio Lower Upper

119 100

134 23.1 10.8 32.4

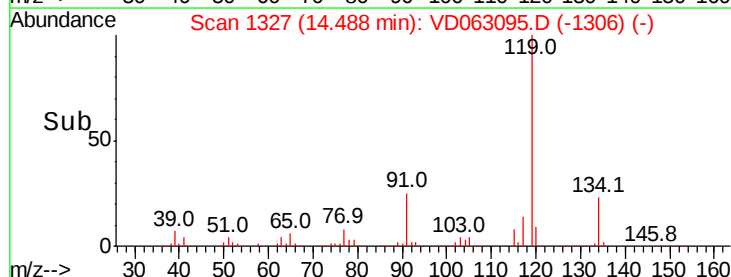
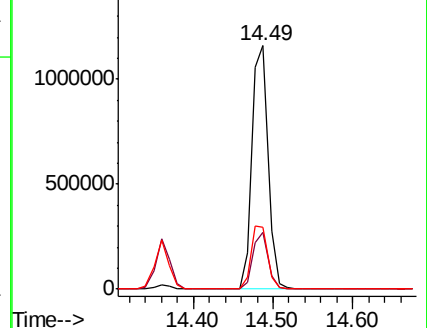
91 25.2 12.5 37.5

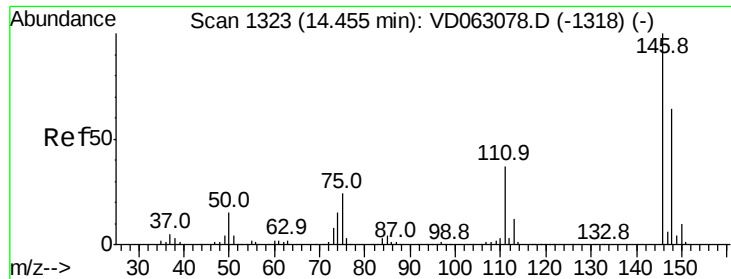


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

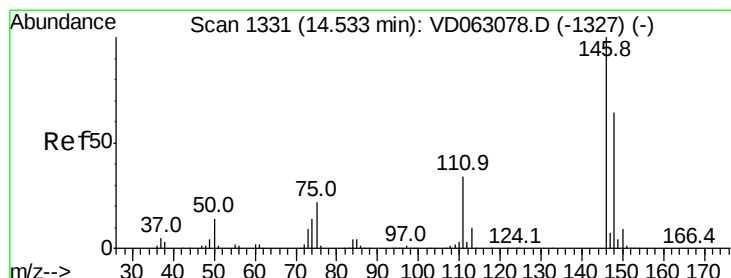
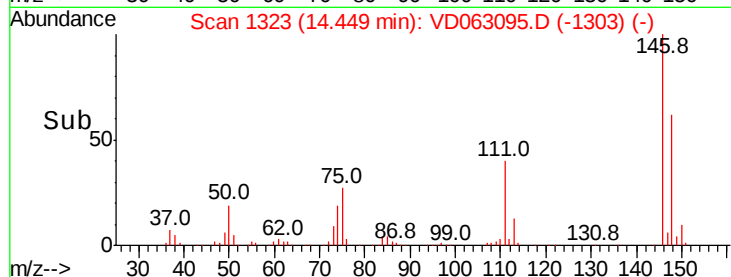
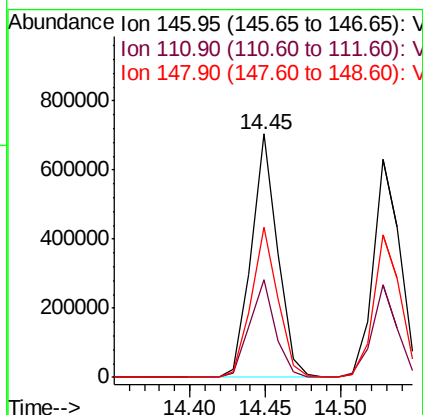
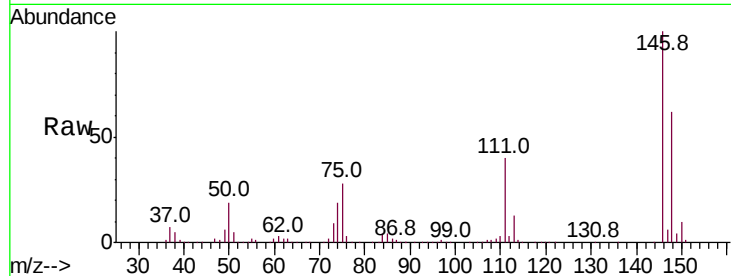




#87
 1,3-Dichlorobenzene
 Concen: 46.718 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

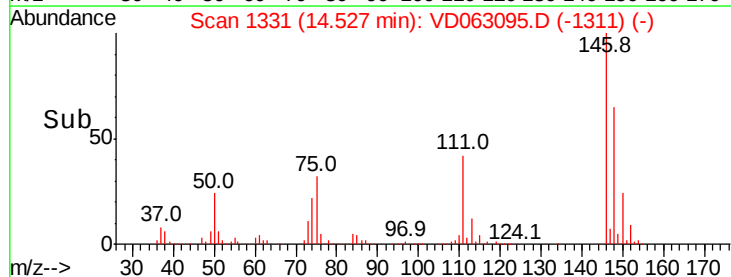
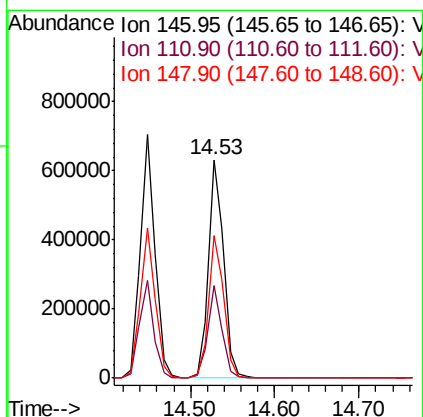
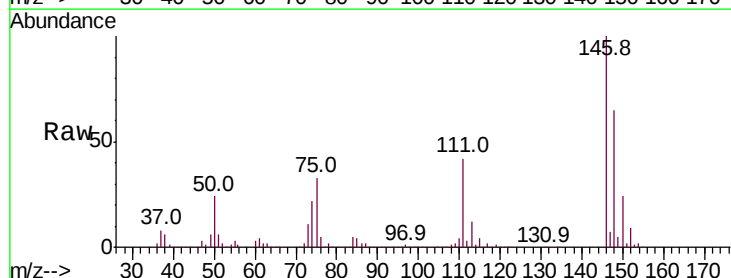
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

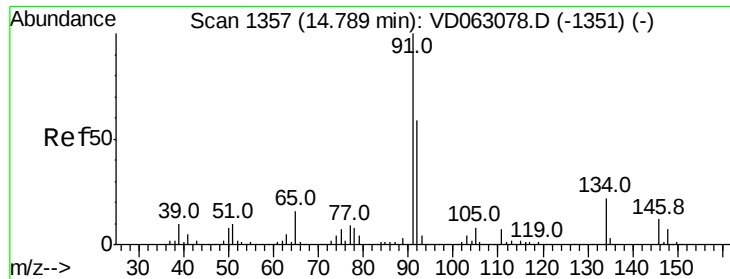
Tot Ion:146 Resp: 853949
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.6 55.6
 148 61.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 45.186 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Tgt Ion:146 Resp: 791822
 Ion Ratio Lower Upper
 146 100
 111 42.4 17.0 51.0
 148 65.0 32.0 96.2





#89

n-Butylbenzene

Concen: 46.738 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

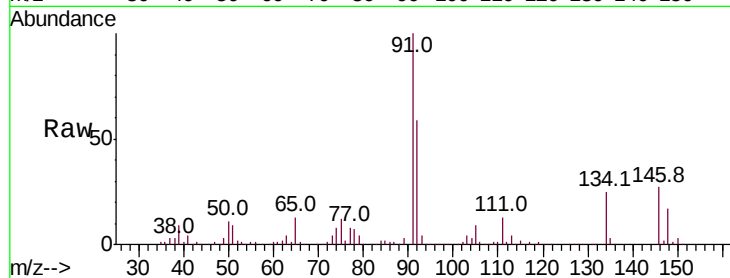
Tot Ion: 91 Resp: 1518706

Ion Ratio Lower Upper

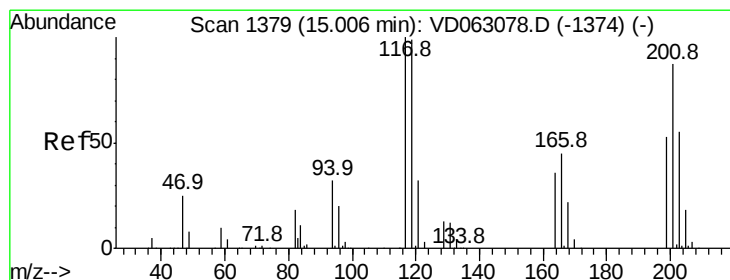
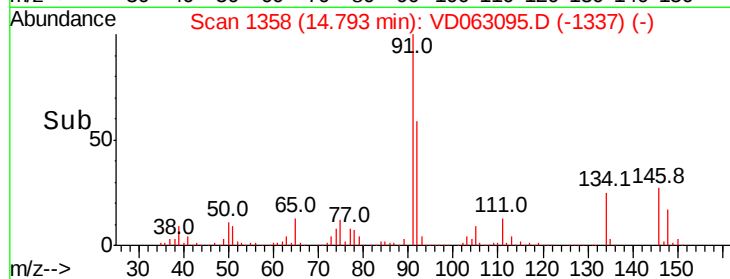
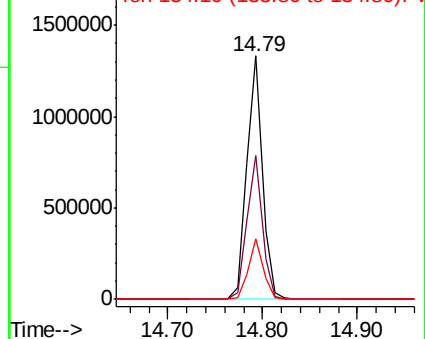
91 100

92 58.8 29.4 88.3

134 24.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 43.598 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063095.D

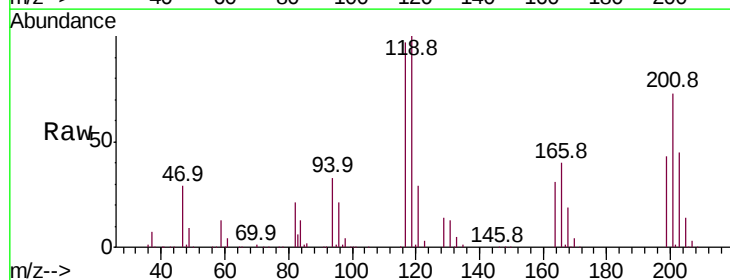
Acq: 16 Jul 2019 9:55

Tgt Ion: 117 Resp: 410885

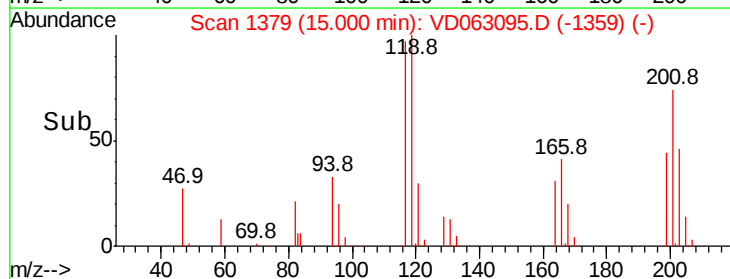
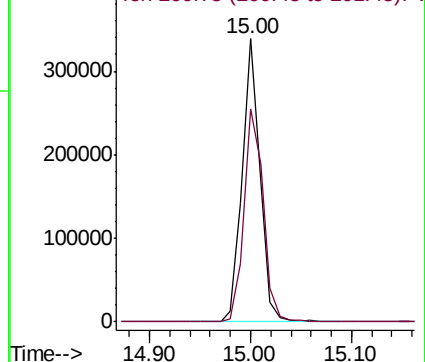
Ion Ratio Lower Upper

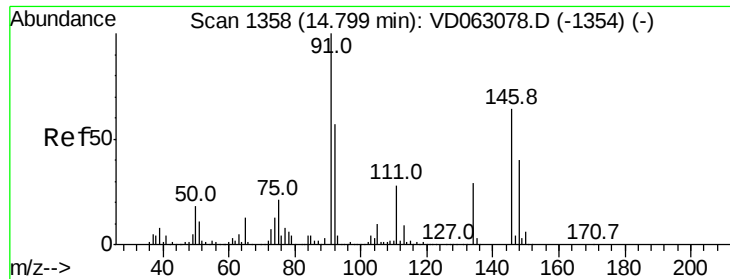
117 100

201 75.3 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 44.474 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

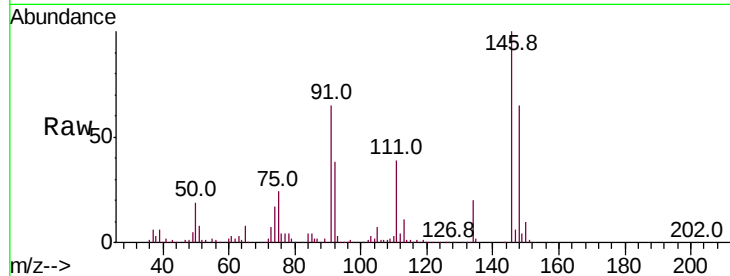
Tot Ion:146 Resp: 723878

Ion Ratio Lower Upper

146 100

111 39.0 21.9 65.5

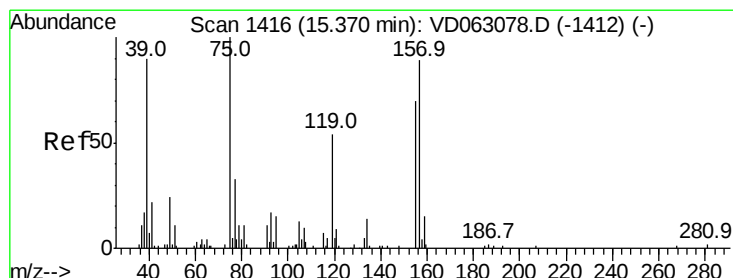
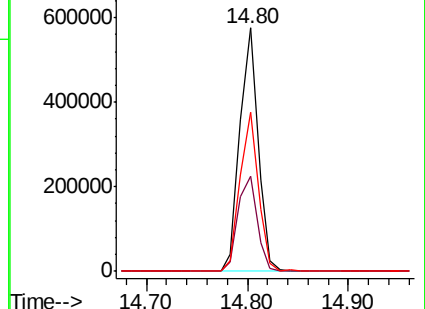
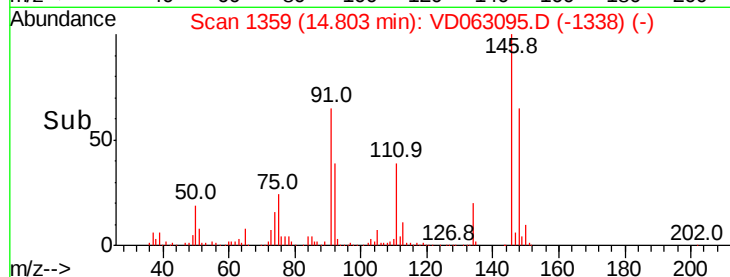
148 65.3 31.5 94.5



Abundance Ion 145.95 (145.65 to 146.65): 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: 42.941 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063095.D

Acq: 16 Jul 2019 9:55

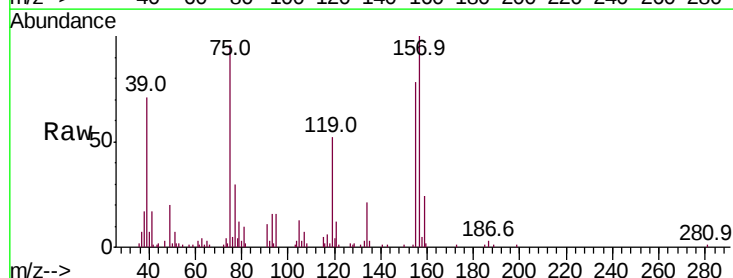
Tgt Ion: 75 Resp: 54051

Ion Ratio Lower Upper

75 100

155 80.8 34.8 104.3

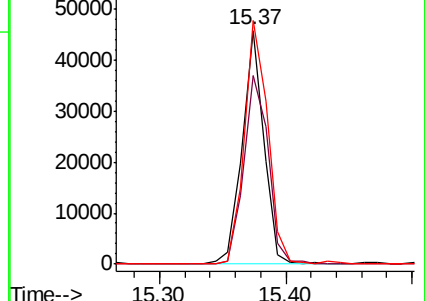
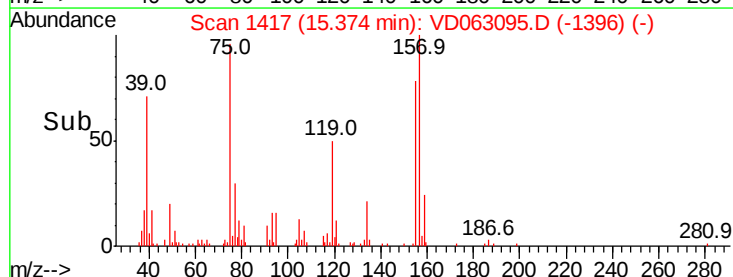
157 104.2 44.7 134.1

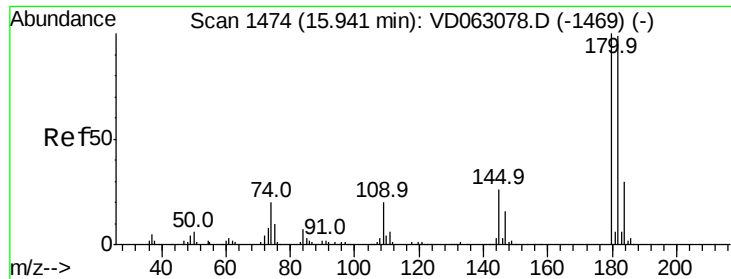


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

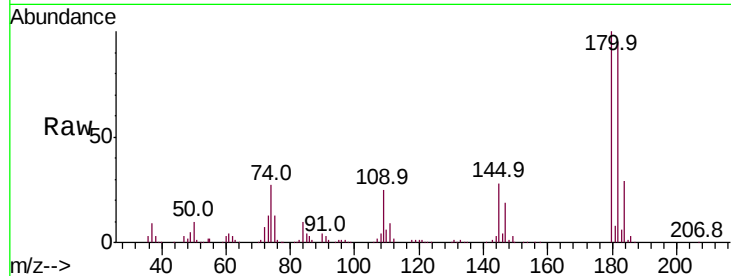




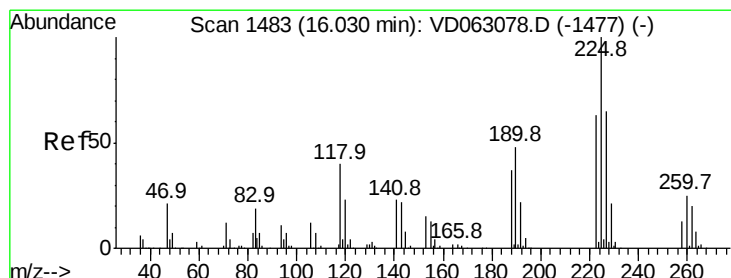
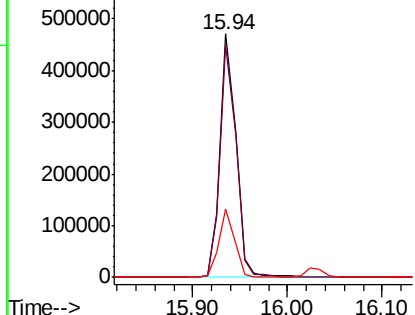
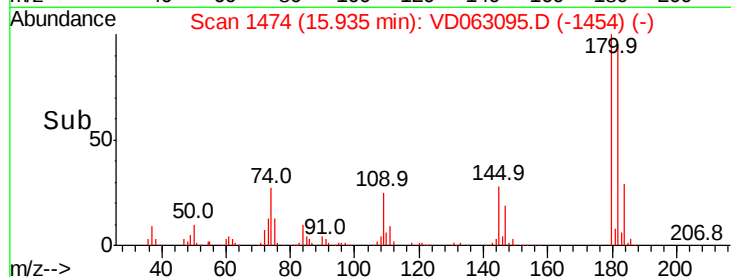
#93
 1,2,4-Trichlorobenzene
 Concen: 45.359 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 554667
 Ion Ratio Lower Upper
 180 100
 182 95.4 49.5 148.3
 145 27.9 12.8 38.4

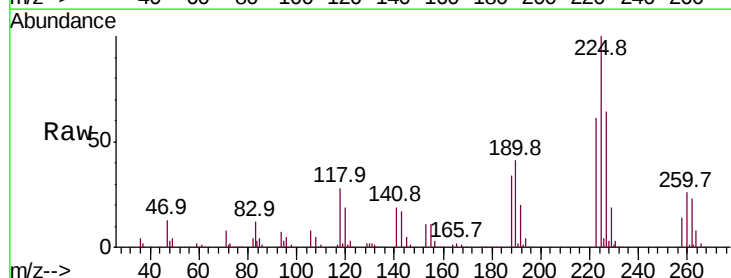


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

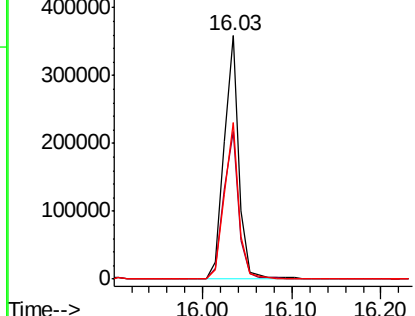
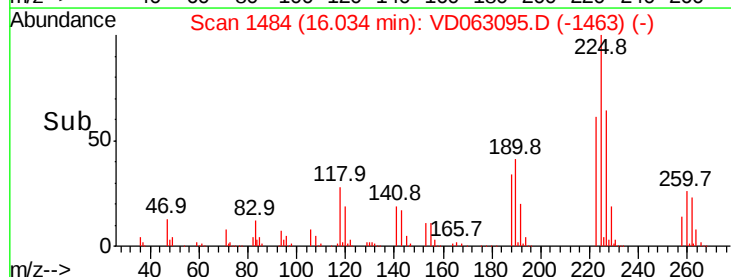


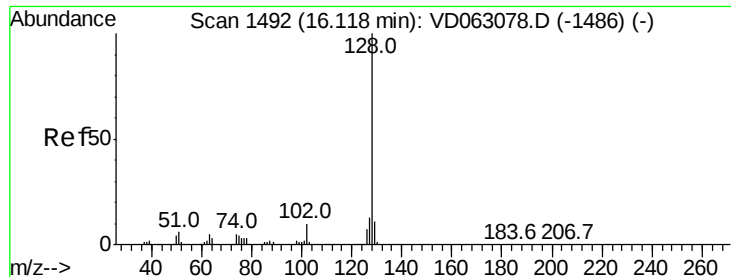
#94
 Hexachlorobutadiene
 Concen: 47.139 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063095.D
 Acq: 16 Jul 2019 9:55

Tgt Ion:225 Resp: 424876
 Ion Ratio Lower Upper
 225 100
 223 60.8 31.4 94.2
 227 64.3 32.6 97.8



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

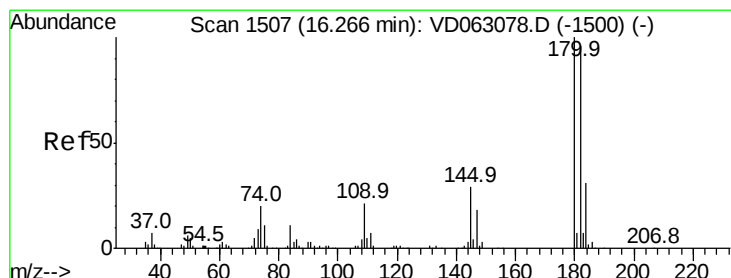
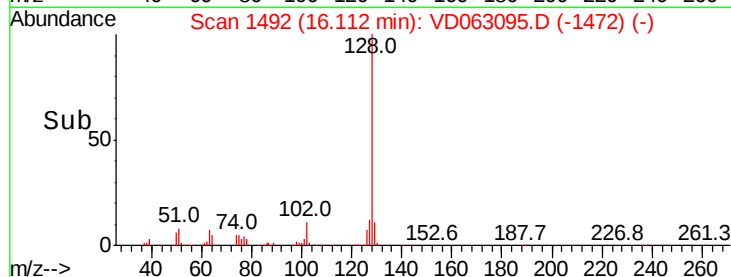
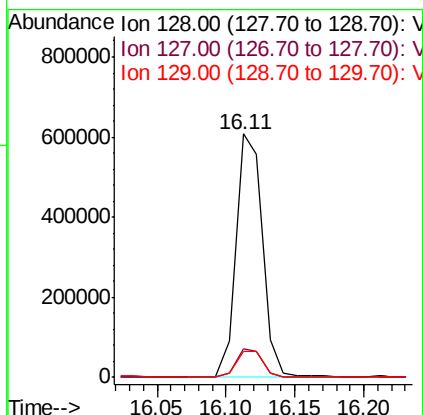
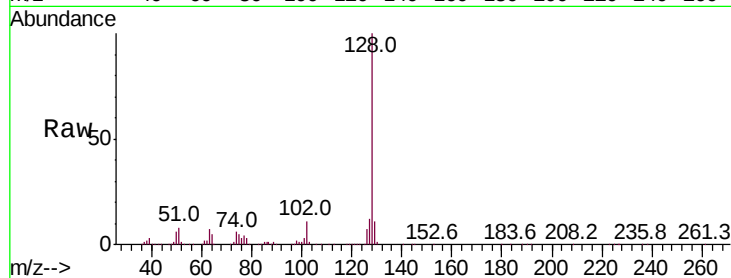




#95
Naphthalene
Concen: 45.563 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 815004
Ion Ratio Lower Upper
128 100
127 11.6 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 45.798 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063095.D
Acq: 16 Jul 2019 9:55

Tgt Ion:180 Resp: 450511
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 32.5 14.4 43.4

