

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063413.D
 Acq On : 6 Aug 2019 21:43
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 07 06:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	989410	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1312674	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1095520	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	570894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	498298	45.39	ug/l	0.02
Spiked Amount			Recovery	=	90.78%	
35) Dibromofluoromethane	6.93	113	566305	50.53	ug/l	0.02
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.41	98	1302710	51.94	ug/l	0.01
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	13.55	95	516532	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	499101	41.268	ug/l	99
3) Chloromethane	1.75	50	395515	42.092	ug/l	97
4) Vinyl Chloride	1.85	62	409868	42.135	ug/l	98
5) Bromomethane	2.15	94	234915	47.883	ug/l	98
6) Chloroethane	2.27	64	172975	38.515	ug/l	93
7) Trichlorofluoromethane	2.53	101	884581	46.874	ug/l	99
8) Diethyl Ether	2.87	74	105303	39.871	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.15	101	495166	47.368	ug/l	98
10) Methyl Iodide	3.31	142	662275	43.856	ug/l	99
11) Tert butyl alcohol	4.08	59	90779	188.421	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	359842	46.890	ug/l	87
13) Acrolein	3.04	56	78798	169.943	ug/l	88
14) Allyl chloride	3.62	41	512543	41.925	ug/l	89
15) Acrylonitrile	4.20	53	269482	215.746	ug/l	97
16) Acetone	3.23	43	421266	196.942	ug/l	95
17) Carbon Disulfide	3.37	76	1079997	42.045	ug/l	96
18) Methyl Acetate	3.65	43	175204	42.642	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	773957	44.647	ug/l	95
20) Methylene Chloride	3.82	84	370686	42.873	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	380312	44.167	ug/l	93
22) Diisopropyl ether	5.13	45	1068841	43.760	ug/l	94
23) Vinyl Acetate	5.07	43	3290690	219.174	ug/l	99
24) 1,1-Dichloroethane	4.99	63	731618	46.894	ug/l	98
25) 2-Butanone	6.08	43	475379	221.447	ug/l	93
26) 2,2-Dichloropropane	6.03	77	709202	44.110	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	413976	44.841	ug/l	97
28) Bromochloromethane	6.45	49	291294	46.861	ug/l #	98
29) Tetrahydrofuran	6.47	42	222711	219.128	ug/l	97
30) Chloroform	6.67	83	919143	47.472	ug/l	94
31) Cyclohexane	6.96	56	413605	42.295	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	956910	51.096	ug/l	98
36) 1,1-Dichloropropene	7.15	75	601014	50.169	ug/l	99
37) Ethyl Acetate	6.19	43	240943	44.768	ug/l	98
38) Carbon Tetrachloride	7.12	117	996312	55.243	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	468144	46.903	ug/l	87
40) Benzene	7.46	78	1206176	48.041	ug/l	100
41) Methacrylonitrile	6.46	41	289786	45.012	ug/l #	87
42) 1,2-Dichloroethane	7.59	62	654163	49.162	ug/l	100
43) Isopropyl Acetate	9.25	43	312083	45.394	ug/l	100
44) Trichloroethene	8.54	130	488235	47.989	ug/l	96
45) 1,2-Dichloropropane	8.95	63	280088	43.889	ug/l	96
46) Dibromomethane	9.06	93	256555	48.350	ug/l #	85
47) Bromodichloromethane	9.38	83	692034	51.162	ug/l	99
48) Methyl methacrylate	9.12	41	214964	48.211	ug/l	92
49) 1,4-Dioxane	9.08	88	34165	904.122	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	1104975	236.329	ug/l	98
52) Toluene	10.51	92	829797	49.691	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	581694	49.882	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	593019	48.387	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	283573	50.281	ug/l	93
56) Ethyl methacrylate	11.04	69	298941	48.406	ug/l	94
57) 1,3-Dichloropropane	11.41	76	434194	48.863	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	709098	220.662	ug/l	96
59) 2-Hexanone	11.54	43	767595	227.813	ug/l	100
60) Dibromochloromethane	11.69	129	545517	51.236	ug/l	100
61) 1,2-Dibromoethane	11.81	107	352566	50.662	ug/l	94
64) Tetrachloroethene	11.26	164	449763	51.533	ug/l	98
65) Chlorobenzene	12.40	112	1033831	49.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	464432	50.036	ug/l	99
67) Ethyl Benzene	12.53	91	1748846	48.856	ug/l	99
68) m/p-Xylenes	12.68	106	1273992	97.047	ug/l	97
69) o-Xylene	13.05	106	607139	50.364	ug/l	98
70) Styrene	13.07	104	1091903	51.074	ug/l	93
71) Bromoform	13.24	173	339501	50.297	ug/l	98
73) Isopropylbenzene	13.41	105	2007265	56.020	ug/l	97
74) N-amyl acetate	13.27	43	476684	50.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	333793	54.842	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	356618	52.007	ug/l	98
77) Bromobenzene	13.67	156	539506	52.856	ug/l	96
78) n-propylbenzene	13.78	91	2324515	54.515	ug/l	99
79) 2-Chlorotoluene	13.84	91	1244338	50.364	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	1628643	52.700	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	83772	43.996	ug/l	92
82) 4-Chlorotoluene	13.95	91	1564983	53.823	ug/l	93
83) tert-Butylbenzene	14.19	119	1855071	52.571	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1666037	52.120	ug/l	97
85) sec-Butylbenzene	14.37	105	1813920	48.791	ug/l	99
86) p-Isopropyltoluene	14.49	119	1723960	48.584	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	942791	52.157	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	902495	49.374	ug/l	96
89) n-Butylbenzene	14.80	91	1648330	53.784	ug/l	100
90) Hexachloroethane	15.01	117	471797	51.034	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	794725	50.461	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62910	50.743	ug/l	76

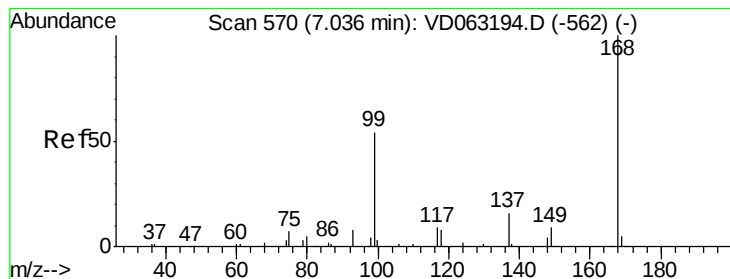
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	618211	49.480	ug/l	96
94) Hexachlorobutadiene	16.04	225	449346	49.628	ug/l	98
95) Naphthalene	16.12	128	890245	50.413	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	485995	49.239	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

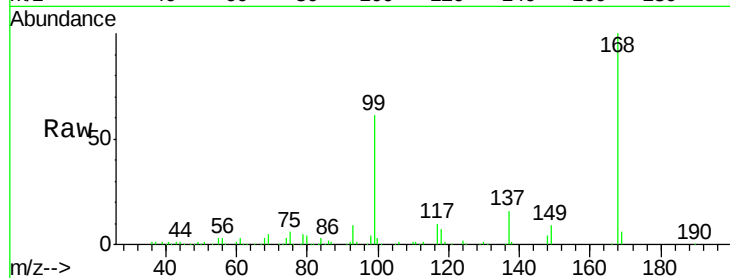
VSTDCCC050EC

Tot Ion:168 Resp: 989410

Ion Ratio Lower Upper

168 100

99 60.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

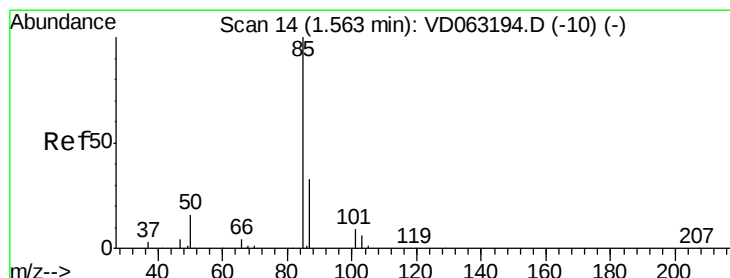
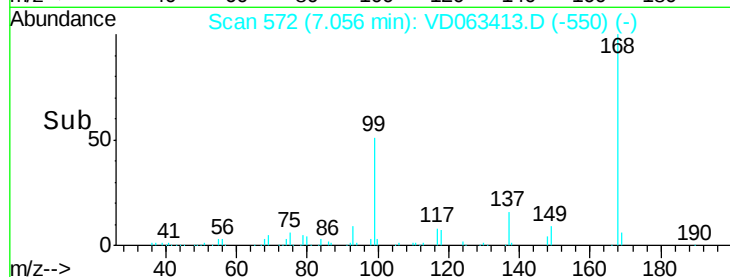
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 41.268 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063413.D

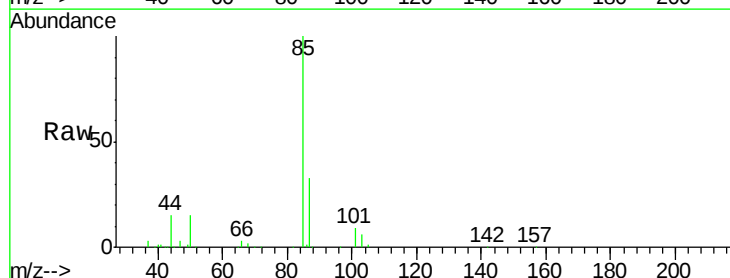
Acq: 6 Aug 2019 21:43

Tgt Ion: 85 Resp: 499101

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

250000

200000

150000

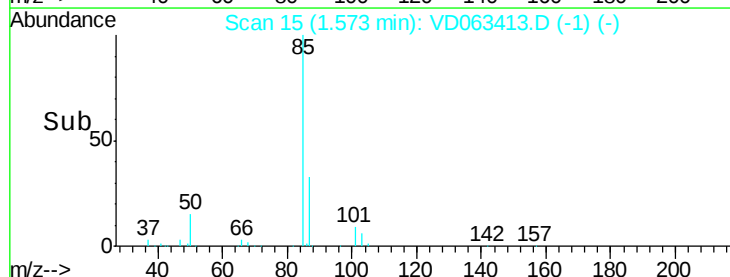
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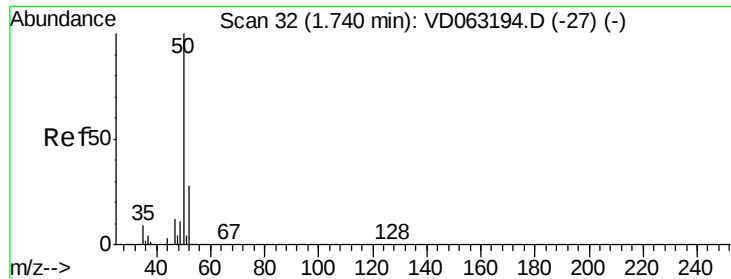
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 42.092 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

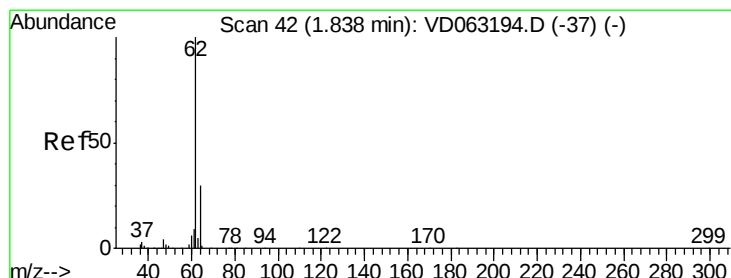
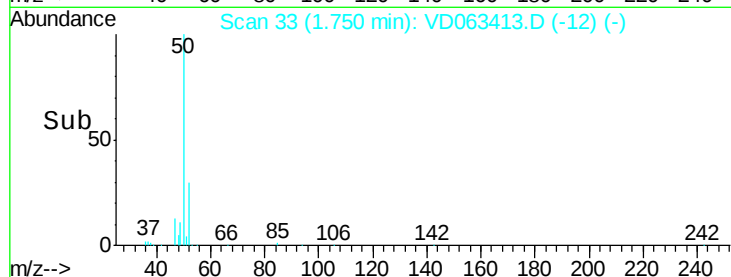
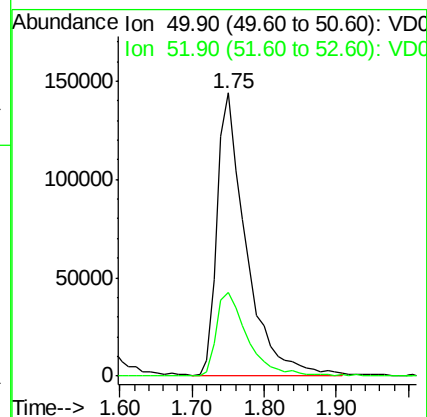
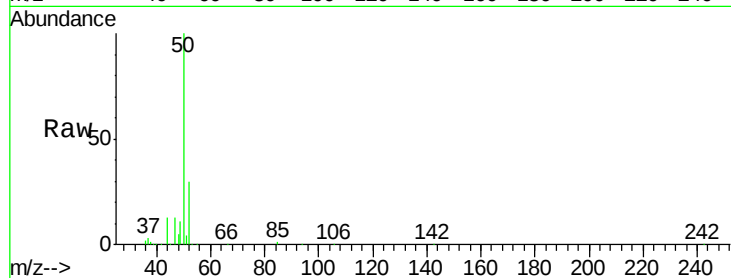
VSTDCCC050EC

Tot Ion: 50 Resp: 395515

Ion Ratio Lower Upper

50 100

52 29.7 22.6 34.0



#4

Vinyl Chloride

Concen: 42.135 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063413.D

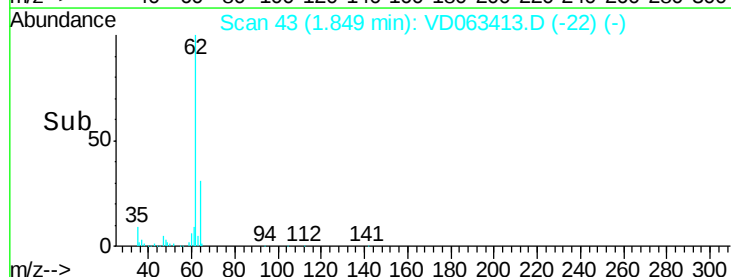
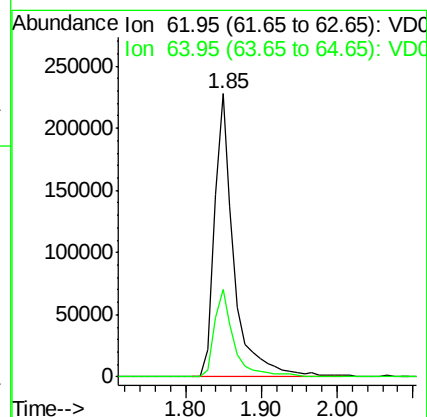
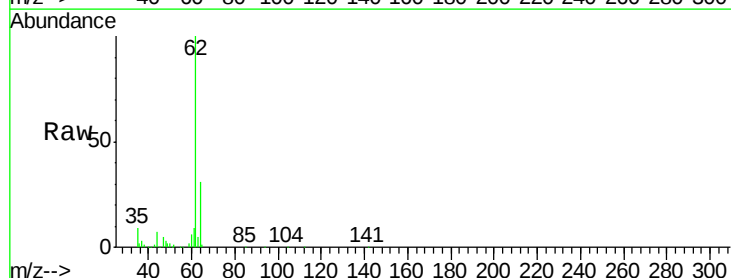
Acq: 6 Aug 2019 21:43

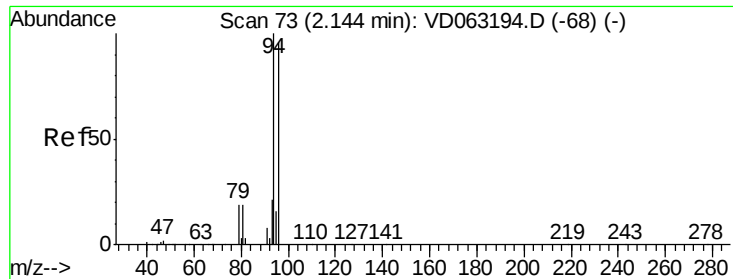
Tgt Ion: 62 Resp: 409868

Ion Ratio Lower Upper

62 100

64 31.0 24.1 36.1





#5

Bromomethane

Concen: 47.883 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

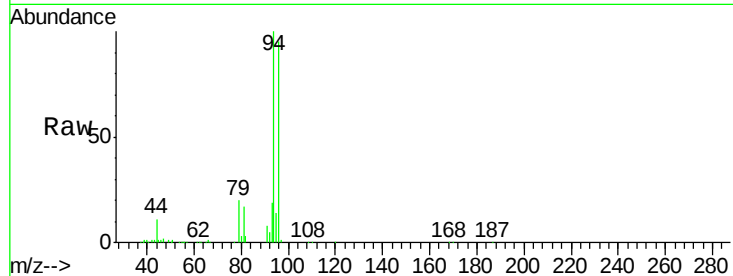
Tot Ion: 94 Resp: 234915

Ion Ratio Lower Upper

94 100

96 94.5 76.4 114.6

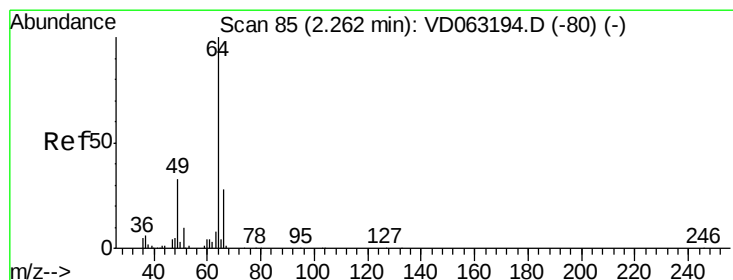
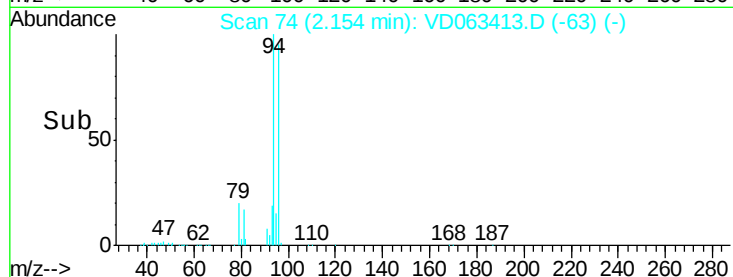
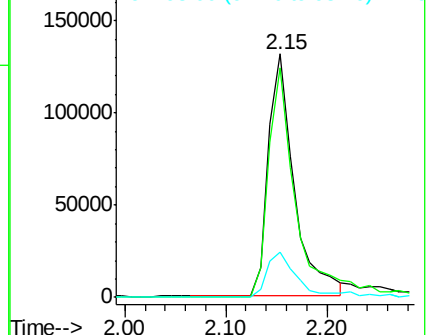
93 18.7 17.3 25.9



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: 38.515 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063413.D

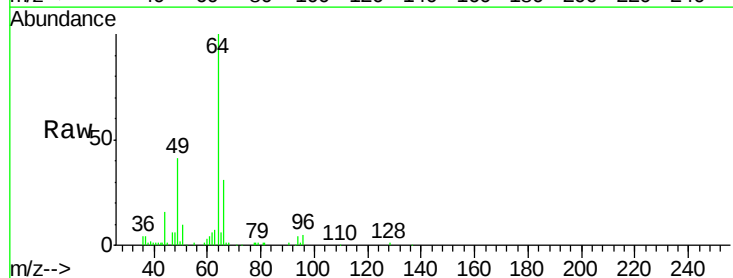
Acq: 6 Aug 2019 21:43

Tgt Ion: 64 Resp: 172975

Ion Ratio Lower Upper

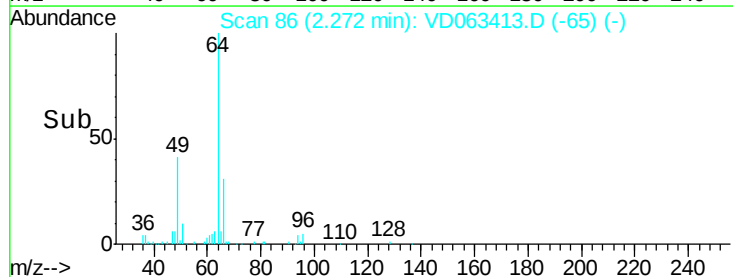
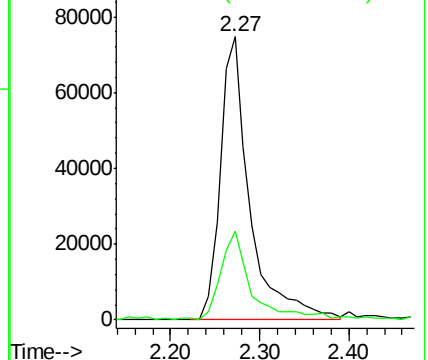
64 100

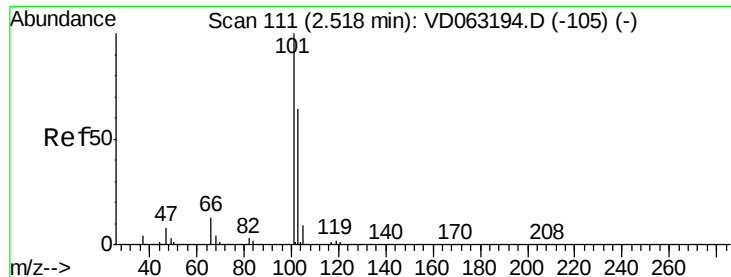
66 31.2 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



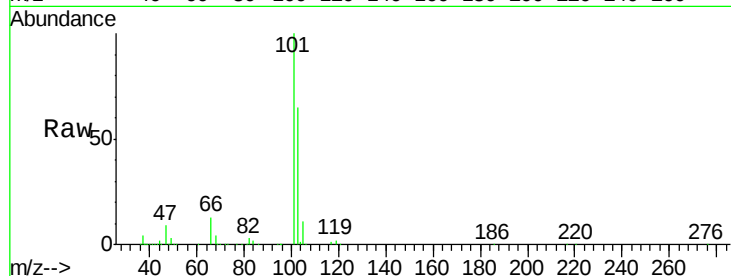


#7

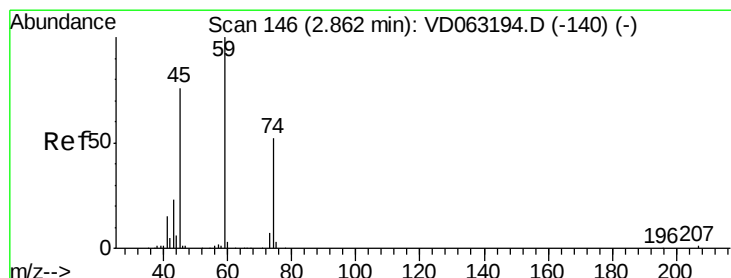
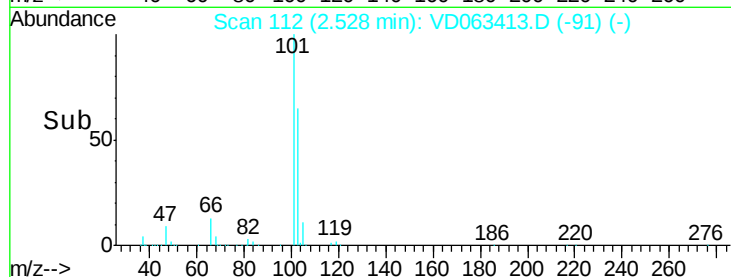
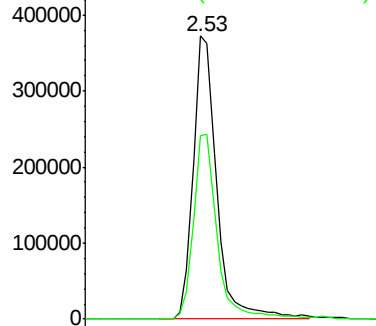
Trichlorofluoromethane
Concen: 46.874 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Instrument :
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Tot Ion:101 Resp: 884581
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3



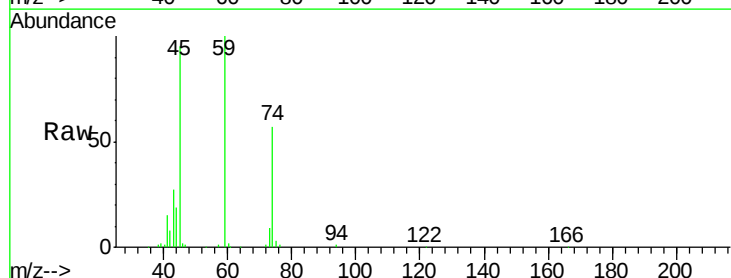
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



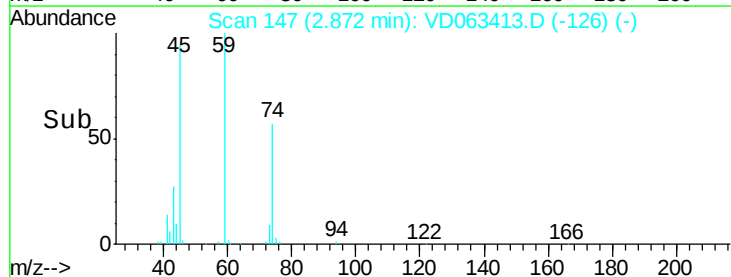
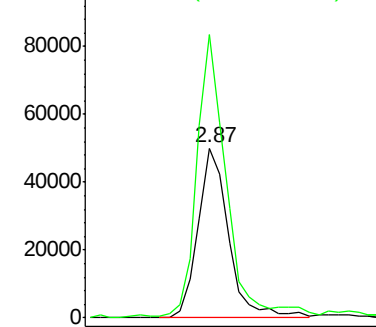
#8

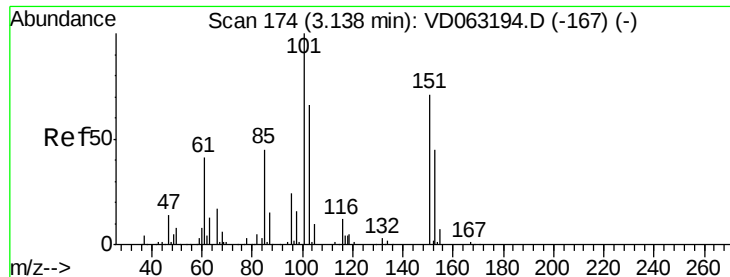
Diethyl Ether
Concen: 39.871 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 74 Resp: 105303
Ion Ratio Lower Upper
74 100
45 167.0 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.368 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

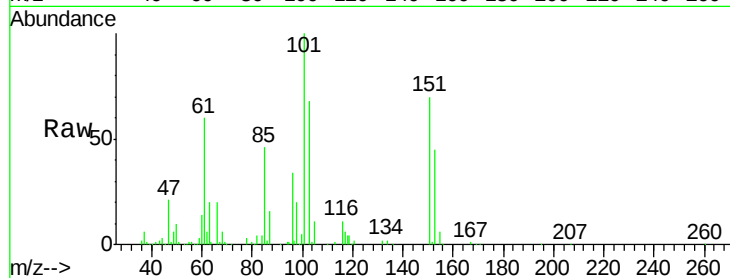
Tot Ion:101 Resp: 495166

Ion Ratio Lower Upper

101 100

85 46.2 36.1 54.1

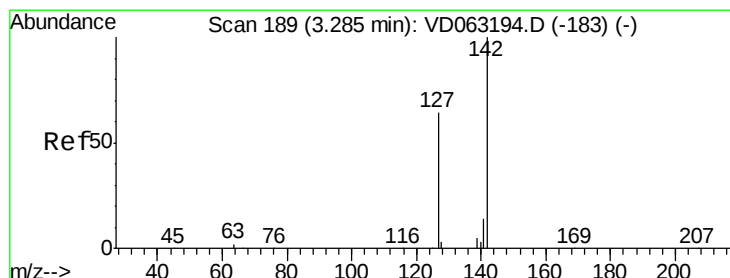
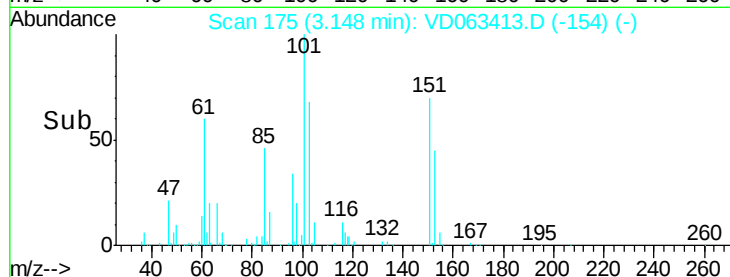
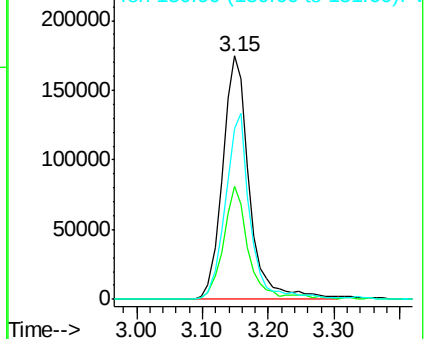
151 70.2 57.1 85.7



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: 43.856 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

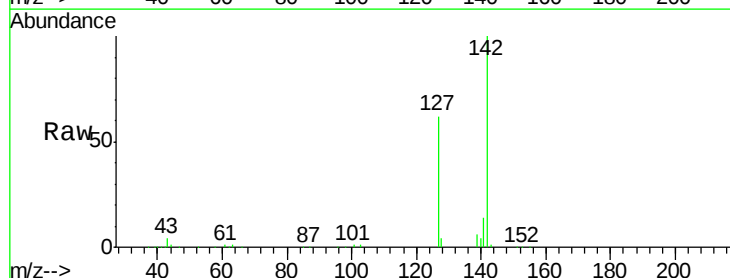
Tgt Ion:142 Resp: 662275

Ion Ratio Lower Upper

142 100

127 62.5 50.8 76.2

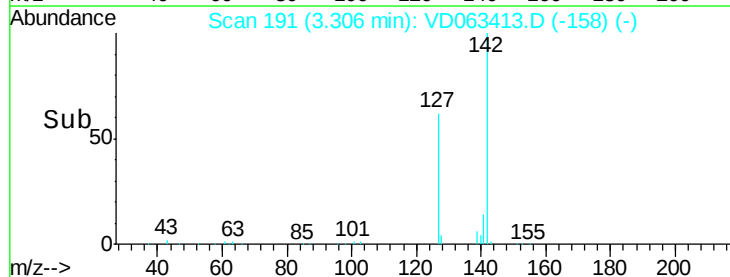
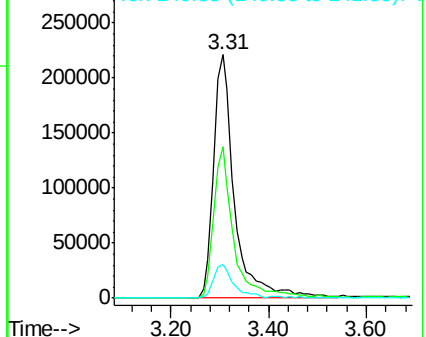
141 13.6 11.4 17.2

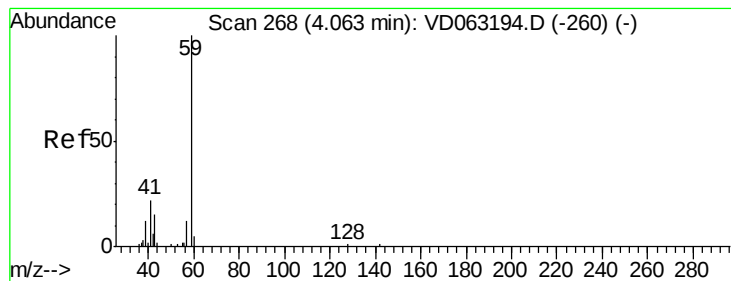


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



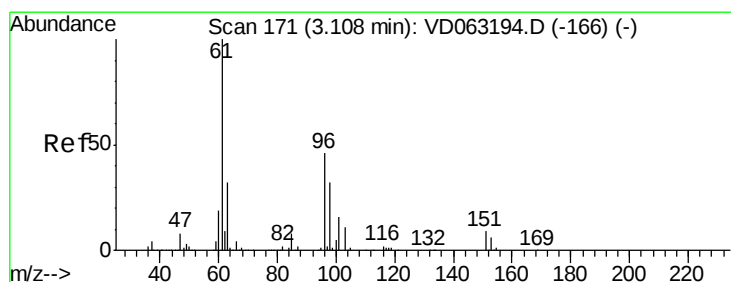
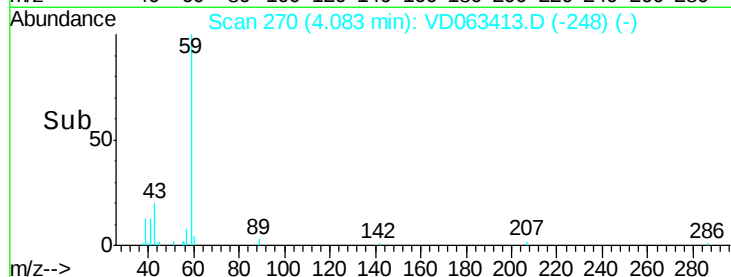
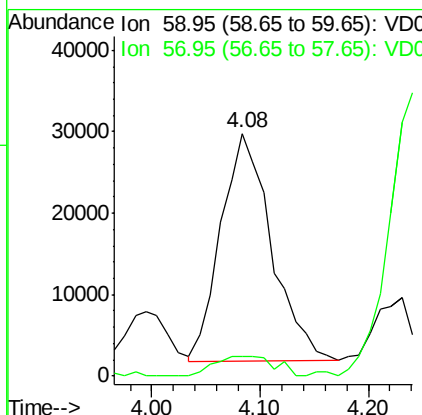
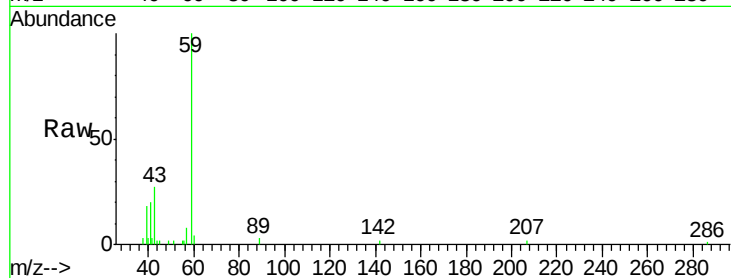


#11

Tert butyl alcohol
 Concen: 188.421 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

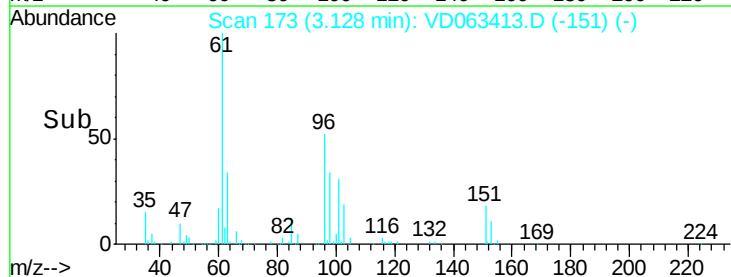
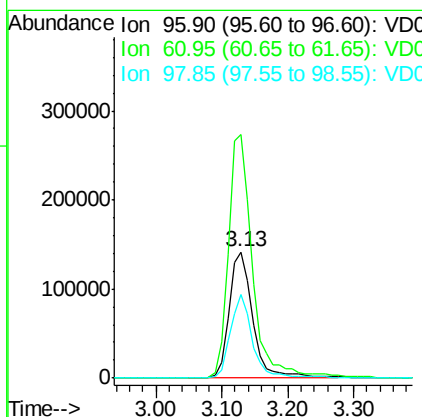
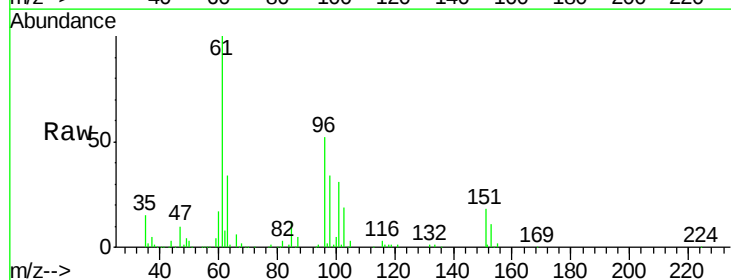
Tot Ion: 59 Resp: 90779
 Ion Ratio Lower Upper
 59 100
 57 8.1 9.6 14.4#

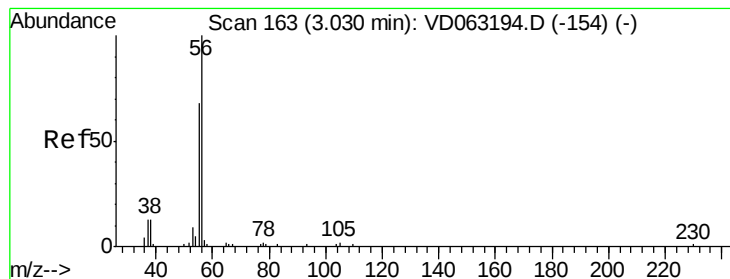


#12

1,1-Dichloroethene
 Concen: 46.890 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion: 96 Resp: 359842
 Ion Ratio Lower Upper
 96 100
 61 192.5 173.7 260.5
 98 65.9 55.8 83.8





#13

Acrolein

Concen: 169.943 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

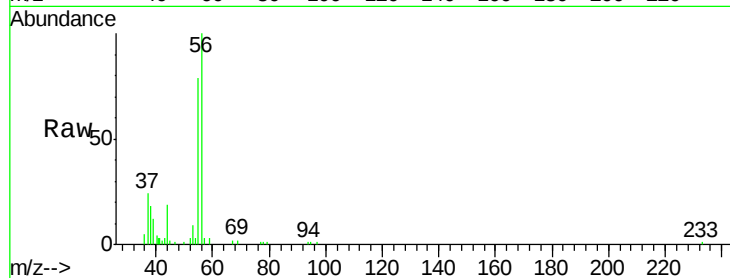
VSTDCCC050EC

Tot Ion: 56 Resp: 78798

Ion Ratio Lower Upper

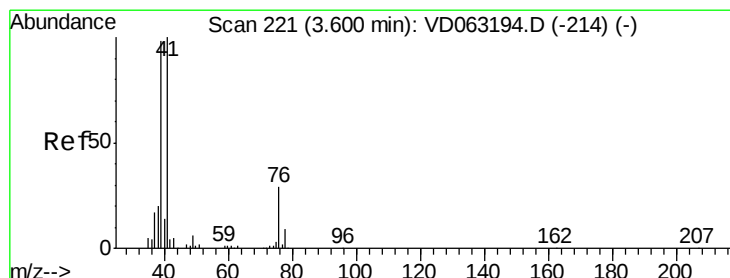
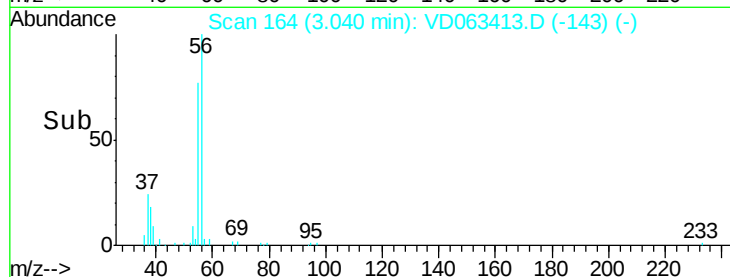
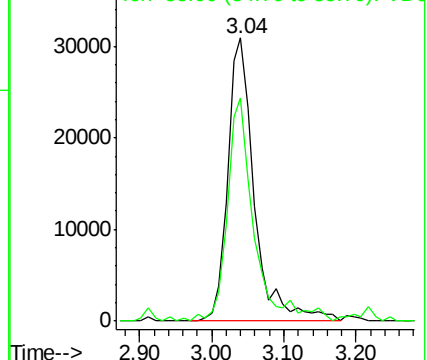
56 100

55 79.0 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 41.925 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

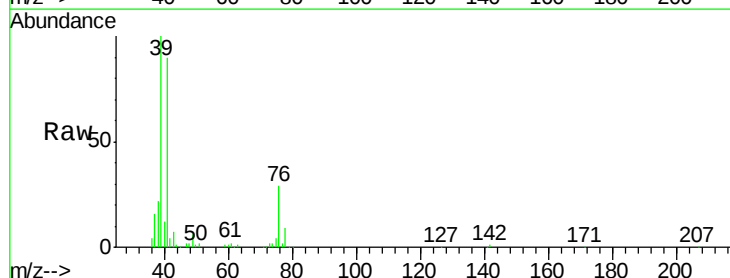
Tgt Ion: 41 Resp: 512543

Ion Ratio Lower Upper

41 100

39 111.4 78.6 117.8

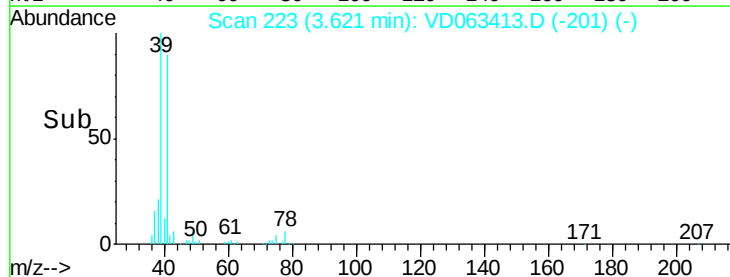
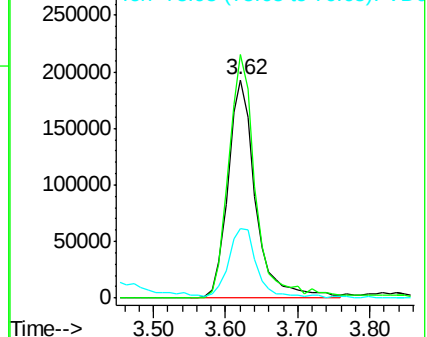
76 32.1 24.5 36.7

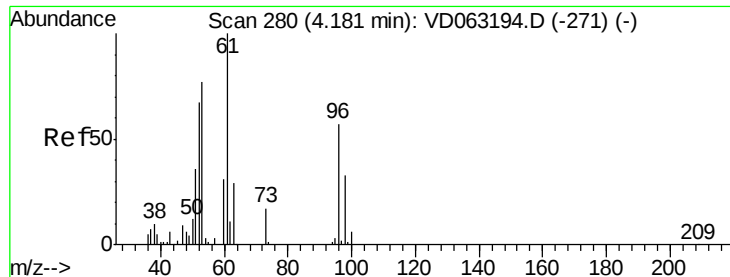


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 215.746 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

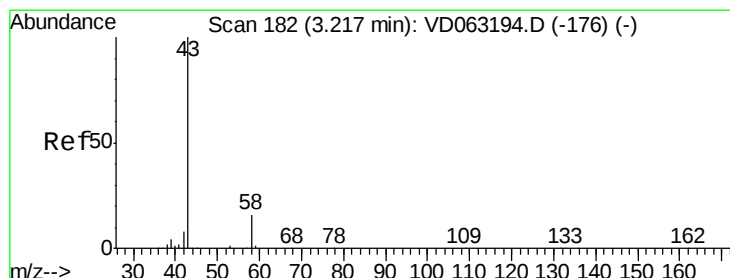
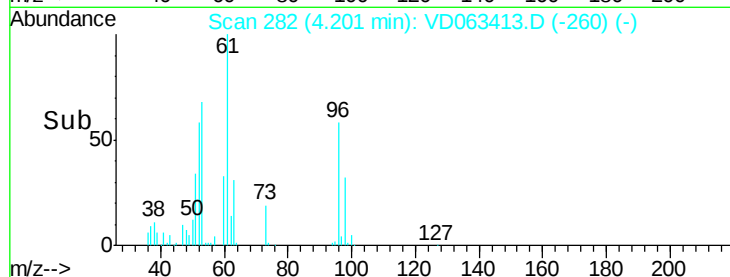
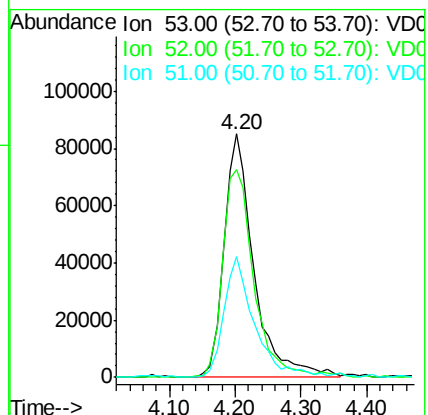
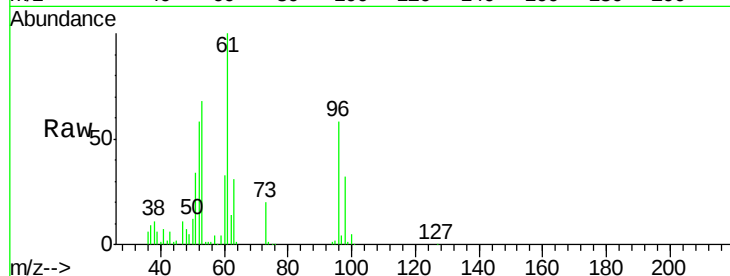
Tot Ion: 53 Resp: 269482

Ion Ratio Lower Upper

53 100

52 85.6 69.7 104.5

51 49.7 37.4 56.0



#16

Acetone

Concen: 196.942 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063413.D

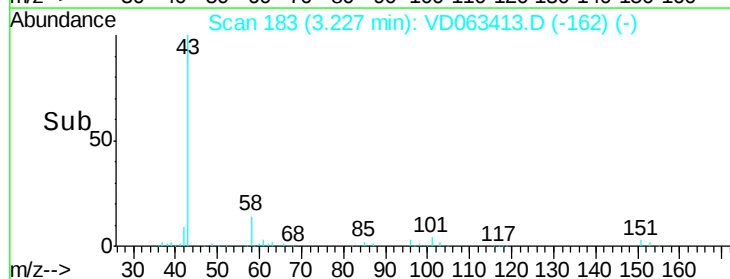
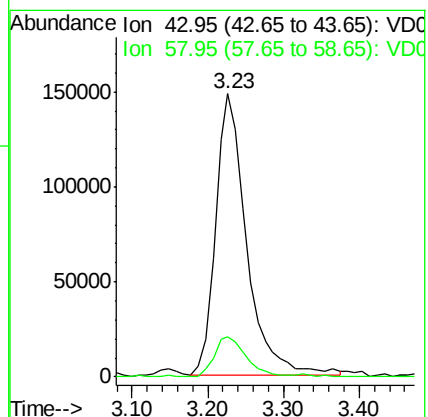
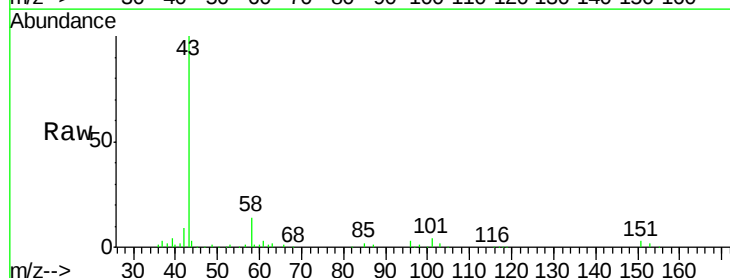
Acq: 6 Aug 2019 21:43

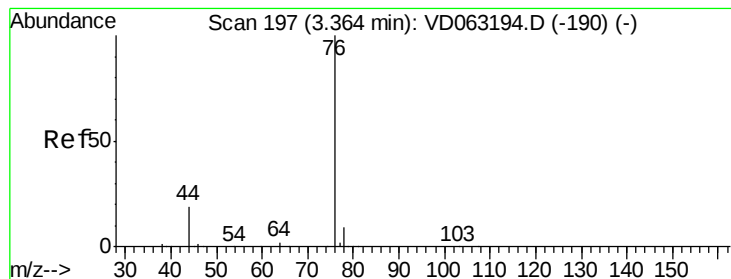
Tgt Ion: 43 Resp: 421266

Ion Ratio Lower Upper

43 100

58 14.1 13.0 19.4





#17

Carbon Disulfide

Concen: 42.045 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

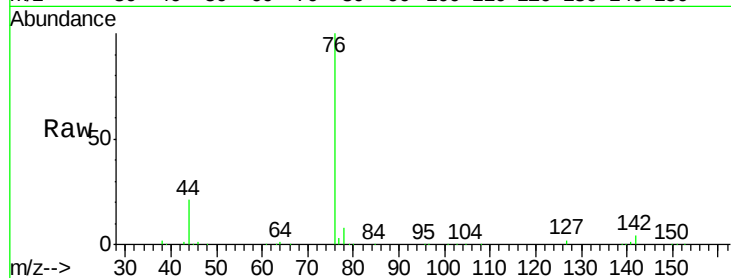
VSTDCCC050EC

Tot Ion: 76 Resp: 1079997

Ion Ratio Lower Upper

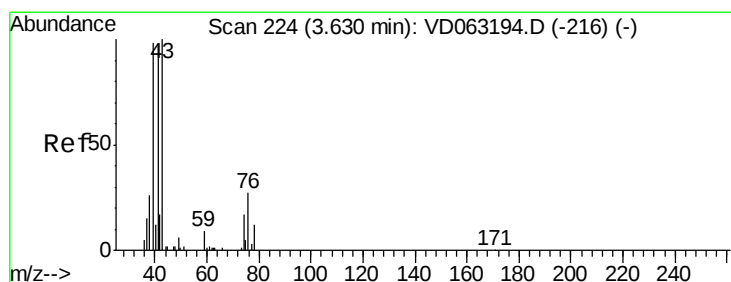
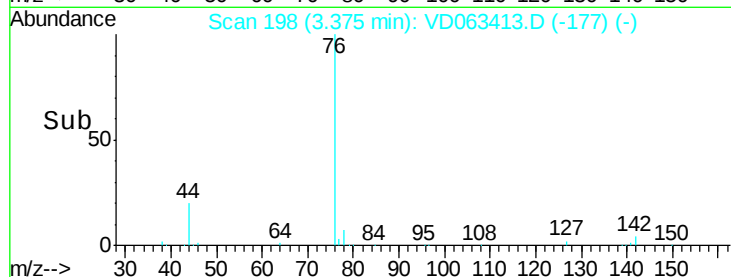
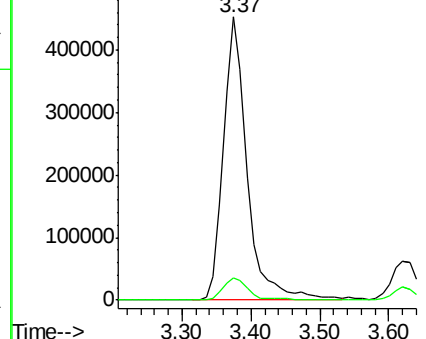
76 100

78 7.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 42.642 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063413.D

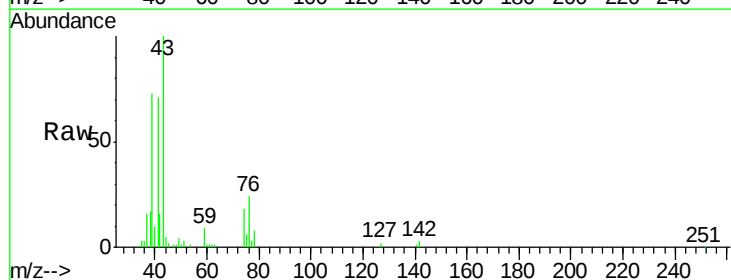
Acq: 6 Aug 2019 21:43

Tgt Ion: 43 Resp: 175204

Ion Ratio Lower Upper

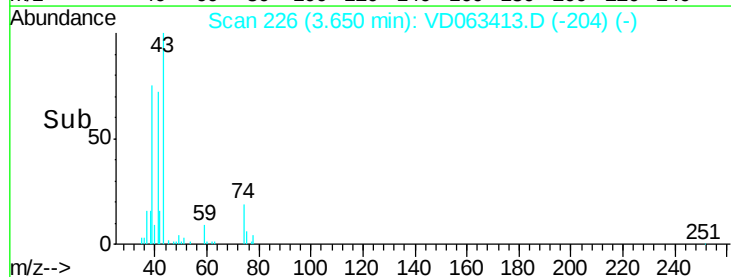
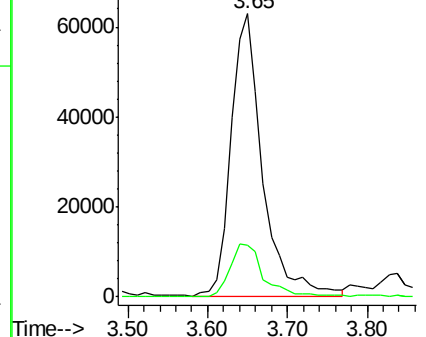
43 100

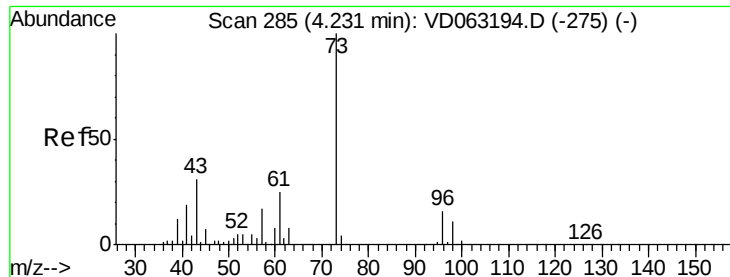
74 18.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

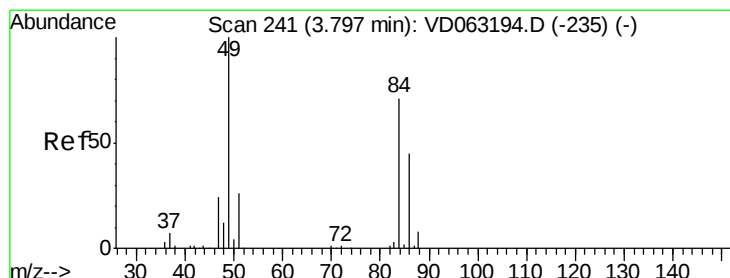
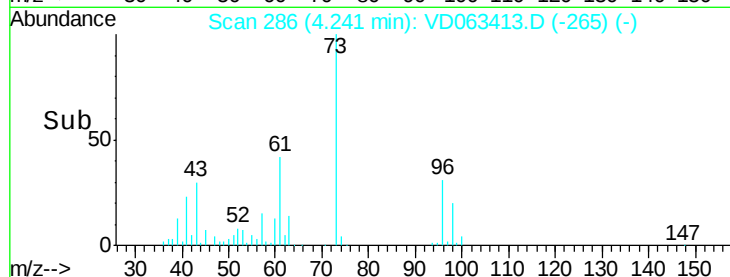
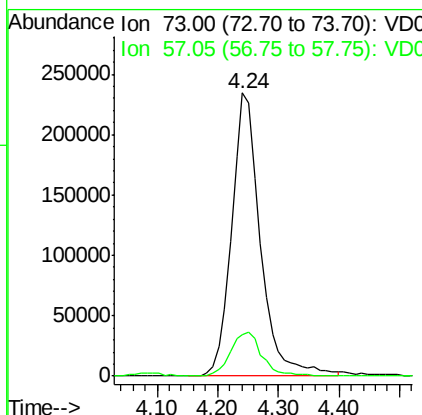
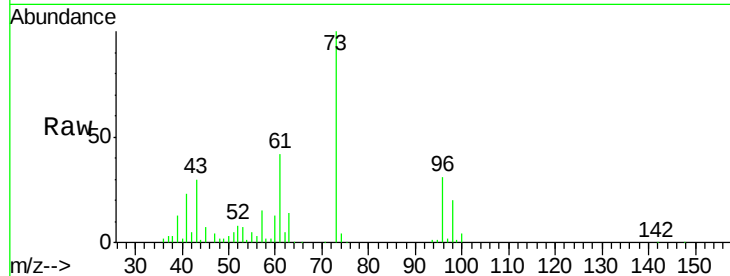




#19
Methyl tert-butyl Ether
Concen: 44.647 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

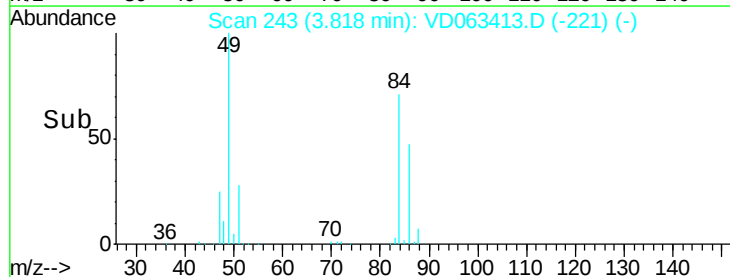
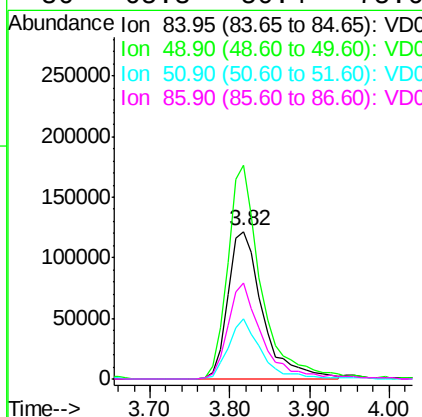
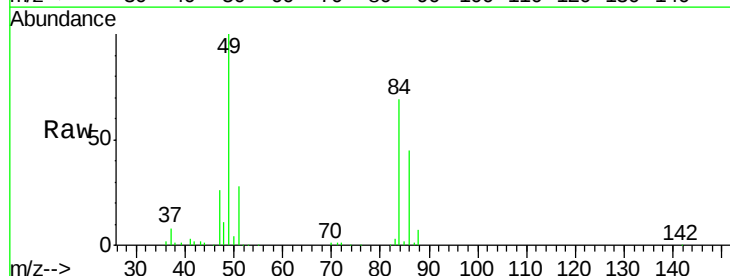
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

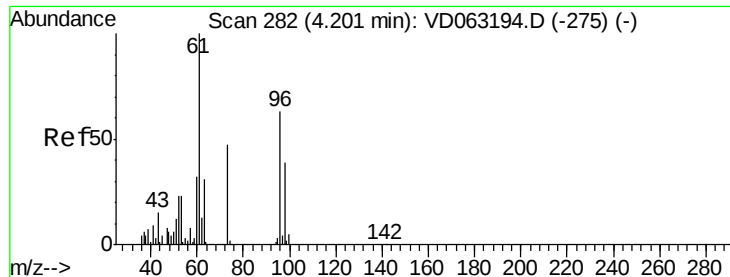
Tot Ion: 73 Resp: 773957
Ion Ratio Lower Upper
73 100
57 14.8 13.8 20.6



#20
Methylene Chloride
Concen: 42.873 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 84 Resp: 370686
Ion Ratio Lower Upper
84 100
49 144.9 112.5 168.7
51 40.9 29.6 44.4
86 65.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 44.167 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

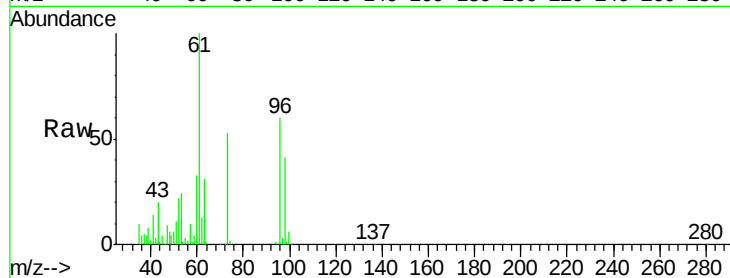
Tot Ion: 96 Resp: 380312

Ion Ratio Lower Upper

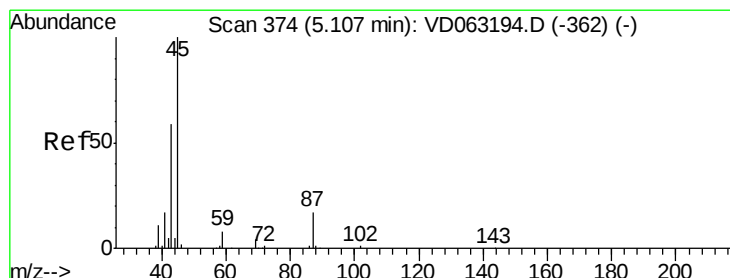
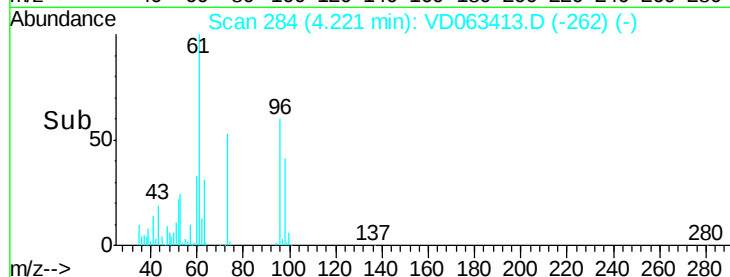
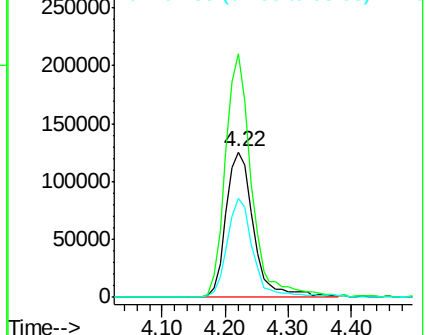
96 100

61 167.5 127.4 191.2

98 67.9 49.3 73.9



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: 43.760 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Tgt Ion: 45 Resp: 1068841

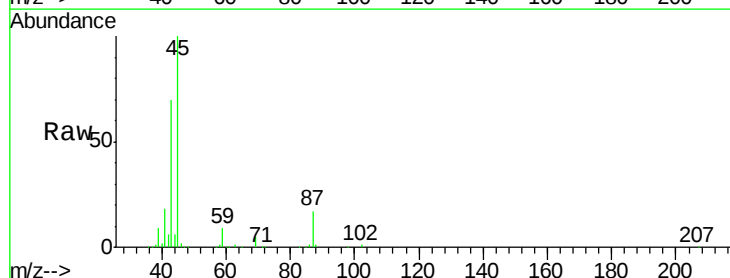
Ion Ratio Lower Upper

45 100

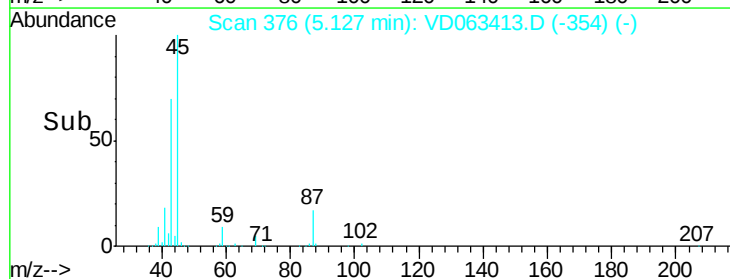
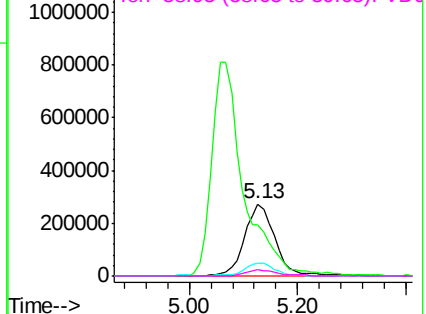
43 70.1 51.7 77.5

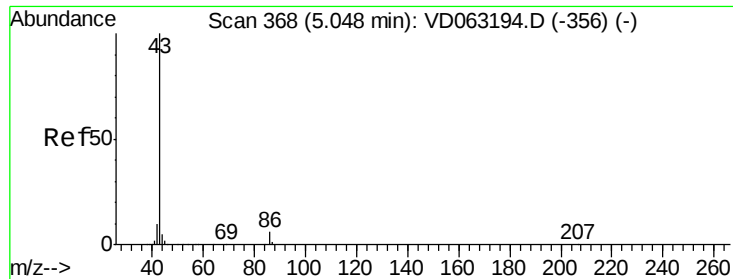
87 17.2 14.6 21.8

59 8.9 6.6 10.0



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: 219.174 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

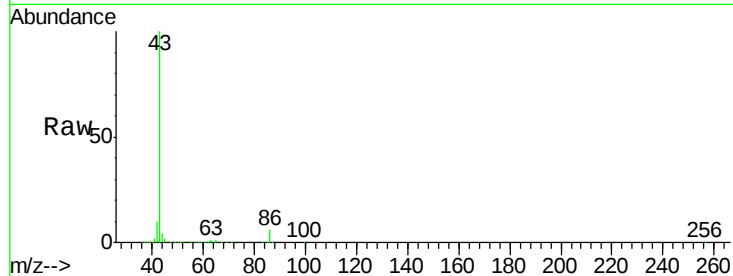
VSTDCCC050EC

Tot Ion: 43 Resp: 3290690

Ion Ratio Lower Upper

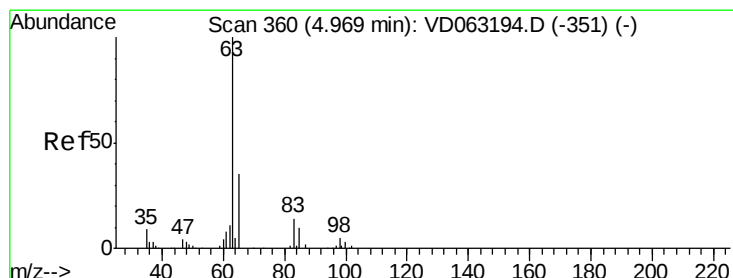
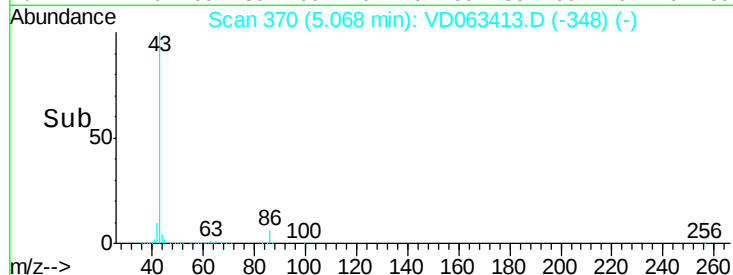
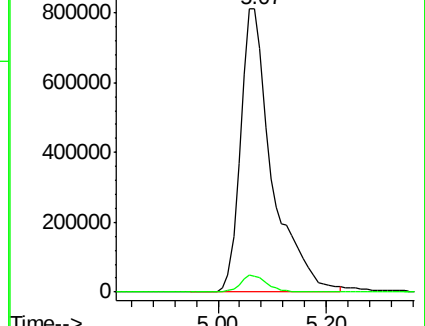
43 100

86 5.8 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.894 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

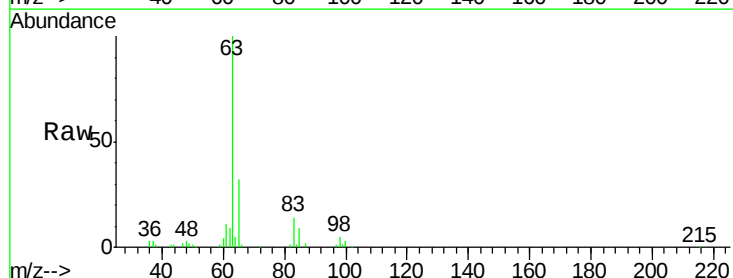
Tgt Ion: 63 Resp: 731618

Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.4

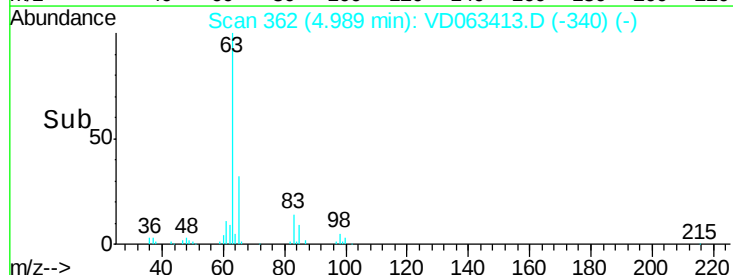
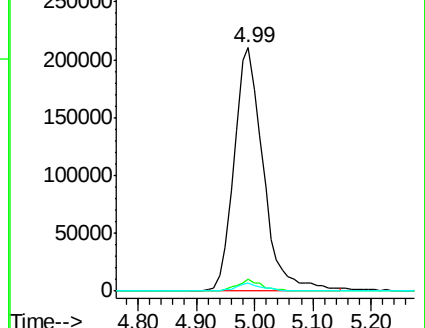
100 3.2 1.3 3.9

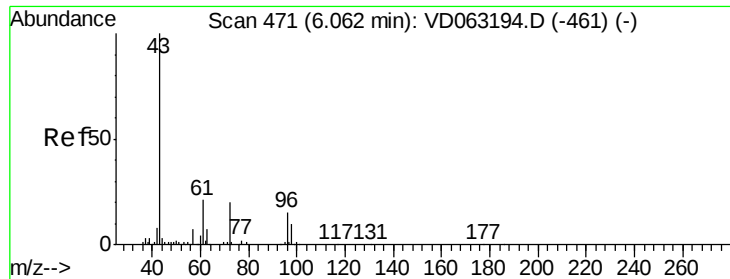


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 221.447 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

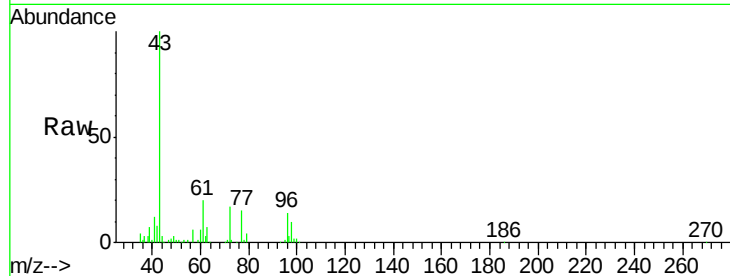
VSTDCCC050EC

Tot Ion: 43 Resp: 475379

Ion Ratio Lower Upper

43 100

72 17.2 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

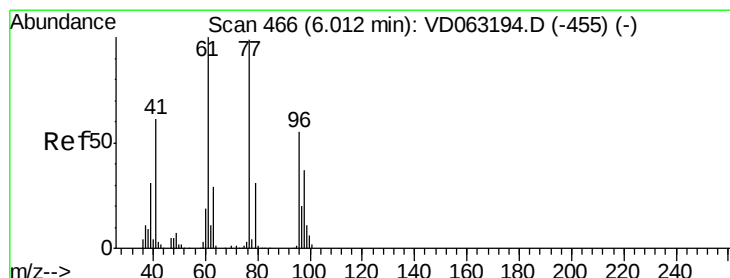
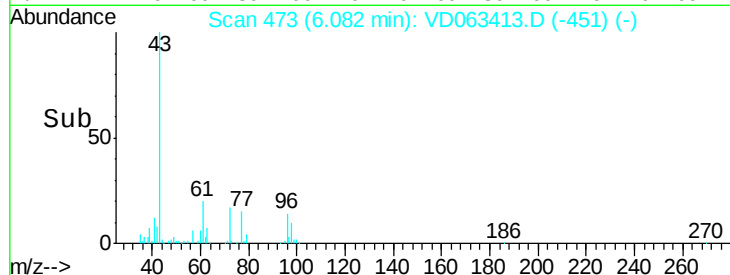
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 44.110 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063413.D

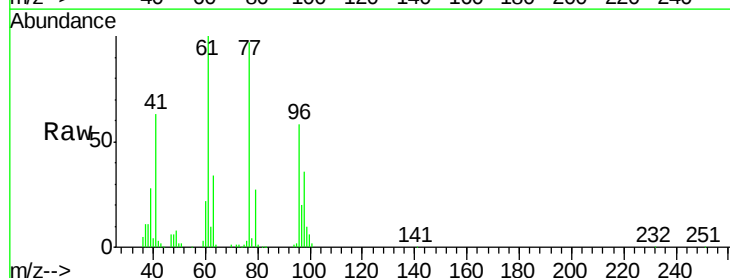
Acq: 6 Aug 2019 21:43

Tgt Ion: 77 Resp: 709202

Ion Ratio Lower Upper

77 100

97 20.8 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

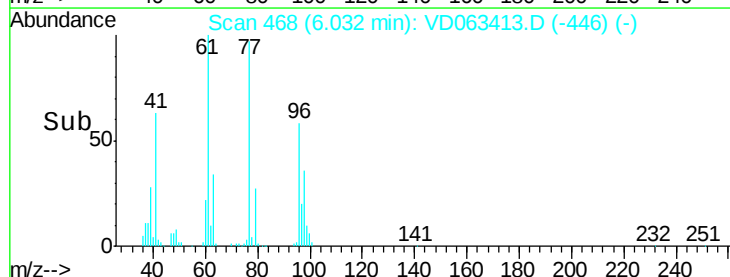
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



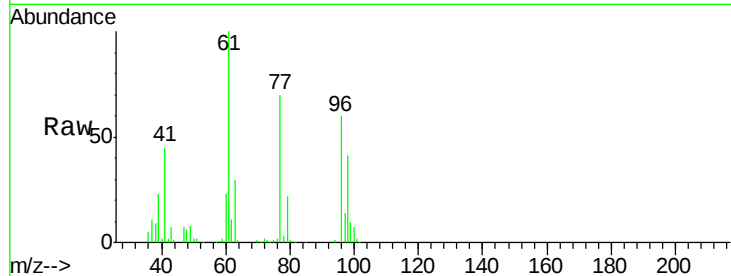


#27

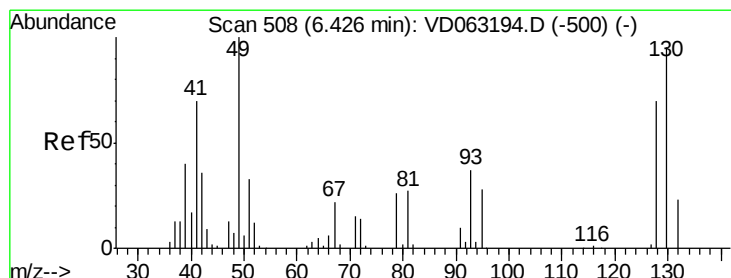
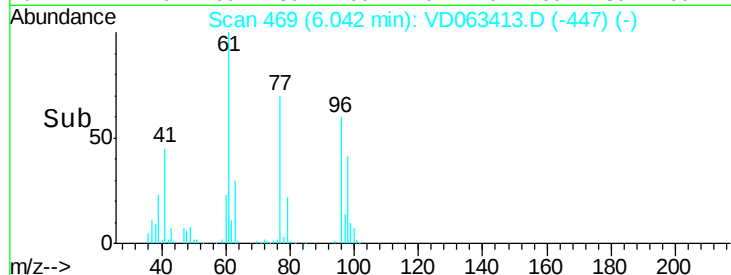
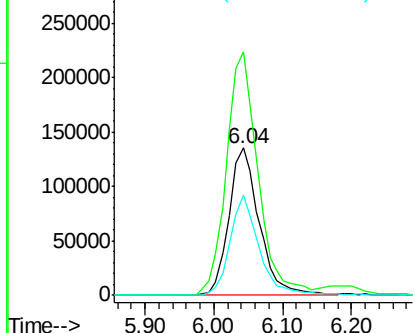
cis-1,2-Dichloroethene
Concen: 44.841 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	337.2
98	68.0	0.0	130.6



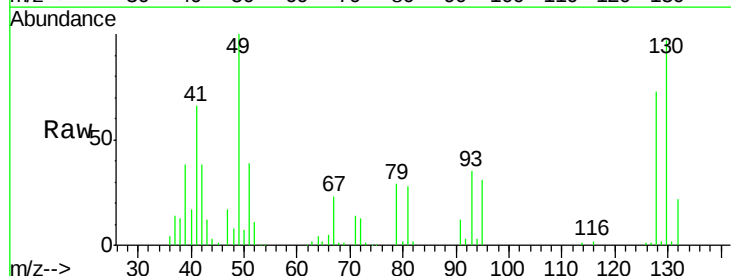
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



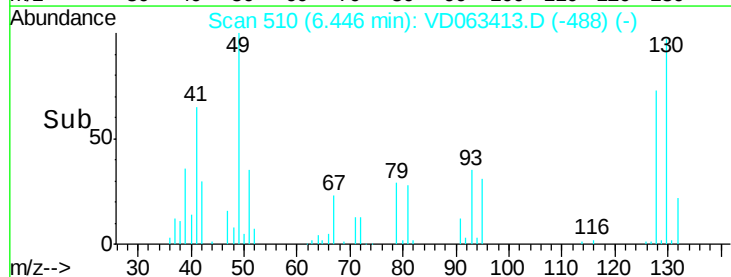
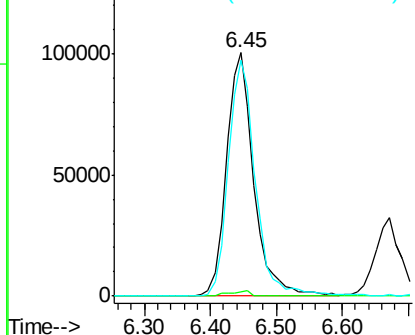
#28

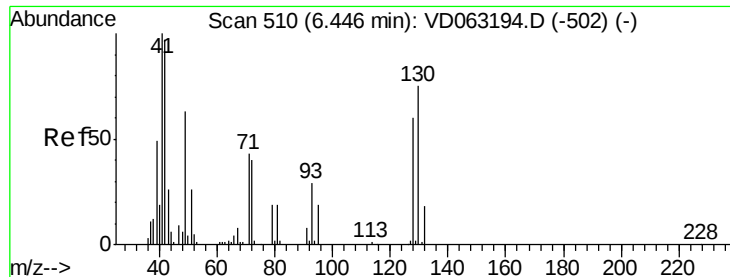
Bromochloromethane
Concen: 46.861 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	96.7	75.7	113.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 219.128 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

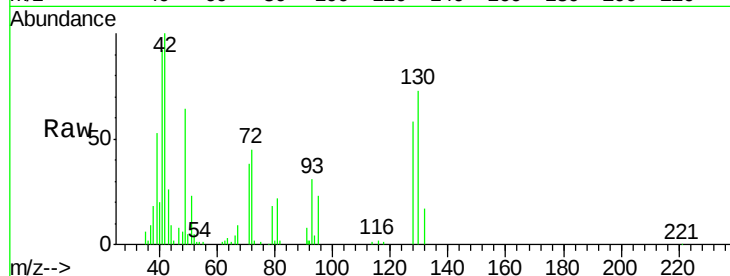
Tot Ion: 42 Resp: 222711

Ion Ratio Lower Upper

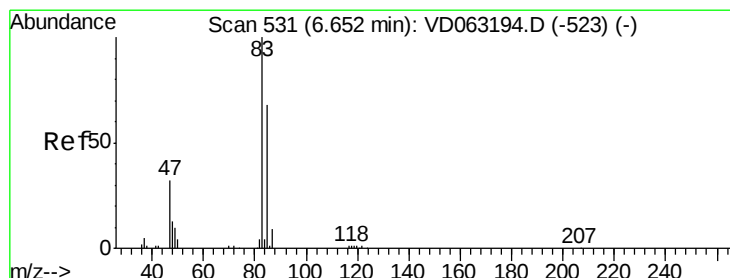
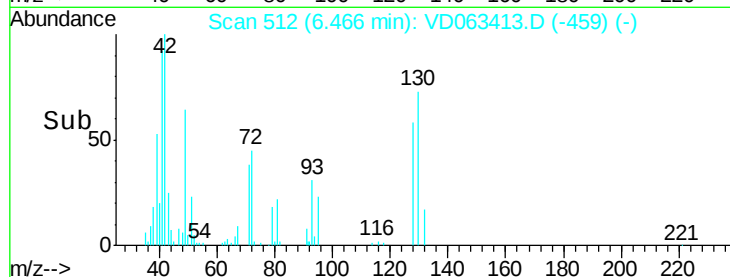
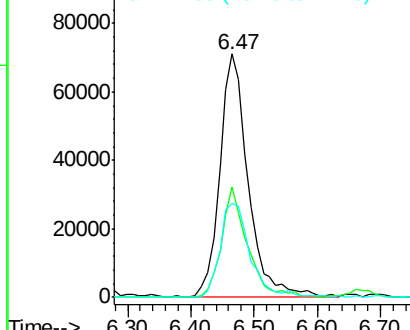
42 100

72 41.3 33.4 50.2

71 41.2 35.7 53.5



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: 47.472 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.02 min

Lab File: VD063413.D

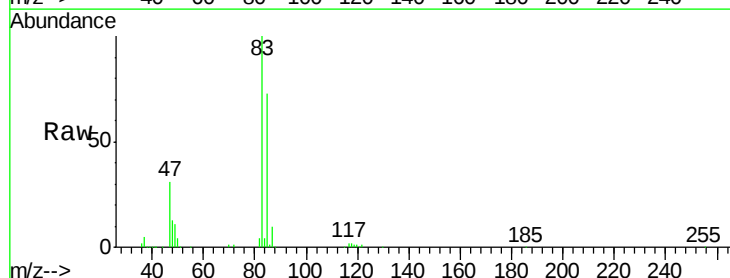
Acq: 6 Aug 2019 21:43

Tgt Ion: 83 Resp: 919143

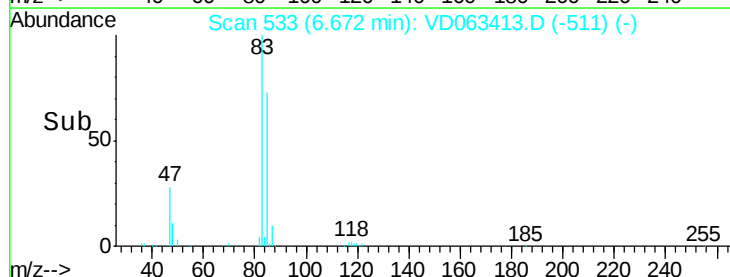
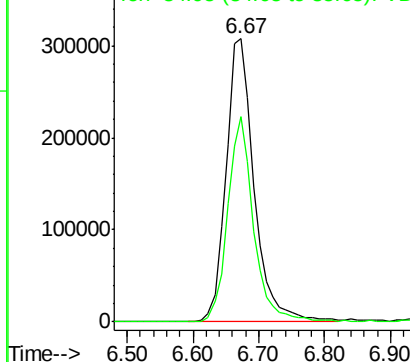
Ion Ratio Lower Upper

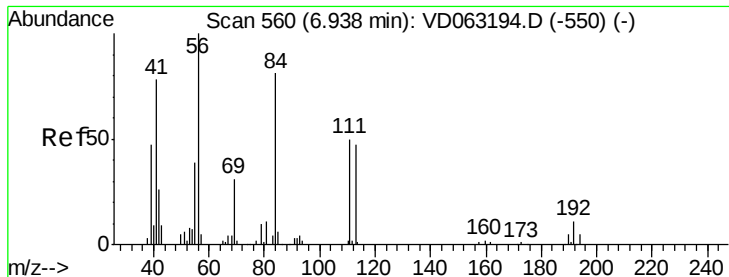
83 100

85 72.6 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 42.295 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

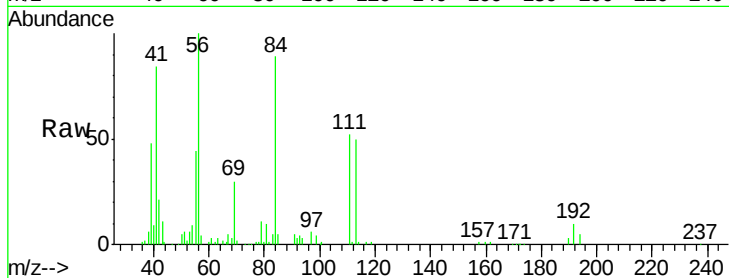
Tot Ion: 56 Resp: 413605

Ion Ratio Lower Upper

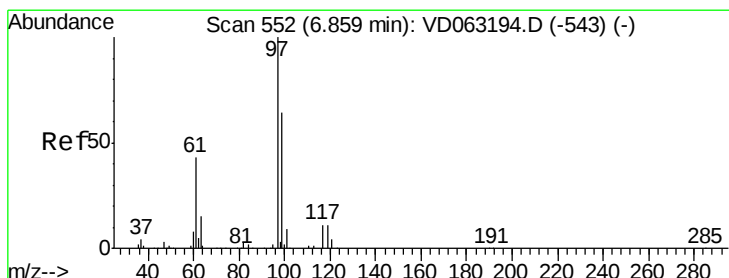
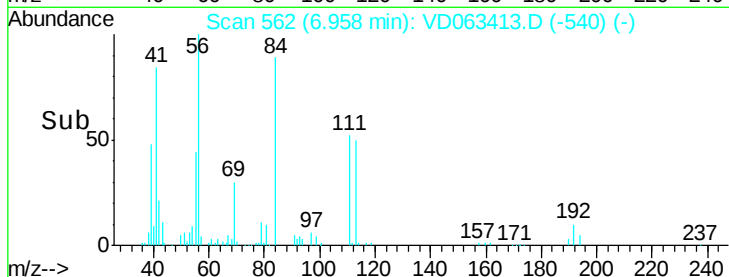
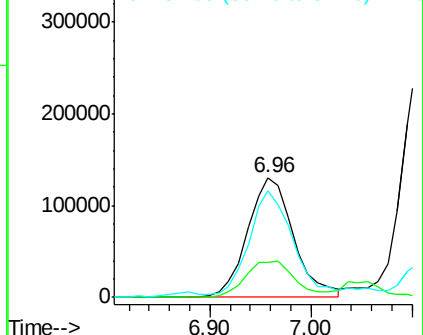
56 100

69 29.5 24.5 36.7

84 88.8 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 51.096 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

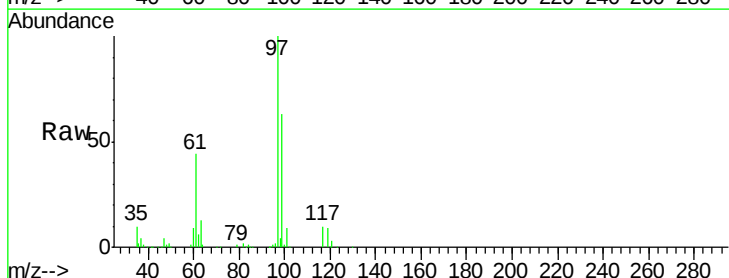
Tgt Ion: 97 Resp: 956910

Ion Ratio Lower Upper

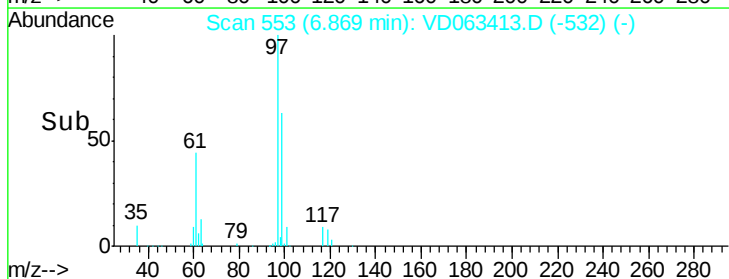
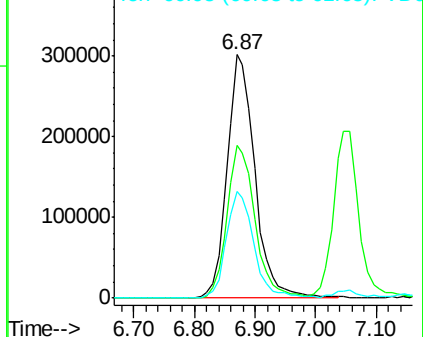
97 100

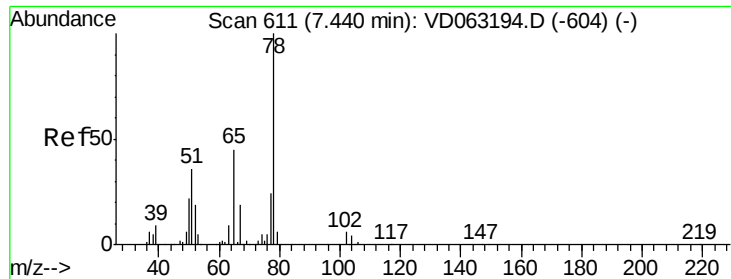
99 62.7 51.2 76.8

61 43.8 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 45.389 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

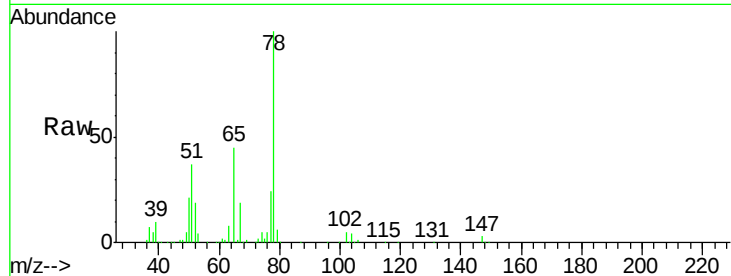
VSTDCCC050EC

Tot Ion: 65 Resp: 498298

Ion Ratio Lower Upper

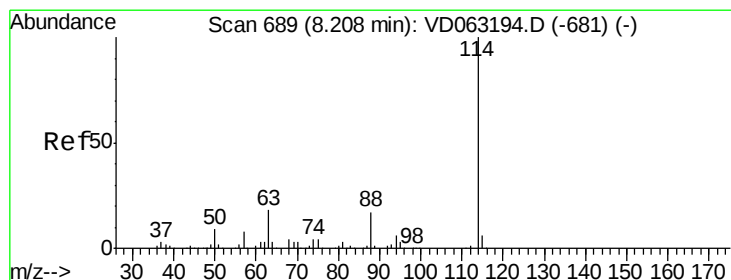
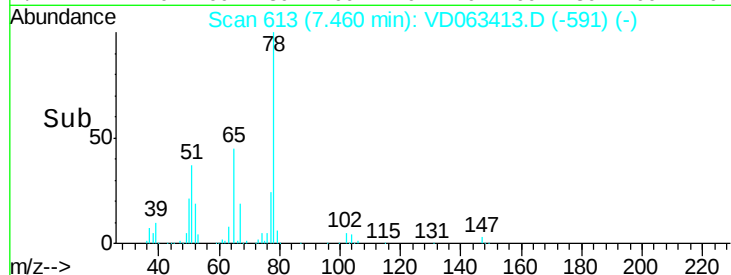
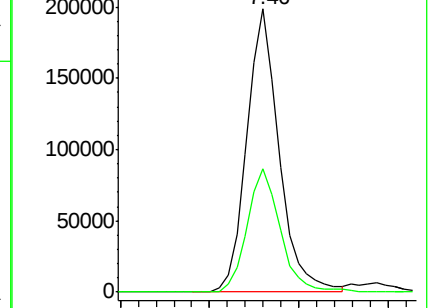
65 100

67 43.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

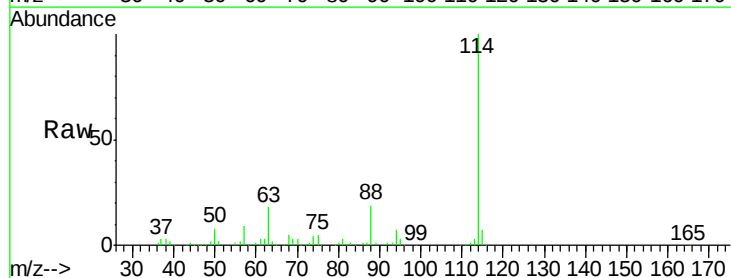
Tgt Ion: 114 Resp: 1312674

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.2

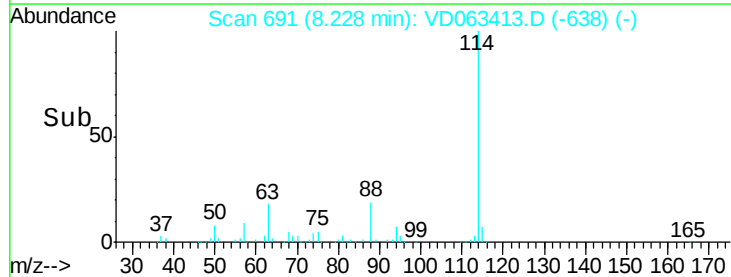
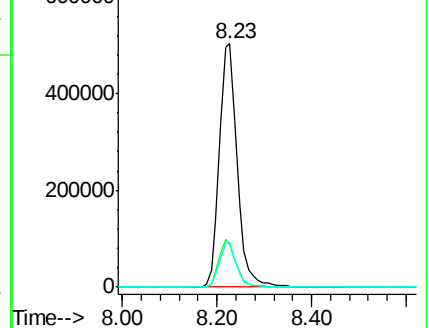
88 18.6 0.0 34.6

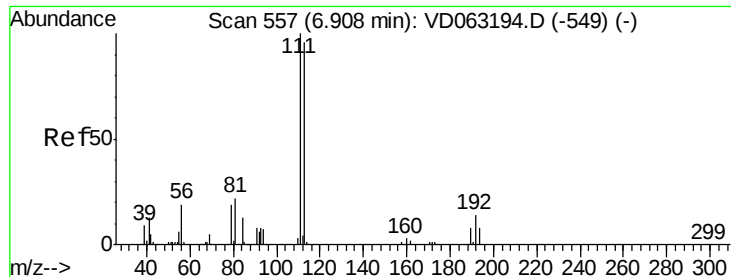


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.529 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

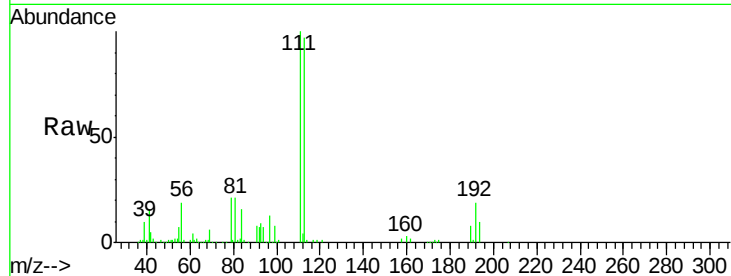
Tot Ion:113 Resp: 566305

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

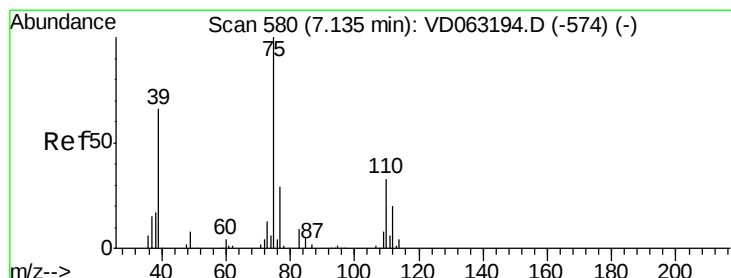
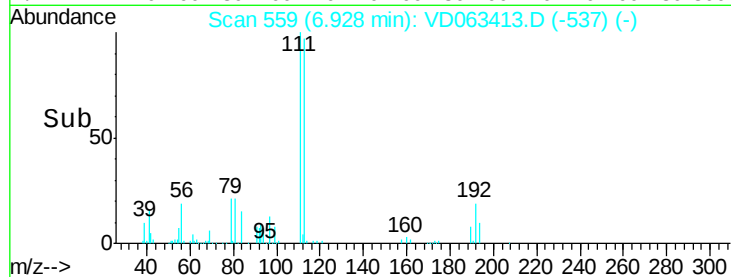
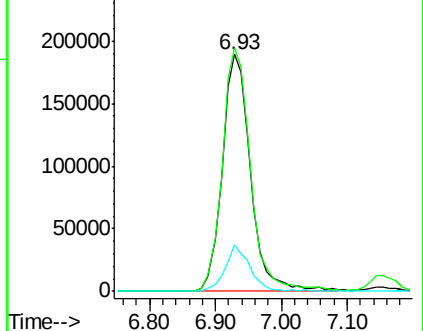
192 19.6 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.169 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

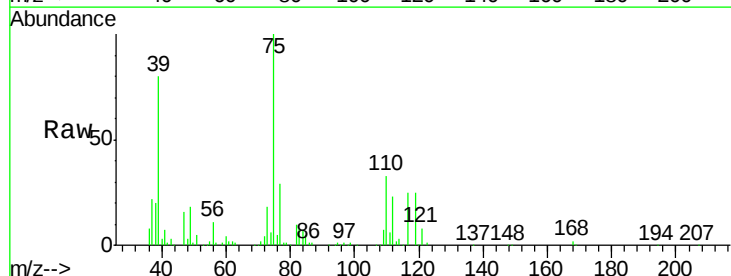
Tgt Ion: 75 Resp: 601014

Ion Ratio Lower Upper

75 100

110 32.7 16.1 48.2

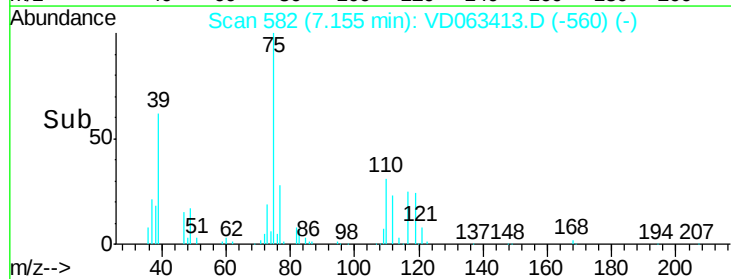
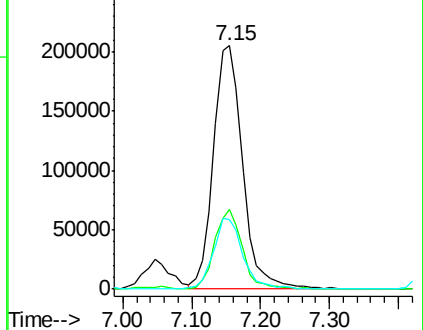
77 28.8 22.7 34.1

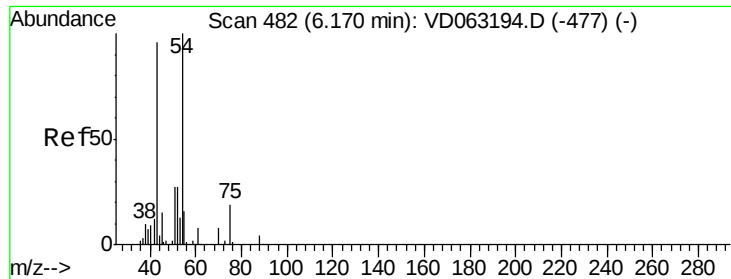


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

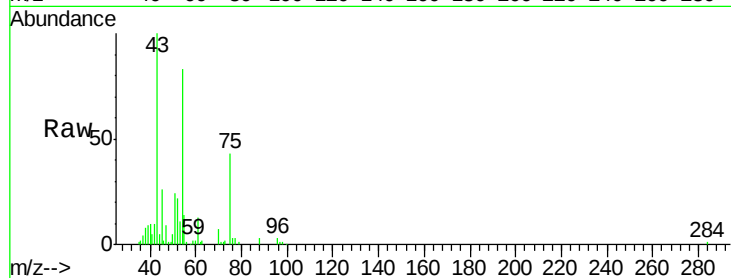




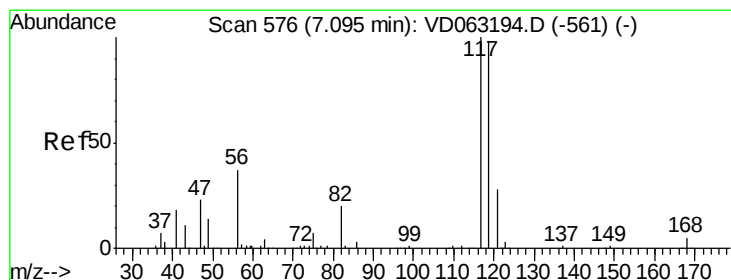
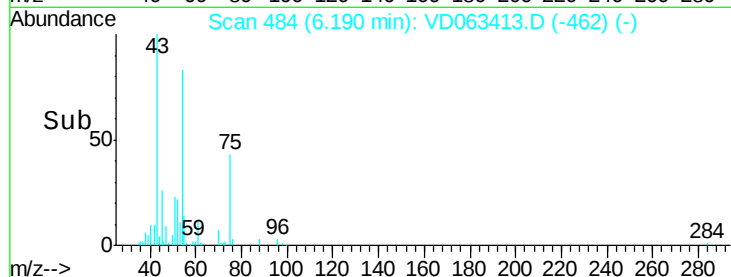
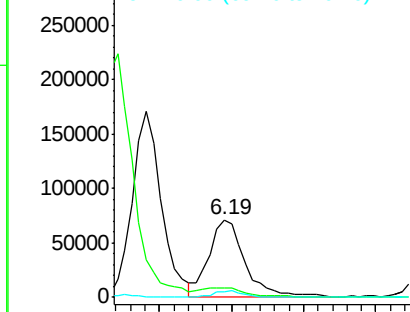
#37
Ethyl Acetate
Concen: 44.768 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 240943
Ion Ratio Lower Upper
43 100
61 12.8 11.3 16.9
70 6.5 5.1 7.7

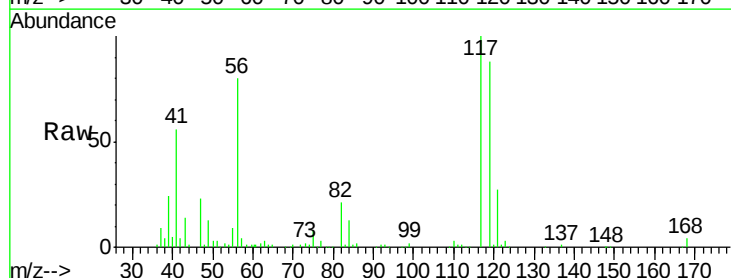


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

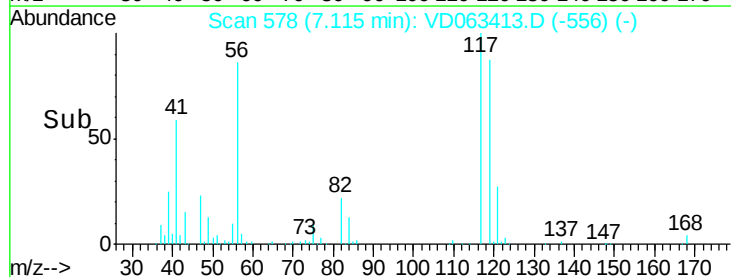
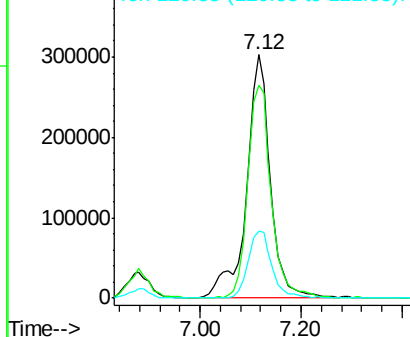


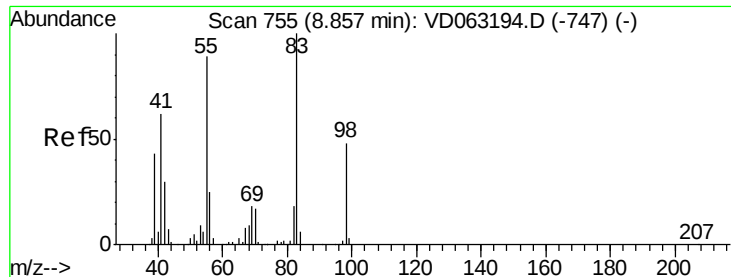
#38
Carbon Tetrachloride
Concen: 55.243 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 117 Resp: 996312
Ion Ratio Lower Upper
117 100
119 87.6 78.2 117.2
121 27.4 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

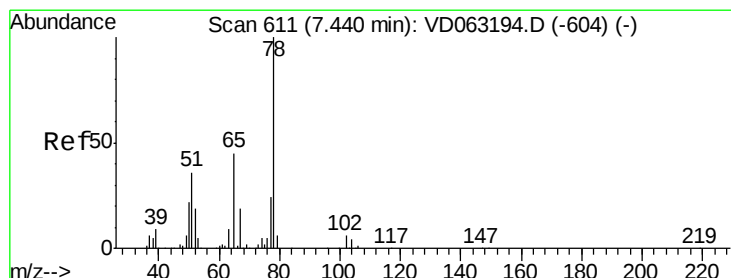
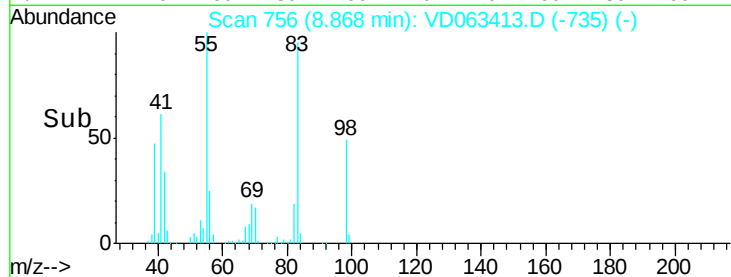
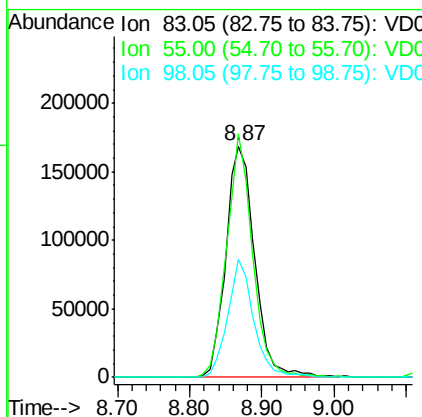
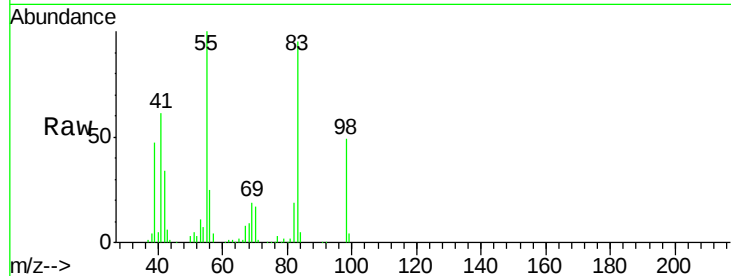




#39
Methvlcvclohexane
Concen: 46.903 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

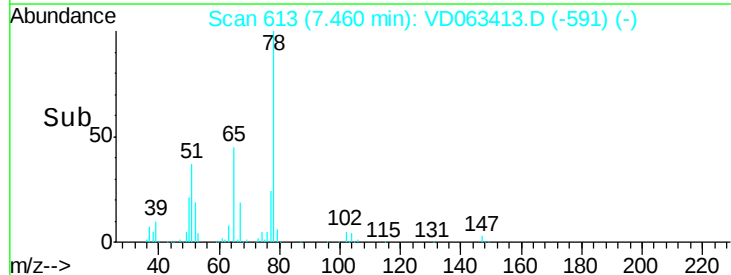
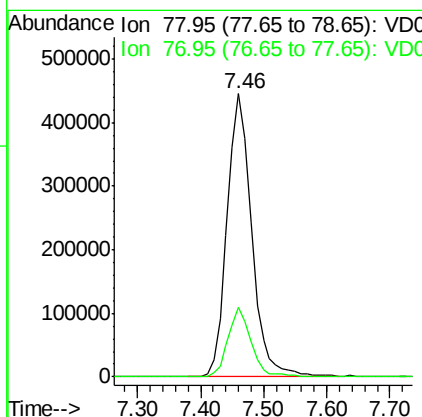
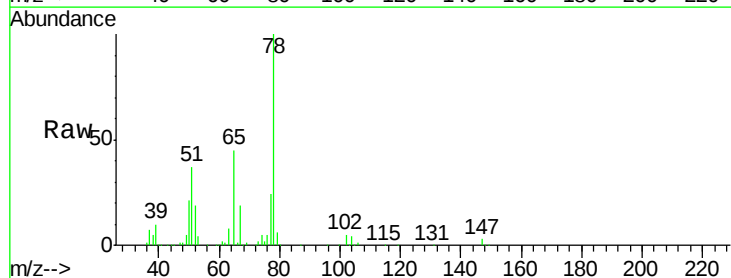
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

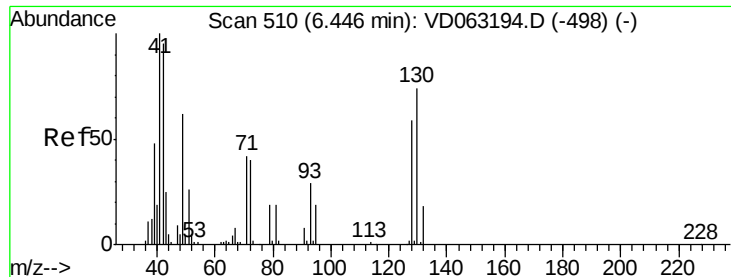
Tot Ion: 83 Resp: 468144
Ion Ratio Lower Upper
83 100
55 105.3 71.1 106.7
98 51.2 38.5 57.7



#40
Benzene
Concen: 48.041 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 78 Resp: 1206176
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.2





#41

Methacrylonitrile

Concen: 45.012 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 289786

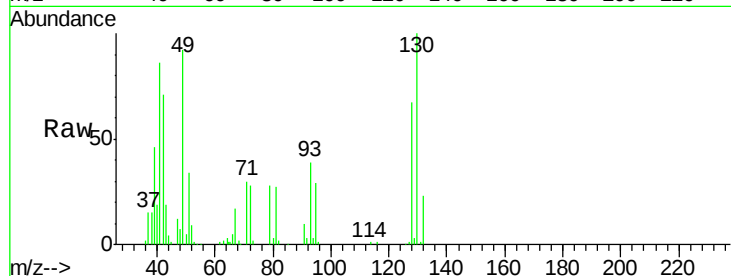
Ion Ratio Lower Upper

41 100

39 54.2 38.4 57.6

67 20.2 6.7 10.1#

52 10.3 4.3 6.5#

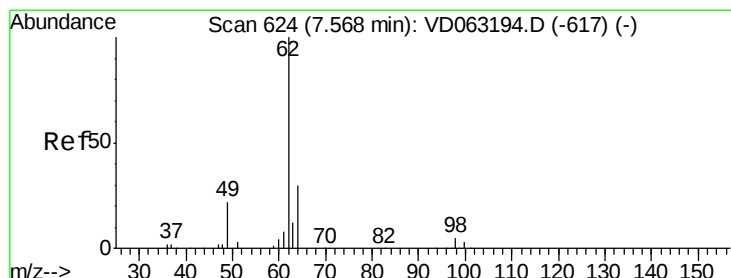
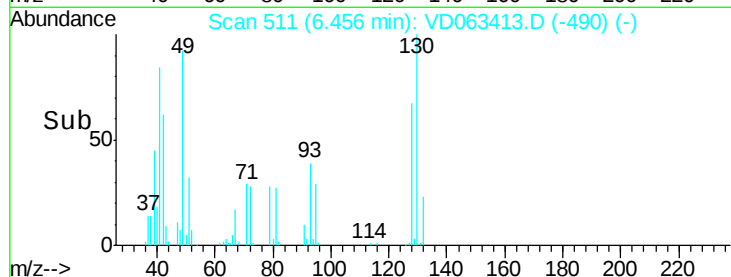
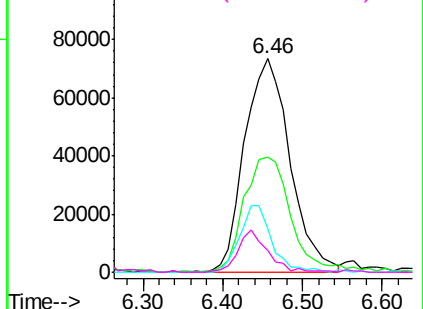


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.162 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD063413.D

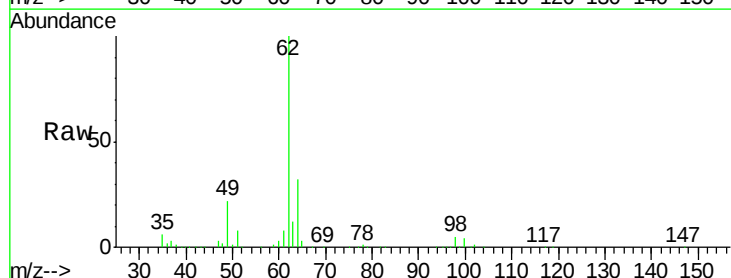
Acq: 6 Aug 2019 21:43

Tgt Ion: 62 Resp: 654163

Ion Ratio Lower Upper

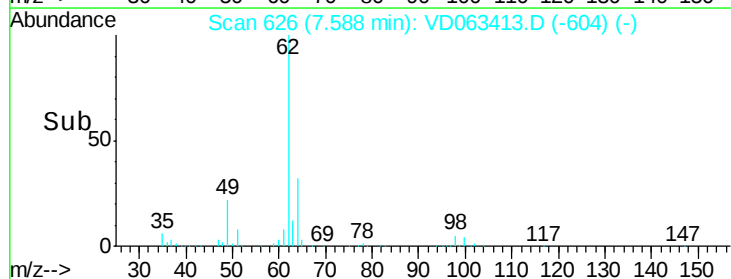
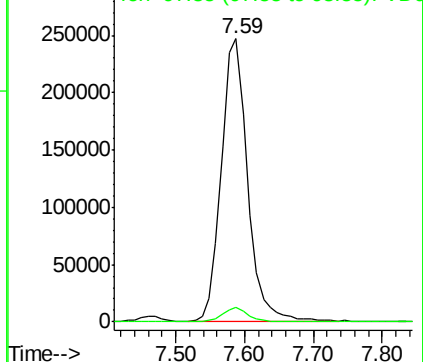
62 100

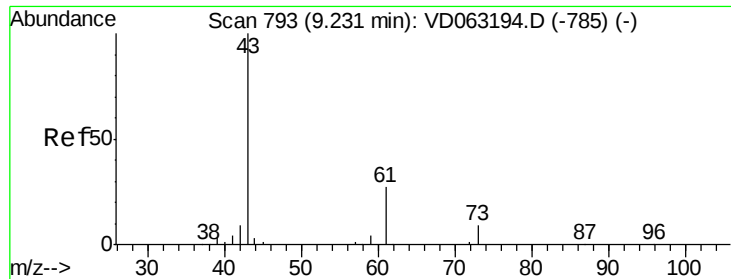
98 5.0 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



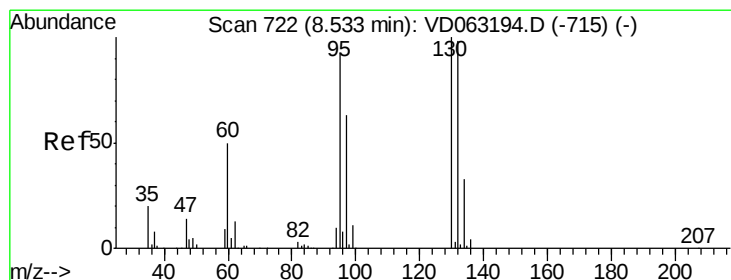
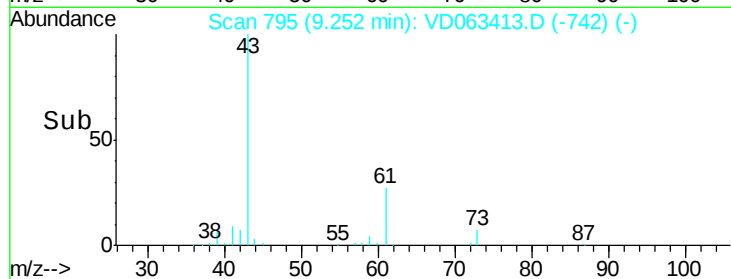
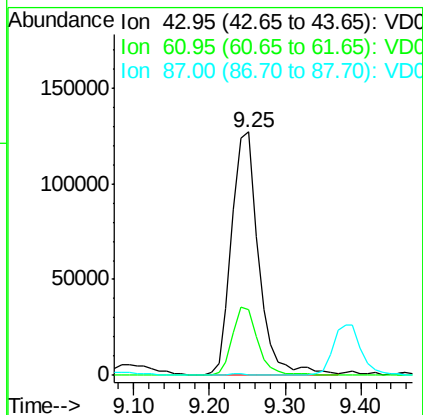
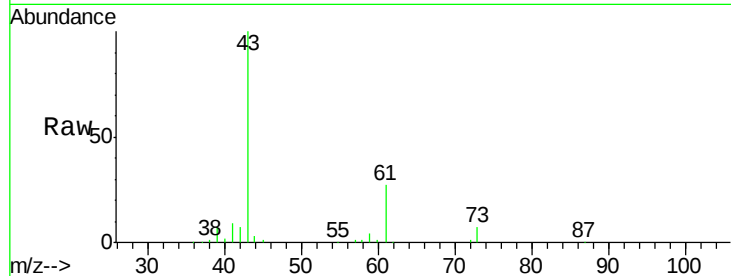


#43

Isopropyl Acetate
 Concen: 45.394 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

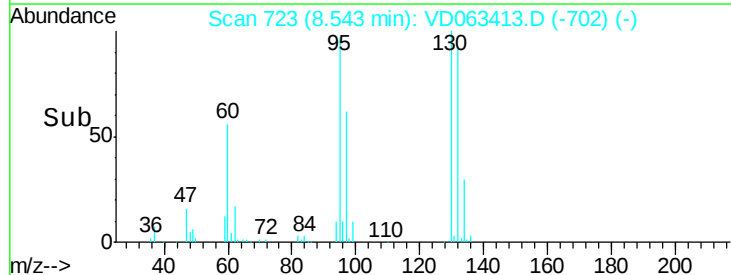
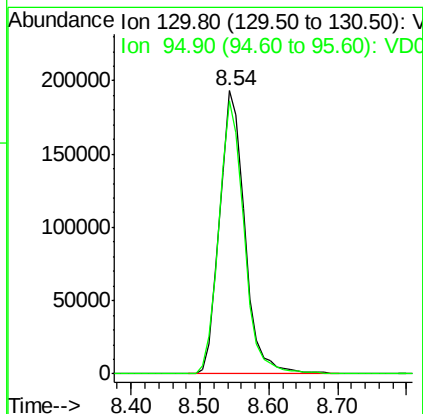
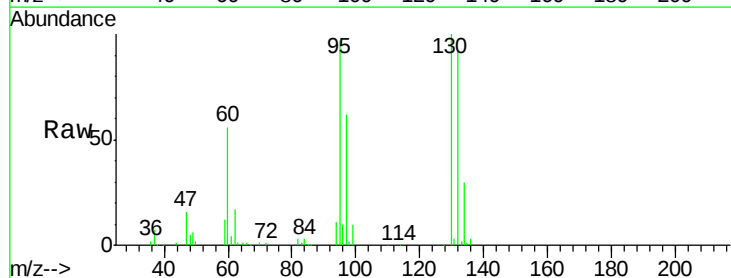
Tot Ion: 43 Resp: 312083
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.4 32.0
 87 0.2 0.2 0.4

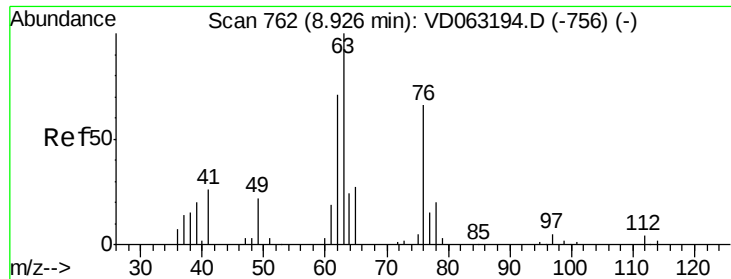


#44

Trichloroethene
 Concen: 47.989 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion: 130 Resp: 488235
 Ion Ratio Lower Upper
 130 100
 95 96.6 0.0 185.4





#45

1,2-Dichloropropane

Concen: 43.889 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

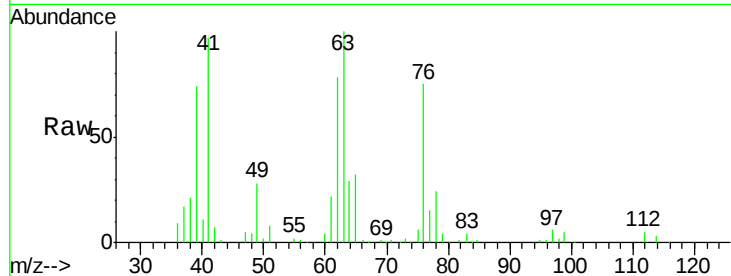
VSTDCCC050EC

Tot Ion: 63 Resp: 280088

Ion Ratio Lower Upper

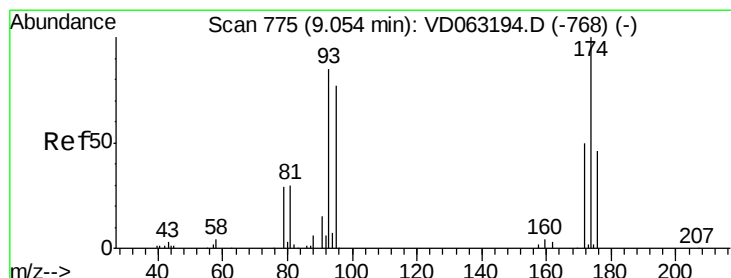
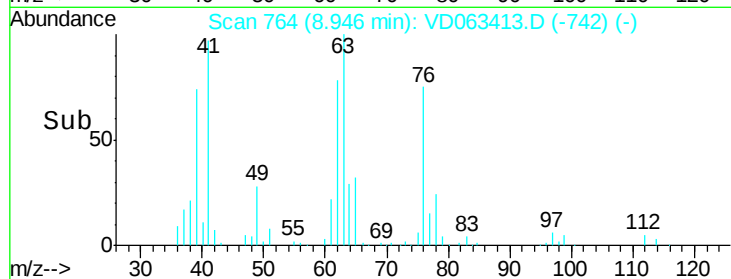
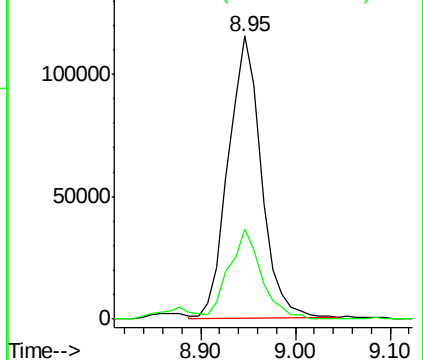
63 100

65 31.7 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.350 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

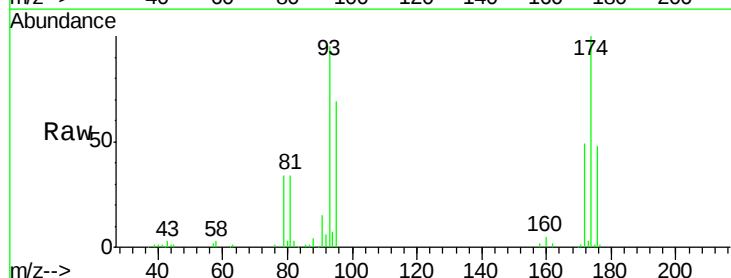
Tgt Ion: 93 Resp: 256555

Ion Ratio Lower Upper

93 100

95 72.6 72.8 109.2#

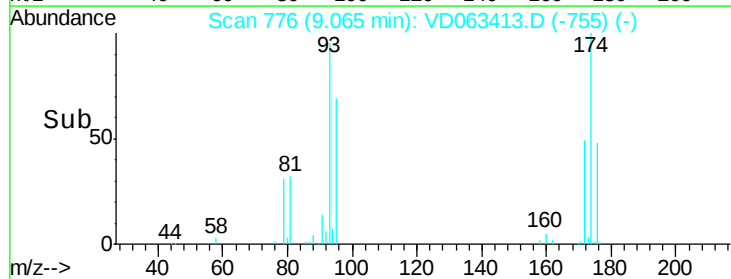
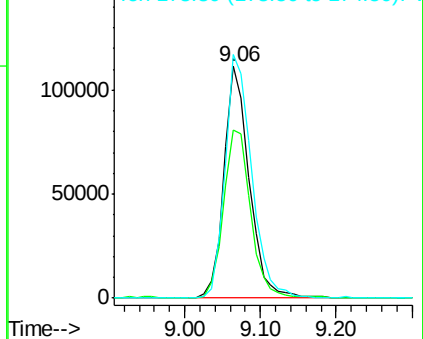
174 105.0 94.4 141.6

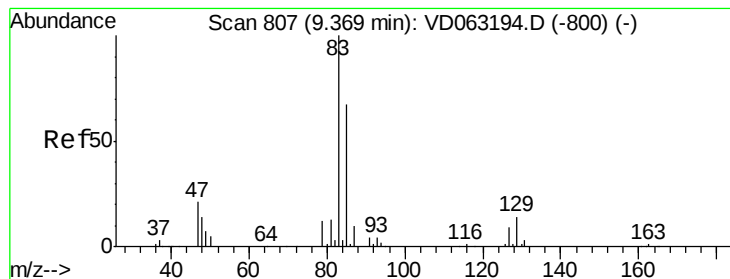


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.162 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

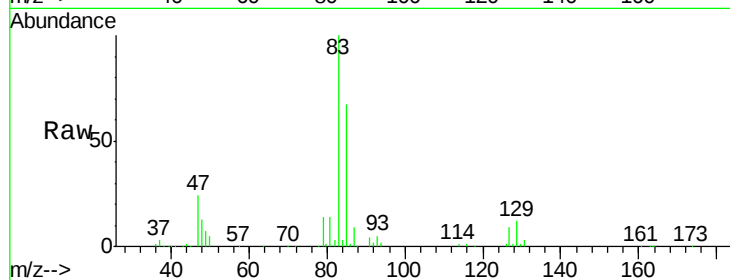
Tot Ion: 83 Resp: 692034

Ion Ratio Lower Upper

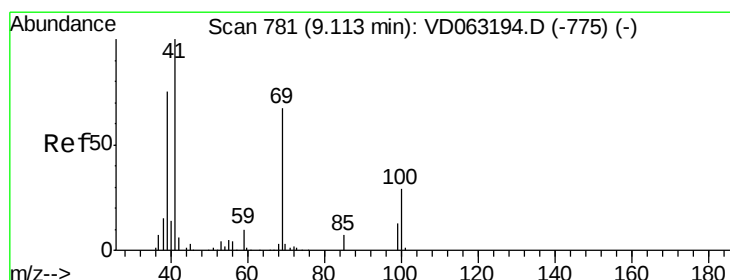
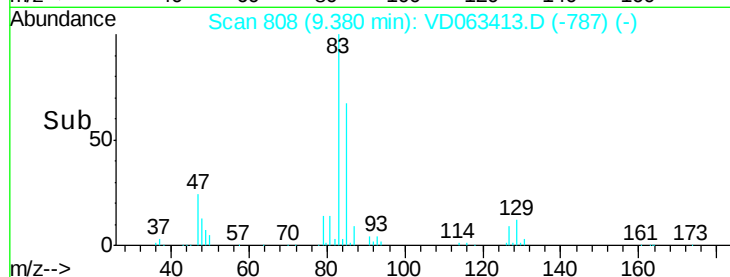
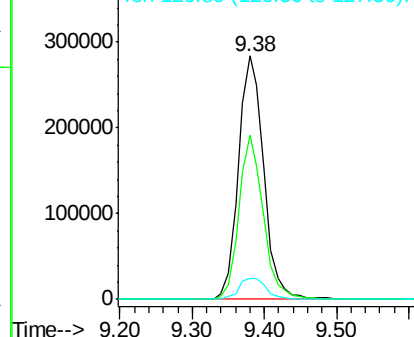
83 100

85 67.4 53.6 80.4

127 8.6 7.2 10.8



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: 48.211 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

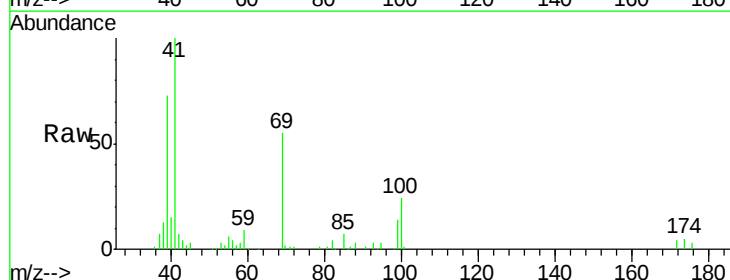
Tgt Ion: 41 Resp: 214964

Ion Ratio Lower Upper

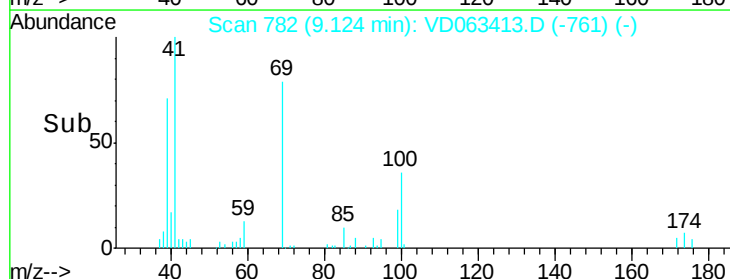
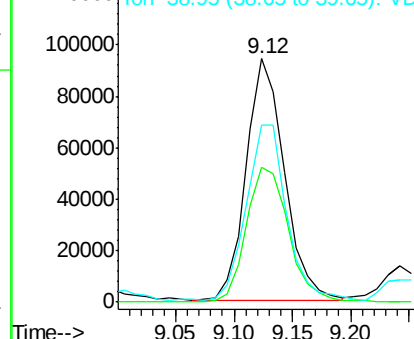
41 100

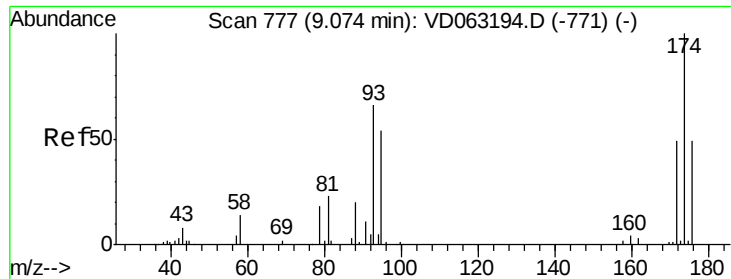
69 55.4 53.4 80.0

39 72.7 60.3 90.5



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

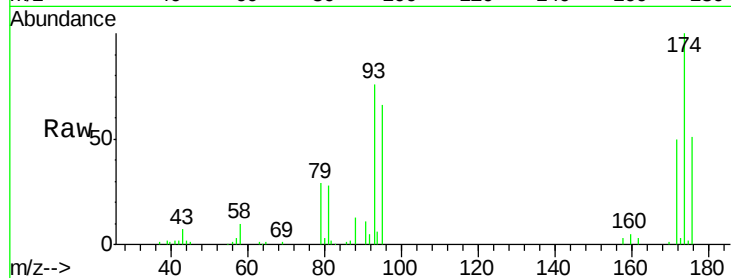




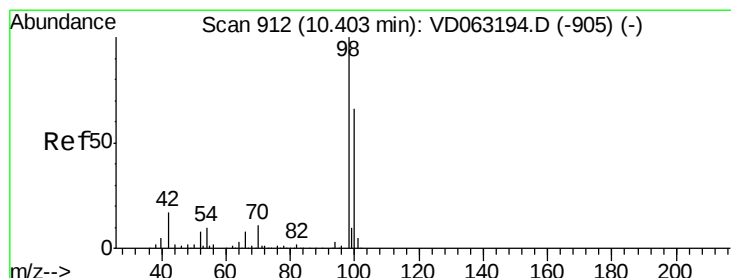
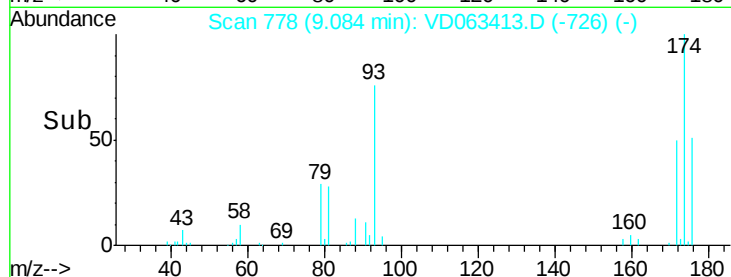
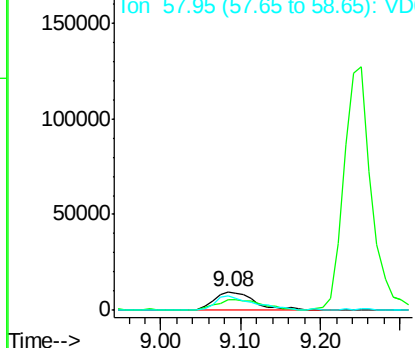
#49
 1,4-Dioxane
 Concen: 904.122 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 34165
 Ion Ratio Lower Upper
 88 100
 43 56.7 30.7 46.1#
 58 76.1 56.5 84.7

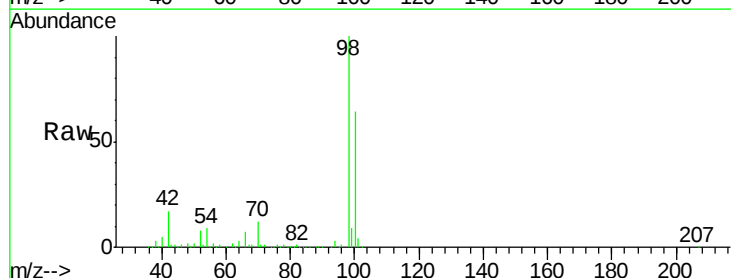


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

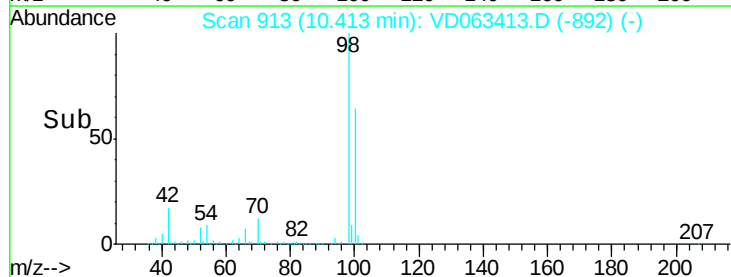
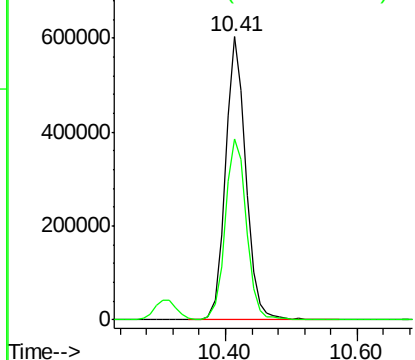


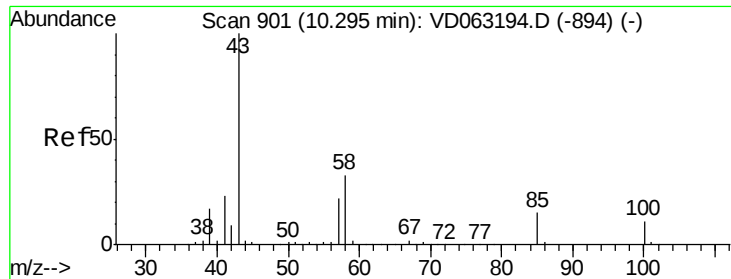
#50
 Toluene-d8
 Concen: 51.938 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion: 98 Resp: 1302710
 Ion Ratio Lower Upper
 98 100
 100 63.8 53.2 79.8



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: 236.329 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

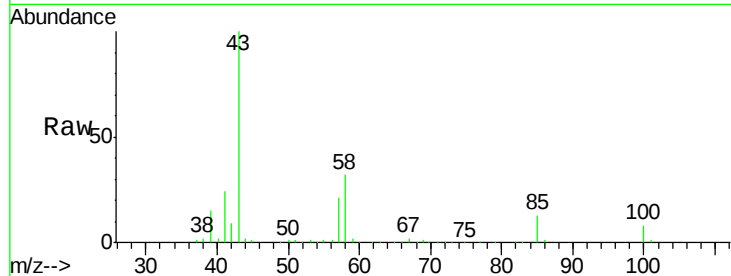
VSTDCCC050EC

Tot Ion: 43 Resp: 1104975

Ion Ratio Lower Upper

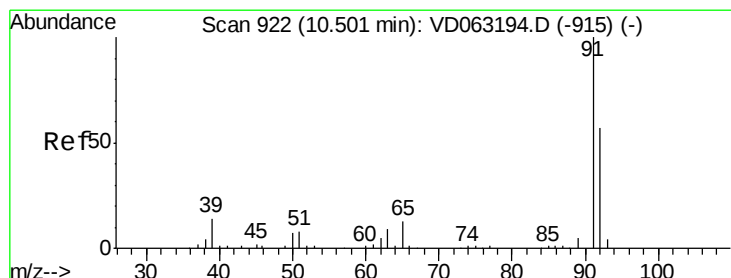
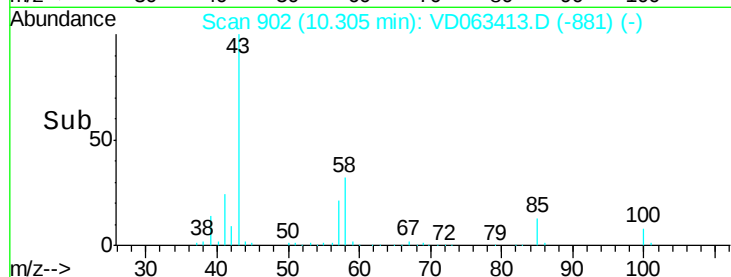
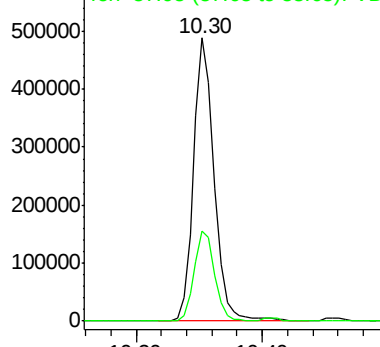
43 100

58 31.8 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.691 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063413.D

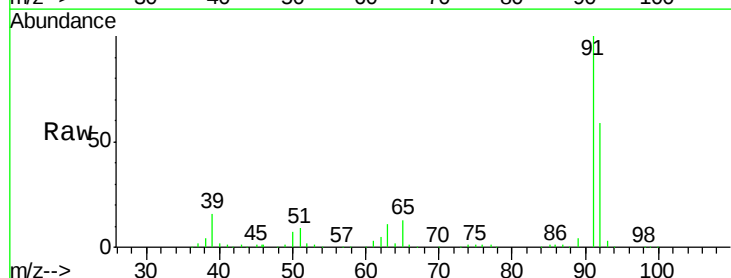
Acq: 6 Aug 2019 21:43

Tgt Ion: 92 Resp: 829797

Ion Ratio Lower Upper

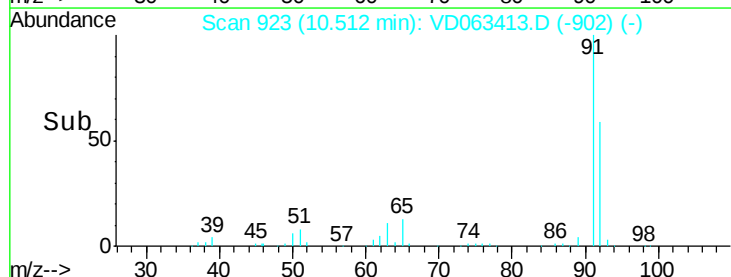
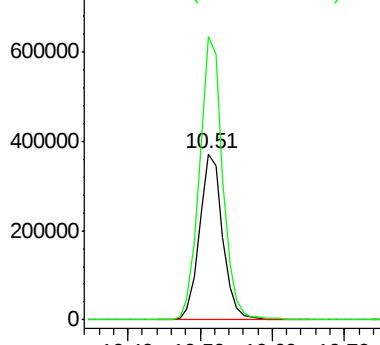
92 100

91 170.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

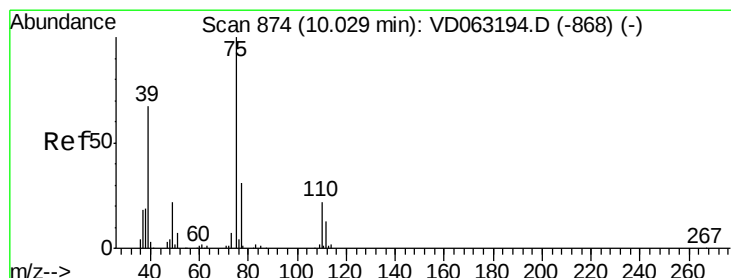
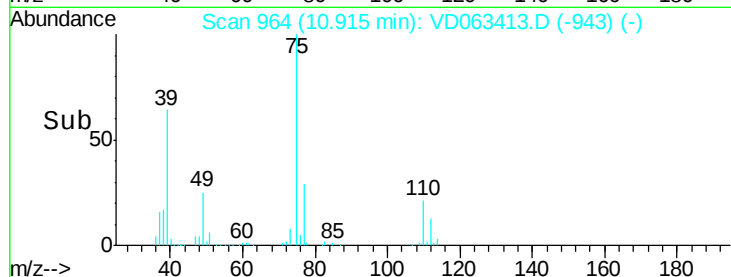
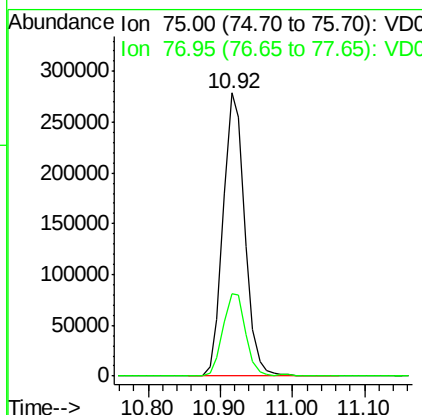
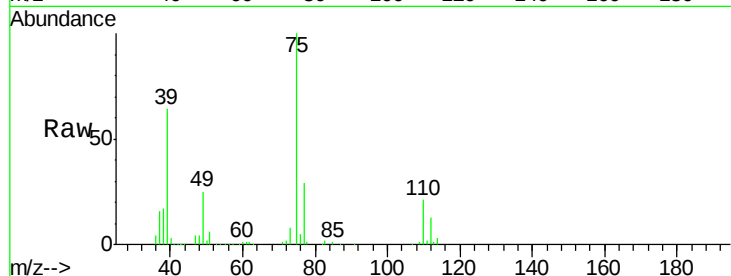




#53
 t-1,3-Dichloropropene
 Concen: 49.882 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

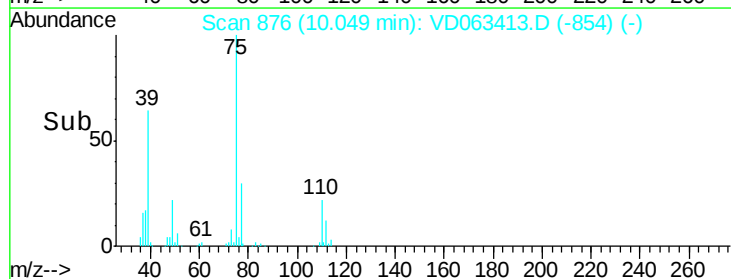
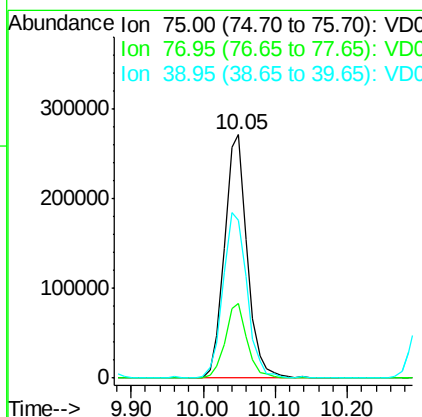
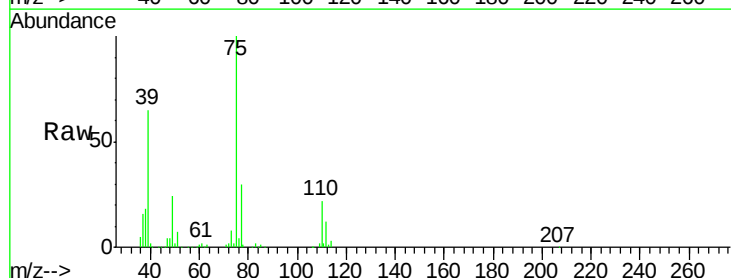
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

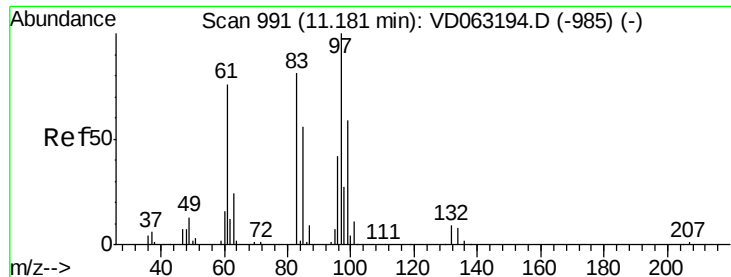
Tot Ion: 75 Resp: 581694
 Ion Ratio Lower Upper
 75 100
 77 29.0 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 48.387 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion: 75 Resp: 593019
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.9 37.3
 39 64.7 53.9 80.9

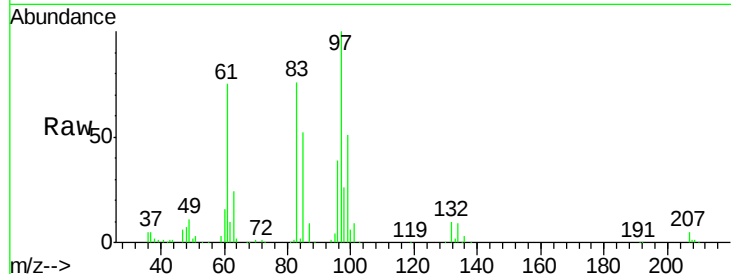




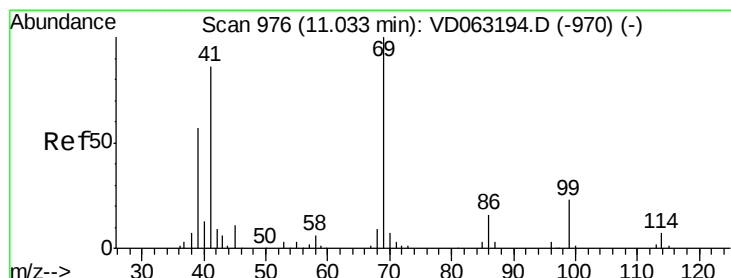
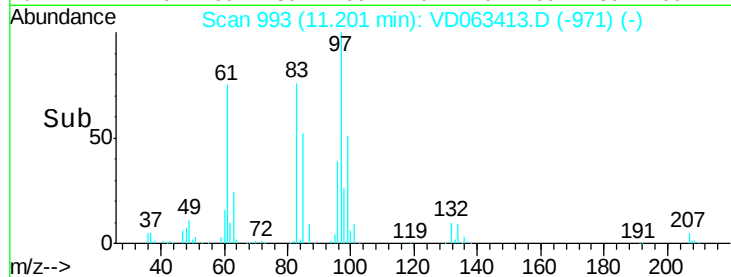
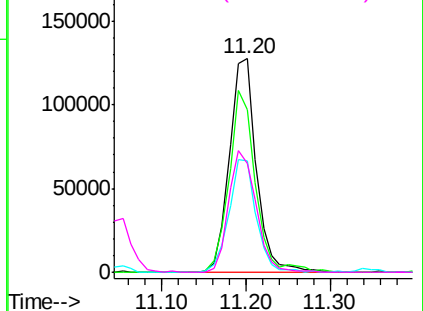
#55
 1,1,2-Trichloroethane
 Concen: 50.281 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	283573
Ion	Ratio	Lower	Upper
97	100		
83	76.1	64.8	97.2
85	52.3	44.9	67.3
99	50.7	47.2	70.8

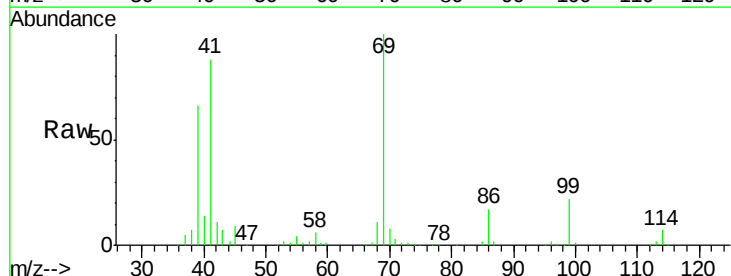


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

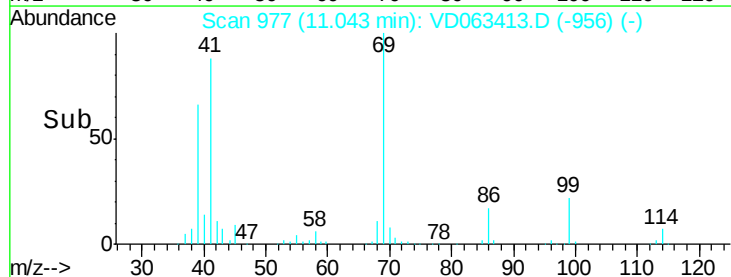
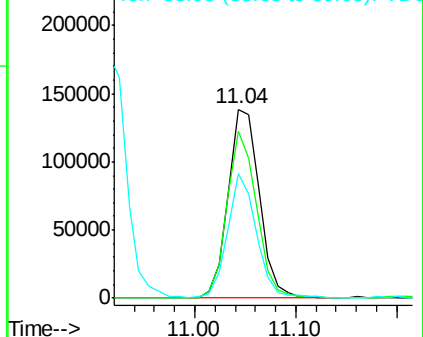


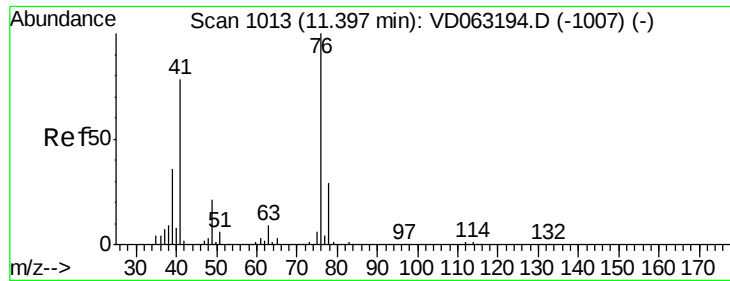
#56
 Ethyl methacrylate
 Concen: 48.406 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion:	69	Resp:	298941
Ion	Ratio	Lower	Upper
69	100		
41	88.5	68.8	103.2
39	65.6	45.8	68.8



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: 48.863 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

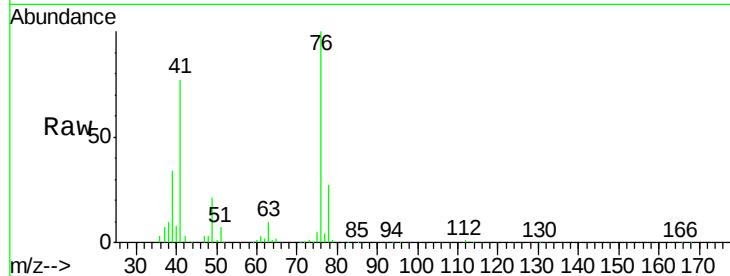
VSTDCCC050EC

Tot Ion: 76 Resp: 434194

Ion Ratio Lower Upper

76 100

78 26.6 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

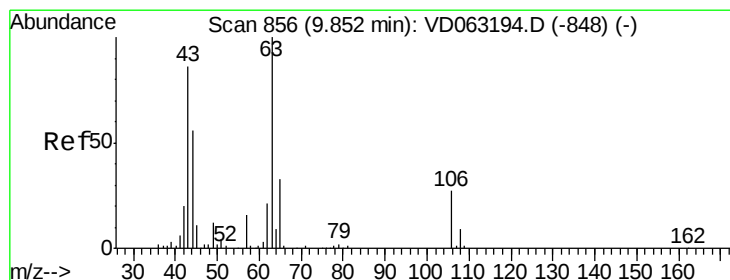
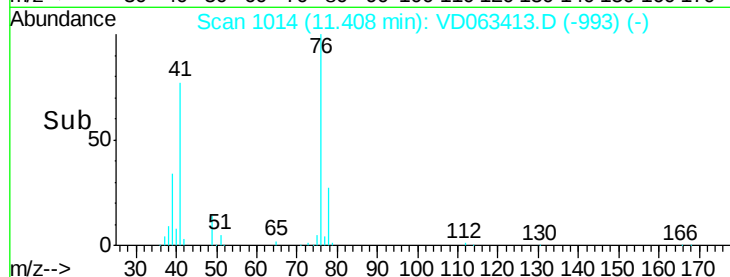
100000

50000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 220.662 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063413.D

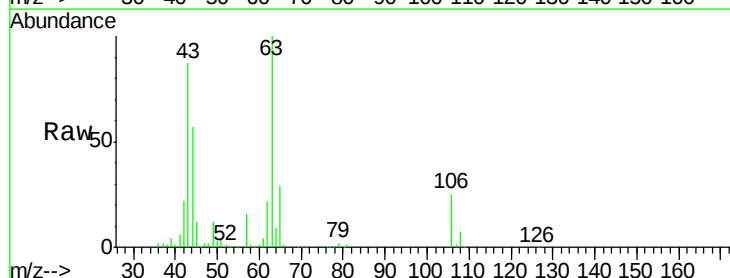
Acq: 6 Aug 2019 21:43

Tgt Ion: 63 Resp: 709098

Ion Ratio Lower Upper

63 100

106 25.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

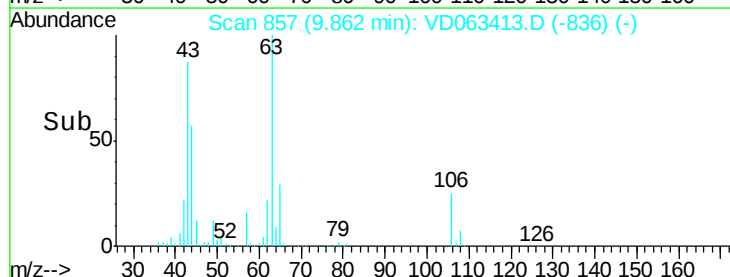
200000

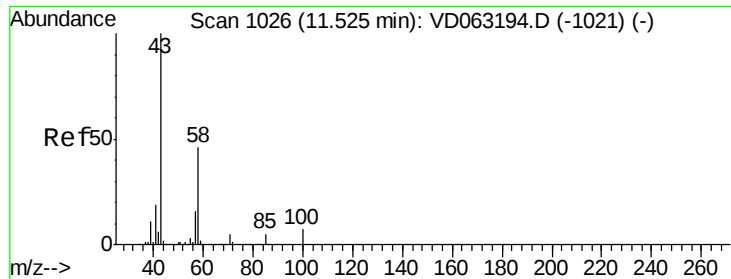
100000

0

9.70 9.80 9.90 10.00

Time-->

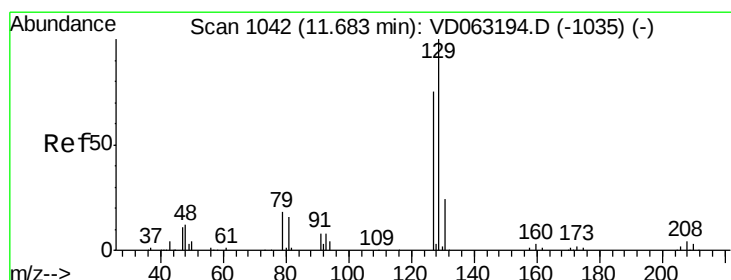
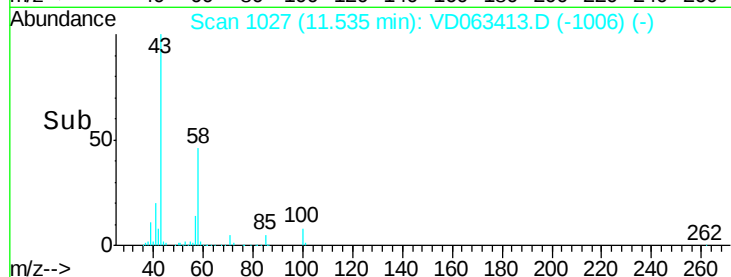
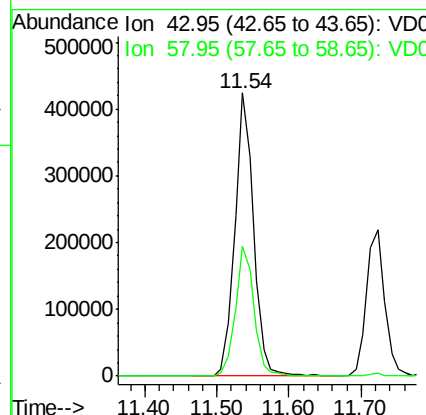
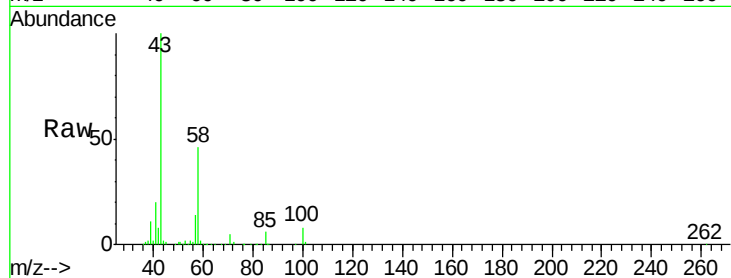




#59
2-Hexanone
Concen: 227.813 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

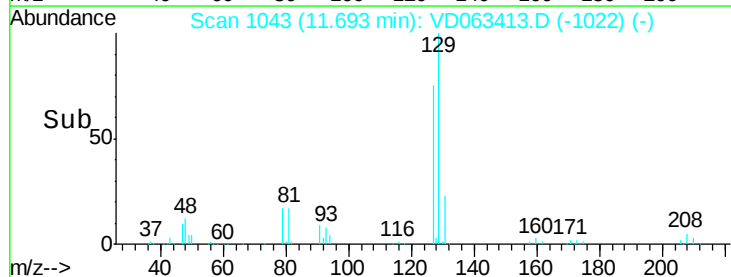
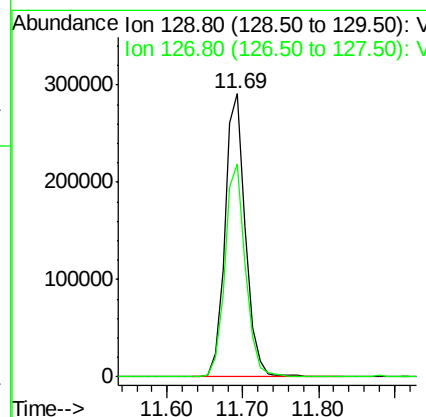
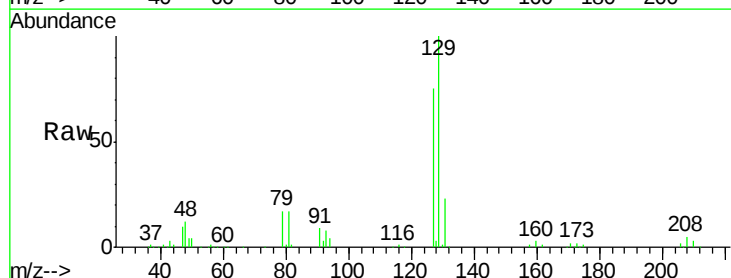
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

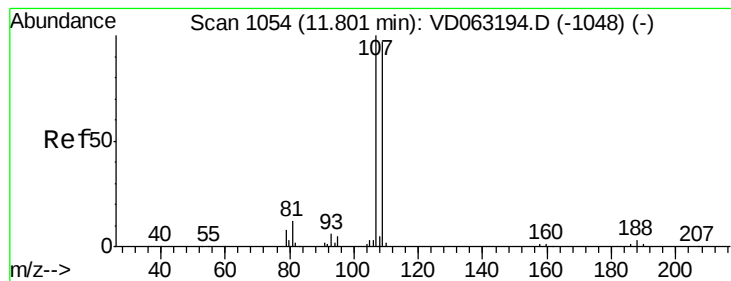
Tot Ion: 43 Resp: 767595
Ion Ratio Lower Upper
43 100
58 46.0 22.9 68.5



#60
Dibromochloromethane
Concen: 51.236 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 129 Resp: 545517
Ion Ratio Lower Upper
129 100
127 75.3 37.6 112.8





#61

1,2-Dibromoethane

Concen: 50.662 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

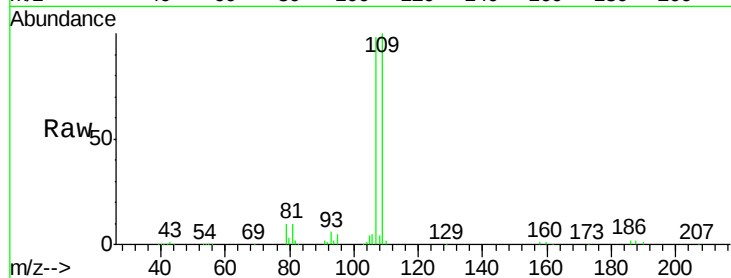
VSTDCCC050EC

Tot Ion:107 Resp: 352566

Ion Ratio Lower Upper

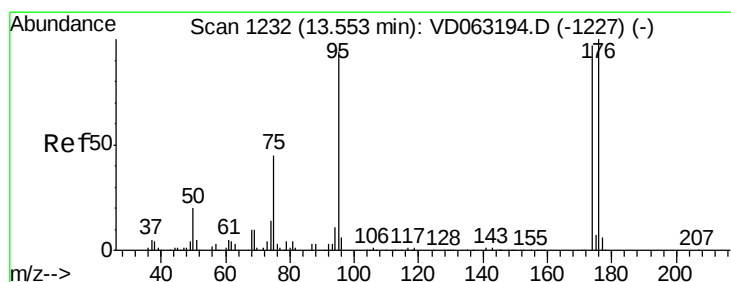
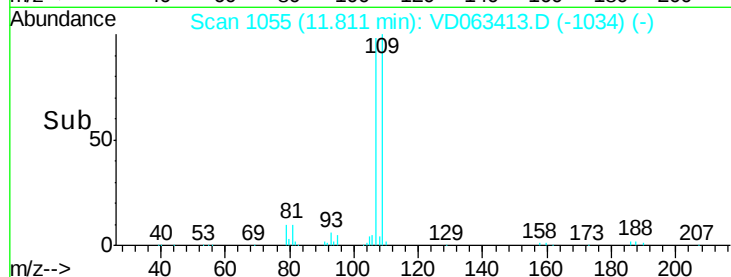
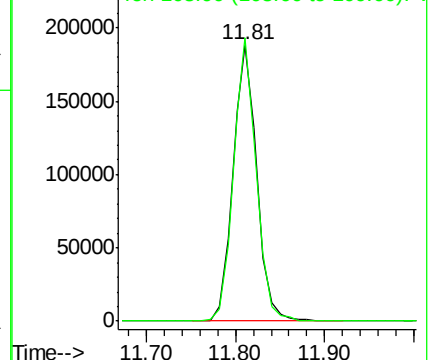
107 100

109 102.5 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.192 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

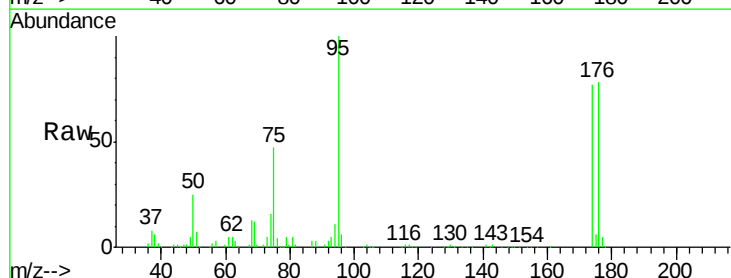
Tgt Ion: 95 Resp: 516532

Ion Ratio Lower Upper

95 100

174 76.7 0.0 205.4

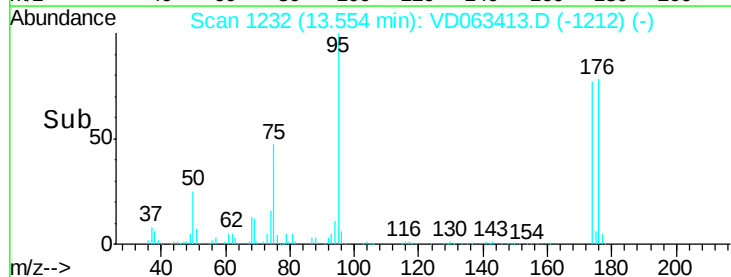
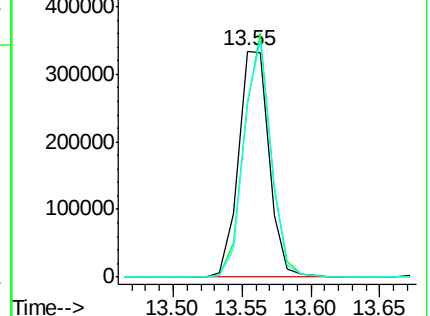
176 77.8 0.0 211.8

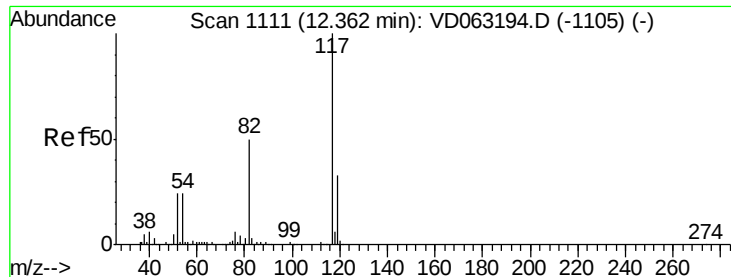


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

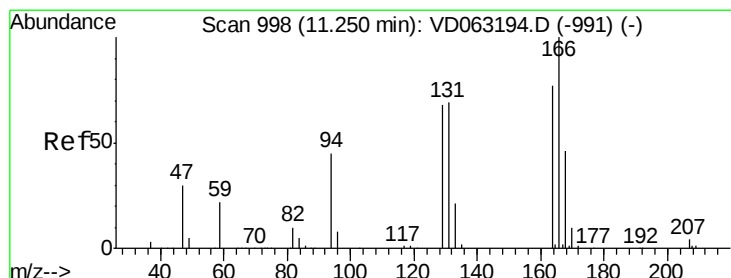
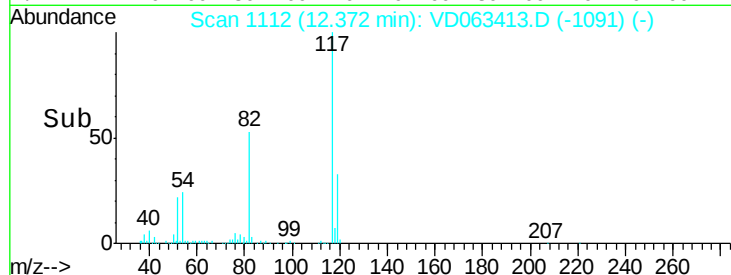
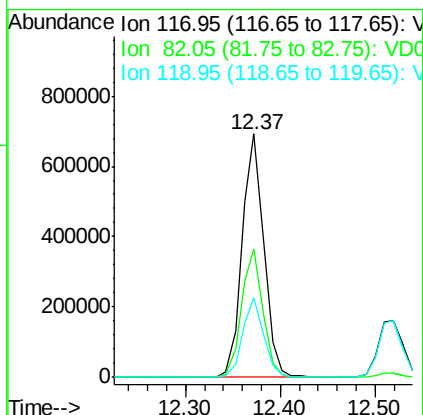
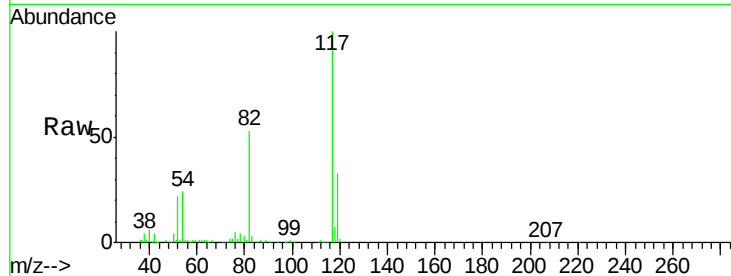




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

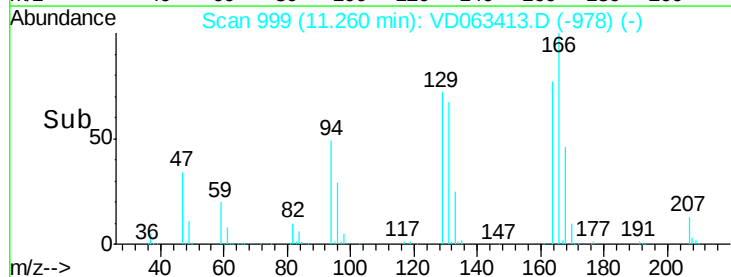
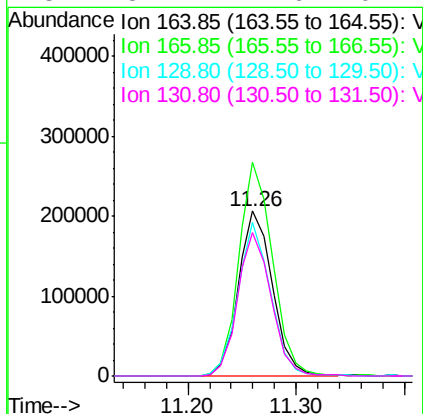
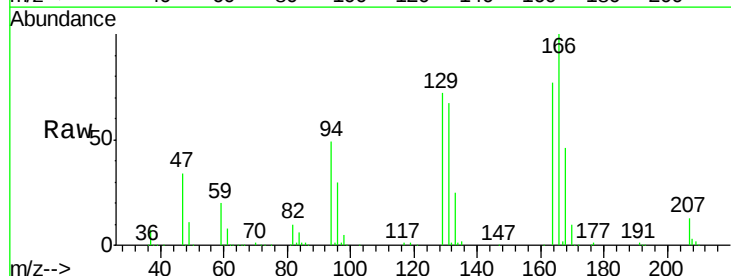
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

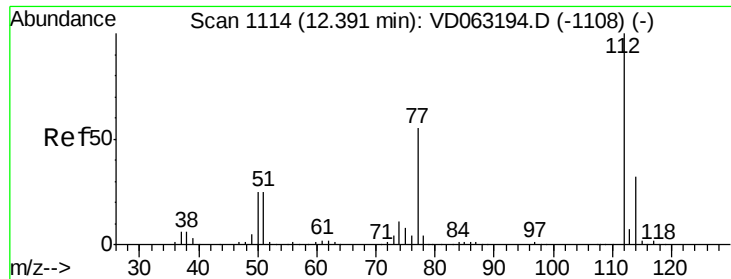
Tot Ion:117 Resp: 1095520
Ion Ratio Lower Upper
117 100
82 52.6 40.1 60.1
119 32.9 26.5 39.7



#64
Tetrachloroethene
Concen: 51.533 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion:164 Resp: 449763
Ion Ratio Lower Upper
164 100
166 129.4 104.3 156.5
129 92.8 70.9 106.3
131 87.2 71.6 107.4

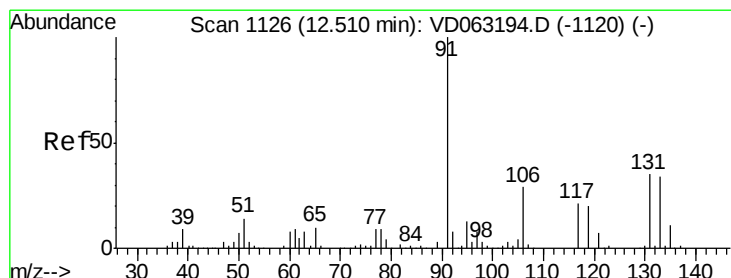
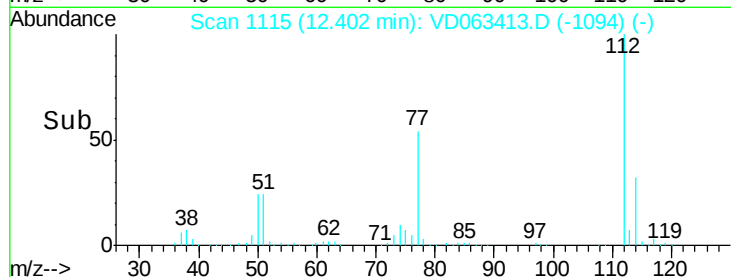
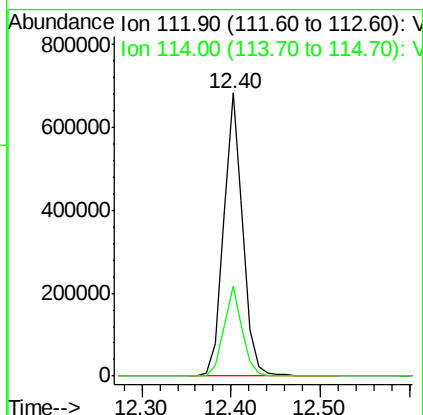
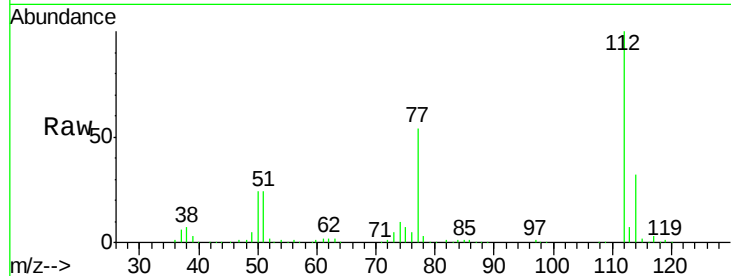




#65
Chlorobenzene
Concen: 49.062 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

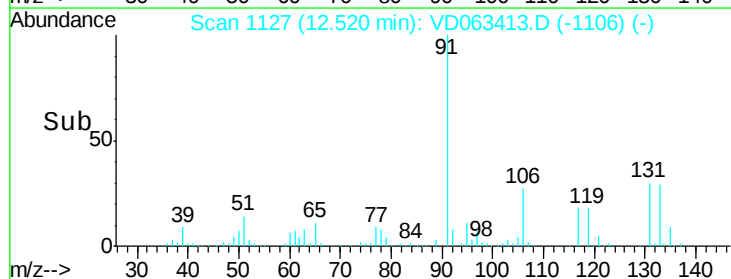
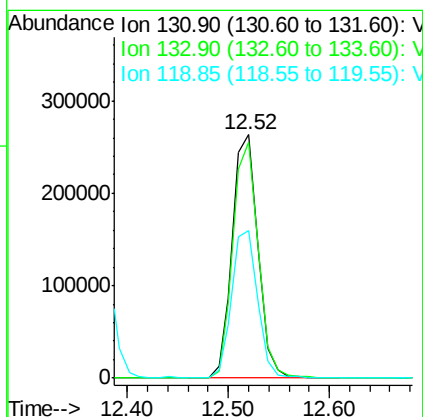
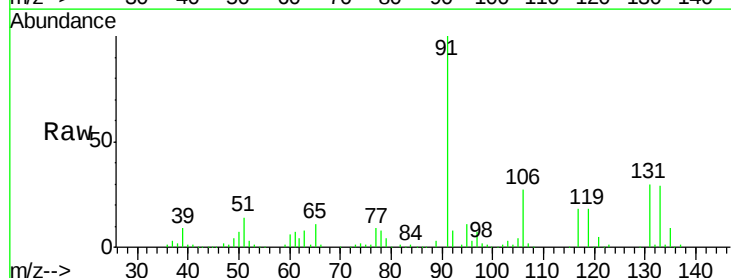
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

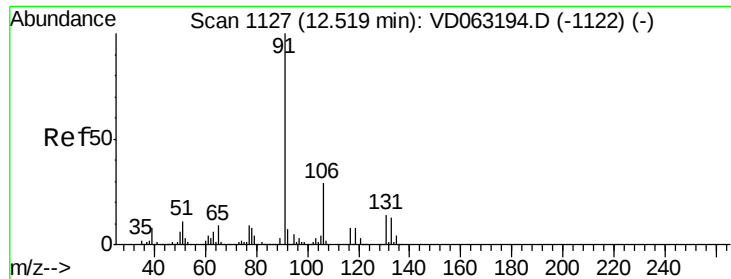
Tot Ion:112 Resp: 1033831
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.036 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion:131 Resp: 464432
Ion Ratio Lower Upper
131 100
133 96.8 48.4 145.2
119 60.6 29.1 87.3

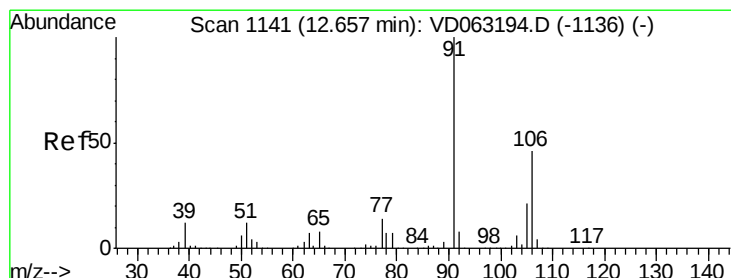
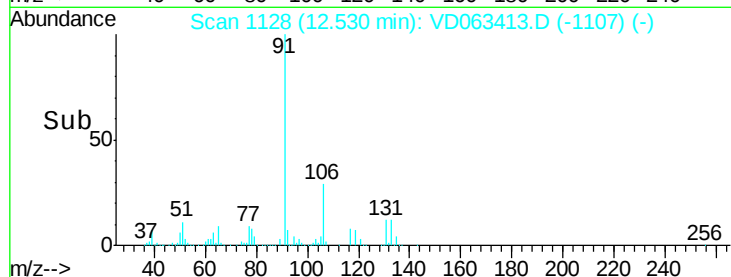
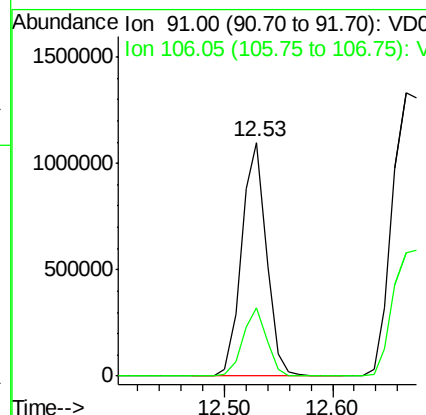
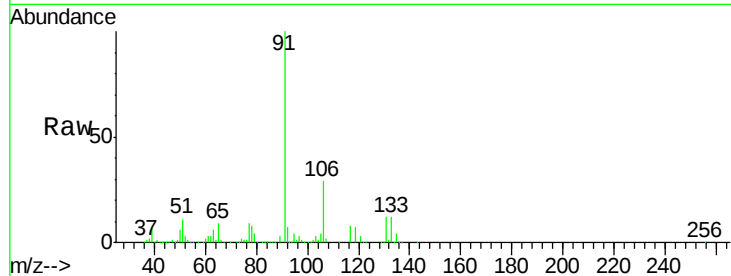




#67
Ethyl Benzene
Concen: 48.856 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

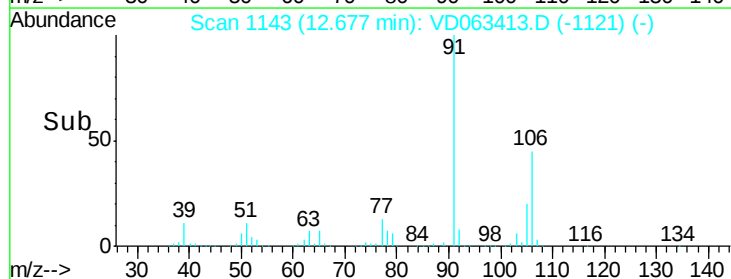
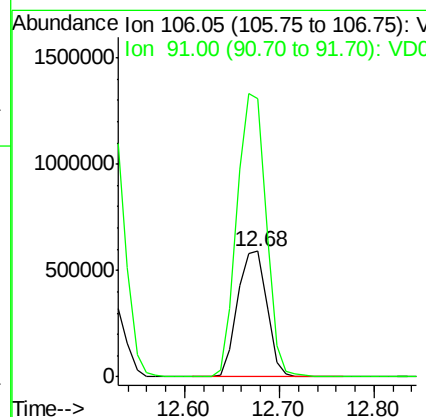
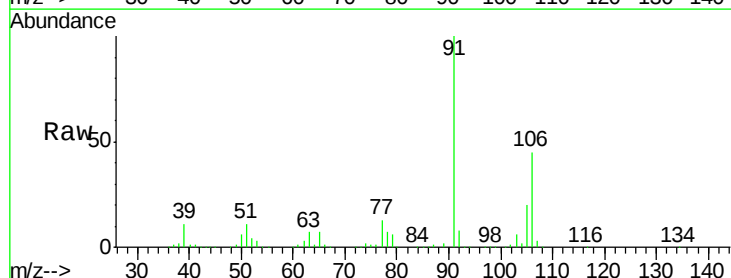
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

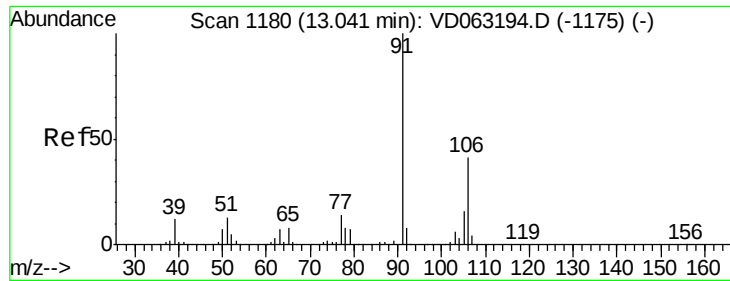
Tot Ion: 91 Resp: 1748846
Ion Ratio Lower Upper
91 100
106 29.2 22.9 34.3



#68
m/p-Xylenes
Concen: 97.047 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 106 Resp: 1273992
Ion Ratio Lower Upper
106 100
91 220.8 172.6 259.0

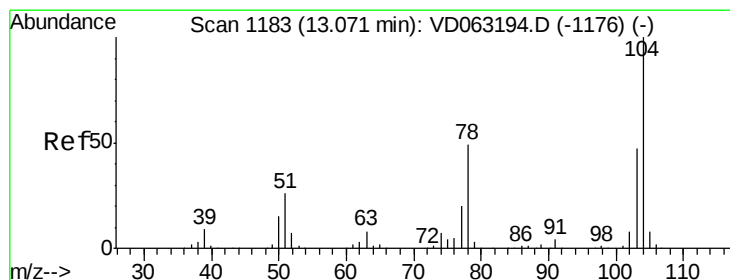
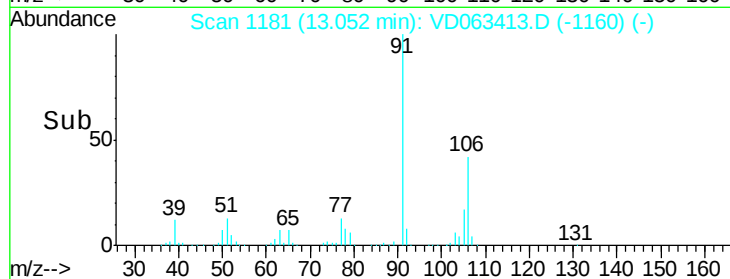
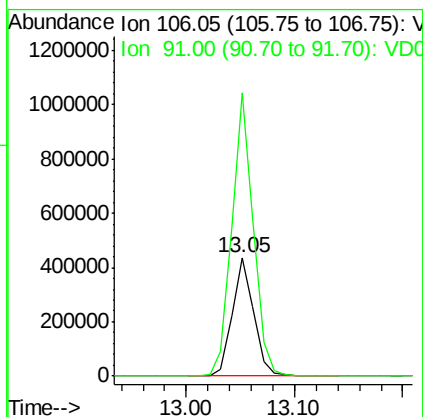
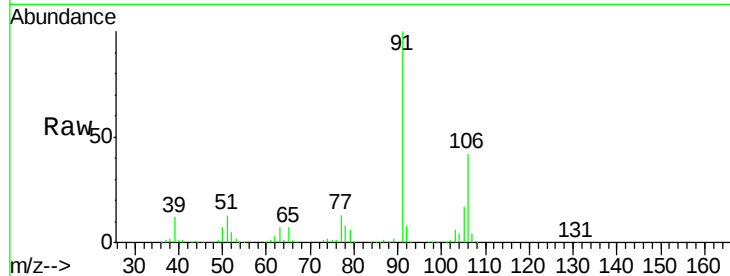




#69
o-Xylene
Concen: 50.364 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

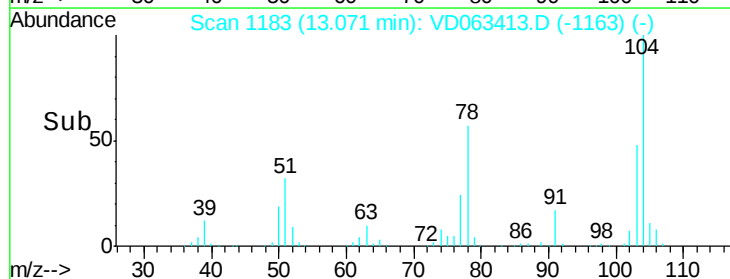
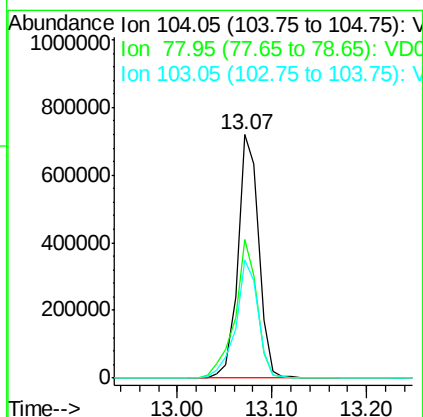
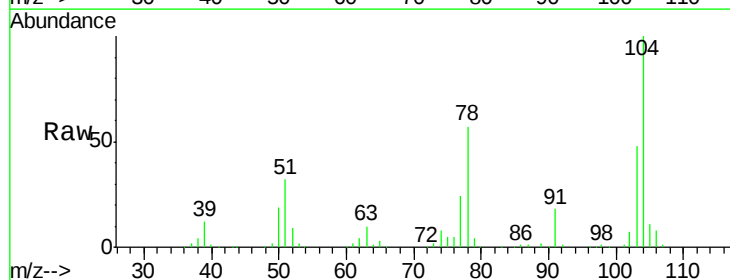
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

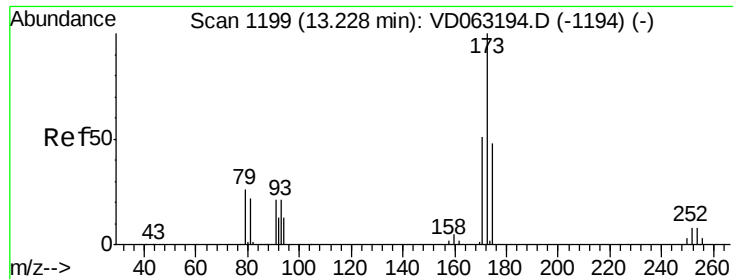
Tot Ion:106 Resp: 607139
Ion Ratio Lower Upper
106 100
91 238.4 121.3 363.9



#70
Styrene
Concen: 51.074 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion:104 Resp: 1091903
Ion Ratio Lower Upper
104 100
78 56.8 39.4 59.0
103 48.4 37.4 56.2

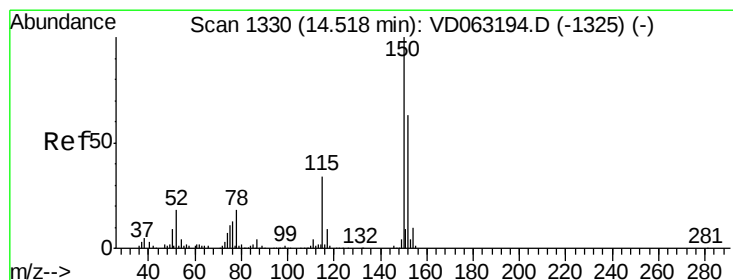
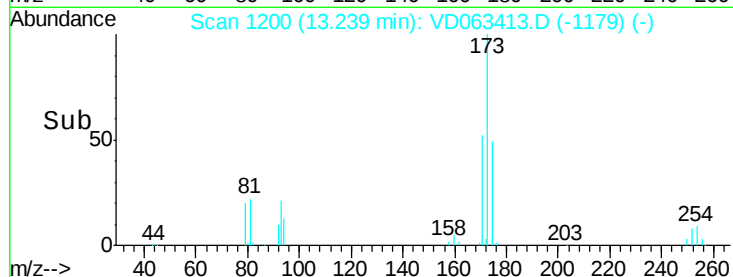
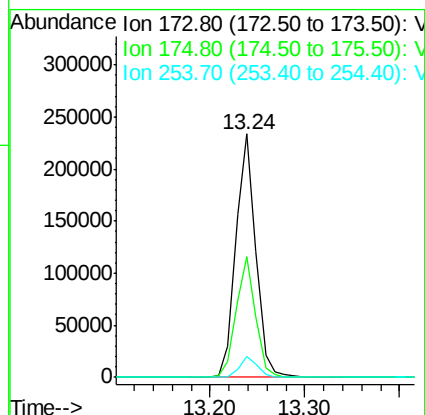
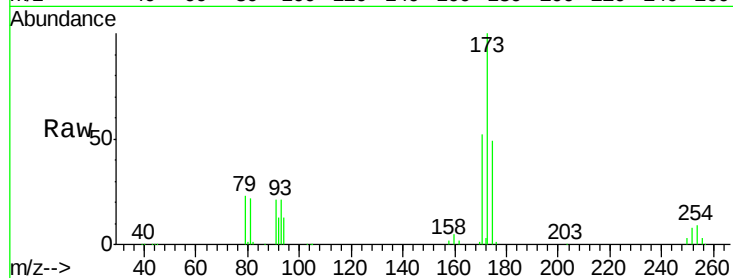




#71
Bromoform
Concen: 50.297 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

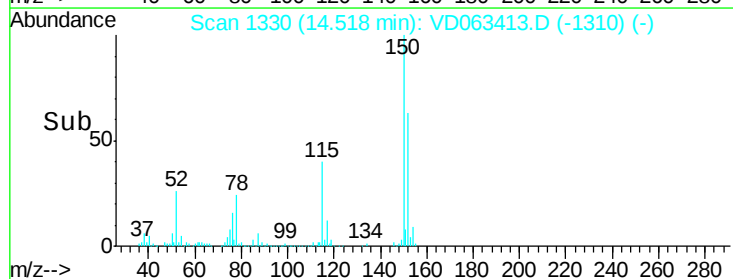
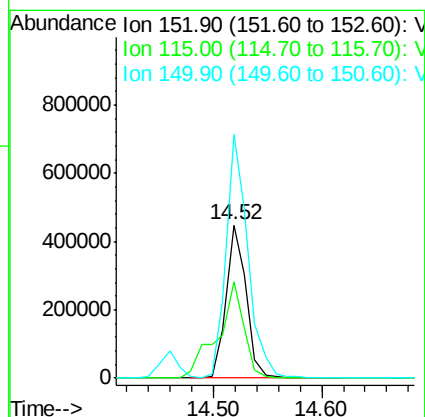
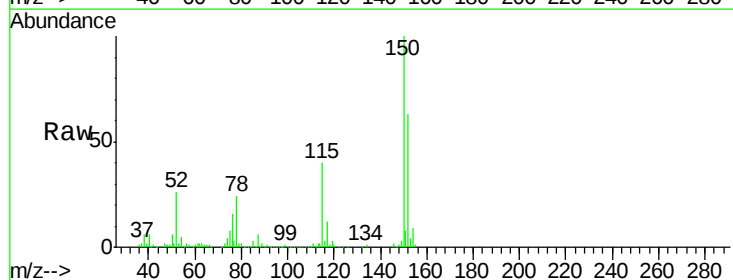
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

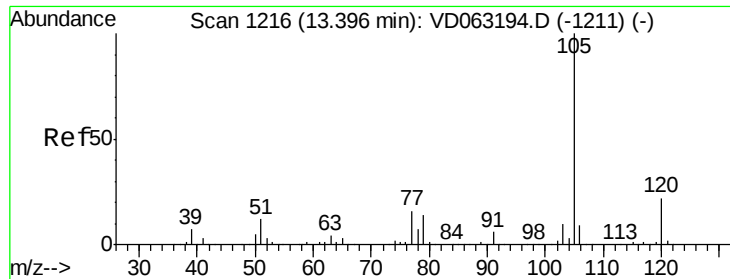
Tot Ion:173 Resp: 339501
Ion Ratio Lower Upper
173 100
175 49.3 23.8 71.5
254 8.7 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion:152 Resp: 570894
Ion Ratio Lower Upper
152 100
115 62.9 27.5 82.4
150 158.9 0.0 320.6

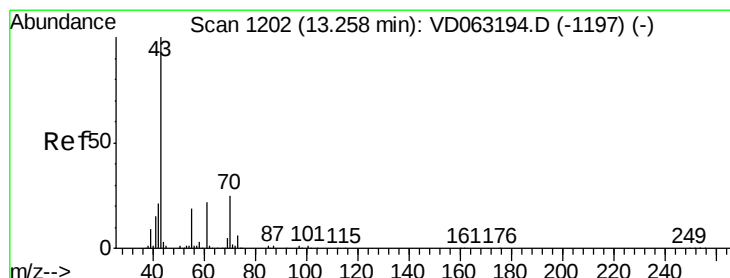
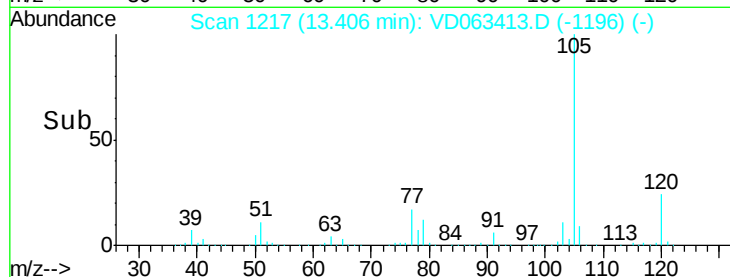
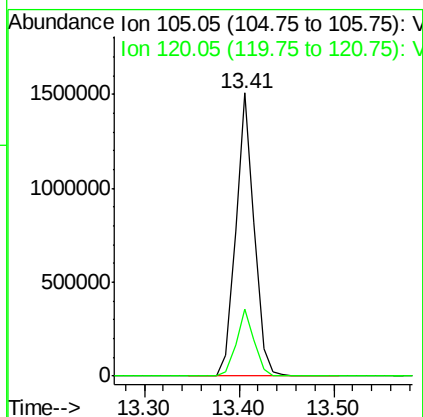
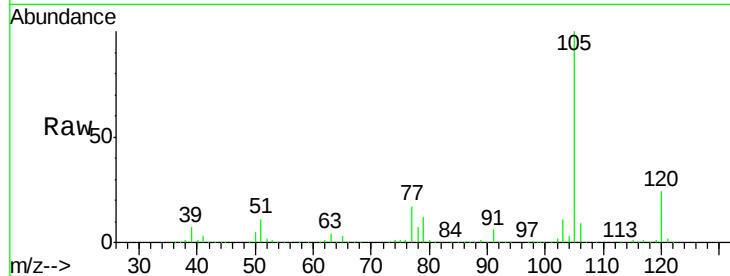




#73
Isopropylbenzene
Concen: 56.020 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

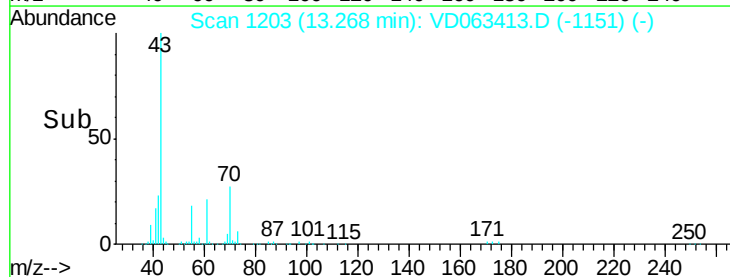
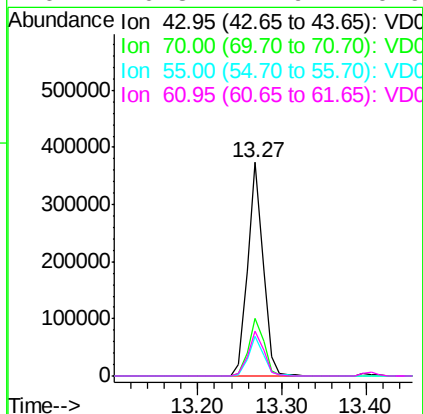
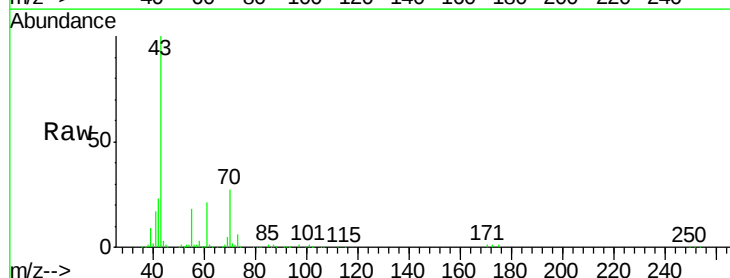
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

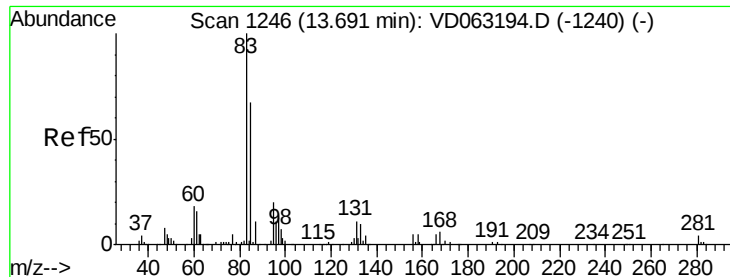
Tot Ion:105 Resp: 2007265
Ion Ratio Lower Upper
105 100
120 23.7 11.1 33.3



#74
N-ethyl acetate
Concen: 50.324 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 43 Resp: 476684
Ion Ratio Lower Upper
43 100
70 26.8 20.2 30.4
55 18.4 14.9 22.3
61 20.8 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.842 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

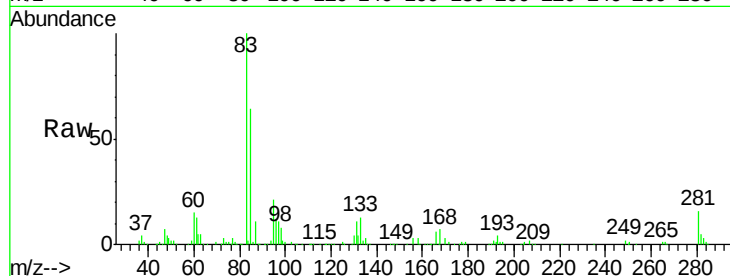
Tot Ion: 83 Resp: 333793

Ion Ratio Lower Upper

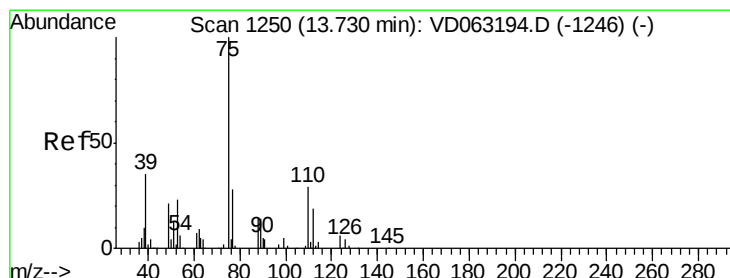
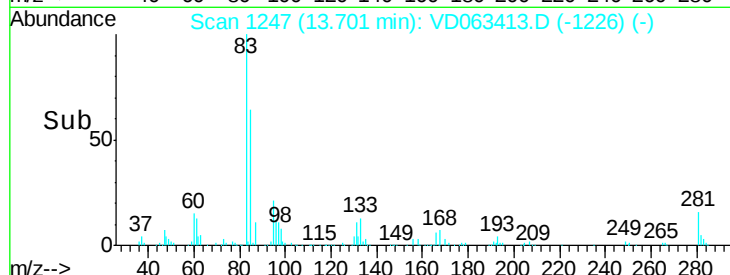
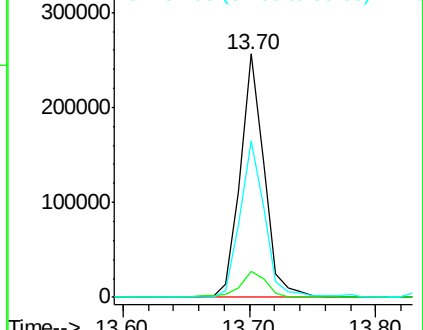
83 100

131 10.8 5.5 16.7

85 64.2 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.007 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063413.D

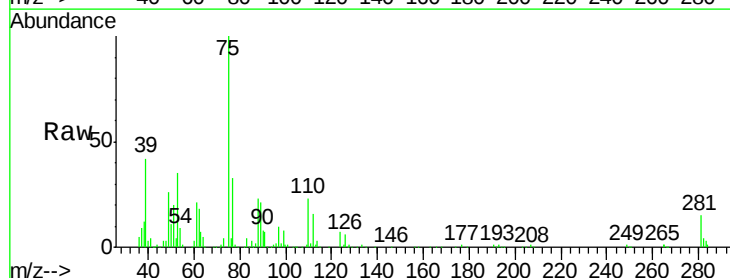
Acq: 6 Aug 2019 21:43

Tgt Ion: 75 Resp: 356618

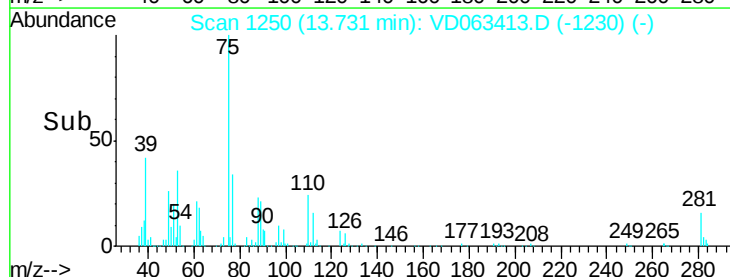
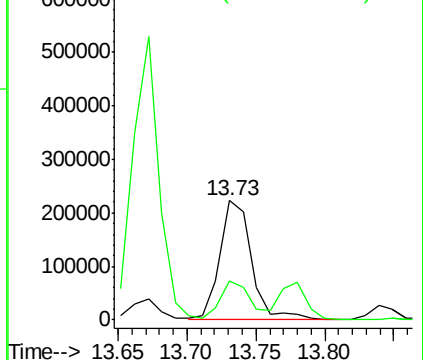
Ion Ratio Lower Upper

75 100

77 33.1 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.856 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

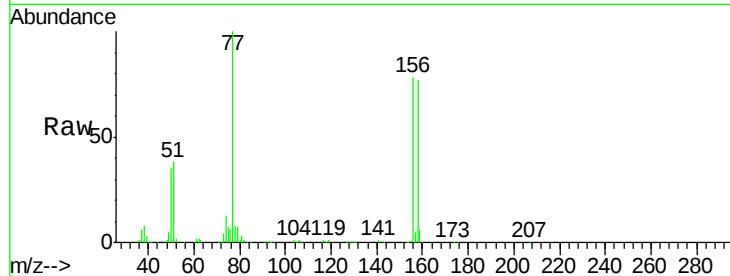
Tot Ion:156 Resp: 539506

Ion Ratio Lower Upper

156 100

77 127.8 67.6 202.8

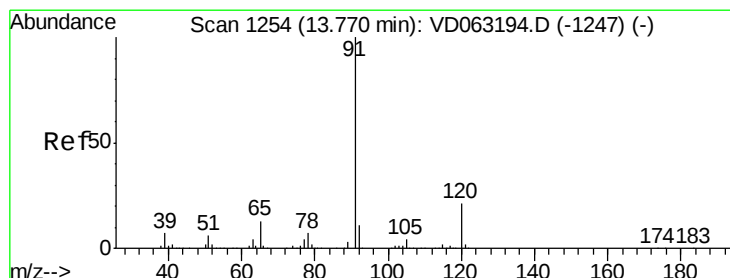
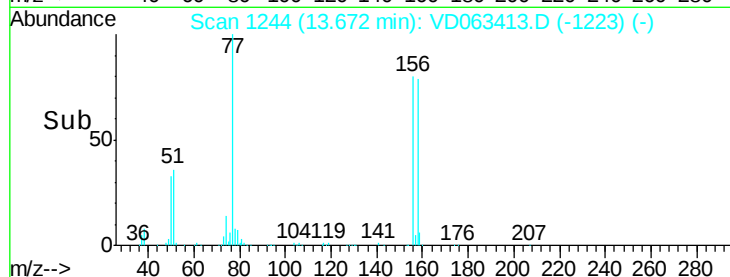
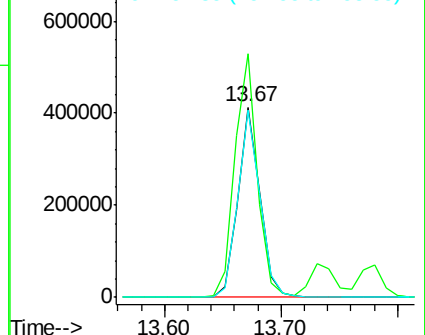
158 98.4 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.515 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063413.D

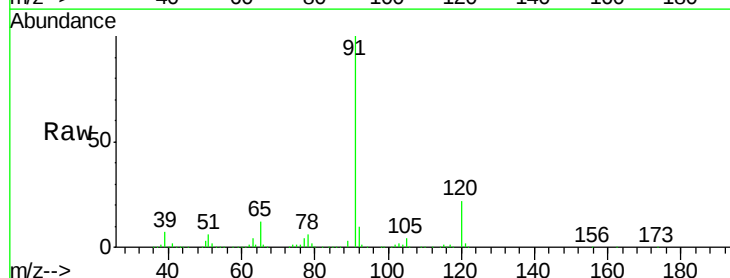
Acq: 6 Aug 2019 21:43

Tgt Ion: 91 Resp: 2324515

Ion Ratio Lower Upper

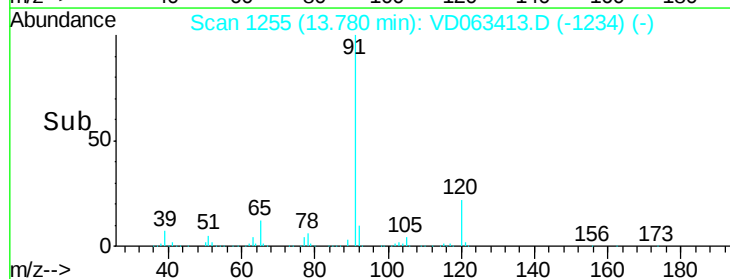
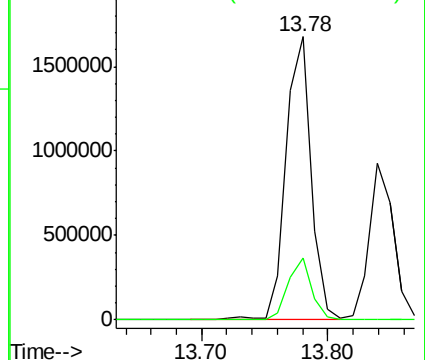
91 100

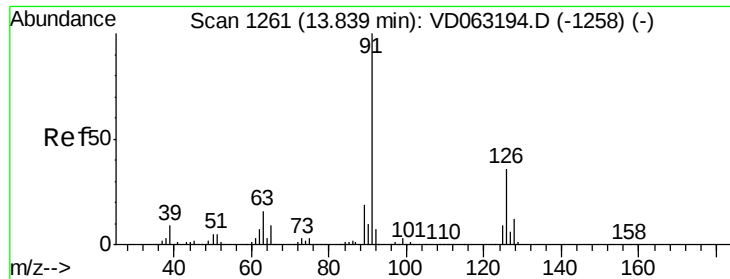
120 21.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

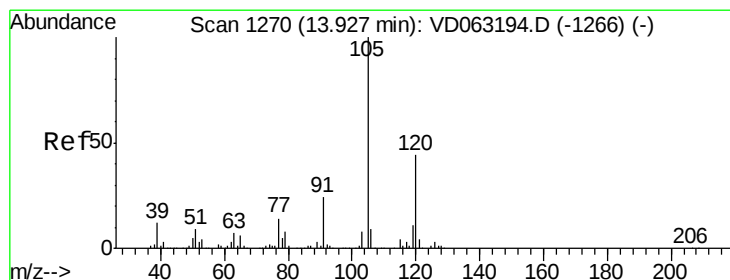
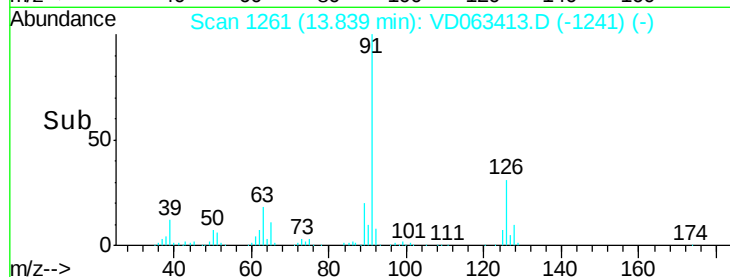
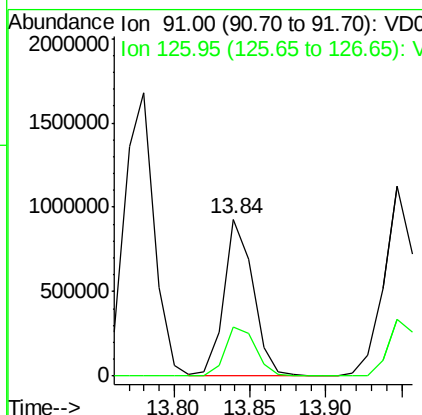
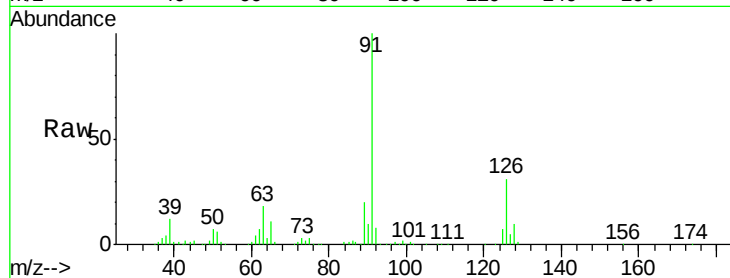




#79
2-Chlorotoluene
Concen: 50.364 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

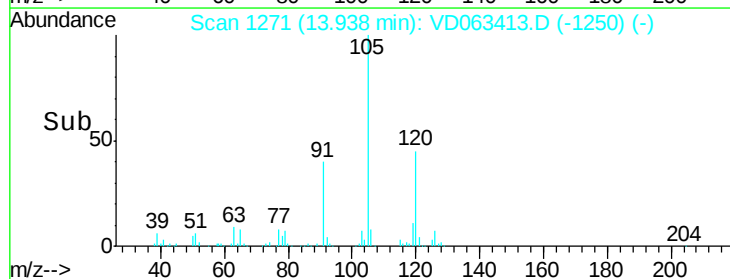
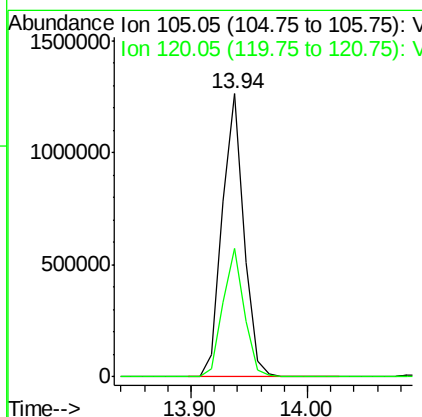
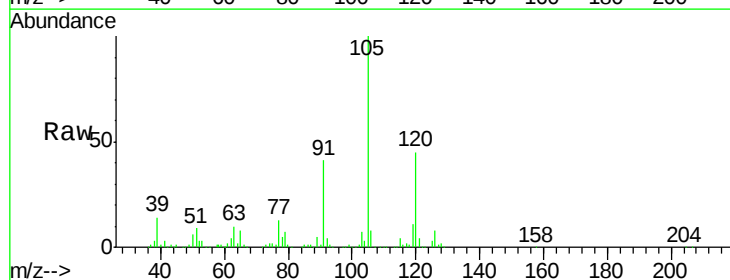
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

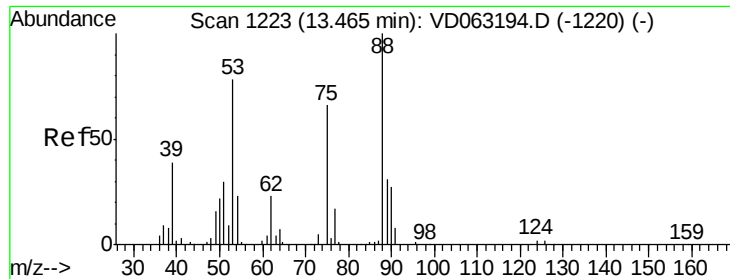
Tot Ion: 91 Resp: 1244338
Ion Ratio Lower Upper
91 100
126 31.1 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 52.700 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 105 Resp: 1628643
Ion Ratio Lower Upper
105 100
120 45.4 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 43.996 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

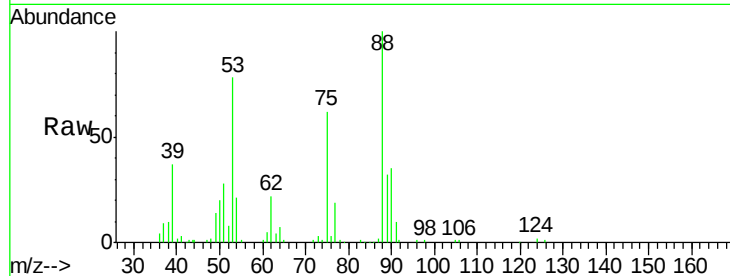
Tot Ion: 75 Resp: 83772

Ion Ratio Lower Upper

75 100

53 126.5 94.9 142.3

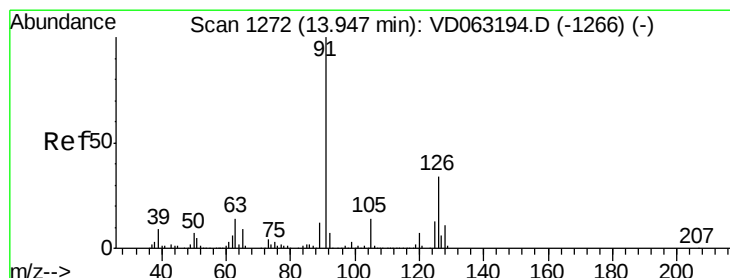
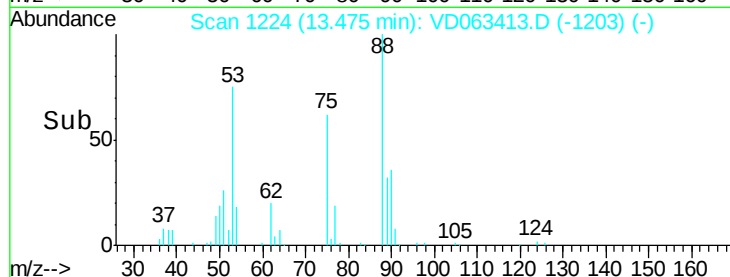
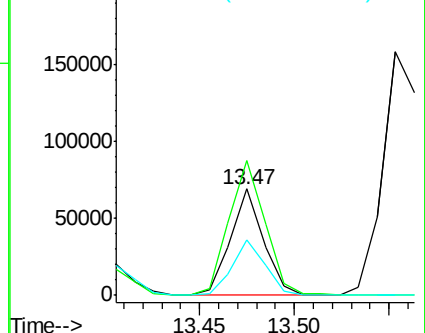
89 52.4 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 53.823 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063413.D

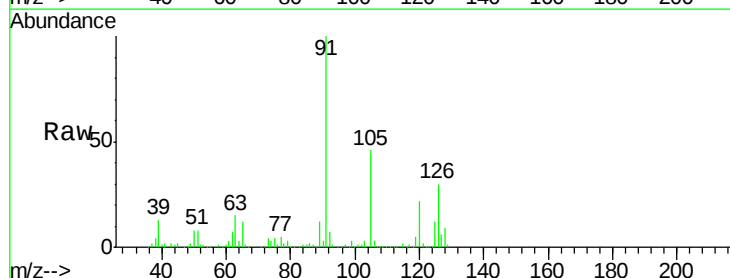
Acq: 6 Aug 2019 21:43

Tgt Ion: 91 Resp: 1564983

Ion Ratio Lower Upper

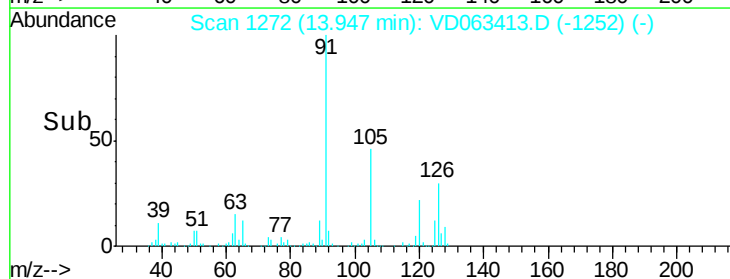
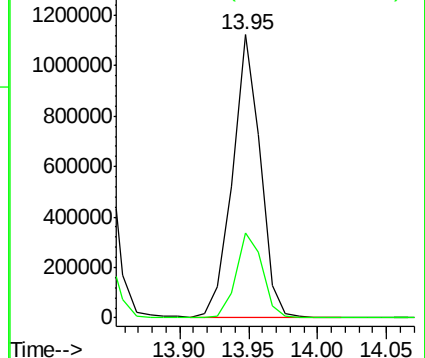
91 100

126 30.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 52.571 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

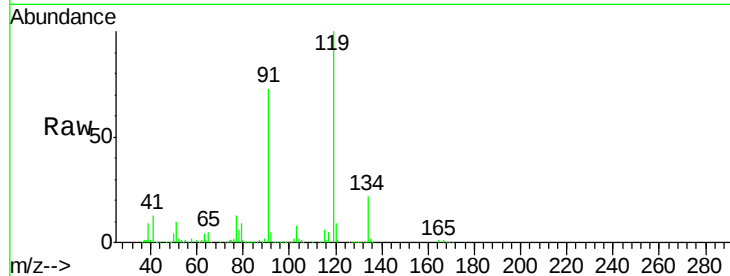
Tot Ion:119 Resp: 1855071

Ion Ratio Lower Upper

119 100

91 72.9 39.1 117.5

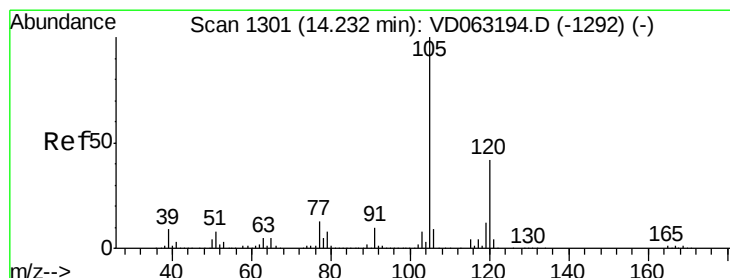
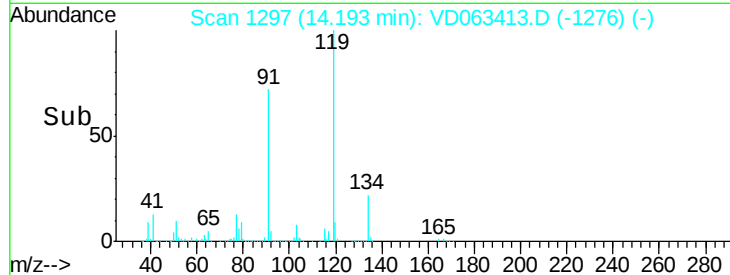
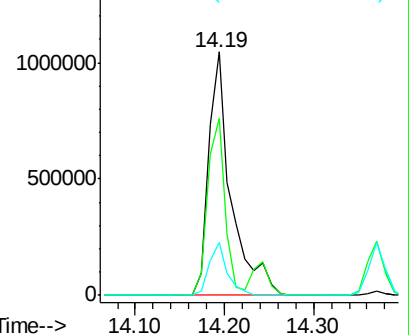
134 22.0 10.9 32.6



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: 52.120 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063413.D

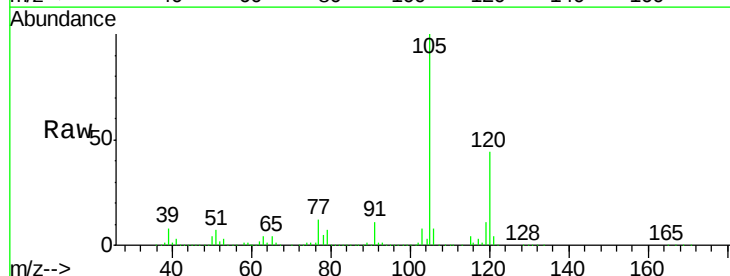
Acq: 6 Aug 2019 21:43

Tgt Ion:105 Resp: 1666037

Ion Ratio Lower Upper

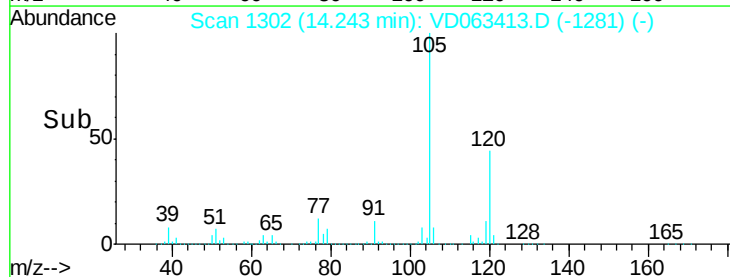
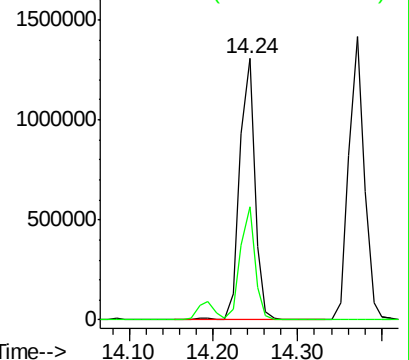
105 100

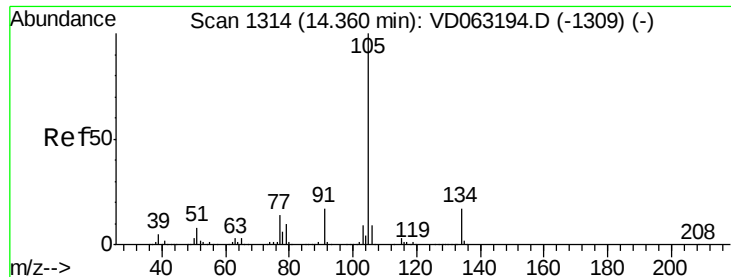
120 43.5 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 48.791 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

Instrument :

MSVOA_D

ClientSampleId :

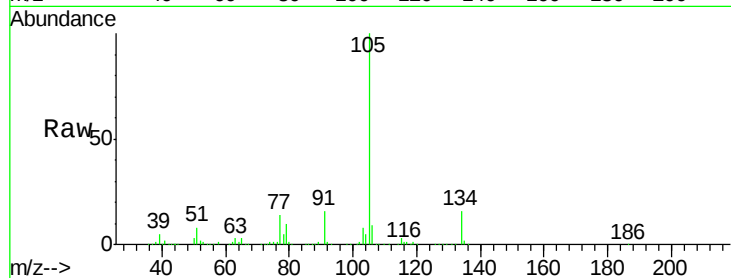
VSTDCCC050EC

Tot Ion:105 Resp: 1813920

Ion Ratio Lower Upper

105 100

134 16.2 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

1500000

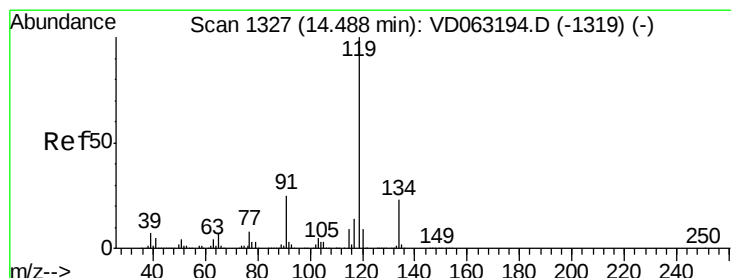
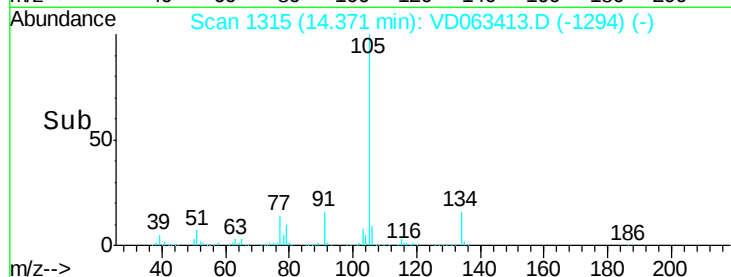
1000000

500000

0

14.30 14.35 14.40 14.45

Time-->



#86

p-Isopropyltoluene

Concen: 48.584 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063413.D

Acq: 6 Aug 2019 21:43

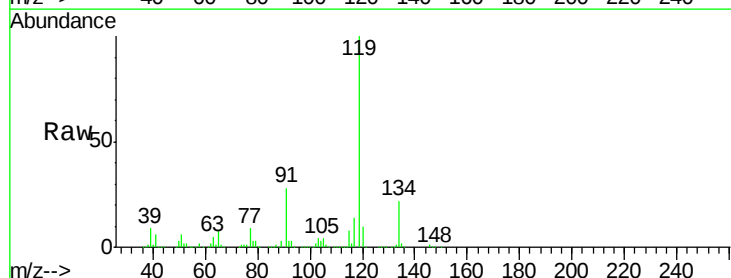
Tgt Ion:119 Resp: 1723960

Ion Ratio Lower Upper

119 100

134 22.2 11.5 34.5

91 27.6 12.6 37.6



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

14.49

1500000

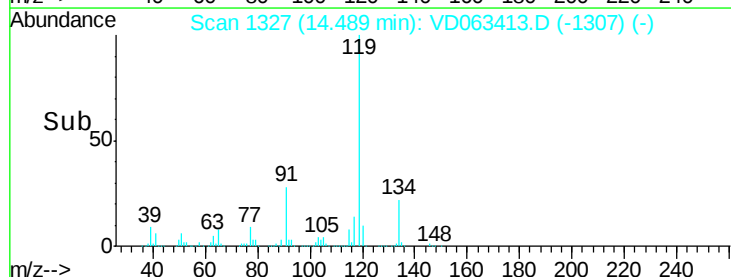
1000000

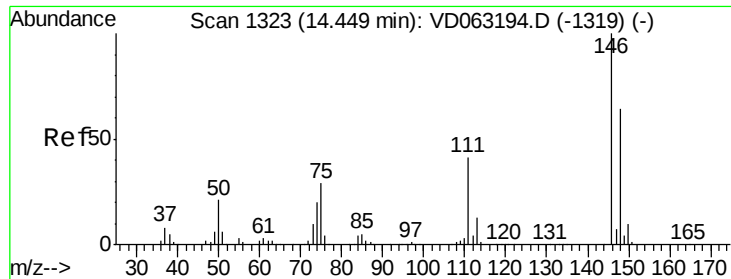
500000

0

14.40 14.50 14.60

Time-->

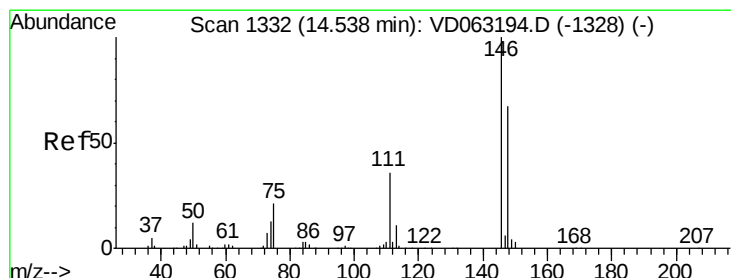
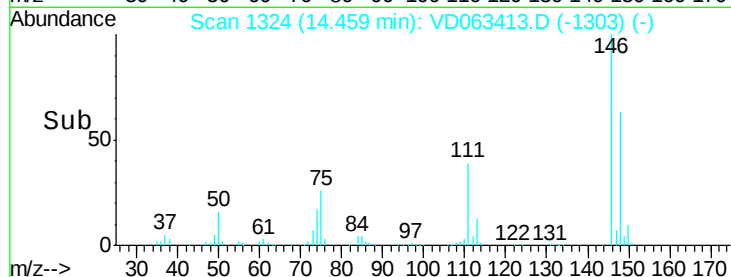
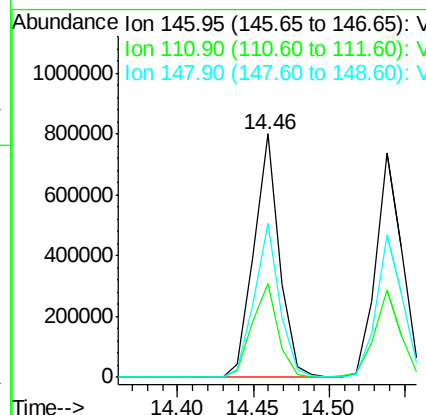
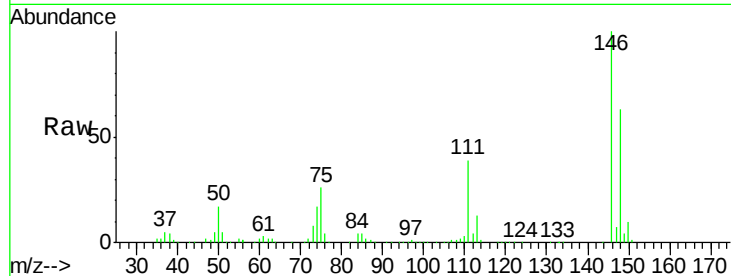




#87
 1,3-Dichlorobenzene
 Concen: 52.157 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

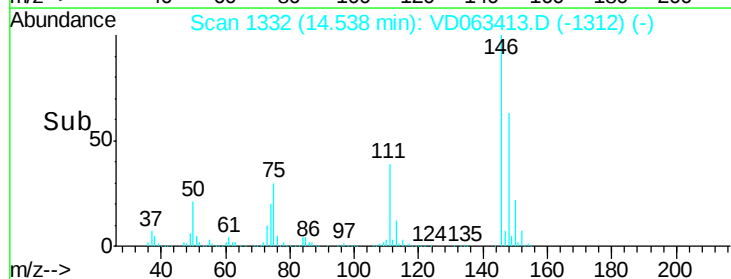
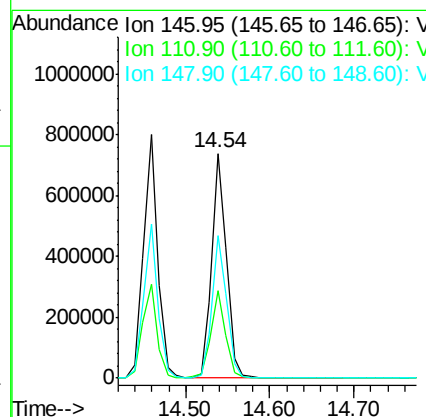
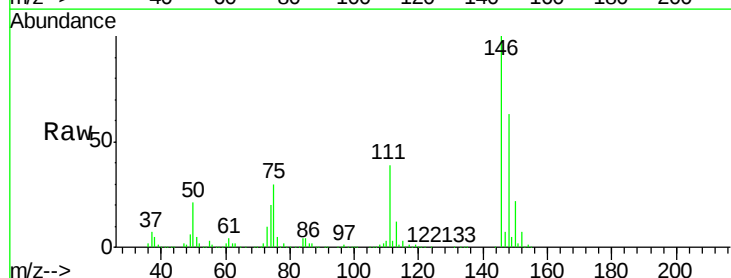
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

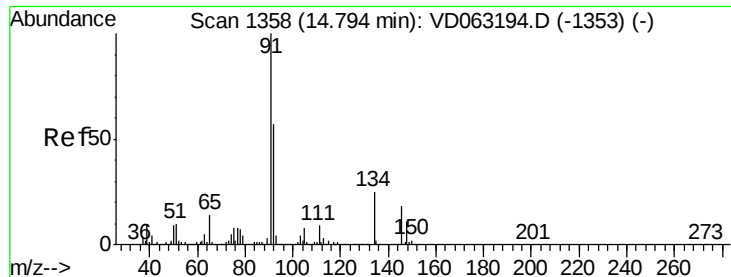
Tot Ion:146 Resp: 942791
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.4 61.3
 148 63.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.374 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion:146 Resp: 902495
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.1 54.3
 148 63.5 33.4 100.1

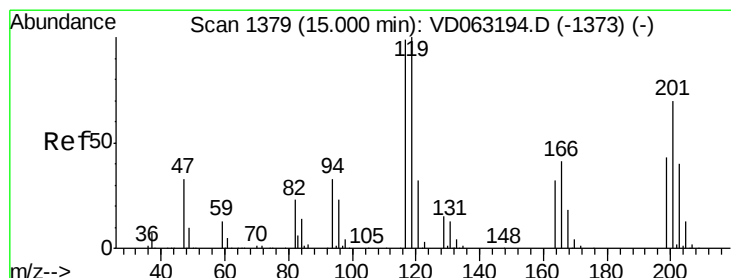
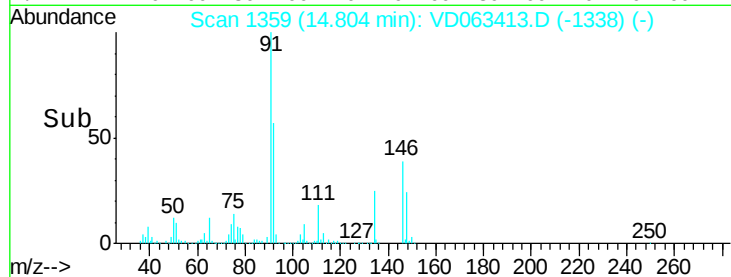
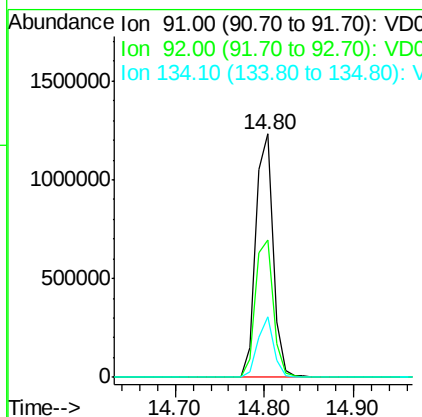
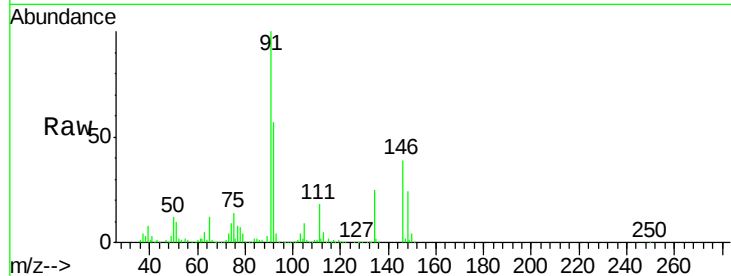




#89
n-Butylbenzene
Concen: 53.784 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

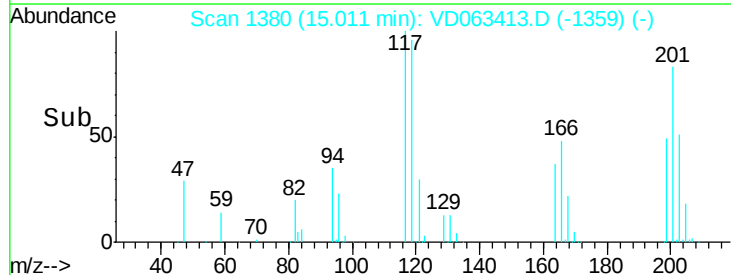
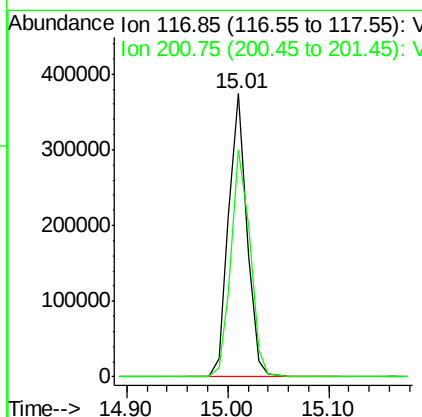
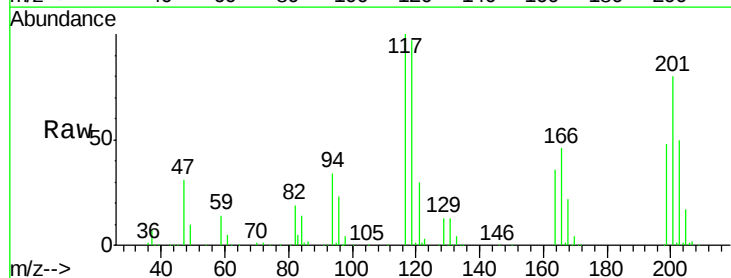
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

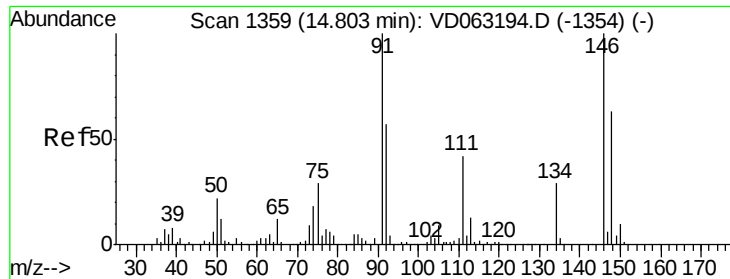
Tot Ion: 91 Resp: 1648330
Ion Ratio Lower Upper
91 100
92 56.5 28.3 85.0
134 24.7 12.3 36.8



#90
Hexachloroethane
Concen: 51.034 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion: 117 Resp: 471797
Ion Ratio Lower Upper
117 100
201 80.1 35.2 105.6

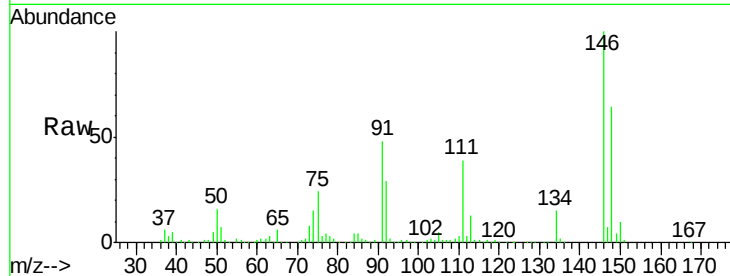




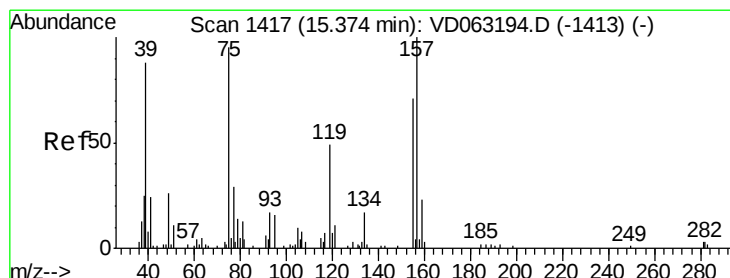
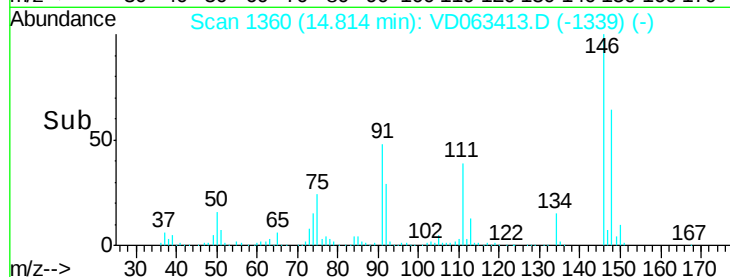
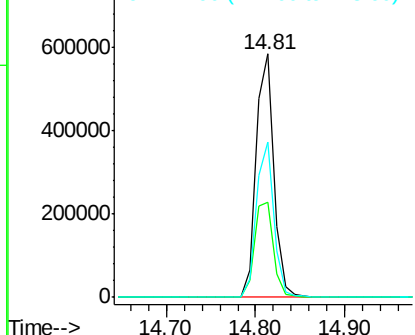
#91
 1,2-Dichlorobenzene
 Concen: 50.461 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.3
148	63.8	31.6	94.8

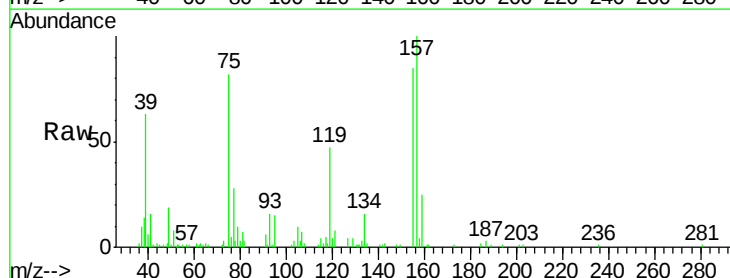


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

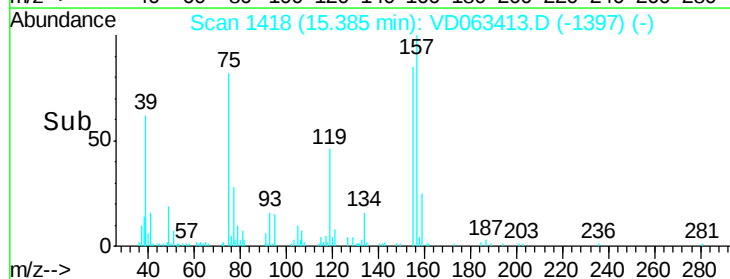
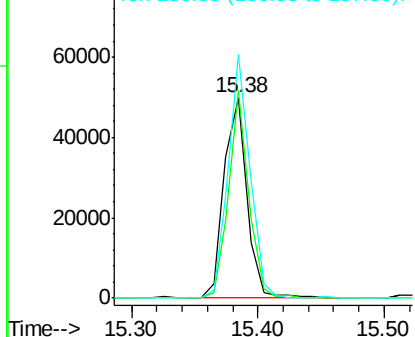


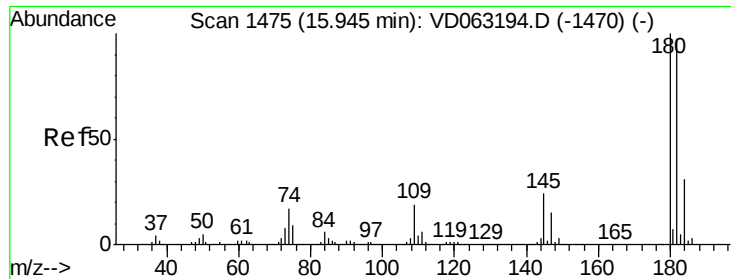
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.743 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.7	37.0	111.0
157	121.4	52.4	157.2



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

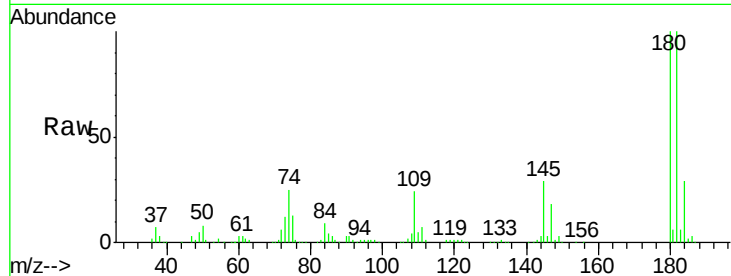




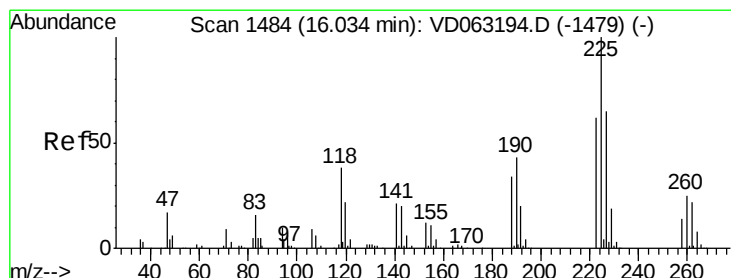
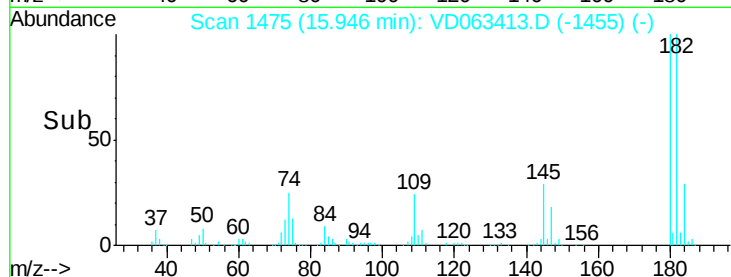
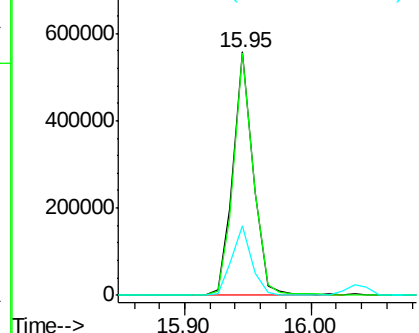
#93
 1,2,4-Trichlorobenzene
 Concen: 49.480 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 618211
 Ion Ratio Lower Upper
 180 100
 182 99.7 48.6 145.8
 145 28.8 12.2 36.6

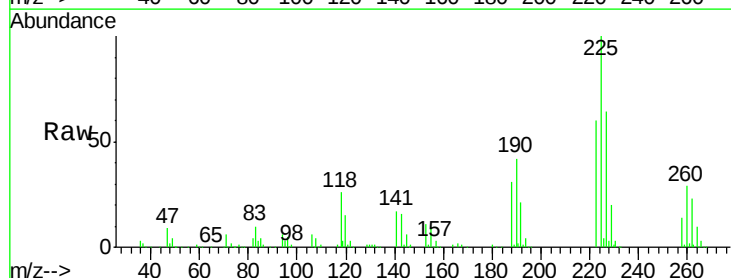


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

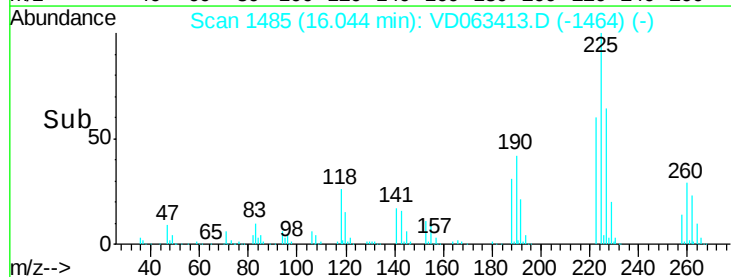
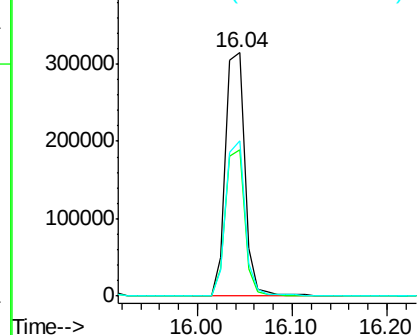


#94
 Hexachlorobutadiene
 Concen: 49.628 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063413.D
 Acq: 6 Aug 2019 21:43

Tgt Ion:225 Resp: 449346
 Ion Ratio Lower Upper
 225 100
 223 60.0 30.9 92.5
 227 63.6 32.6 97.7



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

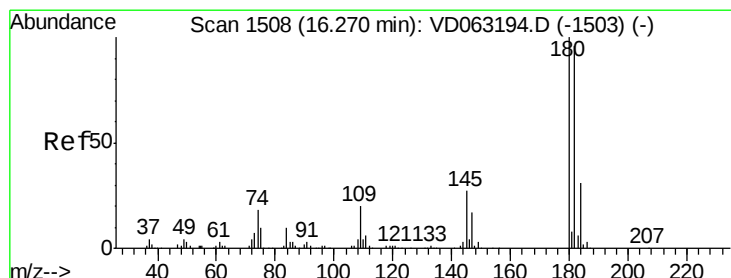
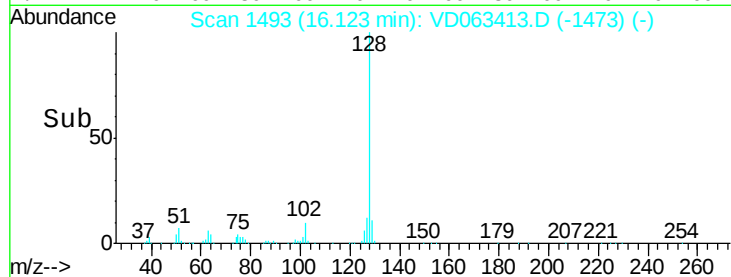
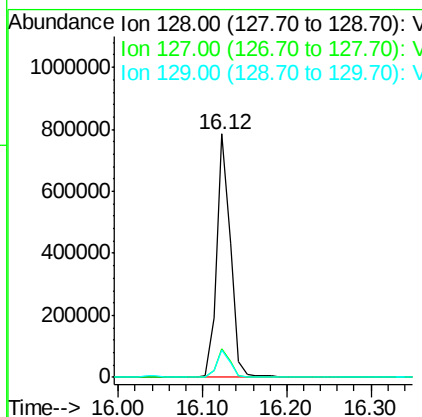
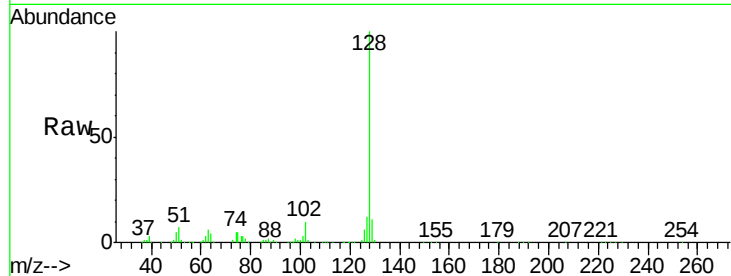




#95
Naphthalene
Concen: 50.413 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 890245
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 11.0 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 49.239 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063413.D
Acq: 6 Aug 2019 21:43

Tgt Ion:180 Resp: 485995
Ion Ratio Lower Upper
180 100
182 96.9 48.3 144.9
145 29.3 13.6 40.7

