

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063391.D
 Acq On : 5 Aug 2019 20:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 06 07:52:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	937708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1288726	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1107746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	611774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	527304	50.68	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.36%	
35) Dibromofluoromethane	6.92	113	564924	51.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.68%	
50) Toluene-d8	10.41	98	1265445	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	13.56	95	562286	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	497870	43.436	ug/l	99
3) Chloromethane	1.75	50	408149	45.831	ug/l #	87
4) Vinyl Chloride	1.84	62	406202	44.061	ug/l	98
5) Bromomethane	2.15	94	220960	47.522	ug/l	97
6) Chloroethane	2.26	64	207095	48.655	ug/l	94
7) Trichlorofluoromethane	2.52	101	887870	49.643	ug/l	98
8) Diethyl Ether	2.87	74	131845	52.673	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	454192	45.844	ug/l	91
10) Methyl Iodide	3.29	142	682235	47.668	ug/l	96
11) Tert butyl alcohol	4.08	59	115596	253.160	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	327741	45.061	ug/l	82
13) Acrolein	3.04	56	103921	236.482	ug/l	97
14) Allyl chloride	3.62	41	541967	46.776	ug/l	96
15) Acrylonitrile	4.20	53	324135	273.808	ug/l	99
16) Acetone	3.22	43	494736	244.042	ug/l	98
17) Carbon Disulfide	3.37	76	1074370	44.132	ug/l	100
18) Methyl Acetate	3.64	43	217687	55.903	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	896671	54.578	ug/l	99
20) Methylene Chloride	3.80	84	395212	48.229	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	409181	50.140	ug/l	98
22) Diisopropyl ether	5.12	45	1232114	53.226	ug/l	96
23) Vinyl Acetate	5.05	43	3819604	268.429	ug/l	99
24) 1,1-Dichloroethane	4.97	63	743985	50.316	ug/l	95
25) 2-Butanone	6.07	43	517670	254.443	ug/l	96
26) 2,2-Dichloropropane	6.02	77	730013	47.908	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	451986	51.658	ug/l	94
28) Bromochloromethane	6.43	49	296165	50.272	ug/l	99
29) Tetrahydrofuran	6.46	42	259508	269.411	ug/l	97
30) Chloroform	6.66	83	961634	52.405	ug/l	91
31) Cyclohexane	6.95	56	435601	47.000	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	887948	50.028	ug/l	98
36) 1,1-Dichloropropene	7.14	75	609372	51.812	ug/l	99
37) Ethyl Acetate	6.19	43	257582	48.749	ug/l #	96
38) Carbon Tetrachloride	7.11	117	947890	53.534	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063391.D
 Acq On : 5 Aug 2019 20:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Aug 06 07:52:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	481213	49.108	ug/l	92
40) Benzene	7.46	78	1283364	52.065	ug/l	100
41) Methacrylonitrile	6.44	41	344983	54.581	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	705018	53.968	ug/l	100
43) Isopropyl Acetate	9.24	43	362749	53.744	ug/l #	99
44) Trichloroethene	8.54	130	498922	49.951	ug/l	96
45) 1,2-Dichloropropane	8.93	63	322292	51.441	ug/l	97
46) Dibromomethane	9.06	93	279503	53.653	ug/l	96
47) Bromodichloromethane	9.37	83	707813	53.301	ug/l	99
48) Methyl methacrylate	9.12	41	242924	55.494	ug/l	97
49) 1,4-Dioxane	9.08	88	43397	1170.988	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	1312161	285.857	ug/l	99
52) Toluene	10.51	92	868045	52.948	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	564689	49.324	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	671450	55.804	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	293354	52.981	ug/l	95
56) Ethyl methacrylate	11.04	69	338607	55.847	ug/l	98
57) 1,3-Dichloropropane	11.41	76	476893	54.665	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	821326	260.336	ug/l	99
59) 2-Hexanone	11.53	43	921180	278.475	ug/l	99
60) Dibromochloromethane	11.69	129	569080	54.443	ug/l	96
61) 1,2-Dibromoethane	11.81	107	376325	55.081	ug/l	100
64) Tetrachloroethene	11.26	164	439401	49.790	ug/l	97
65) Chlorobenzene	12.40	112	1025643	48.137	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	511906	54.542	ug/l	98
67) Ethyl Benzene	12.53	91	1838226	50.786	ug/l	99
68) m/p-Xylenes	12.66	106	1323042	99.671	ug/l	97
69) o-Xylene	13.05	106	634181	52.026	ug/l	97
70) Styrene	13.08	104	1156706	53.508	ug/l	100
71) Bromoform	13.23	173	365553	53.559	ug/l	98
73) Isopropylbenzene	13.40	105	1820011	47.400	ug/l	100
74) N-amyl acetate	13.26	43	544294	53.622	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	343819	52.715	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	373598	50.842	ug/l	94
77) Bromobenzene	13.67	156	533266	48.753	ug/l	96
78) n-propylbenzene	13.78	91	2243785	49.105	ug/l	99
79) 2-Chlorotoluene	13.84	91	1294158	48.880	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1688452	50.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	99773	48.898	ug/l	86
82) 4-Chlorotoluene	13.94	91	1600622	51.370	ug/l	89
83) tert-Butylbenzene	14.19	119	1791275	47.371	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1405181	41.022	ug/l	98
85) sec-Butylbenzene	14.37	105	1752296	43.984	ug/l	100
86) p-Isopropyltoluene	14.49	119	1828608	48.090	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	951859	49.140	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	945101	48.250	ug/l	96
89) n-Butylbenzene	14.80	91	1585016	48.262	ug/l	99
90) Hexachloroethane	15.01	117	463831	46.819	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	831881	49.290	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	68305	51.413	ug/l	84

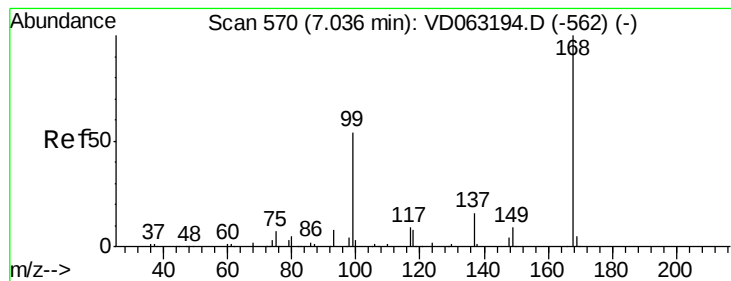
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
Data File : VD063391.D
Acq On : 5 Aug 2019 20:00
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 06 07:52:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	704035	52.584	ug/l	97
94) Hexachlorobutadiene	16.04	225	465006	47.926	ug/l	98
95) Naphthalene	16.12	128	954123	50.420	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	538832	50.944	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. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

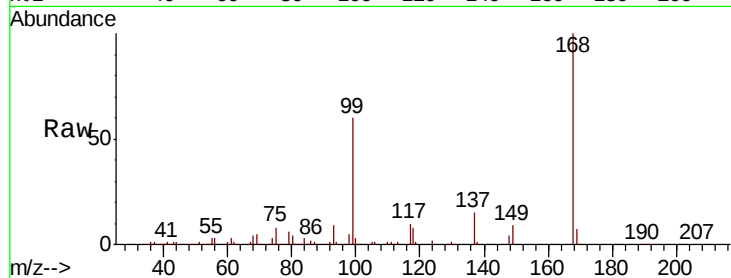
VSTDCCC050EC

Tgt Ion:168 Resp: 937708

Ion Ratio Lower Upper

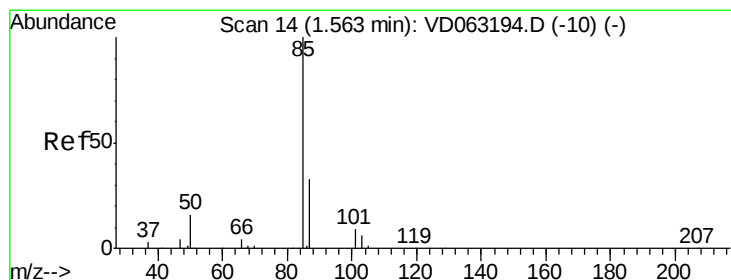
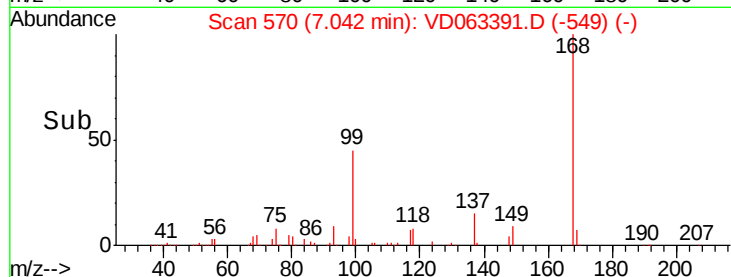
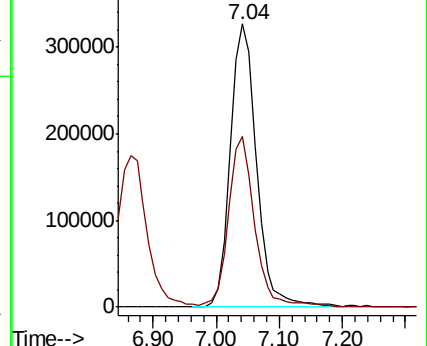
168 100

99 60.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 43.436 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.01 min

Lab File: VD063391.D

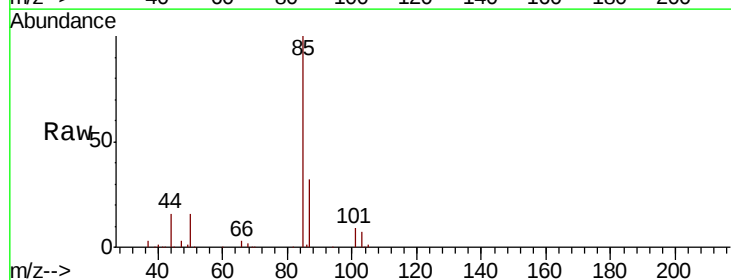
Acq: 5 Aug 2019 20:00

Tgt Ion: 85 Resp: 497870

Ion Ratio Lower Upper

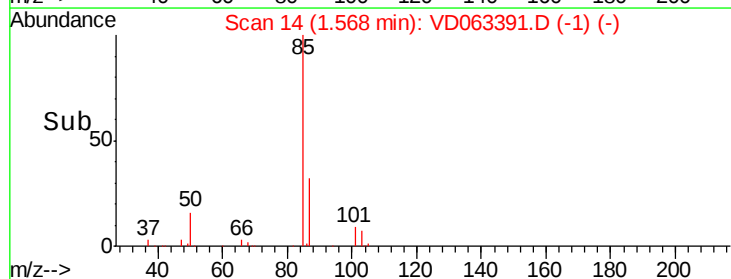
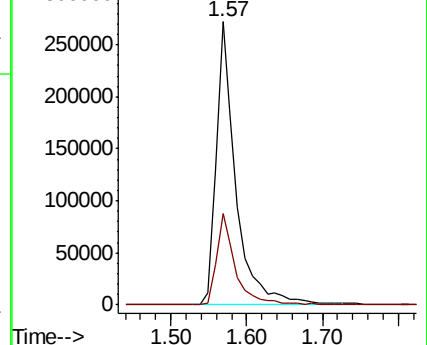
85 100

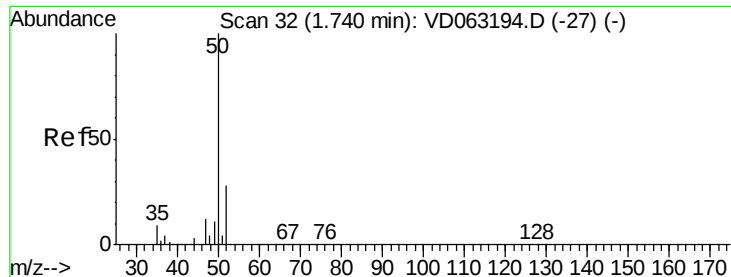
87 32.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.831 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

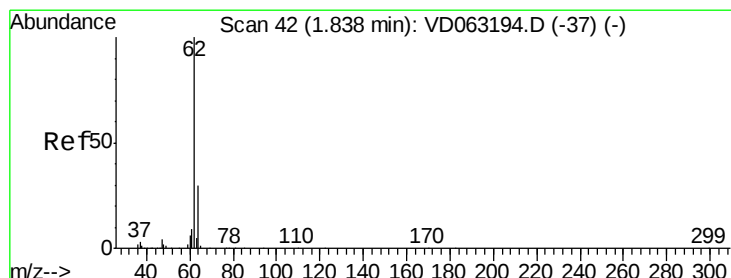
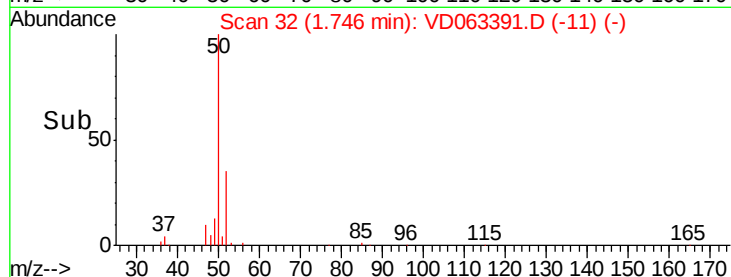
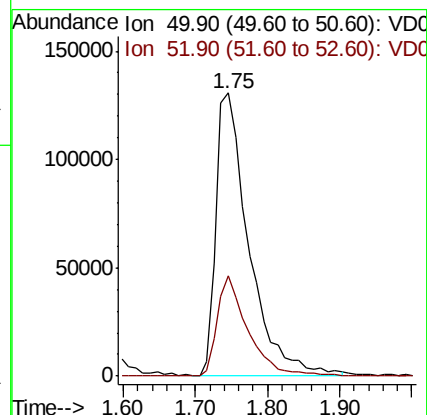
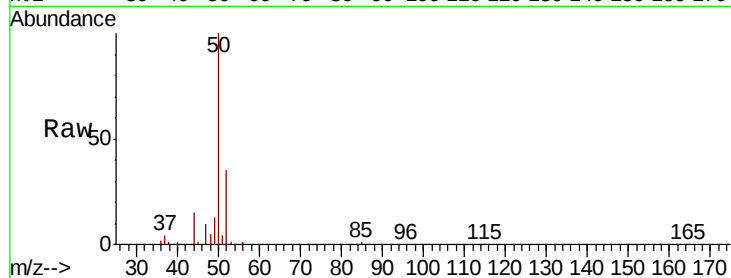
VSTDCCC050EC

Tgt Ion: 50 Resp: 408149

Ion Ratio Lower Upper

50 100

52 35.4 22.6 34.0#



#4

Vinyl Chloride

Concen: 44.061 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063391.D

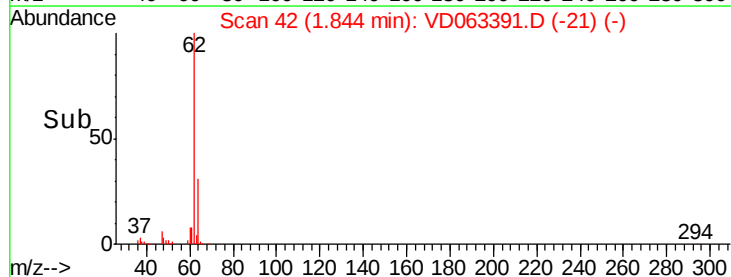
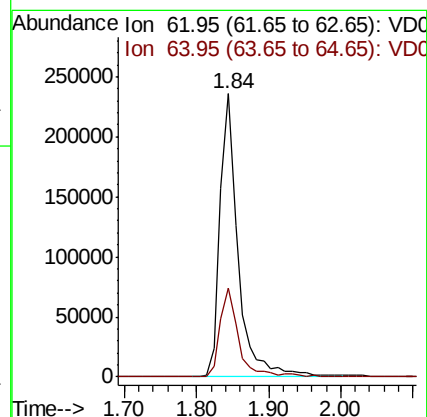
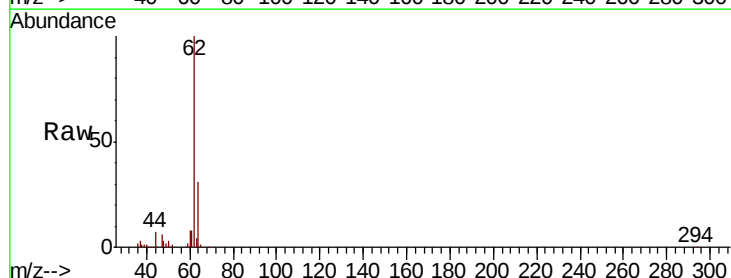
Acq: 5 Aug 2019 20:00

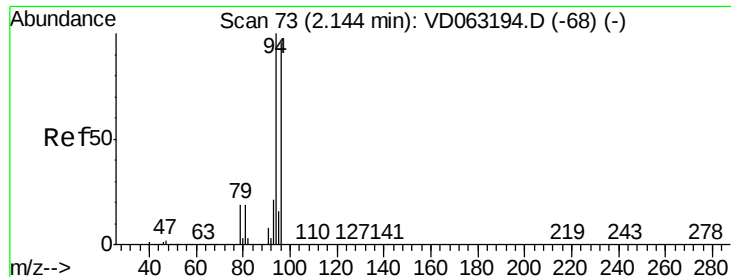
Tgt Ion: 62 Resp: 406202

Ion Ratio Lower Upper

62 100

64 31.2 24.1 36.1





#5

Bromomethane

Concen: 47.522 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

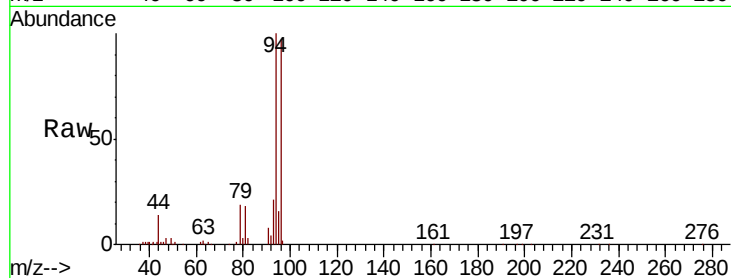
Tgt Ion: 94 Resp: 220960

Ion Ratio Lower Upper

94 100

96 98.6 76.4 114.6

93 21.3 17.3 25.9

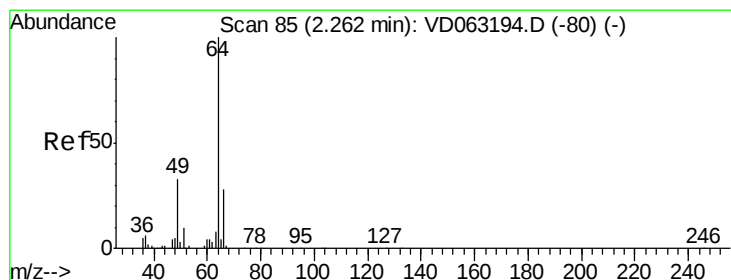
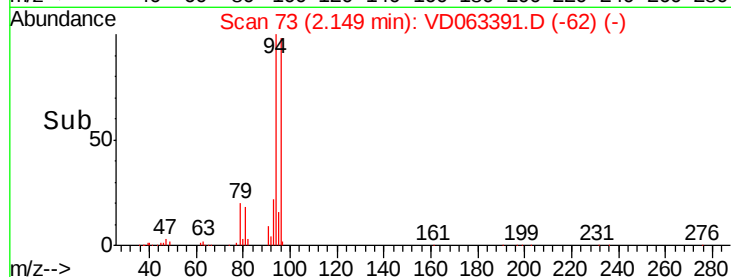
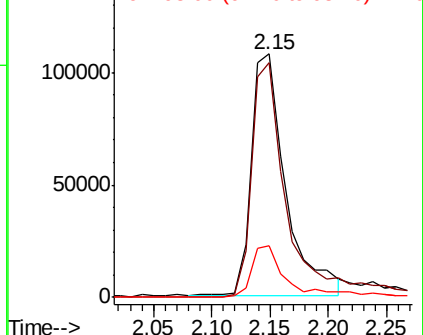


Abundance

Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 48.655 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063391.D

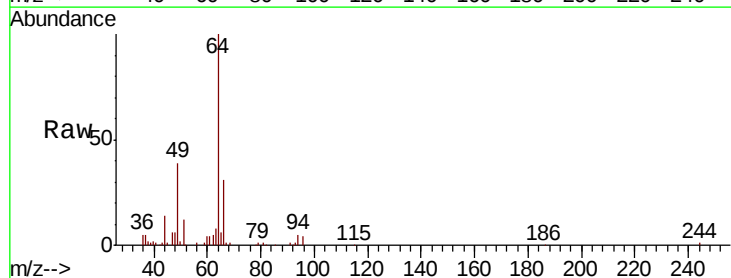
Acq: 5 Aug 2019 20:00

Tgt Ion: 64 Resp: 207095

Ion Ratio Lower Upper

64 100

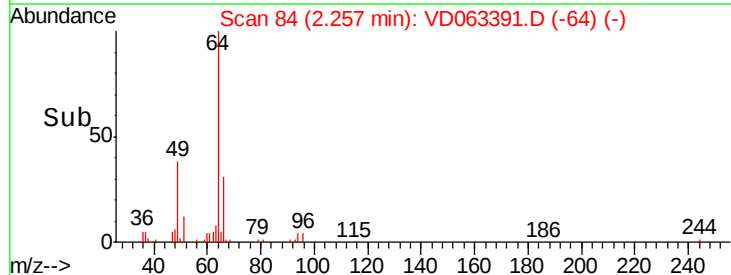
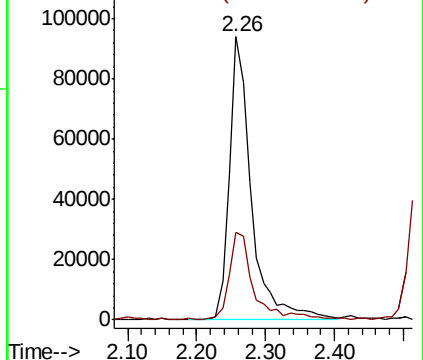
66 30.9 22.2 33.2

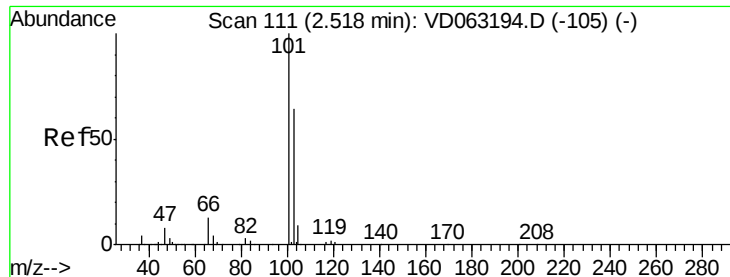


Abundance

Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



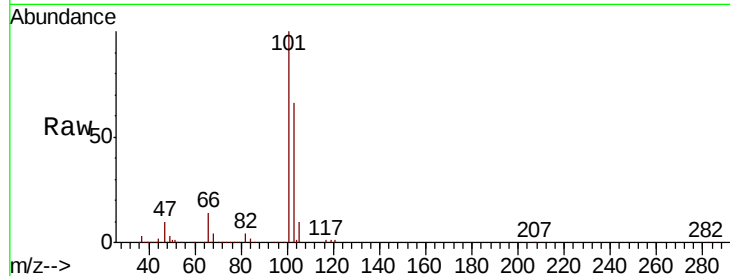


#7

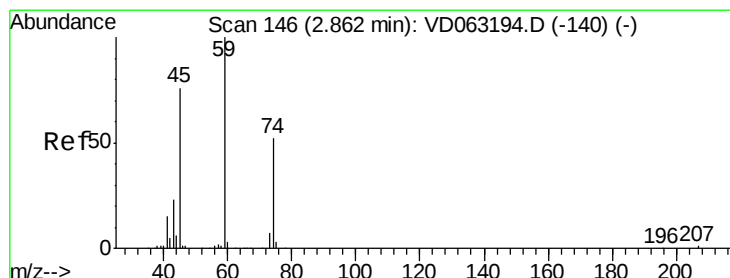
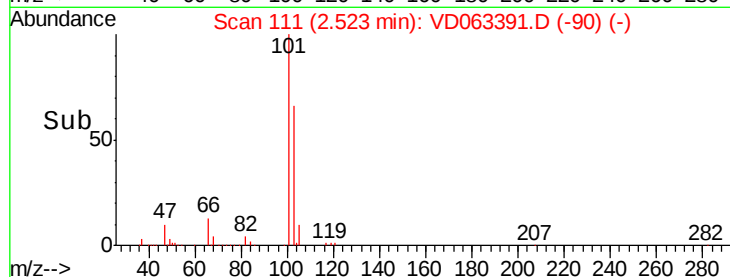
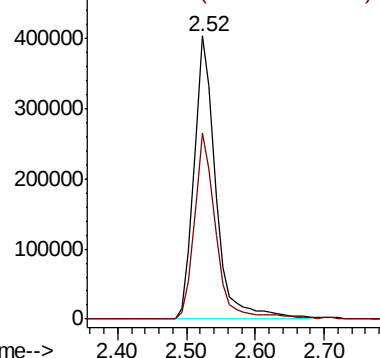
Trichlorofluoromethane
 Concen: 49.643 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 101 Resp: 887870
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.5 77.3



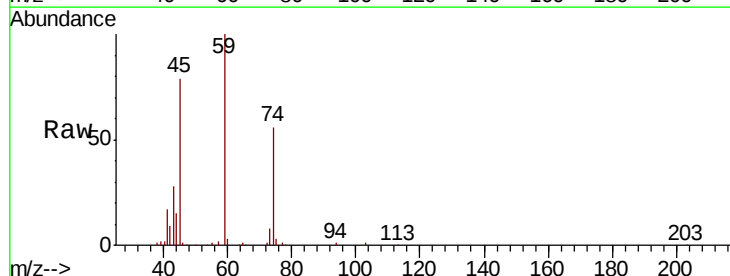
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



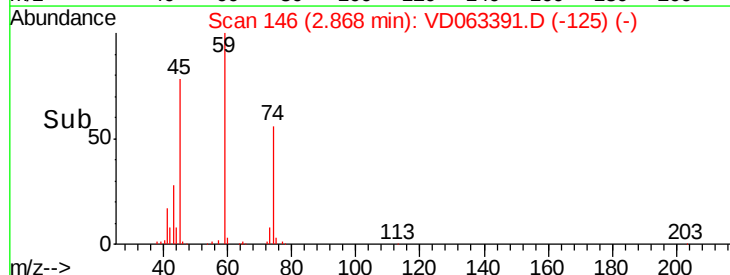
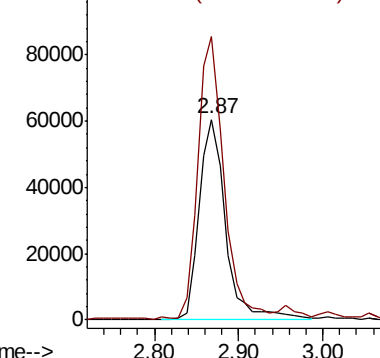
#8

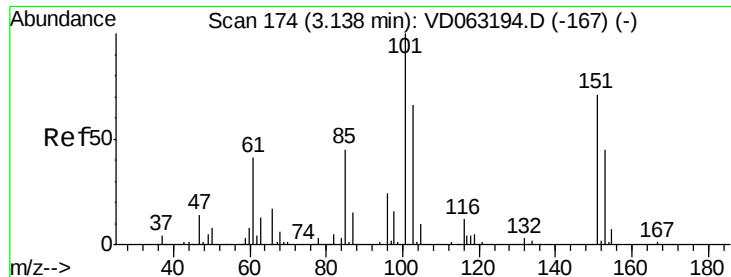
Diethyl Ether
 Concen: 52.673 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 74 Resp: 131845
 Ion Ratio Lower Upper
 74 100
 45 141.3 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
 100000 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.844 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

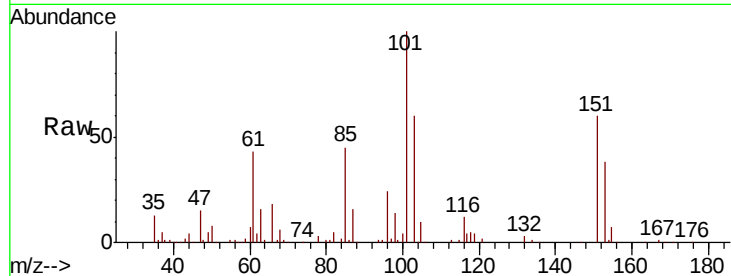
Tgt Ion:101 Resp: 454192

Ion Ratio Lower Upper

101 100

85 44.7 36.1 54.1

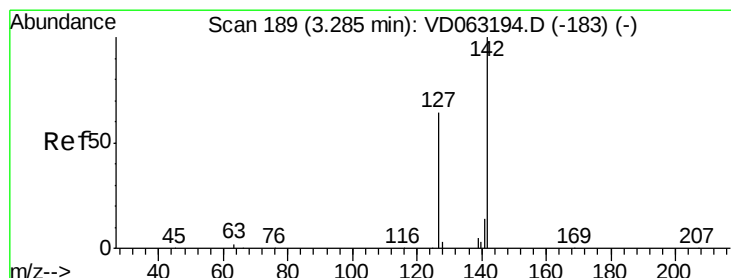
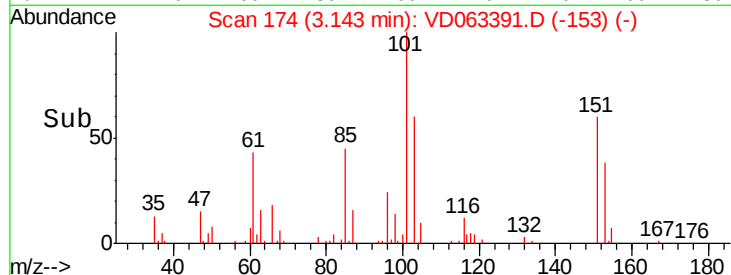
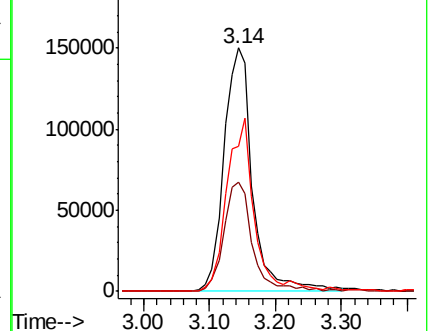
151 59.5 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.668 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

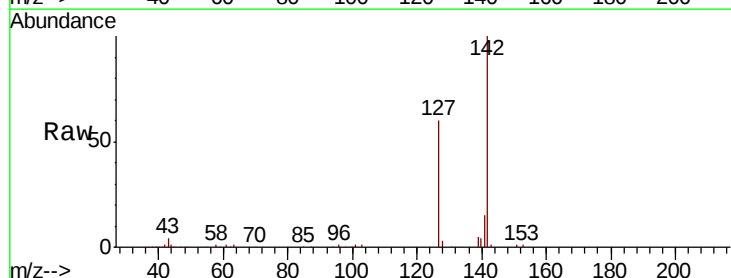
Tgt Ion:142 Resp: 682235

Ion Ratio Lower Upper

142 100

127 59.7 50.8 76.2

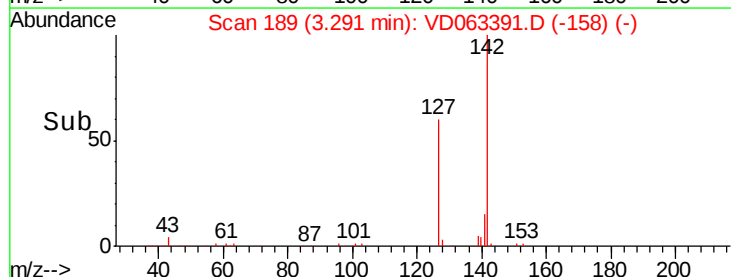
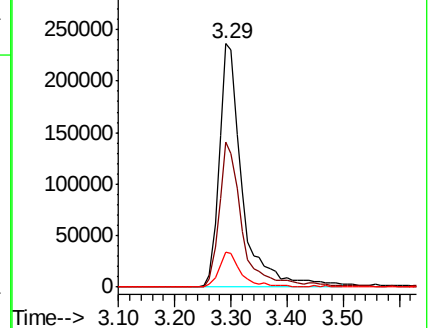
141 14.6 11.4 17.2

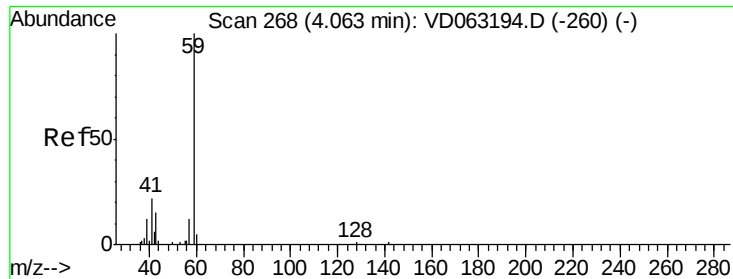


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



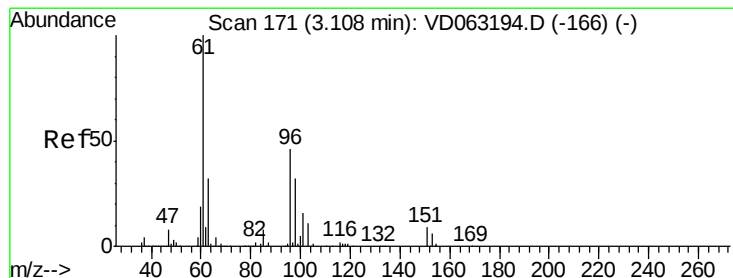
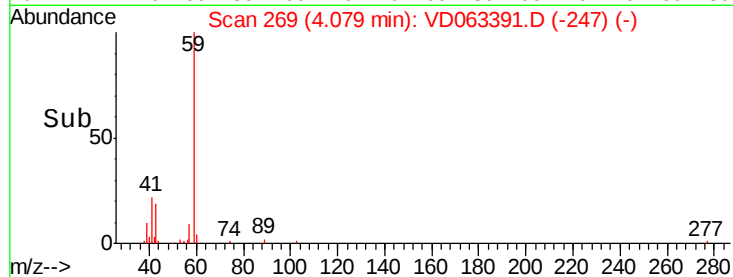
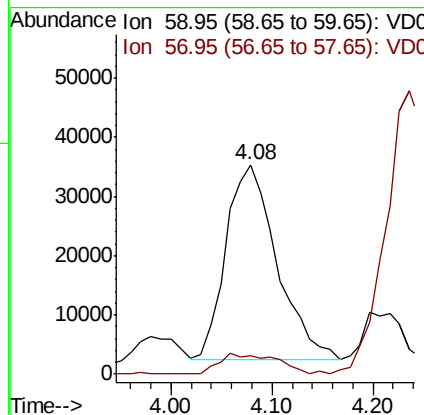
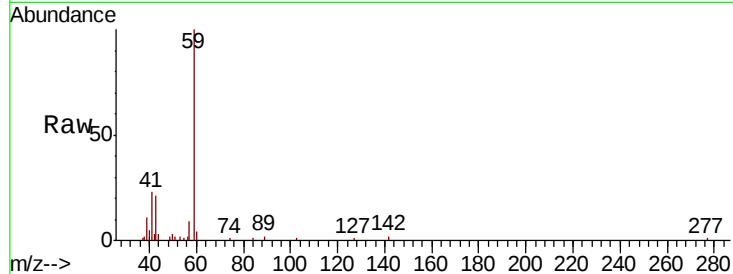


#11

Tert butyl alcohol
 Concen: 253.160 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.02 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

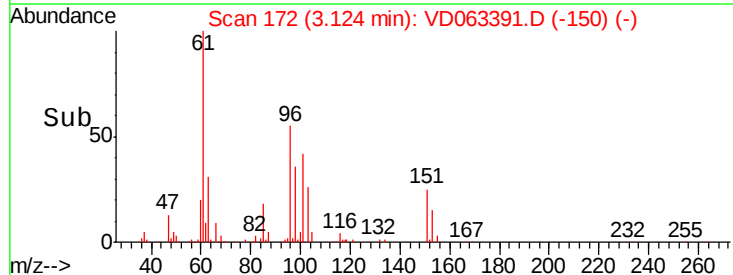
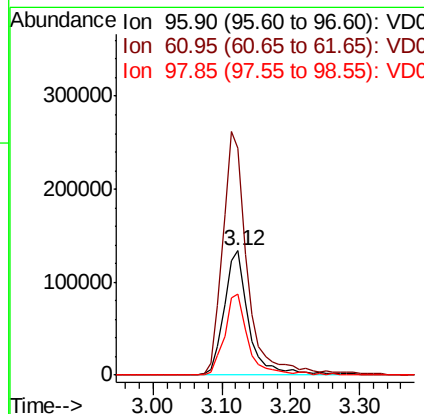
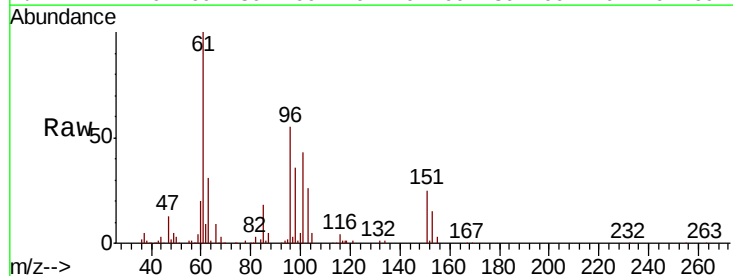
Tgt Ion: 59 Resp: 115596
 Ion Ratio Lower Upper
 59 100
 57 8.6 9.6 14.4#

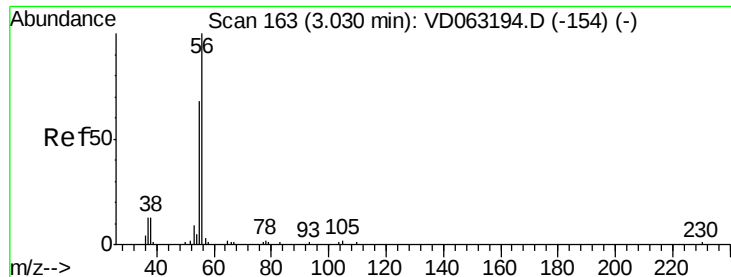


#12

1,1-Dichloroethene
 Concen: 45.061 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.02 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 96 Resp: 327741
 Ion Ratio Lower Upper
 96 100
 61 181.9 173.7 260.5
 98 65.5 55.8 83.8





#13

Acrolein

Concen: 236.482 ug/l

RT: 3.04 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

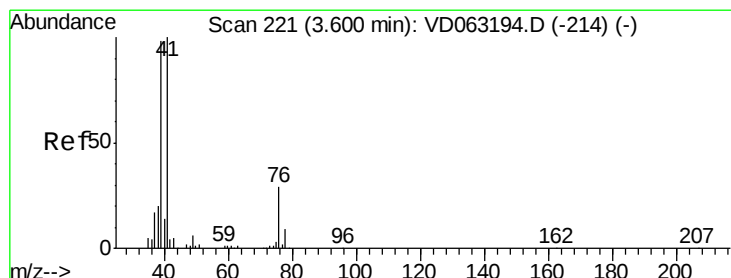
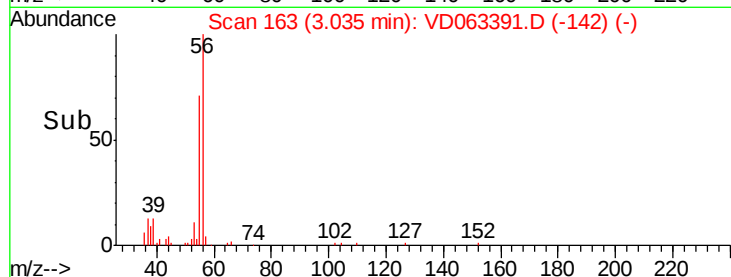
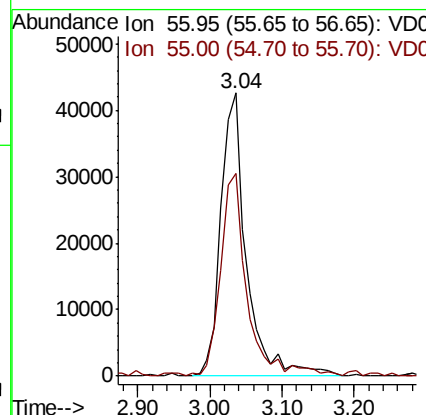
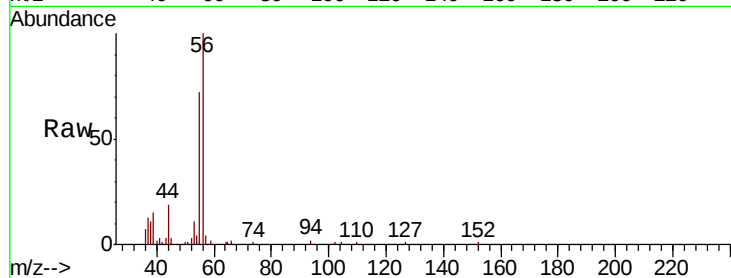
VSTDCCC050EC

Tgt Ion: 56 Resp: 103921

Ion Ratio Lower Upper

56 100

55 71.7 55.3 82.9



#14

Allyl chloride

Concen: 46.776 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

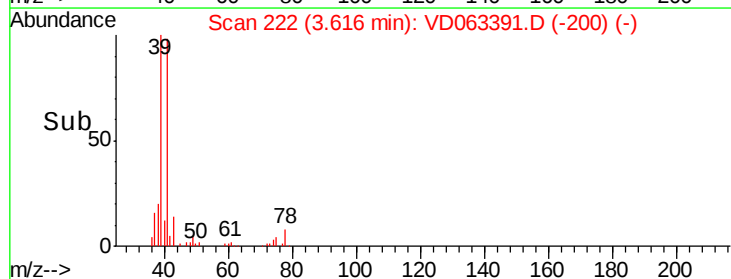
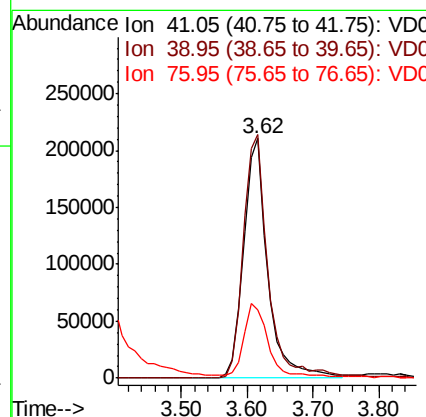
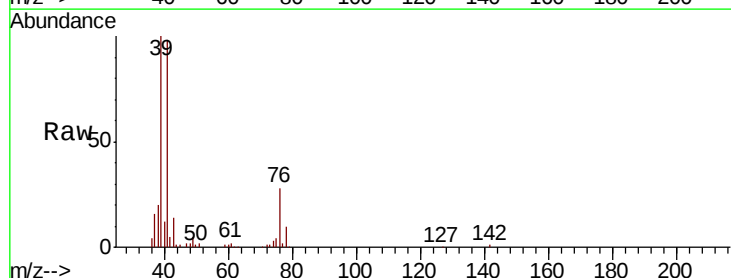
Tgt Ion: 41 Resp: 541967

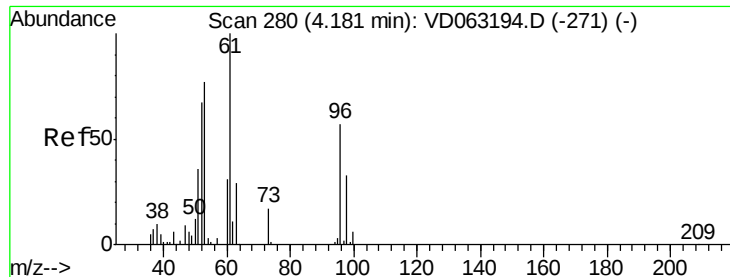
Ion Ratio Lower Upper

41 100

39 101.7 78.6 117.8

76 28.4 24.5 36.7





#15

Acrylonitrile

Concen: 273.808 ug/l

RT: 4.20 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

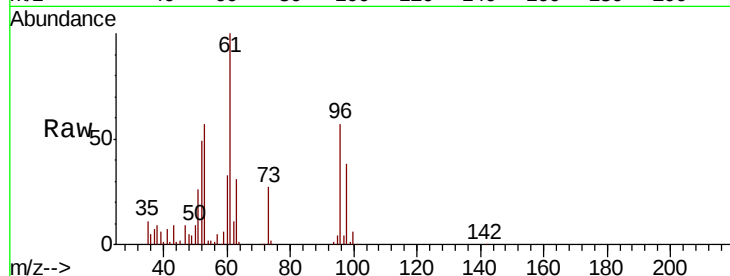
Tgt Ion: 53 Resp: 324135

Ion Ratio Lower Upper

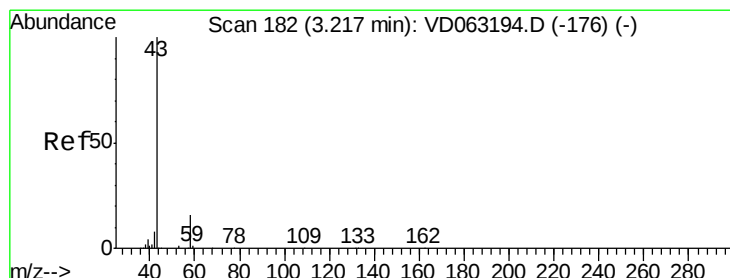
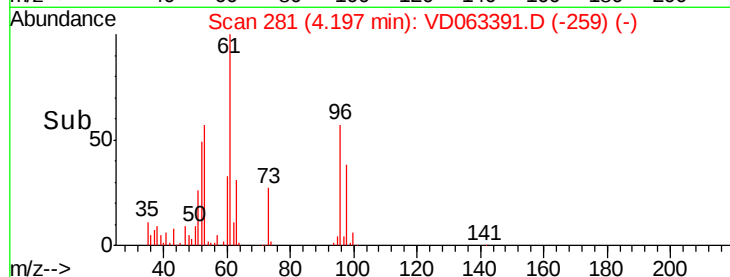
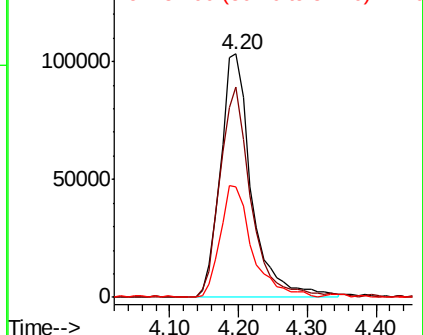
53 100

52 86.2 69.7 104.5

51 45.5 37.4 56.0



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



#16

Acetone

Concen: 244.042 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063391.D

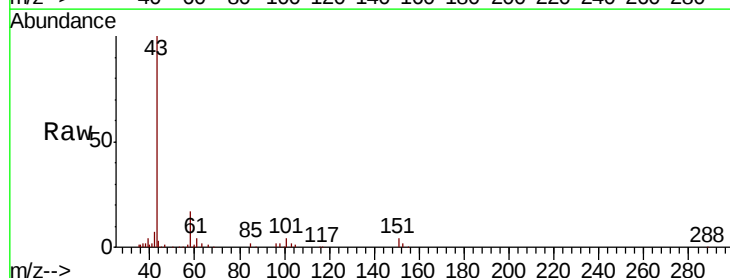
Acq: 5 Aug 2019 20:00

Tgt Ion: 43 Resp: 494736

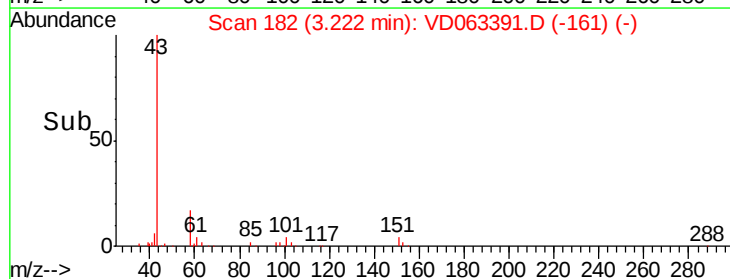
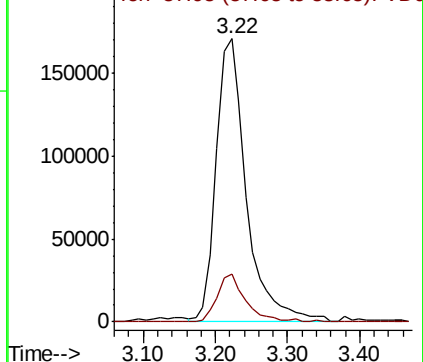
Ion Ratio Lower Upper

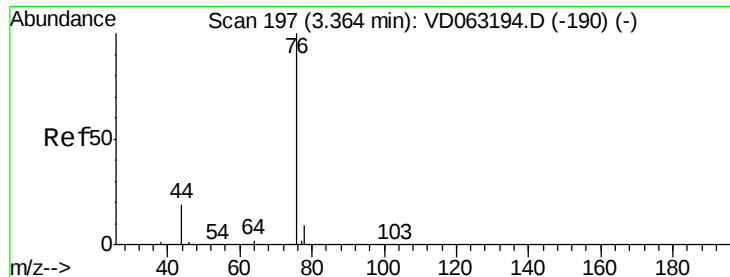
43 100

58 17.0 13.0 19.4



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

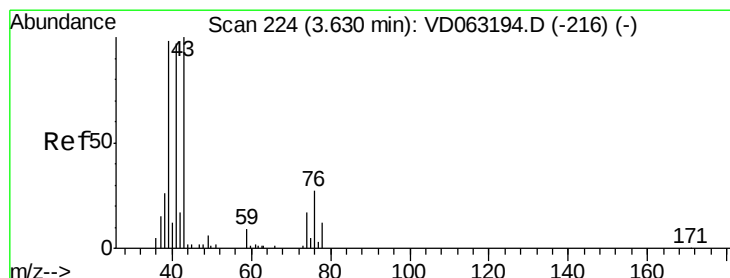
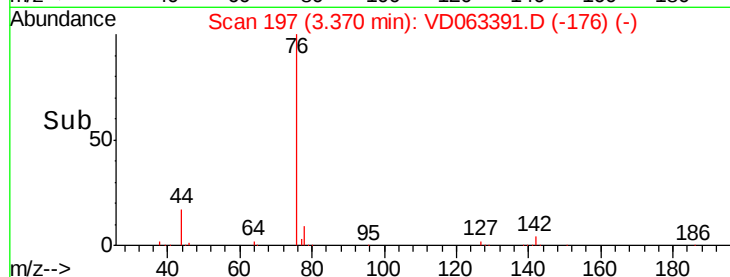
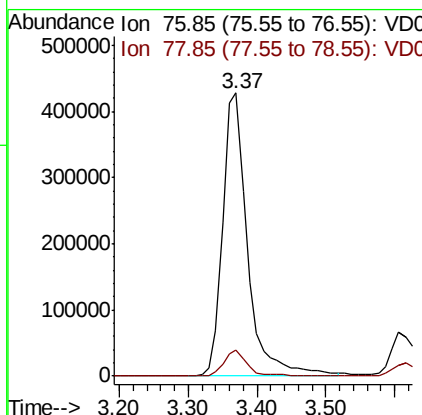
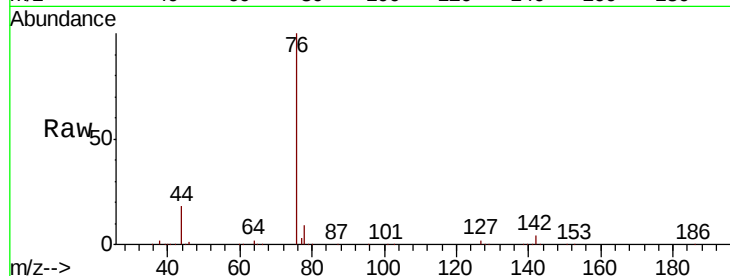




#17
Carbon Disulfide
Concen: 44.132 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

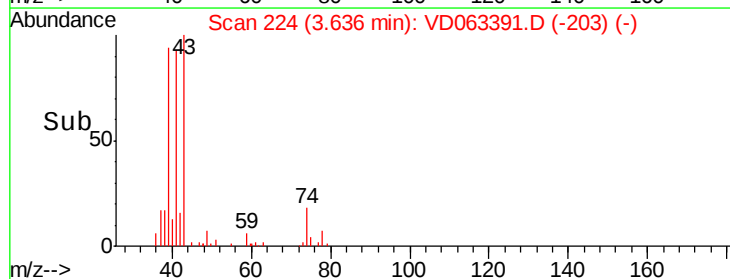
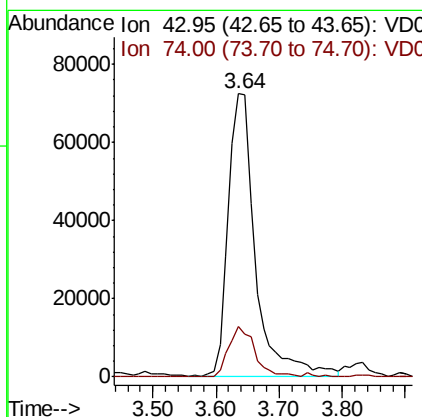
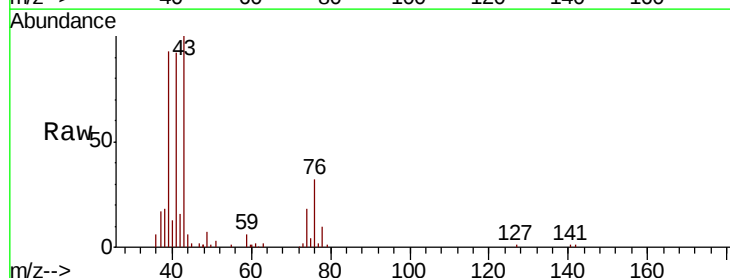
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

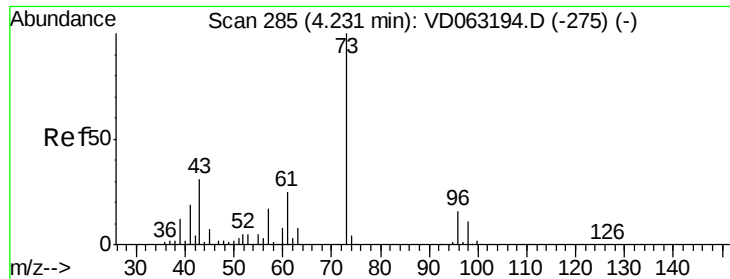
Tgt Ion: 76 Resp: 1074370
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 55.903 ug/l
RT: 3.64 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 43 Resp: 217687
Ion Ratio Lower Upper
43 100
74 17.7 13.8 20.8



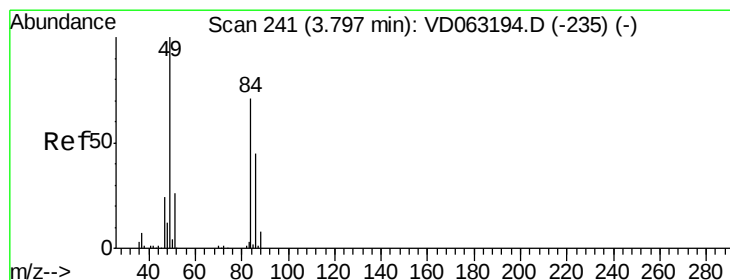
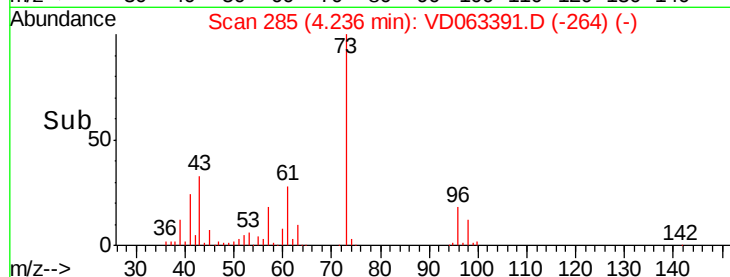
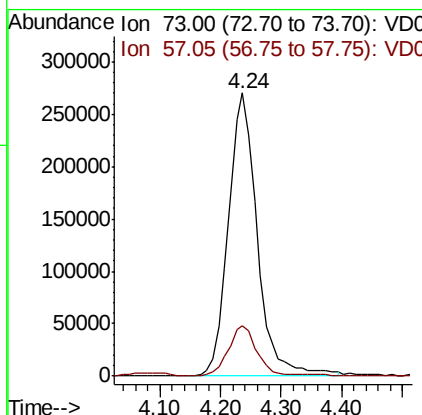
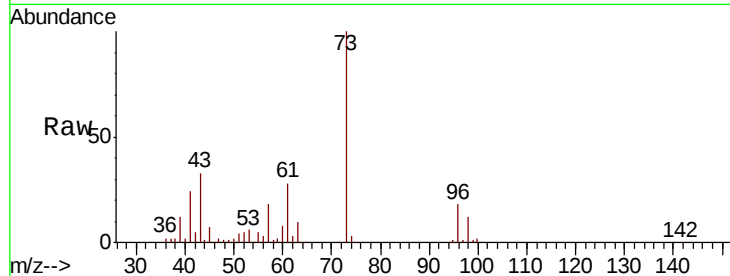


#19

Methyl tert-butyl Ether
 Concen: 54.578 ug/l
 RT: 4.24 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

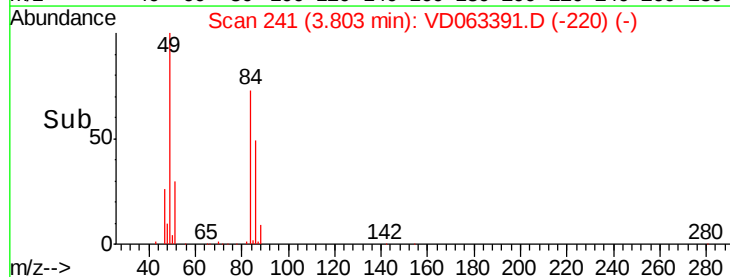
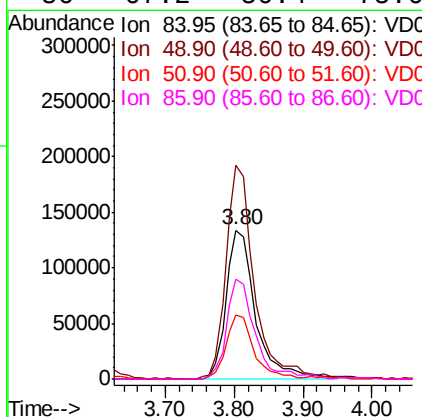
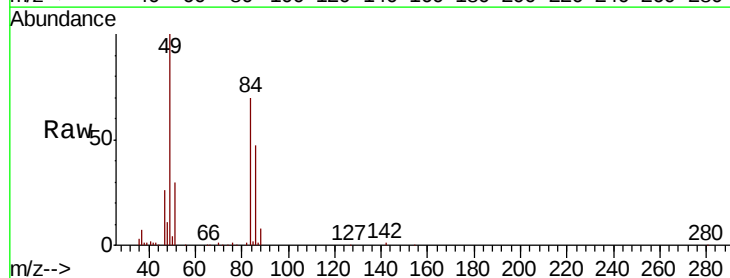
Tgt Ion: 73 Resp: 896671
 Ion Ratio Lower Upper
 73 100
 57 17.7 13.8 20.6

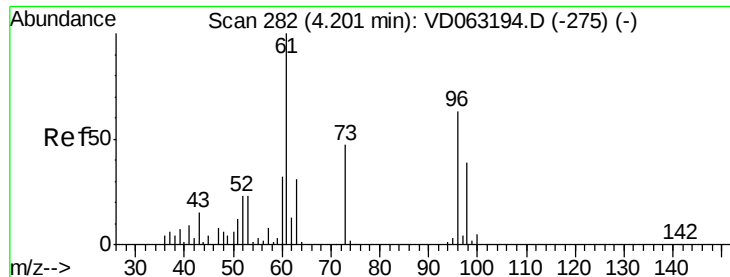


#20

Methylene Chloride
 Concen: 48.229 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 84 Resp: 395212
 Ion Ratio Lower Upper
 84 100
 49 143.8 112.5 168.7
 51 43.2 29.6 44.4
 86 67.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 50.140 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

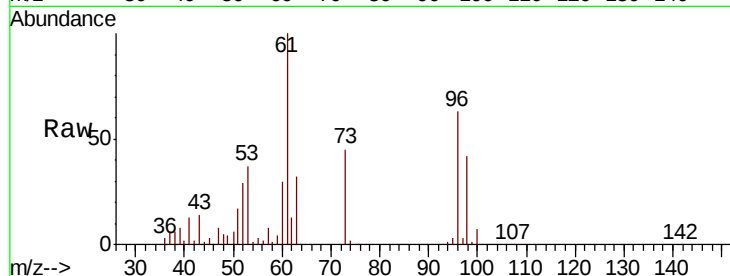
Tgt Ion: 96 Resp: 409181

Ion Ratio Lower Upper

96 100

61 158.5 127.4 191.2

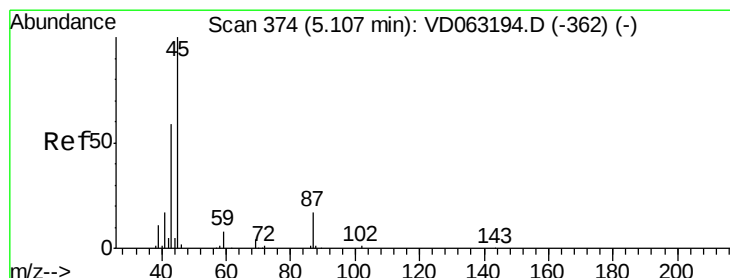
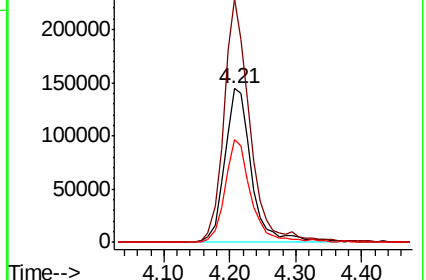
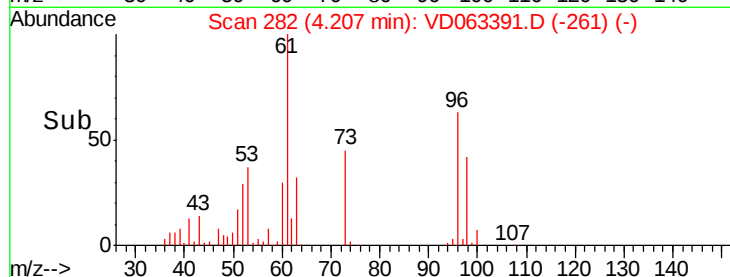
98 67.0 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 53.226 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Tgt Ion: 45 Resp: 1232114

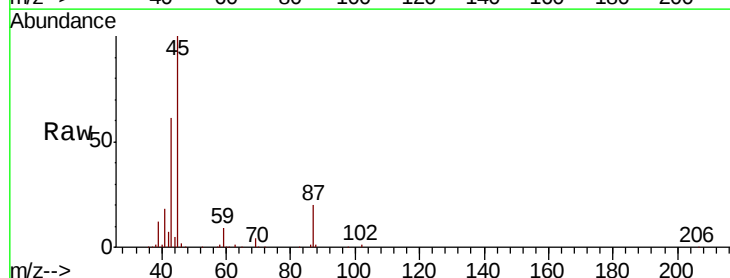
Ion Ratio Lower Upper

45 100

43 60.8 51.7 77.5

87 19.6 14.6 21.8

59 9.3 6.6 10.0

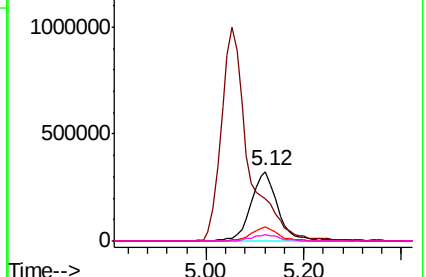
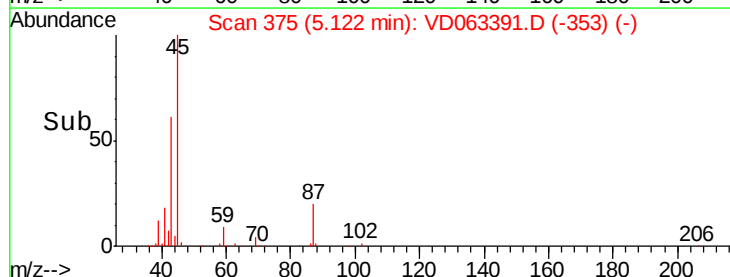


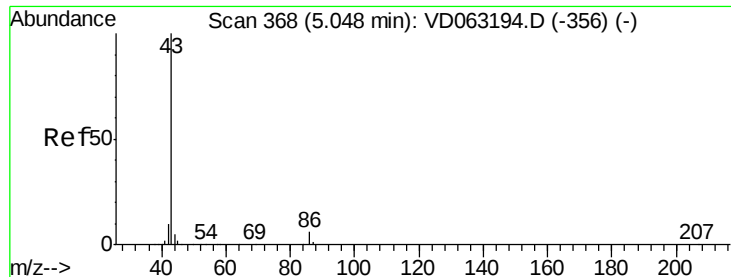
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 268.429 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

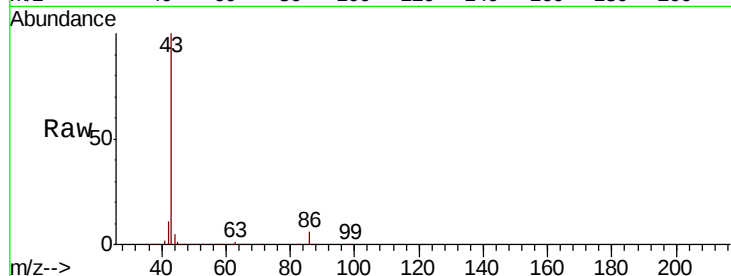
VSTDCCC050EC

Tgt Ion: 43 Resp: 3819604

Ion Ratio Lower Upper

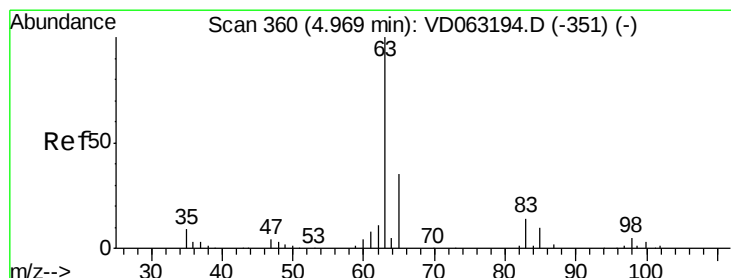
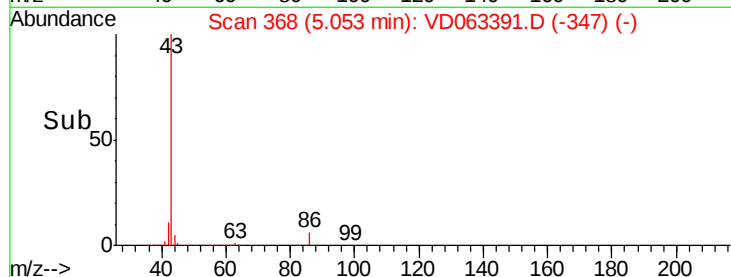
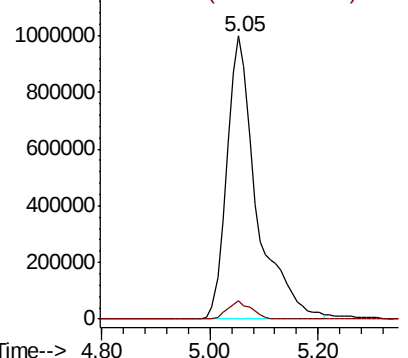
43 100

86 6.4 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.316 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

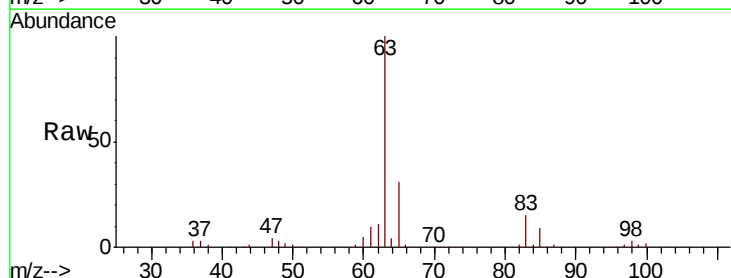
Tgt Ion: 63 Resp: 743985

Ion Ratio Lower Upper

63 100

98 3.3 2.8 8.4

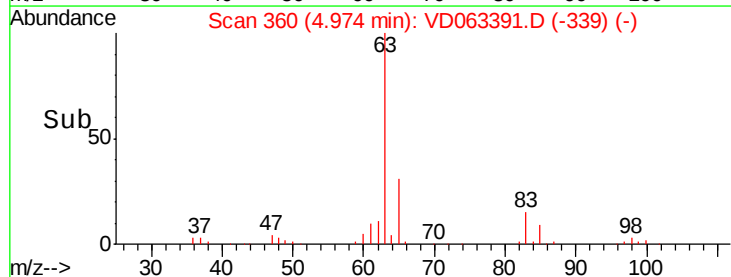
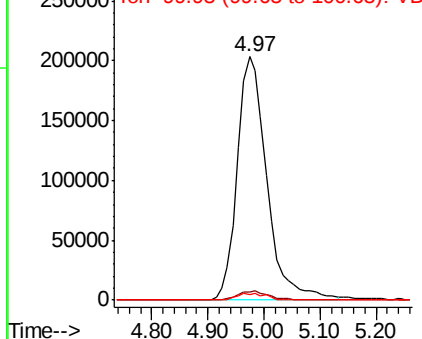
100 2.2 1.3 3.9

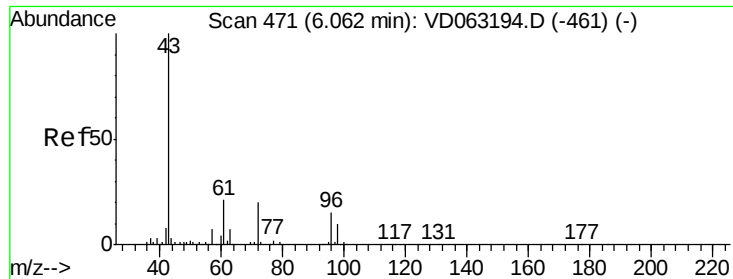


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

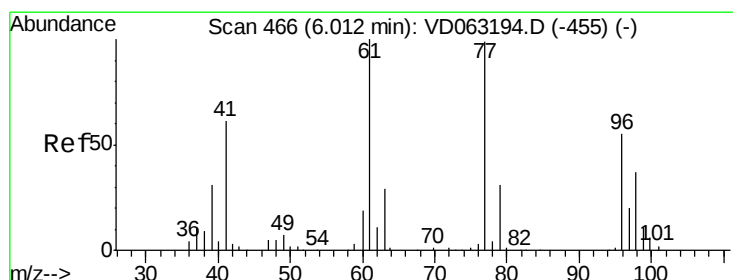
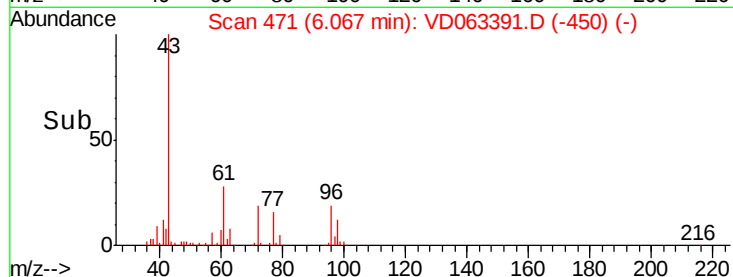
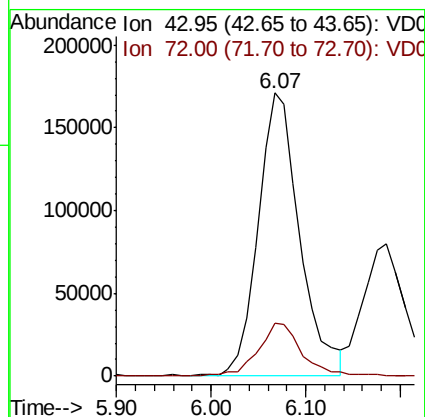
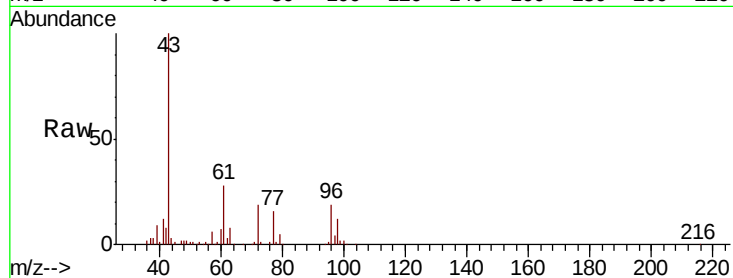




#25
2-Butanone
Concen: 254.443 ug/l
RT: 6.07 min Scan# 471
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

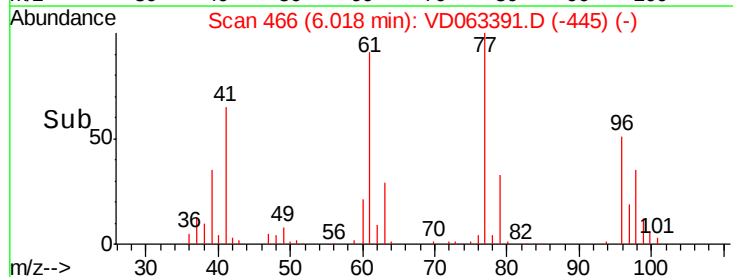
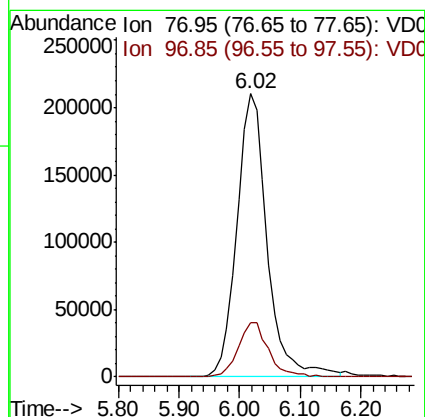
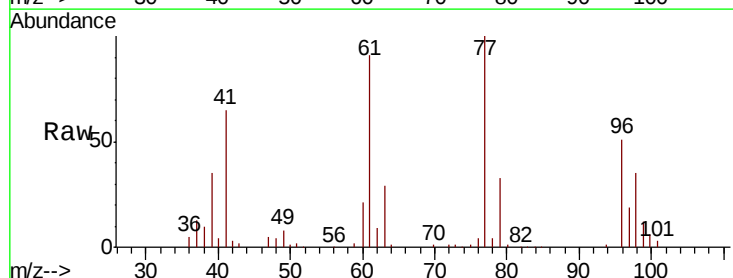
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 517670
Ion Ratio Lower Upper
43 100
72 18.6 16.3 24.5



#26
2,2-Dichloropropane
Concen: 47.908 ug/l
RT: 6.02 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 77 Resp: 730013
Ion Ratio Lower Upper
77 100
97 19.3 10.2 30.6



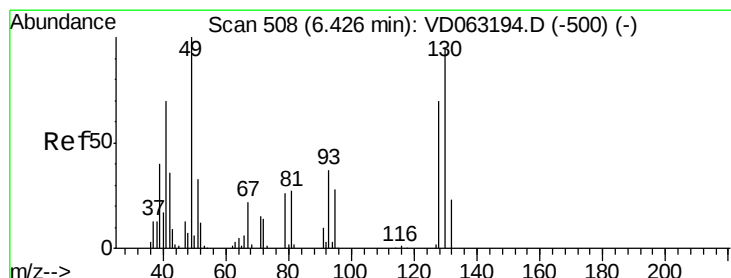
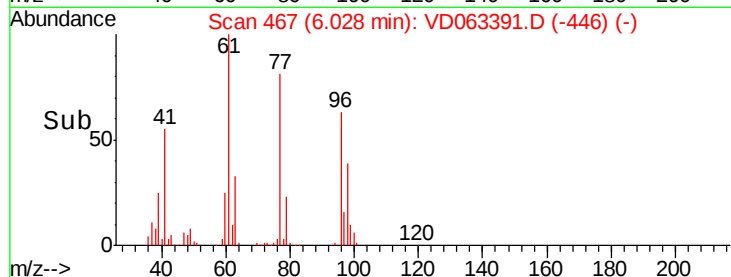
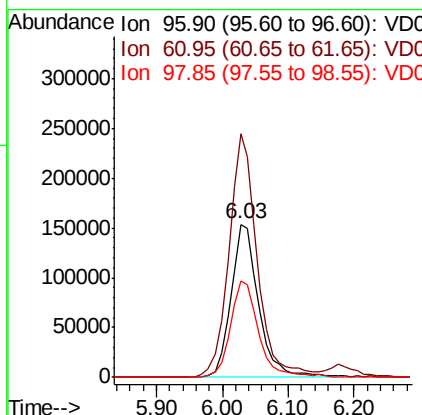
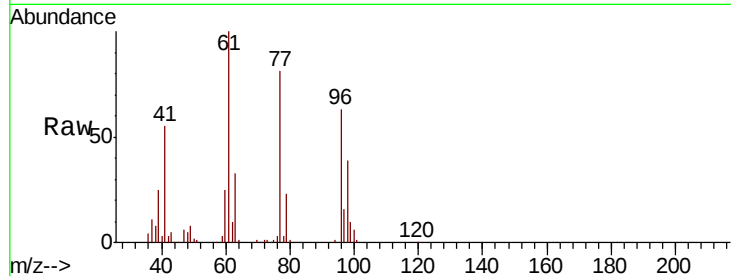


#27

cis-1,2-Dichloroethene
 Concen: 51.658 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

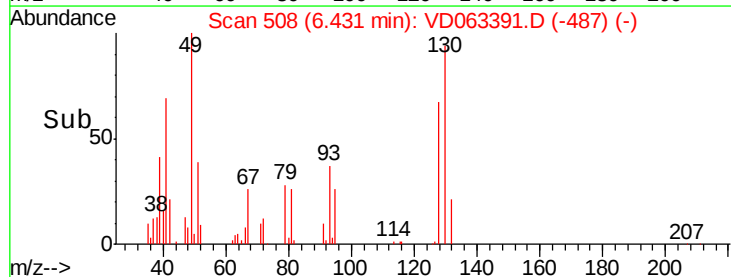
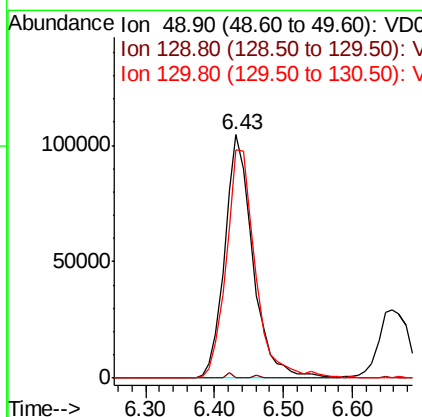
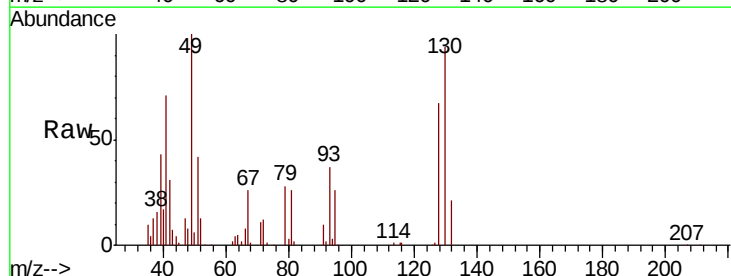
Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	337.2
98	62.8	0.0	130.6

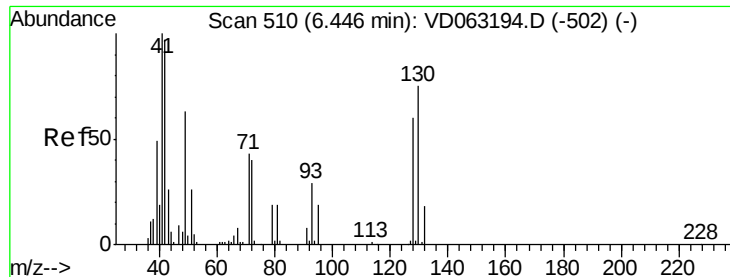


#28

Bromochloromethane
 Concen: 50.272 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	93.9	75.7	113.5





#29

Tetrahydrofuran

Concen: 269.411 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

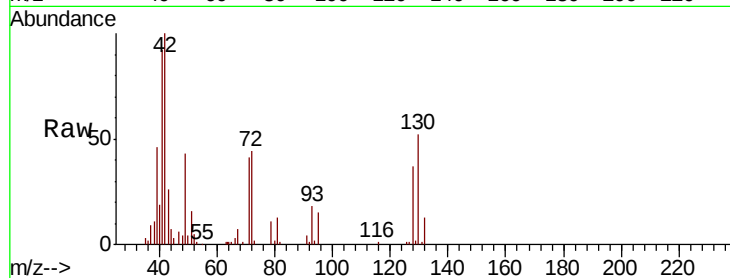
Tgt Ion: 42 Resp: 259508

Ion Ratio Lower Upper

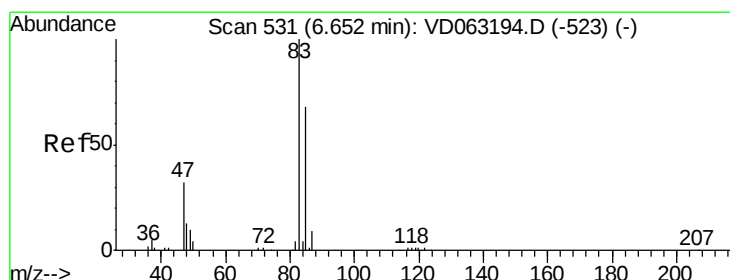
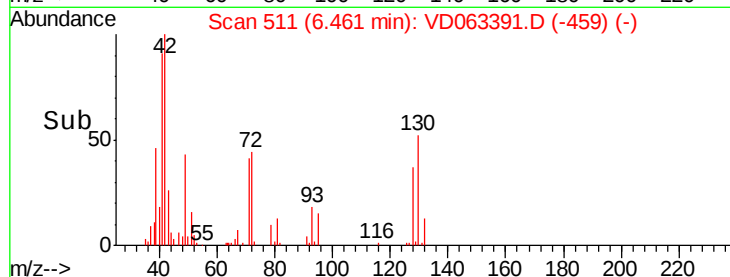
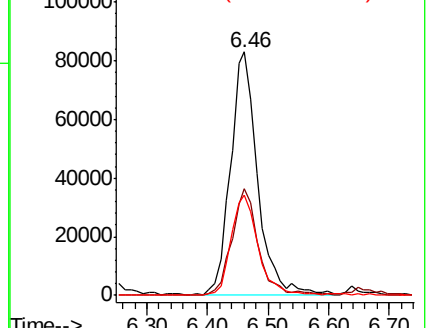
42 100

72 41.3 33.4 50.2

71 40.8 35.7 53.5



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



#30

Chloroform

Concen: 52.405 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD063391.D

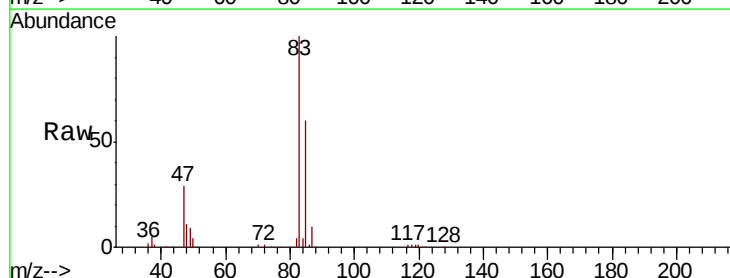
Acq: 5 Aug 2019 20:00

Tgt Ion: 83 Resp: 961634

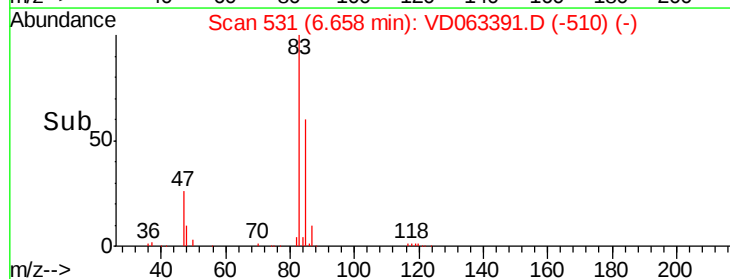
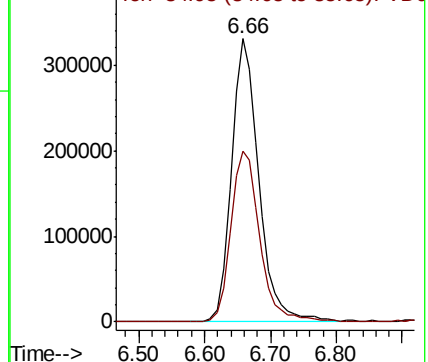
Ion Ratio Lower Upper

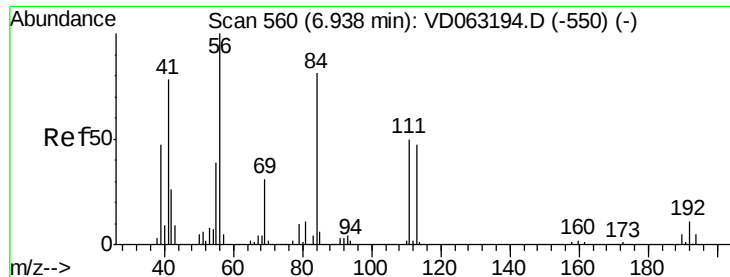
83 100

85 60.4 54.2 81.4



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

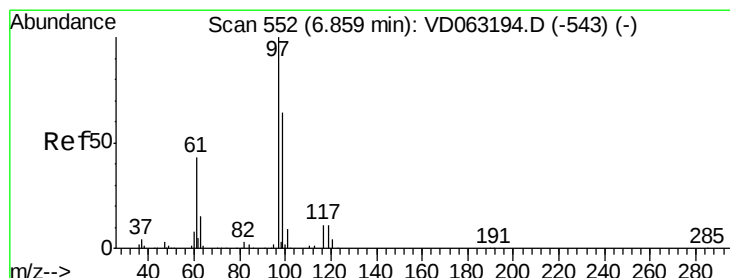
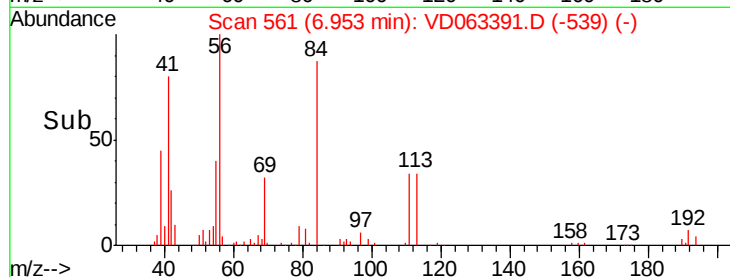
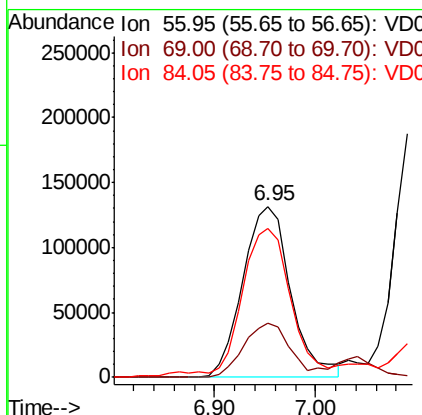
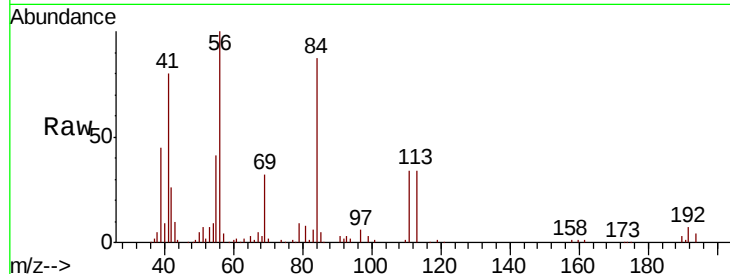




#31
Cyclohexane
Concen: 47.000 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

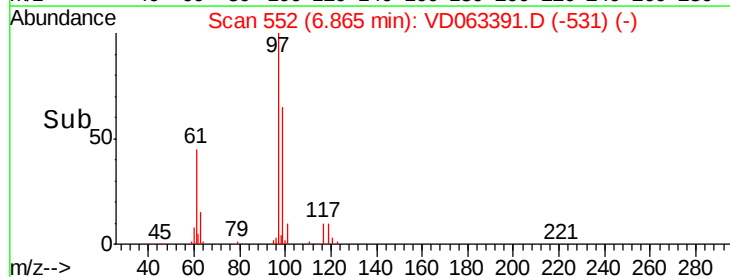
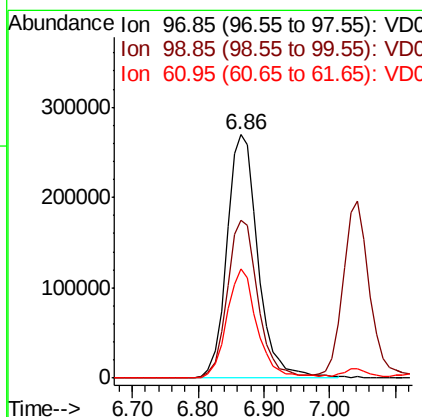
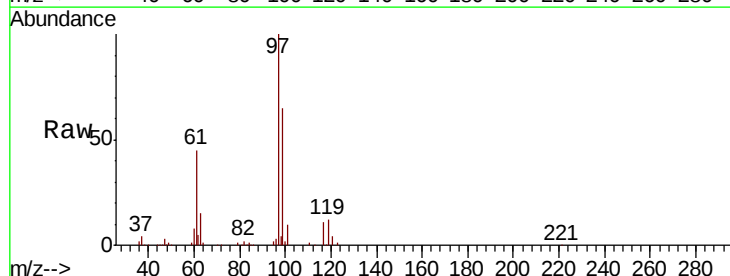
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

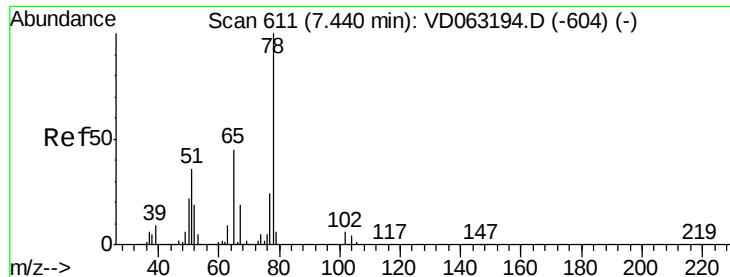
Tgt Ion: 56 Resp: 435601
Ion Ratio Lower Upper
56 100
69 31.5 24.5 36.7
84 86.6 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 50.028 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 97 Resp: 887948
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 44.7 34.2 51.2

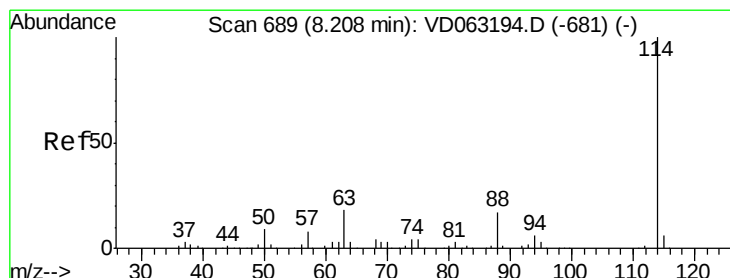
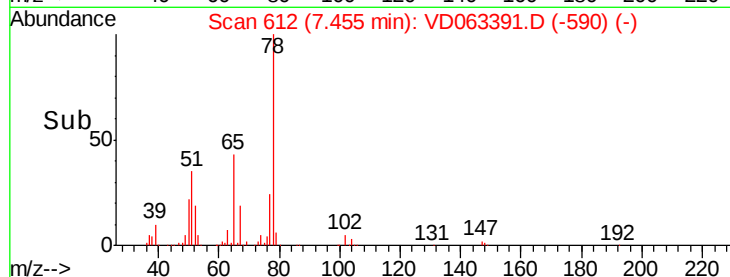
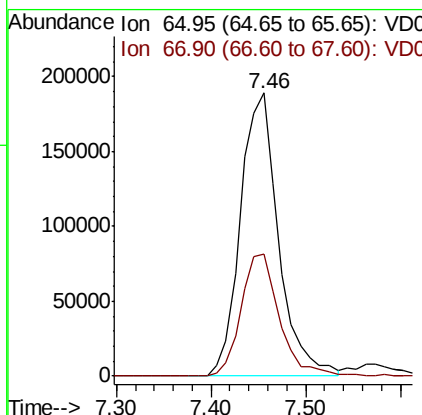
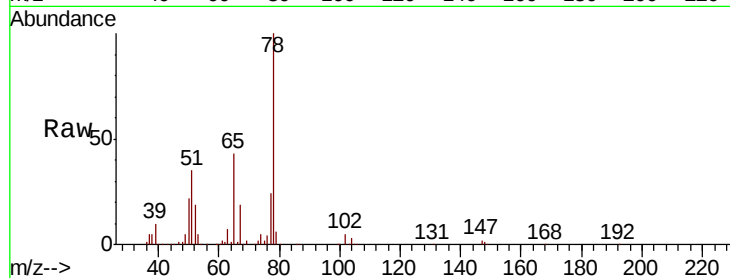




#33
 1,2-Dichloroethane-d4
 Concen: 50.679 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

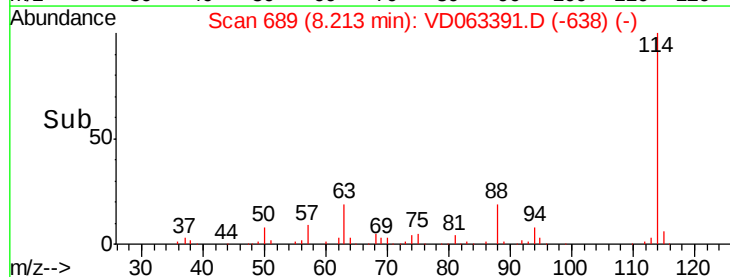
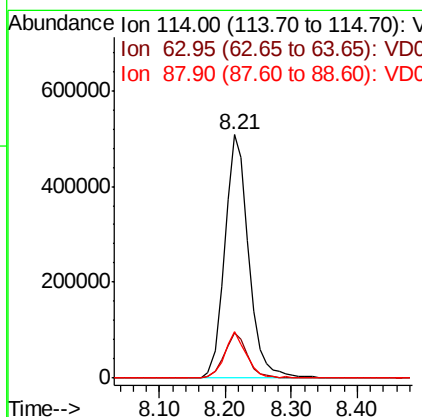
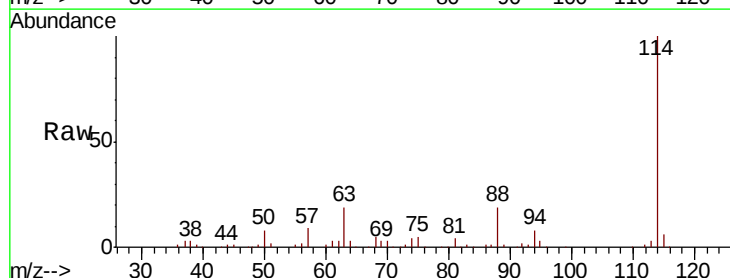
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

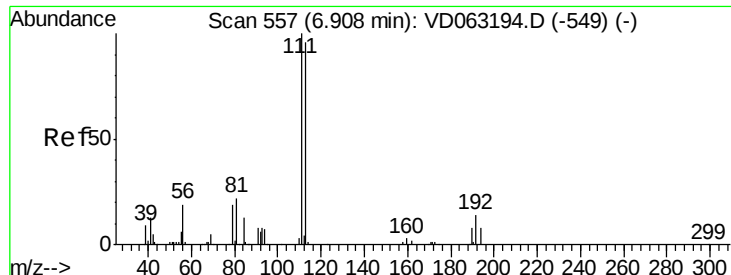
Tgt Ion: 65 Resp: 527304
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 114 Resp: 1288726
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 19.0 0.0 34.6

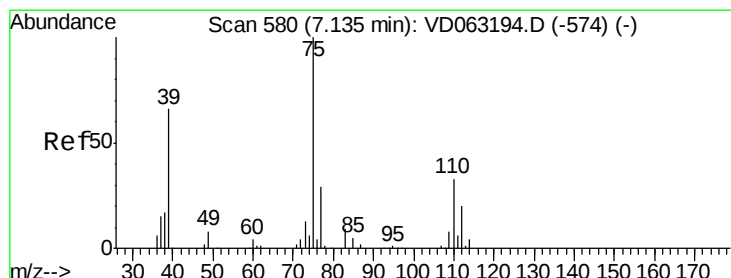
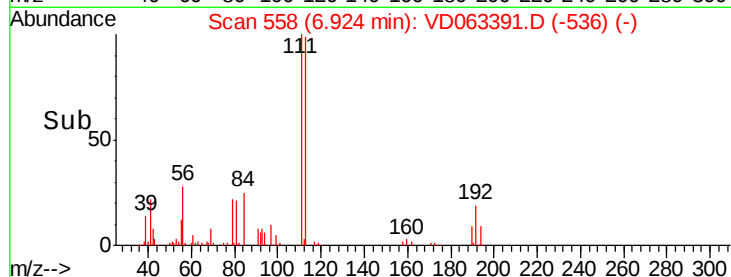
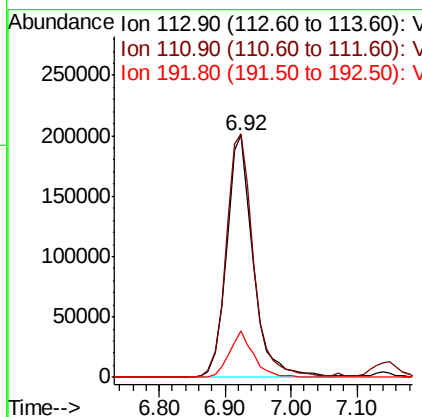
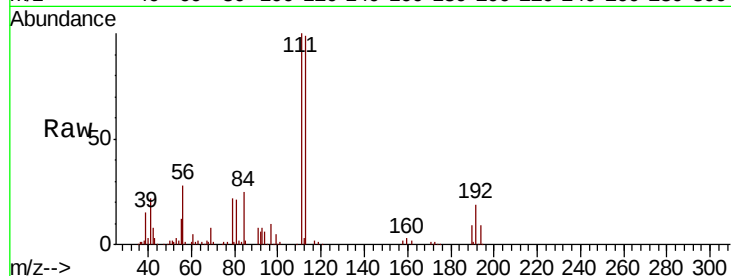




#35
 Dibromofluoromethane
 Concen: 51.343 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

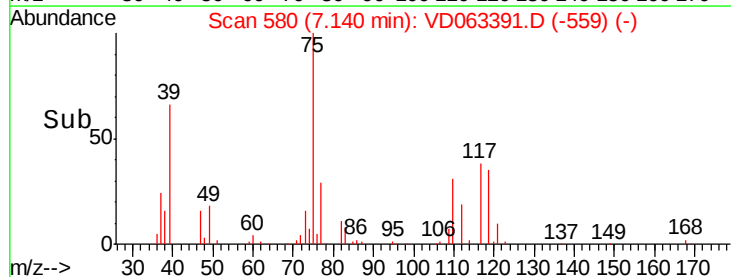
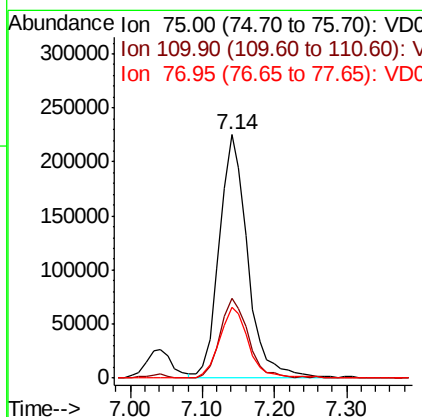
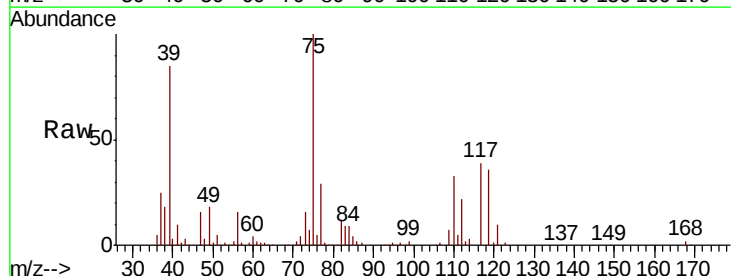
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

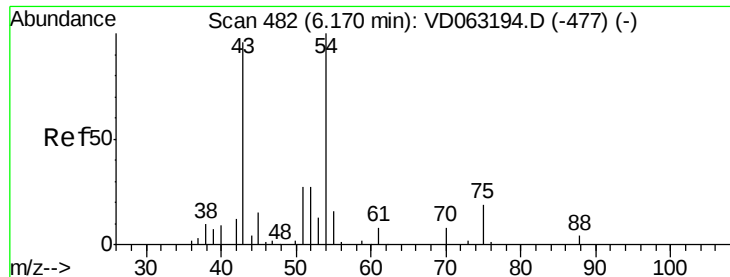
Tgt Ion:113 Resp: 564924
 Ion Ratio Lower Upper
 113 100
 111 100.6 83.2 124.8
 192 19.3 11.8 17.8#



#36
 1,1-Dichloropropene
 Concen: 51.812 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 75 Resp: 609372
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.1 48.2
 77 29.0 22.7 34.1





#37

Ethyl Acetate

Concen: 48.749 ug/l

RT: 6.19 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

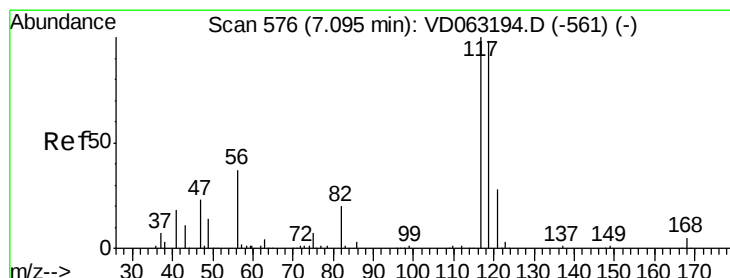
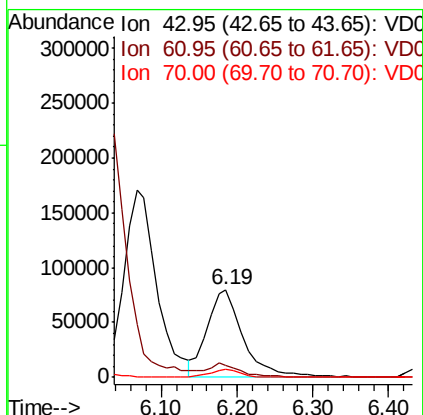
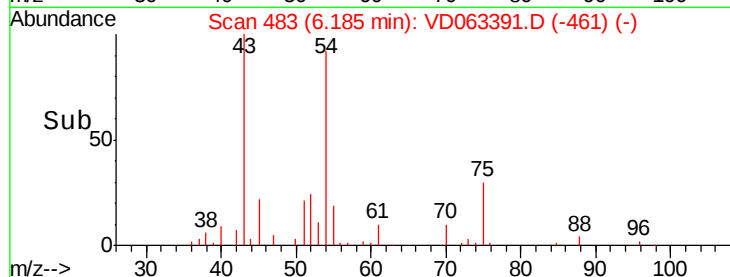
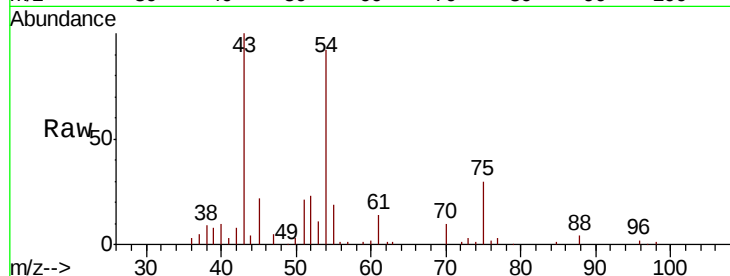
Tgt Ion: 43 Resp: 257582

Ion Ratio Lower Upper

43 100

61 13.8 11.3 16.9

70 9.8 5.1 7.7#



#38

Carbon Tetrachloride

Concen: 53.534 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

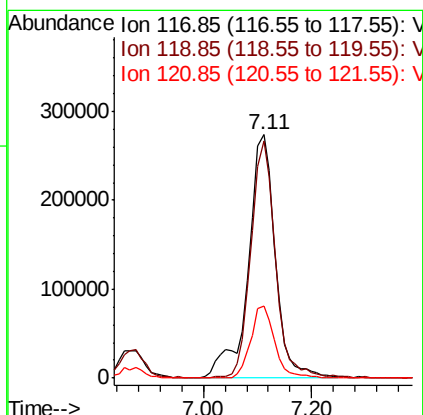
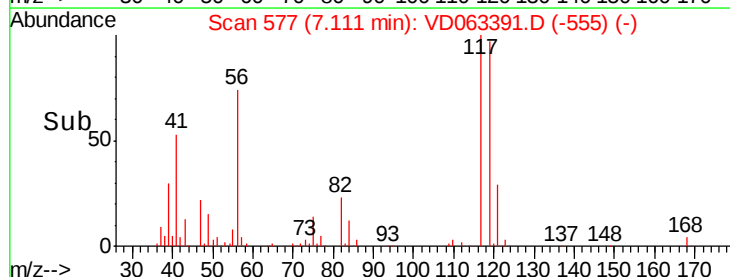
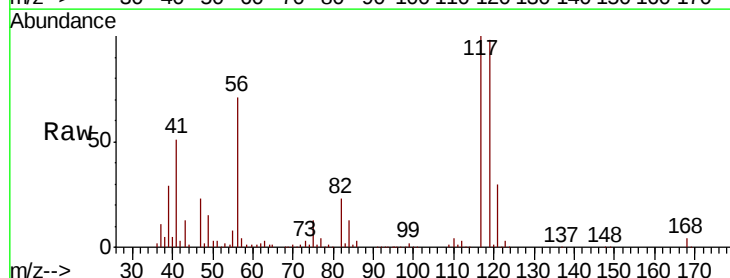
Tgt Ion: 117 Resp: 947890

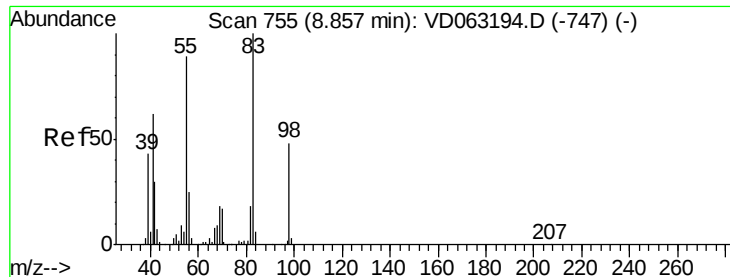
Ion Ratio Lower Upper

117 100

119 97.5 78.2 117.2

121 29.6 22.1 33.1

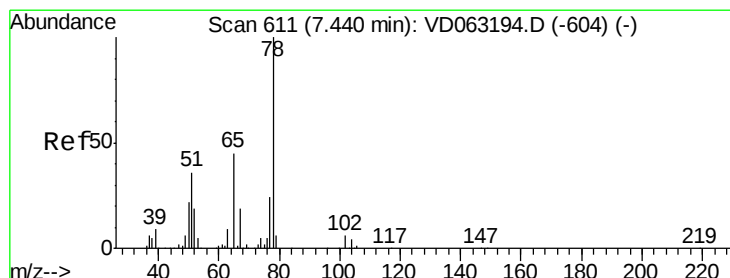
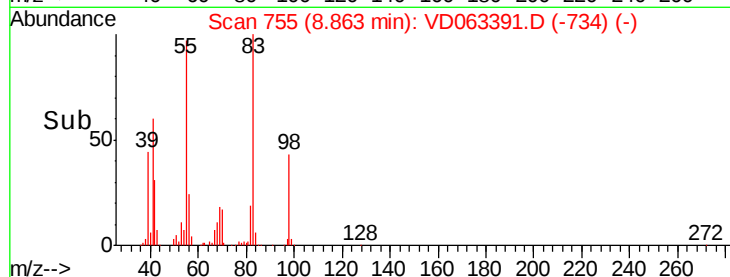
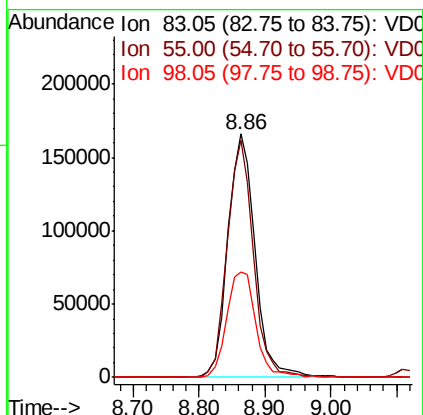
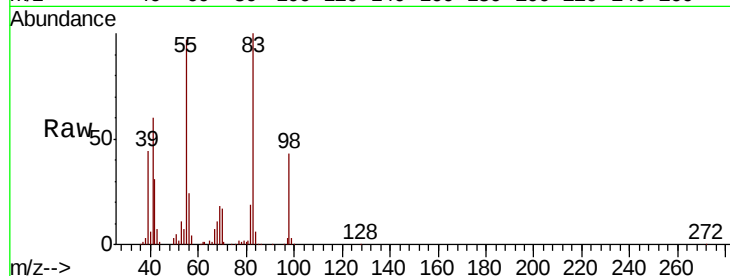




#39
Methylcyclohexane
Concen: 49.108 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

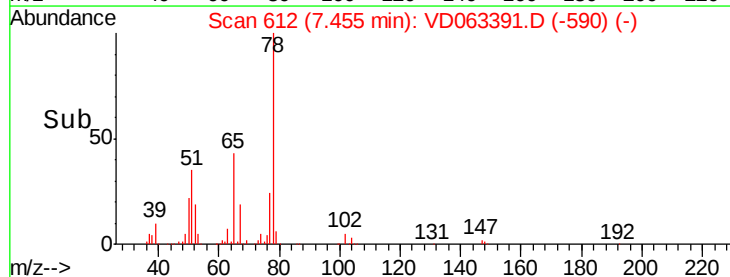
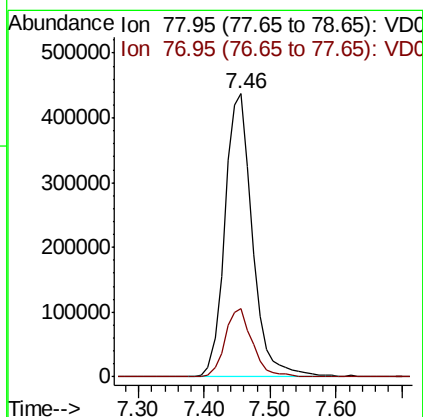
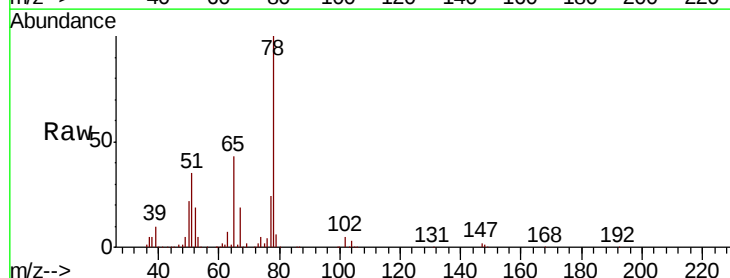
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

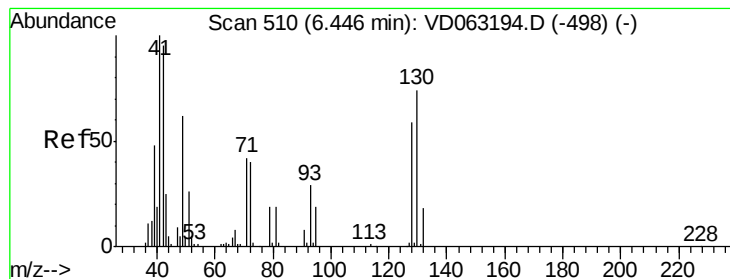
Tgt Ion: 83 Resp: 481213
Ion Ratio Lower Upper
83 100
55 97.5 71.1 106.7
98 43.3 38.5 57.7



#40
Benzene
Concen: 52.065 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.02 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 78 Resp: 1283364
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.2





#41

Methacrylonitrile

Concen: 54.581 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 344983

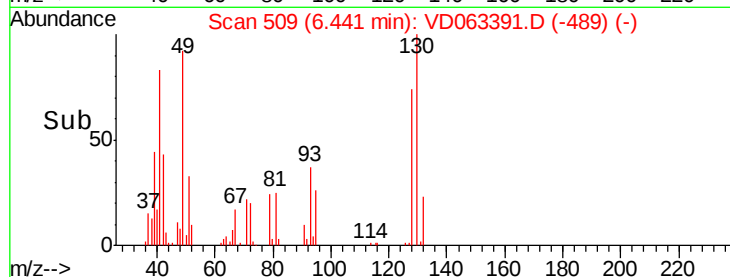
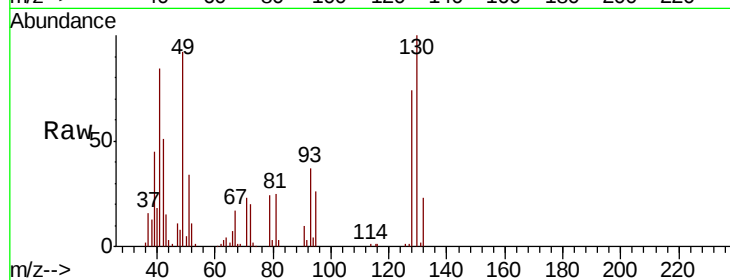
Ion Ratio Lower Upper

41 100

39 53.9 38.4 57.6

67 20.5 6.7 10.1#

52 13.5 4.3 6.5#

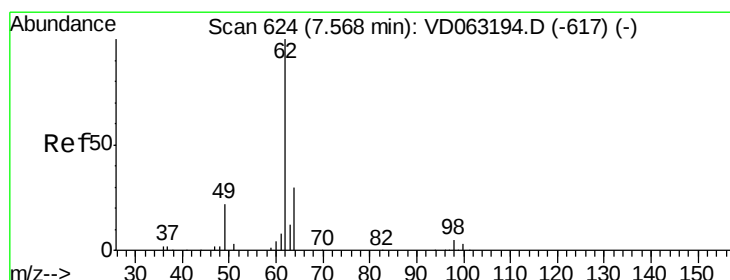
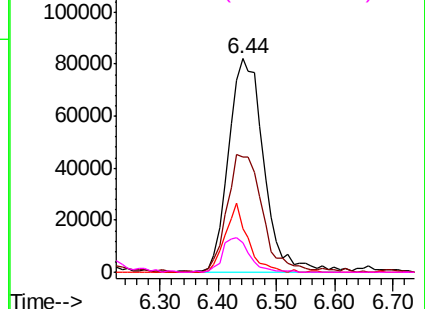


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.968 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD063391.D

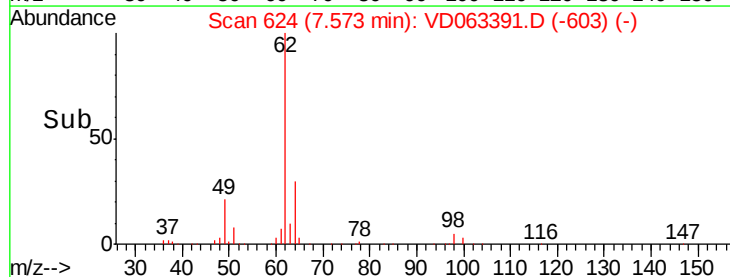
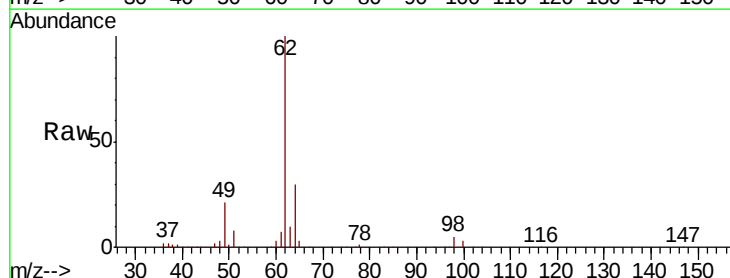
Acq: 5 Aug 2019 20:00

Tgt Ion: 62 Resp: 705018

Ion Ratio Lower Upper

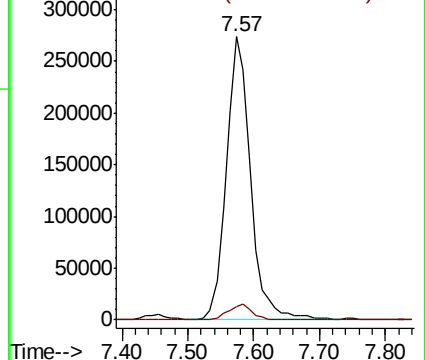
62 100

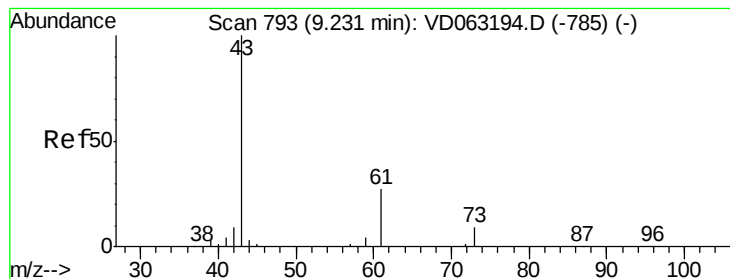
98 4.8 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.744 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

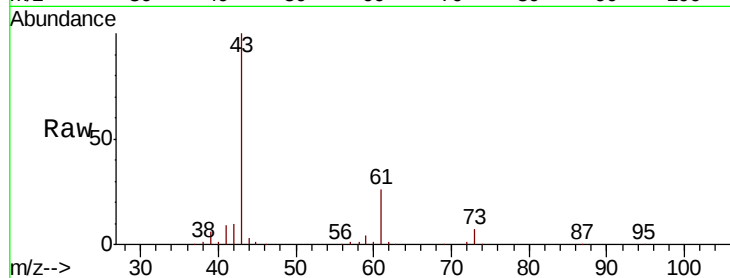
Tgt Ion: 43 Resp: 362749

Ion Ratio Lower Upper

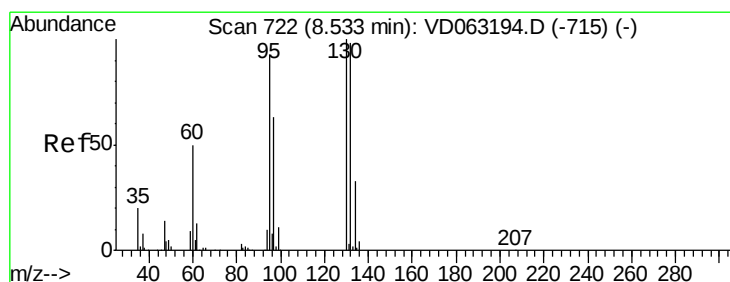
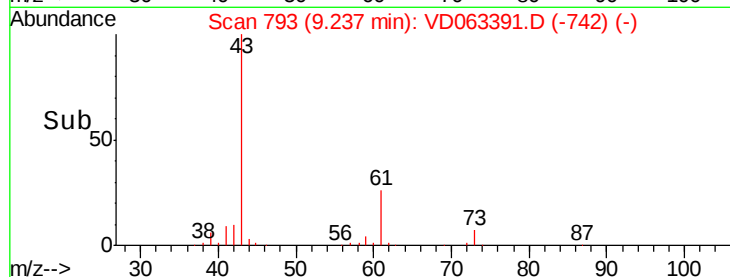
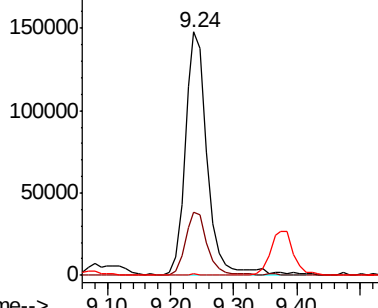
43 100

61 25.9 21.4 32.0

87 0.5 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: 49.951 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063391.D

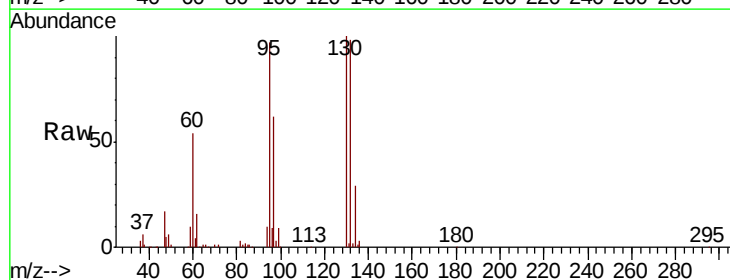
Acq: 5 Aug 2019 20:00

Tgt Ion: 130 Resp: 498922

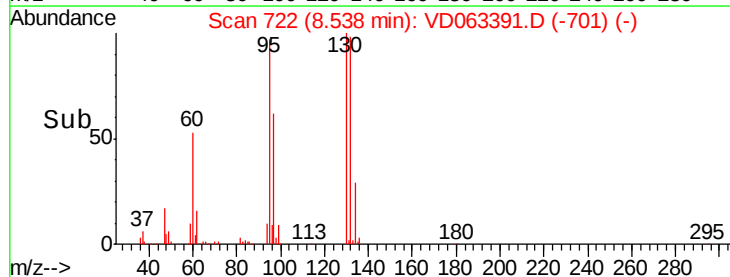
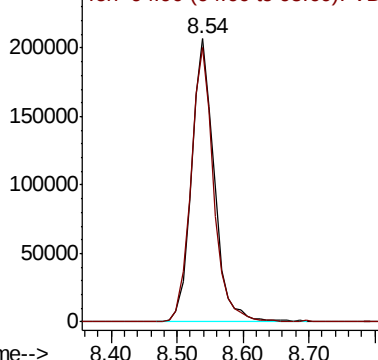
Ion Ratio Lower Upper

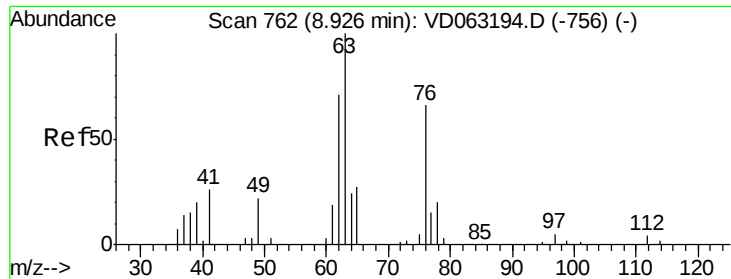
130 100

95 96.7 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 51.441 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

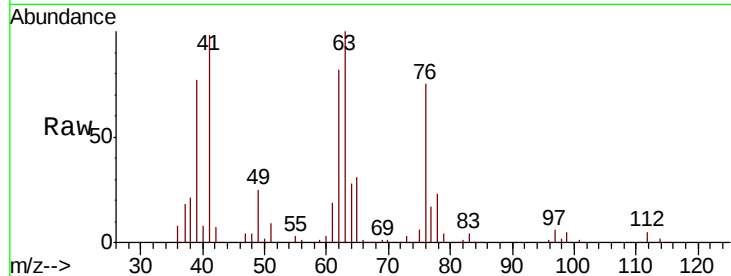
VSTDCCC050EC

Tgt Ion: 63 Resp: 322292

Ion Ratio Lower Upper

63 100

65 31.2 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

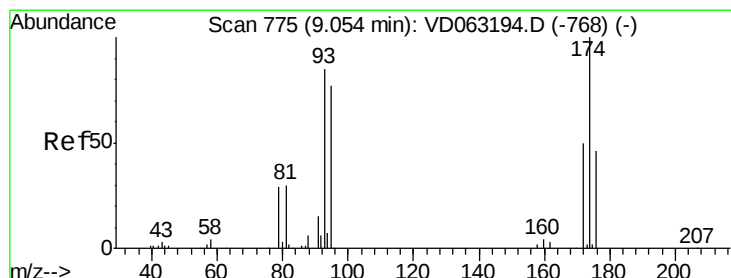
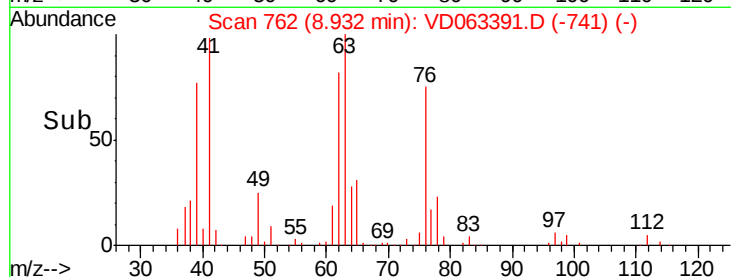
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 53.653 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

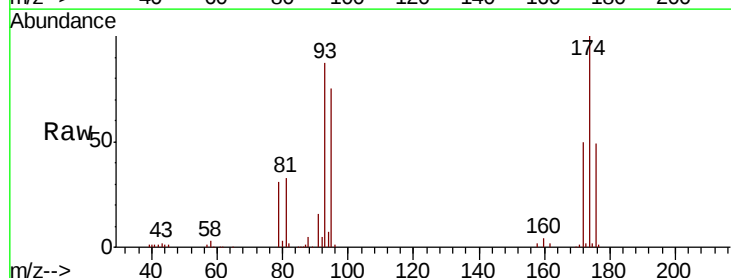
Tgt Ion: 93 Resp: 279503

Ion Ratio Lower Upper

93 100

95 86.3 72.8 109.2

174 115.2 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

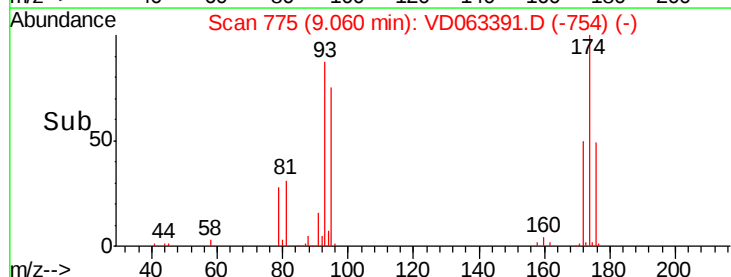
150000

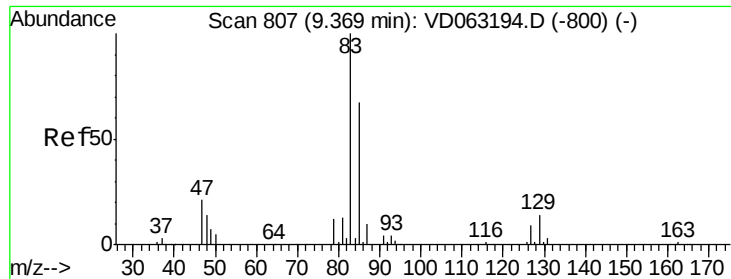
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 53.301 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

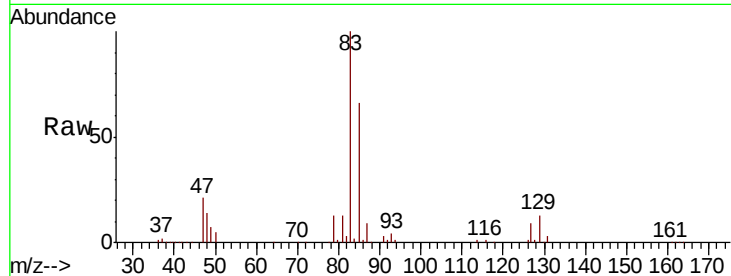
Tgt Ion: 83 Resp: 707813

Ion Ratio Lower Upper

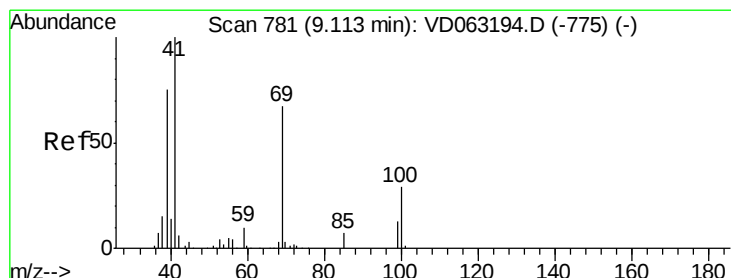
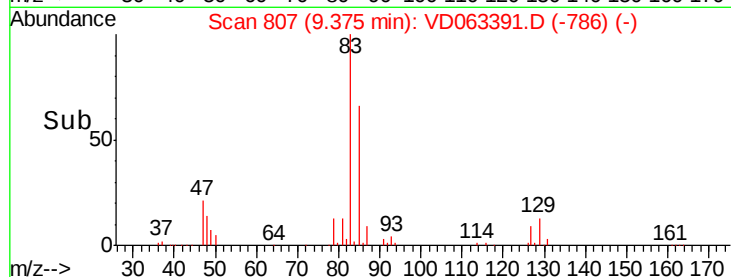
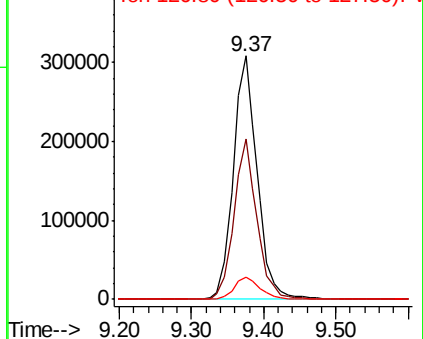
83 100

85 66.1 53.6 80.4

127 9.2 7.2 10.8



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



#48

Methyl methacrylate

Concen: 55.494 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

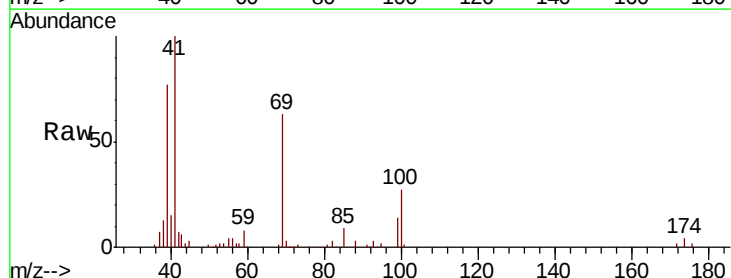
Tgt Ion: 41 Resp: 242924

Ion Ratio Lower Upper

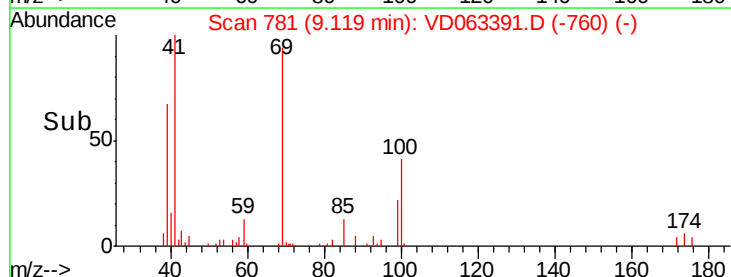
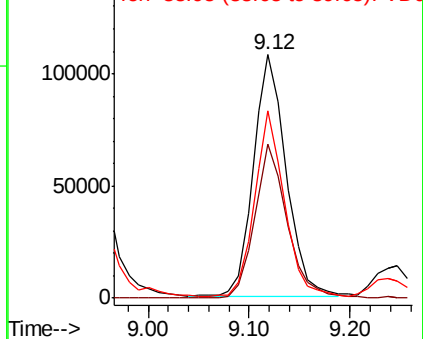
41 100

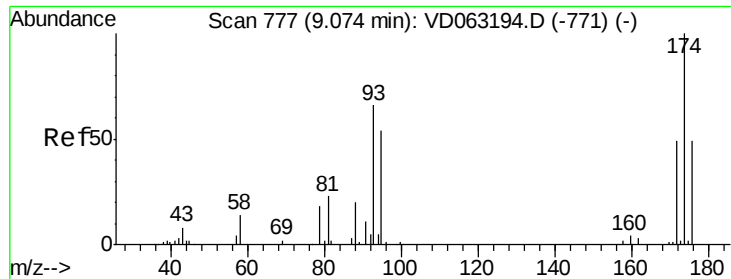
69 63.3 53.4 80.0

39 76.7 60.3 90.5



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

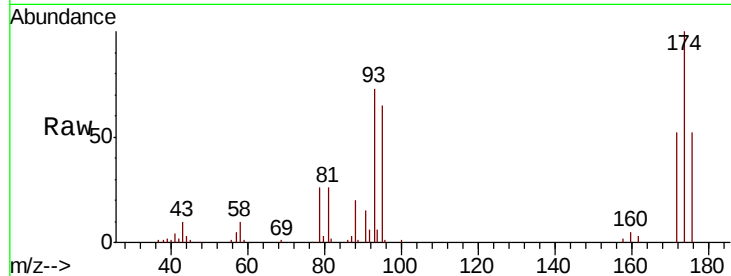




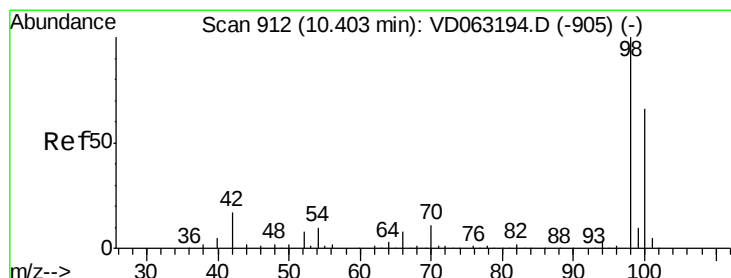
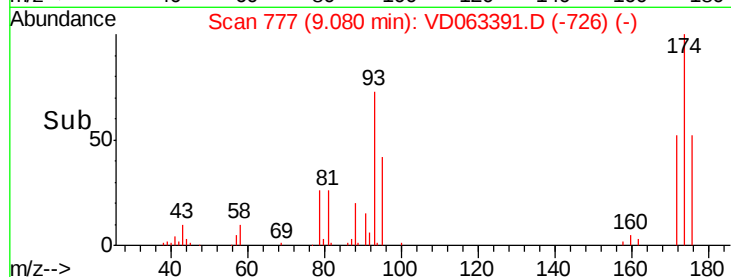
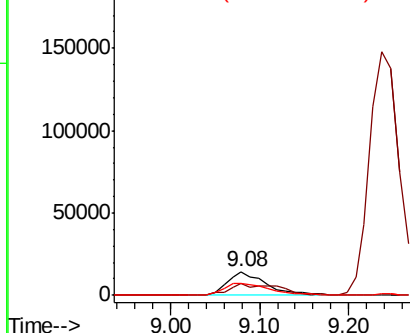
#49
 1,4-Dioxane
 Concen: 1170.988 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 43397
 Ion Ratio Lower Upper
 88 100
 43 50.4 30.7 46.1#
 58 52.4 56.5 84.7#

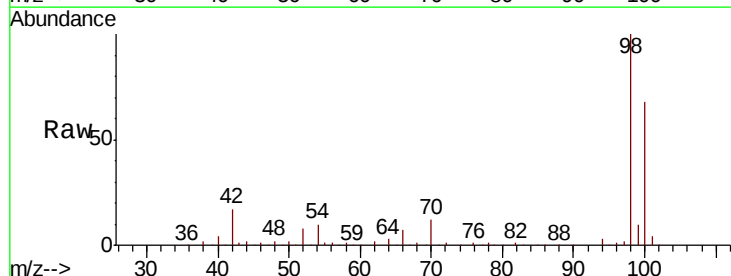


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

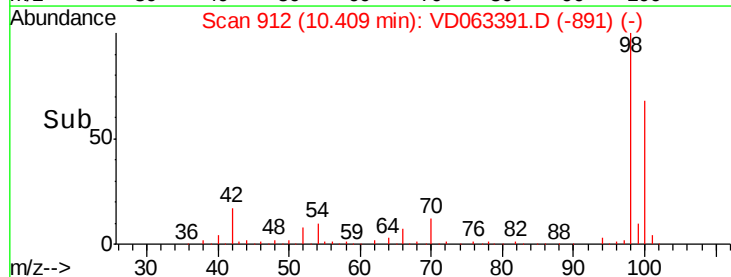
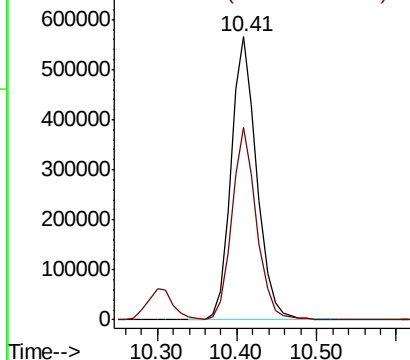


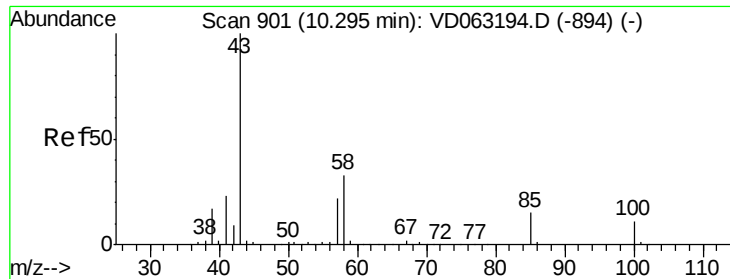
#50
 Toluene-d8
 Concen: 51.389 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 98 Resp: 1265445
 Ion Ratio Lower Upper
 98 100
 100 68.2 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 285.857 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

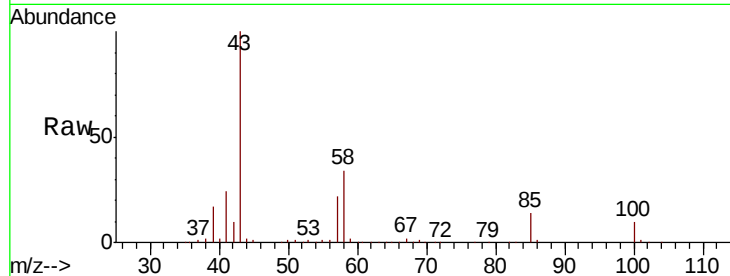
VSTDCCC050EC

Tgt Ion: 43 Resp: 1312161

Ion Ratio Lower Upper

43 100

58 33.5 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

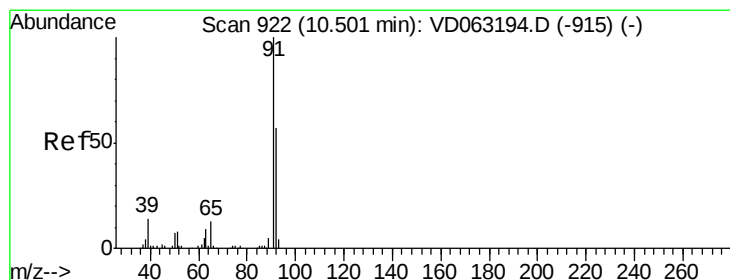
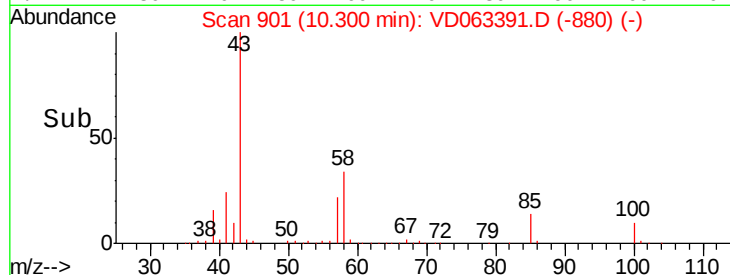
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.948 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD063391.D

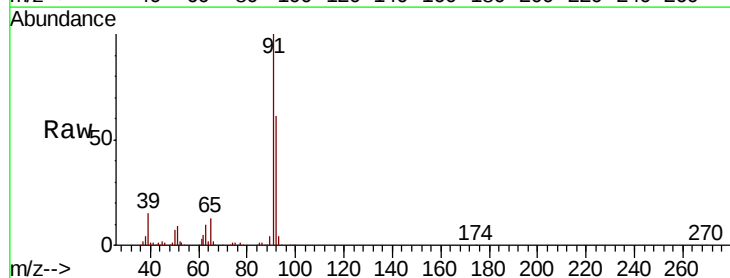
Acq: 5 Aug 2019 20:00

Tgt Ion: 92 Resp: 868045

Ion Ratio Lower Upper

92 100

91 164.9 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

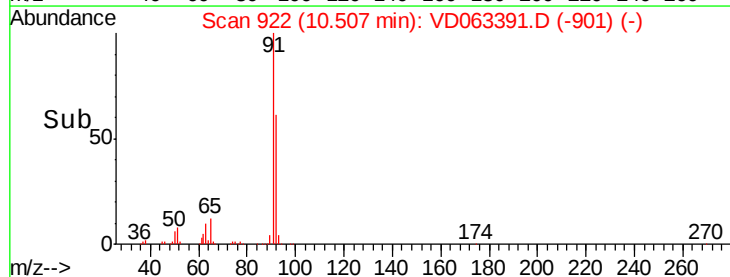
600000

400000

200000

0

Time-->

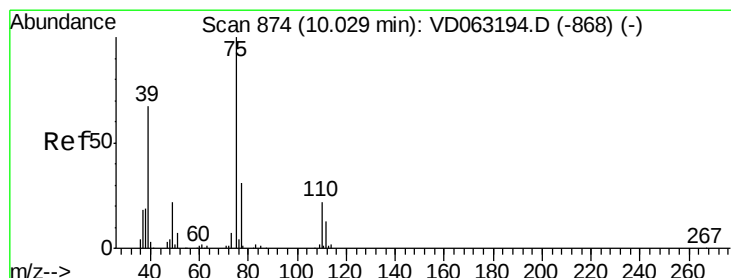
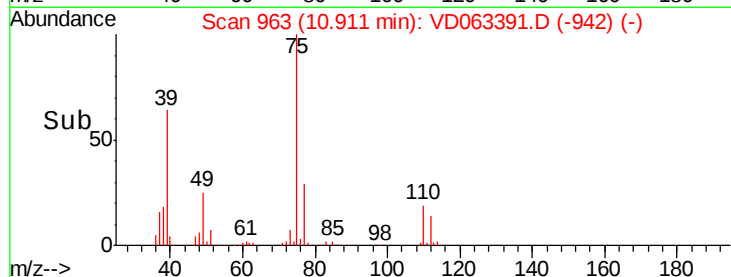
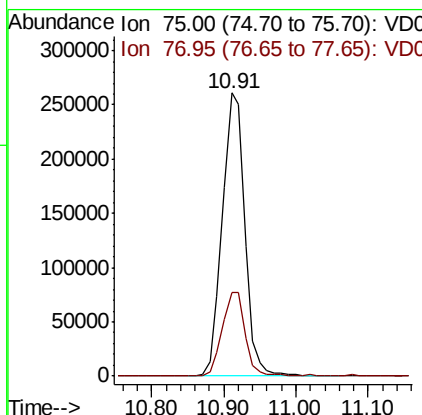
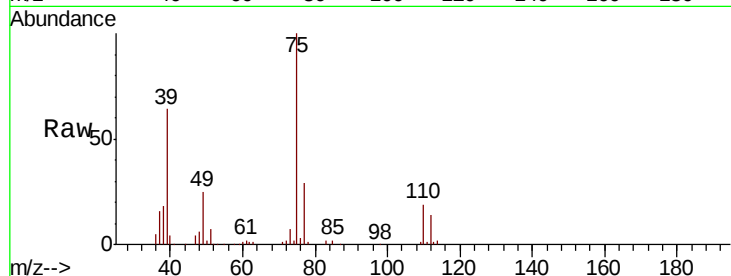




#53
t-1,3-Dichloropropene
Concen: 49.324 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

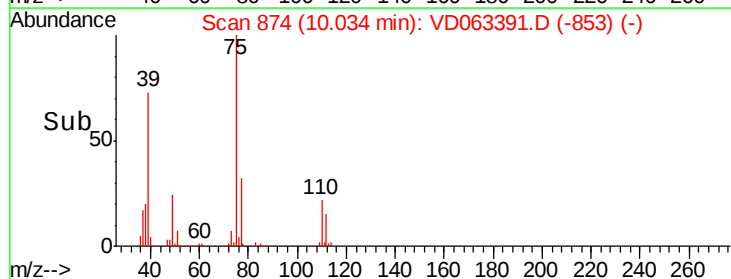
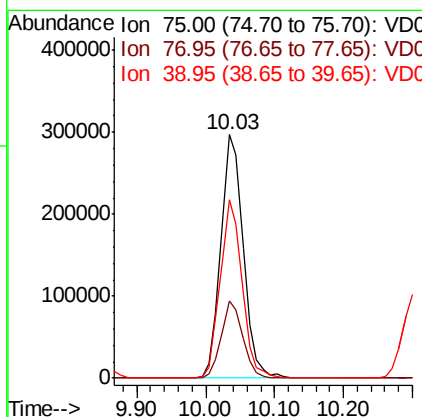
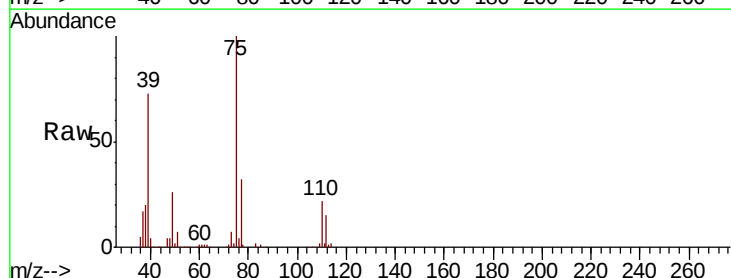
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

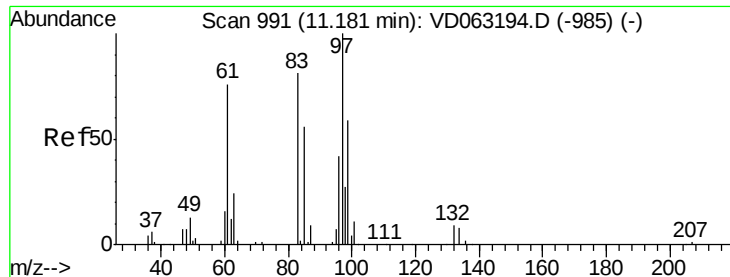
Tgt Ion: 75 Resp: 564689
Ion Ratio Lower Upper
75 100
77 29.4 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 55.804 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 75 Resp: 671450
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3
39 73.3 53.9 80.9

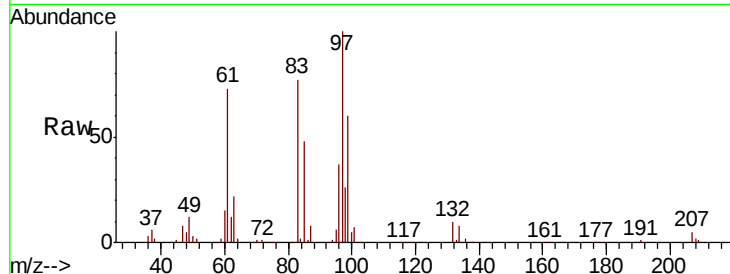




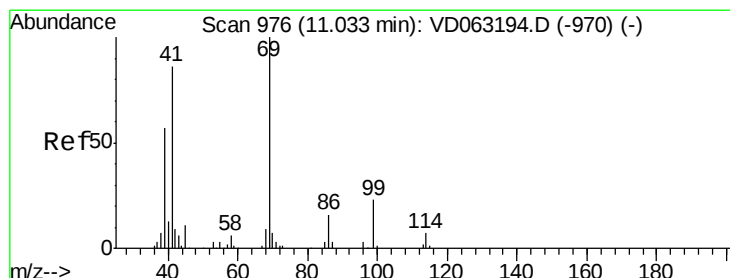
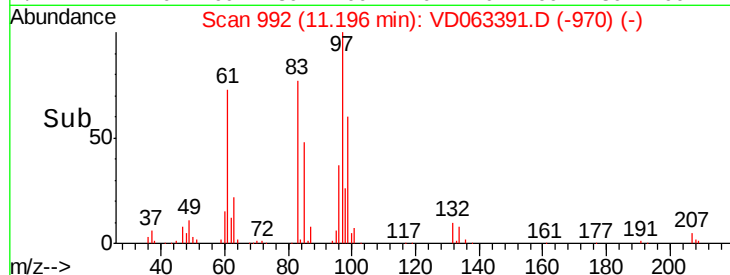
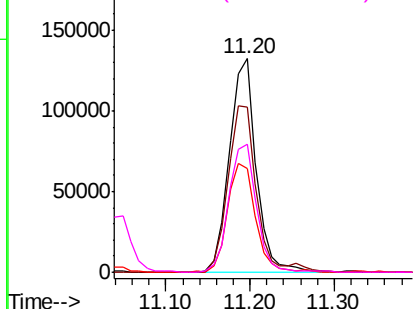
#55
 1,1,2-Trichloroethane
 Concen: 52.981 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	293354
Ion	Ratio	Lower	Upper
97	100		
83	77.1	64.8	97.2
85	48.4	44.9	67.3
99	60.2	47.2	70.8

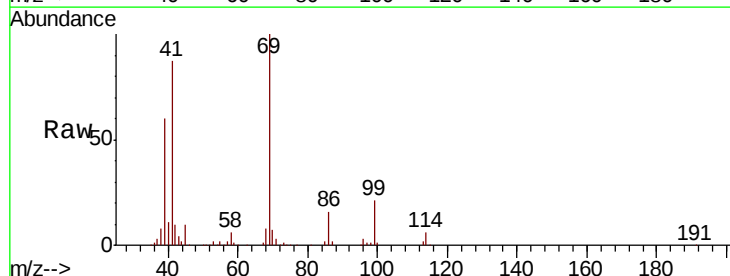


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

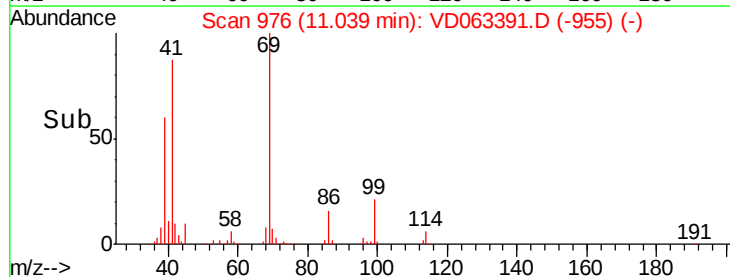
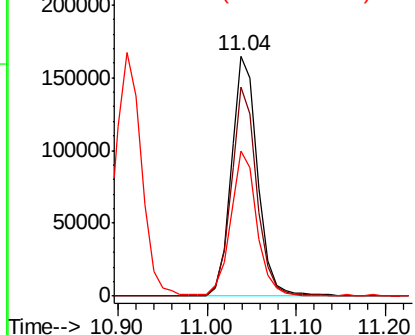


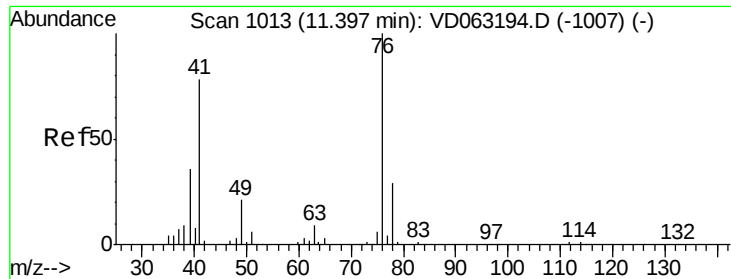
#56
 Ethyl methacrylate
 Concen: 55.847 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion:	69	Resp:	338607
Ion	Ratio	Lower	Upper
69	100		
41	86.8	68.8	103.2
39	60.4	45.8	68.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

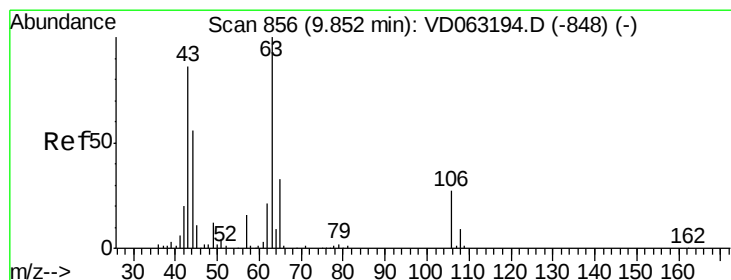
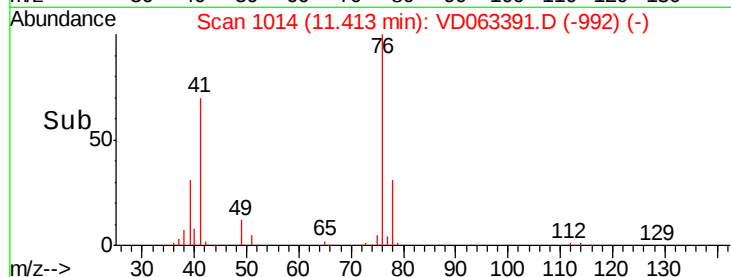
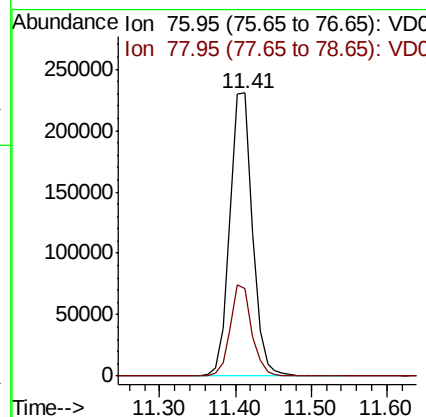
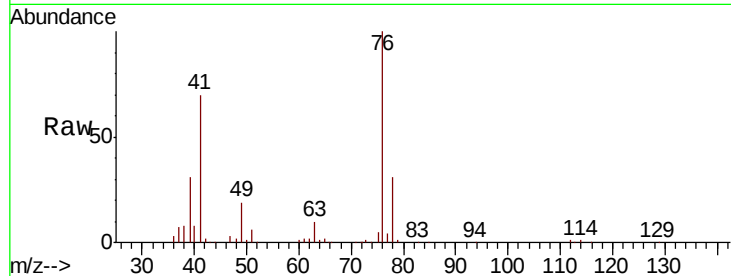




#57
 1,3-Dichloropropane
 Concen: 54.665 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

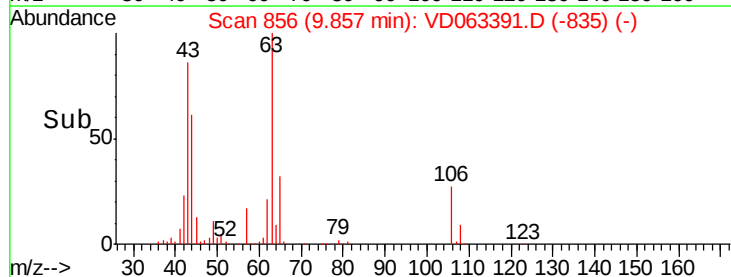
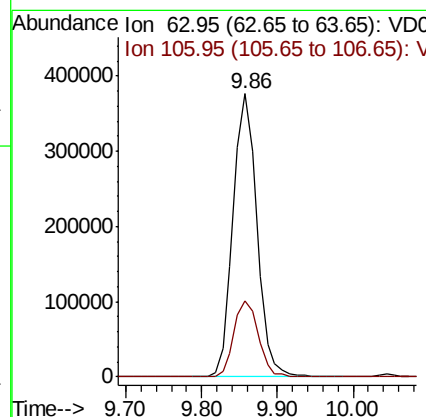
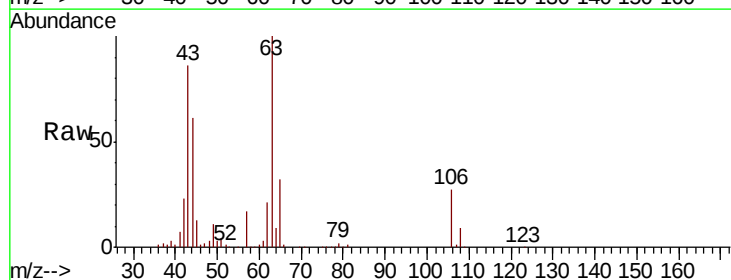
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

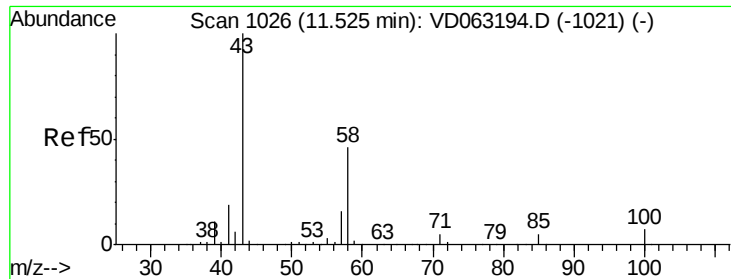
Tgt Ion: 76 Resp: 476893
 Ion Ratio Lower Upper
 76 100
 78 31.1 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.336 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 63 Resp: 821326
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.0 33.0

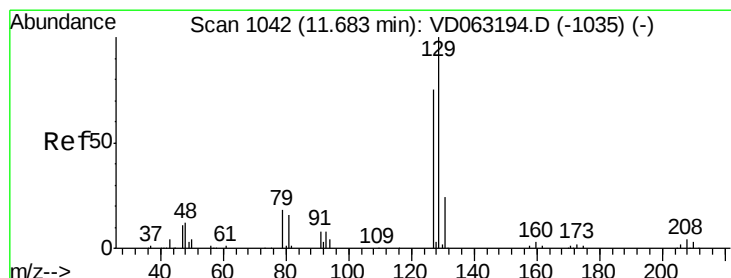
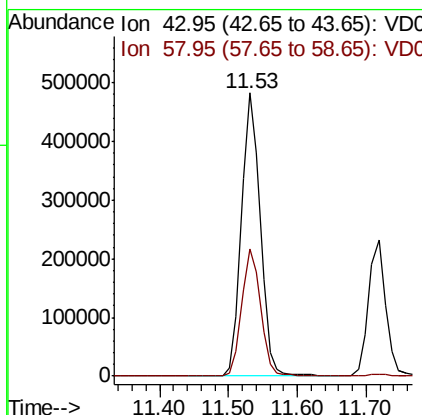
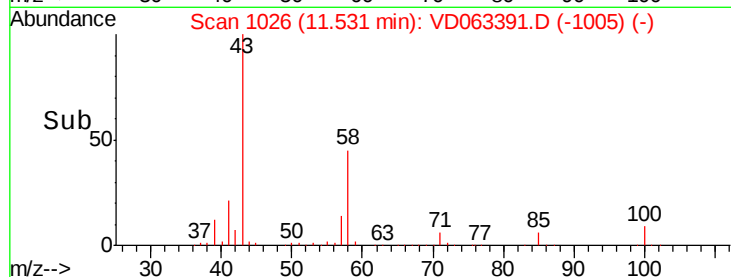
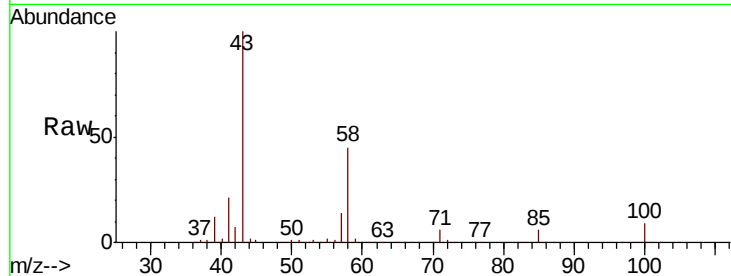




#59
 2-Hexanone
 Concen: 278.475 ug/l
 RT: 11.53 min Scan# 1026
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

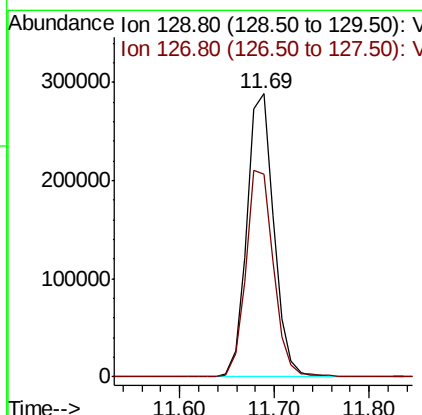
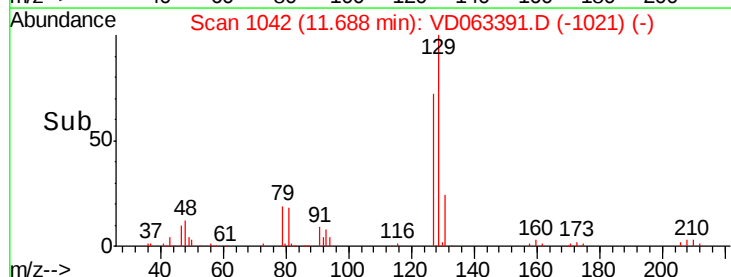
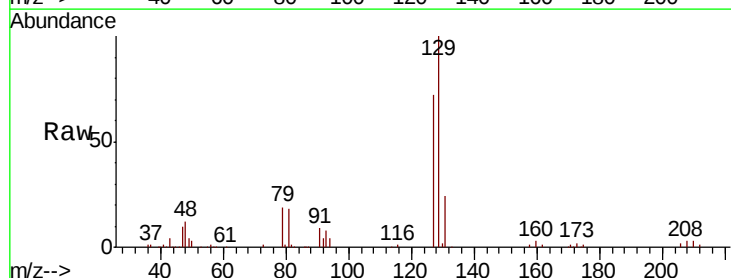
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

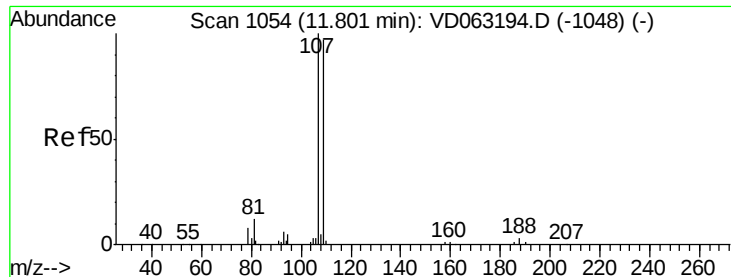
Tgt Ion: 43 Resp: 921180
 Ion Ratio Lower Upper
 43 100
 58 45.0 22.9 68.5



#60
 Dibromochloromethane
 Concen: 54.443 ug/l
 RT: 11.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 129 Resp: 569080
 Ion Ratio Lower Upper
 129 100
 127 71.5 37.6 112.8

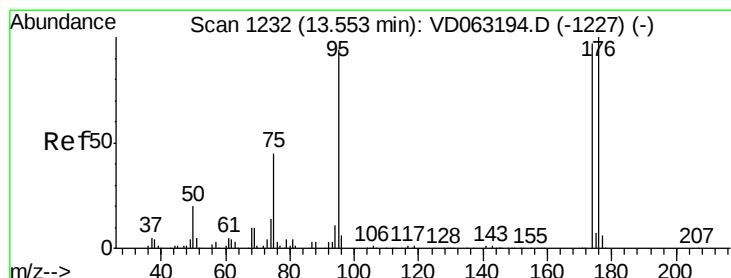
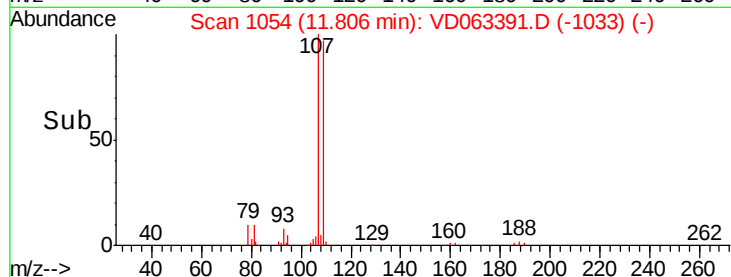
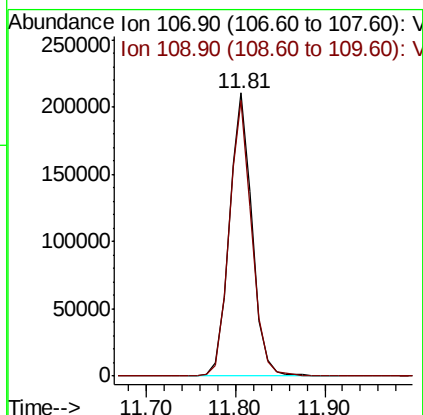
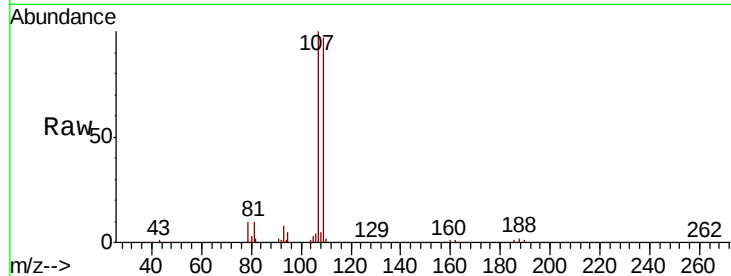




#61
 1,2-Dibromoethane
 Concen: 55.081 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

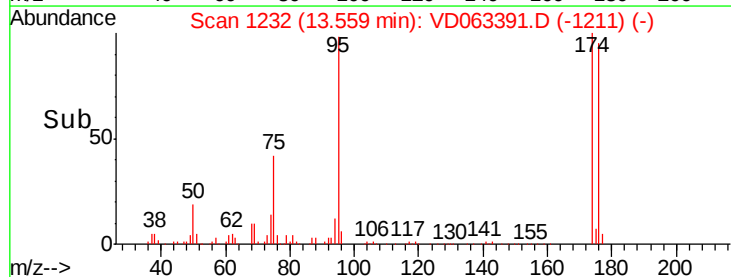
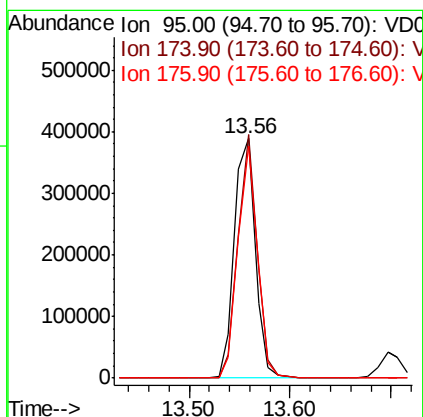
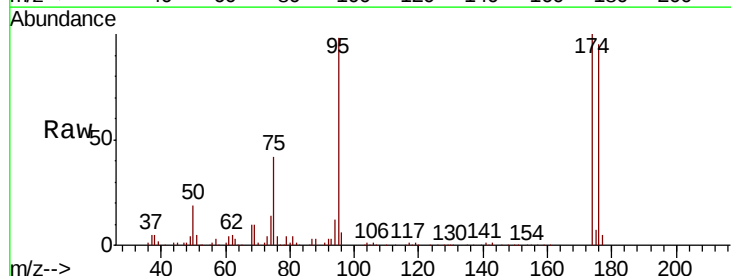
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

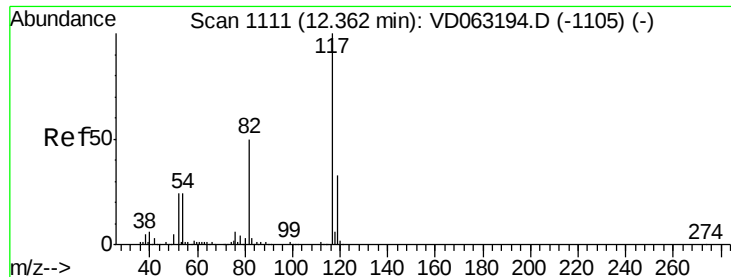
Tgt Ion: 107 Resp: 376325
 Ion Ratio Lower Upper
 107 100
 109 97.4 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 50.109 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 95 Resp: 562286
 Ion Ratio Lower Upper
 95 100
 174 101.8 0.0 205.4
 176 97.0 0.0 211.8

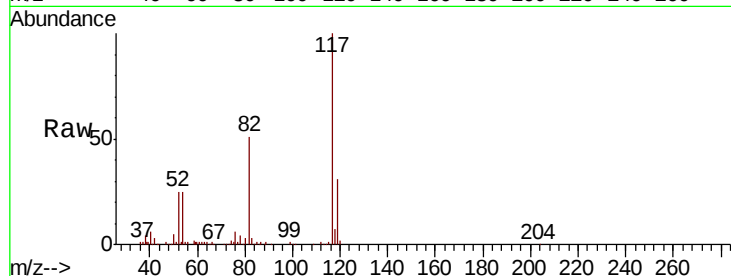




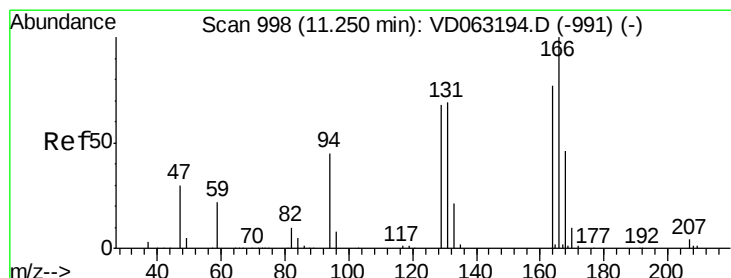
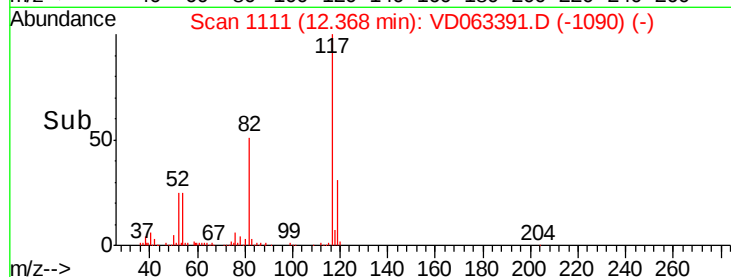
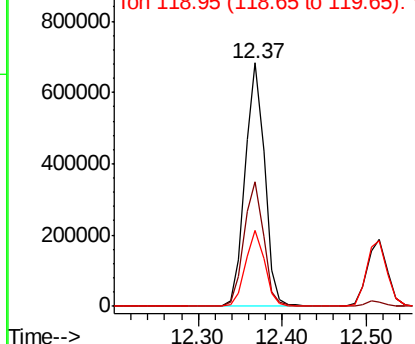
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1107746
Ion Ratio Lower Upper
117 100
82 51.3 40.1 60.1
119 31.0 26.5 39.7

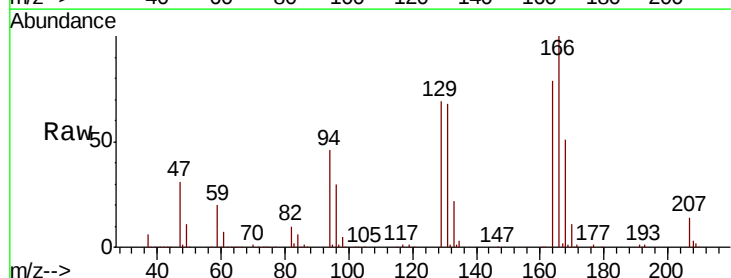


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

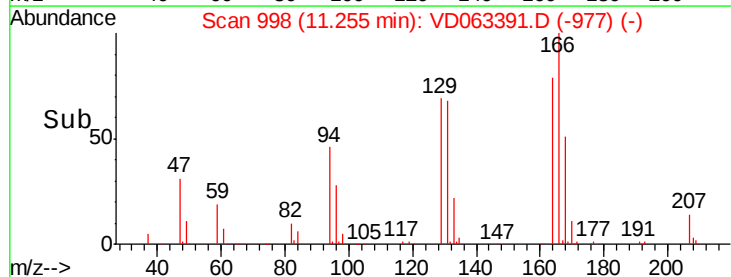
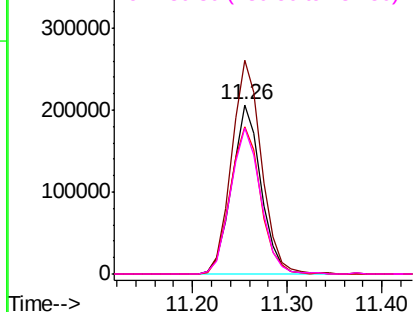


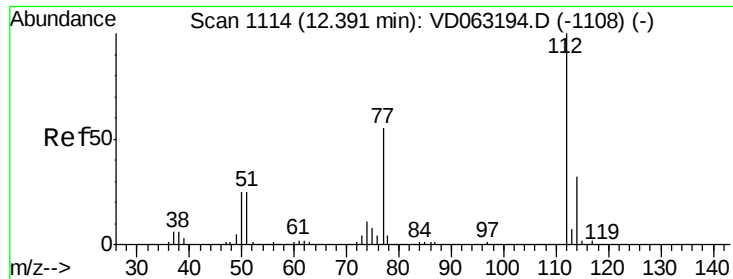
#64
Tetrachloroethene
Concen: 49.790 ug/l
RT: 11.26 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion:164 Resp: 439401
Ion Ratio Lower Upper
164 100
166 125.9 104.3 156.5
129 87.1 70.9 106.3
131 86.2 71.6 107.4



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

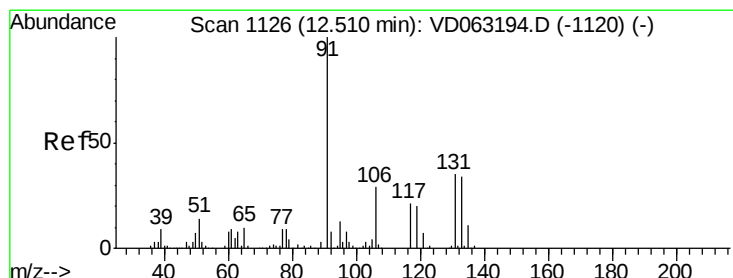
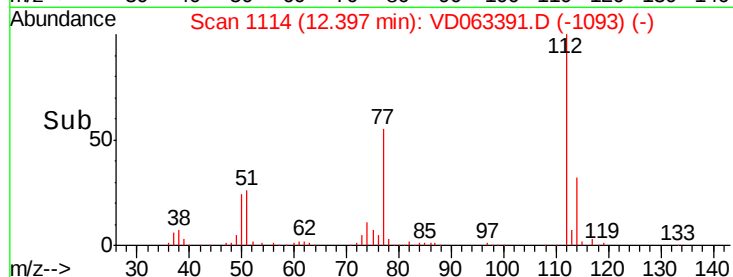
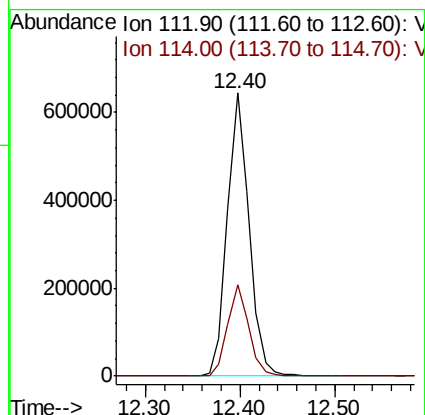
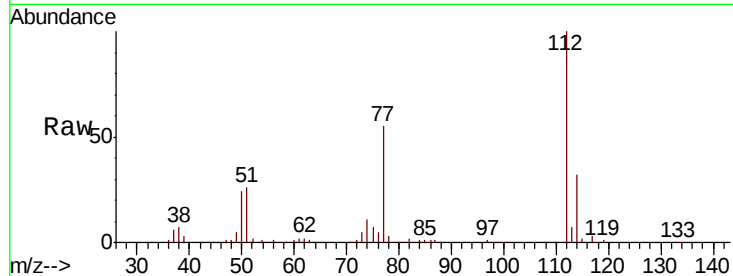




#65
Chlorobenzene
Concen: 48.137 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

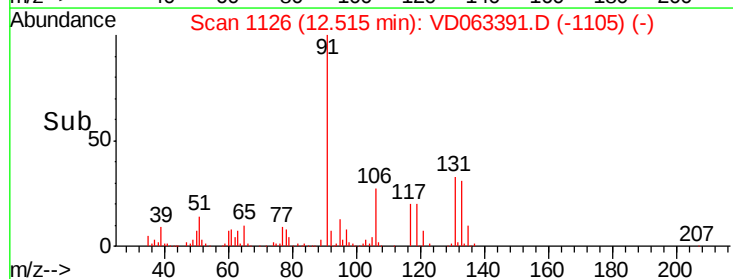
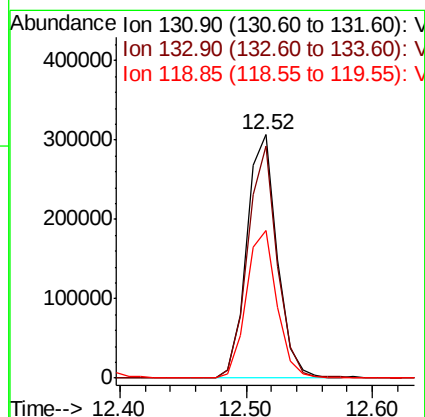
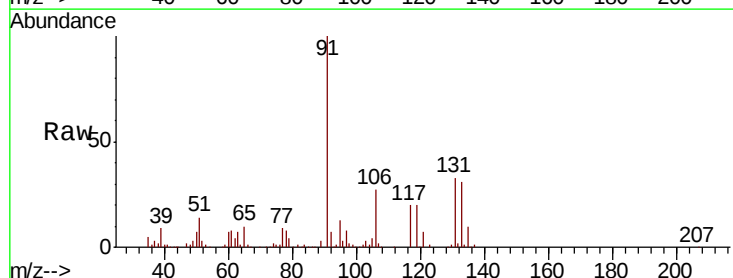
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

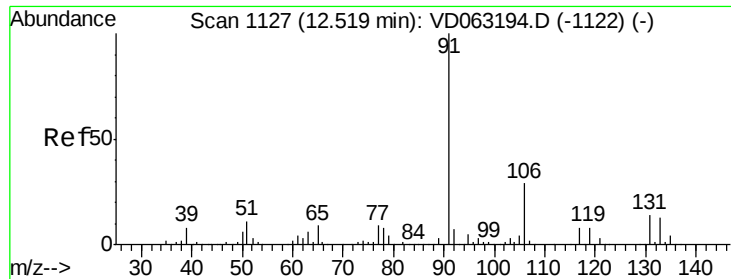
Tgt Ion:112 Resp: 1025643
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.542 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion:131 Resp: 511906
Ion Ratio Lower Upper
131 100
133 95.3 48.4 145.2
119 60.4 29.1 87.3

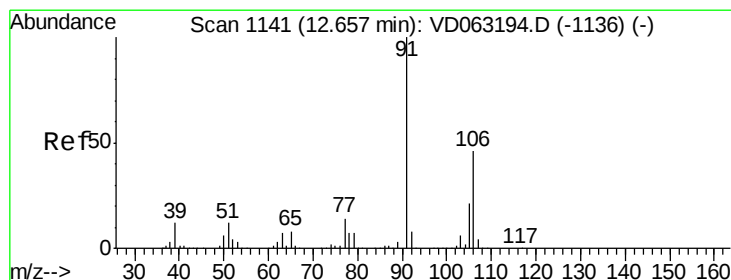
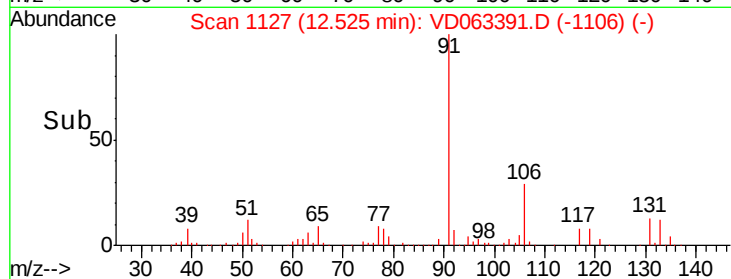
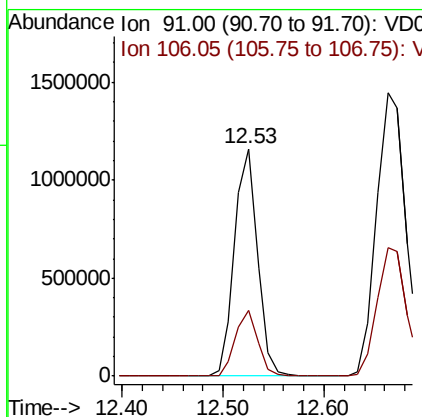
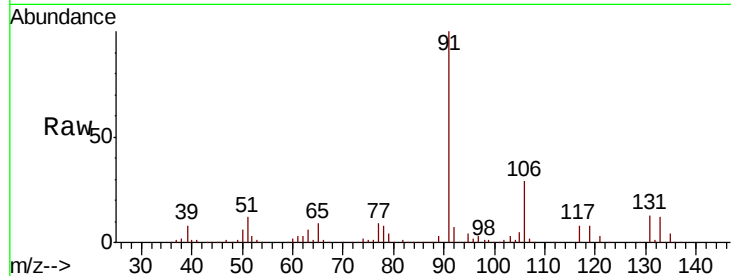




#67
Ethyl Benzene
Concen: 50.786 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

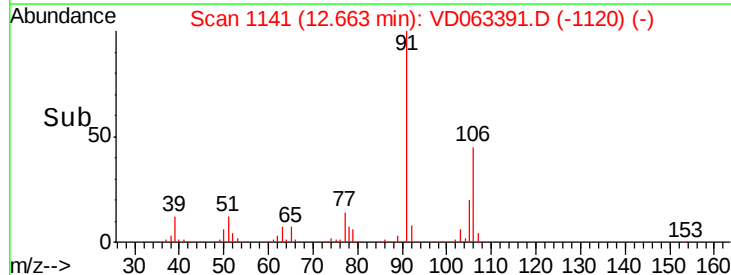
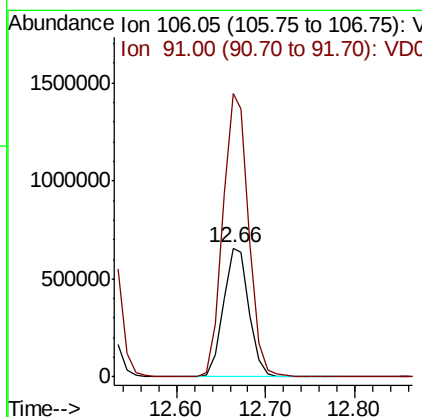
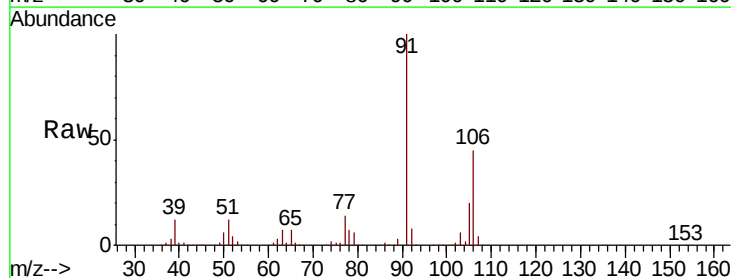
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

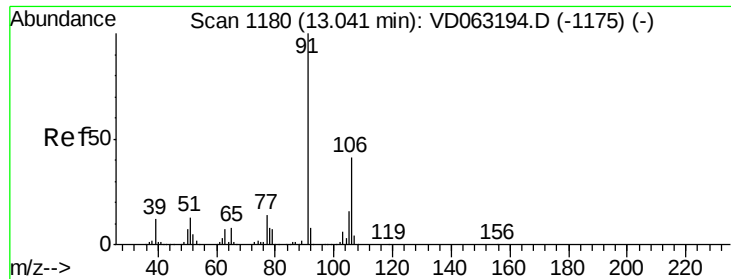
Tgt Ion: 91 Resp: 1838226
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3



#68
m/p-Xylenes
Concen: 99.671 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 106 Resp: 1323042
Ion Ratio Lower Upper
106 100
91 220.3 172.6 259.0

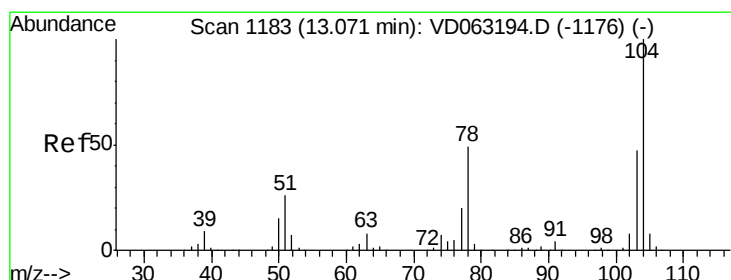
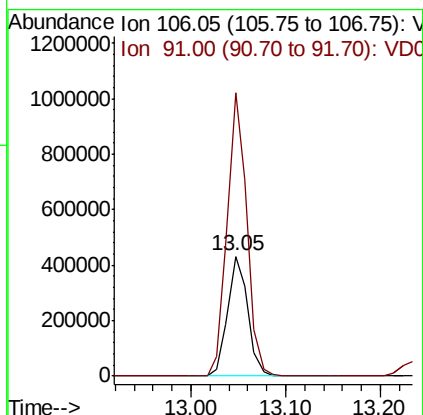
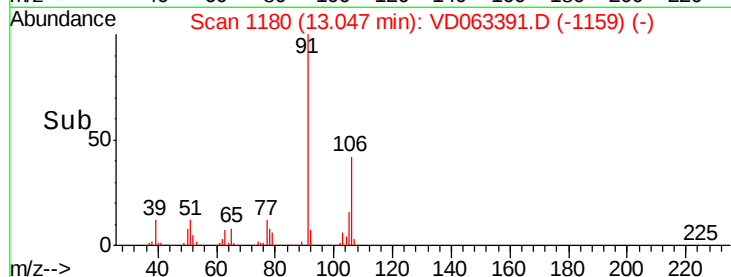
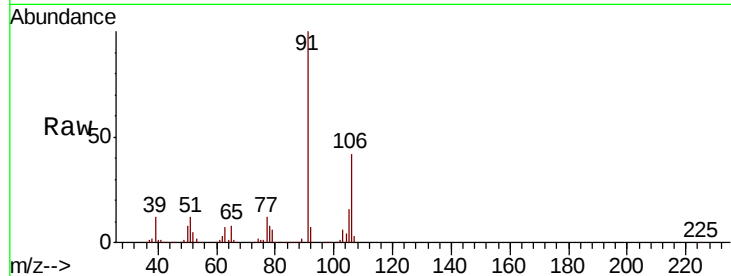




#69
o-Xylene
Concen: 52.026 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

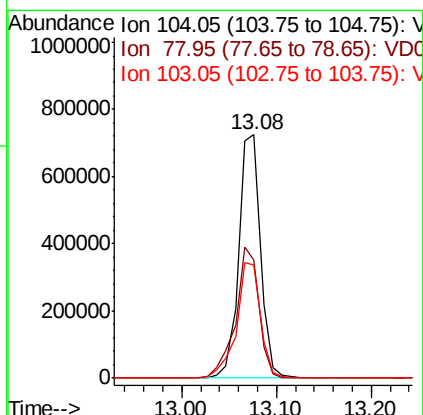
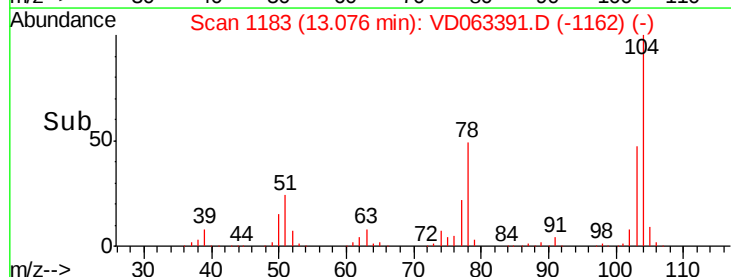
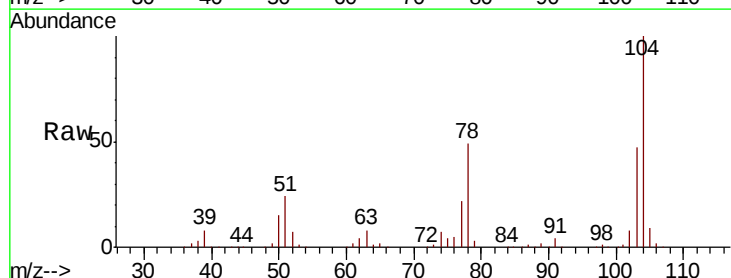
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

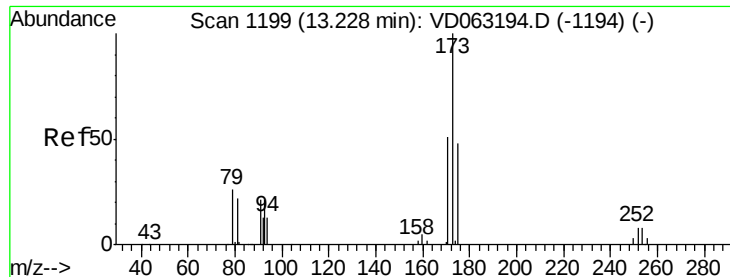
Tgt Ion:106 Resp: 634181
Ion Ratio Lower Upper
106 100
91 236.8 121.3 363.9



#70
Styrene
Concen: 53.508 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion:104 Resp: 1156706
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.0
103 46.7 37.4 56.2





#71

Bromoform

Concen: 53.559 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

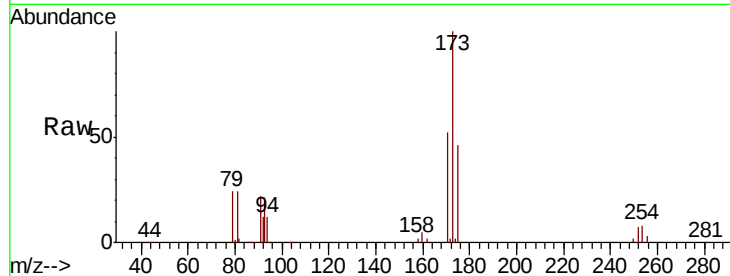
Tgt Ion:173 Resp: 365553

Ion Ratio Lower Upper

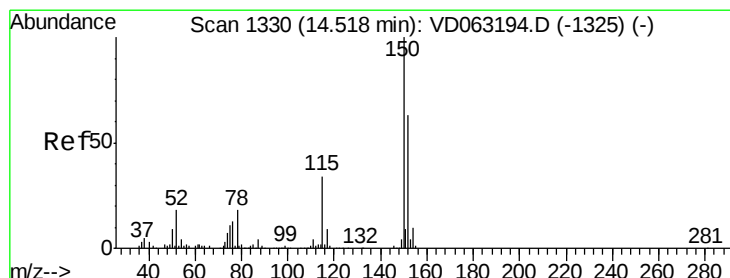
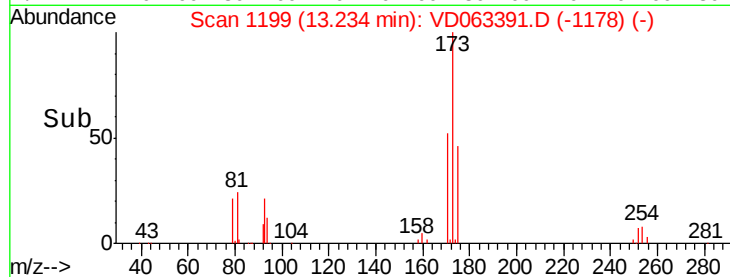
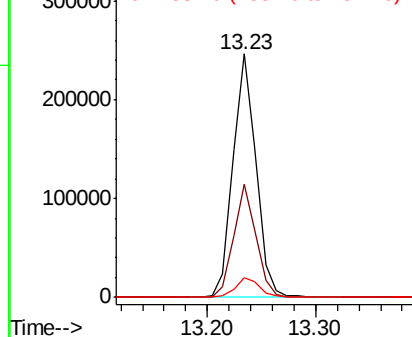
173 100

175 46.5 23.8 71.5

254 8.3 6.6 10.0



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. -0.00 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

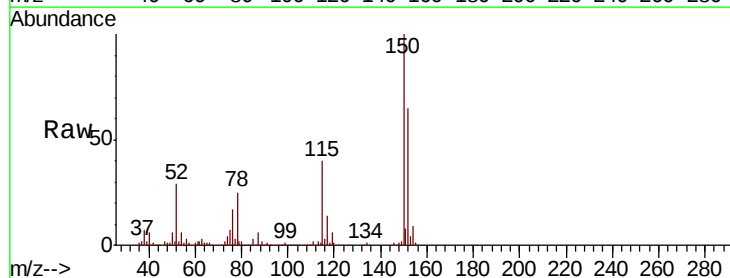
Tgt Ion:152 Resp: 611774

Ion Ratio Lower Upper

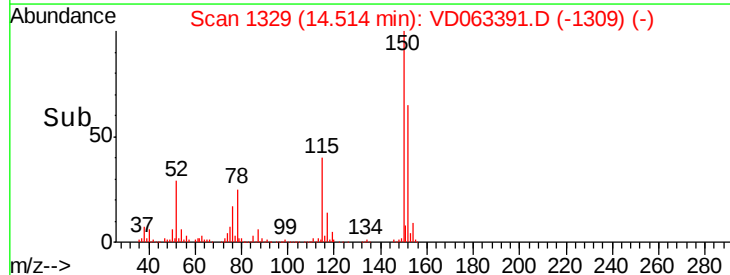
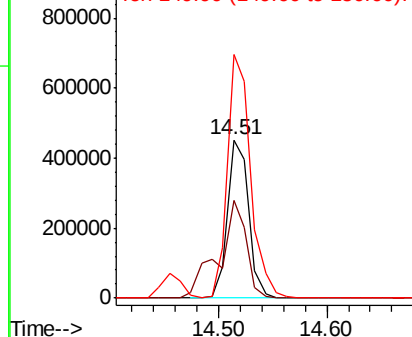
152 100

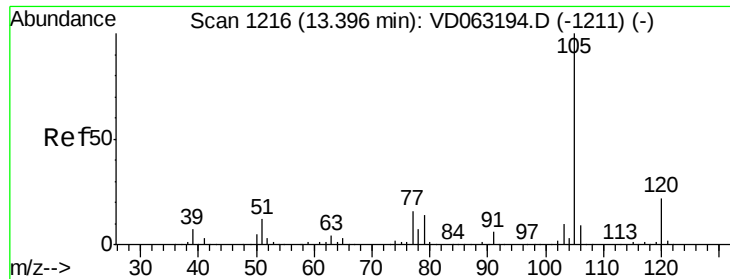
115 61.8 27.5 82.4

150 153.7 0.0 320.6



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

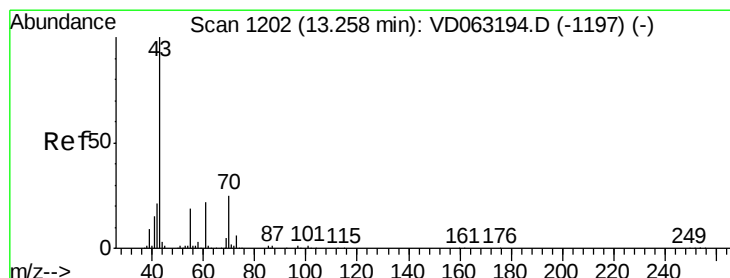
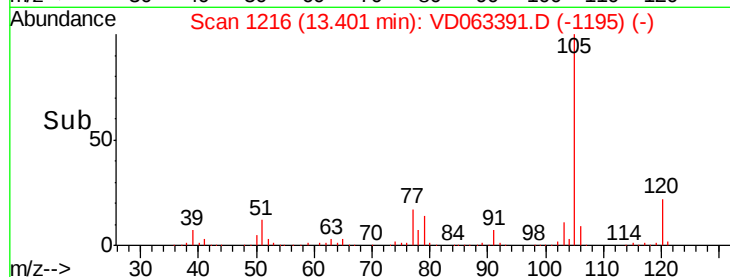
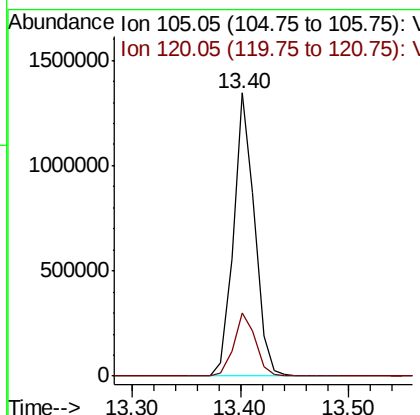
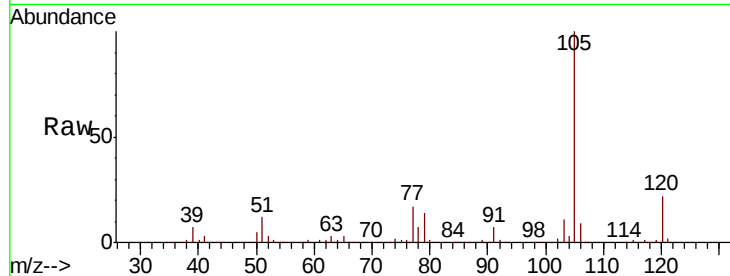




#73
Isopropylbenzene
Concen: 47.400 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

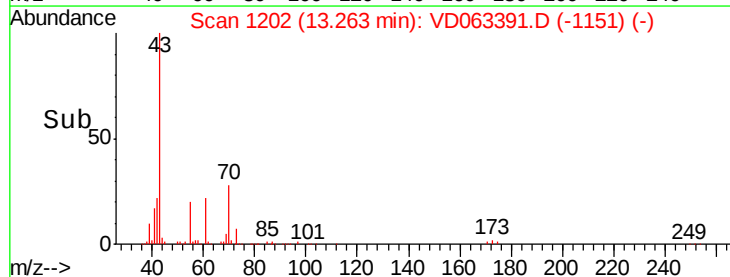
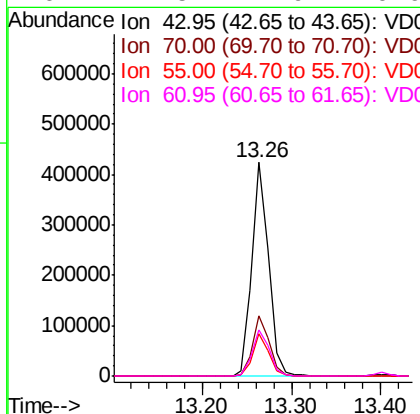
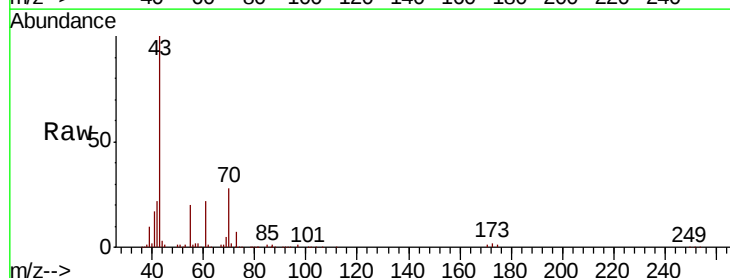
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

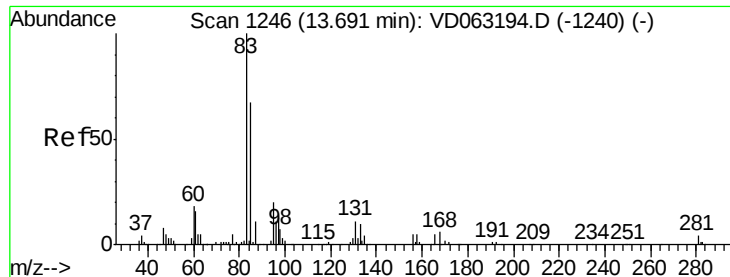
Tgt Ion: 105 Resp: 1820011
Ion Ratio Lower Upper
105 100
120 22.2 11.1 33.3



#74
N-ethyl acetate
Concen: 53.622 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 43 Resp: 544294
Ion Ratio Lower Upper
43 100
70 28.1 20.2 30.4
55 19.6 14.9 22.3
61 21.5 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.715 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

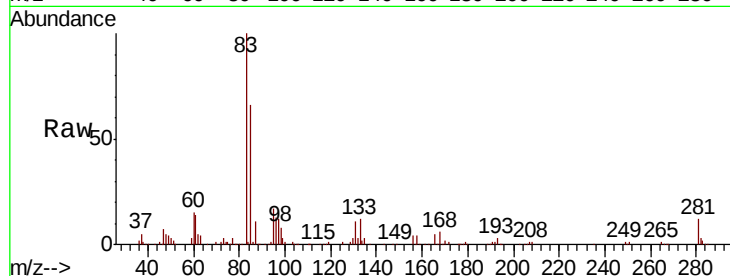
Tgt Ion: 83 Resp: 343819

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

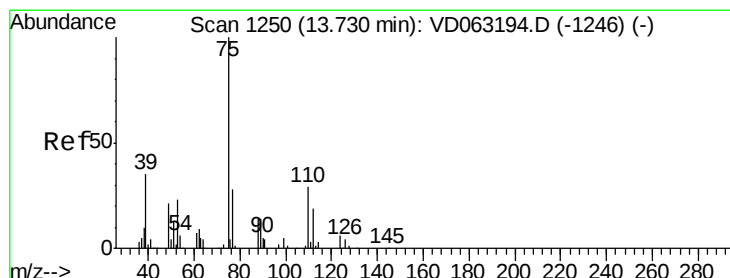
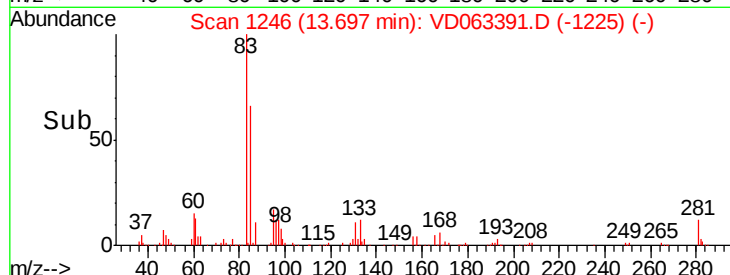
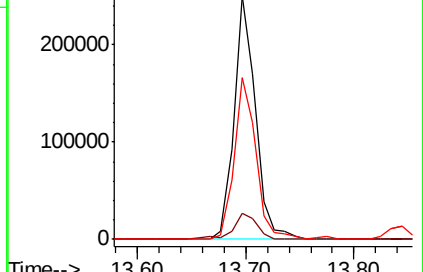
85 66.2 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.842 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063391.D

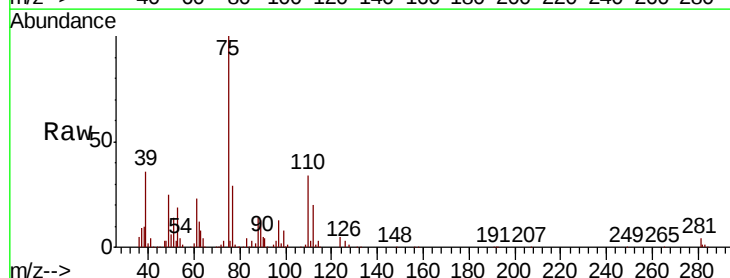
Acq: 5 Aug 2019 20:00

Tgt Ion: 75 Resp: 373598

Ion Ratio Lower Upper

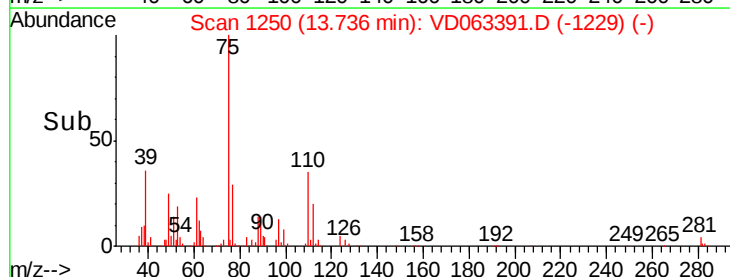
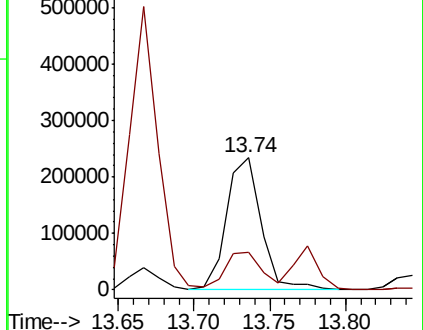
75 100

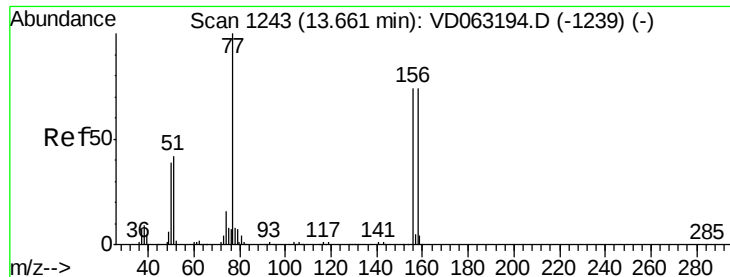
77 28.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.753 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

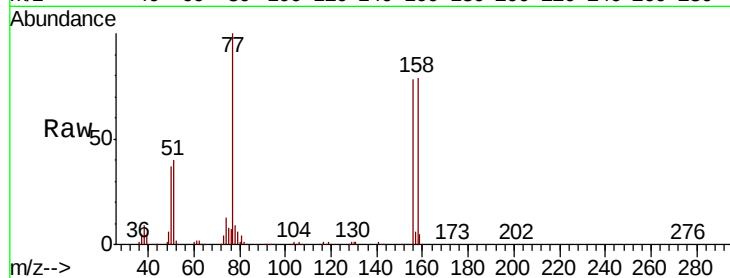
Tgt Ion:156 Resp: 533266

Ion Ratio Lower Upper

156 100

77 127.6 67.6 202.8

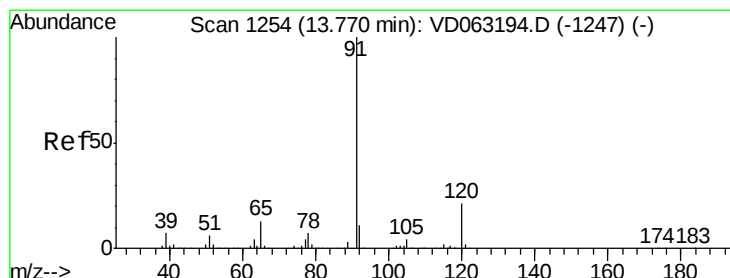
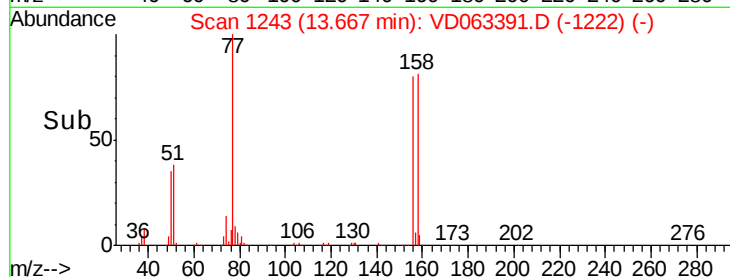
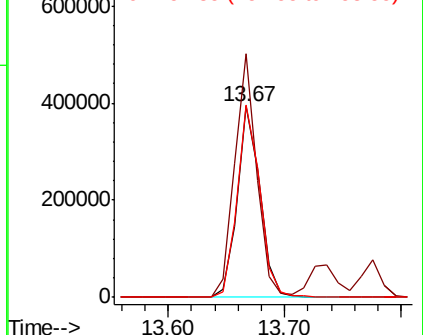
158 101.0 49.8 149.4



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: 49.105 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063391.D

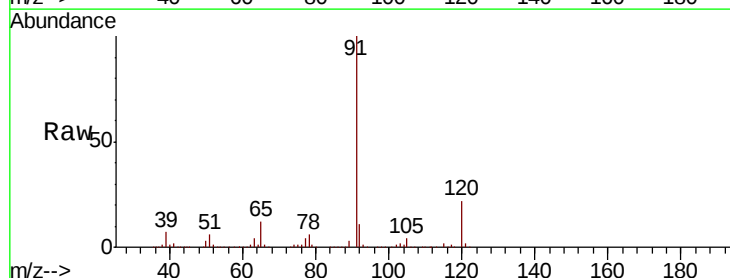
Acq: 5 Aug 2019 20:00

Tgt Ion: 91 Resp: 2243785

Ion Ratio Lower Upper

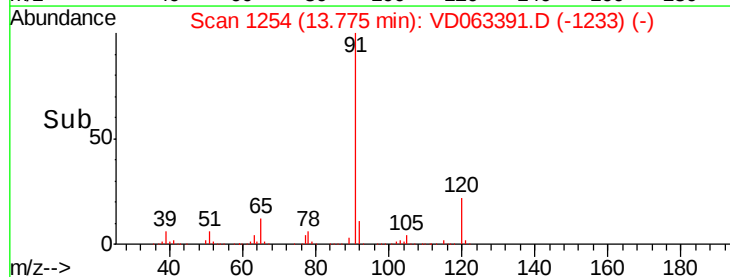
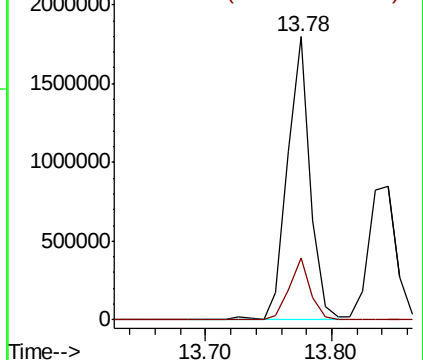
91 100

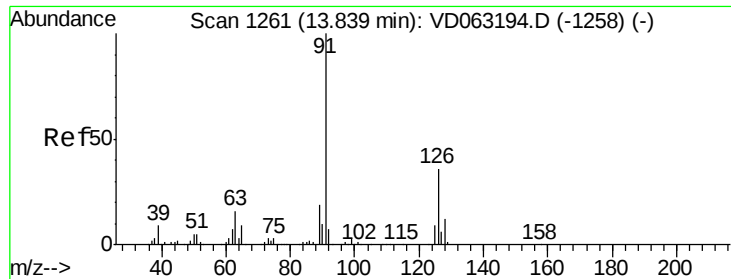
120 21.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.880 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

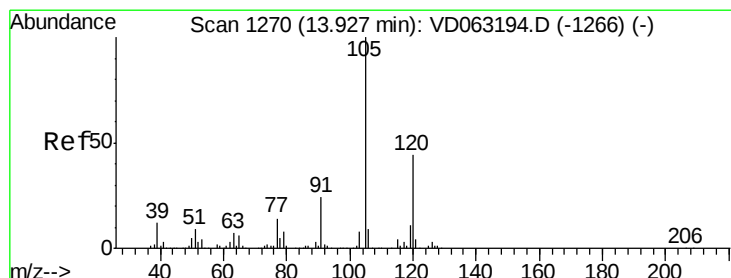
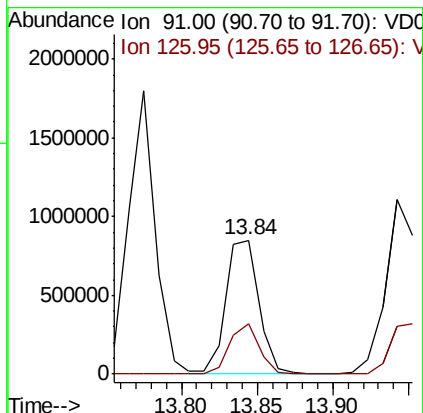
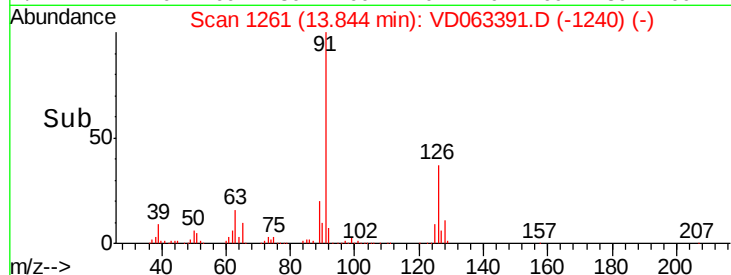
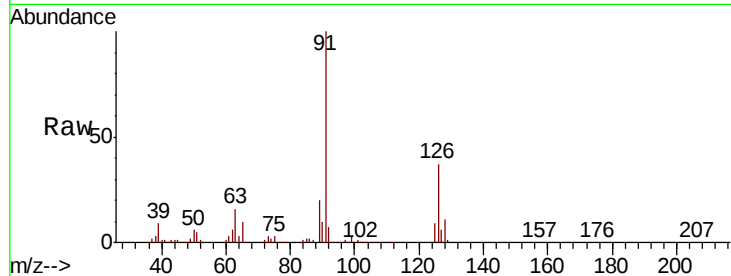
VSTDCCC050EC

Tgt Ion: 91 Resp: 1294158

Ion Ratio Lower Upper

91 100

126 37.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 50.984 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063391.D

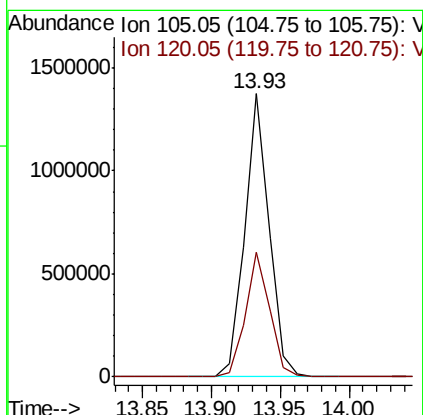
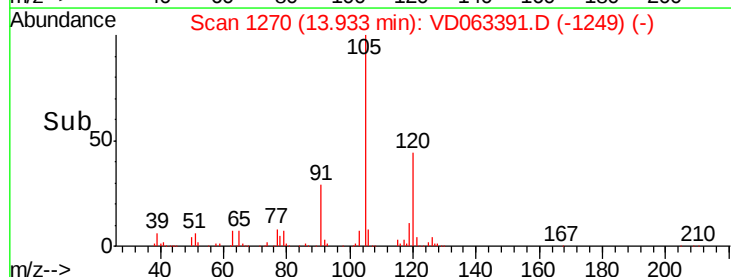
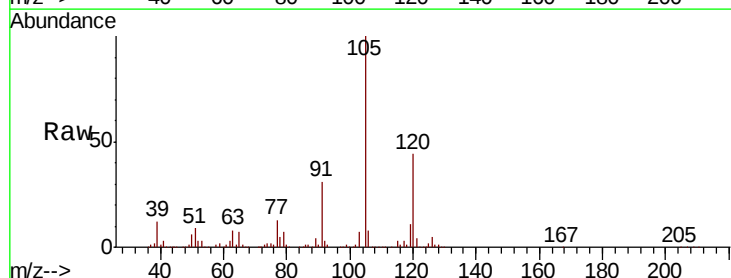
Acq: 5 Aug 2019 20:00

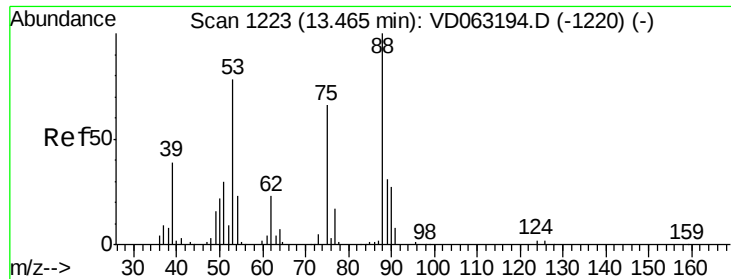
Tgt Ion: 105 Resp: 1688452

Ion Ratio Lower Upper

105 100

120 44.1 22.1 66.1

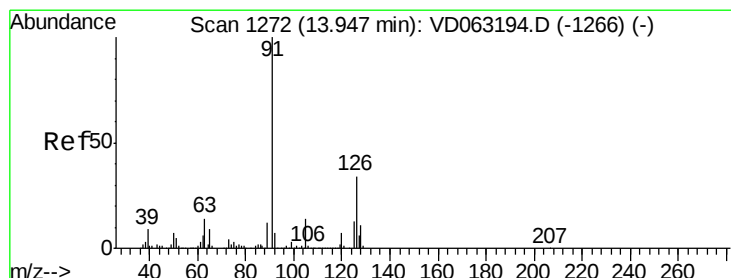
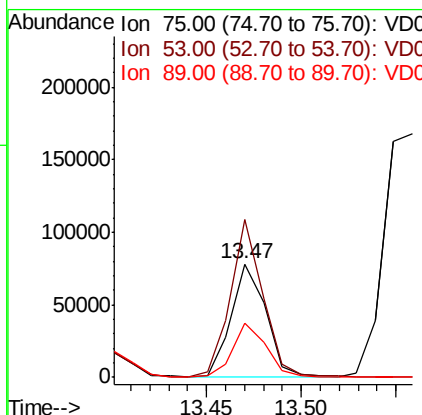
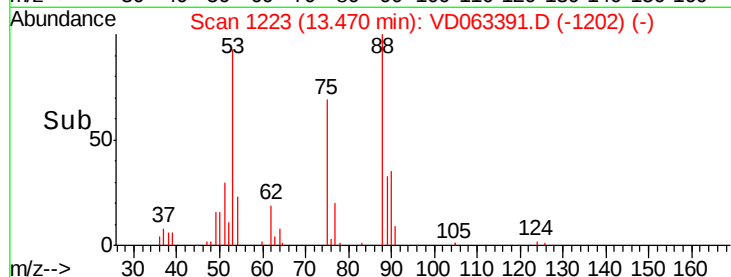
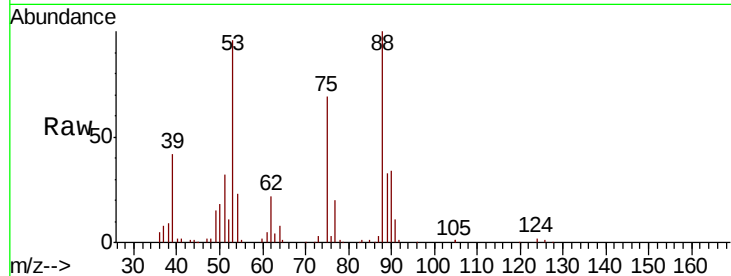




#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.898 ug/l
 RT: 13.47 min Scan# 1223
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

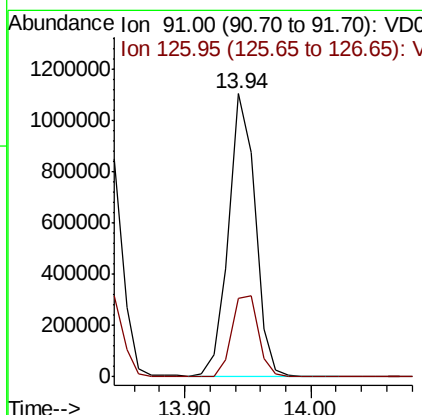
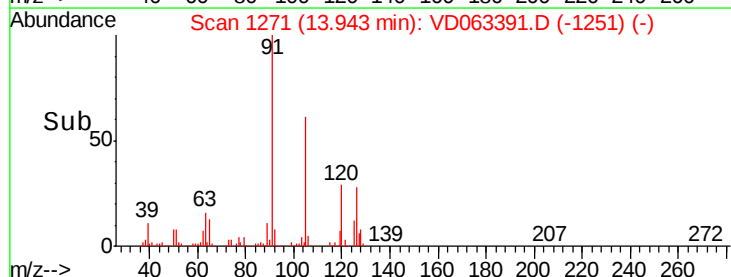
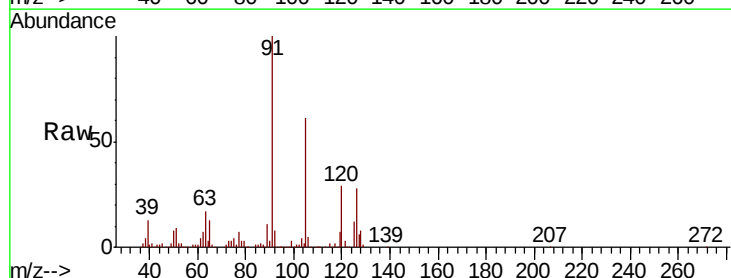
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 99773
 Ion Ratio Lower Upper
 75 100
 53 139.8 94.9 142.3
 89 47.4 37.4 56.0



#82
 4-Chlorotoluene
 Concen: 51.370 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion: 91 Resp: 1600622
 Ion Ratio Lower Upper
 91 100
 126 27.6 17.1 51.2

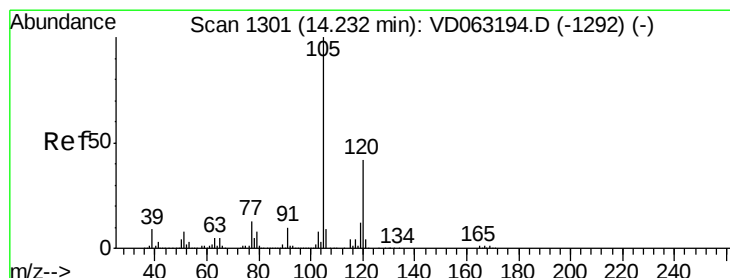
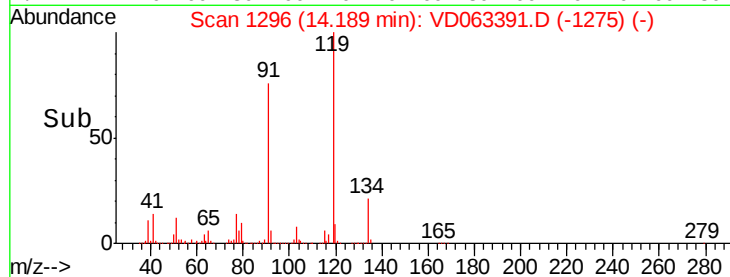
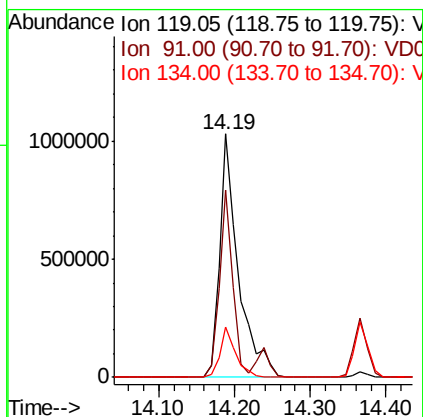
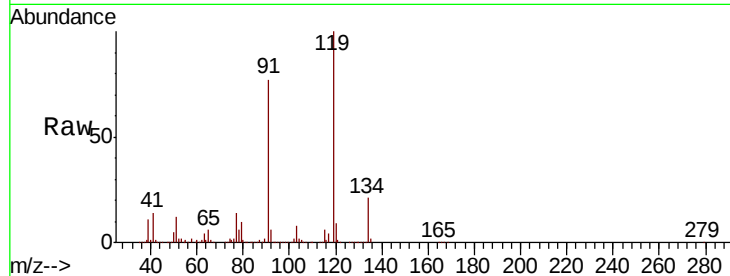




#83
 tert-Butylbenzene
 Concen: 47.371 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

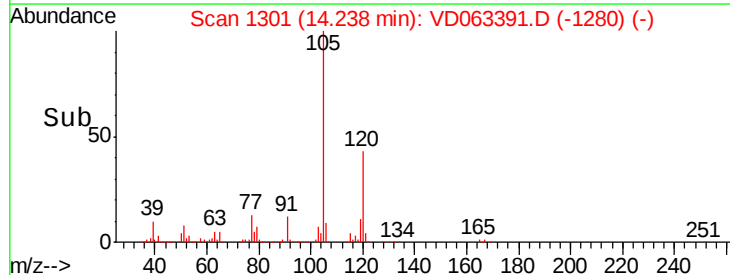
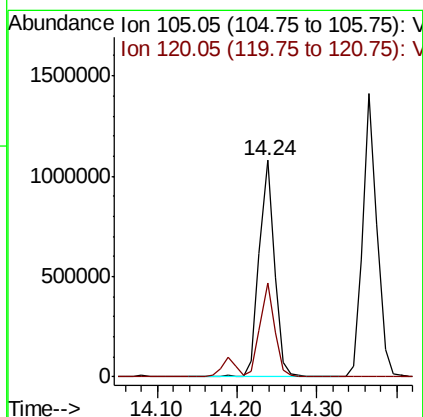
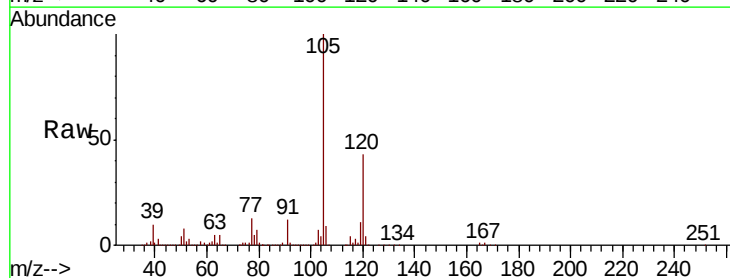
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1791275
 Ion Ratio Lower Upper
 119 100
 91 77.2 39.1 117.5
 134 20.8 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 41.022 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion:105 Resp: 1405181
 Ion Ratio Lower Upper
 105 100
 120 43.1 20.9 62.7

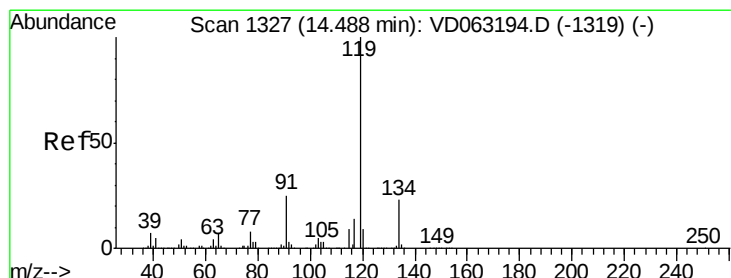
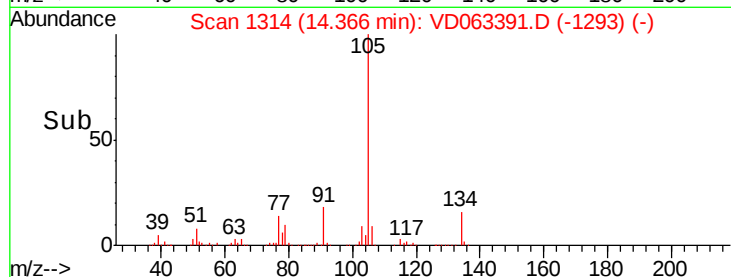
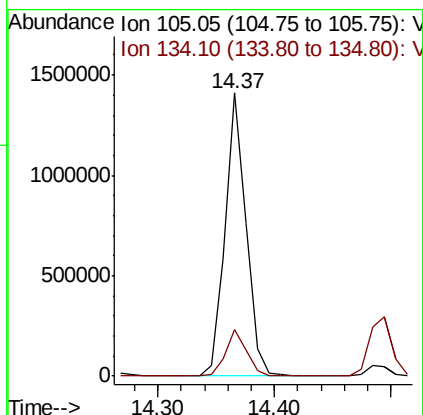
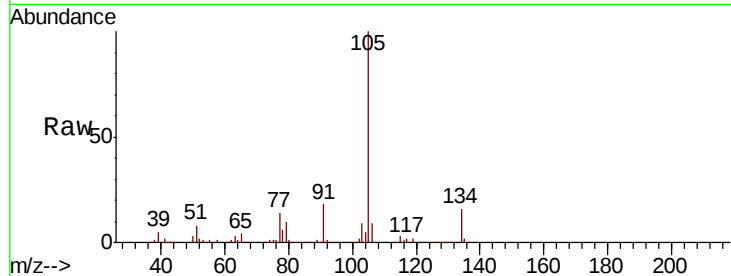




#85
 sec-Butylbenzene
 Concen: 43.984 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

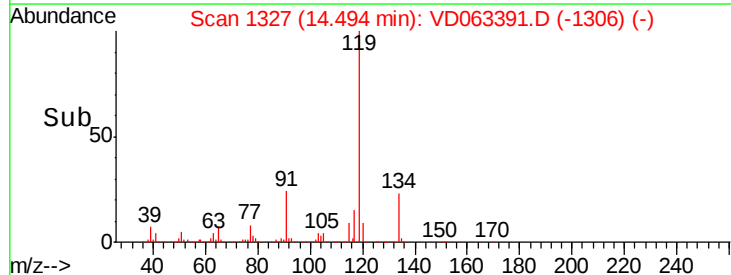
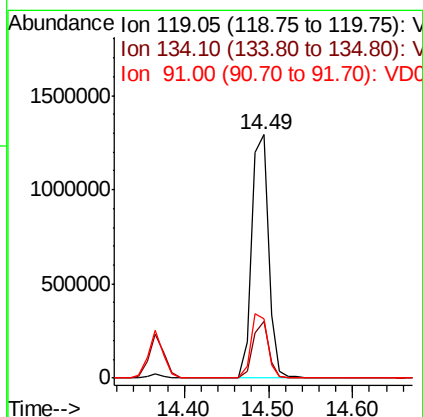
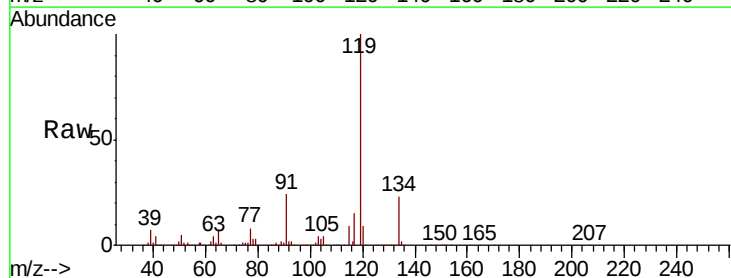
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

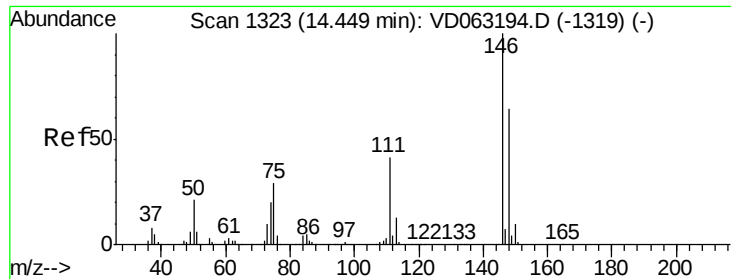
Tgt Ion:105 Resp: 1752296
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 48.090 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion:119 Resp: 1828608
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.5
 91 24.4 12.6 37.6

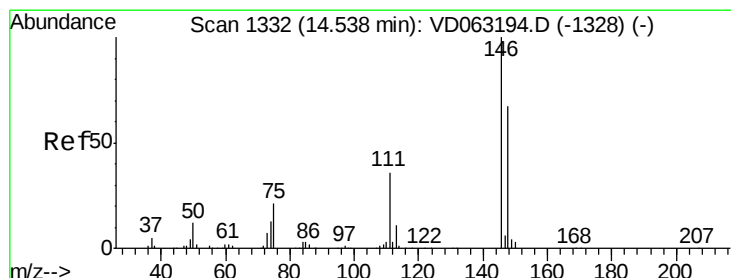
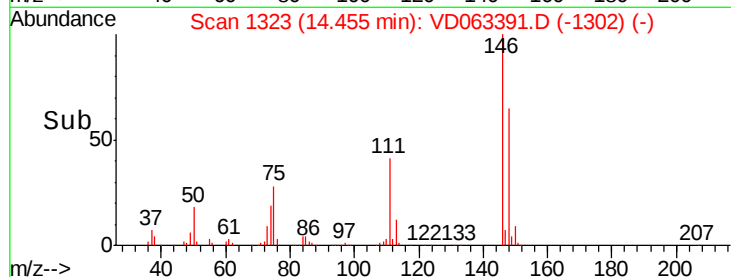
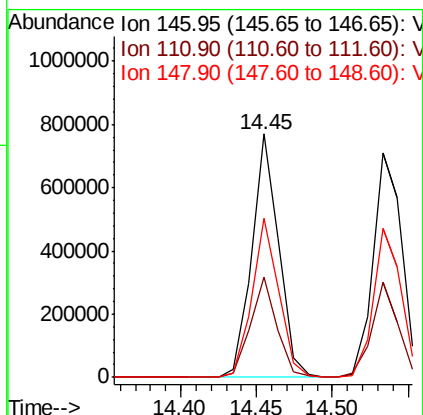
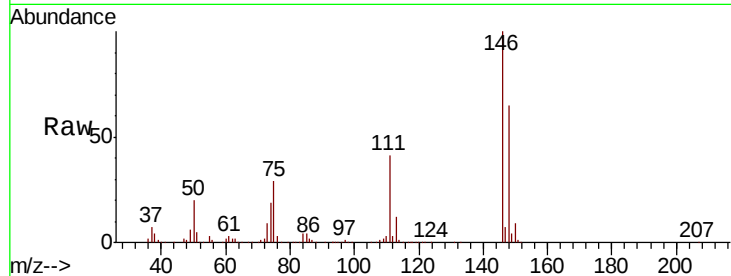




#87
 1,3-Dichlorobenzene
 Concen: 49.140 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

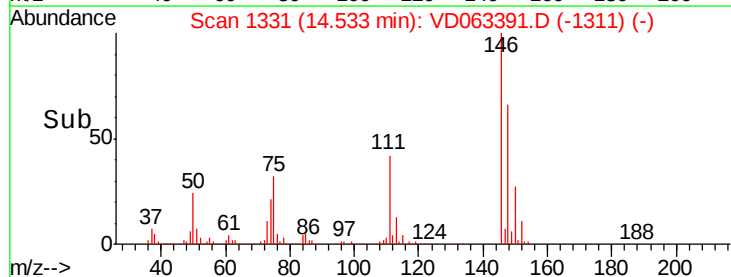
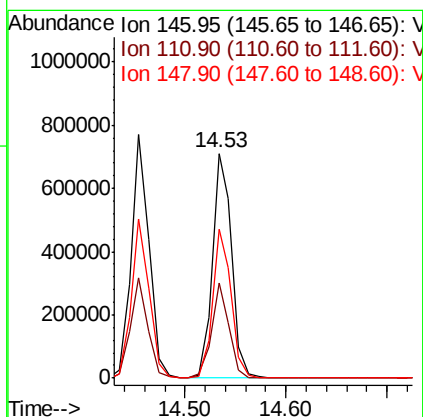
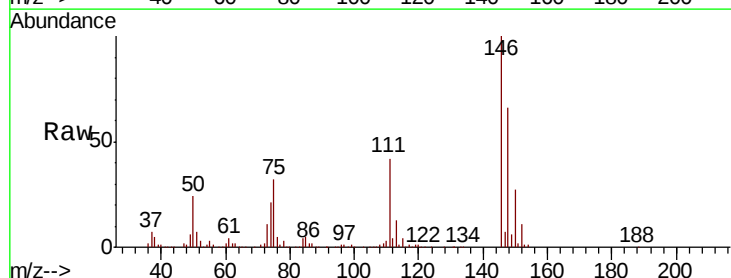
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

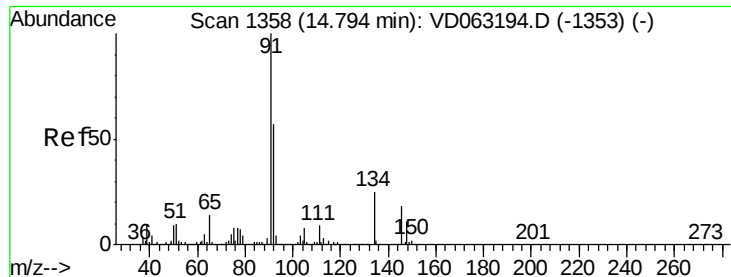
Tgt Ion:146 Resp: 951859
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.4 61.3
 148 65.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.250 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion:146 Resp: 945101
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.1 54.3
 148 66.1 33.4 100.1

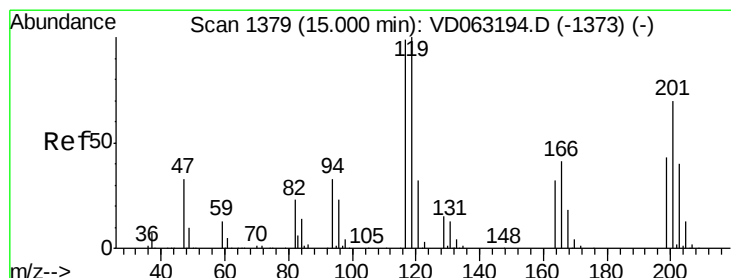
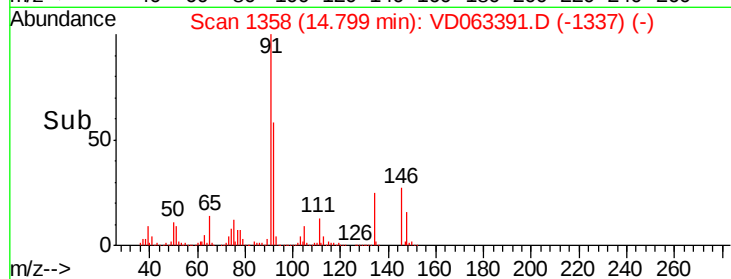
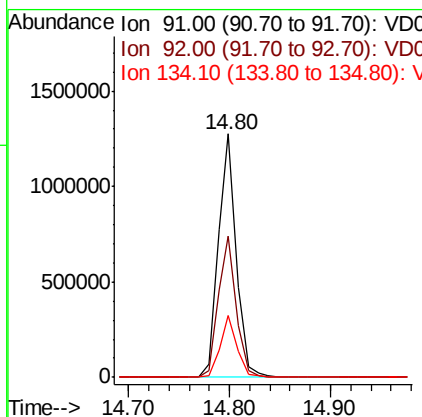
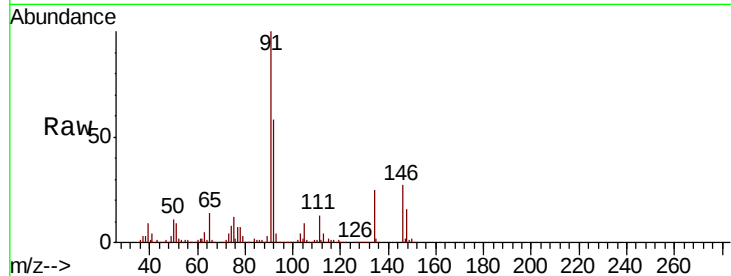




#89
n-Butylbenzene
Concen: 48.262 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

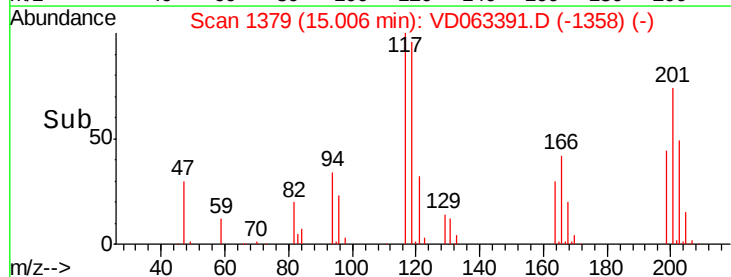
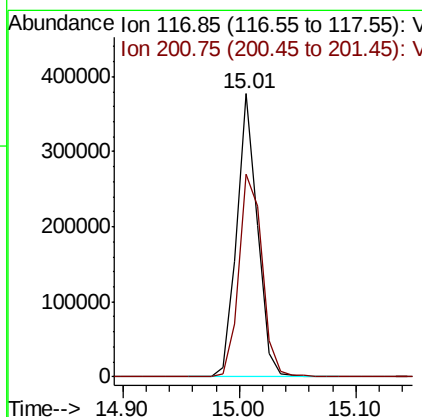
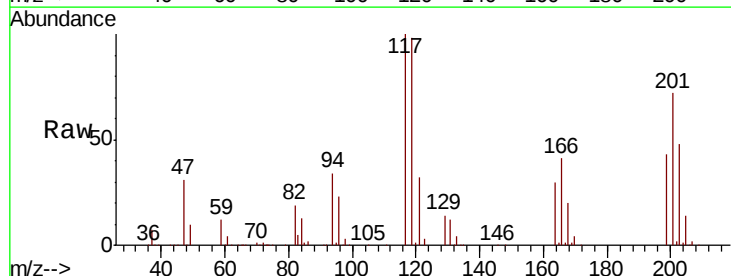
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

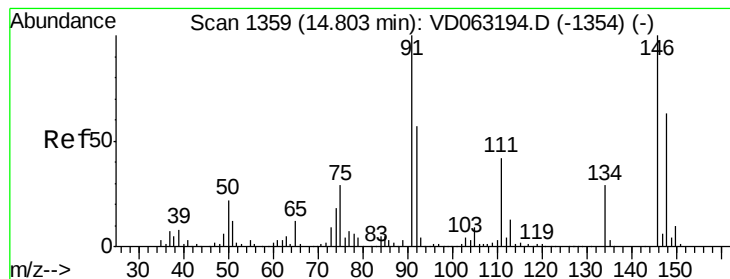
Tgt Ion: 91 Resp: 1585016
Ion Ratio Lower Upper
91 100
92 57.8 28.3 85.0
134 25.2 12.3 36.8



#90
Hexachloroethane
Concen: 46.819 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion: 117 Resp: 463831
Ion Ratio Lower Upper
117 100
201 71.5 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 49.290 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

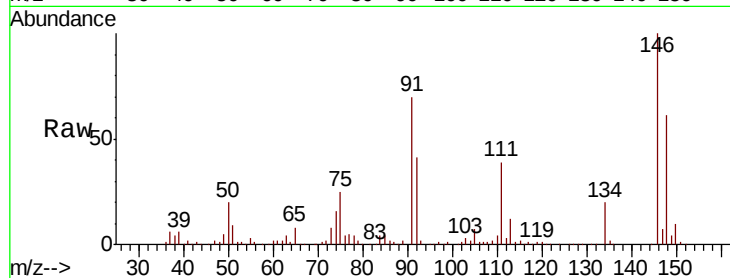
Tgt Ion:146 Resp: 831881

Ion Ratio Lower Upper

146 100

111 39.4 21.1 63.3

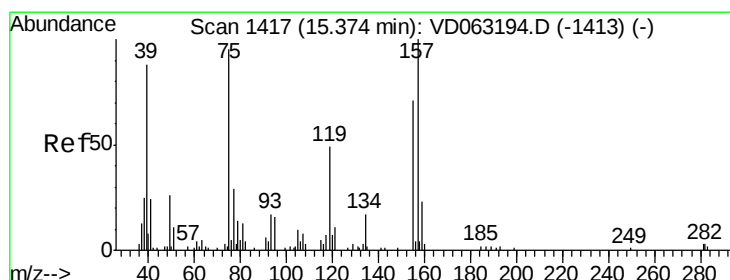
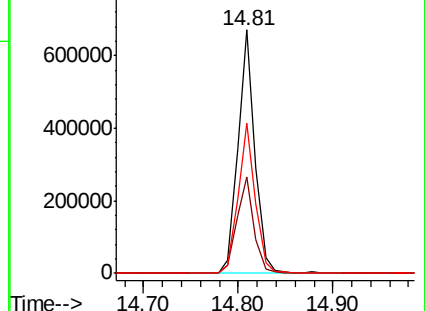
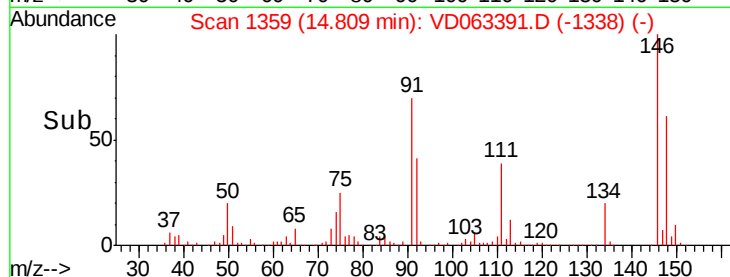
148 61.5 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.413 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

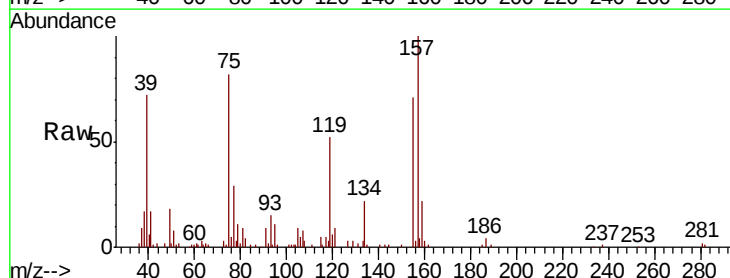
Tgt Ion: 75 Resp: 68305

Ion Ratio Lower Upper

75 100

155 86.3 37.0 111.0

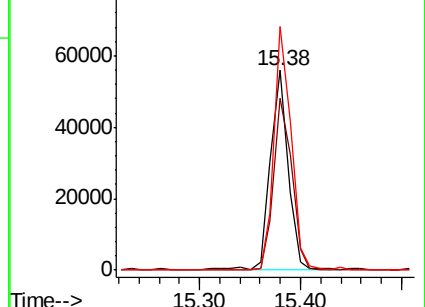
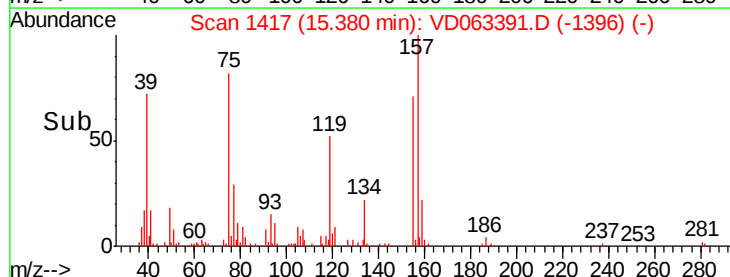
157 122.0 52.4 157.2

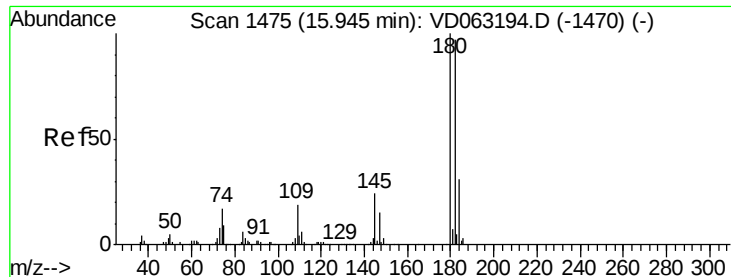


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

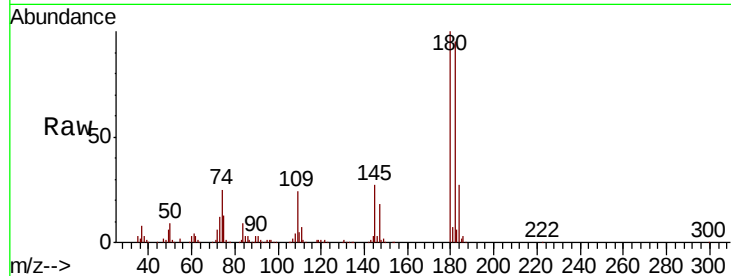




#93
 1,2,4-Trichlorobenzene
 Concen: 52.584 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.6	145.8
145	27.3	12.2	36.6

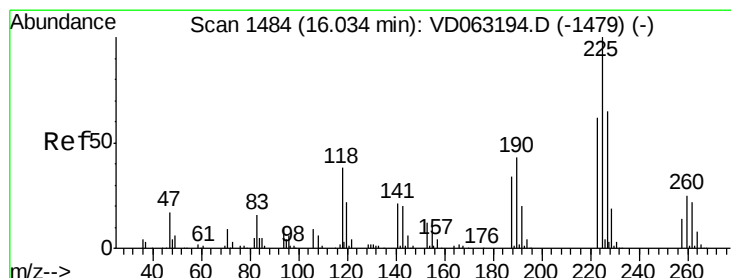
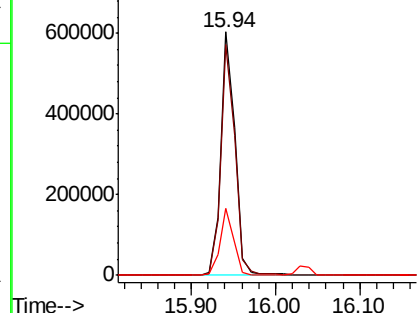
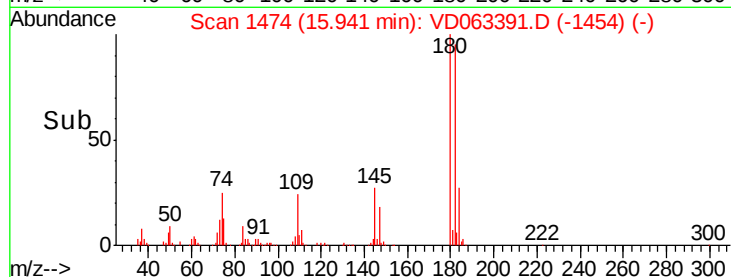


Abundance

Ion 179.85 (179.55 to 180.55): V

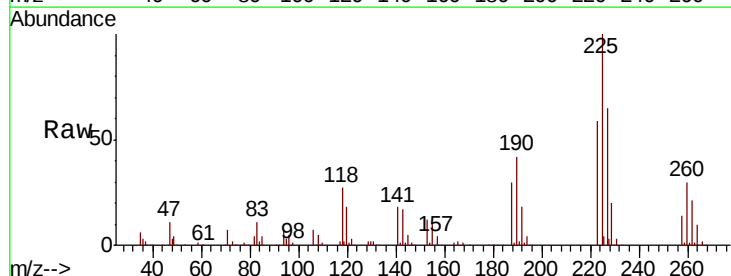
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 47.926 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063391.D
 Acq: 5 Aug 2019 20:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	30.9	92.5
227	64.7	32.6	97.7

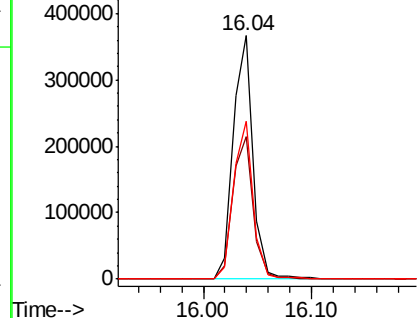
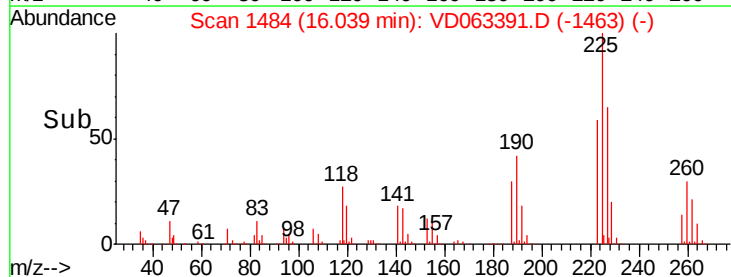


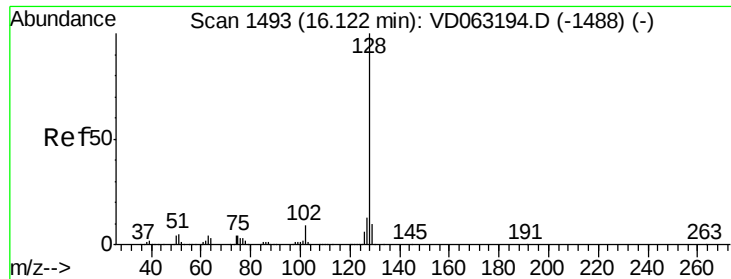
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

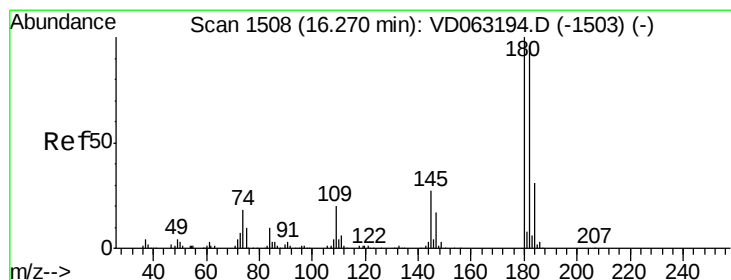
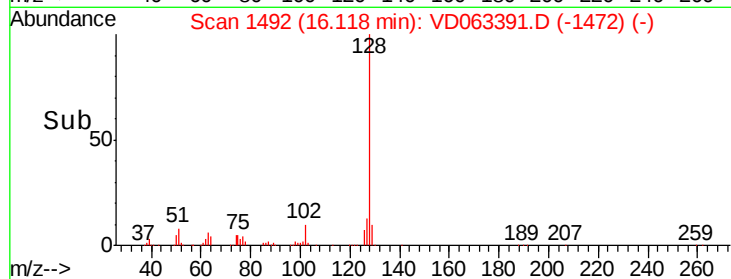
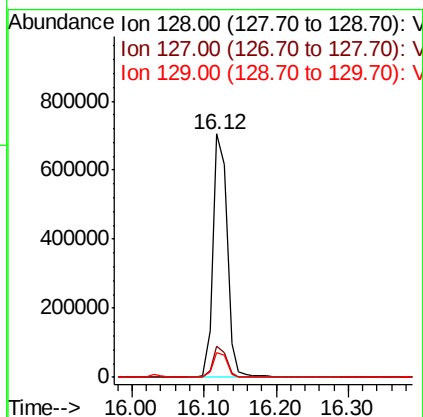
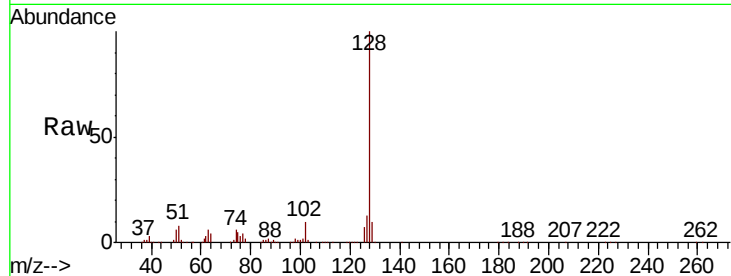




#95
Naphthalene
Concen: 50.420 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 954123
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.3 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 50.944 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063391.D
Acq: 5 Aug 2019 20:00

Tgt Ion:180 Resp: 538832
Ion Ratio Lower Upper
180 100
182 96.2 48.3 144.9
145 31.8 13.6 40.7

