

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063752.D
 Acq On : 22 Aug 2019 23:53
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 23 07:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	825567	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1127052	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1025842	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	533075	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	473233	53.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	6.91	113	526794	55.50	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.00%	
50) Toluene-d8	10.41	98	1180257	56.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.12%	
62) 4-Bromofluorobenzene	13.56	95	537174	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	454698	45.525	ug/l	96
3) Chloromethane	1.74	50	357803	45.851	ug/l	97
4) Vinyl Chloride	1.83	62	377904	48.782	ug/l	96
5) Bromomethane	2.14	94	187918	51.409	ug/l	89
6) Chloroethane	2.25	64	187434	52.909	ug/l	99
7) Trichlorofluoromethane	2.52	101	711154	46.801	ug/l	98
8) Diethyl Ether	2.86	74	124253	57.916	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.12	101	386204	43.043	ug/l	92
10) Methyl Iodide	3.28	142	588523	46.358	ug/l	99
11) Tert butyl alcohol	4.06	59	119848	311.978	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	299430	44.886	ug/l	96
13) Acrolein	3.02	56	71624	189.416	ug/l	98
14) Allyl chloride	3.61	41	514005	51.255	ug/l	99
15) Acrylonitrile	4.19	53	318730	313.237	ug/l	93
16) Acetone	3.21	43	462399	257.764	ug/l	99
17) Carbon Disulfide	3.36	76	951115	45.176	ug/l	98
18) Methyl Acetate	3.63	43	203709	59.952	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	800309	59.988	ug/l	100
20) Methylene Chloride	3.80	84	396347	51.095	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	379430	54.050	ug/l	95
22) Diisopropyl ether	5.11	45	1160112	56.061	ug/l	98
23) Vinyl Acetate	5.04	43	3582662	297.801	ug/l	100
24) 1,1-Dichloroethane	4.96	63	710945	55.392	ug/l	100
25) 2-Butanone	6.07	43	521063	294.103	ug/l	95
26) 2,2-Dichloropropane	6.02	77	629066	49.207	ug/l	91
27) cis-1,2-Dichloroethene	6.03	96	422999	55.075	ug/l	97
28) Bromochloromethane	6.43	49	279502	53.732	ug/l	92
29) Tetrahydrofuran	6.45	42	249452	302.158	ug/l	98
30) Chloroform	6.66	83	877050	54.975	ug/l	94
31) Cyclohexane	6.94	56	391592	49.146	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	800585	52.460	ug/l	95
36) 1,1-Dichloropropene	7.14	75	535600	53.757	ug/l	95
37) Ethyl Acetate	6.18	43	267383	64.044	ug/l #	95
38) Carbon Tetrachloride	7.10	117	866388	57.698	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	413842	48.847	ug/l	99
40) Benzene	7.45	78	1190252	54.285	ug/l	97
41) Methacrylonitrile	6.44	41	333786	63.497	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	638049	57.873	ug/l	99
43) Isopropyl Acetate	9.24	43	349975	62.589	ug/l	98
44) Trichloroethene	8.54	130	463310	55.284	ug/l	99
45) 1,2-Dichloropropane	8.93	63	295163	57.807	ug/l	96
46) Dibromomethane	9.06	93	256843	58.903	ug/l	91
47) Bromodichloromethane	9.38	83	661938	59.181	ug/l	98
48) Methyl methacrylate	9.12	41	243605	64.240	ug/l	97
49) 1,4-Dioxane	9.08	88	38688	1138.961	ug/l #	75
51) 4-Methyl-2-Pentanone	10.30	43	1266500	331.008	ug/l	95
52) Toluene	10.51	92	798735	56.558	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	546575	59.879	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	571326	55.509	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	292079	61.227	ug/l	99
56) Ethyl methacrylate	11.04	69	329016	63.543	ug/l	94
57) 1,3-Dichloropropane	11.40	76	440415	61.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	936579	342.622	ug/l	98
59) 2-Hexanone	11.53	43	875035	314.304	ug/l	97
60) Dibromochloromethane	11.69	129	548834	63.225	ug/l	97
61) 1,2-Dibromoethane	11.81	107	364120	63.051	ug/l	96
64) Tetrachloroethene	11.26	164	390754	49.342	ug/l	92
65) Chlorobenzene	12.40	112	999083	51.963	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	447720	52.912	ug/l	99
67) Ethyl Benzene	12.53	91	1691587	50.600	ug/l	99
68) m/p-Xylenes	12.66	106	1227718	104.529	ug/l	94
69) o-Xylene	13.05	106	559322	49.479	ug/l	97
70) Styrene	13.08	104	1025750	51.012	ug/l	97
71) Bromoform	13.23	173	343465	59.197	ug/l	96
73) Isopropylbenzene	13.40	105	1777400	52.421	ug/l	99
74) N-amyl acetate	13.26	43	528784	62.125	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	335682	59.647	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	349746	57.167	ug/l	90
77) Bromobenzene	13.67	156	507106	54.723	ug/l	97
78) n-propylbenzene	13.78	91	2077781	52.374	ug/l	98
79) 2-Chlorotoluene	13.84	91	1192114	52.117	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	1480336	49.968	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	88358	53.735	ug/l	97
82) 4-Chlorotoluene	13.94	91	1413635	51.394	ug/l	96
83) tert-Butylbenzene	14.19	119	1615056	51.770	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1457997	53.190	ug/l	97
85) sec-Butylbenzene	14.37	105	1824393	55.067	ug/l	98
86) p-Isopropyltoluene	14.49	119	1639843	51.767	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	751078	44.809	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	889817	55.331	ug/l	99
89) n-Butylbenzene	14.80	91	1515625	52.423	ug/l	98
90) Hexachloroethane	15.01	117	437269	54.919	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	813416	57.198	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	56581	53.394	ug/l	94

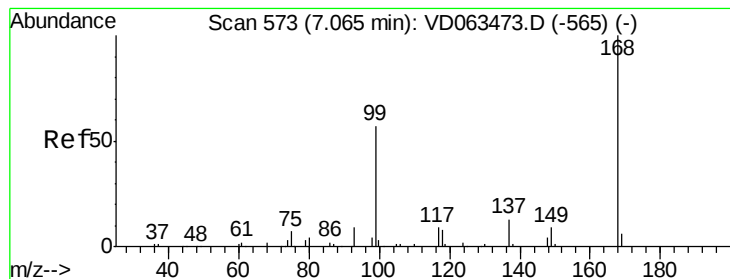
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	583517	55.763	ug/l	95
94) Hexachlorobutadiene	16.04	225	452312	56.715	ug/l	95
95) Naphthalene	16.12	128	948088	59.783	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	520628	61.599	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

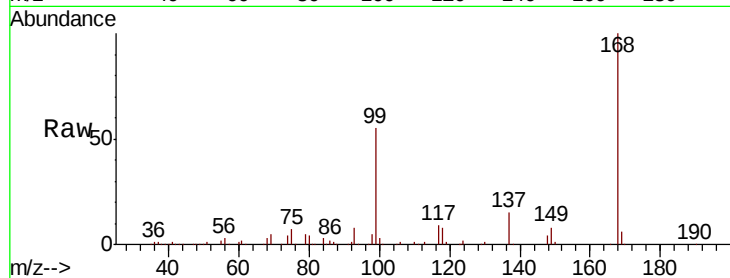
VSTDCCC050EC

Tgt Ion:168 Resp: 825567

Ion Ratio Lower Upper

168 100

99 55.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

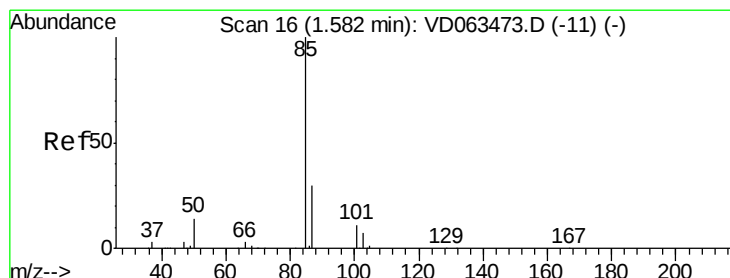
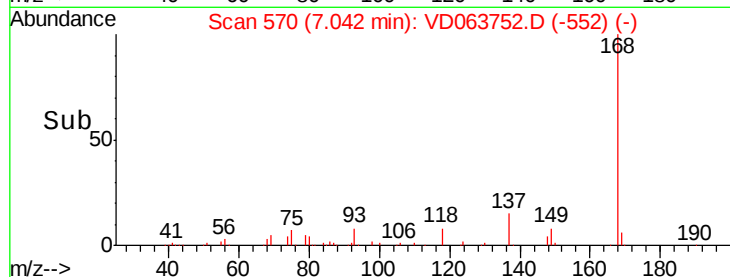
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.525 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD063752.D

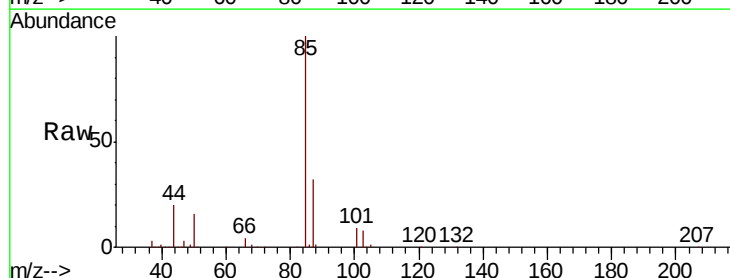
Acq: 22 Aug 2019 23:53

Tgt Ion: 85 Resp: 454698

Ion Ratio Lower Upper

85 100

87 32.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

250000

200000

150000

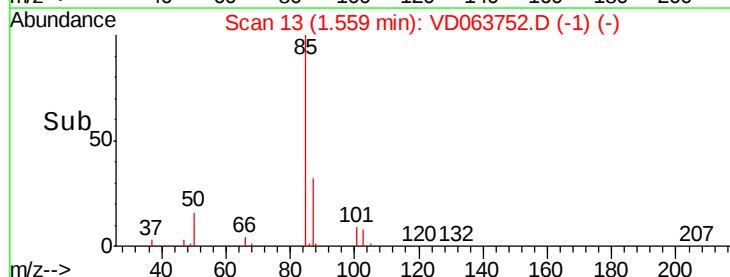
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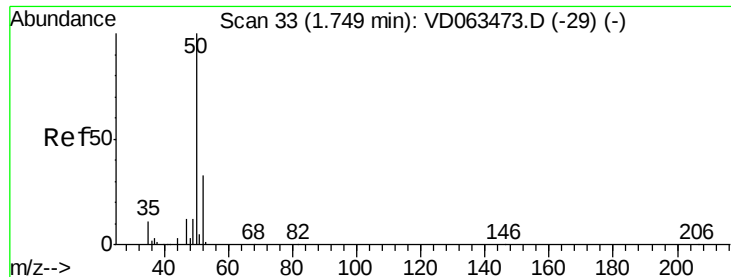
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 45.851 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

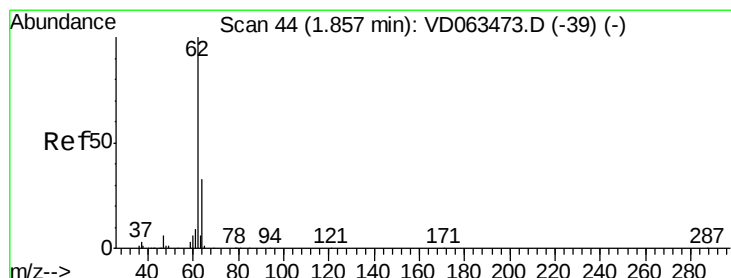
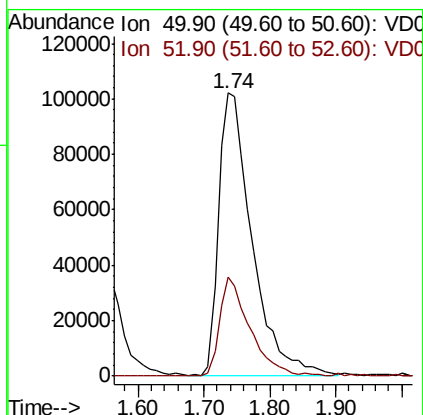
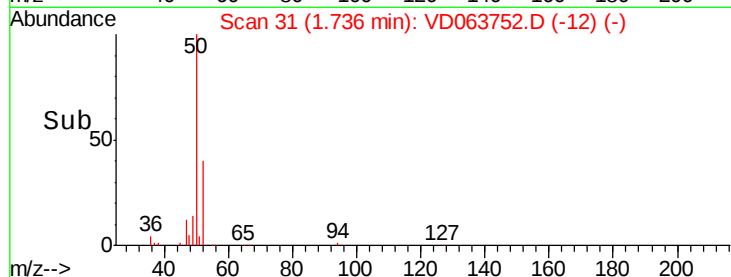
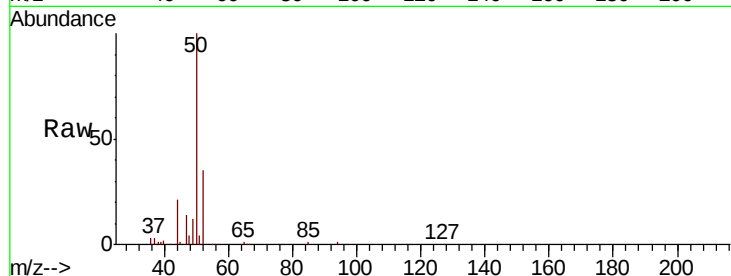
VSTDCCC050EC

Tgt Ion: 50 Resp: 357803

Ion Ratio Lower Upper

50 100

52 34.9 26.6 40.0



#4

Vinyl Chloride

Concen: 48.782 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.02 min

Lab File: VD063752.D

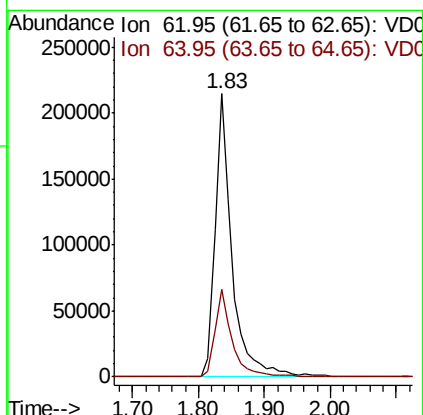
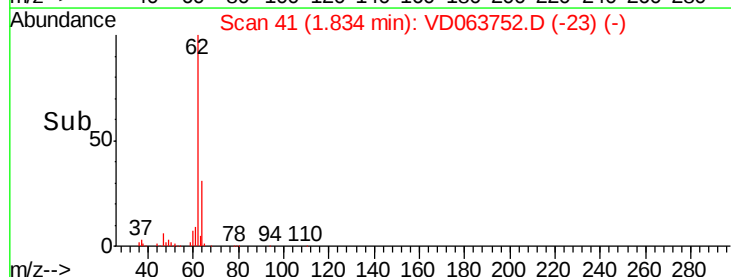
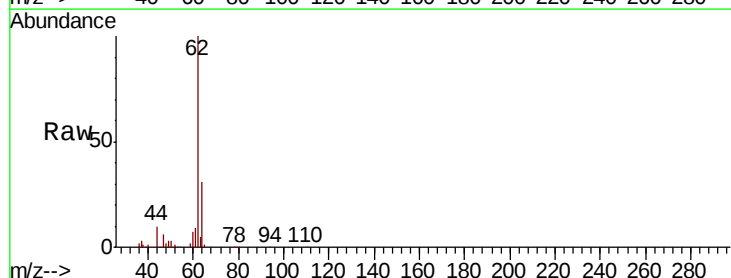
Acq: 22 Aug 2019 23:53

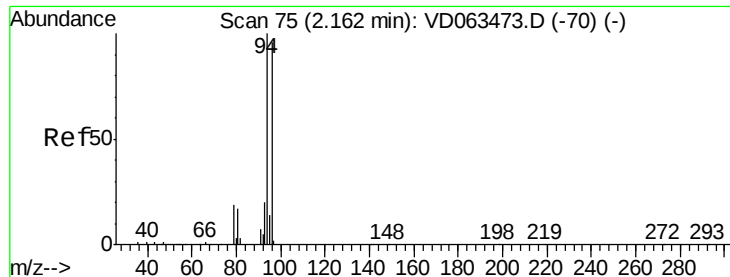
Tgt Ion: 62 Resp: 377904

Ion Ratio Lower Upper

62 100

64 30.8 26.4 39.6





#5

Bromomethane

Concen: 51.409 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

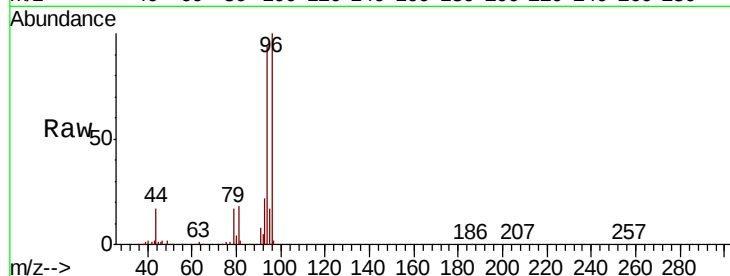
Tgt Ion: 94 Resp: 187918

Ion Ratio Lower Upper

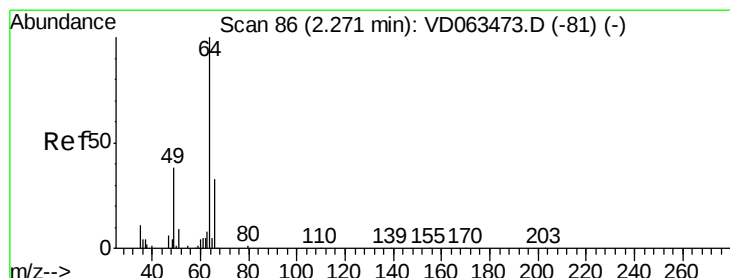
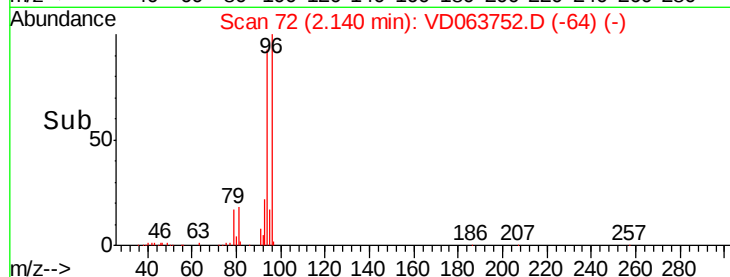
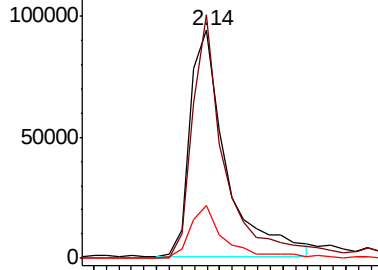
94 100

96 106.8 76.5 114.7

93 23.1 15.8 23.8



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: 52.909 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063752.D

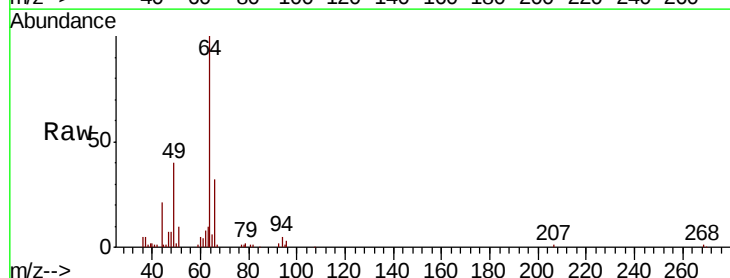
Acq: 22 Aug 2019 23:53

Tgt Ion: 64 Resp: 187434

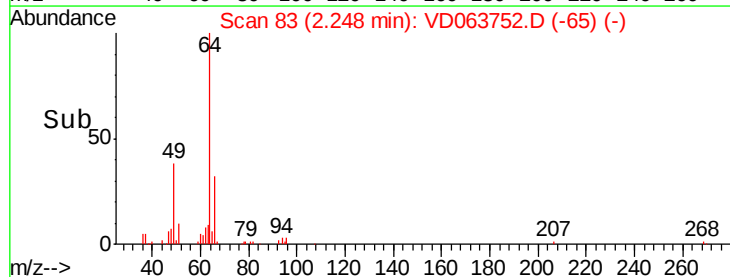
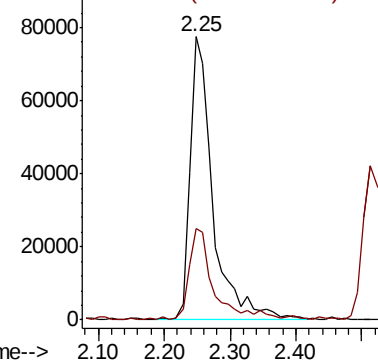
Ion Ratio Lower Upper

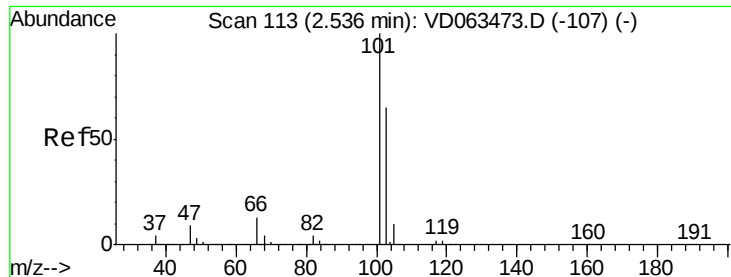
64 100

66 32.5 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



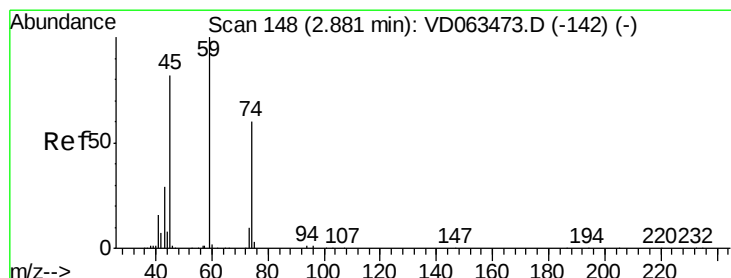
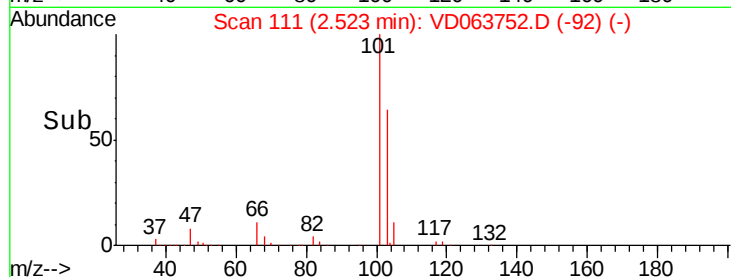
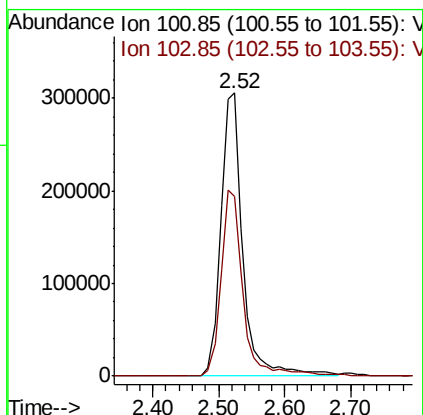
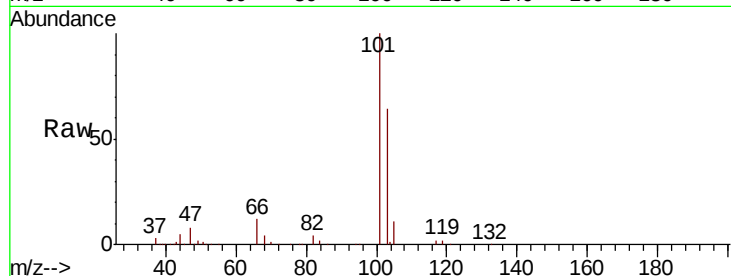


#7

Trichlorofluoromethane
 Concen: 46.801 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Instrument :
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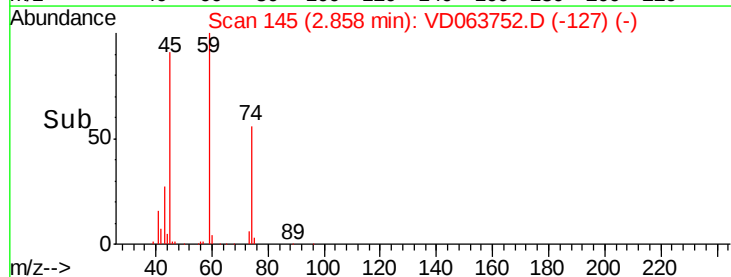
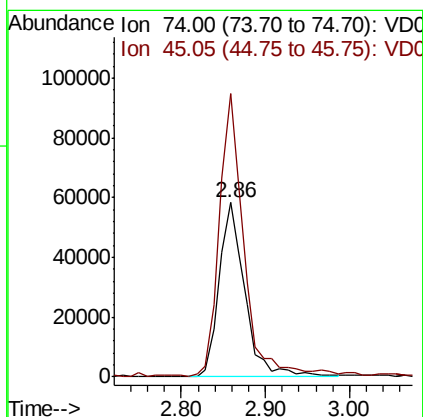
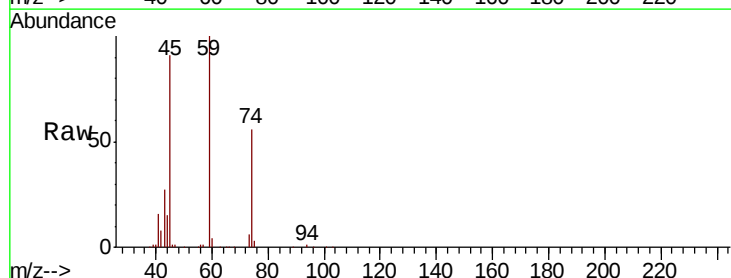
Tgt Ion: 101 Resp: 711154
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4

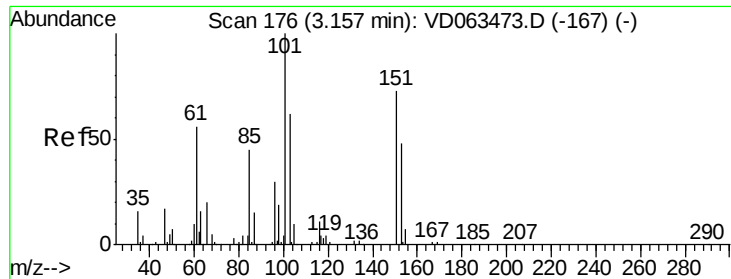


#8

Diethyl Ether
 Concen: 57.916 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 74 Resp: 124253
 Ion Ratio Lower Upper
 74 100
 45 162.4 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.043 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

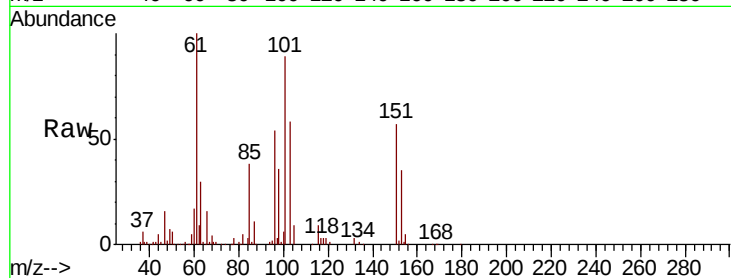
Tgt Ion:101 Resp: 386204

Ion Ratio Lower Upper

101 100

85 43.1 35.8 53.6

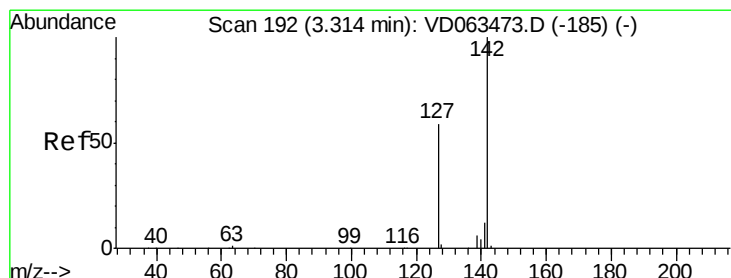
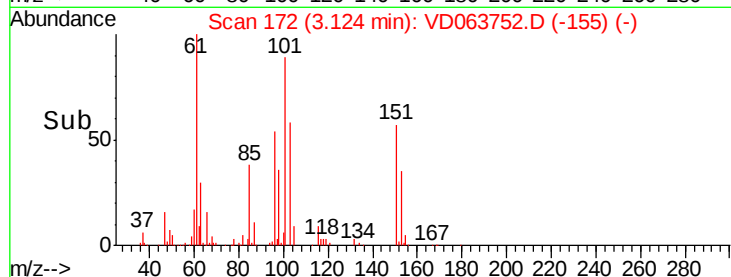
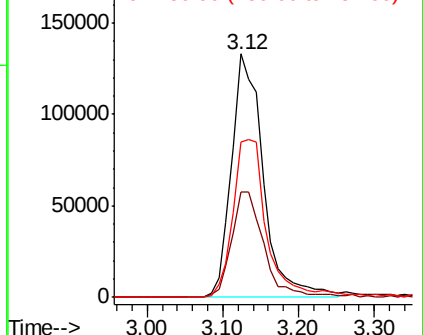
151 64.0 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 46.358 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

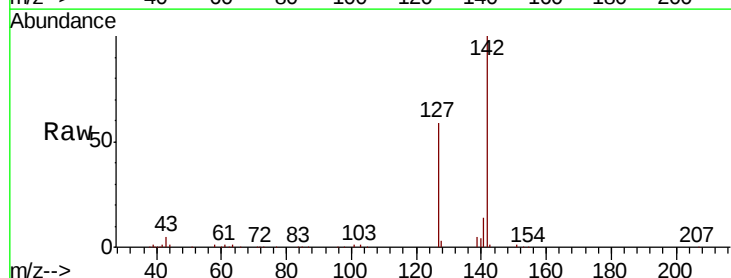
Tgt Ion:142 Resp: 588523

Ion Ratio Lower Upper

142 100

127 58.5 47.2 70.8

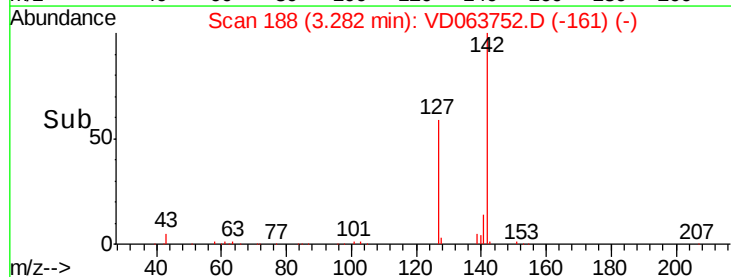
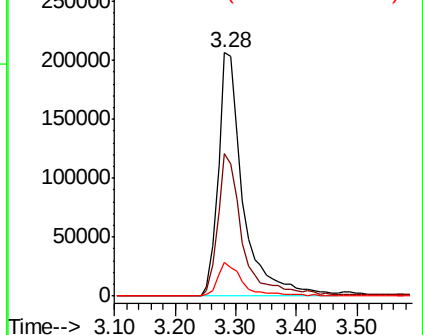
141 13.8 9.8 14.8

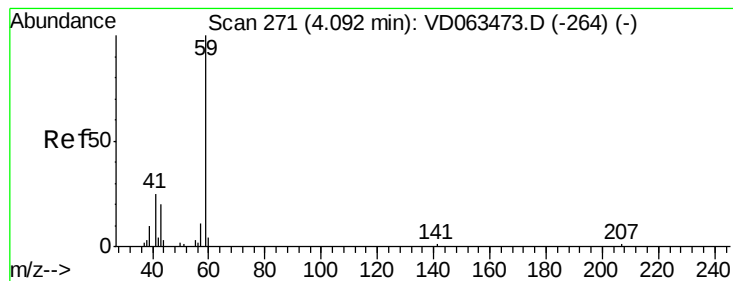


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



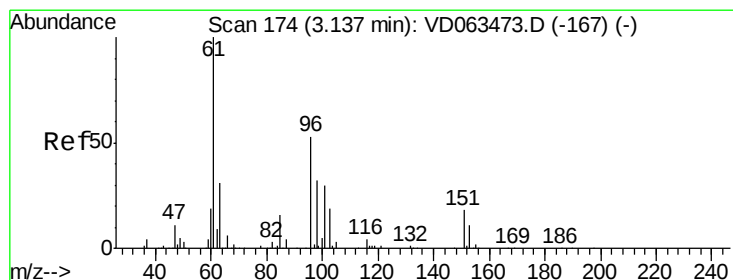
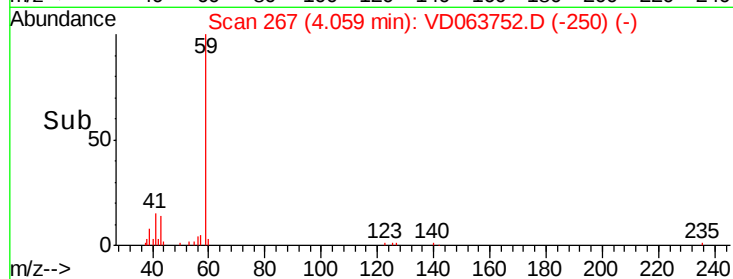
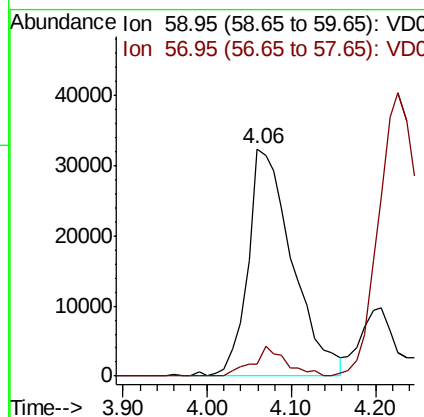
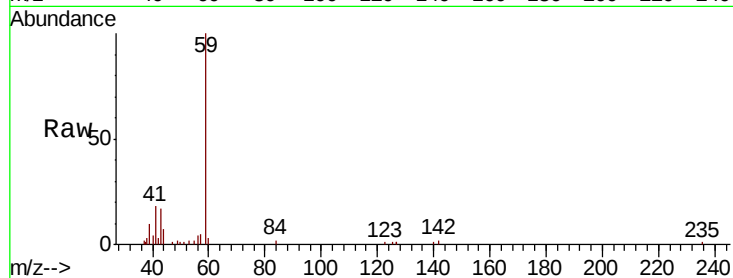


#11

Tert butyl alcohol
Concen: 311.978 ug/l
RT: 4.06 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

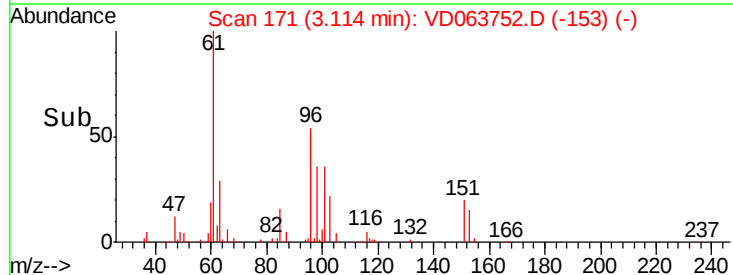
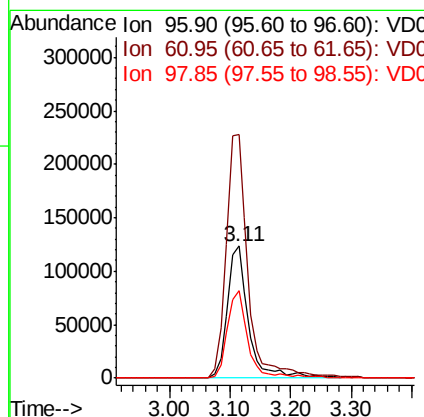
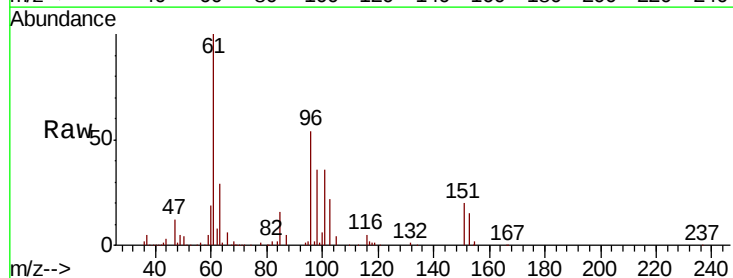
Tgt Ion: 59 Resp: 119848
Ion Ratio Lower Upper
59 100
57 5.0 8.7 13.1#

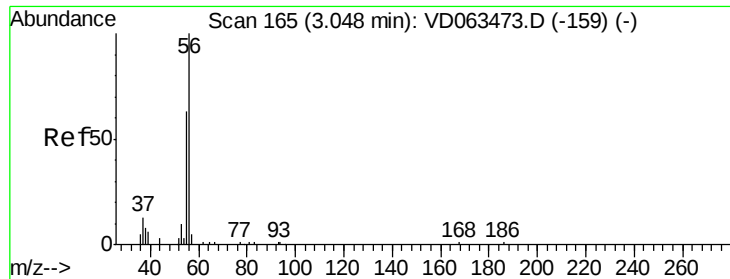


#12

1,1-Dichloroethene
Concen: 44.886 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 96 Resp: 299430
Ion Ratio Lower Upper
96 100
61 184.6 151.7 227.5
98 66.2 48.4 72.6





#13

Acrolein

Concen: 189.416 ug/l

RT: 3.02 min Scan# 161

Delta R.T. -0.03 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

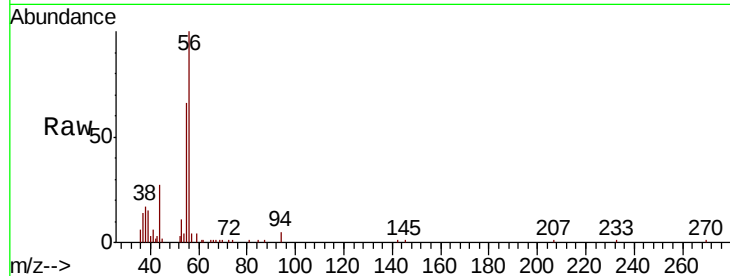
VSTDCCC050EC

Tgt Ion: 56 Resp: 71624

Ion Ratio Lower Upper

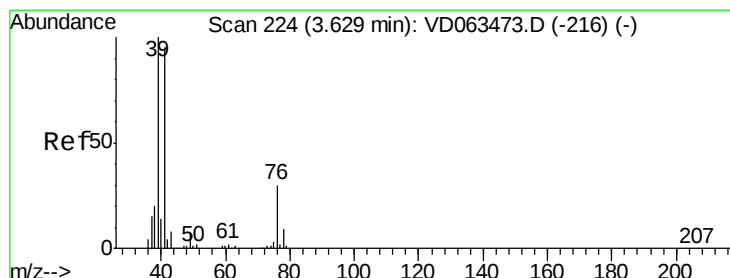
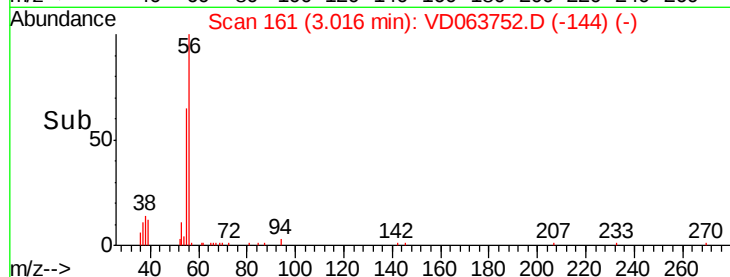
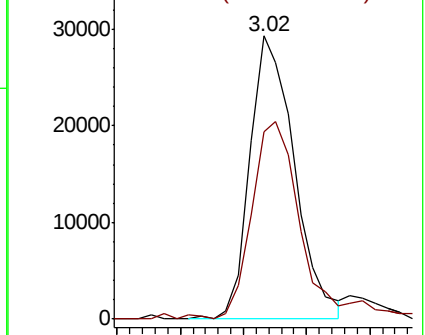
56 100

55 66.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.255 ug/l

RT: 3.61 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

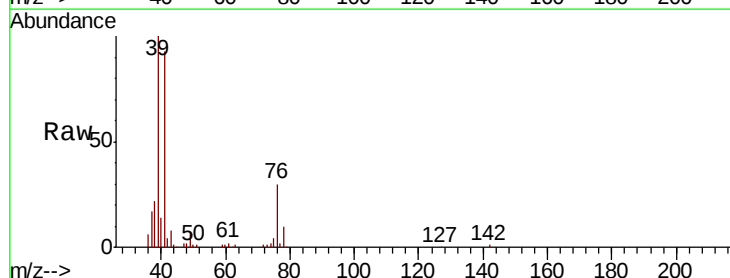
Tgt Ion: 41 Resp: 514005

Ion Ratio Lower Upper

41 100

39 107.0 84.2 126.4

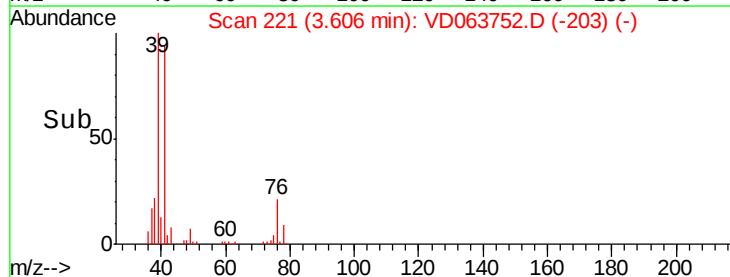
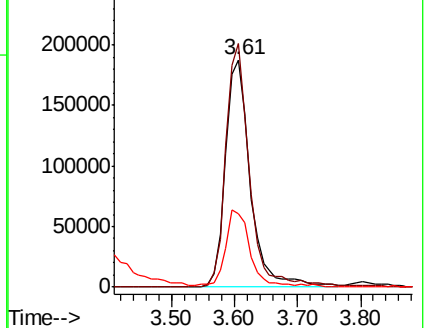
76 32.5 26.0 39.0

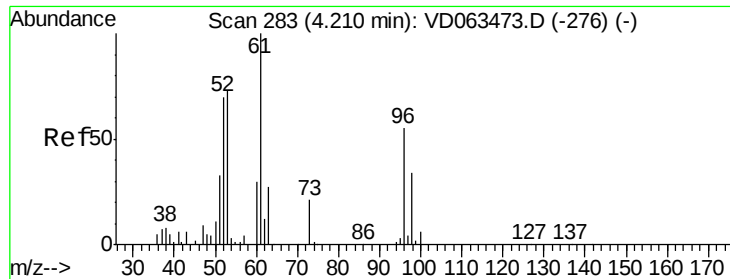


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

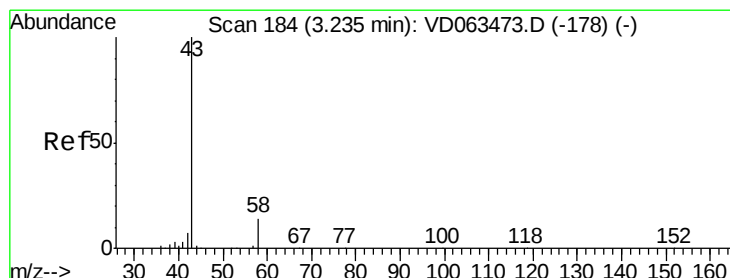
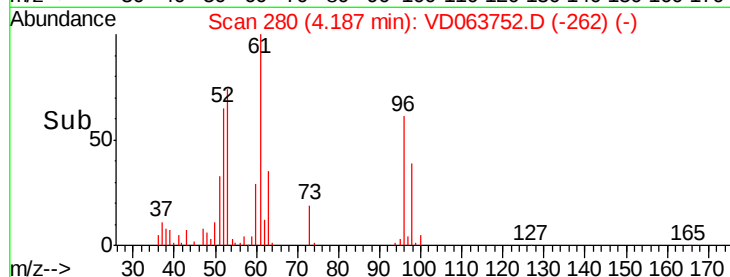
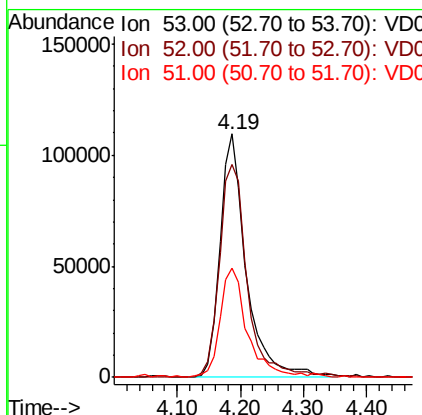
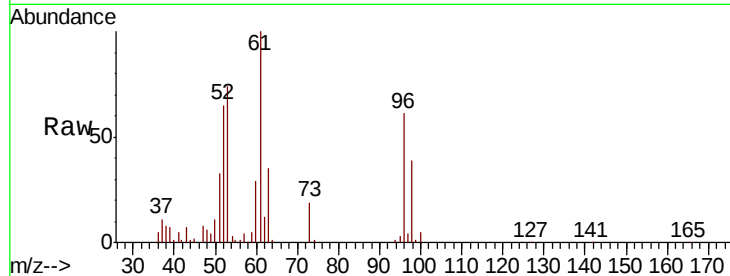




#15
 Acrylonitrile
 Concen: 313.237 ug/l
 RT: 4.19 min Scan# 280
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

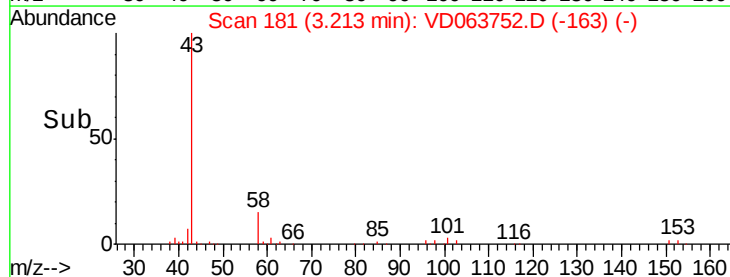
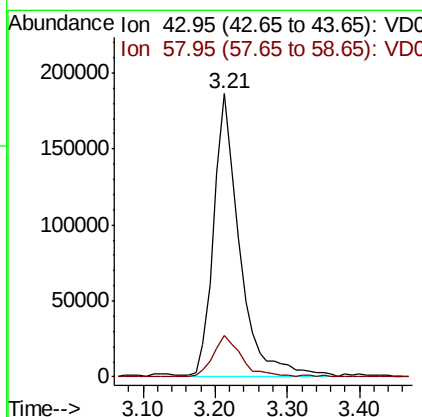
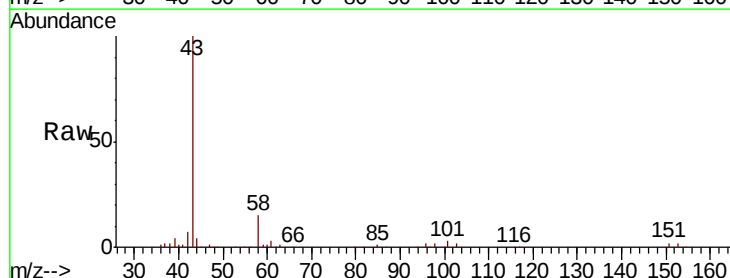
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

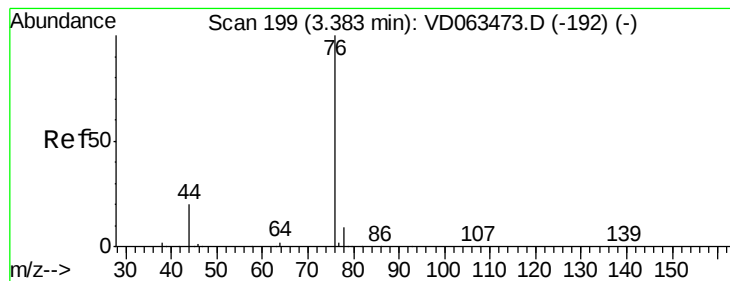
Tgt Ion: 53 Resp: 318730
 Ion Ratio Lower Upper
 53 100
 52 87.7 77.4 116.0
 51 44.7 36.7 55.1



#16
 Acetone
 Concen: 257.764 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 43 Resp: 462399
 Ion Ratio Lower Upper
 43 100
 58 14.9 11.4 17.2





#17

Carbon Disulfide

Concen: 45.176 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

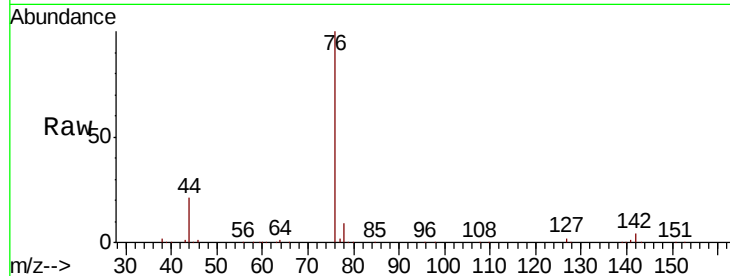
VSTDCCC050EC

Tgt Ion: 76 Resp: 951115

Ion Ratio Lower Upper

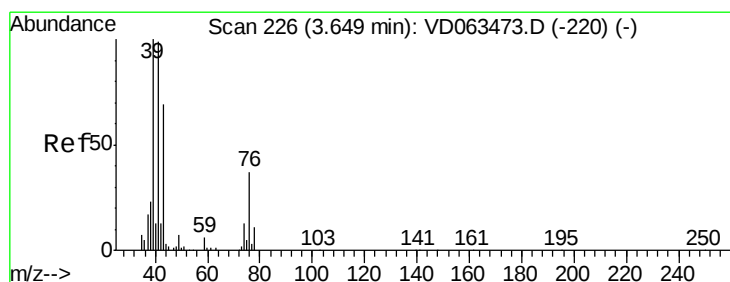
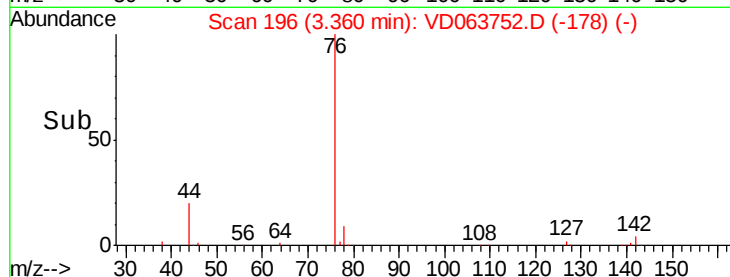
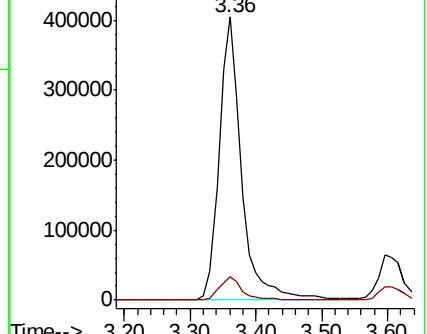
76 100

78 8.5 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 59.952 ug/l

RT: 3.63 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD063752.D

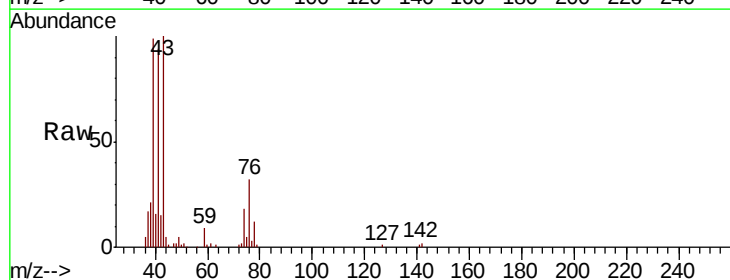
Acq: 22 Aug 2019 23:53

Tgt Ion: 43 Resp: 203709

Ion Ratio Lower Upper

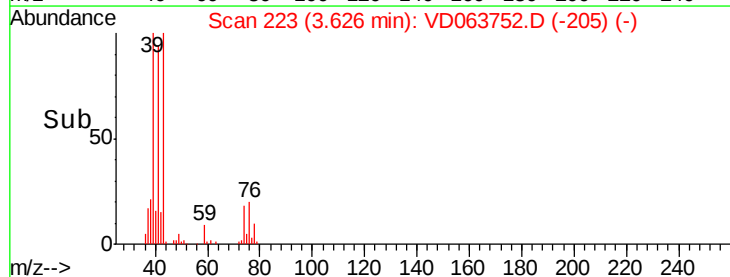
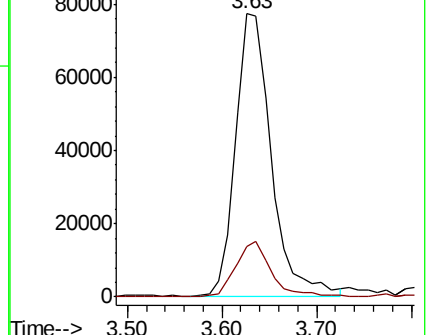
43 100

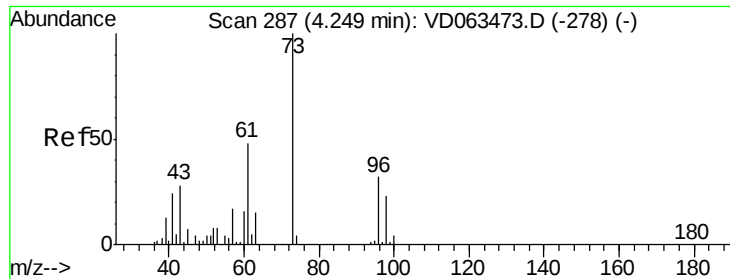
74 18.0 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

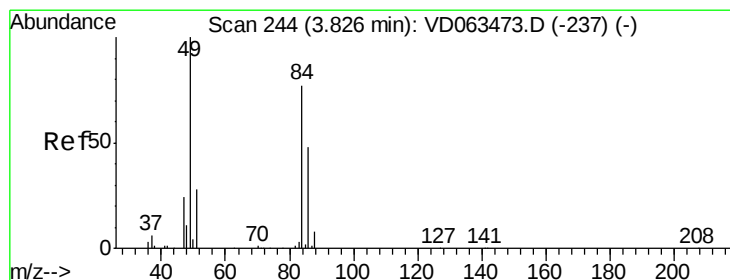
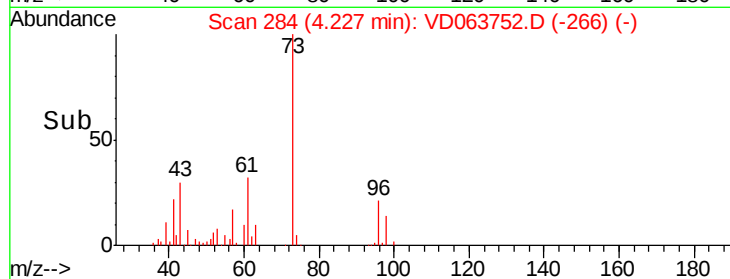
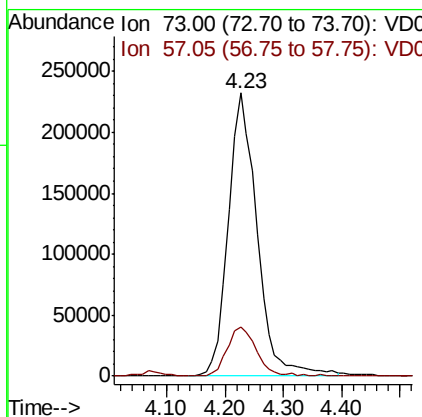
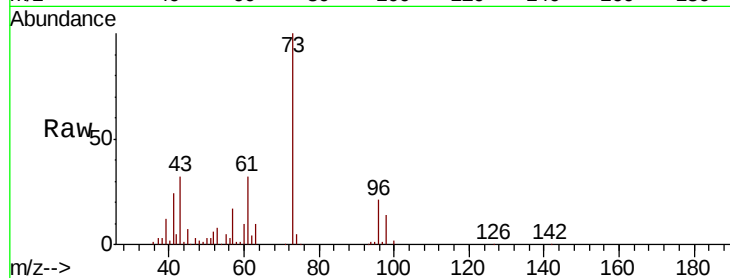




#19
Methyl tert-butyl Ether
Concen: 59.988 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

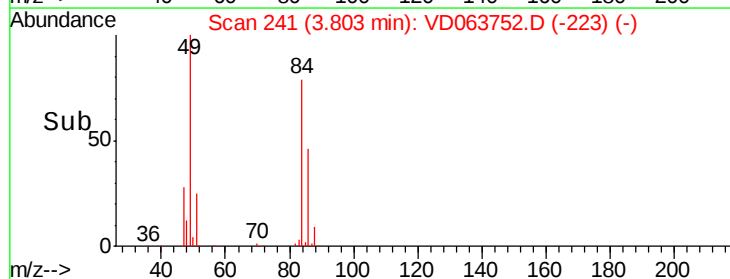
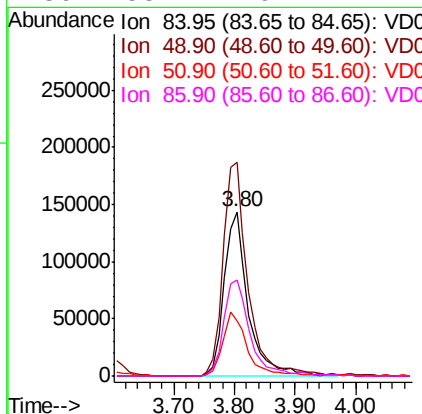
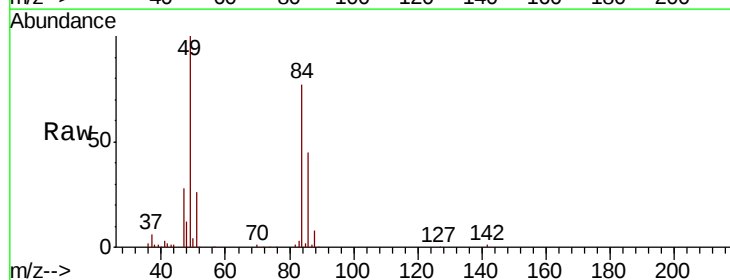
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

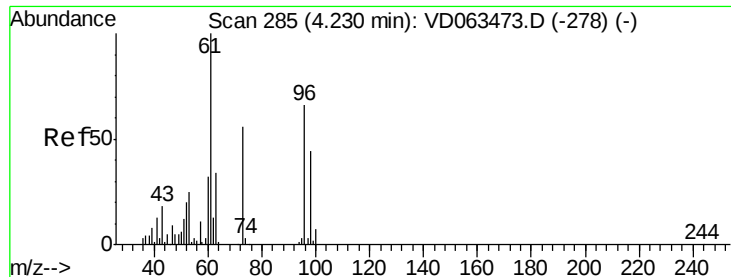
Tgt Ion: 73 Resp: 800309
Ion Ratio Lower Upper
73 100
57 17.4 14.0 21.0



#20
Methylene Chloride
Concen: 51.095 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 84 Resp: 396347
Ion Ratio Lower Upper
84 100
49 130.1 103.4 155.2
51 33.5 28.5 42.7
86 58.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 54.050 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

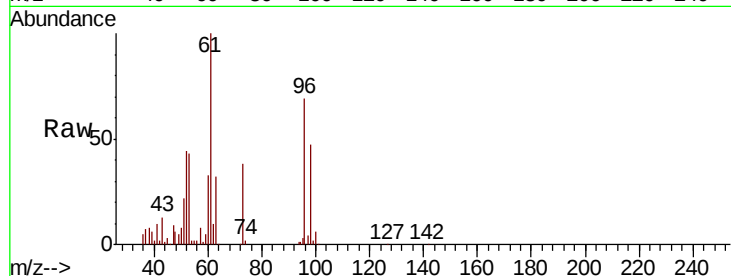
Tgt Ion: 96 Resp: 379430

Ion Ratio Lower Upper

96 100

61 144.0 121.7 182.5

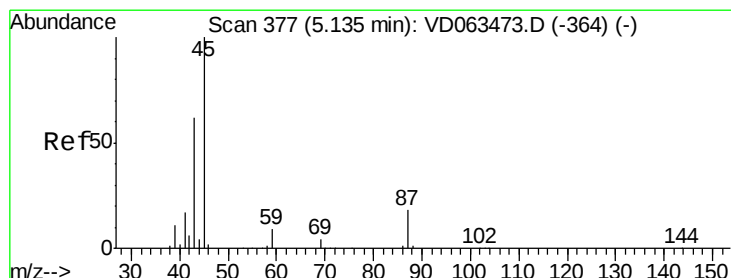
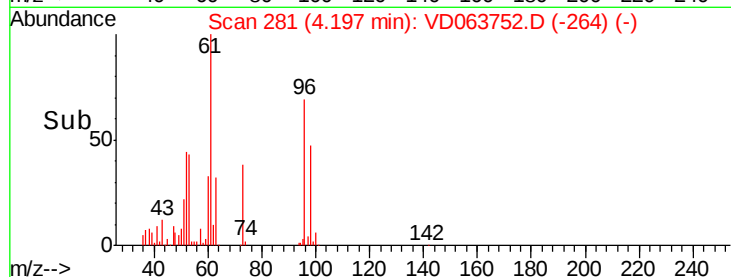
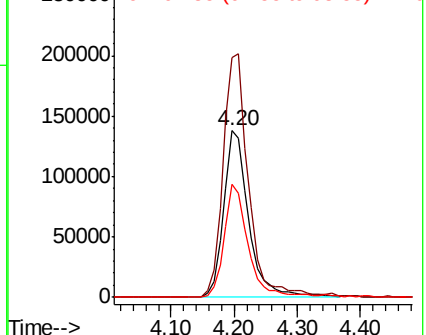
98 68.3 54.2 81.2



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: 56.061 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Tgt Ion: 45 Resp: 1160112

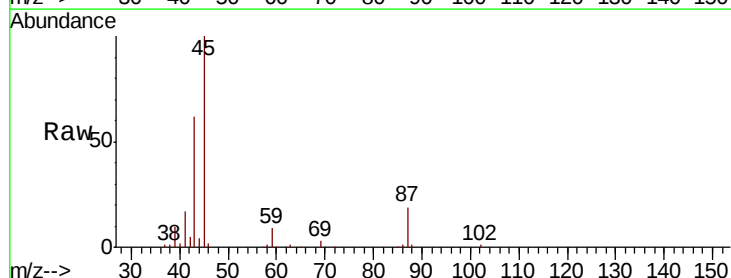
Ion Ratio Lower Upper

45 100

43 62.0 50.3 75.5

87 19.4 14.3 21.5

59 8.8 7.7 11.5

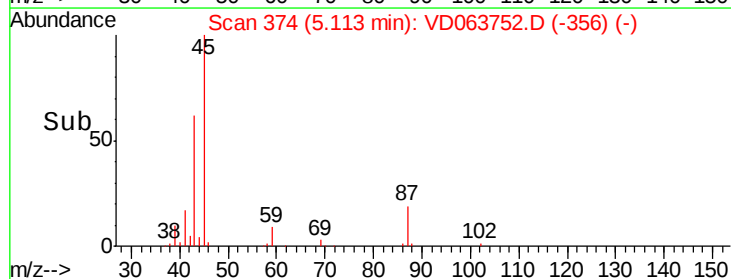
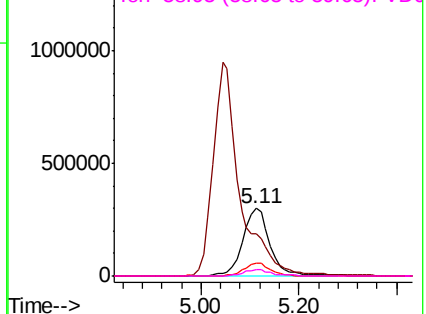


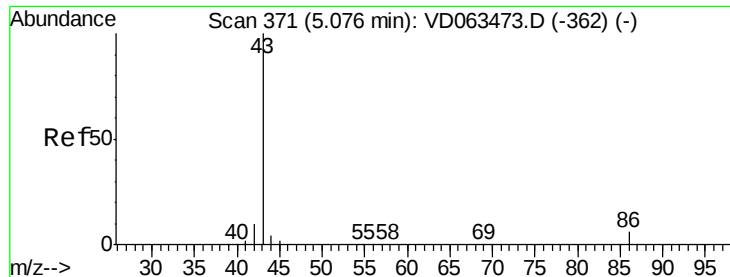
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 297.801 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

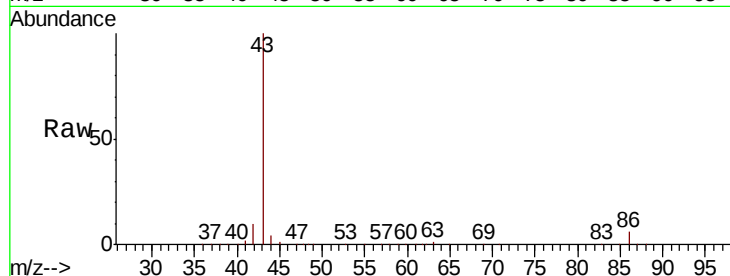
VSTDCCC050EC

Tgt Ion: 43 Resp: 3582662

Ion Ratio Lower Upper

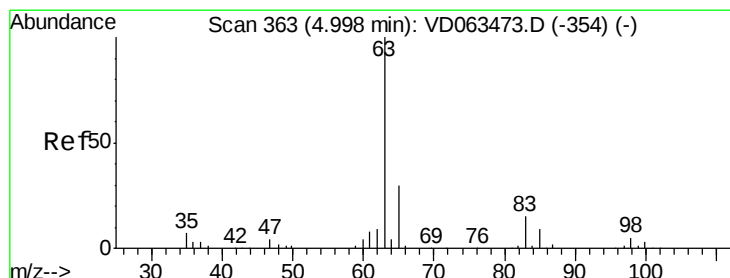
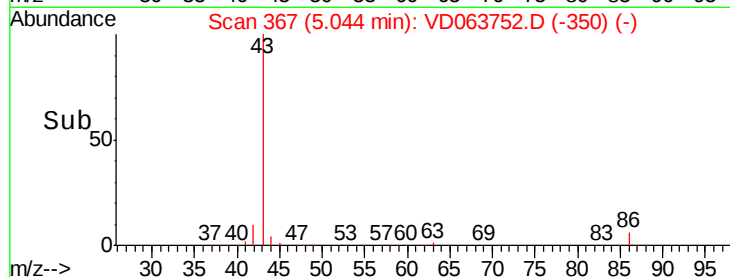
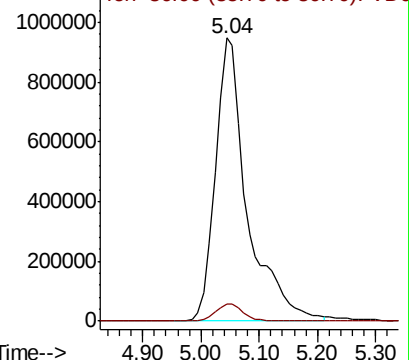
43 100

86 6.0 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.392 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

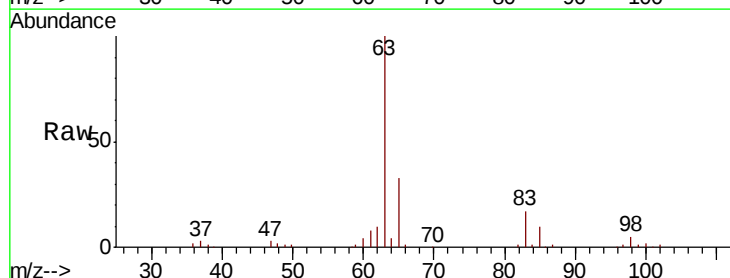
Tgt Ion: 63 Resp: 710945

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.2

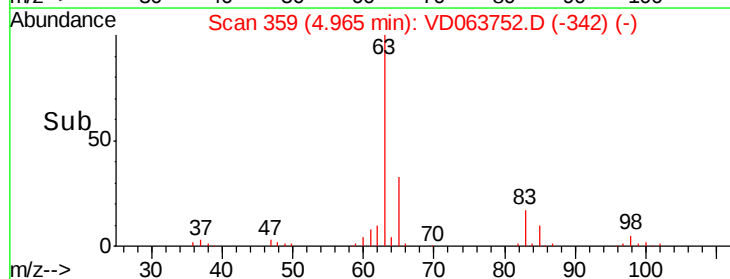
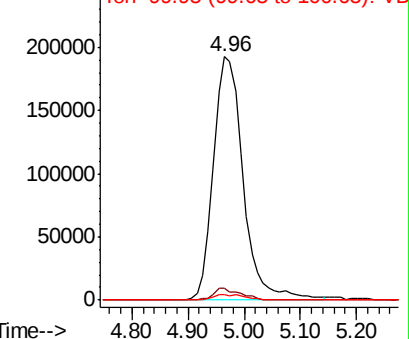
100 2.5 1.3 3.8

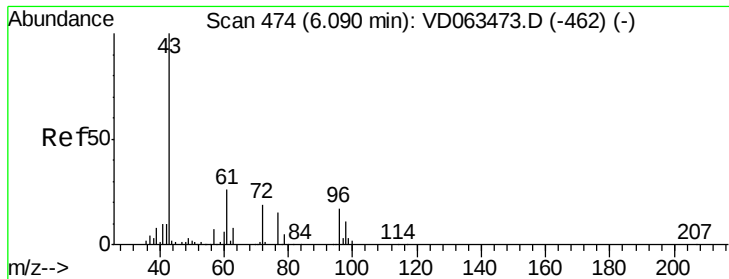


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 294.103 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

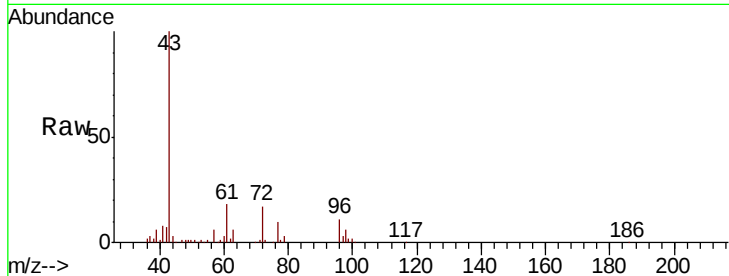
VSTDCCC050EC

Tgt Ion: 43 Resp: 521063

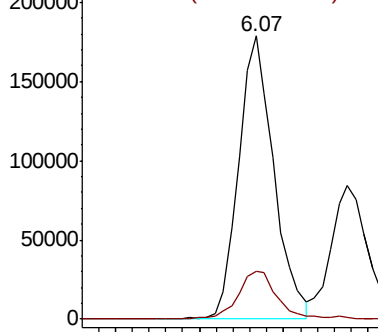
Ion Ratio Lower Upper

43 100

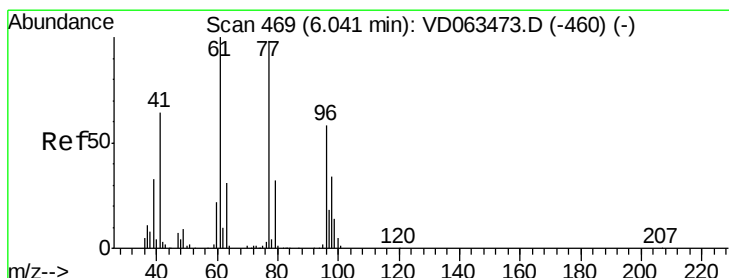
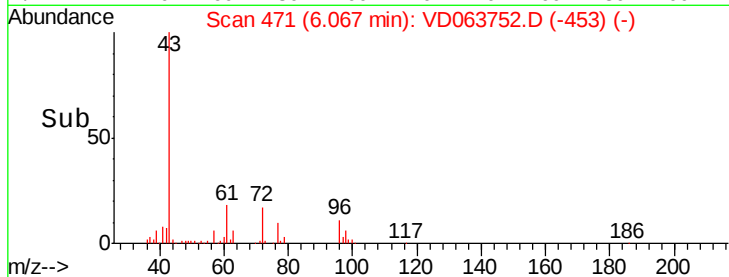
72 16.8 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 49.207 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD063752.D

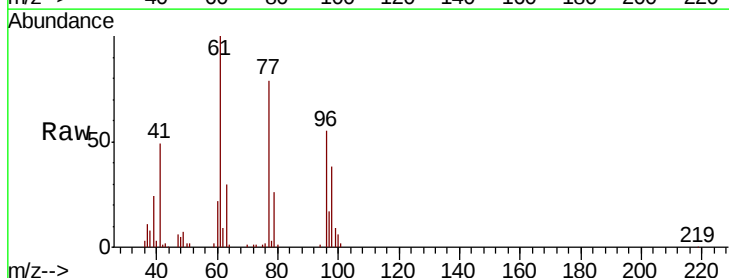
Acq: 22 Aug 2019 23:53

Tgt Ion: 77 Resp: 629066

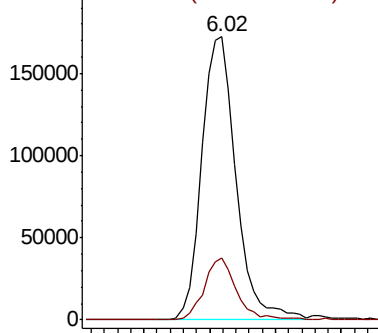
Ion Ratio Lower Upper

77 100

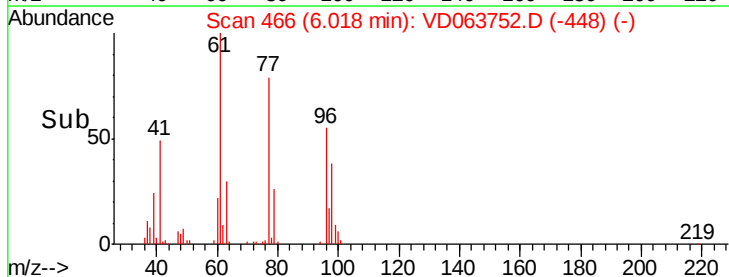
97 22.0 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



Time-->

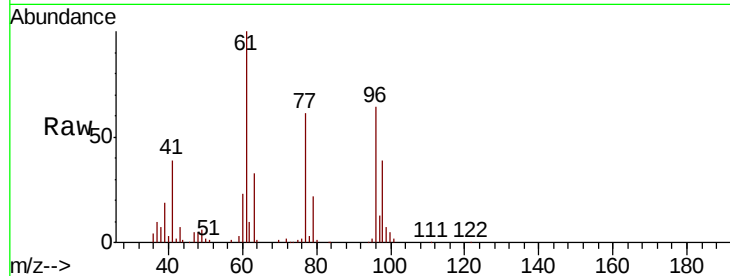




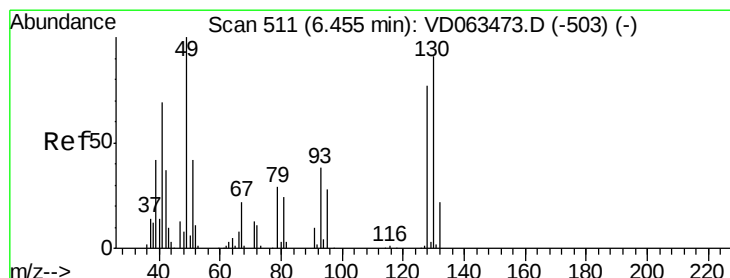
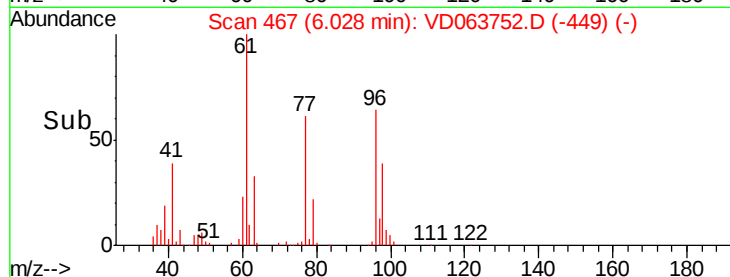
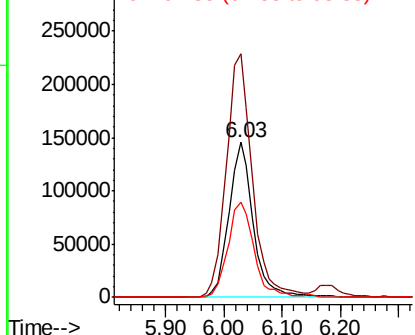
#27
 cis-1,2-Dichloroethene
 Concen: 55.075 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 422999
 Ion Ratio Lower Upper
 96 100
 61 156.9 0.0 304.0
 98 61.3 0.0 124.8

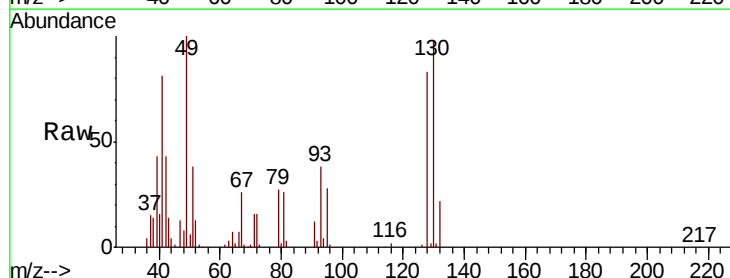


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

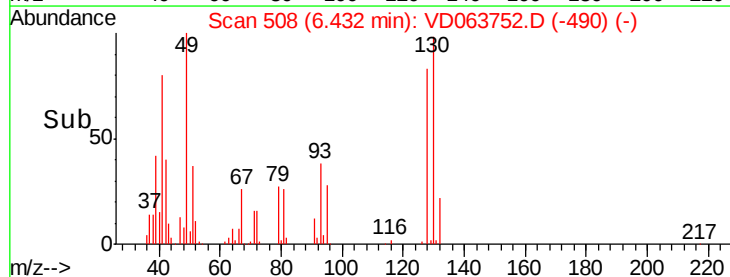
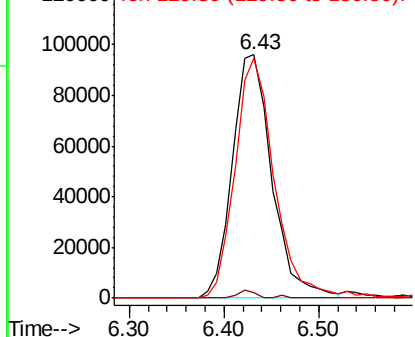


#28
 Bromochloromethane
 Concen: 53.732 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 49 Resp: 279502
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 6.4
 130 98.5 72.4 108.6



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: 302.158 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

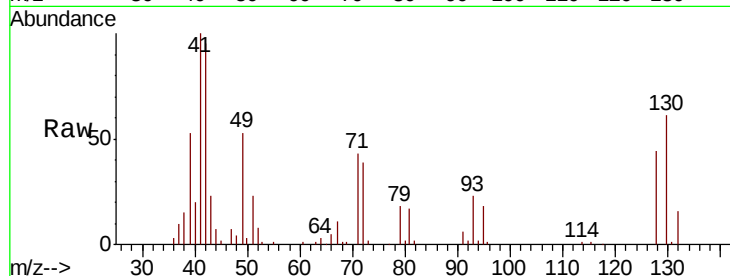
Tgt Ion: 42 Resp: 249452

Ion Ratio Lower Upper

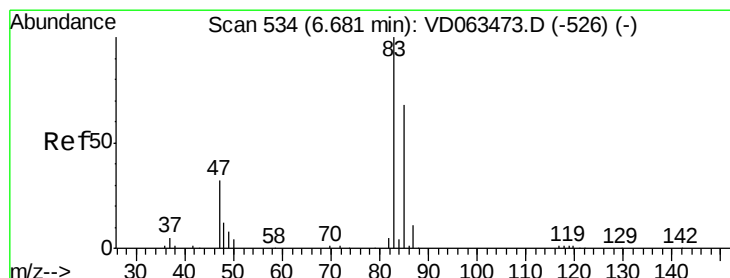
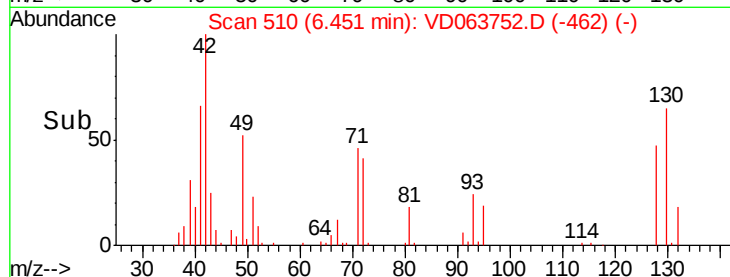
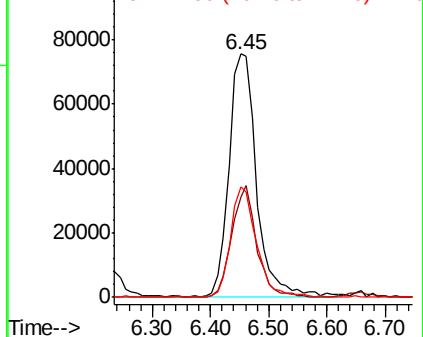
42 100

72 41.0 31.5 47.3

71 42.7 33.8 50.8



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: 54.975 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063752.D

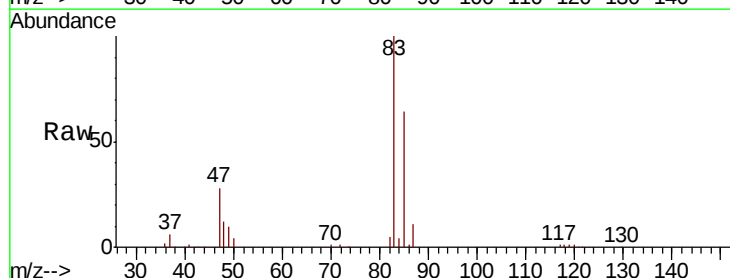
Acq: 22 Aug 2019 23:53

Tgt Ion: 83 Resp: 877050

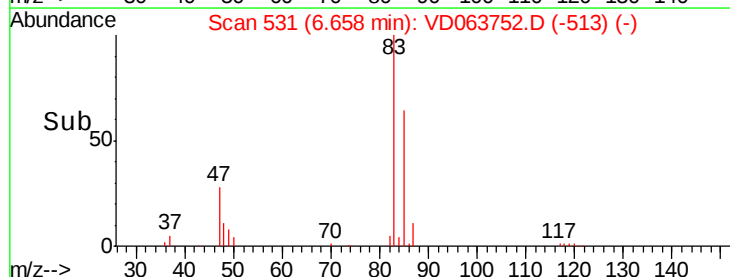
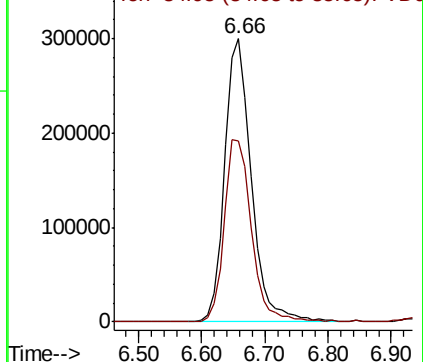
Ion Ratio Lower Upper

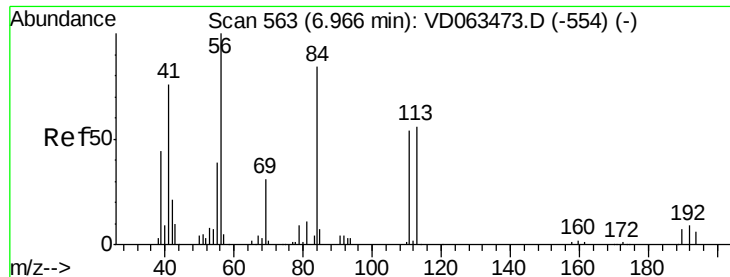
83 100

85 63.9 54.8 82.2



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

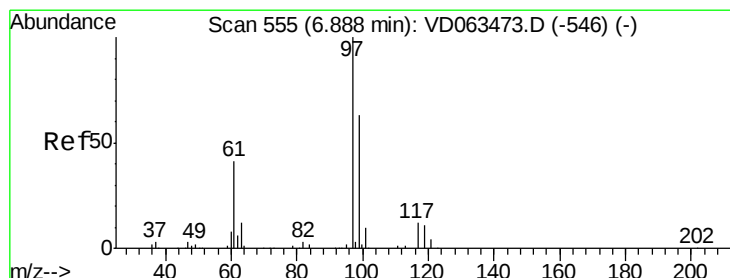
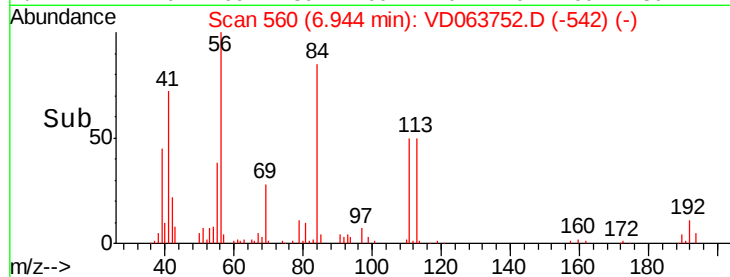
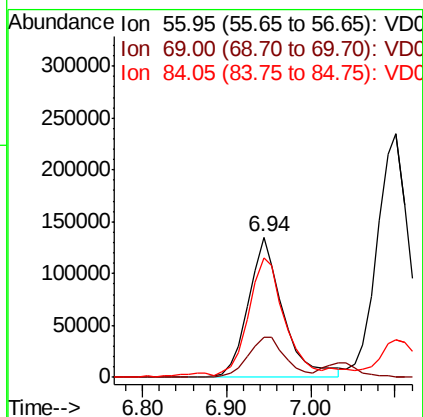
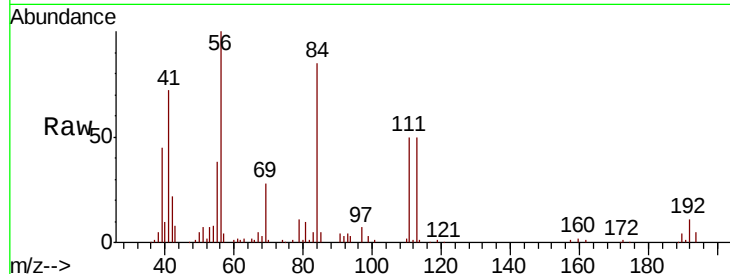




#31
Cyclohexane
Concen: 49.146 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

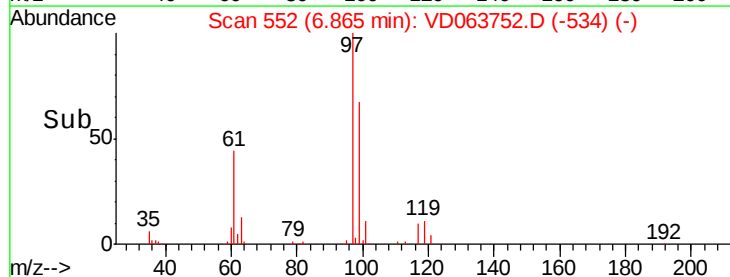
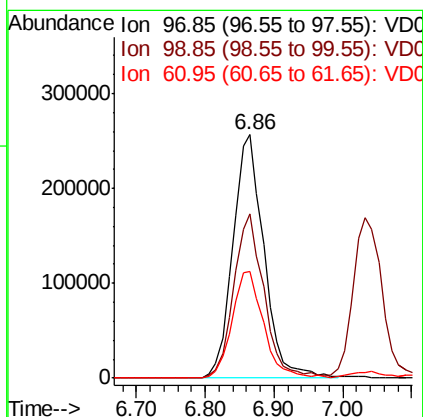
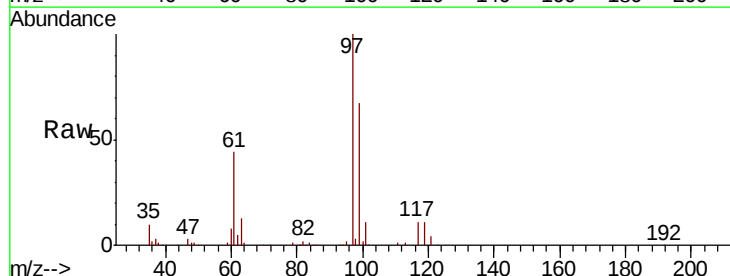
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

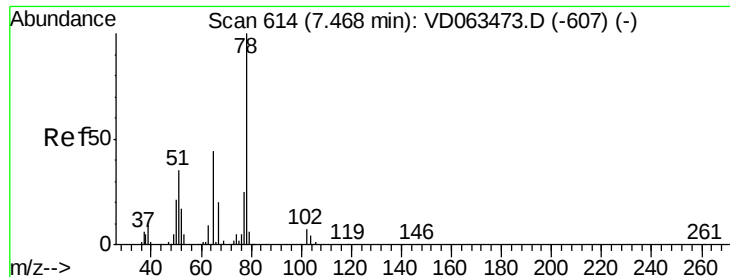
Tgt Ion: 56 Resp: 391592
Ion Ratio Lower Upper
56 100
69 28.1 25.0 37.6
84 85.1 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 52.460 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 97 Resp: 800585
Ion Ratio Lower Upper
97 100
99 67.4 50.2 75.4
61 43.6 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 53.626 ug/l

RT: 7.45 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

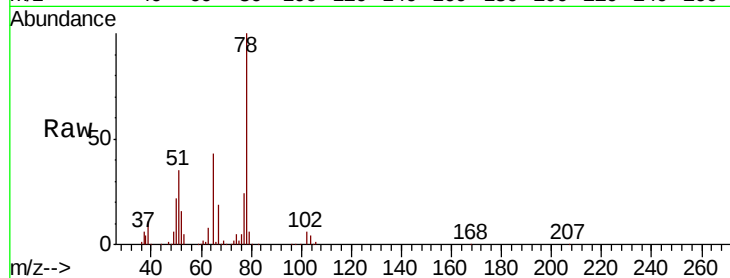
VSTDCCC050EC

Tgt Ion: 65 Resp: 473233

Ion Ratio Lower Upper

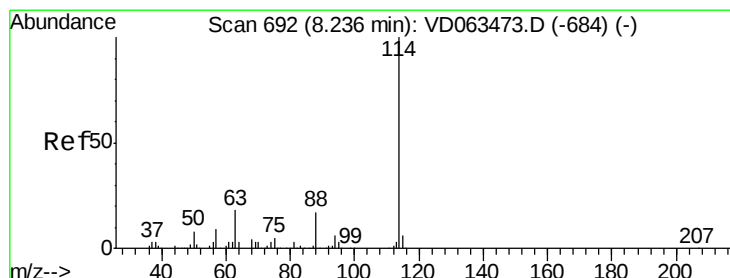
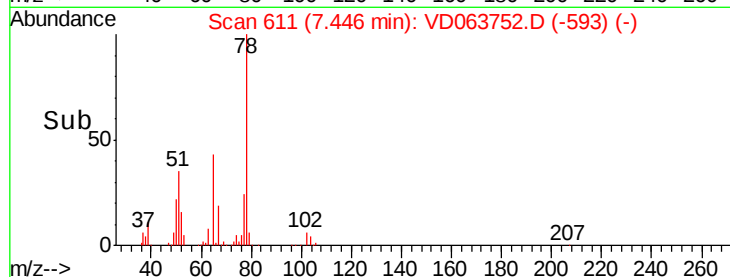
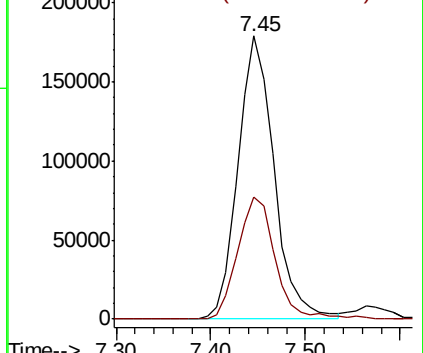
65 100

67 43.1 0.0 89.2



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: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

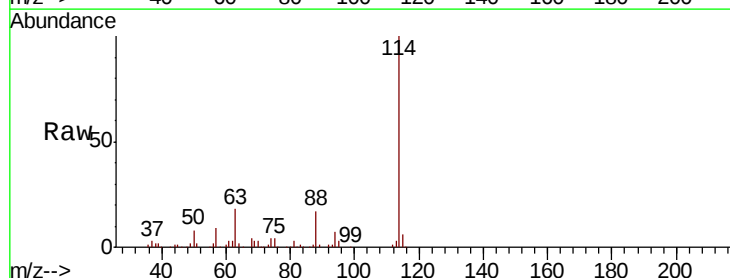
Tgt Ion: 114 Resp: 1127052

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

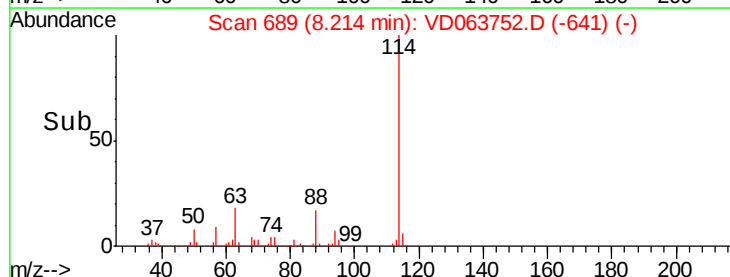
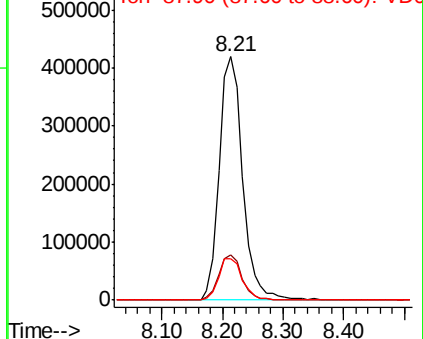
88 16.9 0.0 35.0

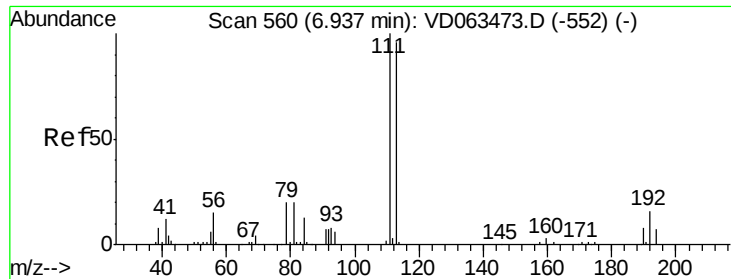


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

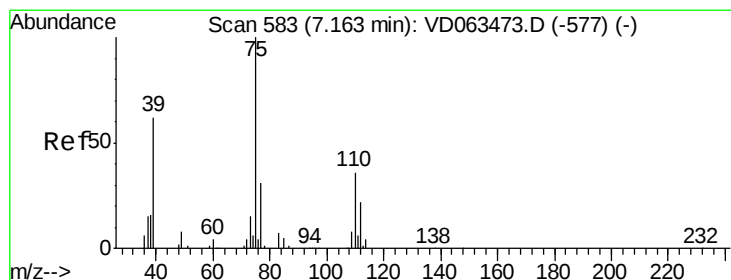
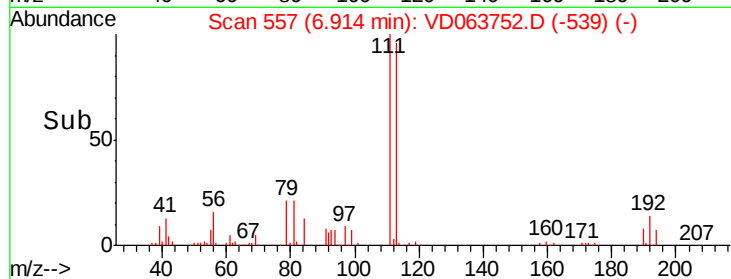
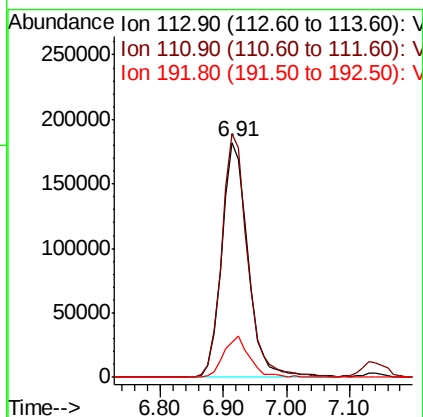
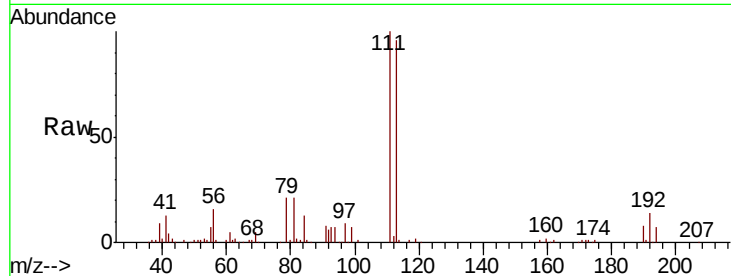




#35
 Dibromofluoromethane
 Concen: 55.498 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

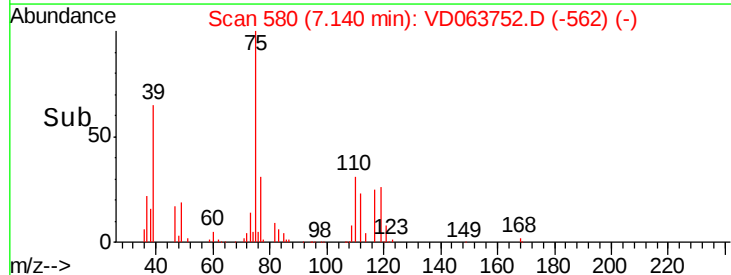
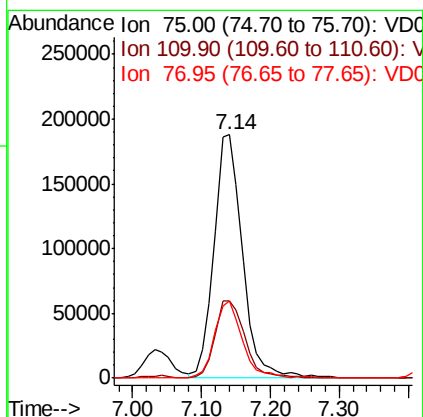
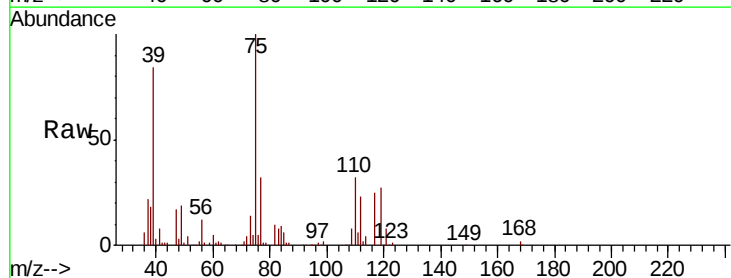
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

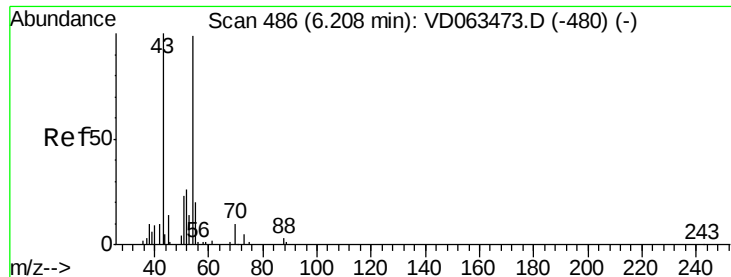
Tgt Ion: 113 Resp: 526794
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.1 124.7
 192 14.9 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 53.757 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 75 Resp: 535600
 Ion Ratio Lower Upper
 75 100
 110 31.6 17.6 52.8
 77 32.0 24.3 36.5

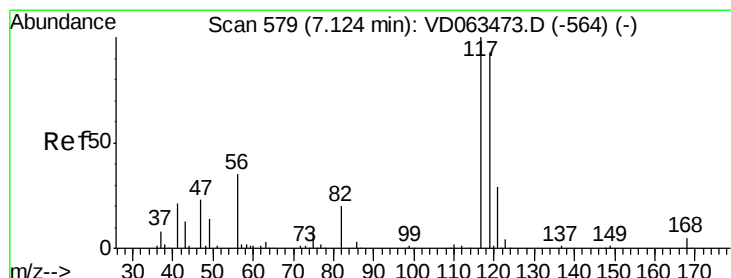
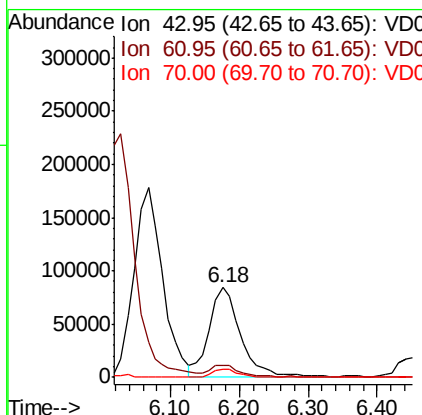
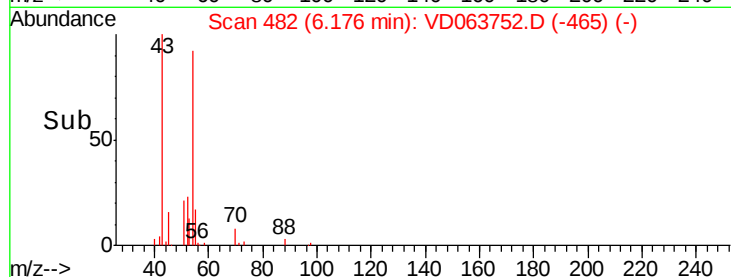
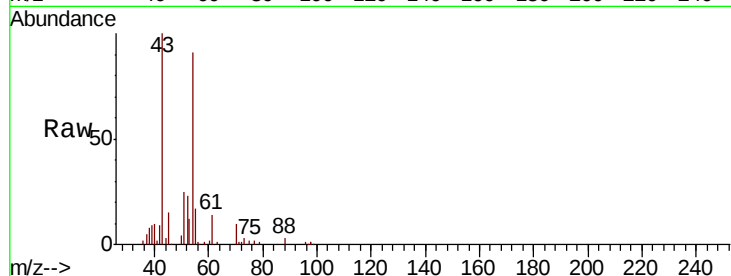




#37
Ethyl Acetate
Concen: 64.044 ug/l
RT: 6.18 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

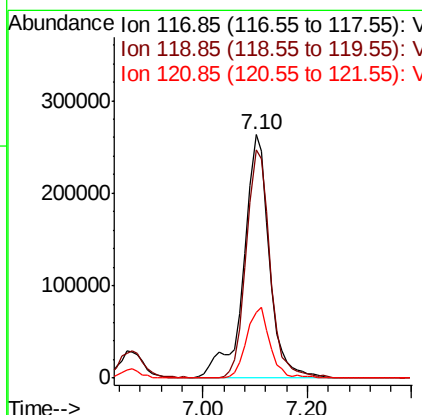
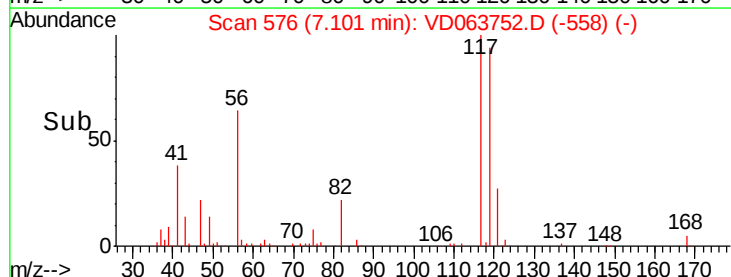
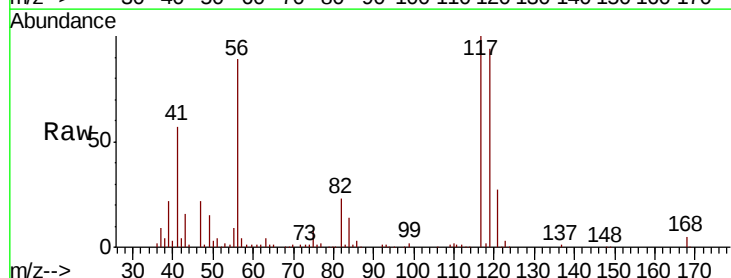
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 267383
Ion Ratio Lower Upper
43 100
61 13.8 9.0 13.6#
70 9.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 57.698 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 117 Resp: 866388
Ion Ratio Lower Upper
117 100
119 93.9 74.2 111.2
121 27.0 23.1 34.7

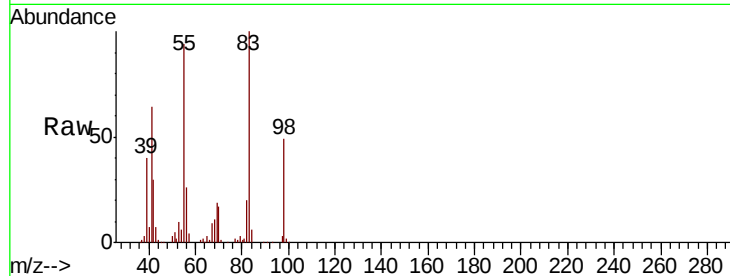




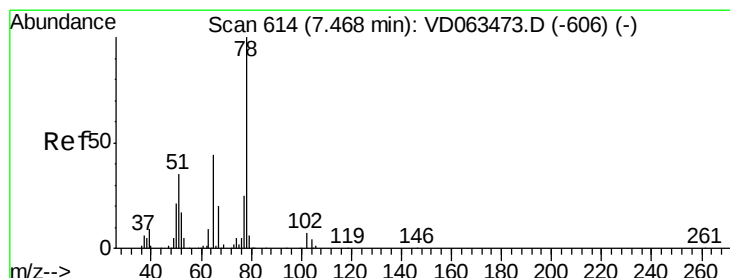
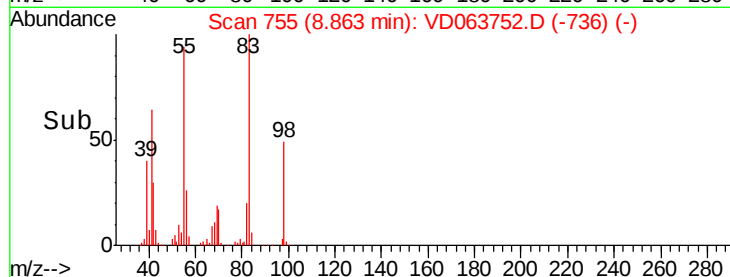
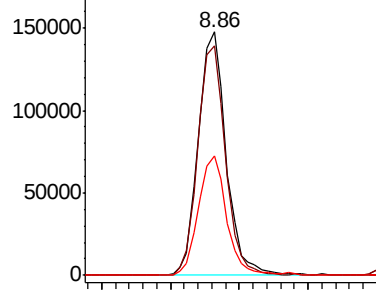
#39
Methylcyclohexane
Concen: 48.847 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 413842
Ion Ratio Lower Upper
83 100
55 94.3 76.6 114.8
98 49.0 39.4 59.0

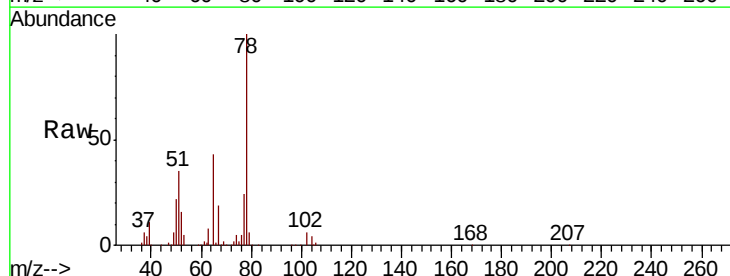


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

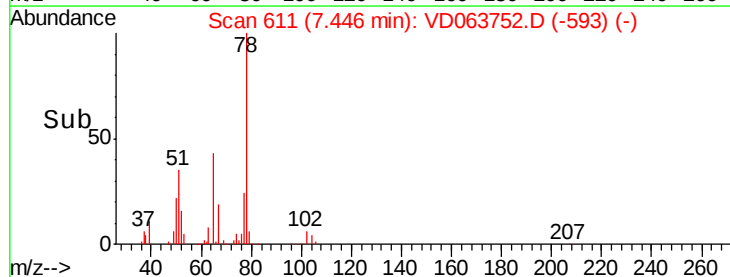
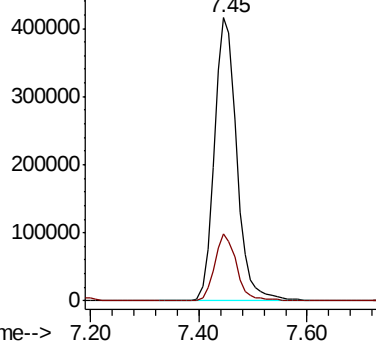


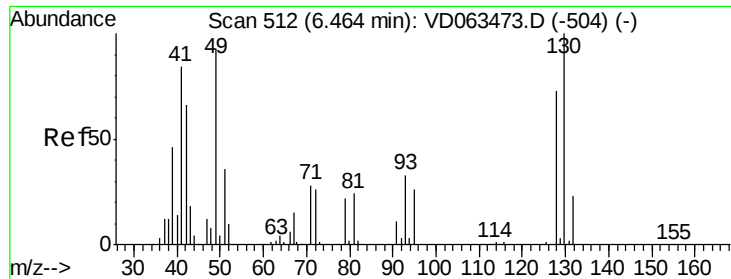
#40
Benzene
Concen: 54.285 ug/l
RT: 7.45 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 78 Resp: 1190252
Ion Ratio Lower Upper
78 100
77 23.7 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 63.497 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 333786

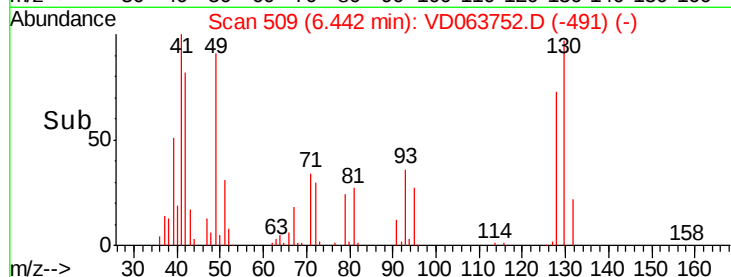
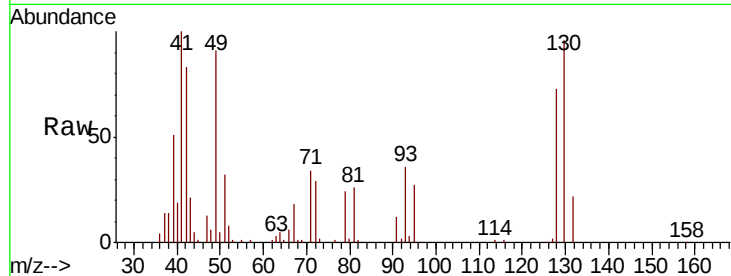
Ion Ratio Lower Upper

41 100

39 50.9 44.6 66.8

67 18.0 14.4 21.6

52 8.3 9.3 13.9#

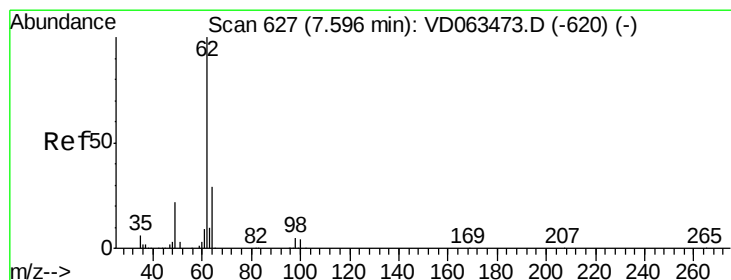
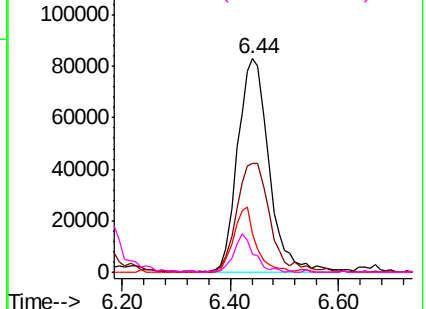


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 57.873 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.02 min

Lab File: VD063752.D

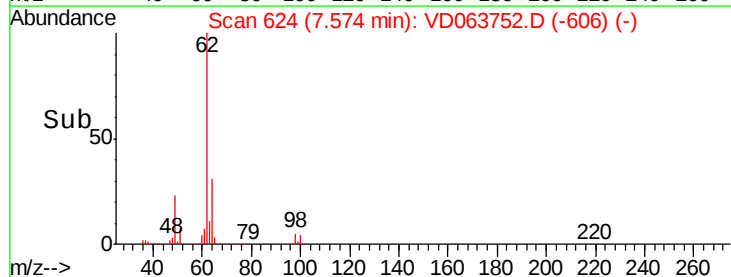
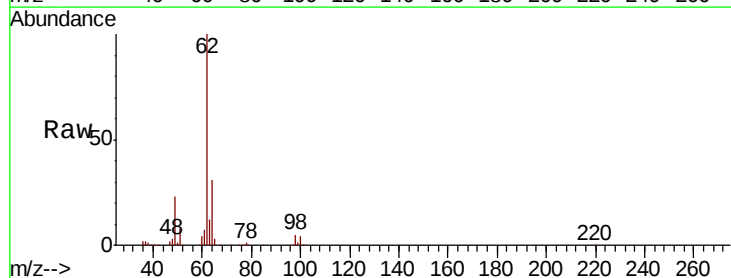
Acq: 22 Aug 2019 23:53

Tgt Ion: 62 Resp: 638049

Ion Ratio Lower Upper

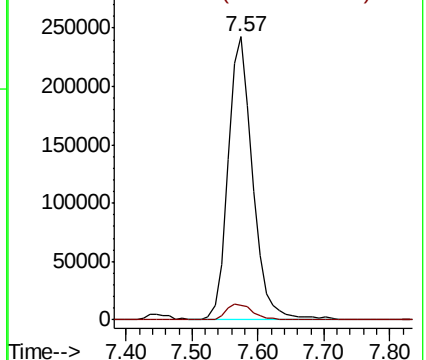
62 100

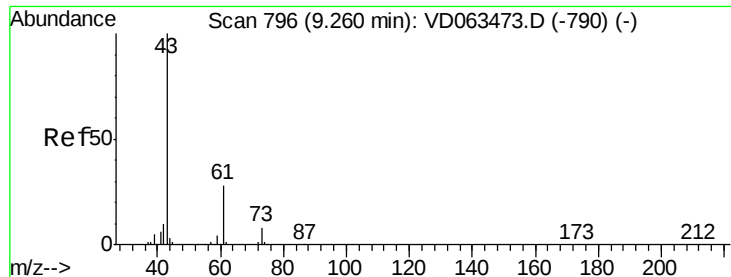
98 5.4 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

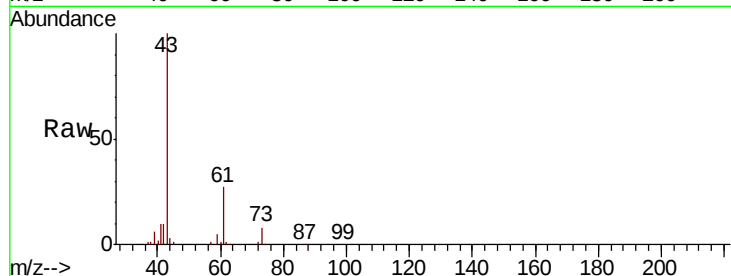




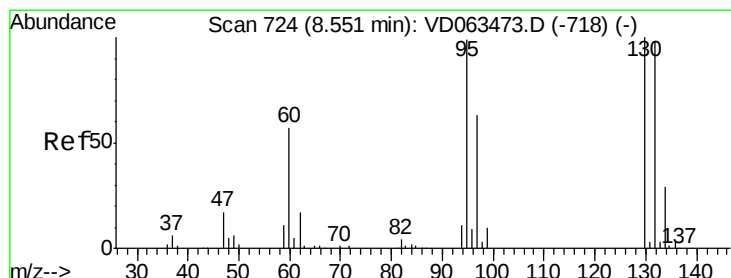
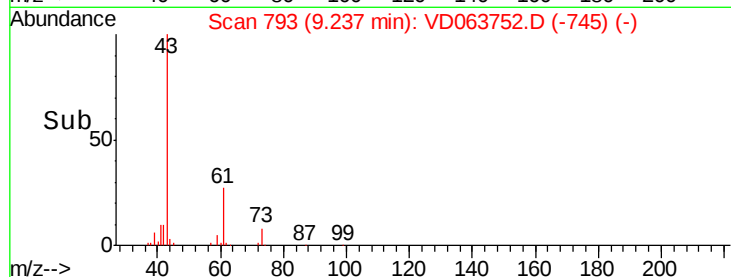
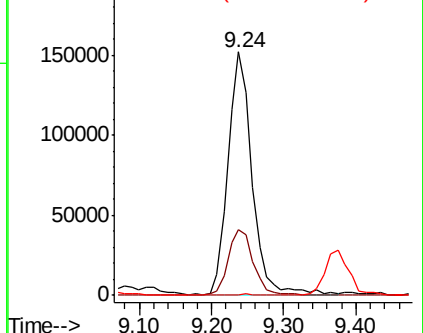
#43
Isopropyl Acetate
Concen: 62.589 ug/l
RT: 9.24 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 349975
Ion Ratio Lower Upper
43 100
61 26.8 22.2 33.2
87 0.3 0.2 0.4

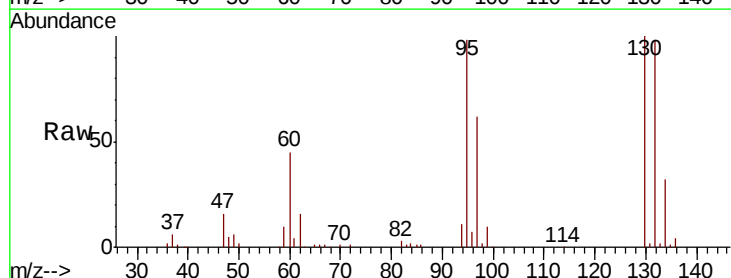


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

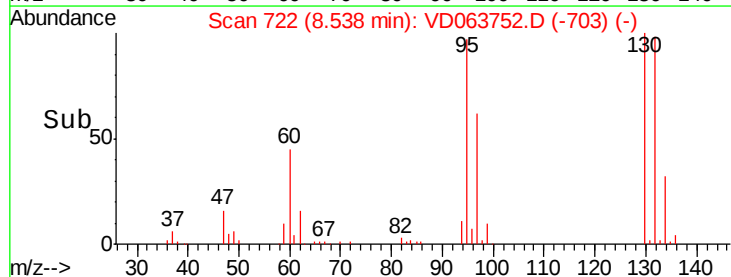
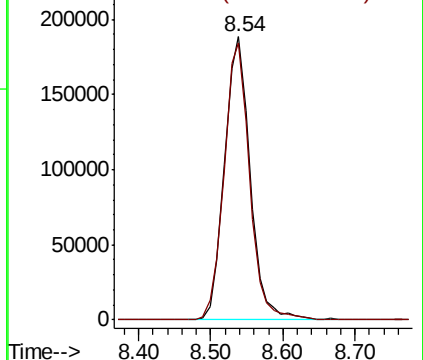


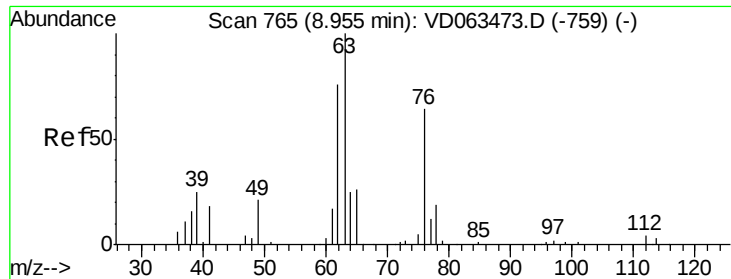
#44
Trichloroethene
Concen: 55.284 ug/l
RT: 8.54 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 130 Resp: 463310
Ion Ratio Lower Upper
130 100
95 97.7 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 57.807 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

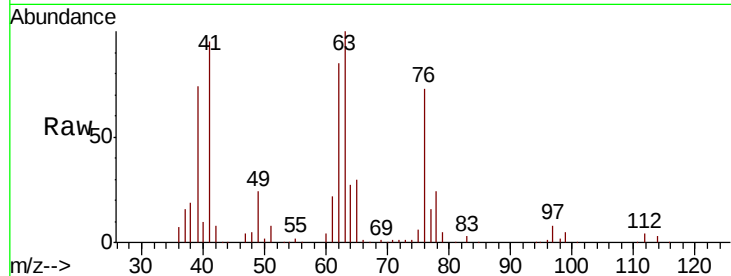
VSTDCCC050EC

Tgt Ion: 63 Resp: 295163

Ion Ratio Lower Upper

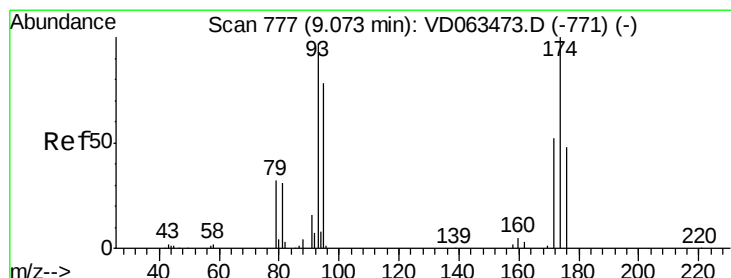
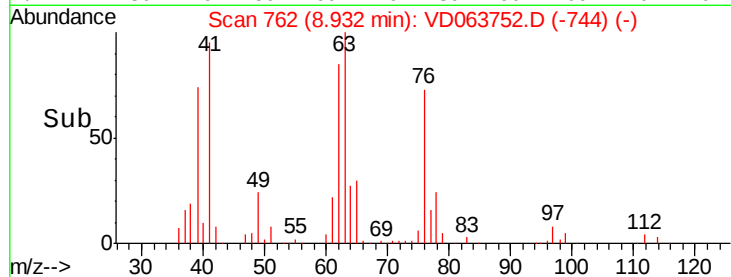
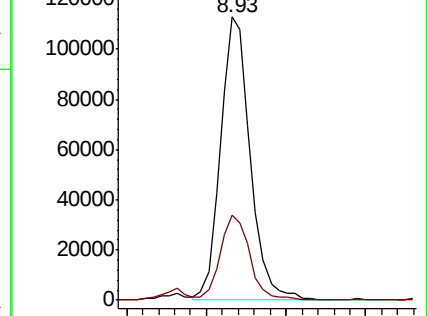
63 100

65 30.1 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 58.903 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

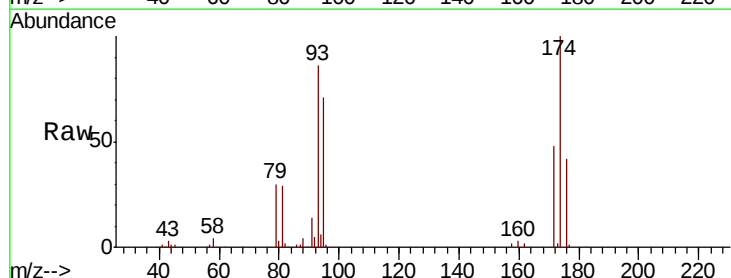
Tgt Ion: 93 Resp: 256843

Ion Ratio Lower Upper

93 100

95 82.6 64.2 96.2

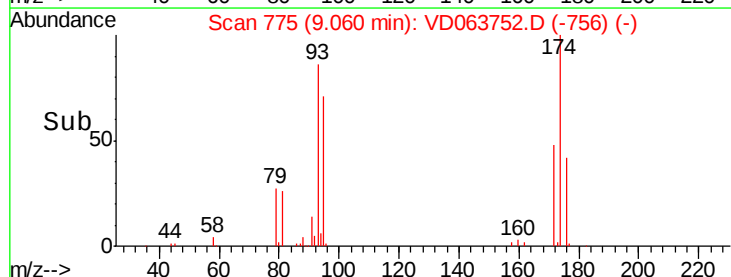
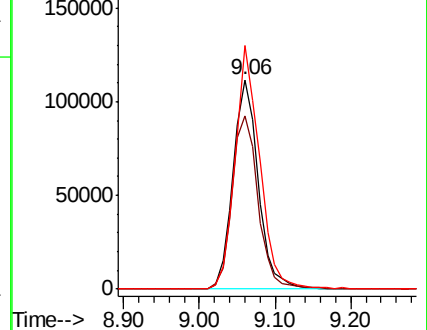
174 116.3 82.1 123.1

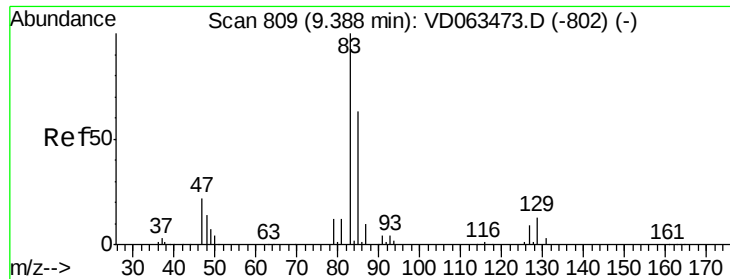


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 59.181 ug/l

RT: 9.38 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

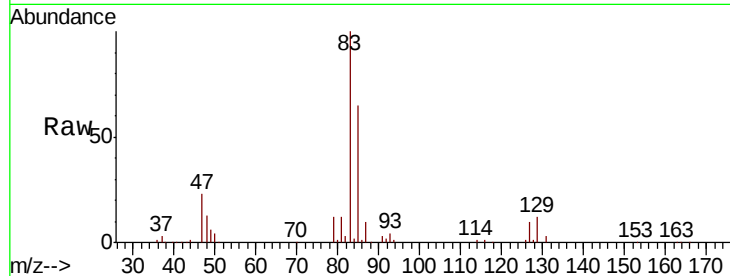
Tgt Ion: 83 Resp: 661938

Ion Ratio Lower Upper

83 100

85 64.5 50.1 75.1

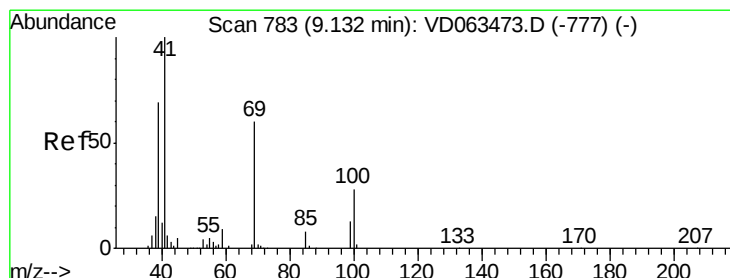
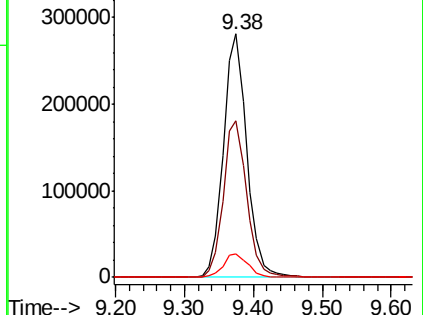
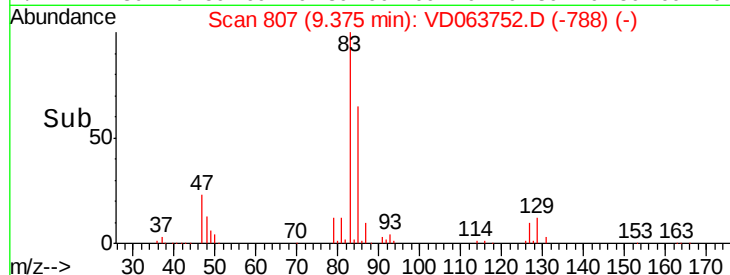
127 9.5 7.6 11.4



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: 64.240 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

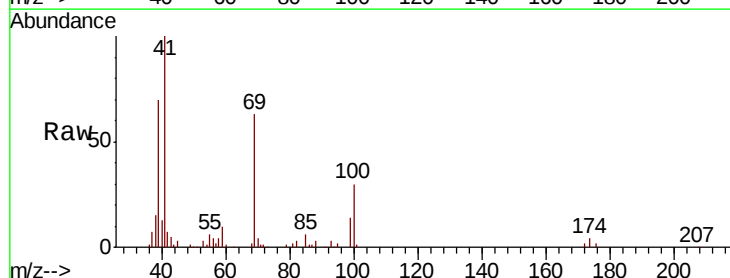
Tgt Ion: 41 Resp: 243605

Ion Ratio Lower Upper

41 100

69 63.0 47.6 71.4

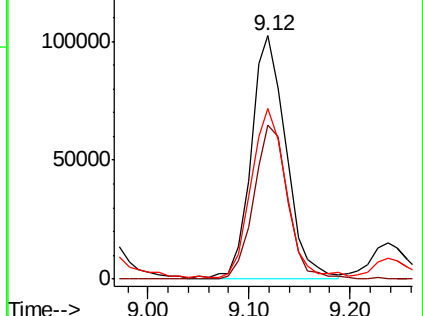
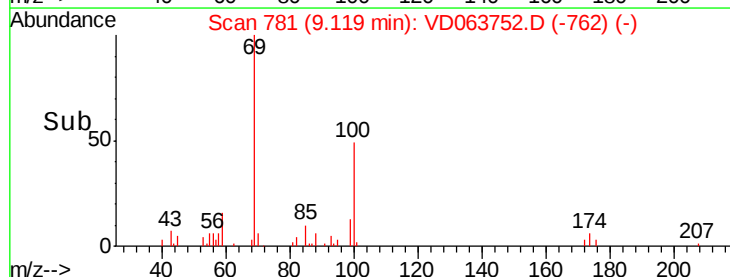
39 70.3 55.7 83.5

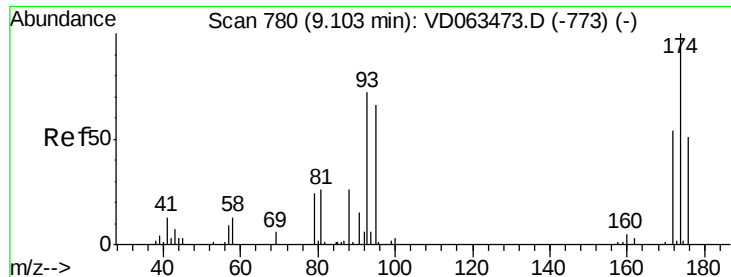


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

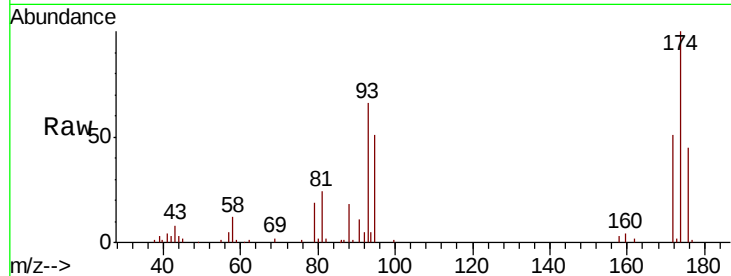




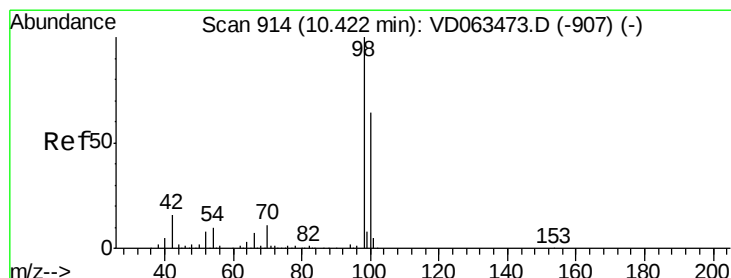
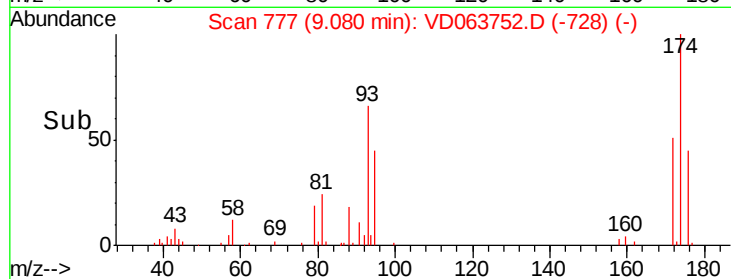
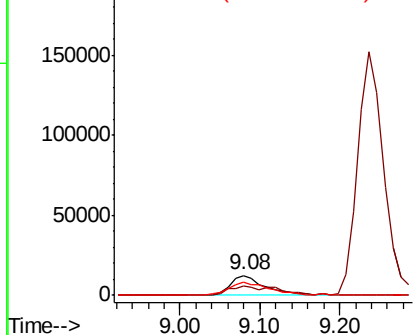
#49
1,4-Dioxane
Concen: 1138.961 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 38688
Ion Ratio Lower Upper
88 100
43 44.5 22.9 34.3#
58 65.7 40.1 60.1#

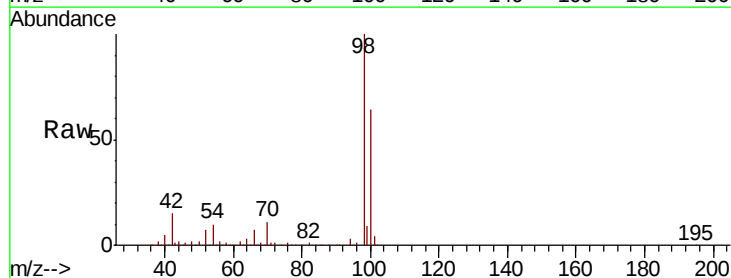


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

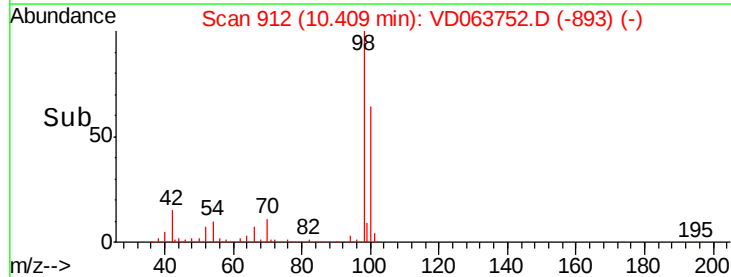
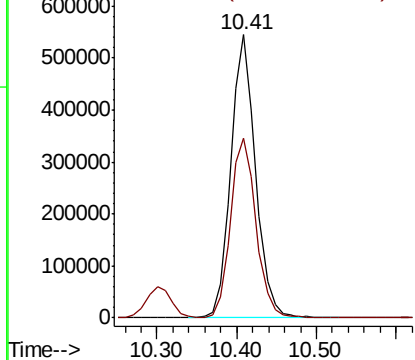


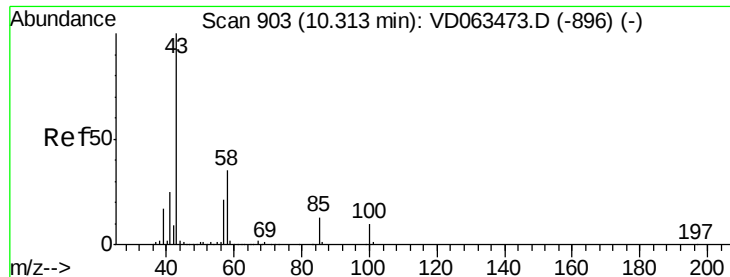
#50
Toluene-d8
Concen: 56.556 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 98 Resp: 1180257
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

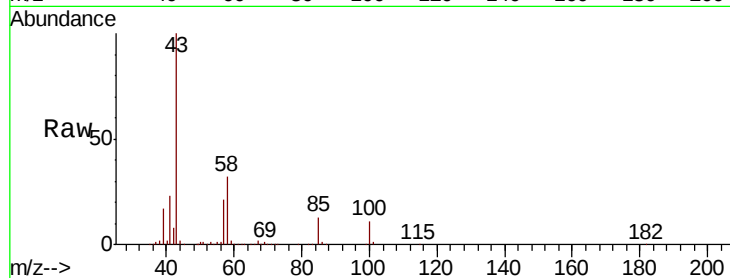




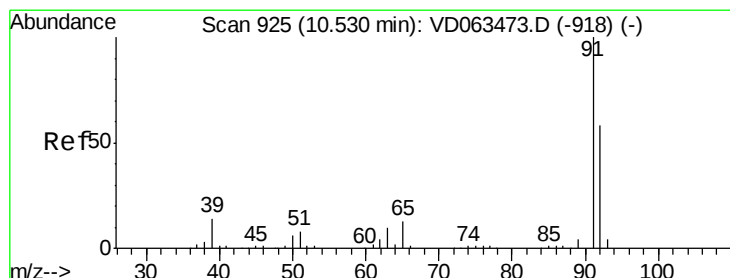
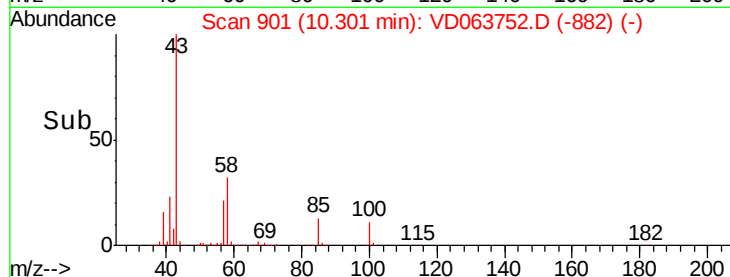
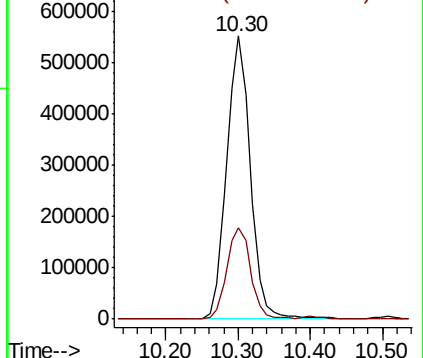
#51
 4-Methyl-2-Pentanone
 Concen: 331.008 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1266500
 Ion Ratio Lower Upper
 43 100
 58 32.1 28.0 42.0

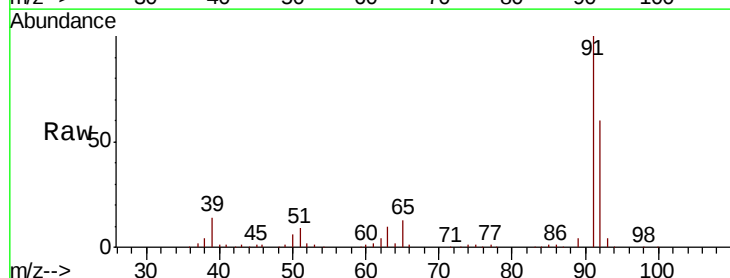


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

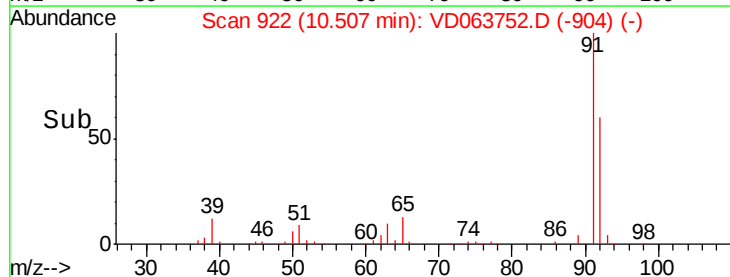
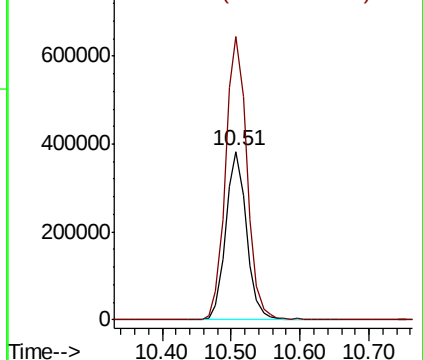


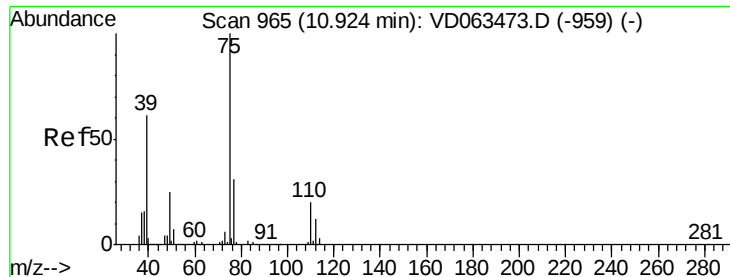
#52
 Toluene
 Concen: 56.558 ug/l
 RT: 10.51 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 92 Resp: 798735
 Ion Ratio Lower Upper
 92 100
 91 167.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC

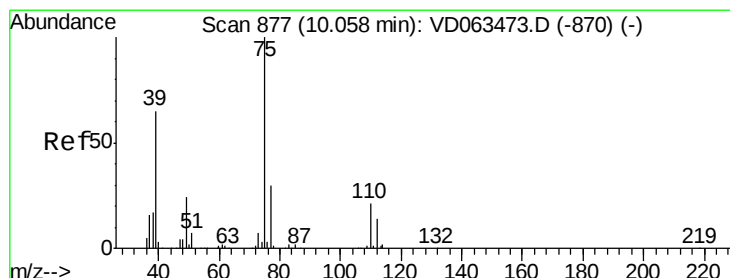
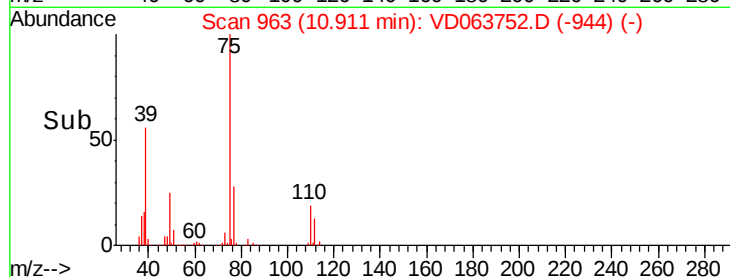
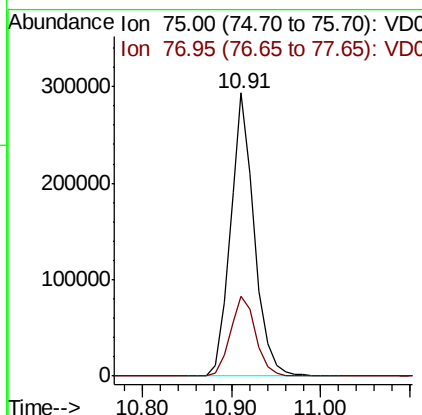
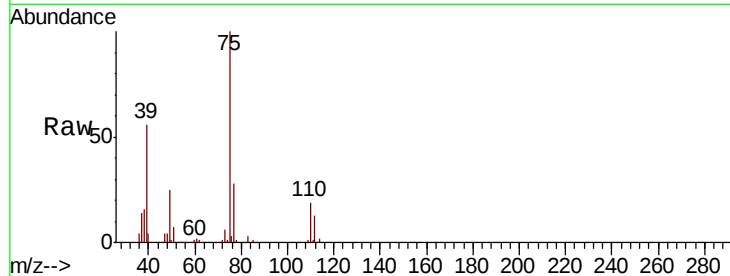




#53
 t-1,3-Dichloropropene
 Concen: 59.879 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

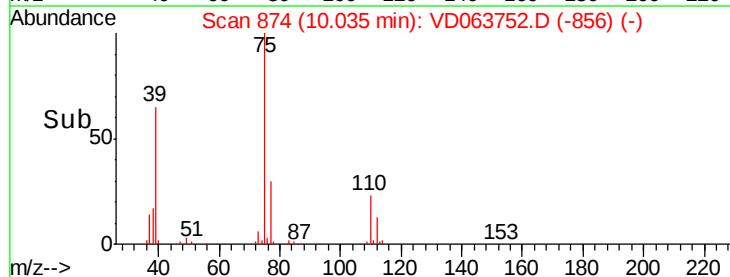
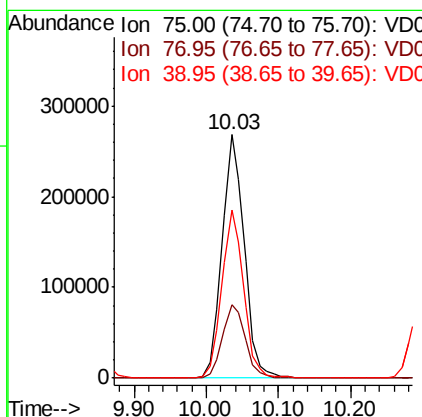
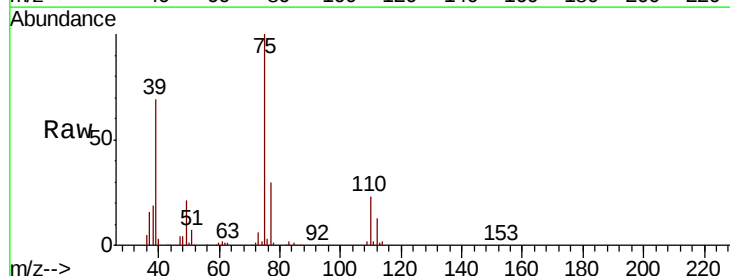
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

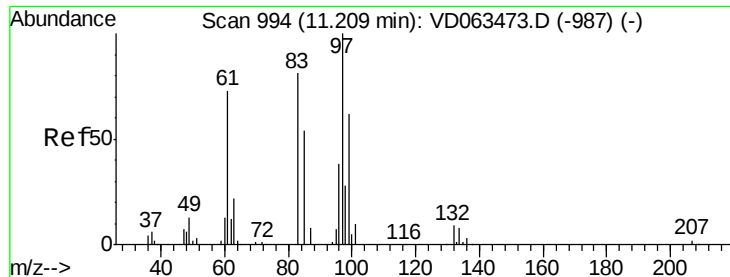
Tgt Ion: 75 Resp: 546575
 Ion Ratio Lower Upper
 75 100
 77 28.3 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 55.509 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 75 Resp: 571326
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.7 35.5
 39 69.3 52.2 78.4

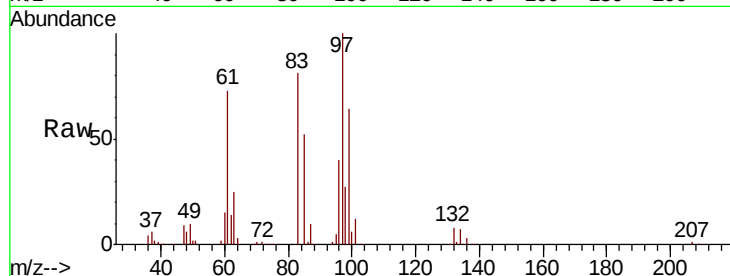




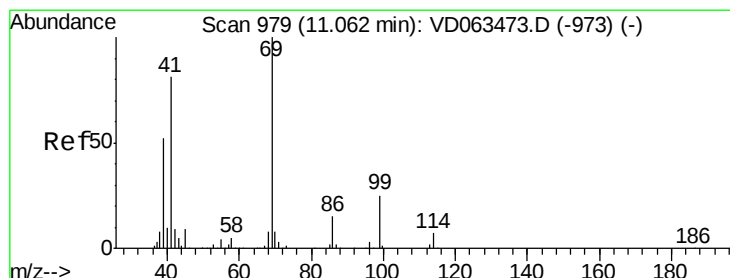
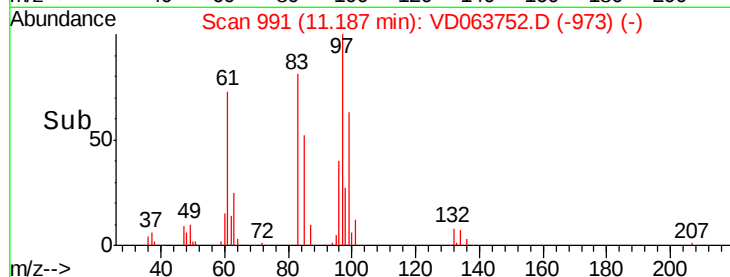
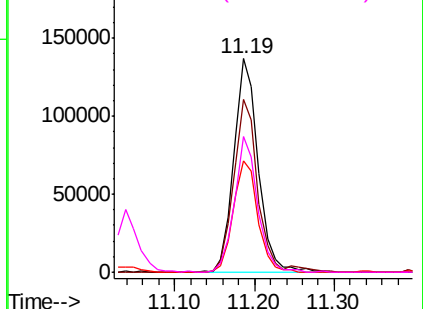
#55
 1,1,2-Trichloroethane
 Concen: 61.227 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	292079
Ion	Ratio	Lower	Upper
97	100		
83	81.1	64.7	97.1
85	52.1	42.9	64.3
99	63.6	49.7	74.5

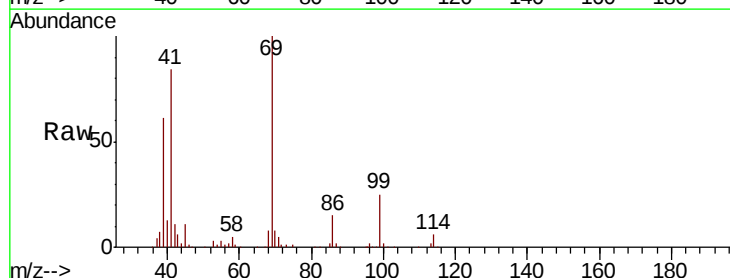


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

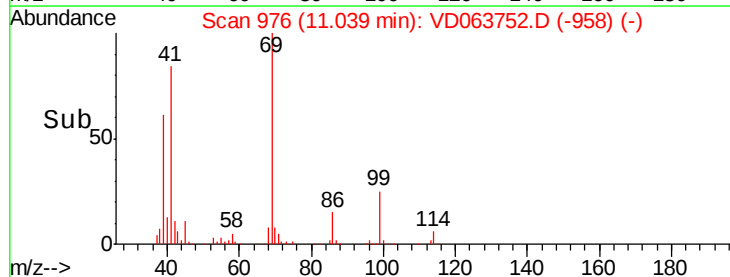
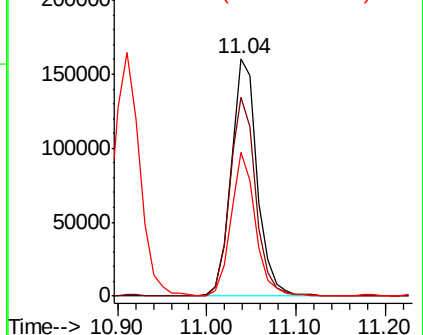


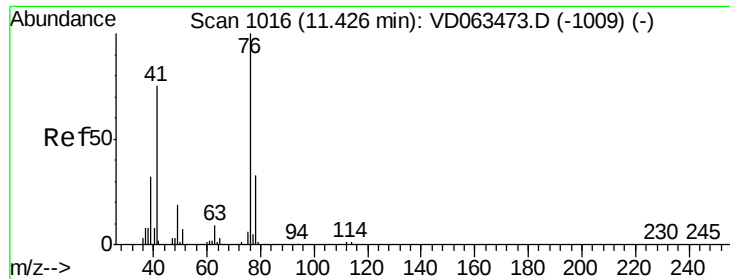
#56
 Ethyl methacrylate
 Concen: 63.543 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion:	69	Resp:	329016
Ion	Ratio	Lower	Upper
69	100		
41	84.0	64.8	97.2
39	60.7	42.4	63.6



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: 61.076 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

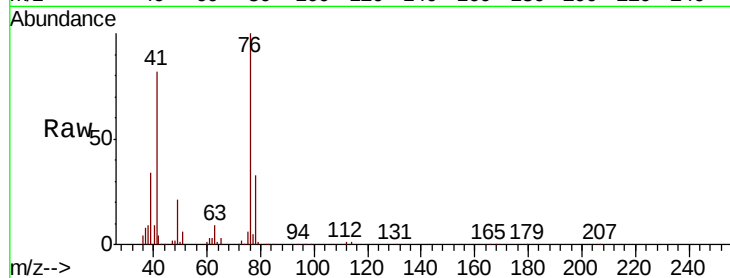
VSTDCCC050EC

Tgt Ion: 76 Resp: 440415

Ion Ratio Lower Upper

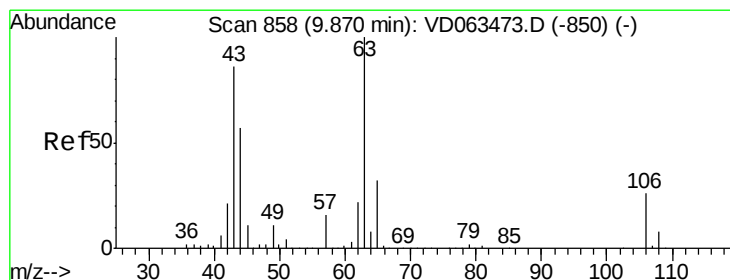
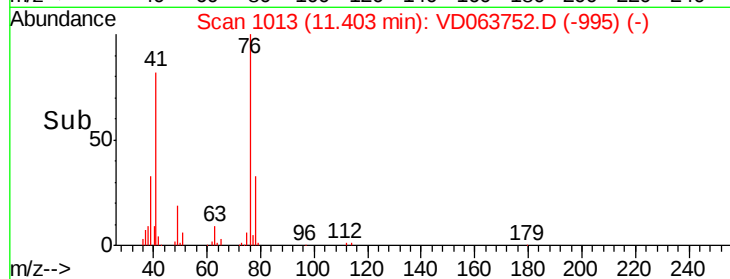
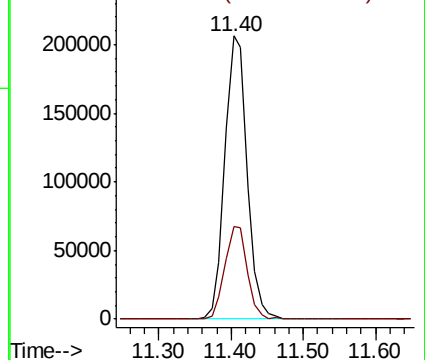
76 100

78 32.6 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 342.622 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063752.D

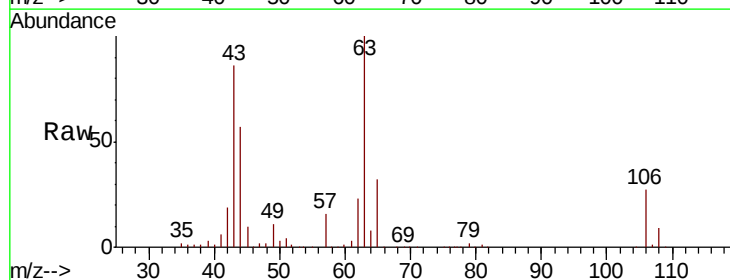
Acq: 22 Aug 2019 23:53

Tgt Ion: 63 Resp: 936579

Ion Ratio Lower Upper

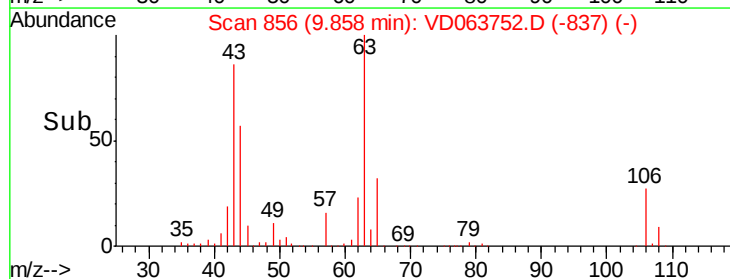
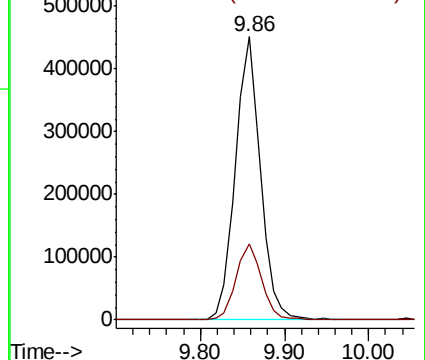
63 100

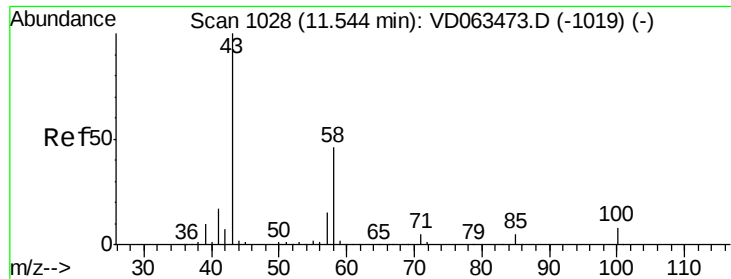
106 26.8 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

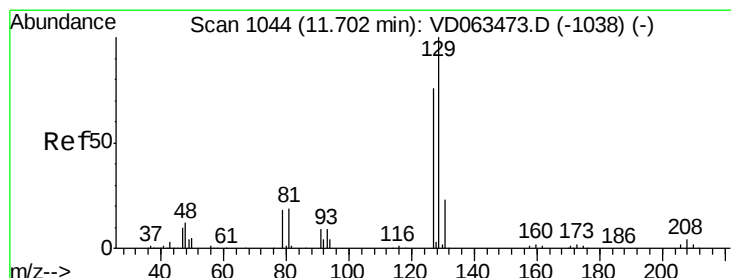
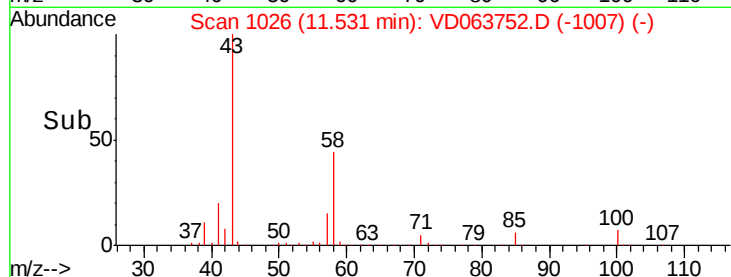
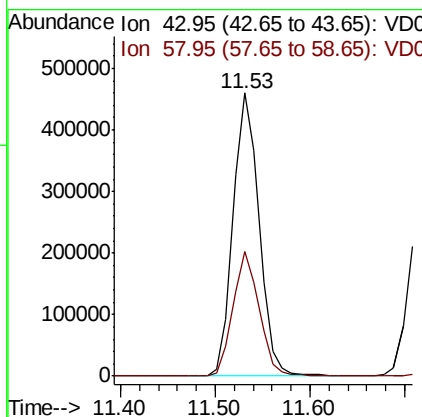
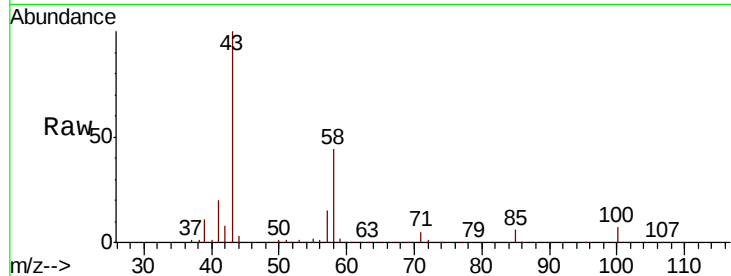




#59
2-Hexanone
Concen: 314.304 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

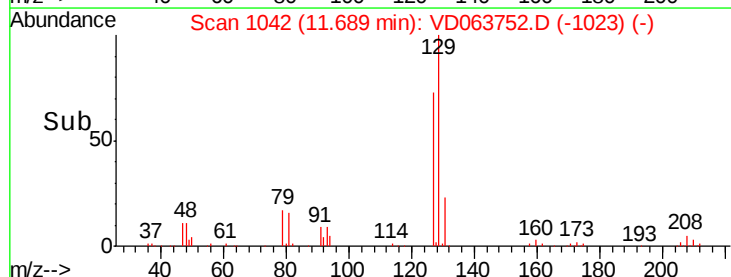
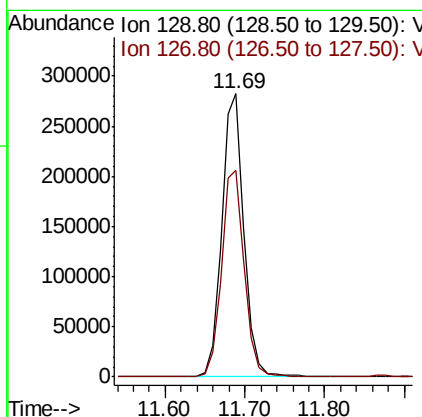
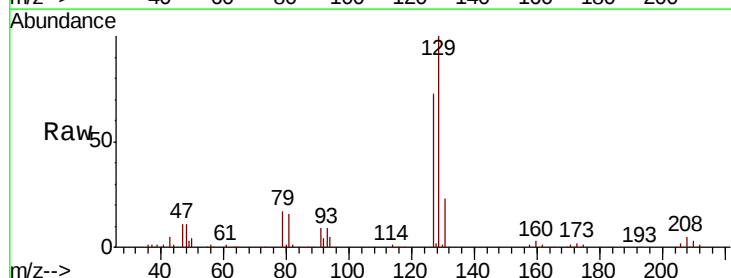
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

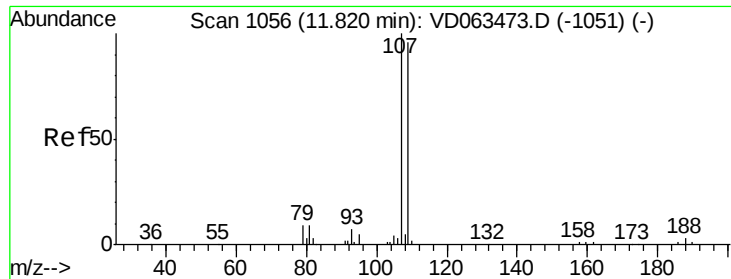
Tgt Ion: 43 Resp: 875035
Ion Ratio Lower Upper
43 100
58 43.9 23.1 69.2



#60
Dibromochloromethane
Concen: 63.225 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 129 Resp: 548834
Ion Ratio Lower Upper
129 100
127 73.0 37.8 113.4

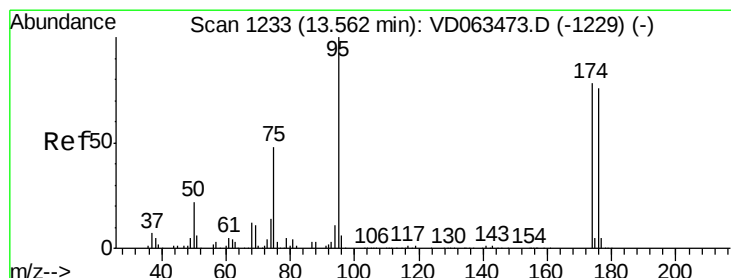
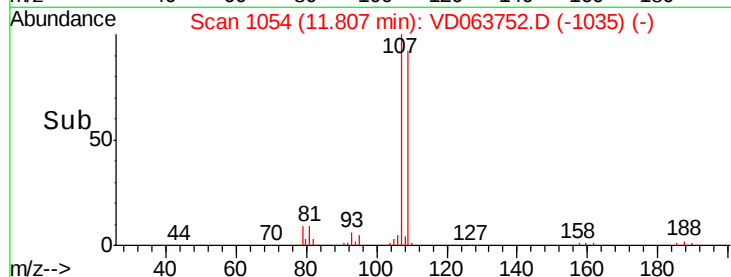
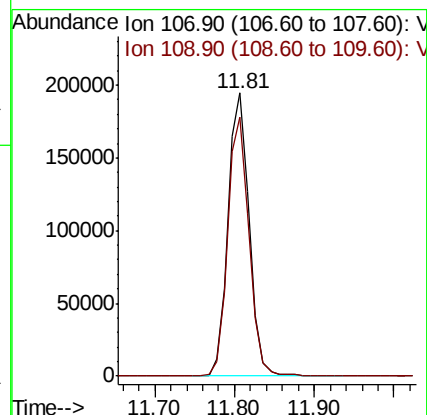
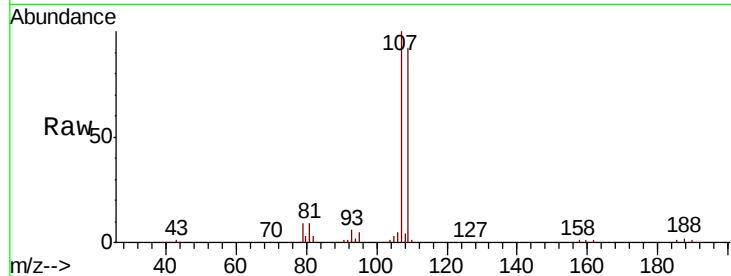




#61
 1,2-Dibromoethane
 Concen: 63.051 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

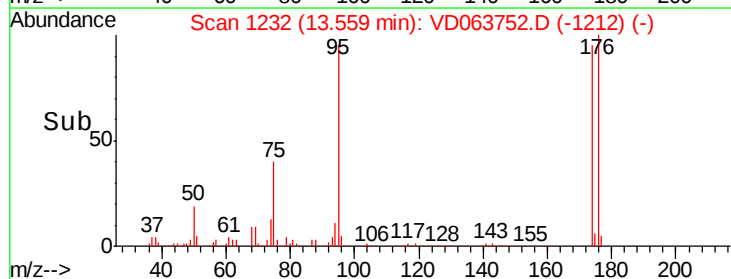
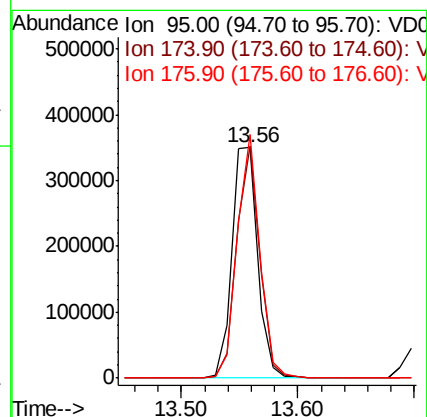
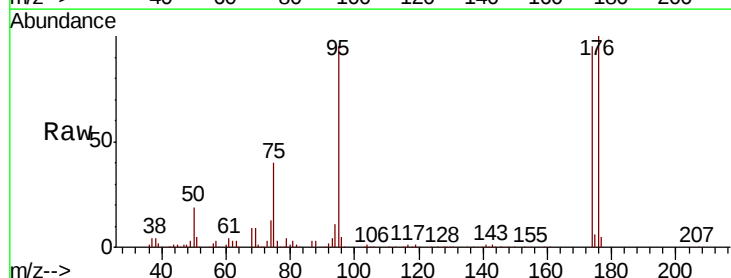
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 364120
 Ion Ratio Lower Upper
 107 100
 109 91.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 56.792 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 95 Resp: 537174
 Ion Ratio Lower Upper
 95 100
 174 100.4 0.0 155.4
 176 105.6 0.0 152.4

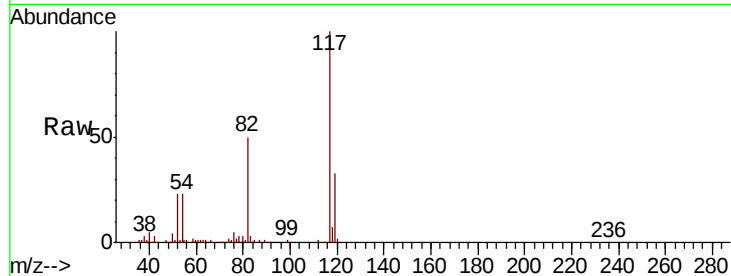




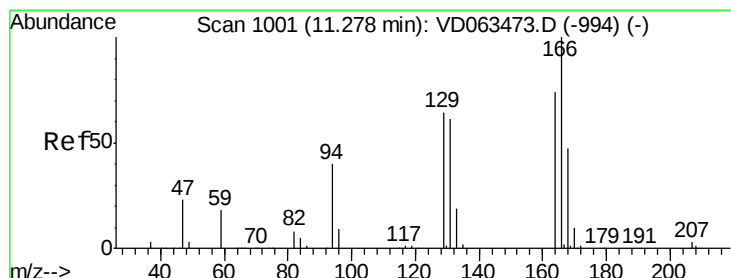
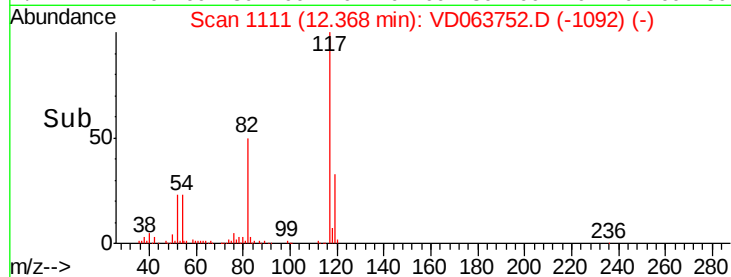
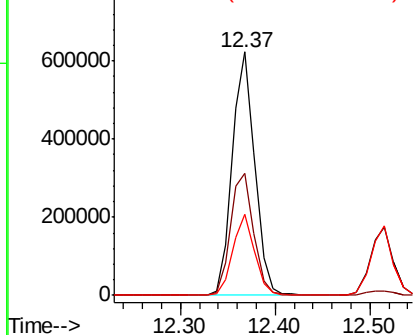
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1025842
Ion Ratio Lower Upper
117 100
82 50.1 42.0 63.0
119 33.3 25.4 38.0

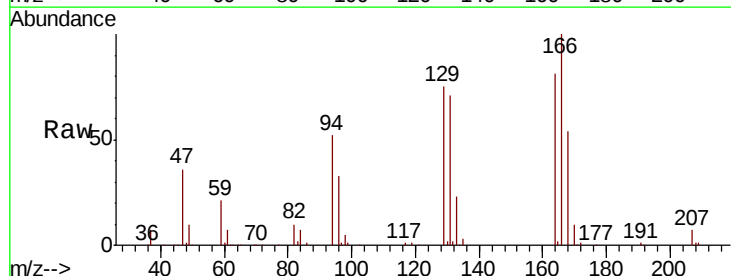


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

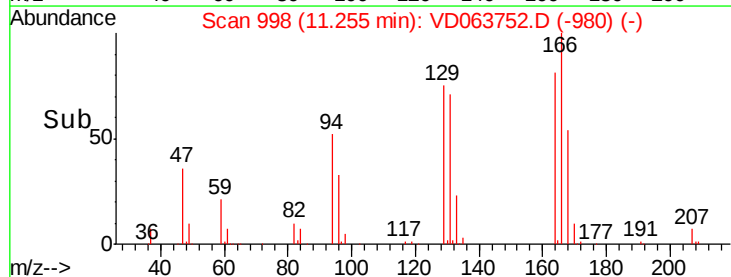
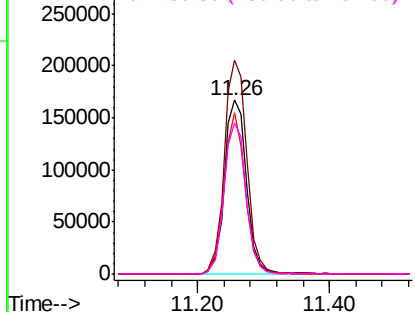


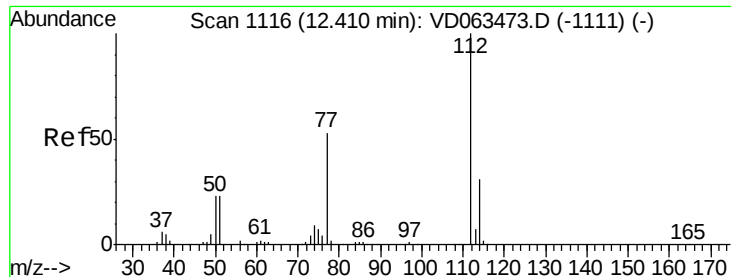
#64
Tetrachloroethene
Concen: 49.342 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion:164 Resp: 390754
Ion Ratio Lower Upper
164 100
166 123.1 108.6 163.0
129 92.9 69.0 103.6
131 86.8 66.6 99.8



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





#65

Chlorobenzene

Concen: 51.963 ug/l

RT: 12.40 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

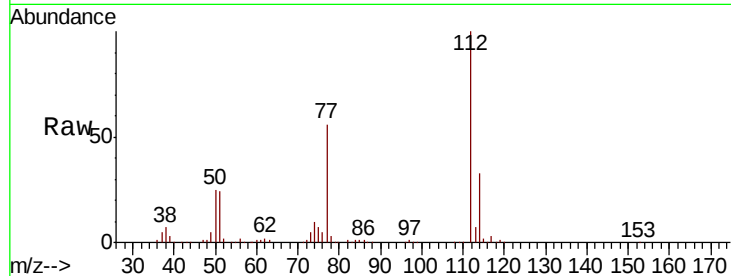
VSTDCCC050EC

Tgt Ion:112 Resp: 999083

Ion Ratio Lower Upper

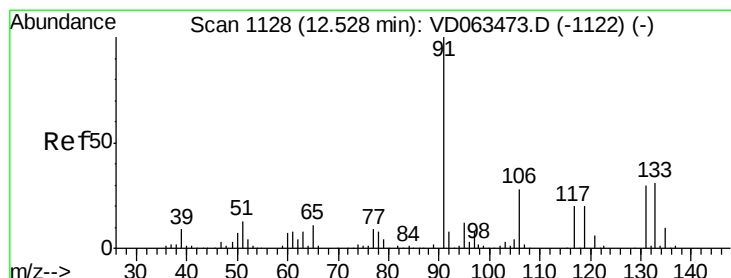
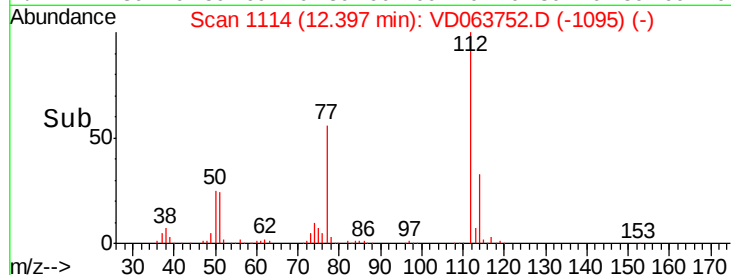
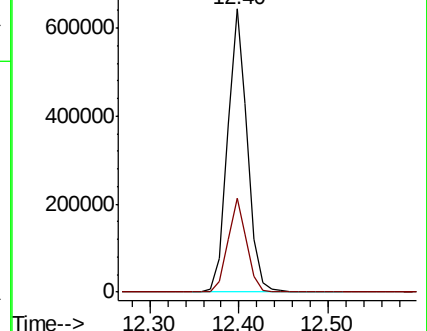
112 100

114 33.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.912 ug/l

RT: 12.52 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

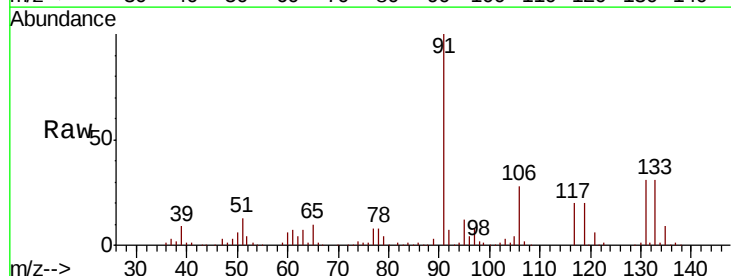
Tgt Ion:131 Resp: 447720

Ion Ratio Lower Upper

131 100

133 101.0 51.1 153.3

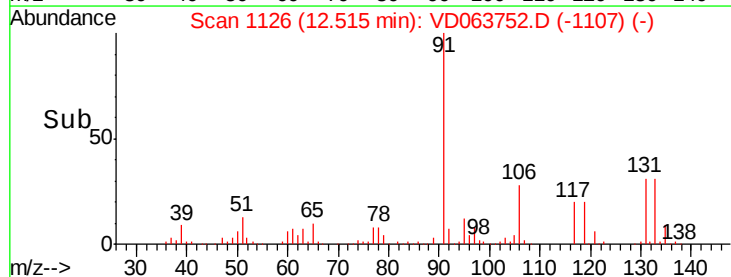
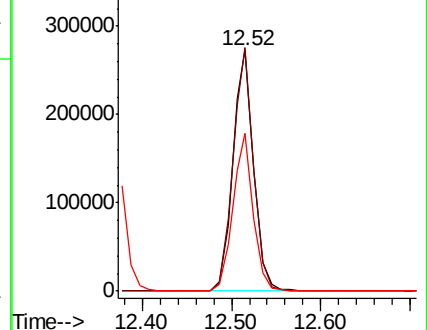
119 65.5 33.1 99.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

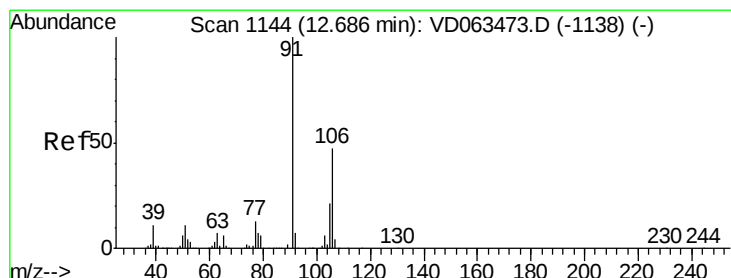
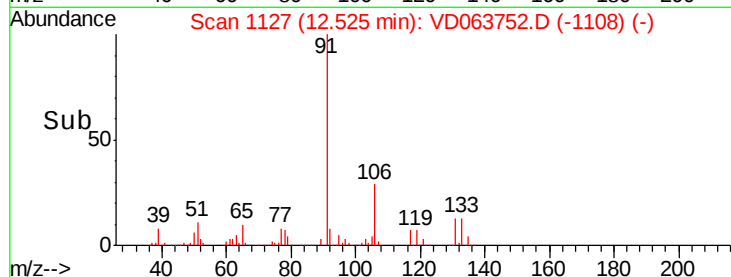
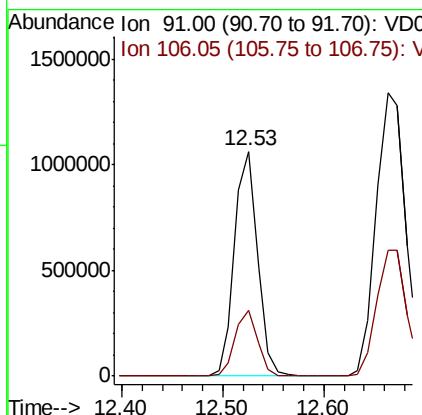
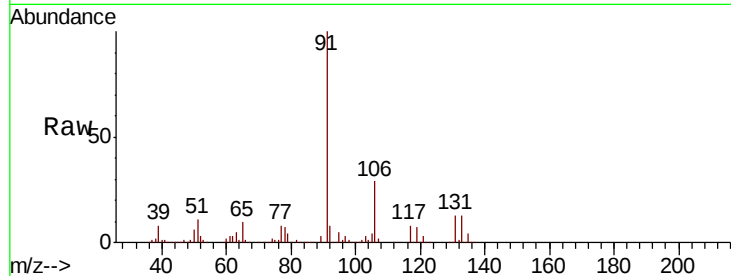




#67
Ethyl Benzene
Concen: 50.600 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

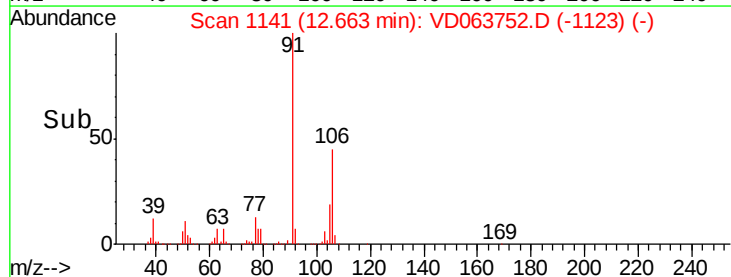
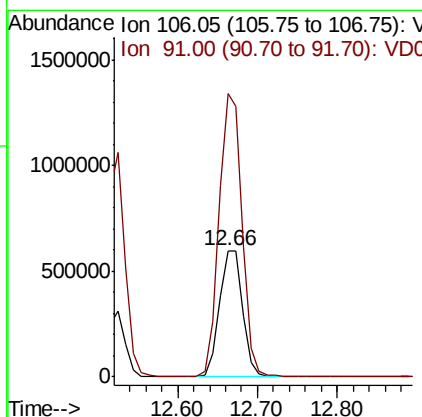
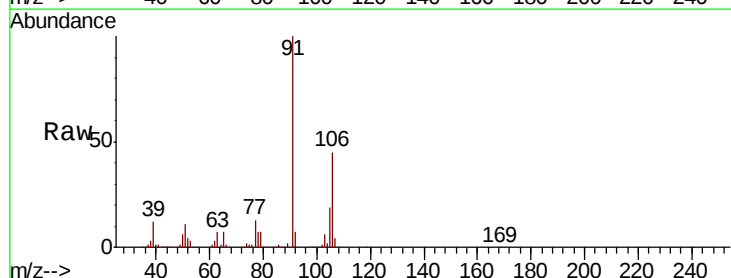
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

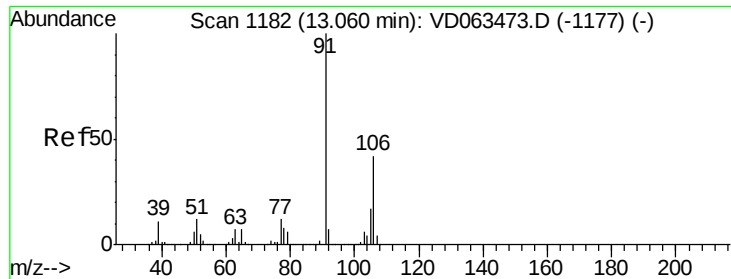
Tgt Ion: 91 Resp: 1691587
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7



#68
m/p-Xylenes
Concen: 104.529 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion: 106 Resp: 1227718
Ion Ratio Lower Upper
106 100
91 223.8 171.8 257.8

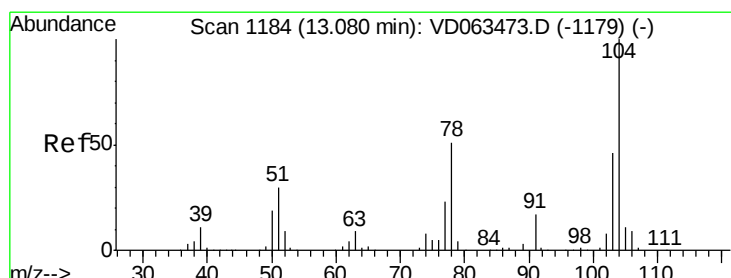
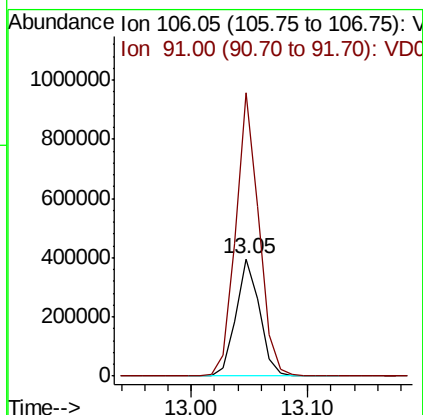
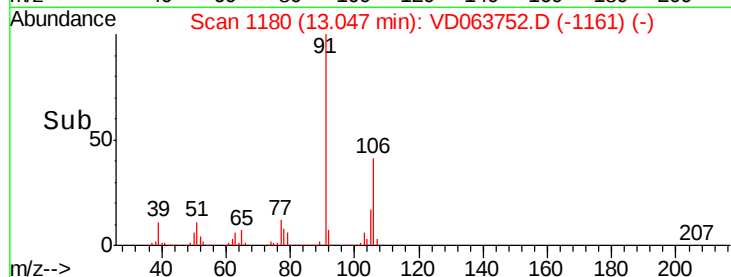
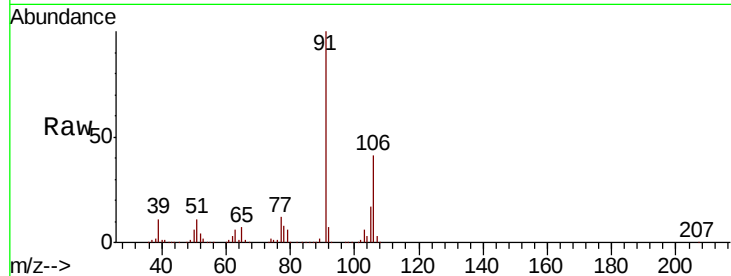




#69
o-Xylene
Concen: 49.479 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

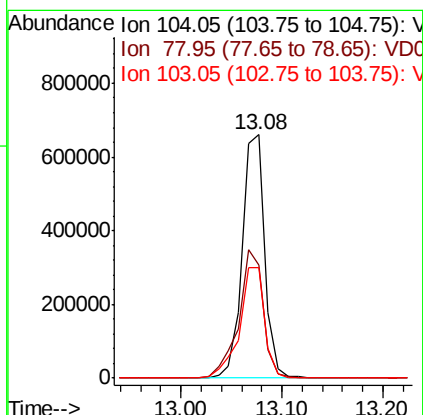
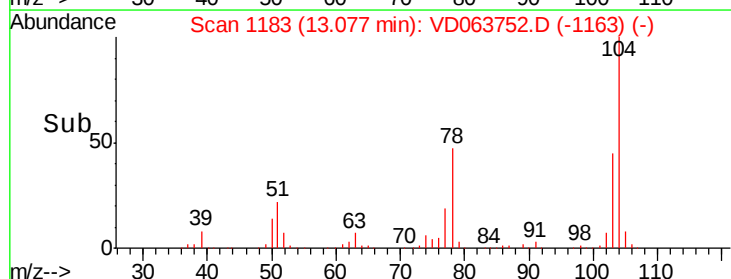
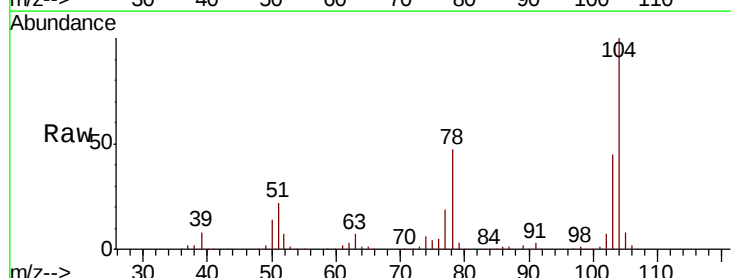
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

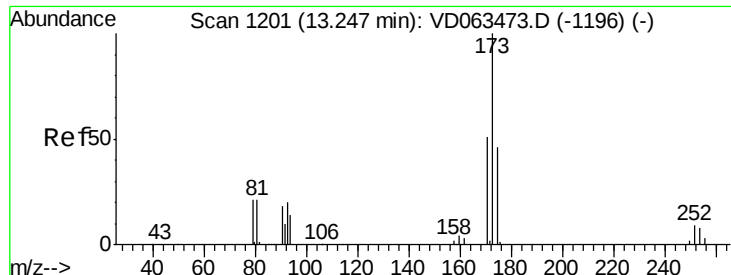
Tgt Ion:106 Resp: 559322
Ion Ratio Lower Upper
106 100
91 241.0 118.1 354.2



#70
Styrene
Concen: 51.012 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion:104 Resp: 1025750
Ion Ratio Lower Upper
104 100
78 46.7 40.8 61.2
103 45.4 36.4 54.6





#71

Bromoform

Concen: 59.197 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

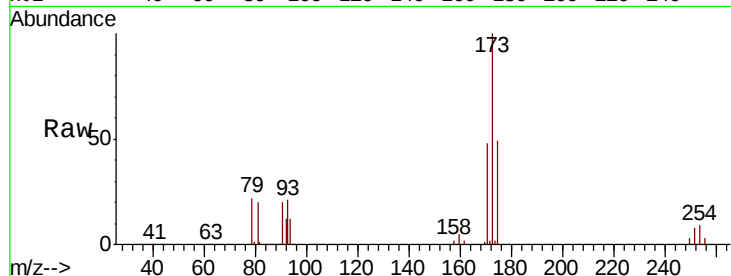
Tgt Ion:173 Resp: 343465

Ion Ratio Lower Upper

173 100

175 48.8 22.8 68.3

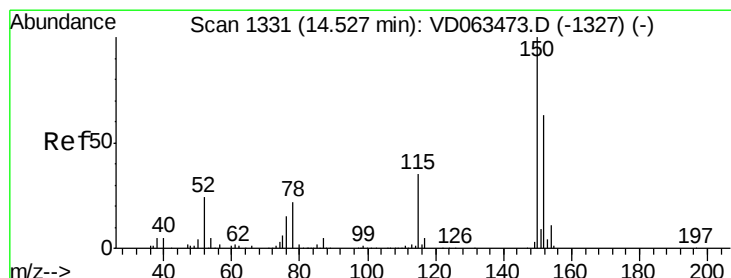
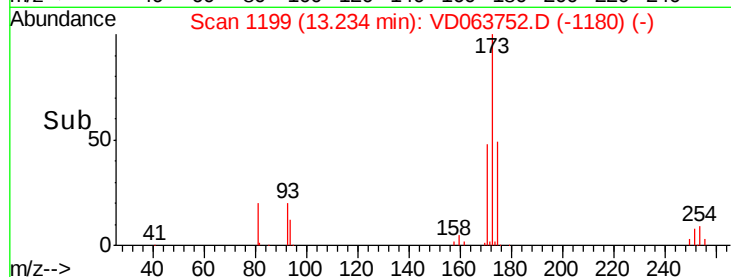
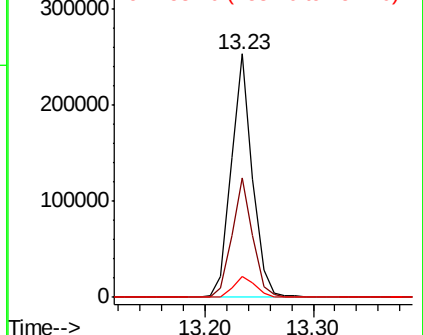
254 8.5 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

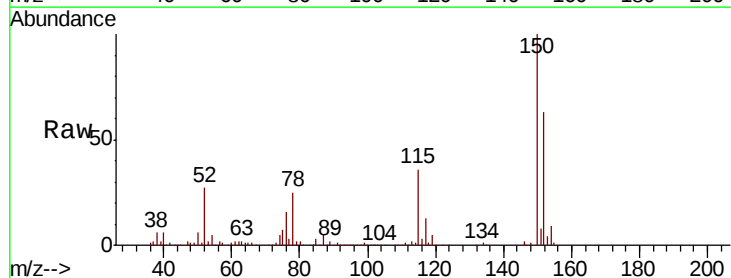
Tgt Ion:152 Resp: 533075

Ion Ratio Lower Upper

152 100

115 57.9 30.9 92.7

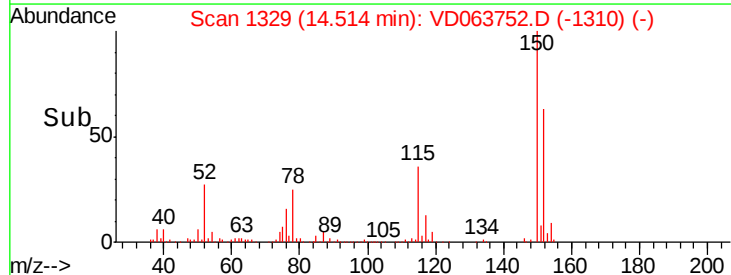
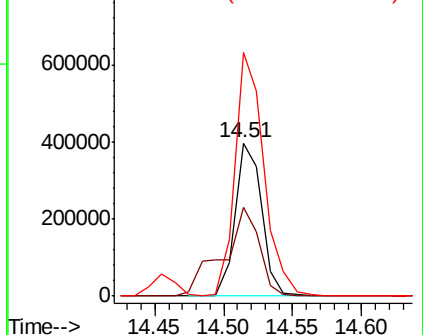
150 159.3 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.421 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

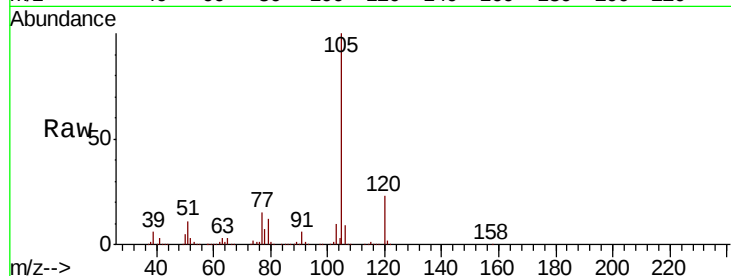
VSTDCCC050EC

Tgt Ion:105 Resp: 1777400

Ion Ratio Lower Upper

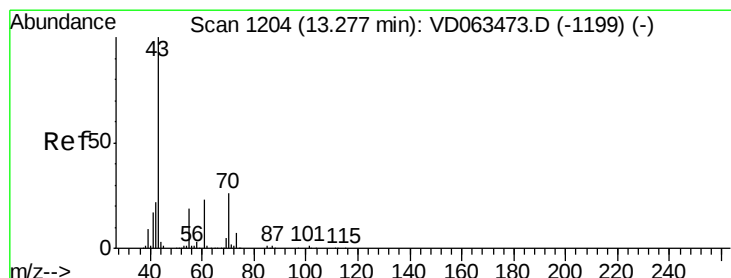
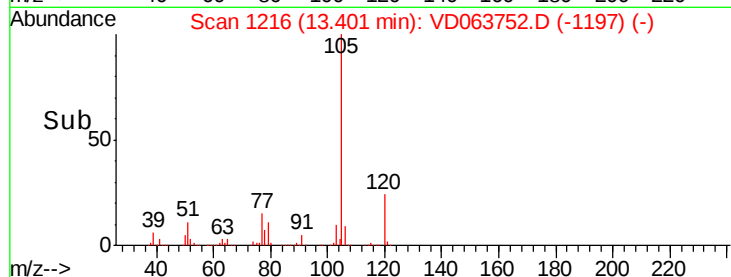
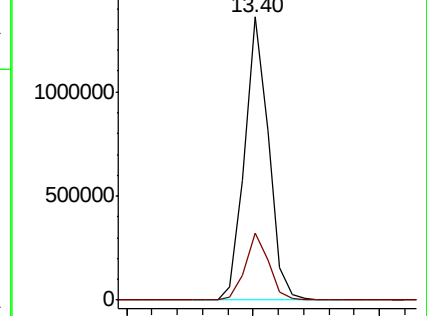
105 100

120 23.5 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 62.125 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Tgt Ion: 43 Resp: 528784

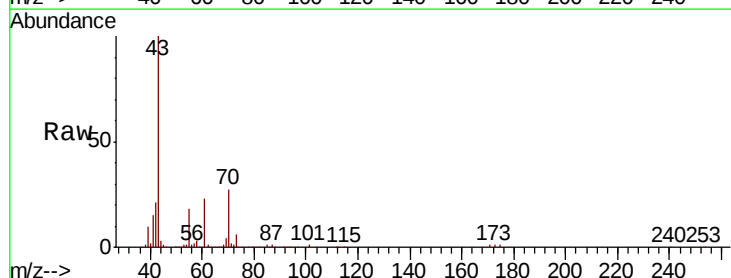
Ion Ratio Lower Upper

43 100

70 27.2 21.1 31.7

55 18.2 15.4 23.0

61 22.5 18.2 27.2

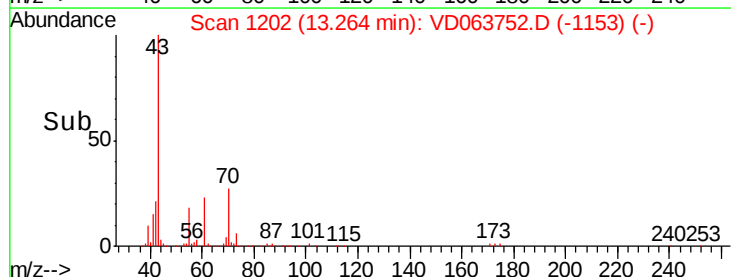
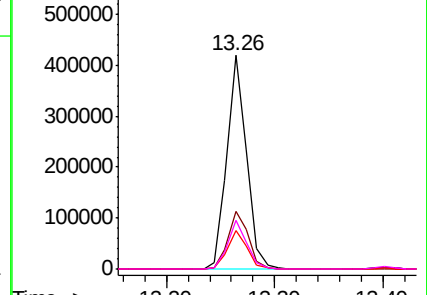


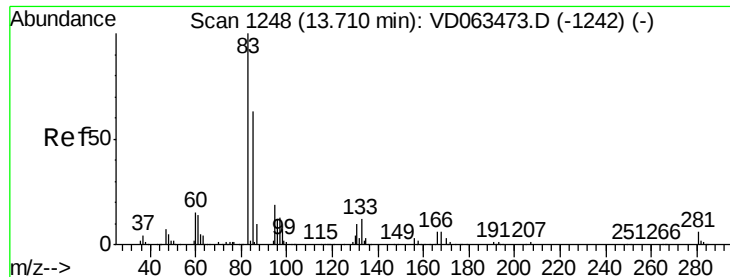
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 59.647 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

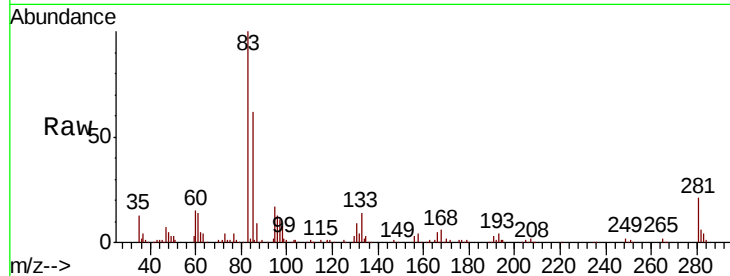
Tgt Ion: 83 Resp: 335682

Ion Ratio Lower Upper

83 100

131 8.9 5.3 15.8

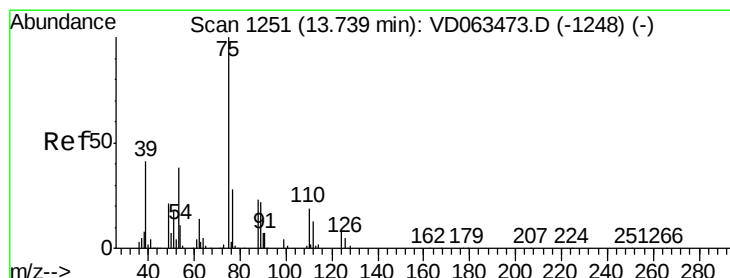
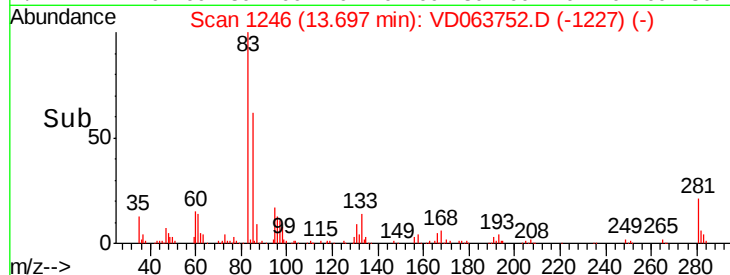
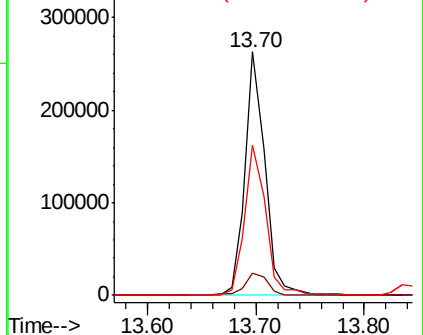
85 61.6 31.4 94.3



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: 57.167 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063752.D

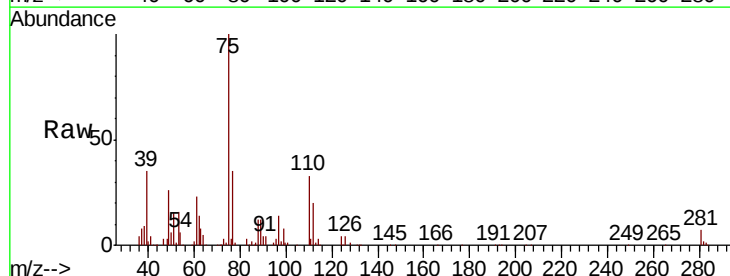
Acq: 22 Aug 2019 23:53

Tgt Ion: 75 Resp: 349746

Ion Ratio Lower Upper

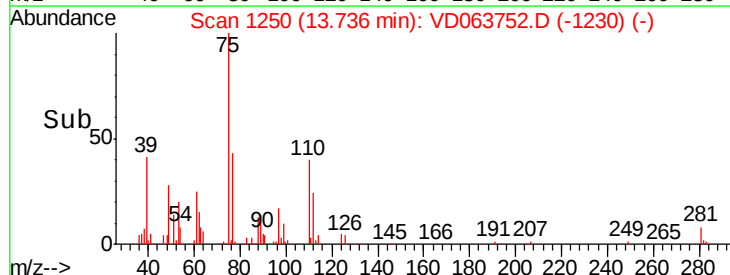
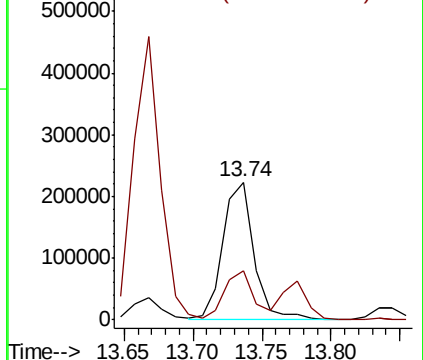
75 100

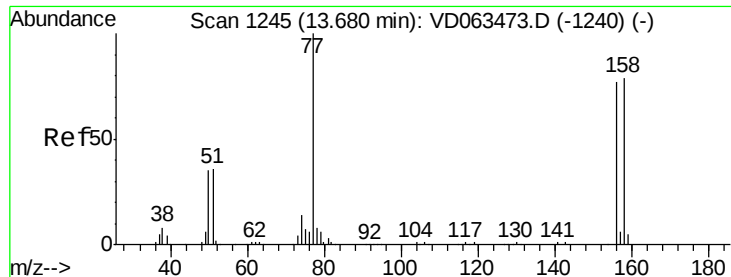
77 35.4 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.723 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

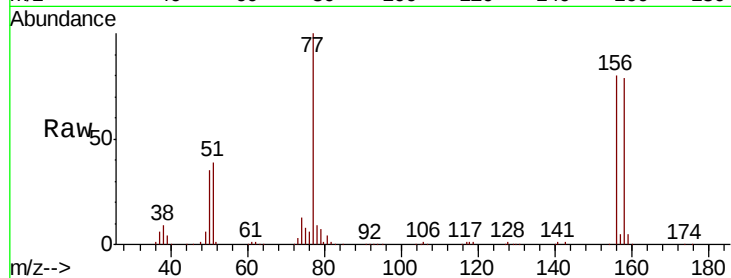
Tgt Ion:156 Resp: 507106

Ion Ratio Lower Upper

156 100

77 125.5 64.6 193.8

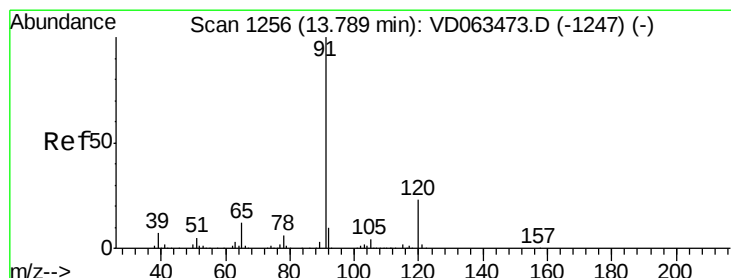
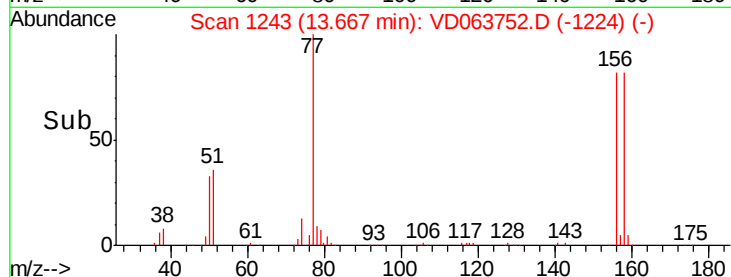
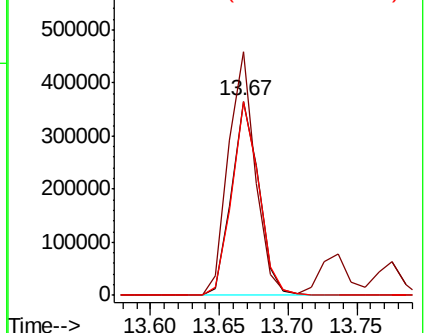
158 99.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.374 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063752.D

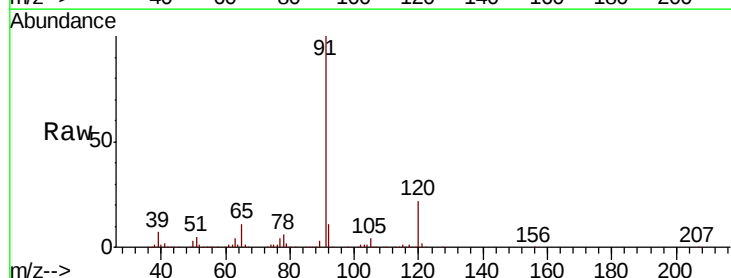
Acq: 22 Aug 2019 23:53

Tgt Ion: 91 Resp: 2077781

Ion Ratio Lower Upper

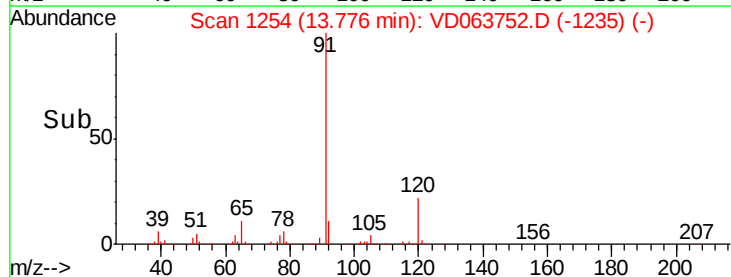
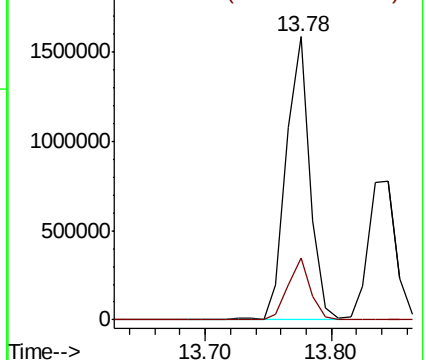
91 100

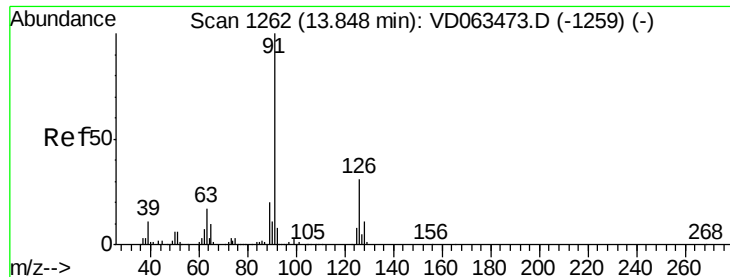
120 21.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.117 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

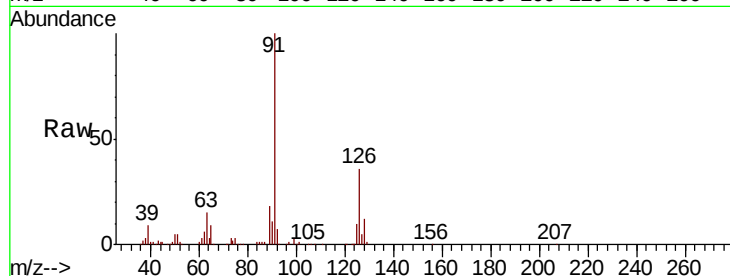
VSTDCCC050EC

Tgt Ion: 91 Resp: 1192114

Ion Ratio Lower Upper

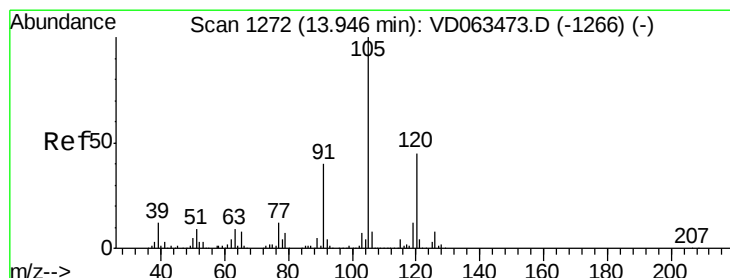
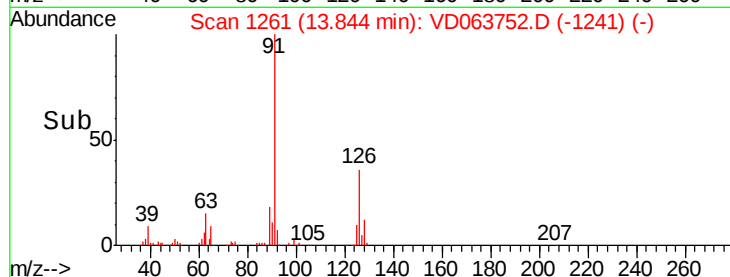
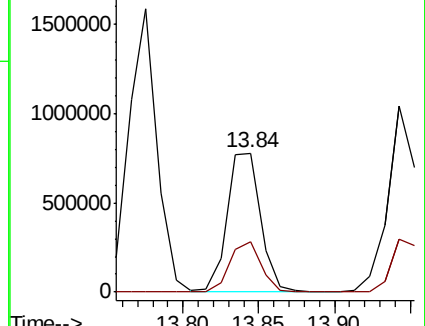
91 100

126 35.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 49.968 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063752.D

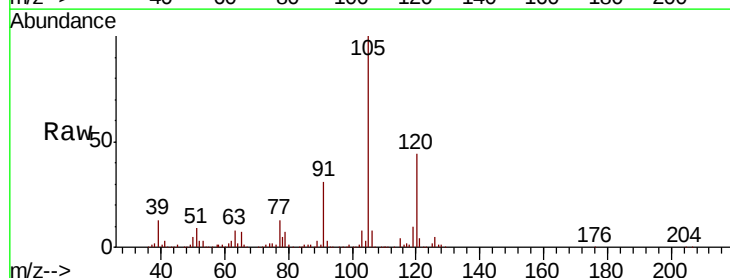
Acq: 22 Aug 2019 23:53

Tgt Ion: 105 Resp: 1480336

Ion Ratio Lower Upper

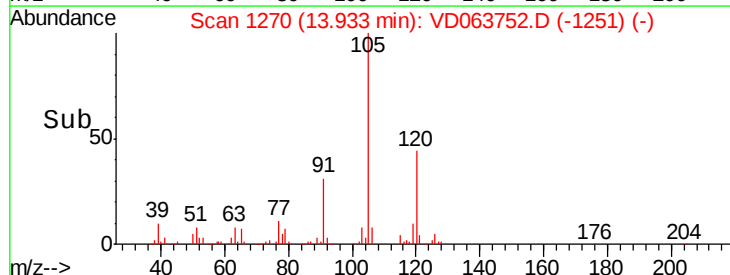
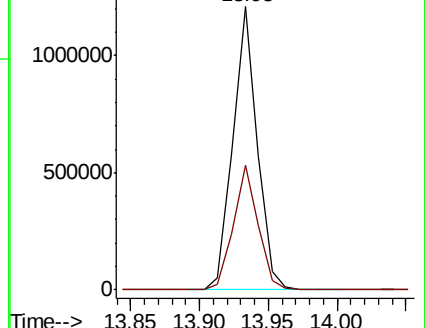
105 100

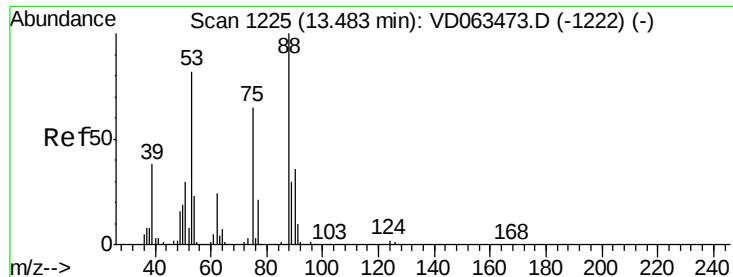
120 44.0 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.735 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

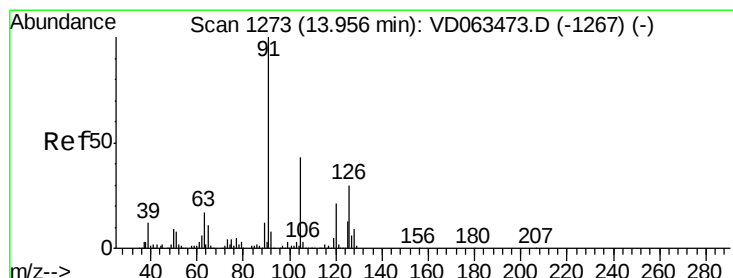
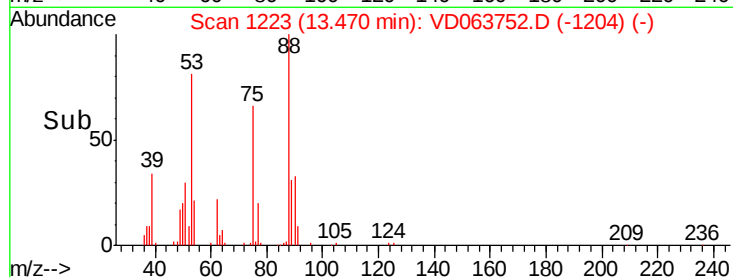
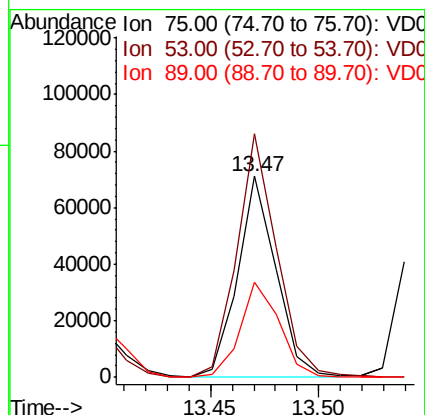
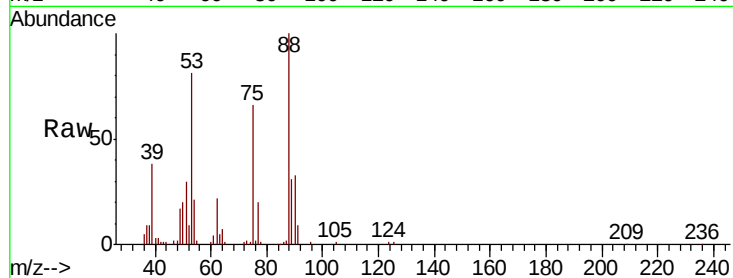
Tgt Ion: 75 Resp: 88358

Ion Ratio Lower Upper

75 100

53 121.3 101.0 151.4

89 47.1 37.0 55.6



#82

4-Chlorotoluene

Concen: 51.394 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063752.D

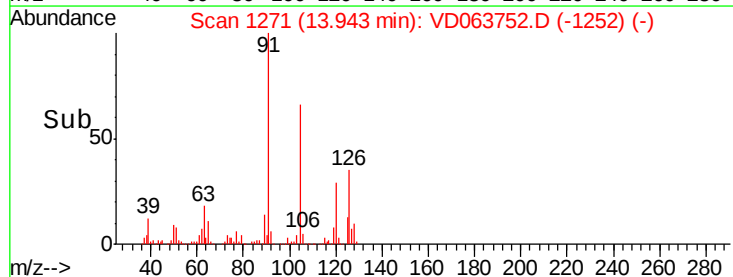
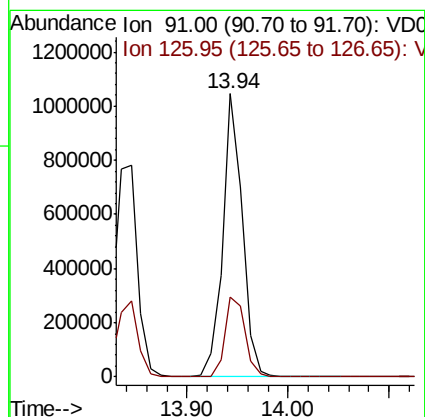
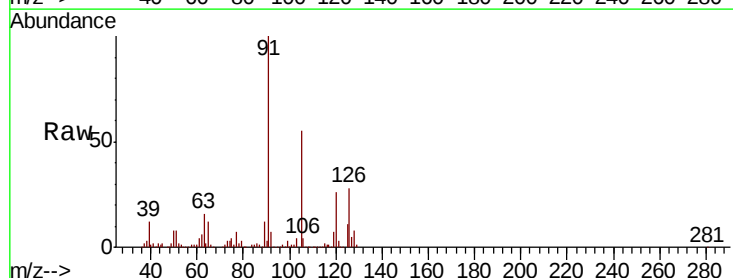
Acq: 22 Aug 2019 23:53

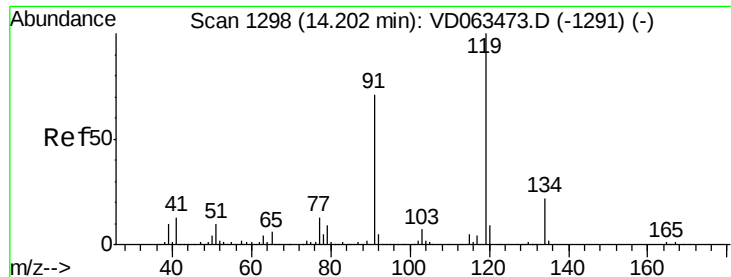
Tgt Ion: 91 Resp: 1413635

Ion Ratio Lower Upper

91 100

126 28.3 15.2 45.6

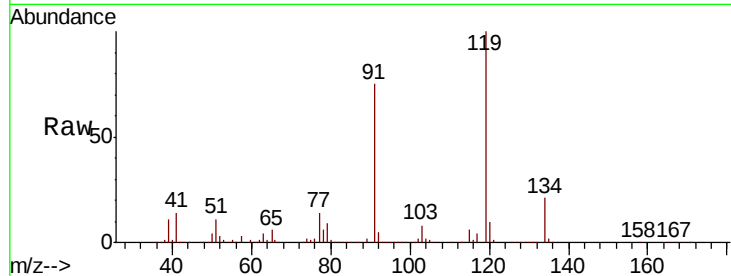




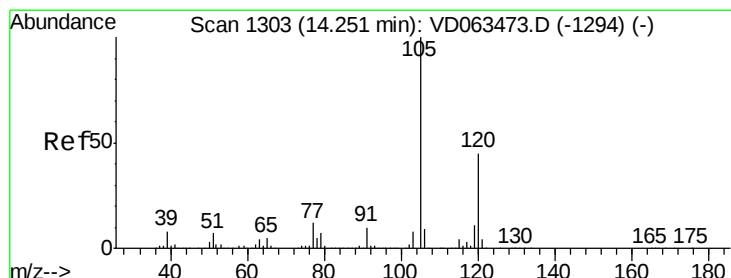
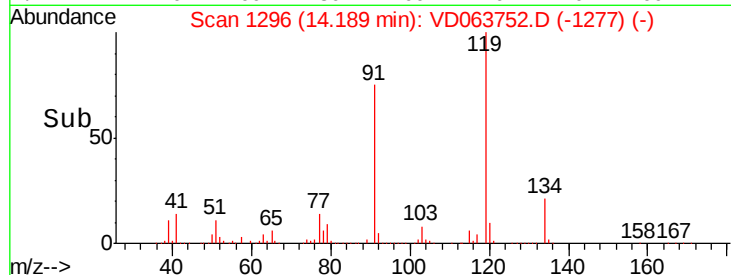
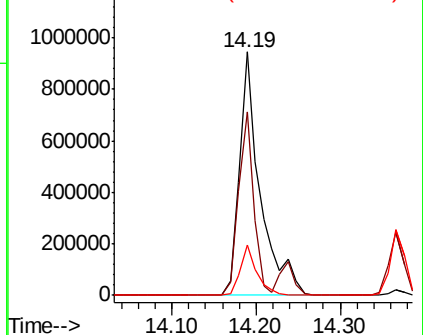
#83
 tert-Butylbenzene
 Concen: 51.770 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1615056
 Ion Ratio Lower Upper
 119 100
 91 75.3 35.5 106.7
 134 20.7 11.1 33.1

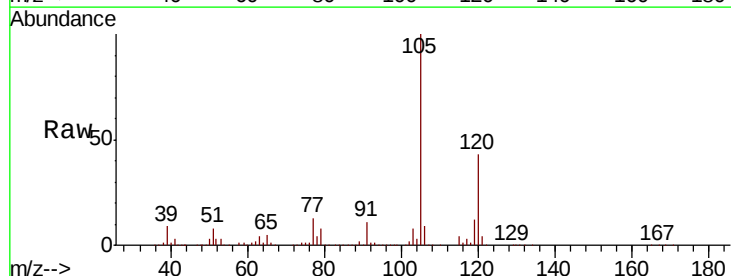


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

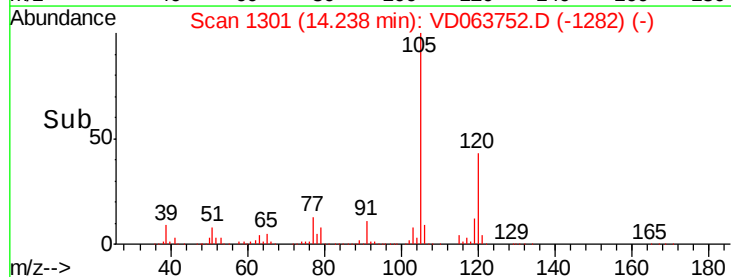
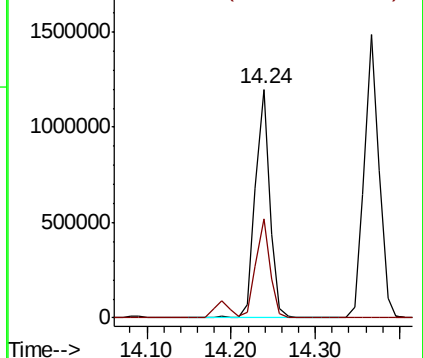


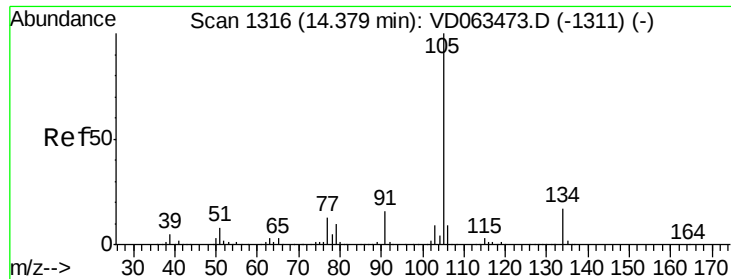
#84
 1,2,4-Trimethylbenzene
 Concen: 53.190 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion:105 Resp: 1457997
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.7 68.1



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

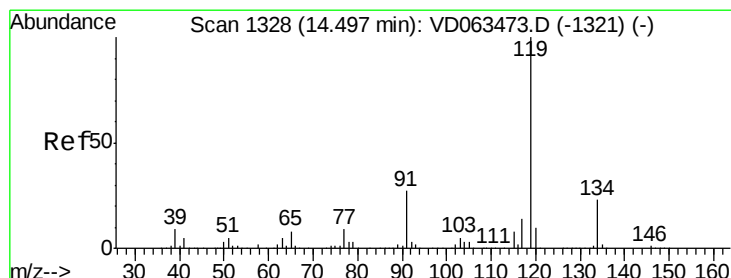
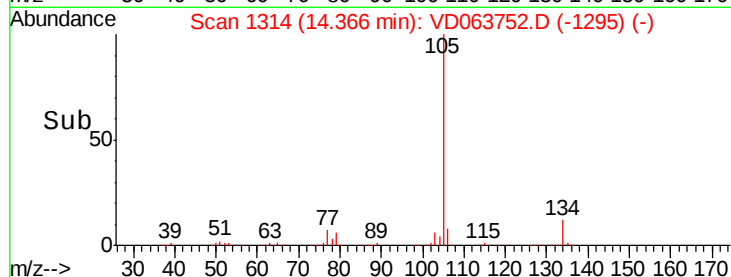
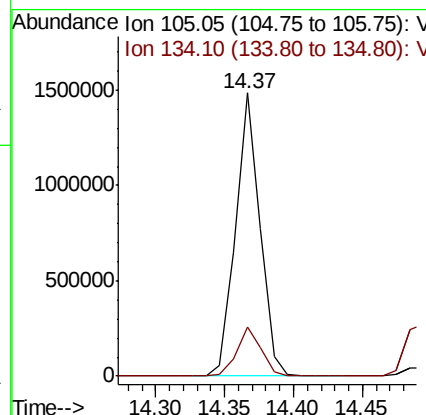
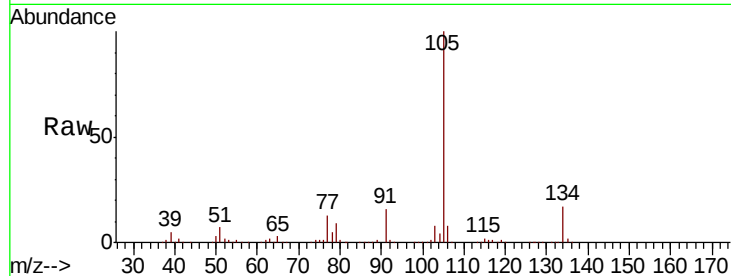




#85
 sec-Butylbenzene
 Concen: 55.067 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

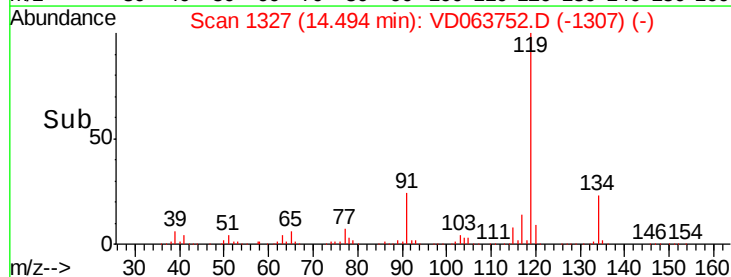
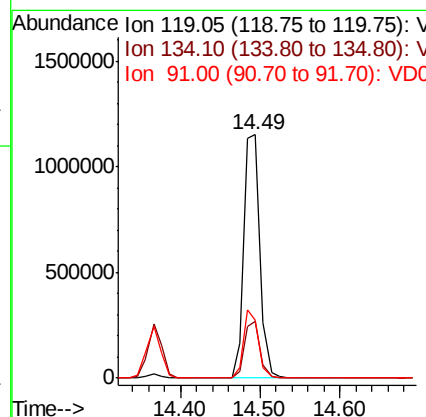
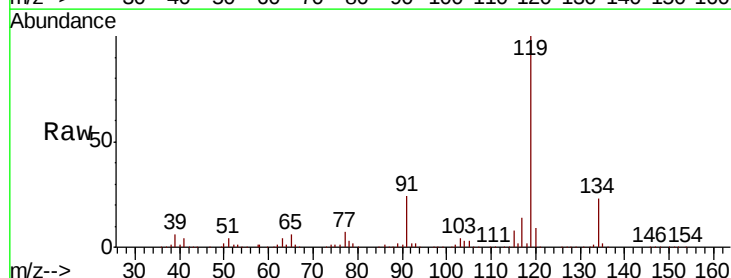
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

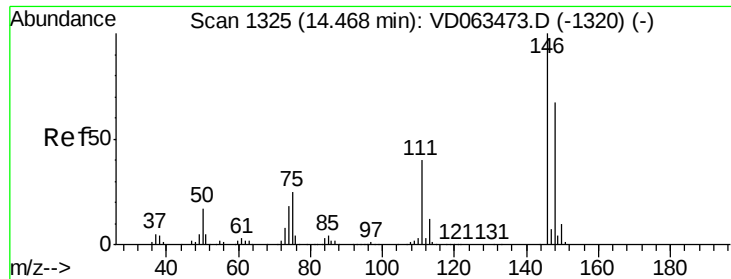
Tgt Ion:105 Resp: 1824393
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 51.767 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion:119 Resp: 1639843
 Ion Ratio Lower Upper
 119 100
 134 23.3 11.3 33.8
 91 24.0 13.5 40.4

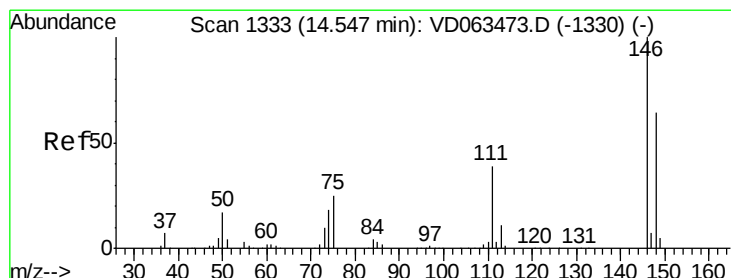
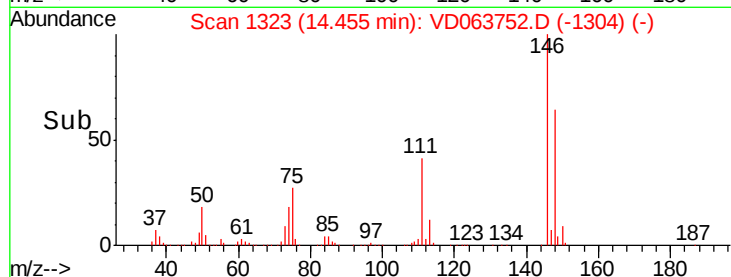
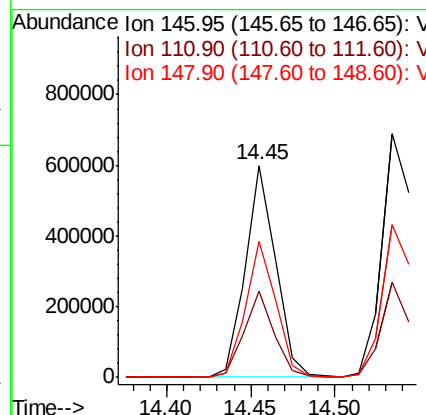
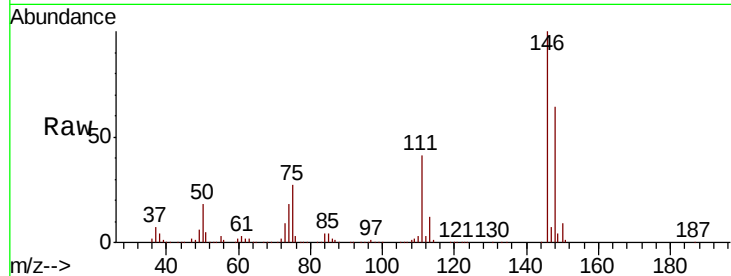




#87
 1,3-Dichlorobenzene
 Concen: 44.809 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

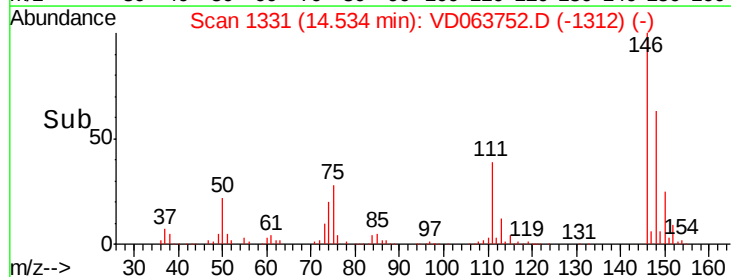
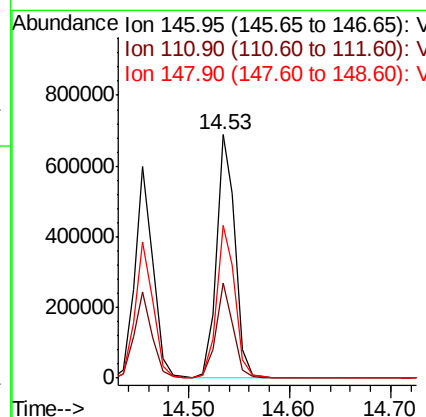
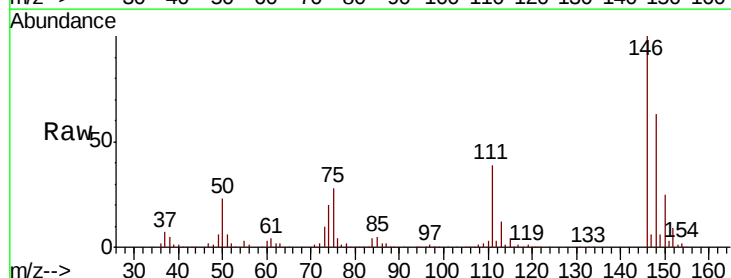
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

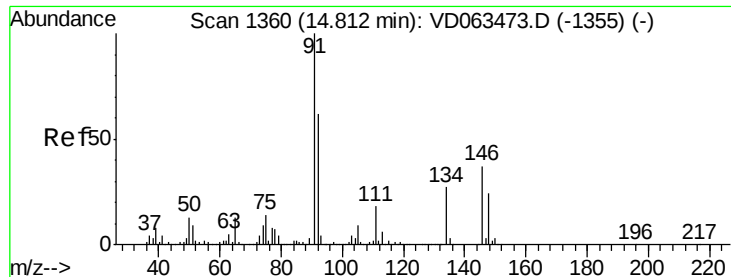
Tgt Ion:146 Resp: 751078
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 60.0
 148 64.1 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 55.331 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion:146 Resp: 889817
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 62.6 32.1 96.3





#89

n-Butylbenzene

Concen: 52.423 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063752.D

Acq: 22 Aug 2019 23:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

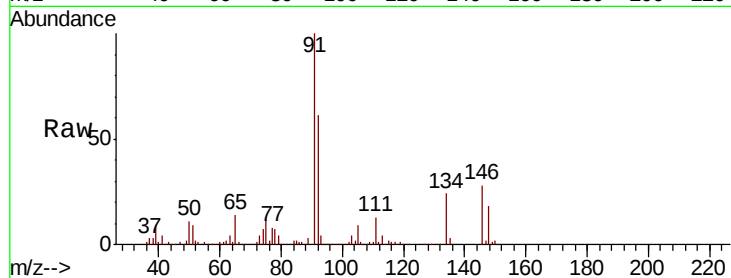
Tgt Ion: 91 Resp: 1515625

Ion Ratio Lower Upper

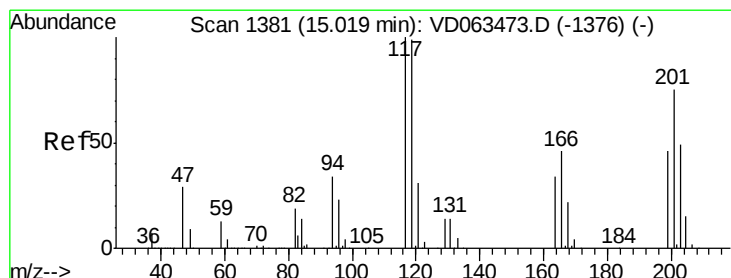
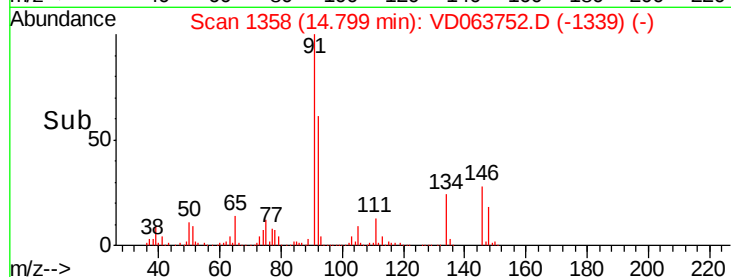
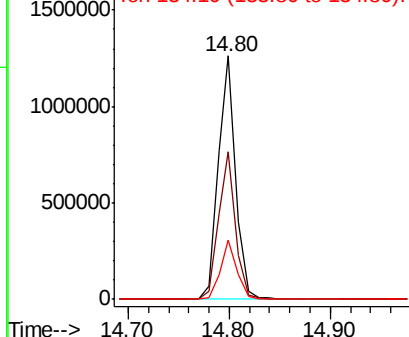
91 100

92 60.8 30.8 92.3

134 24.3 13.4 40.2



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



#90

Hexachloroethane

Concen: 54.919 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063752.D

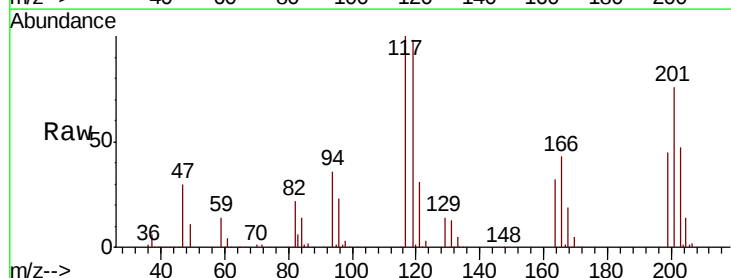
Acq: 22 Aug 2019 23:53

Tgt Ion: 117 Resp: 437269

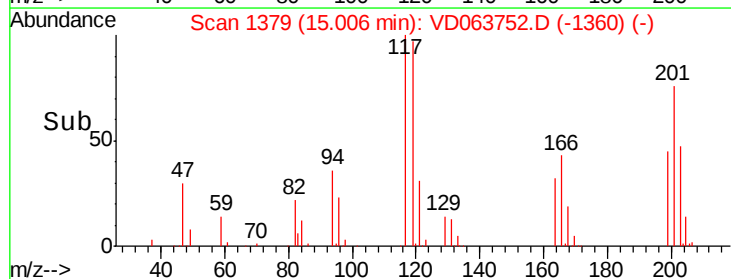
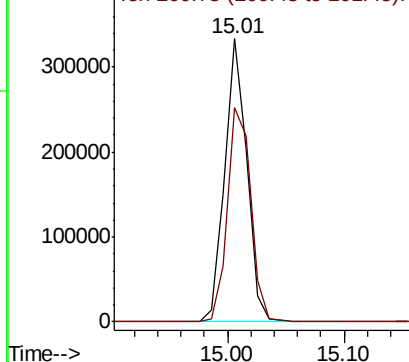
Ion Ratio Lower Upper

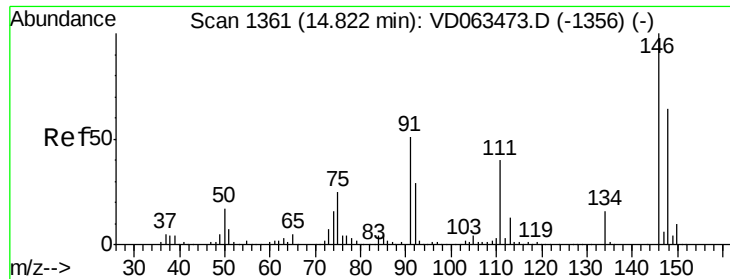
117 100

201 75.5 37.5 112.5



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

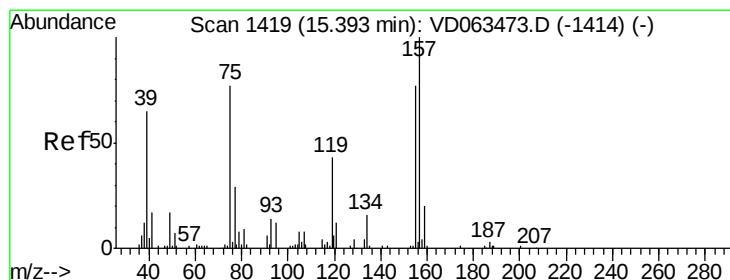
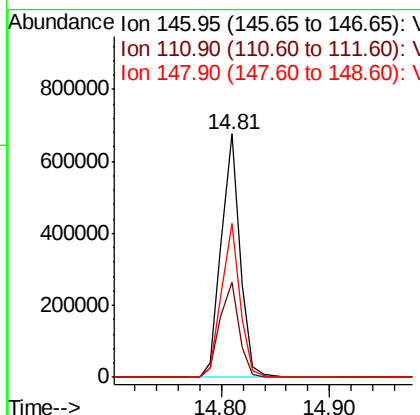
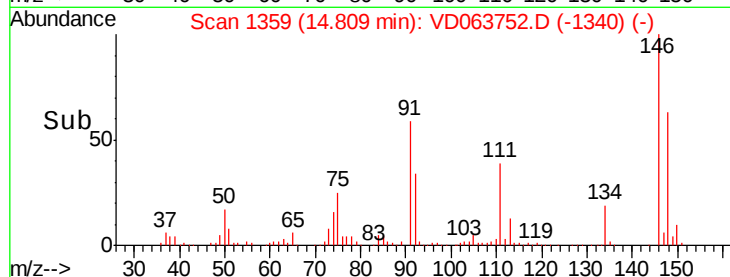
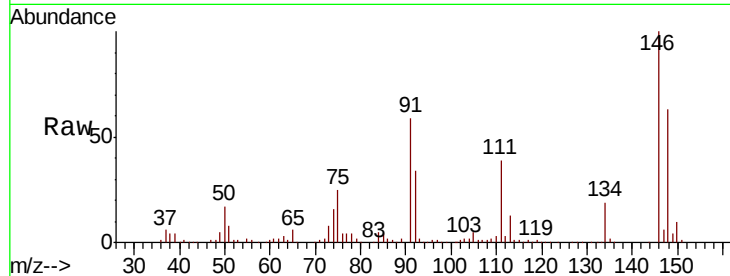




#91
 1,2-Dichlorobenzene
 Concen: 57.198 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

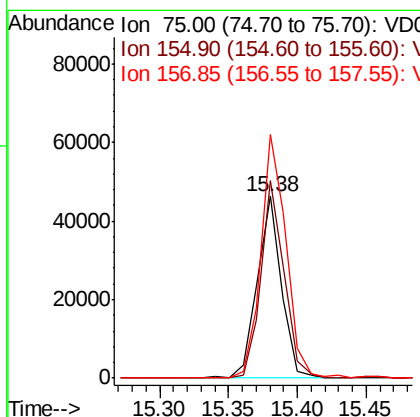
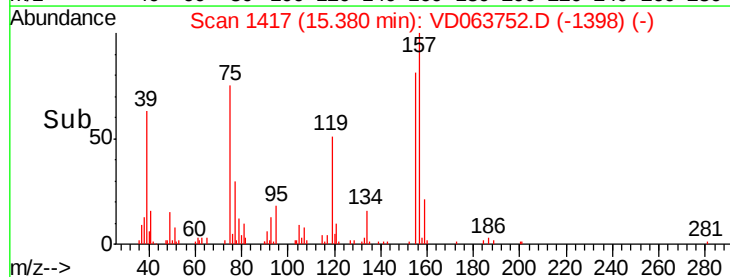
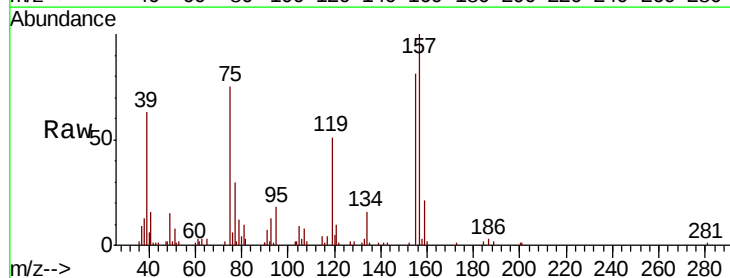
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

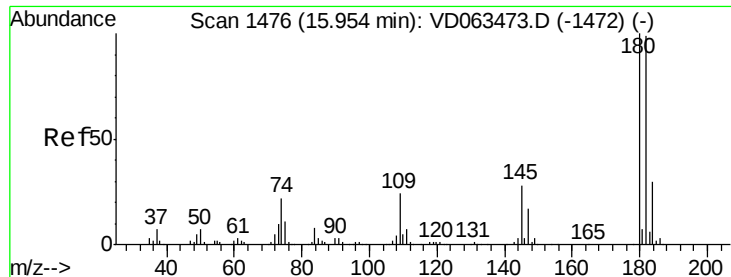
Tgt Ion: 146 Resp: 813416
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.2 60.6
 148 63.5 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.394 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion: 75 Resp: 56581
 Ion Ratio Lower Upper
 75 100
 155 108.7 50.1 150.3
 157 134.1 65.0 195.1

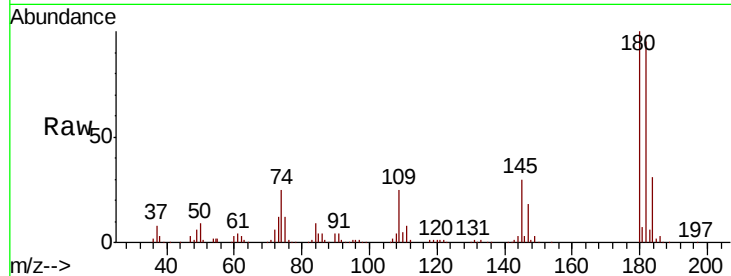




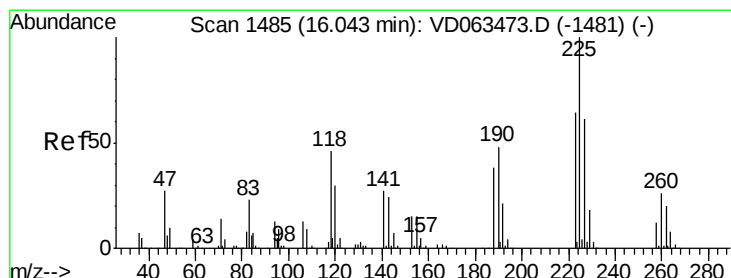
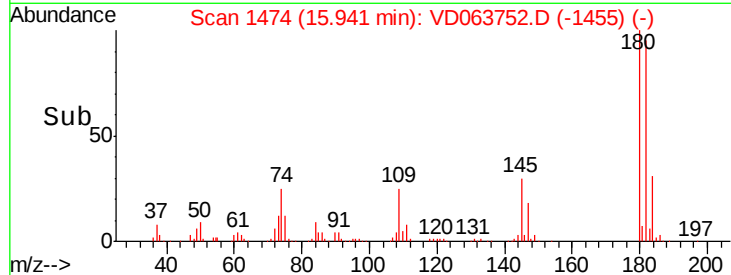
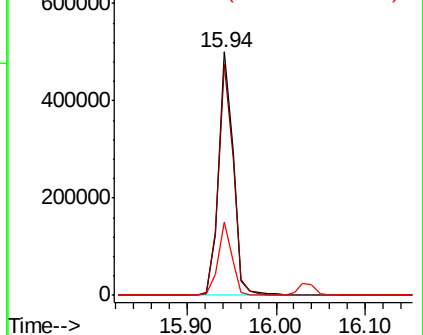
#93
 1,2,4-Trichlorobenzene
 Concen: 55.763 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 583517
 Ion Ratio Lower Upper
 180 100
 182 94.6 49.7 149.1
 145 29.9 14.1 42.2

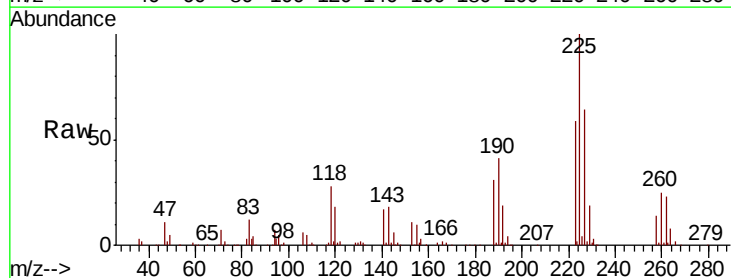


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

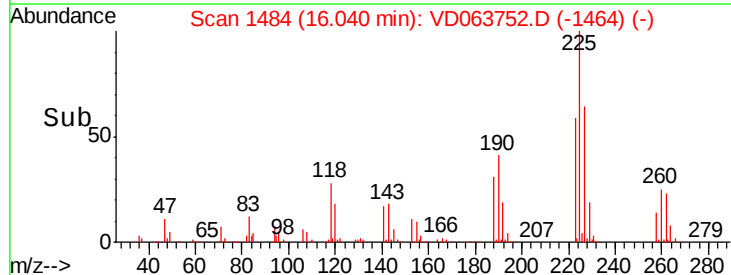
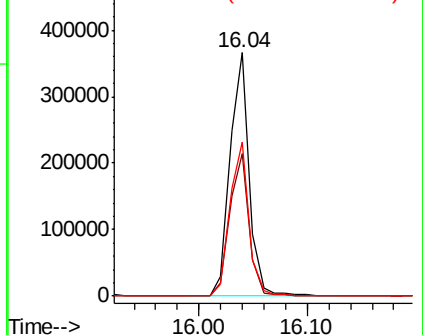


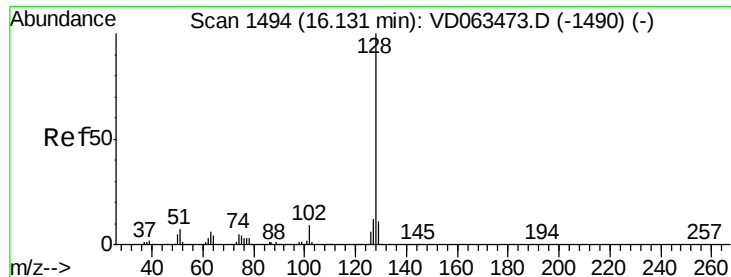
#94
 Hexachlorobutadiene
 Concen: 56.715 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063752.D
 Acq: 22 Aug 2019 23:53

Tgt Ion:225 Resp: 452312
 Ion Ratio Lower Upper
 225 100
 223 58.6 31.9 95.5
 227 63.5 30.7 92.1



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

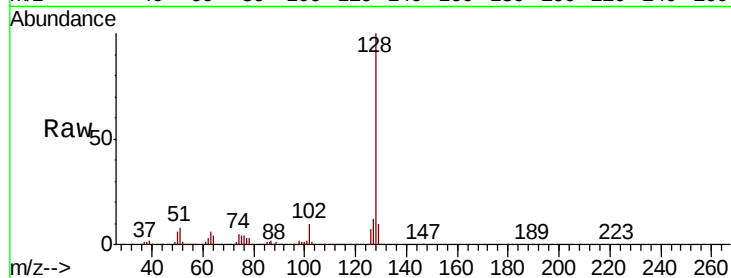




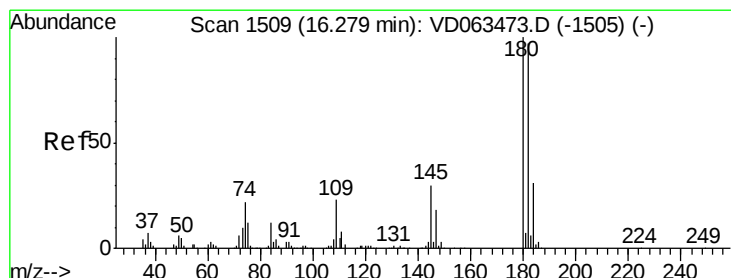
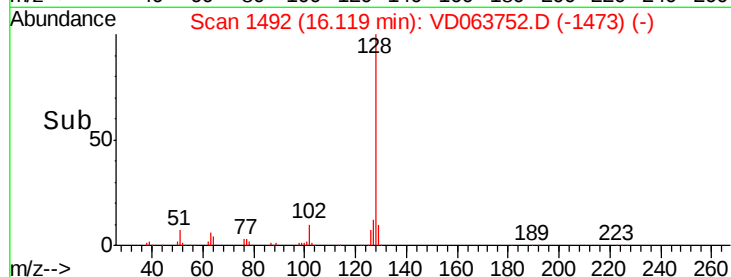
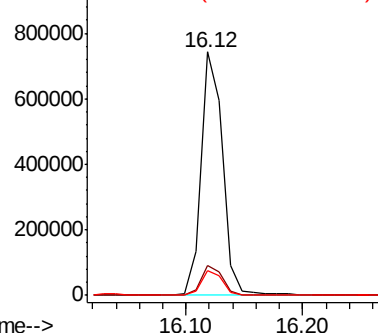
#95
Naphthalene
Concen: 59.783 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 948088
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.0
129 10.4 8.5 12.7

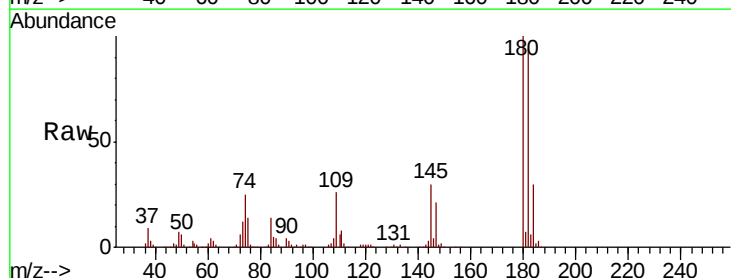


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 61.599 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063752.D
Acq: 22 Aug 2019 23:53

Tgt Ion:180 Resp: 520628
Ion Ratio Lower Upper
180 100
182 94.4 48.4 145.2
145 29.6 14.9 44.9



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

