

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063353.D
 Acq On : 3 Aug 2019 11:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 04 06:05:00 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	1088582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1502025	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1260873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	668340	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	568354	47.05	ug/l	0.01
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	6.92	113	662074	51.63	ug/l	0.01
Spiked Amount			Recovery	=	103.26%	
50) Toluene-d8	10.40	98	1461116	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	13.56	95	658736	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	631719	47.475	ug/l	97
3) Chloromethane	1.74	50	514350	49.752	ug/l	98
4) Vinyl Chloride	1.84	62	527953	49.330	ug/l	97
5) Bromomethane	2.15	94	241786	44.794	ug/l	97
6) Chloroethane	2.26	64	253497	51.302	ug/l	92
7) Trichlorofluoromethane	2.53	101	1014143	48.844	ug/l	99
8) Diethyl Ether	2.86	74	139761	48.097	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	622528	54.127	ug/l	97
10) Methyl Iodide	3.30	142	835675	50.297	ug/l	97
11) Tert butyl alcohol	4.08	59	130544	246.273	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	459588	54.431	ug/l	91
13) Acrolein	3.03	56	151676	297.316	ug/l	95
14) Allyl chloride	3.61	41	682053	50.708	ug/l	94
15) Acrylonitrile	4.19	53	348504	253.592	ug/l	90
16) Acetone	3.22	43	698793	296.925	ug/l	100
17) Carbon Disulfide	3.37	76	1397987	49.467	ug/l	99
18) Methyl Acetate	3.63	43	209349	46.311	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	963898	50.538	ug/l	99
20) Methylene Chloride	3.81	84	485505	51.037	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	496991	52.459	ug/l	93
22) Diisopropyl ether	5.11	45	1384894	51.535	ug/l	97
23) Vinyl Acetate	5.05	43	4203486	254.464	ug/l	99
24) 1,1-Dichloroethane	4.97	63	872382	50.823	ug/l	97
25) 2-Butanone	6.06	43	663693	281.003	ug/l	96
26) 2,2-Dichloropropane	6.01	77	946144	53.486	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	537510	52.918	ug/l	97
28) Bromochloromethane	6.44	49	343552	50.233	ug/l #	94
29) Tetrahydrofuran	6.46	42	278829	249.350	ug/l	97
30) Chloroform	6.65	83	1094112	51.361	ug/l	98
31) Cyclohexane	6.95	56	592180	55.039	ug/l	89
32) 1,1,1-Trichloroethane	6.86	97	1036674	50.312	ug/l	100
36) 1,1-Dichloropropene	7.14	75	716561	52.274	ug/l	94
37) Ethyl Acetate	6.17	43	317165	51.501	ug/l	97
38) Carbon Tetrachloride	7.11	117	1146592	55.561	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	615757	53.915	ug/l	99
40) Benzene	7.44	78	1481375	51.563	ug/l	98
41) Methacrylonitrile	6.45	41	368609	50.037	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	774345	50.857	ug/l	100
43) Isopropyl Acetate	9.23	43	413269	52.534	ug/l #	99
44) Trichloroethene	8.53	130	600358	51.571	ug/l	98
45) 1,2-Dichloropropane	8.93	63	385218	52.754	ug/l	96
46) Dibromomethane	9.06	93	298180	49.110	ug/l	89
47) Bromodichloromethane	9.37	83	818598	52.890	ug/l	97
48) Methyl methacrylate	9.12	41	276334	54.161	ug/l	90
49) 1,4-Dioxane	9.08	88	43930	1016.495	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	1334931	249.519	ug/l	95
52) Toluene	10.50	92	1047874	54.840	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	654423	49.044	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	768184	54.777	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	320706	49.696	ug/l	97
56) Ethyl methacrylate	11.03	69	365443	51.714	ug/l	99
57) 1,3-Dichloropropane	11.40	76	492868	48.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	886885	241.196	ug/l	100
59) 2-Hexanone	11.53	43	1111652	288.333	ug/l	99
60) Dibromochloromethane	11.68	129	628460	51.586	ug/l	99
61) 1,2-Dibromoethane	11.80	107	402626	50.562	ug/l	95
64) Tetrachloroethene	11.25	164	537692	53.529	ug/l	98
65) Chlorobenzene	12.39	112	1267989	52.283	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	543174	50.845	ug/l	96
67) Ethyl Benzene	12.52	91	2138427	51.905	ug/l	99
68) m/p-Xylenes	12.66	106	1524330	100.889	ug/l	90
69) o-Xylene	13.04	106	763754	55.047	ug/l	88
70) Styrene	13.07	104	1228955	49.946	ug/l	99
71) Bromoform	13.23	173	381102	49.056	ug/l	97
73) Isopropylbenzene	13.40	105	2042399	48.690	ug/l	99
74) N-amyl acetate	13.26	43	568565	51.272	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	386919	54.302	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	420009	52.320	ug/l	96
77) Bromobenzene	13.66	156	604585	50.595	ug/l	97
78) n-propylbenzene	13.77	91	2577989	51.644	ug/l	99
79) 2-Chlorotoluene	13.84	91	1521501	52.603	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1678214	46.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	110778	49.696	ug/l	91
82) 4-Chlorotoluene	13.94	91	1702535	50.016	ug/l	89
83) tert-Butylbenzene	14.19	119	2046690	49.545	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	1898533	50.734	ug/l	100
85) sec-Butylbenzene	14.36	105	2182014	50.134	ug/l	98
86) p-Isopropyltoluene	14.49	119	2042200	49.161	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1044795	49.372	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1003522	46.896	ug/l	93
89) n-Butylbenzene	14.80	91	1799440	50.154	ug/l	96
90) Hexachloroethane	15.00	117	537217	49.637	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	849738	46.087	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66547	45.851	ug/l	96

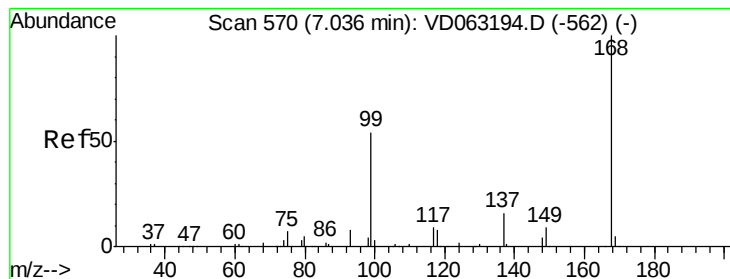
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692014	47.312	ug/l	96
94) Hexachlorobutadiene	16.04	225	557544	52.600	ug/l	97
95) Naphthalene	16.12	128	956021	46.244	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	579133	50.120	ug/l	100

(#) = 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. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

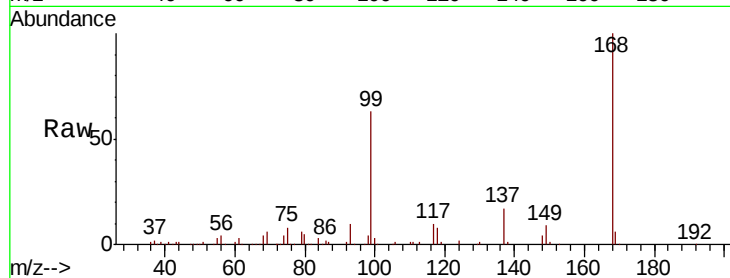
VSTDCCC050

Tgt Ion:168 Resp: 1088582

Ion Ratio Lower Upper

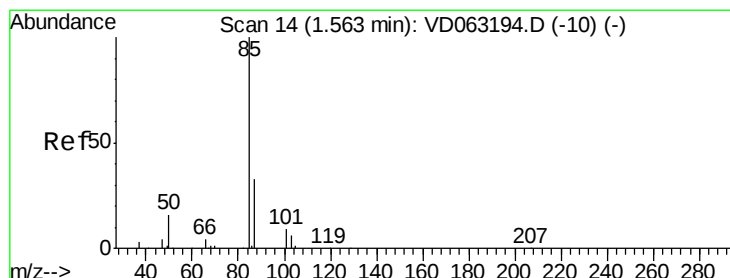
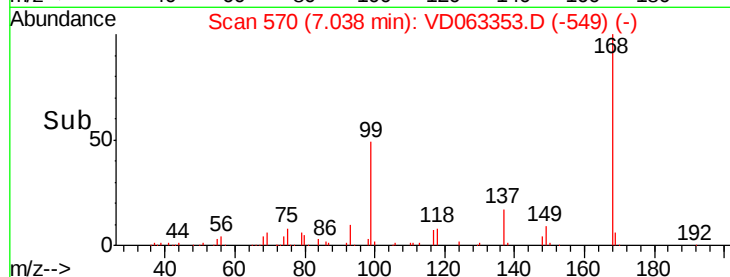
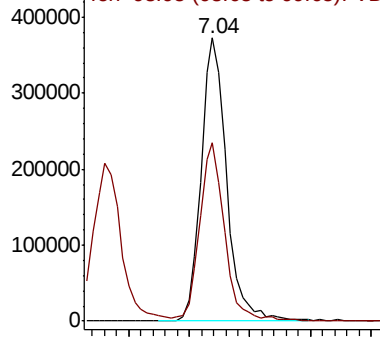
168 100

99 62.9 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: 47.475 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063353.D

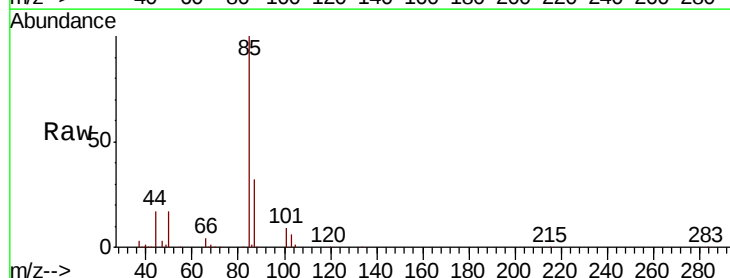
Acq: 3 Aug 2019 11:15

Tgt Ion: 85 Resp: 631719

Ion Ratio Lower Upper

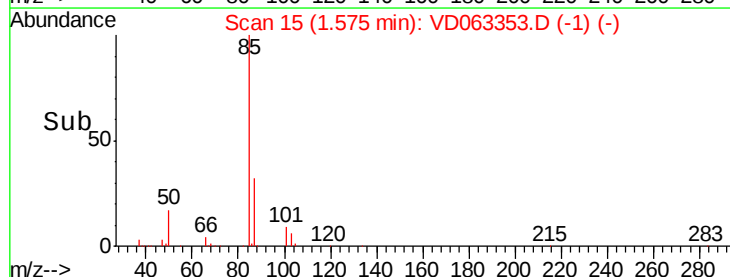
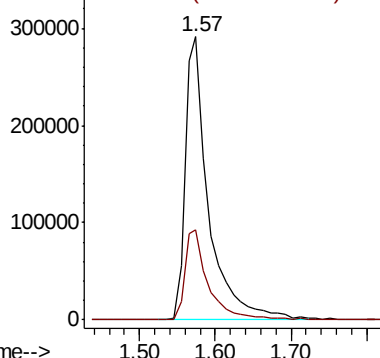
85 100

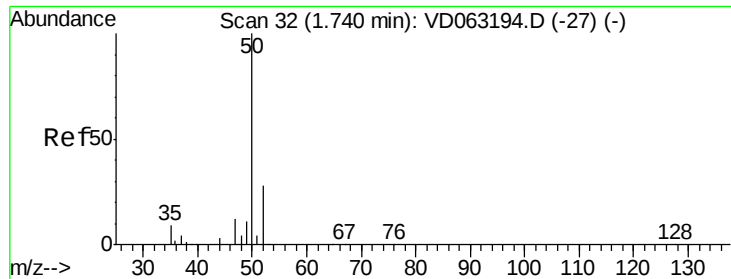
87 31.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.752 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

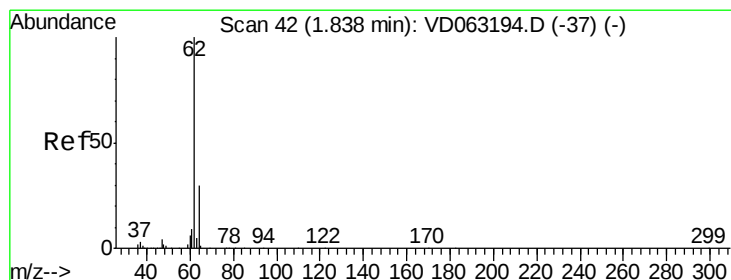
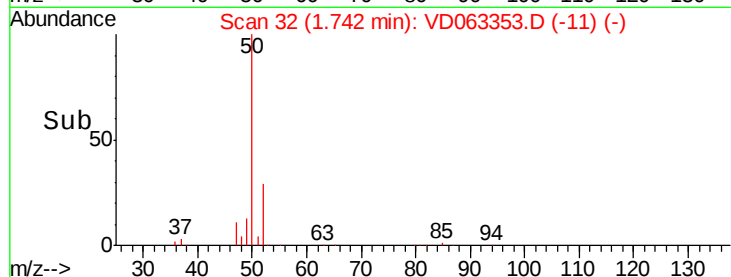
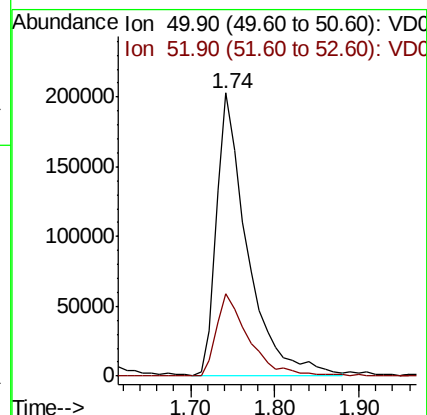
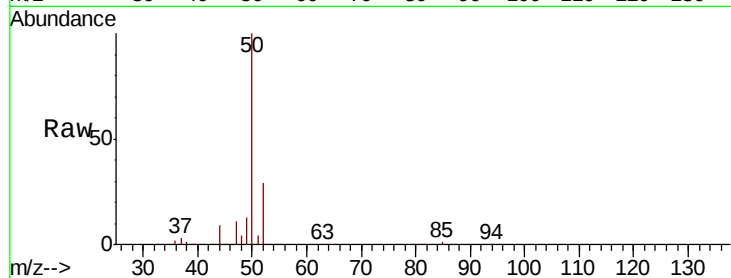
VSTDCCC050

Tgt Ion: 50 Resp: 514350

Ion Ratio Lower Upper

50 100

52 29.2 22.6 34.0



#4

Vinyl Chloride

Concen: 49.330 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063353.D

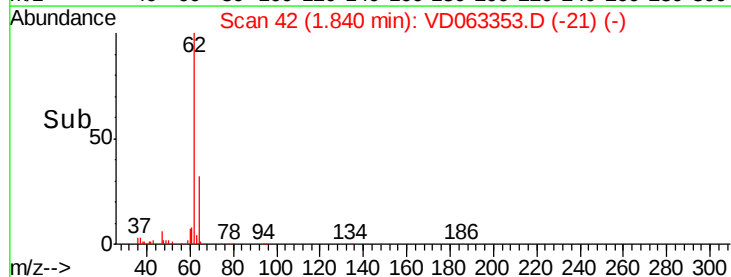
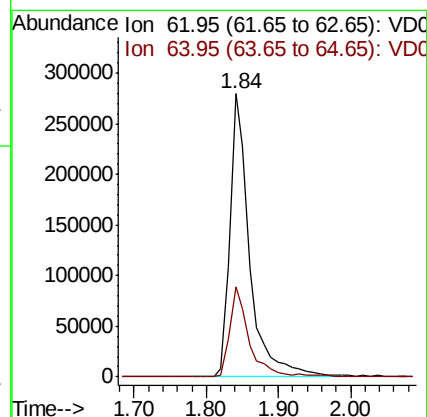
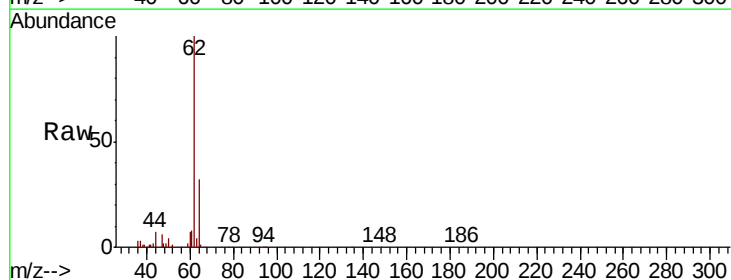
Acq: 3 Aug 2019 11:15

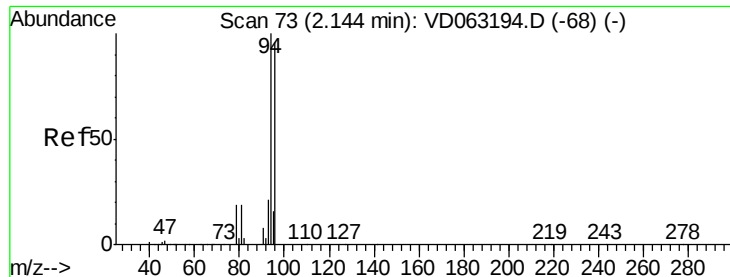
Tgt Ion: 62 Resp: 527953

Ion Ratio Lower Upper

62 100

64 32.0 24.1 36.1





#5

Bromomethane

Concen: 44.794 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

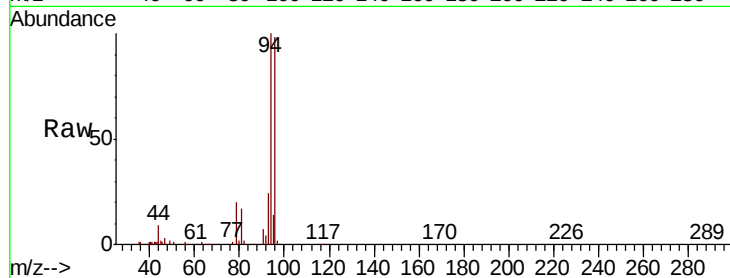
Tgt Ion: 94 Resp: 241786

Ion Ratio Lower Upper

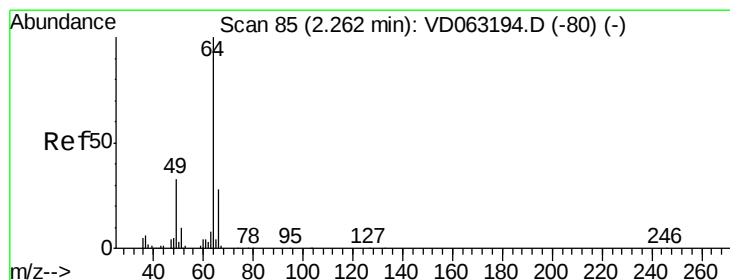
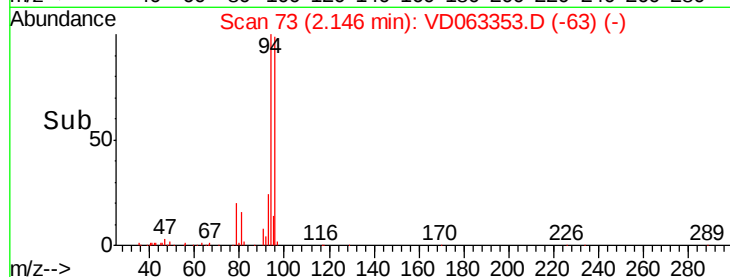
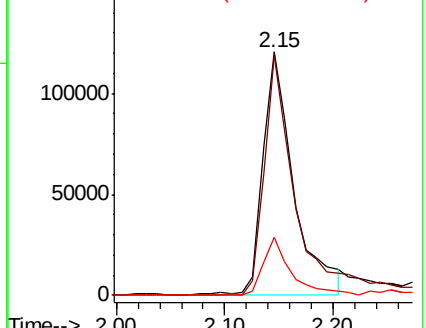
94 100

96 98.2 76.4 114.6

93 23.8 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: 51.302 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063353.D

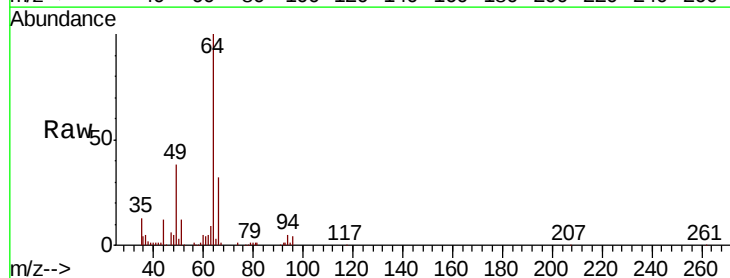
Acq: 3 Aug 2019 11:15

Tgt Ion: 64 Resp: 253497

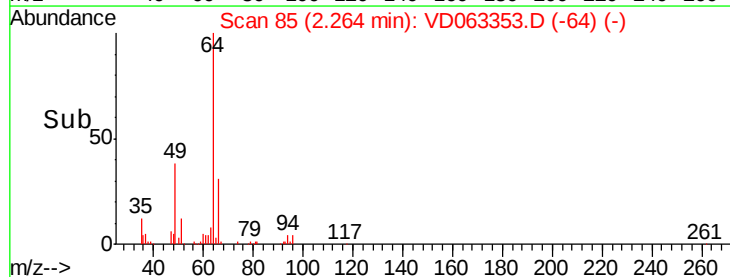
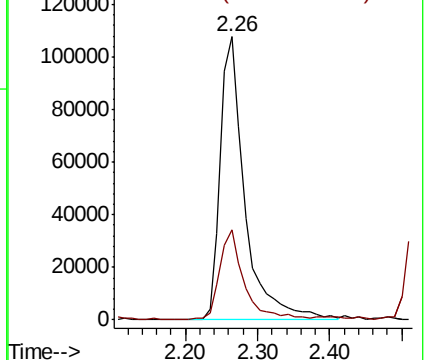
Ion Ratio Lower Upper

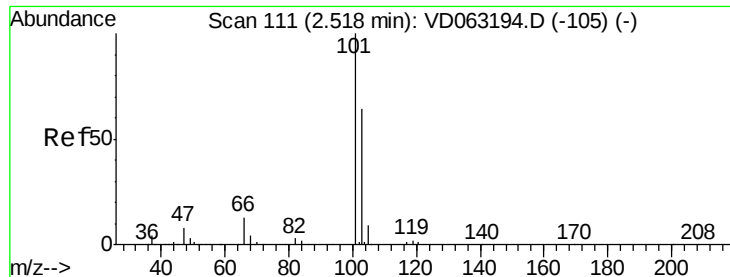
64 100

66 31.8 22.2 33.2



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



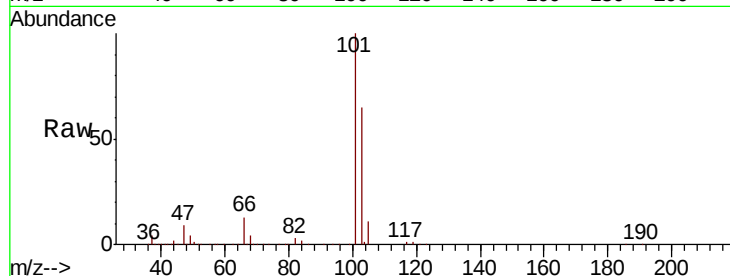


#7

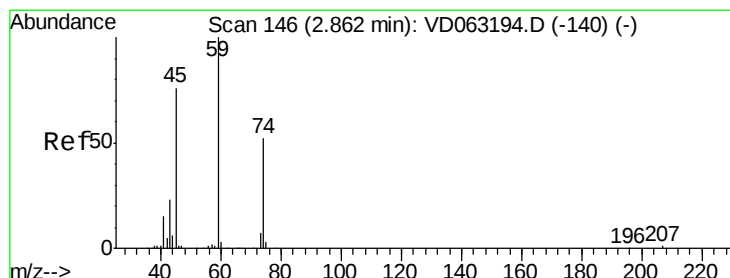
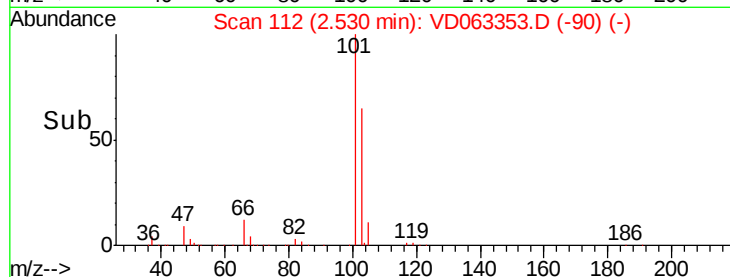
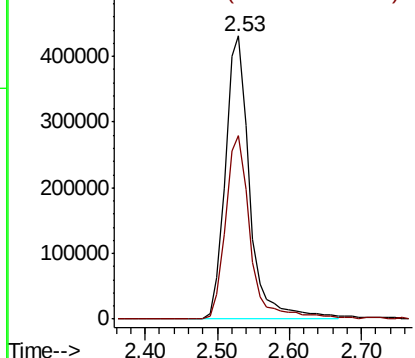
Trichlorofluoromethane
Concen: 48.844 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
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Tgt Ion:101 Resp: 1014143
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3



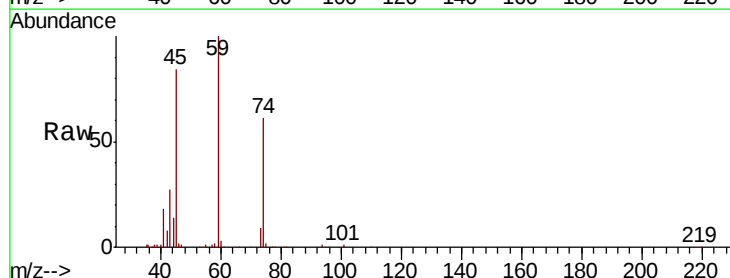
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



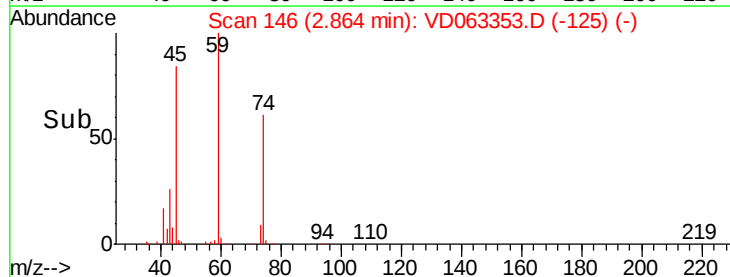
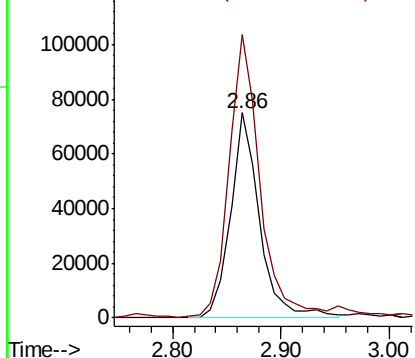
#8

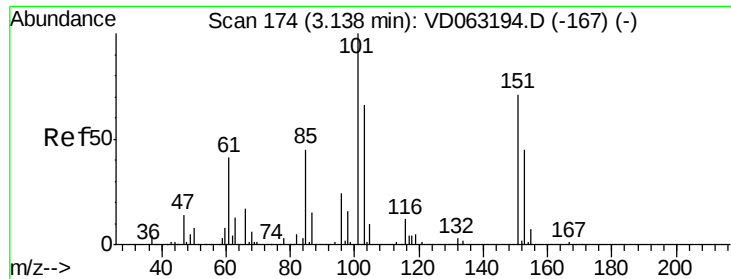
Diethyl Ether
Concen: 48.097 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 74 Resp: 139761
Ion Ratio Lower Upper
74 100
45 138.2 73.6 220.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.127 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

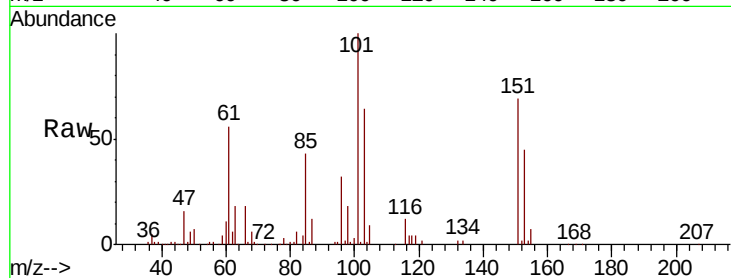
Tgt Ion:101 Resp: 622528

Ion Ratio Lower Upper

101 100

85 43.4 36.1 54.1

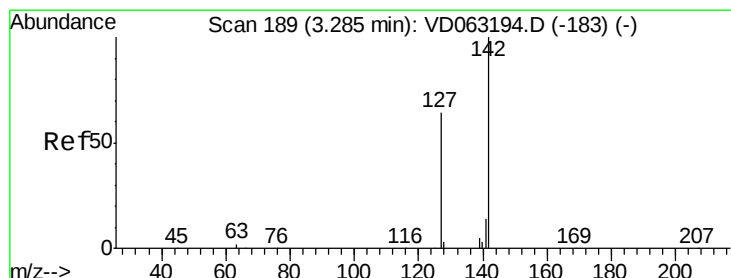
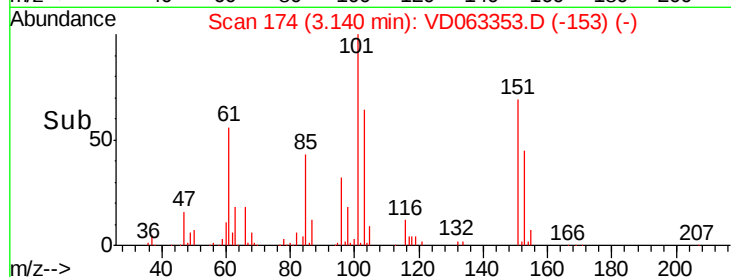
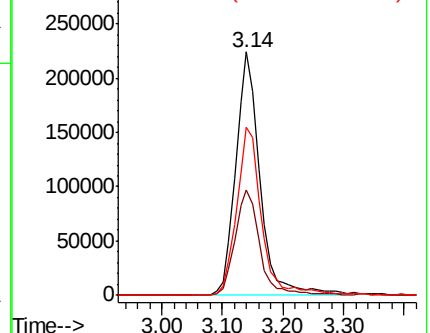
151 69.2 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.297 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

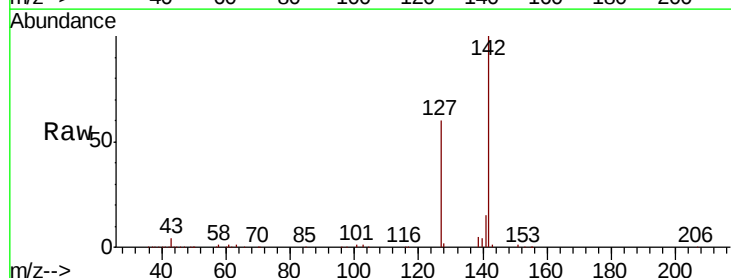
Tgt Ion:142 Resp: 835675

Ion Ratio Lower Upper

142 100

127 60.4 50.8 76.2

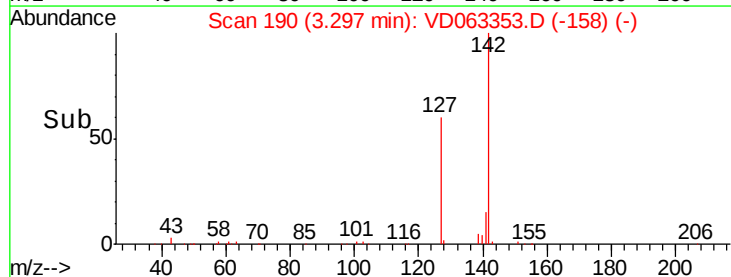
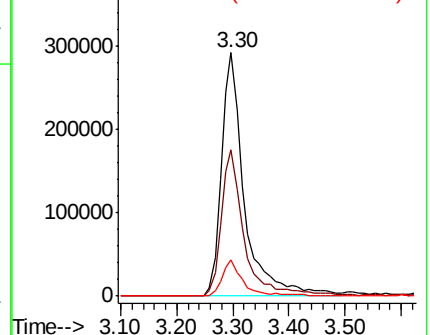
141 14.7 11.4 17.2

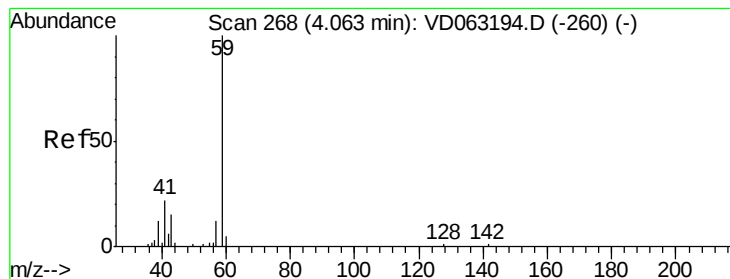


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



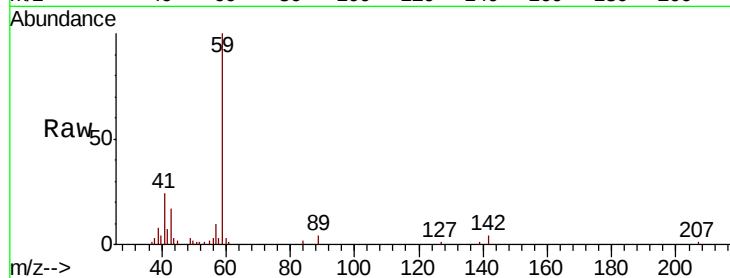


#11

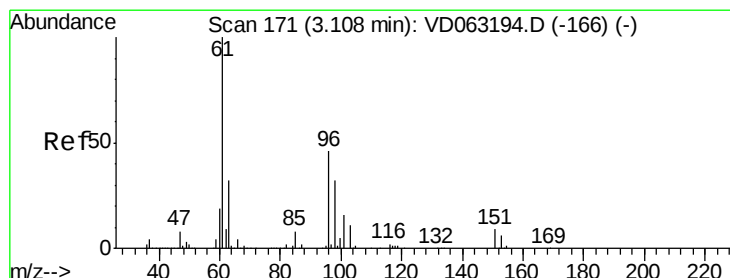
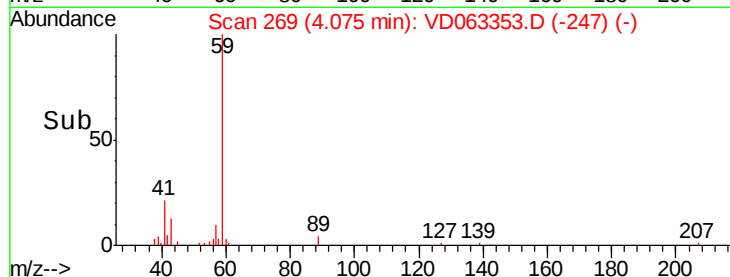
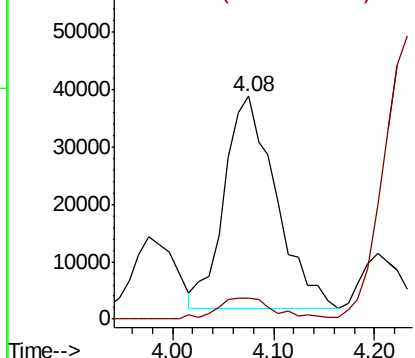
Tert butyl alcohol
 Concen: 246.273 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 59 Resp: 130544
 Ion Ratio Lower Upper
 59 100
 57 9.6 9.6 14.4#



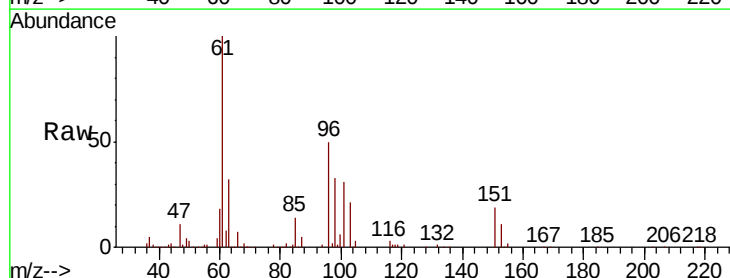
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



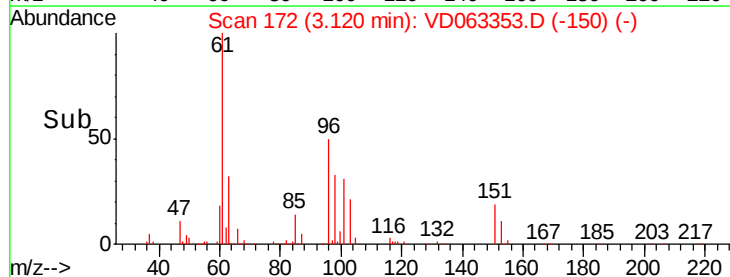
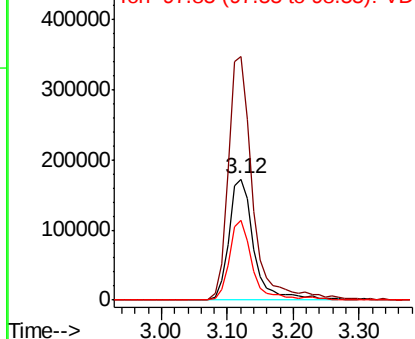
#12

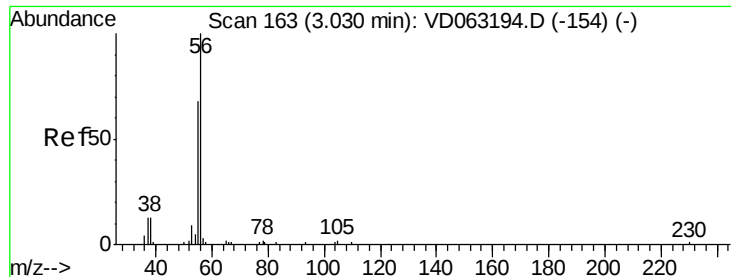
1,1-Dichloroethene
 Concen: 54.431 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion: 96 Resp: 459588
 Ion Ratio Lower Upper
 96 100
 61 200.8 173.7 260.5
 98 65.7 55.8 83.8



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





#13

Acrolein

Concen: 297.316 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

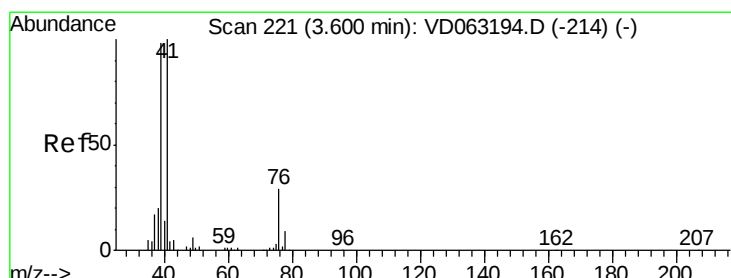
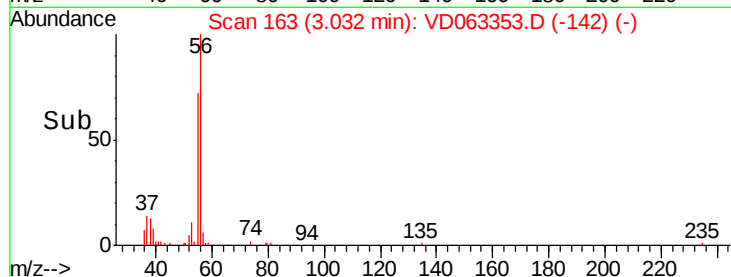
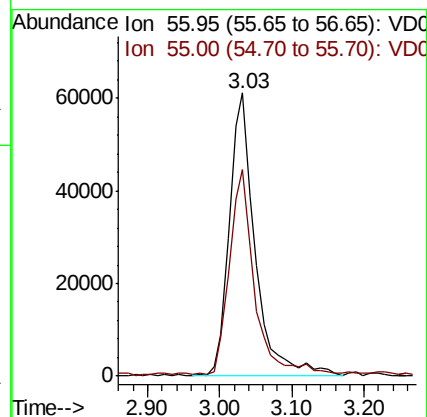
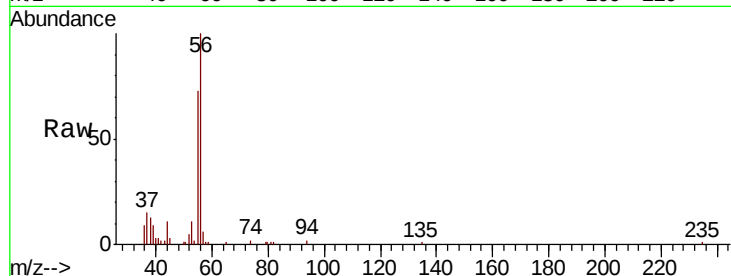
VSTDCCC050

Tgt Ion: 56 Resp: 151676

Ion Ratio Lower Upper

56 100

55 72.9 55.3 82.9



#14

Allyl chloride

Concen: 50.708 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

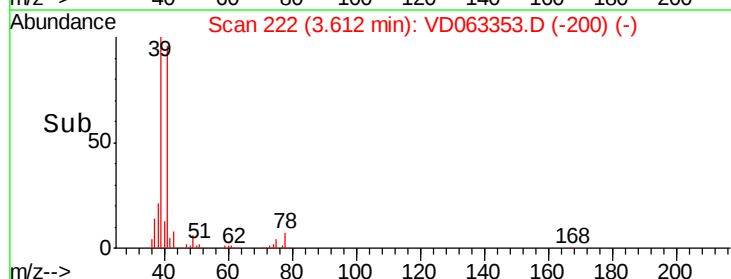
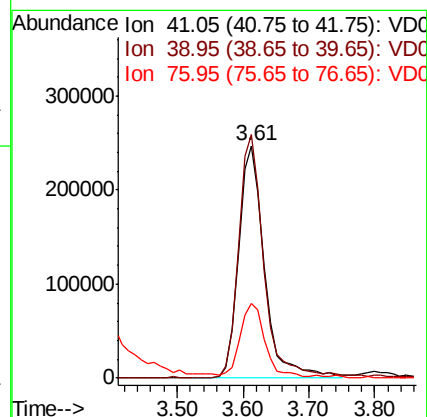
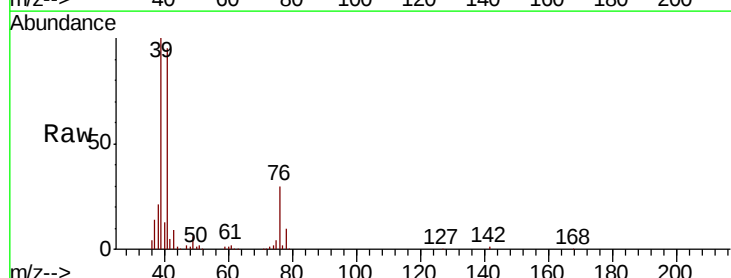
Tgt Ion: 41 Resp: 682053

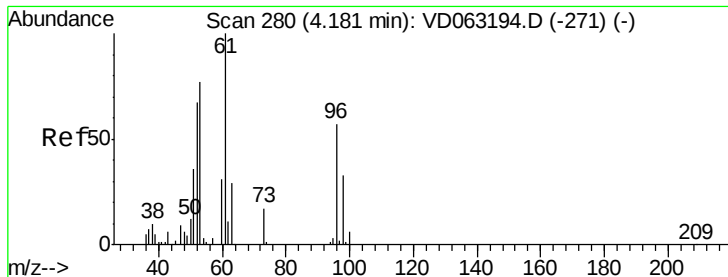
Ion Ratio Lower Upper

41 100

39 104.8 78.6 117.8

76 31.9 24.5 36.7





#15

Acrylonitrile

Concen: 253.592 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

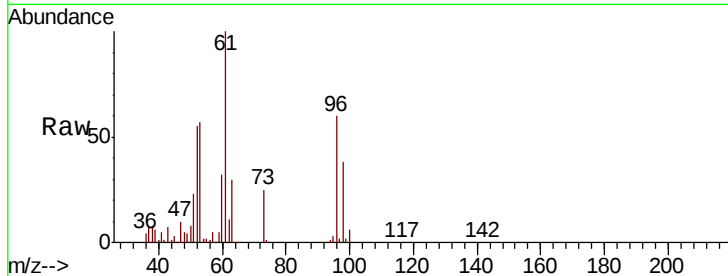
Tgt Ion: 53 Resp: 348504

Ion Ratio Lower Upper

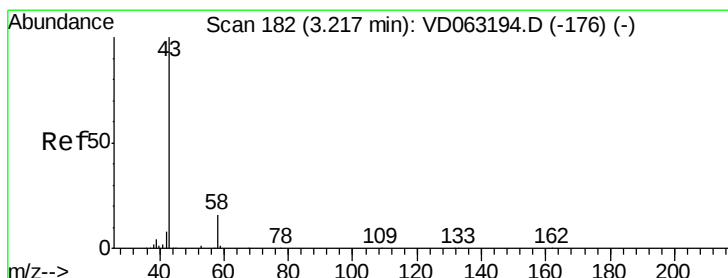
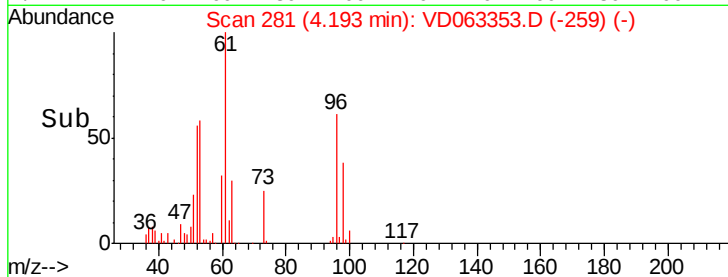
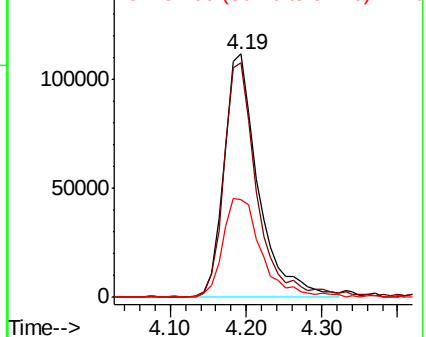
53 100

52 96.5 69.7 104.5

51 40.2 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: 296.925 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063353.D

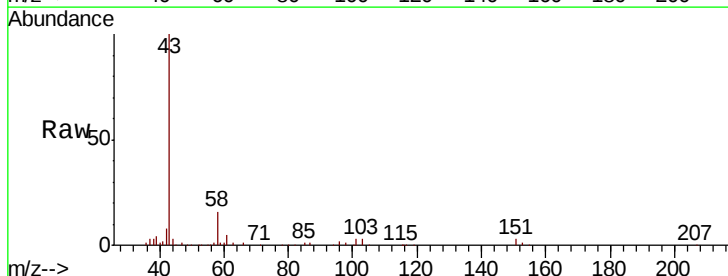
Acq: 3 Aug 2019 11:15

Tgt Ion: 43 Resp: 698793

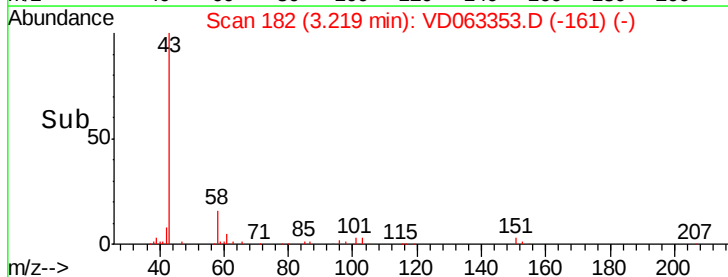
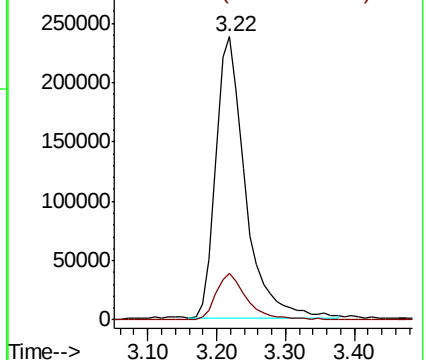
Ion Ratio Lower Upper

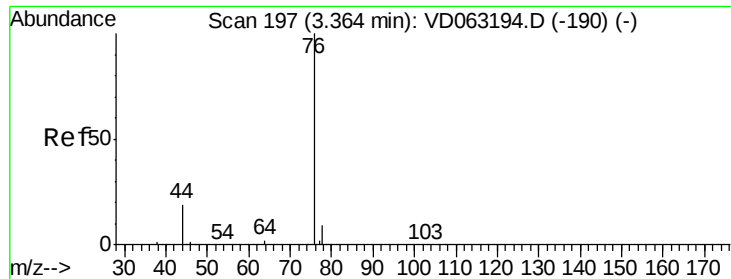
43 100

58 16.3 13.0 19.4



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

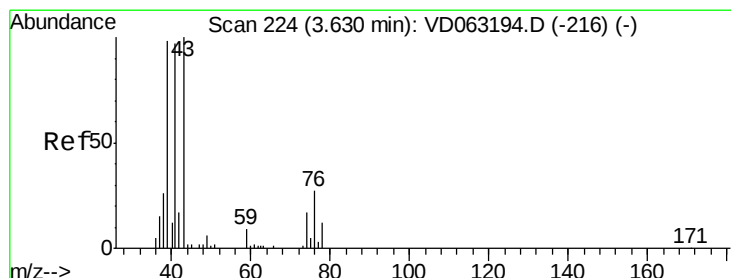
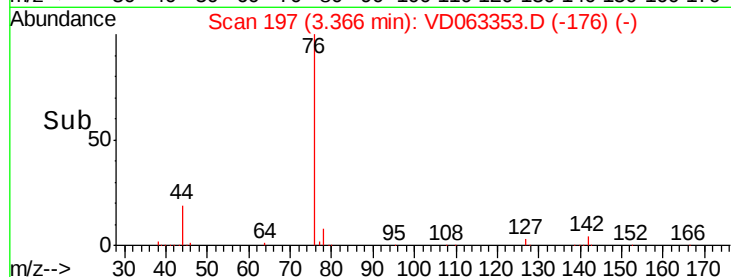
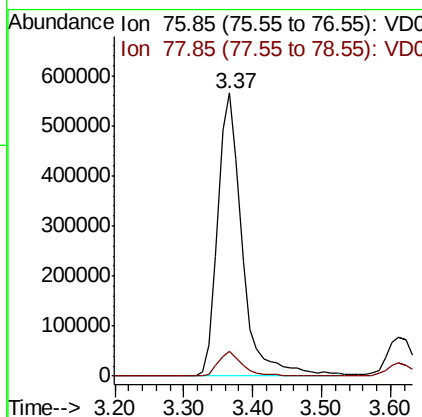
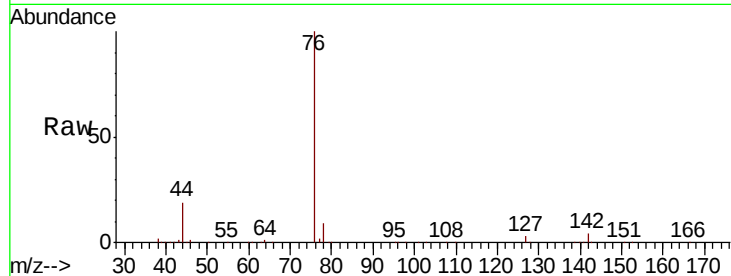




#17
Carbon Disulfide
Concen: 49.467 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

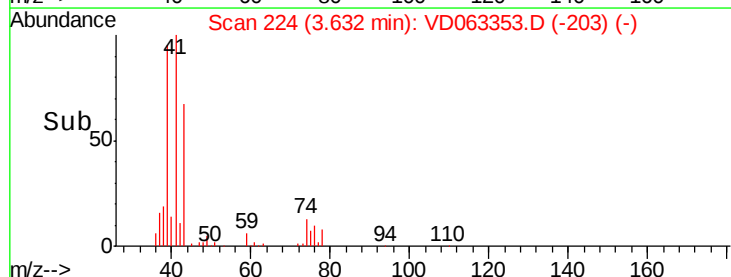
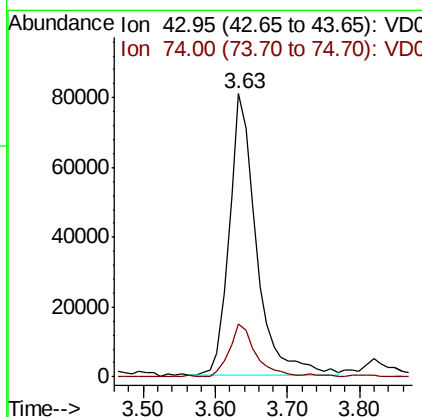
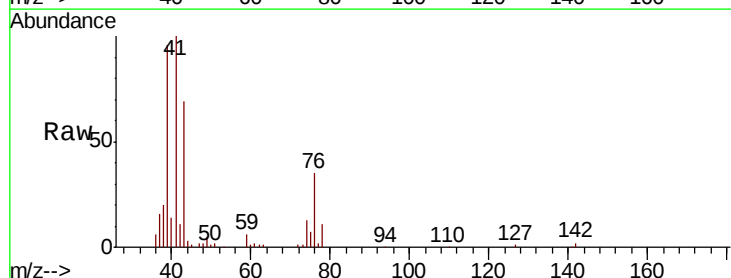
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

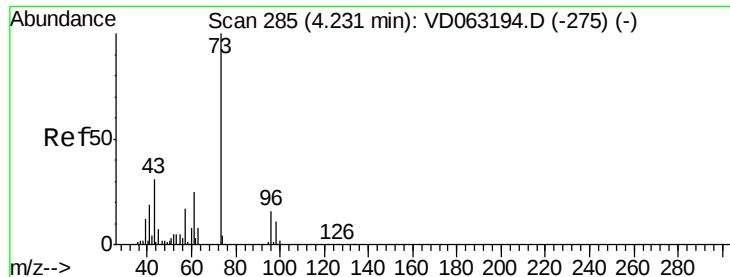
Tgt Ion: 76 Resp: 1397987
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 46.311 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 43 Resp: 209349
Ion Ratio Lower Upper
43 100
74 18.6 13.8 20.8



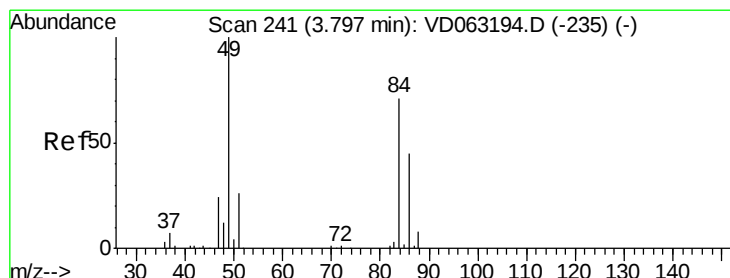
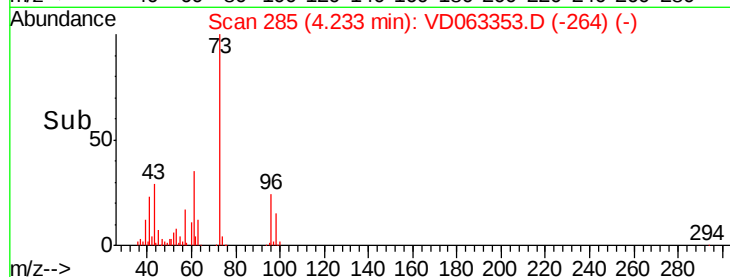
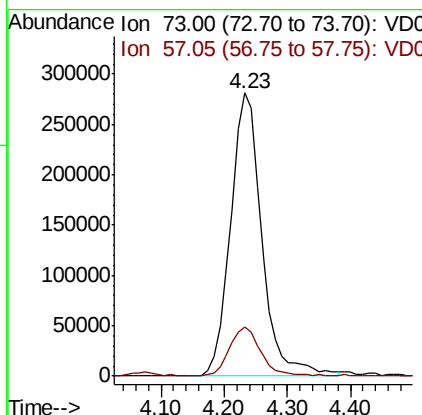
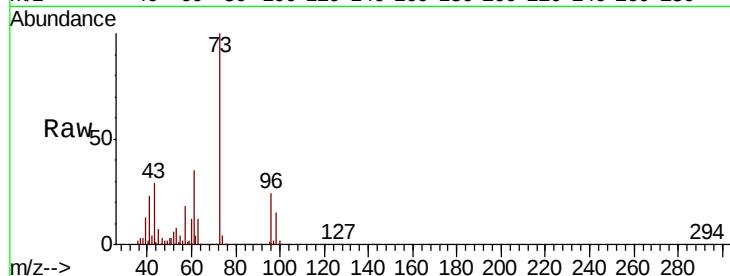


#19

Methyl tert-butyl Ether
 Concen: 50.538 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

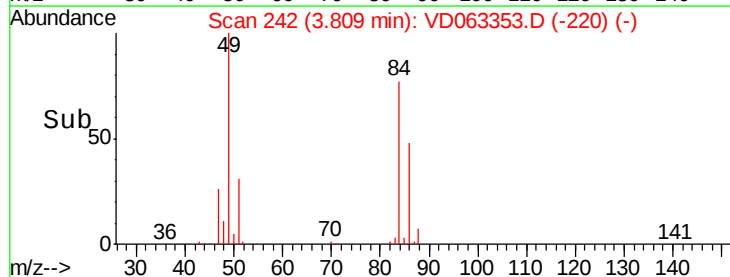
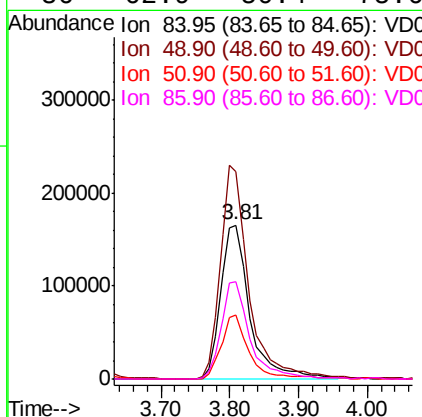
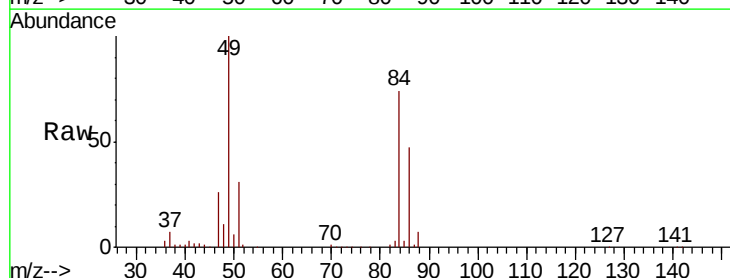
Tgt Ion: 73 Resp: 963898
 Ion Ratio Lower Upper
 73 100
 57 17.5 13.8 20.6

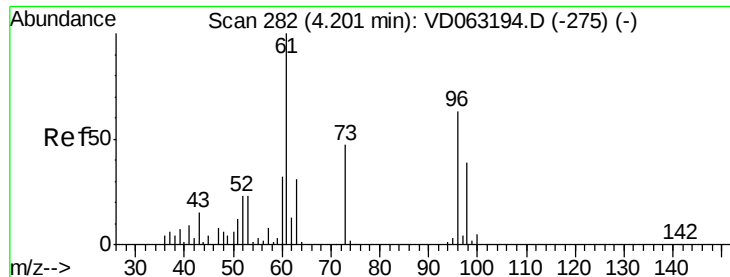


#20

Methylene Chloride
 Concen: 51.037 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion: 84 Resp: 485505
 Ion Ratio Lower Upper
 84 100
 49 134.7 112.5 168.7
 51 41.9 29.6 44.4
 86 62.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 52.459 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

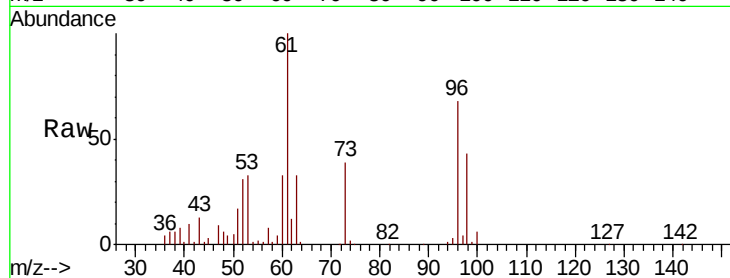
Tgt Ion: 96 Resp: 496991

Ion Ratio Lower Upper

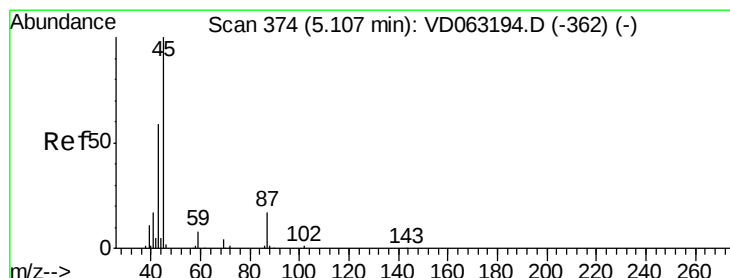
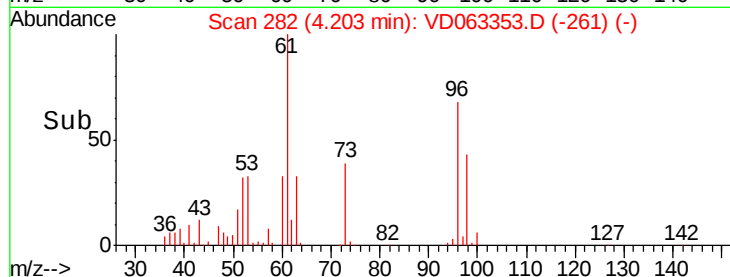
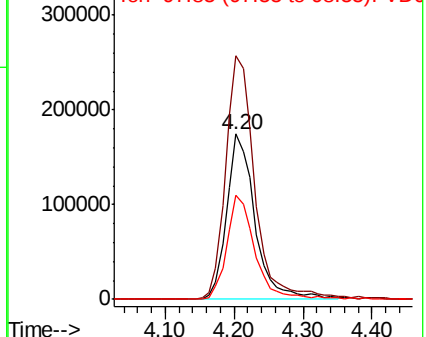
96 100

61 147.4 127.4 191.2

98 63.2 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: 51.535 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Tgt Ion: 45 Resp: 1384894

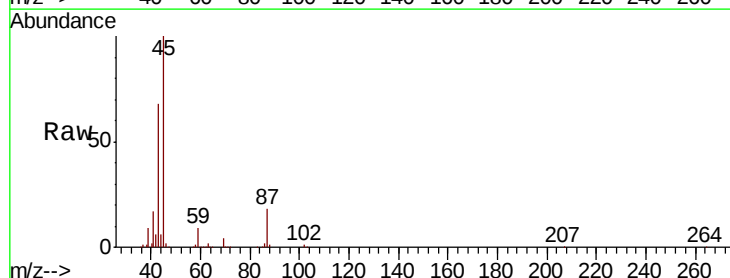
Ion Ratio Lower Upper

45 100

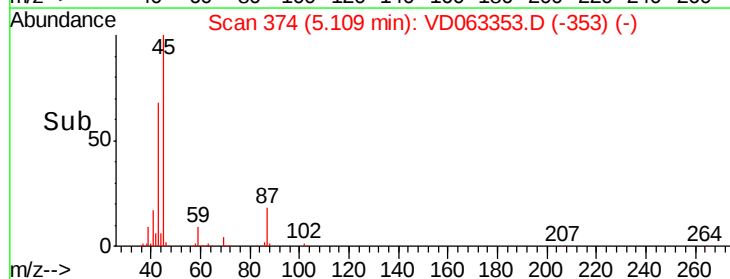
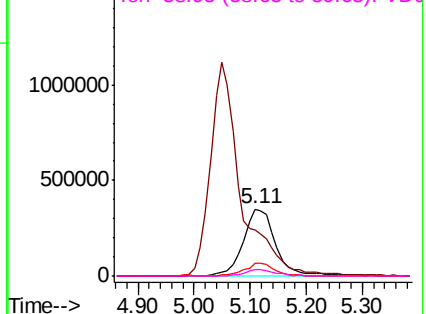
43 68.1 51.7 77.5

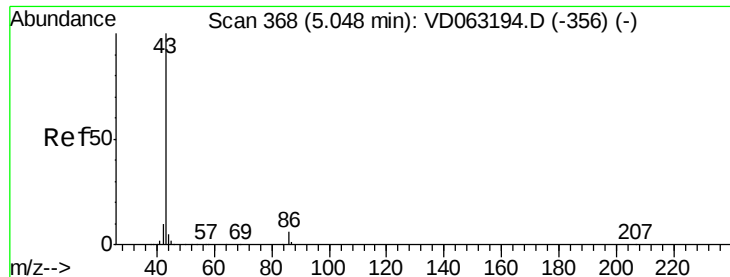
87 18.3 14.6 21.8

59 8.7 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: 254.464 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

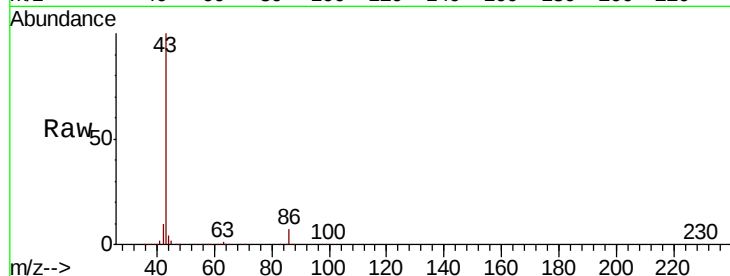
VSTDCCC050

Tgt Ion: 43 Resp: 4203486

Ion Ratio Lower Upper

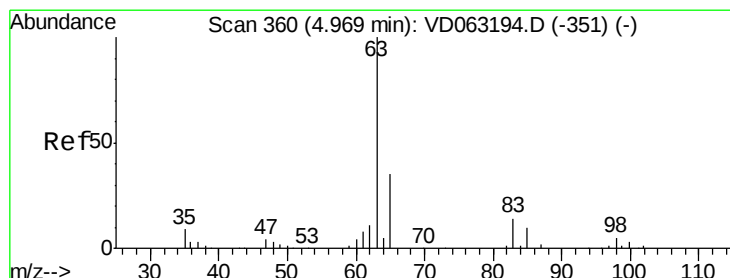
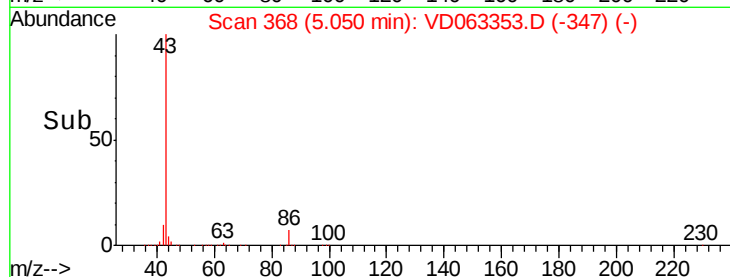
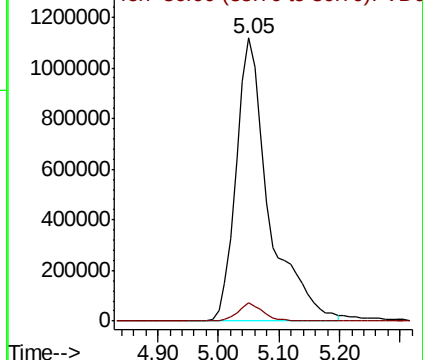
43 100

86 6.5 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: 50.823 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

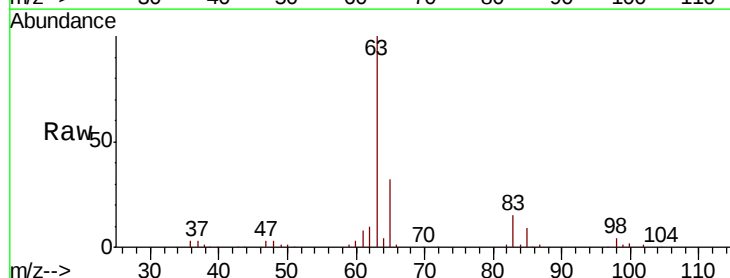
Tgt Ion: 63 Resp: 872382

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

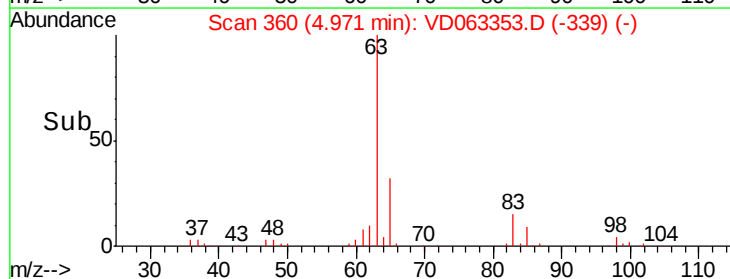
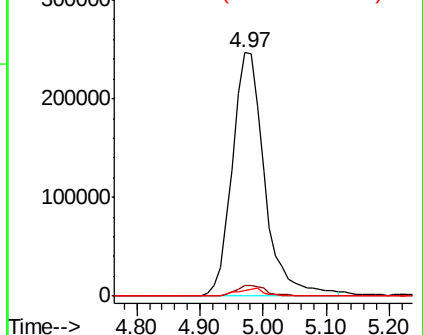
100 2.3 1.3 3.9

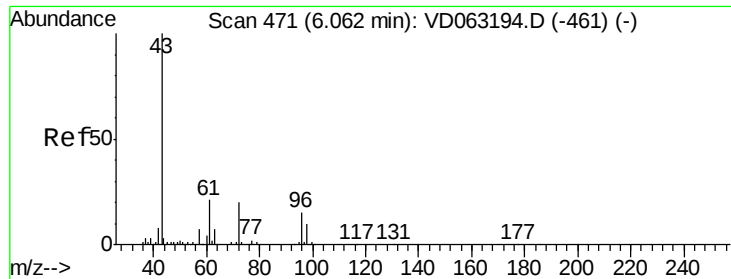


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 281.003 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

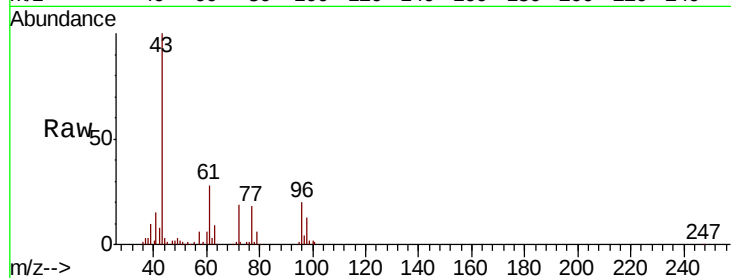
VSTDCCC050

Tgt Ion: 43 Resp: 663693

Ion Ratio Lower Upper

43 100

72 18.5 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

100000

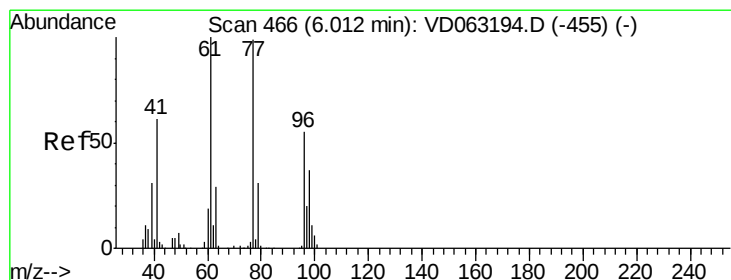
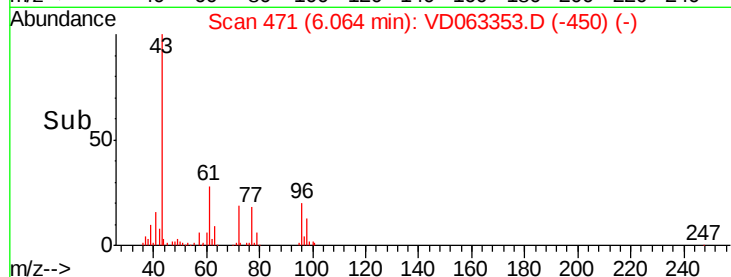
50000

0

6.06

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 53.486 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063353.D

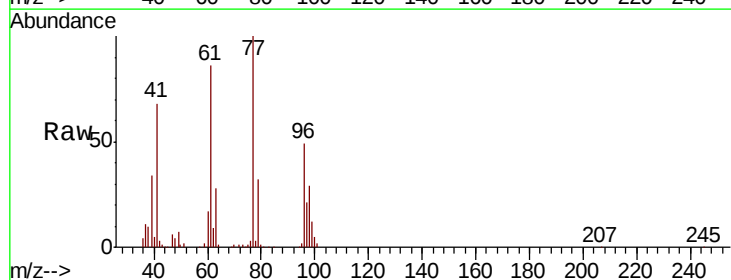
Acq: 3 Aug 2019 11:15

Tgt Ion: 77 Resp: 946144

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

300000

250000

200000

150000

100000

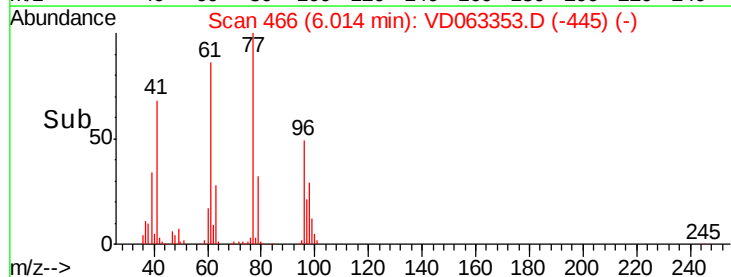
50000

0

6.01

5.90 6.00 6.10 6.20

Time-->



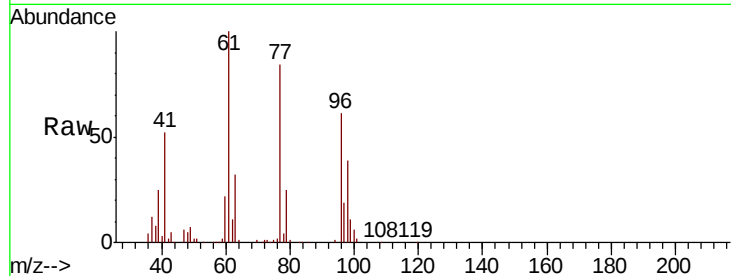


#27

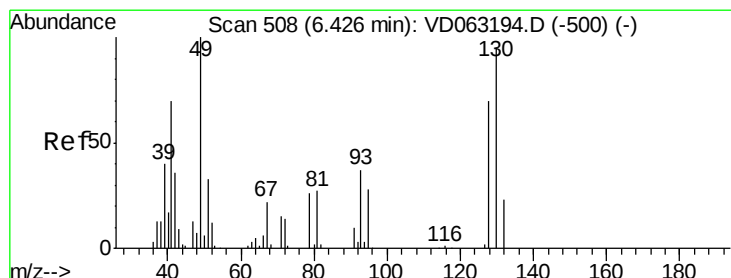
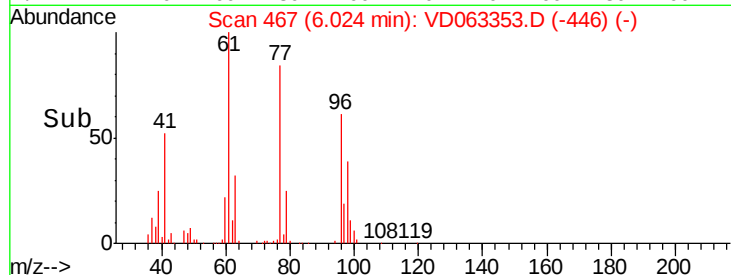
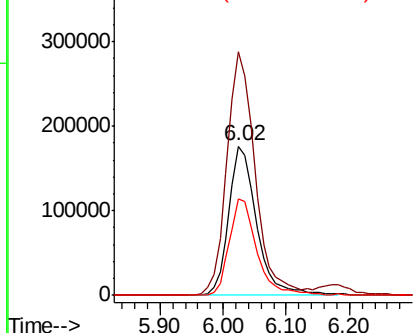
cis-1,2-Dichloroethene
Concen: 52.918 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 537510
Ion Ratio Lower Upper
96 100
61 163.5 0.0 337.2
98 64.4 0.0 130.6



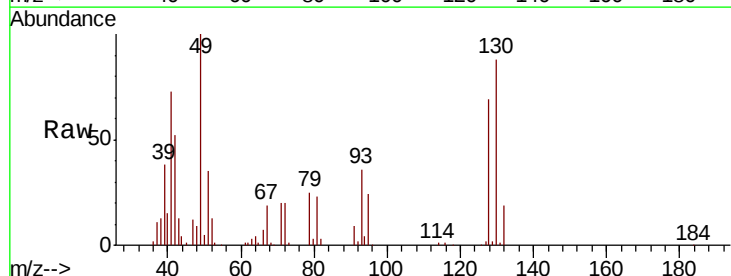
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



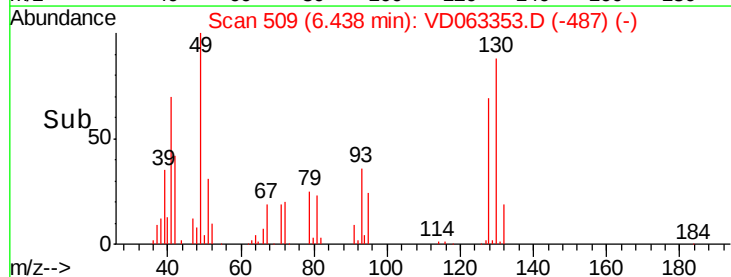
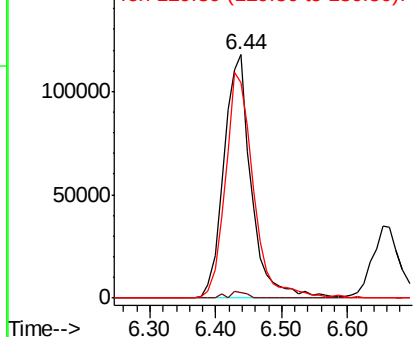
#28

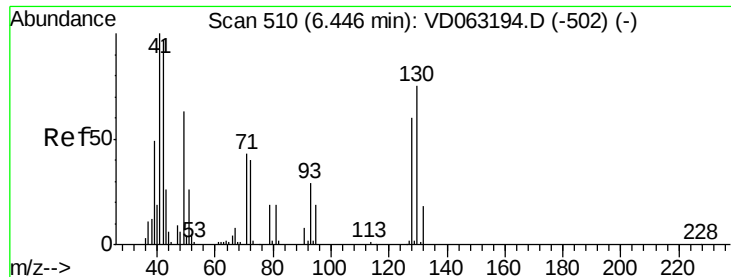
Bromochloromethane
Concen: 50.233 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 49 Resp: 343552
Ion Ratio Lower Upper
49 100
129 2.1 0.0 0.0#
130 88.4 75.7 113.5



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

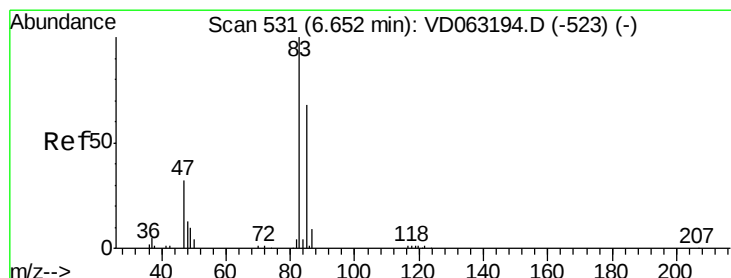
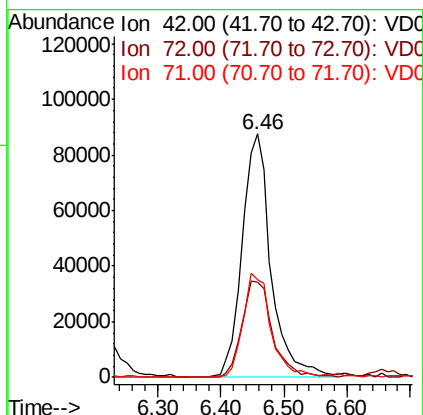
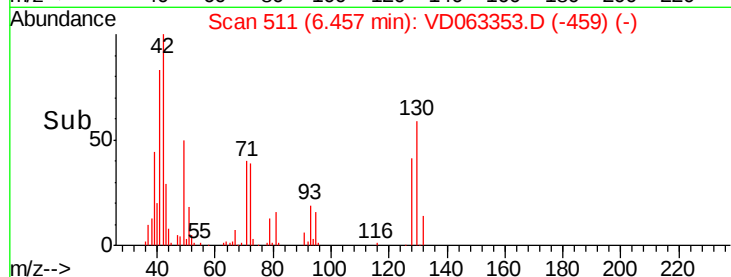
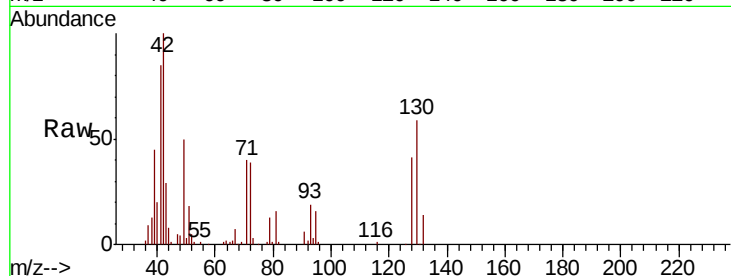




#29
Tetrahydrofuran
Concen: 249.350 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

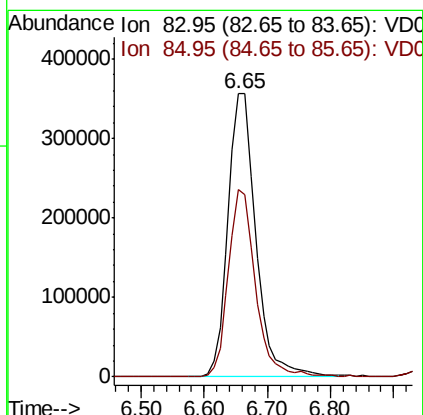
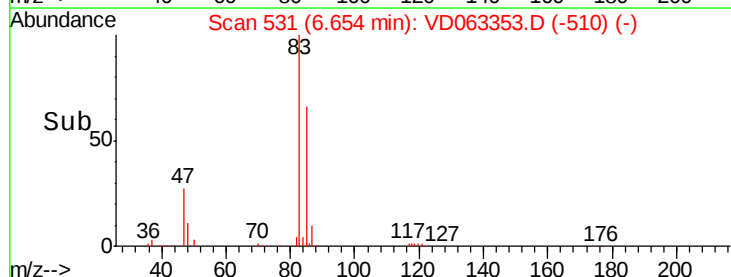
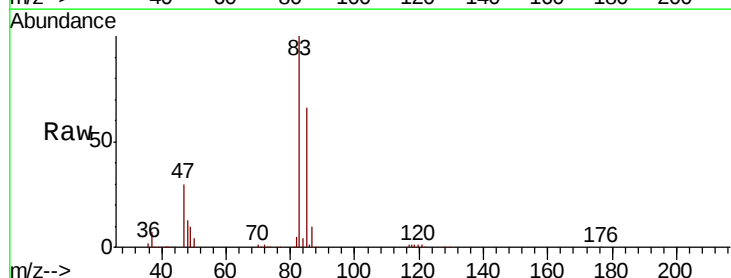
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

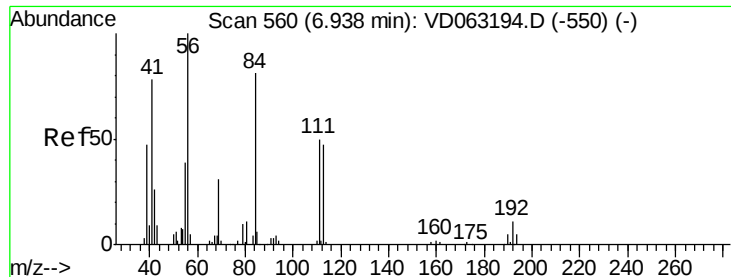
Tgt Ion: 42 Resp: 278829
Ion Ratio Lower Upper
42 100
72 41.8 33.4 50.2
71 41.0 35.7 53.5



#30
Chloroform
Concen: 51.361 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 83 Resp: 1094112
Ion Ratio Lower Upper
83 100
85 66.1 54.2 81.4

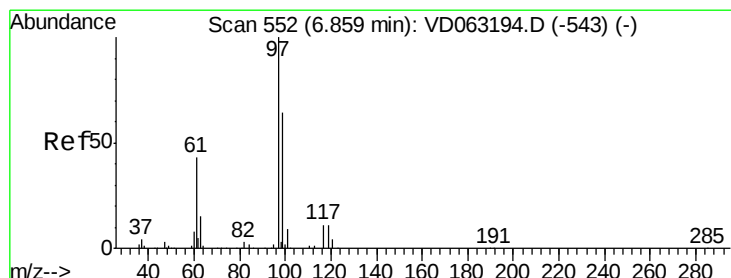
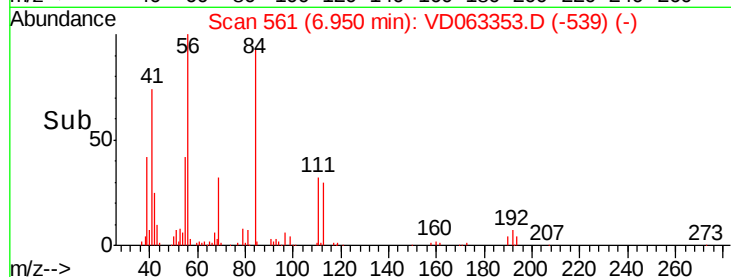
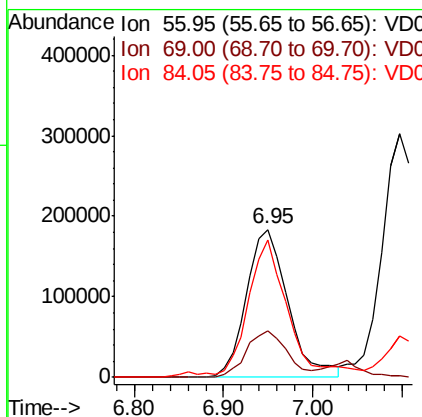
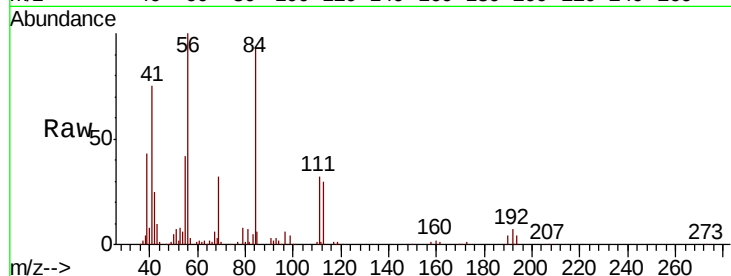




#31
Cyclohexane
Concen: 55.039 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

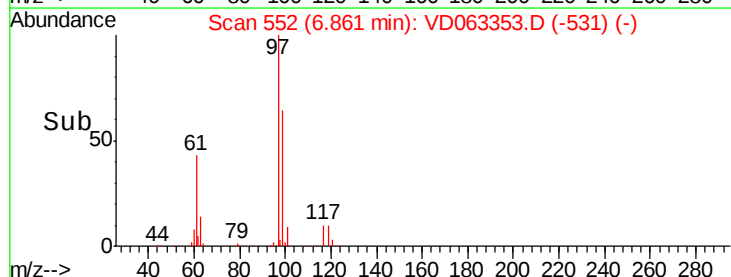
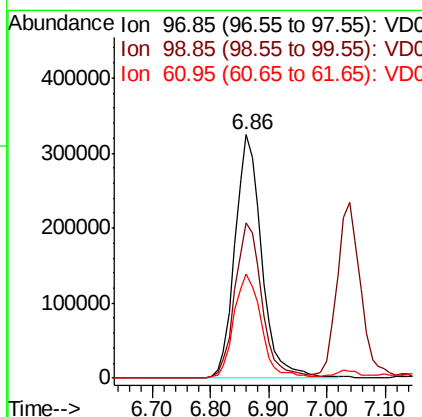
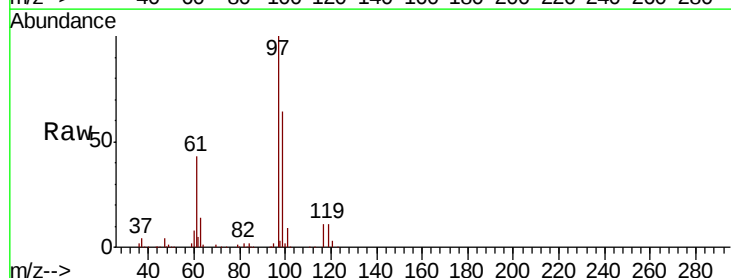
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

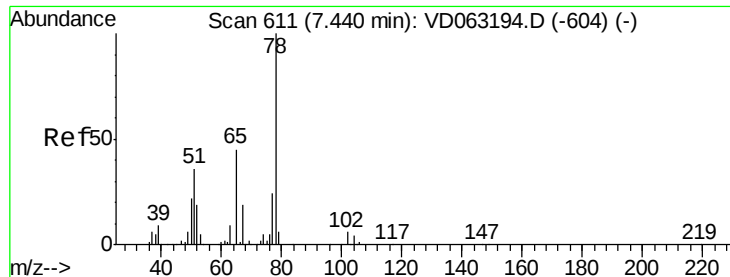
Tgt Ion: 56 Resp: 592180
Ion Ratio Lower Upper
56 100
69 31.7 24.5 36.7
84 93.3 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 50.312 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 97 Resp: 1036674
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 42.8 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.054 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

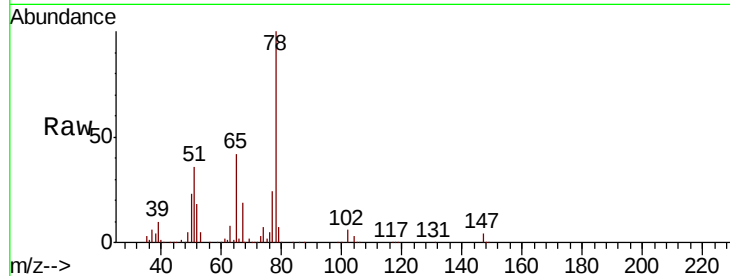
VSTDCCC050

Tgt Ion: 65 Resp: 568354

Ion Ratio Lower Upper

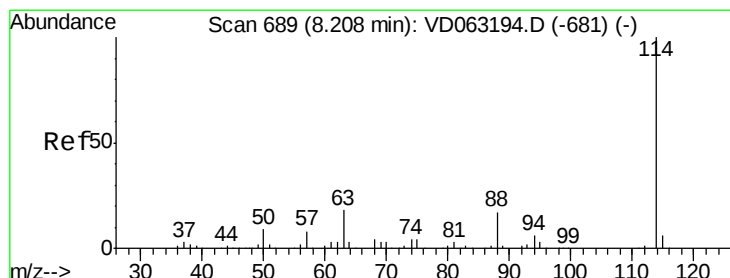
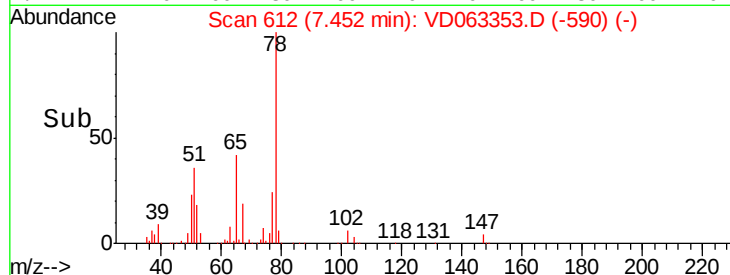
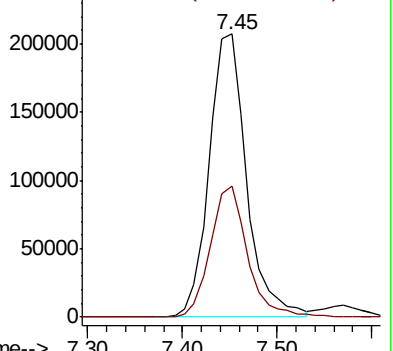
65 100

67 46.2 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

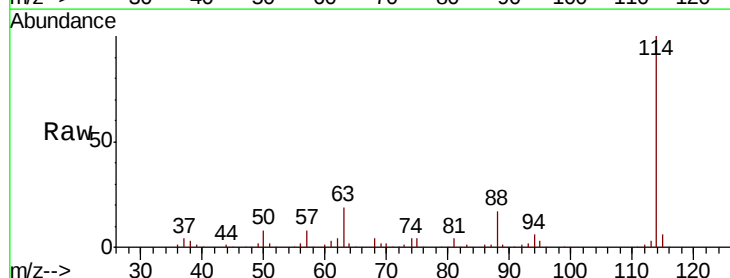
Tgt Ion: 114 Resp: 1502025

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.2

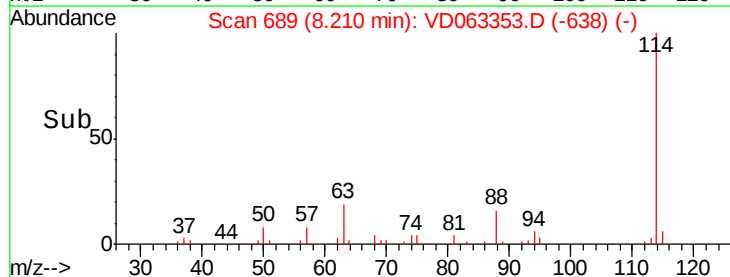
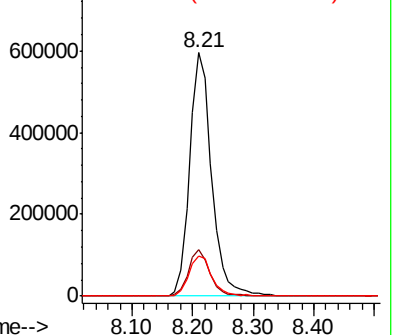
88 16.5 0.0 34.6

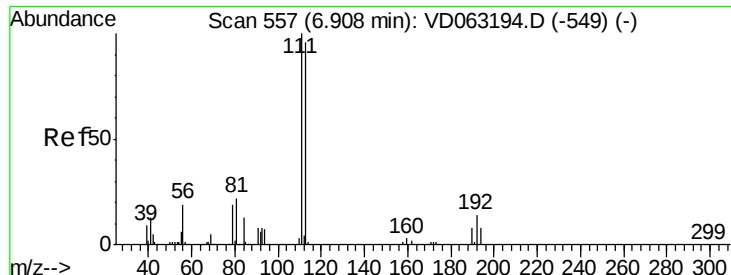


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

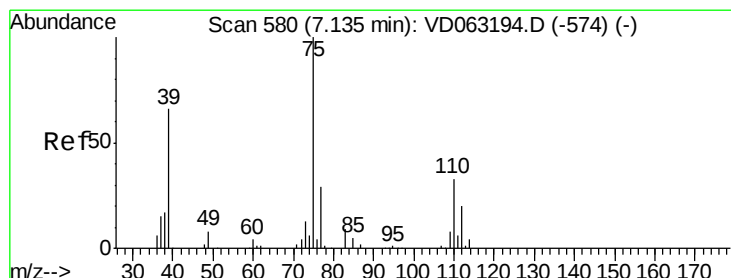
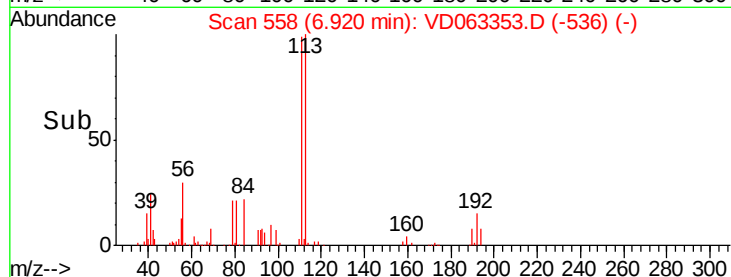
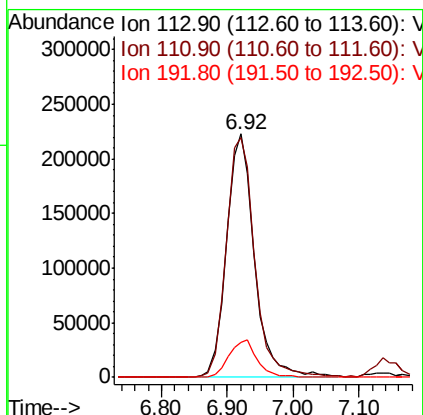
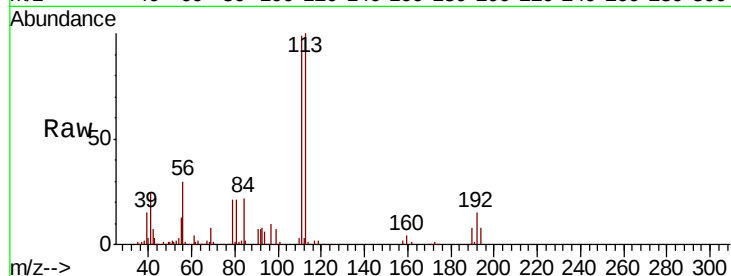




#35
 Dibromofluoromethane
 Concen: 51.627 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

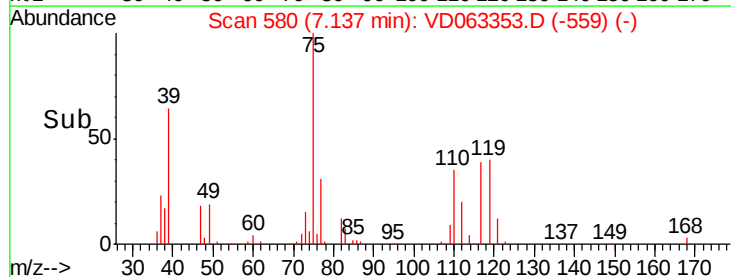
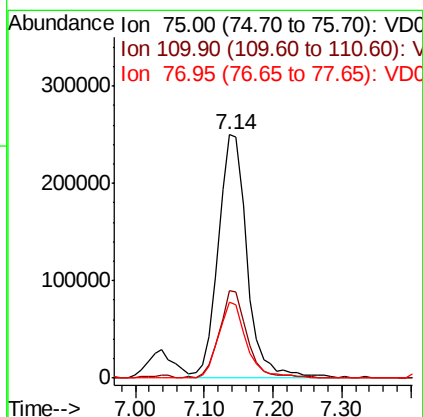
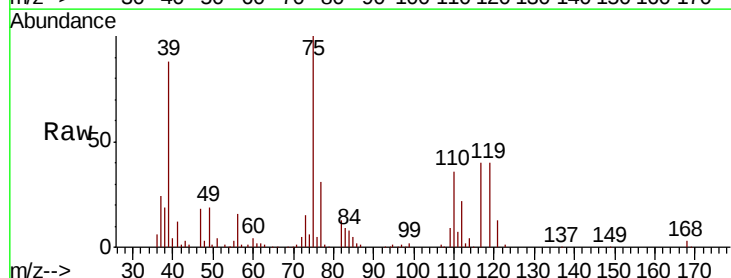
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

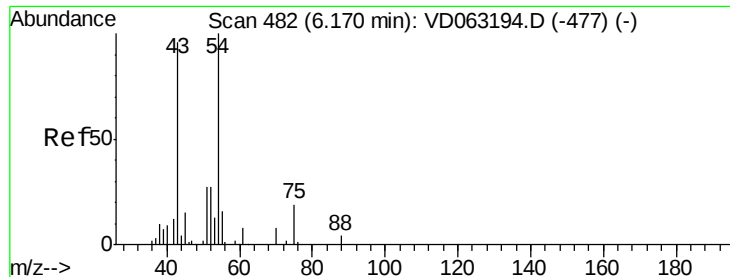
Tgt Ion:113 Resp: 662074
 Ion Ratio Lower Upper
 113 100
 111 98.7 83.2 124.8
 192 14.5 11.8 17.8



#36
 1,1-Dichloropropene
 Concen: 52.274 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion: 75 Resp: 716561
 Ion Ratio Lower Upper
 75 100
 110 36.0 16.1 48.2
 77 31.5 22.7 34.1





#37

Ethyl Acetate

Concen: 51.501 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

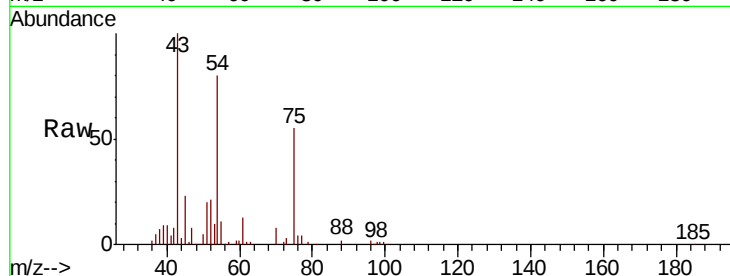
Tgt Ion: 43 Resp: 317165

Ion Ratio Lower Upper

43 100

61 13.3 11.3 16.9

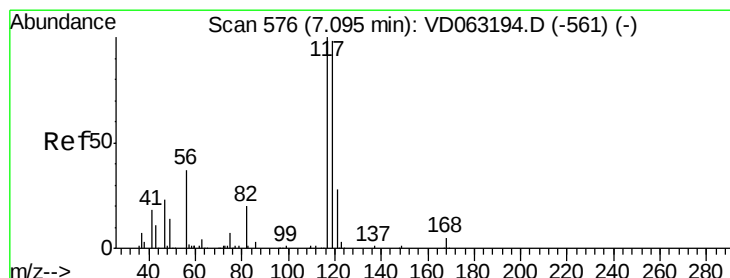
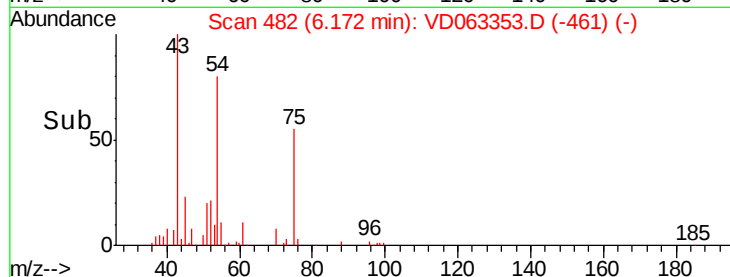
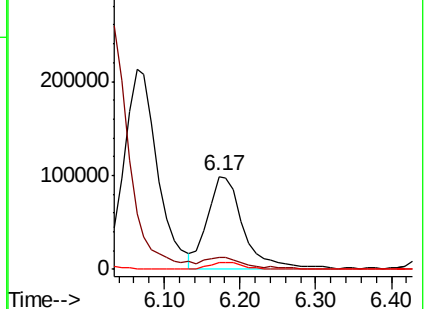
70 7.6 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 55.561 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.01 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

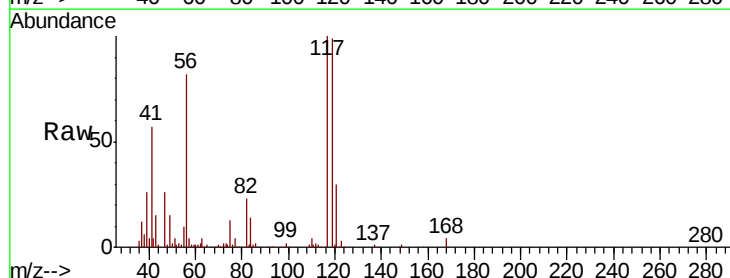
Tgt Ion: 117 Resp: 1146592

Ion Ratio Lower Upper

117 100

119 99.3 78.2 117.2

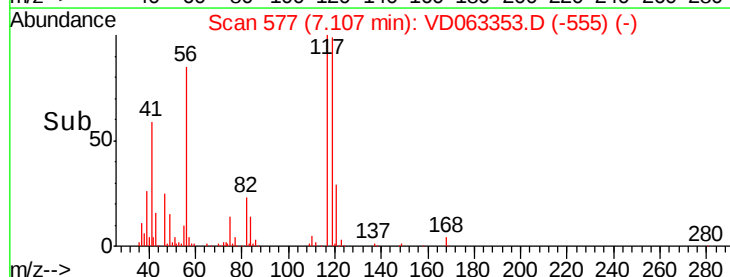
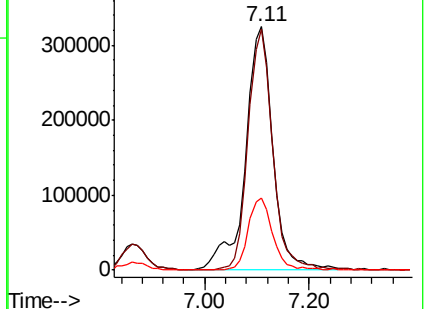
121 29.7 22.1 33.1

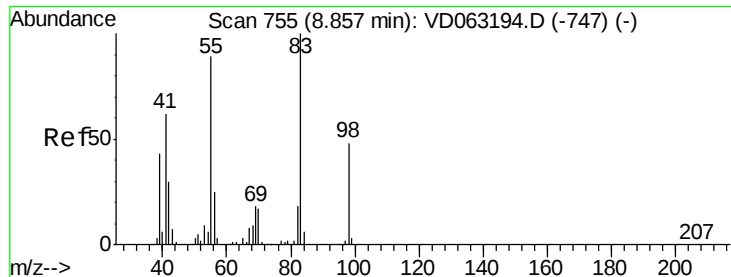


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

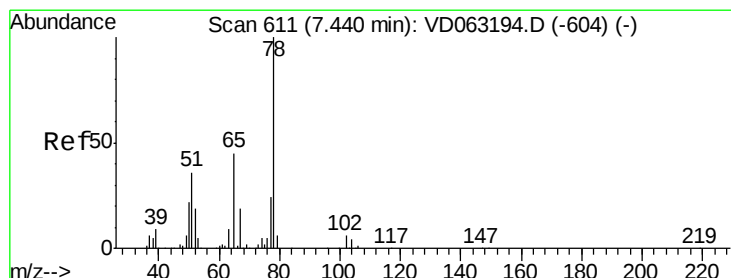
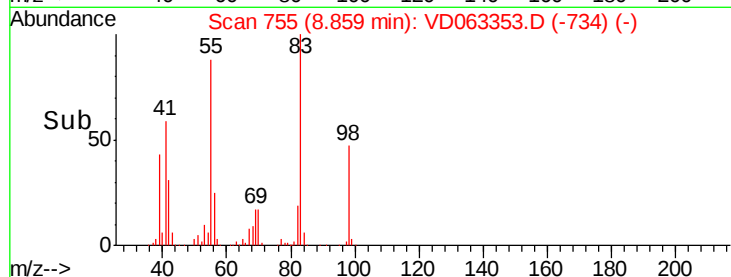
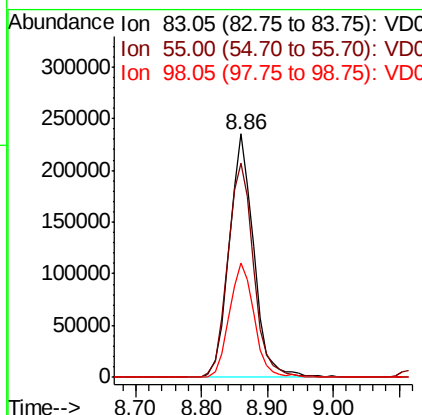
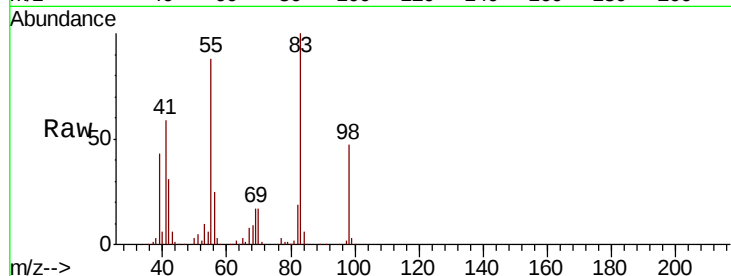




#39
Methylcyclohexane
Concen: 53.915 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

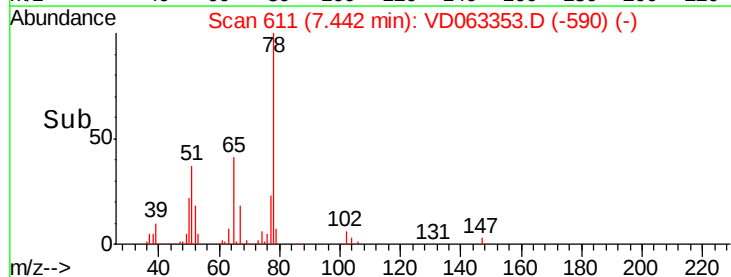
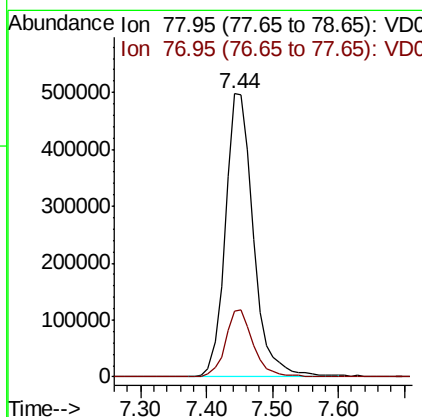
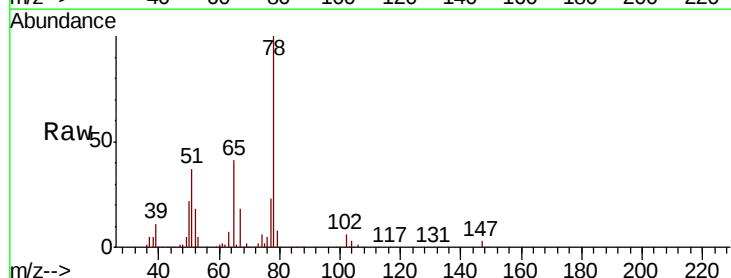
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

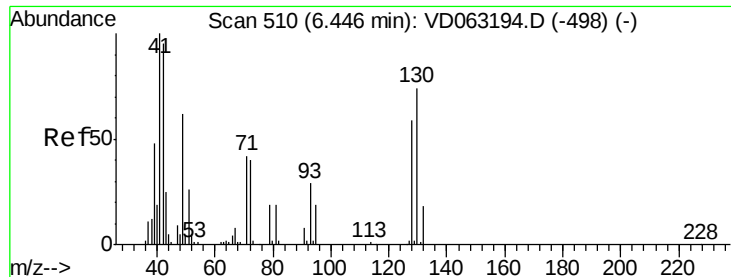
Tgt Ion: 83 Resp: 615757
Ion Ratio Lower Upper
83 100
55 87.7 71.1 106.7
98 47.0 38.5 57.7



#40
Benzene
Concen: 51.563 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 78 Resp: 1481375
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.2





#41

Methacrylonitrile

Concen: 50.037 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 368609

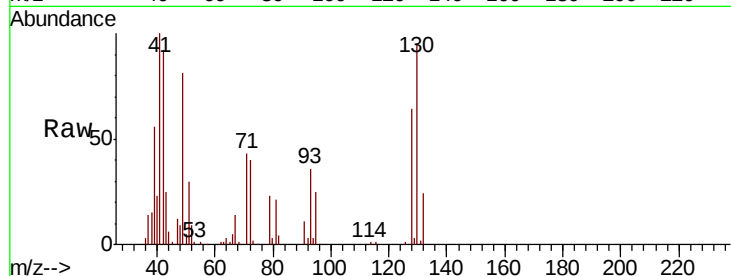
Ion Ratio Lower Upper

41 100

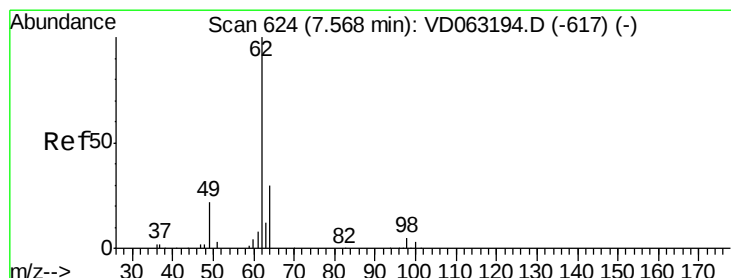
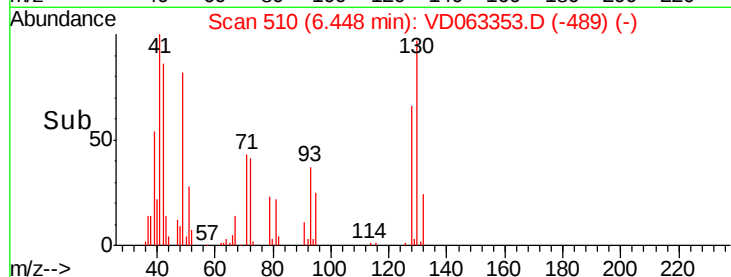
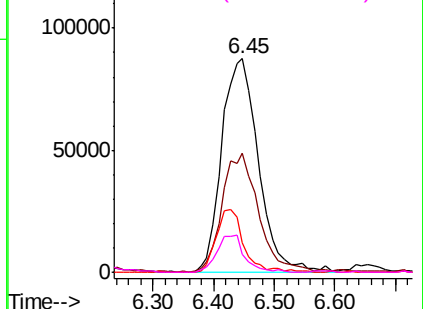
39 55.6 38.4 57.6

67 13.7 6.7 10.1#

52 8.5 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: 50.857 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063353.D

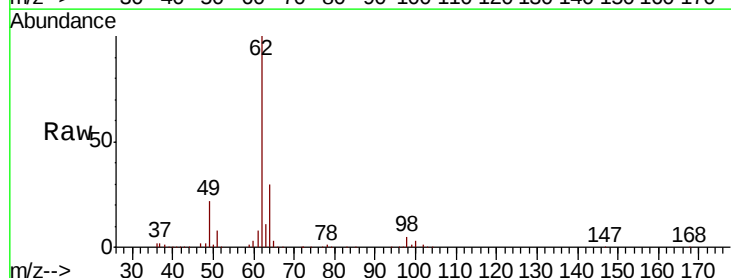
Acq: 3 Aug 2019 11:15

Tgt Ion: 62 Resp: 774345

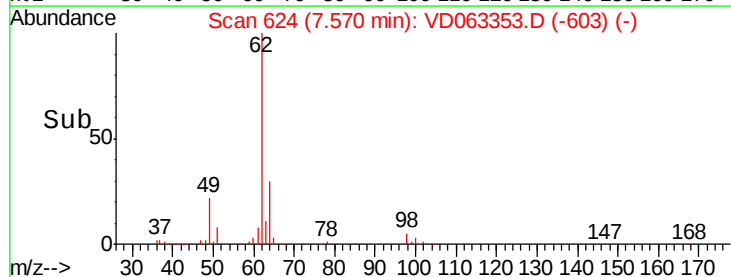
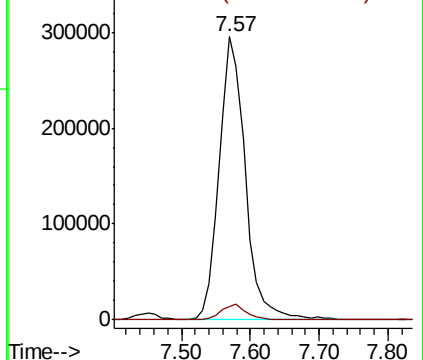
Ion Ratio Lower Upper

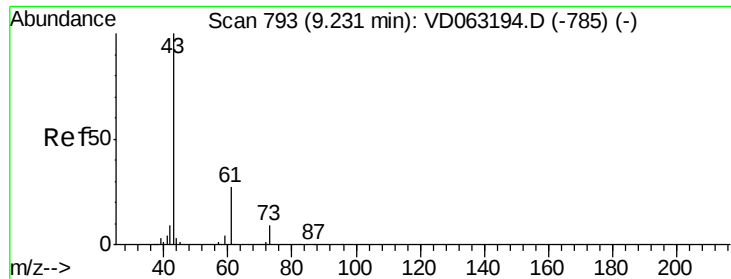
62 100

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: 52.534 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

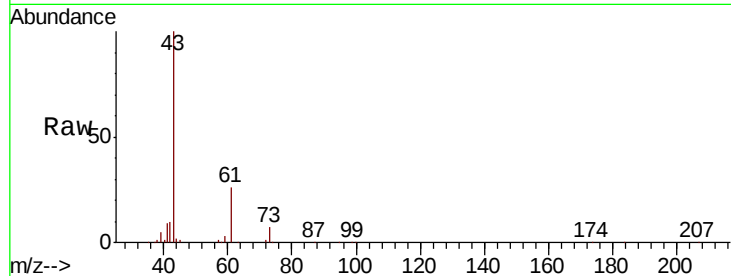
Tgt Ion: 43 Resp: 413269

Ion Ratio Lower Upper

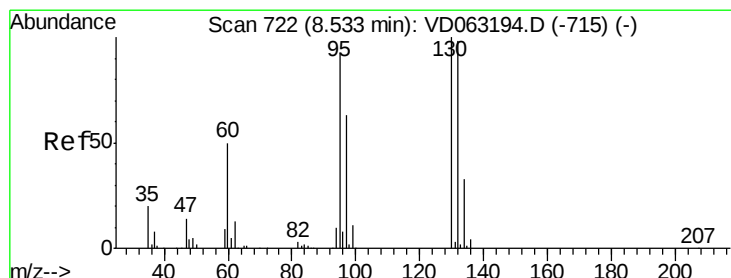
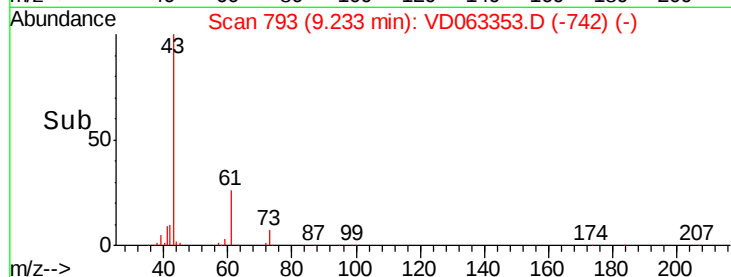
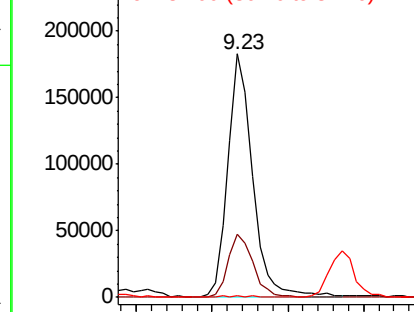
43 100

61 26.0 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: 51.571 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063353.D

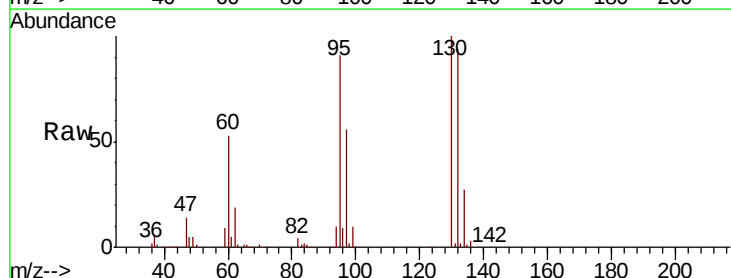
Acq: 3 Aug 2019 11:15

Tgt Ion: 130 Resp: 600358

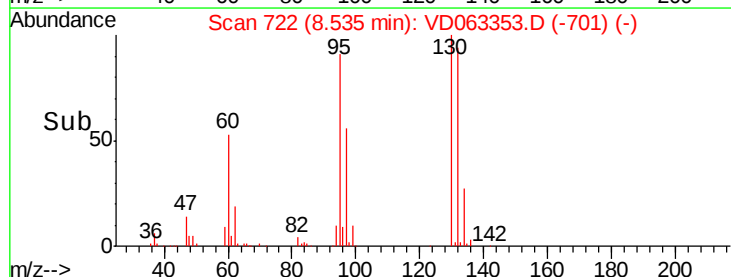
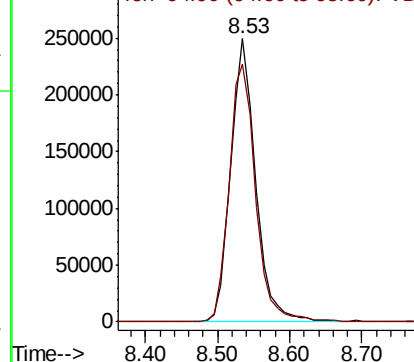
Ion Ratio Lower Upper

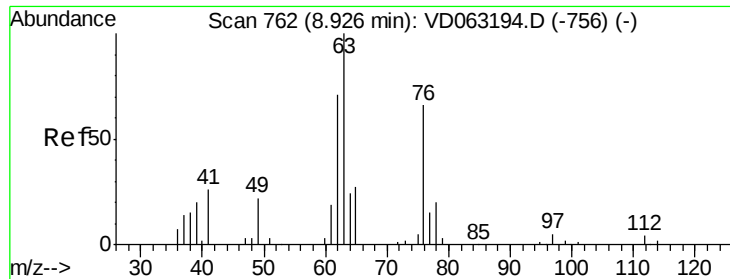
130 100

95 91.0 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: 52.754 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

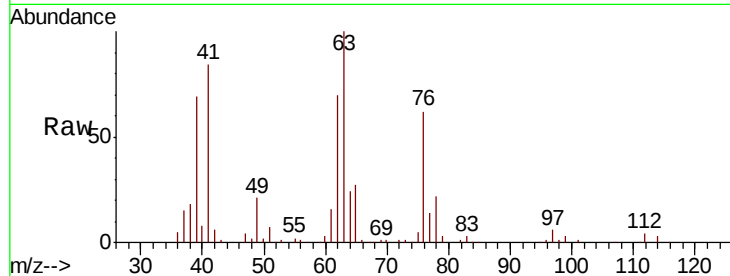
VSTDCCC050

Tgt Ion: 63 Resp: 385218

Ion Ratio Lower Upper

63 100

65 27.2 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

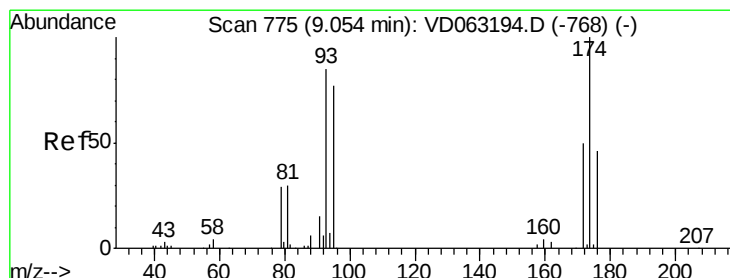
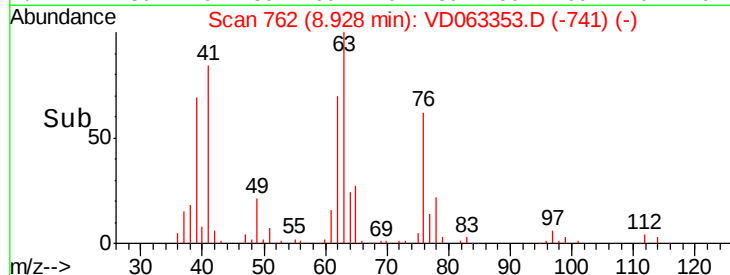
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.110 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

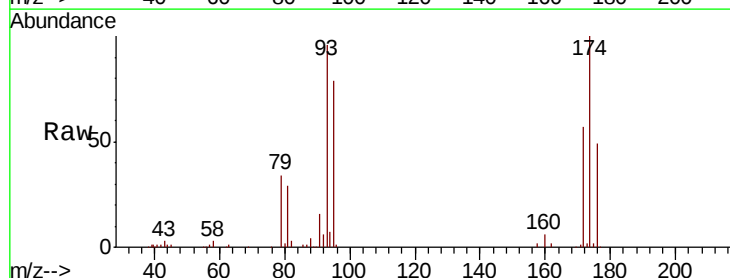
Tgt Ion: 93 Resp: 298180

Ion Ratio Lower Upper

93 100

95 82.6 72.8 109.2

174 104.5 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

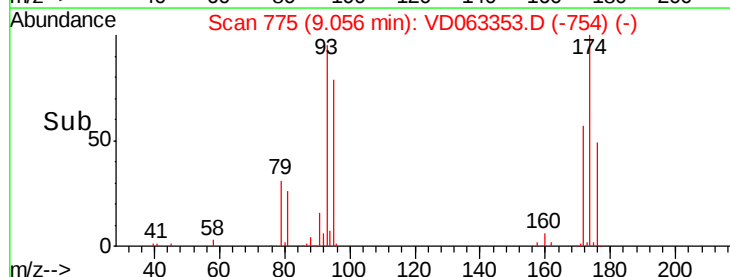
150000

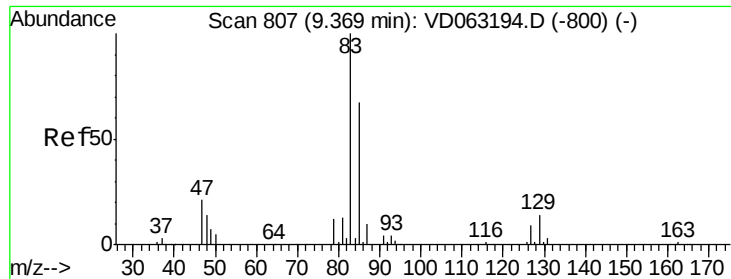
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 52.890 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

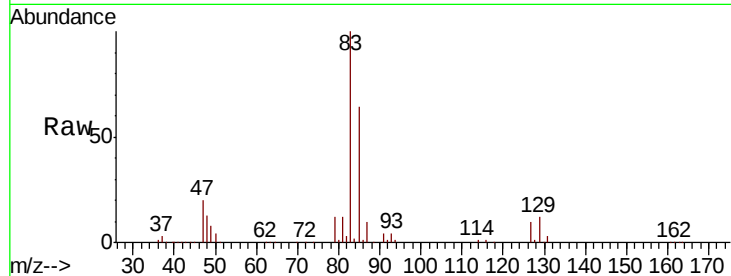
Tgt Ion: 83 Resp: 818598

Ion Ratio Lower Upper

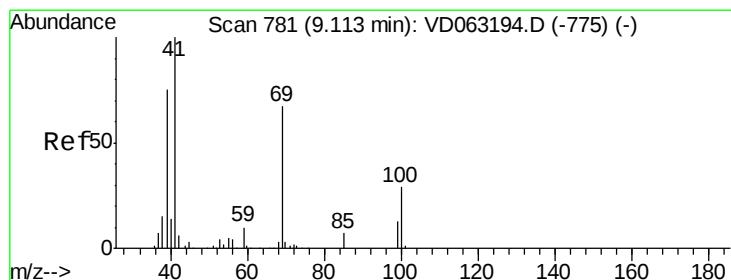
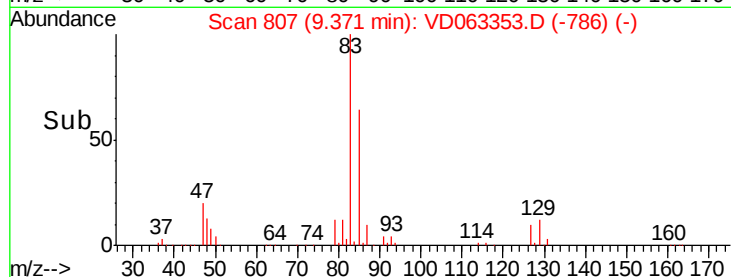
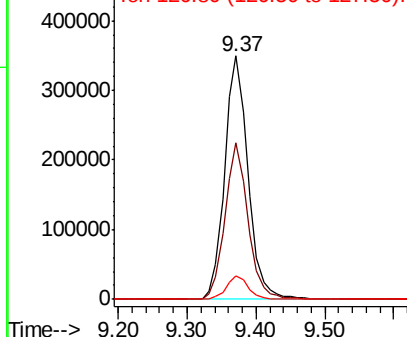
83 100

85 64.3 53.6 80.4

127 9.8 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: 54.161 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

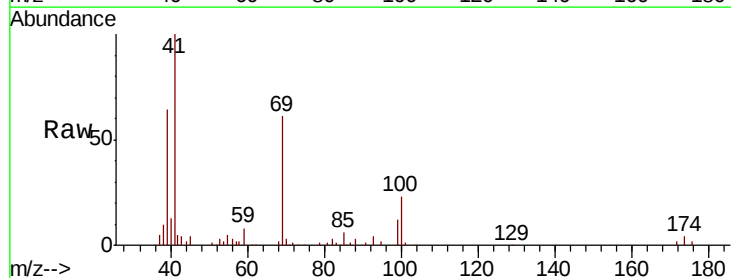
Tgt Ion: 41 Resp: 276334

Ion Ratio Lower Upper

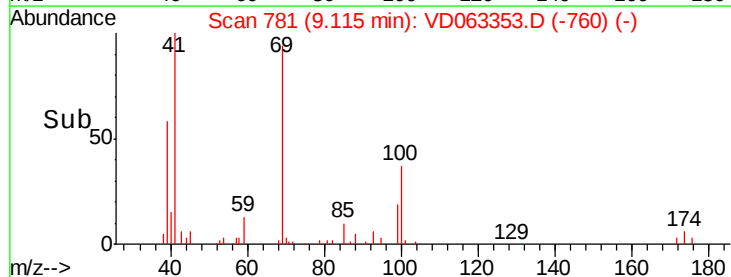
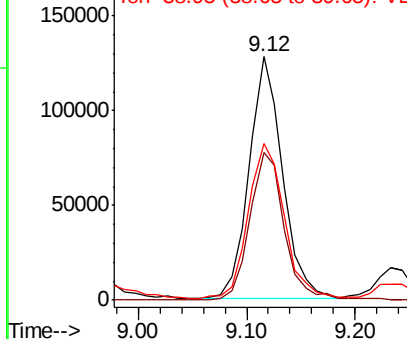
41 100

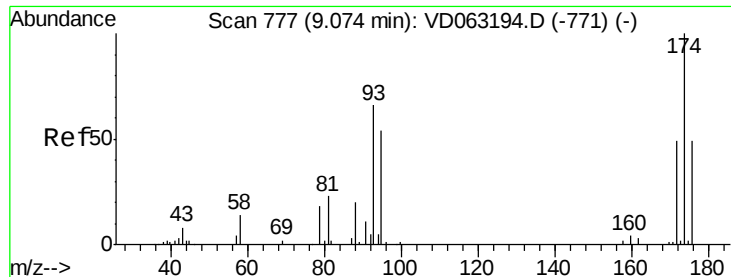
69 60.7 53.4 80.0

39 64.2 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

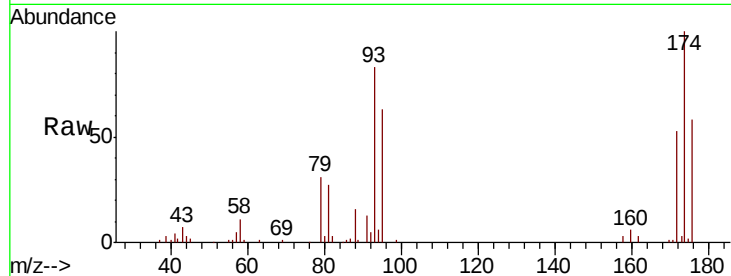




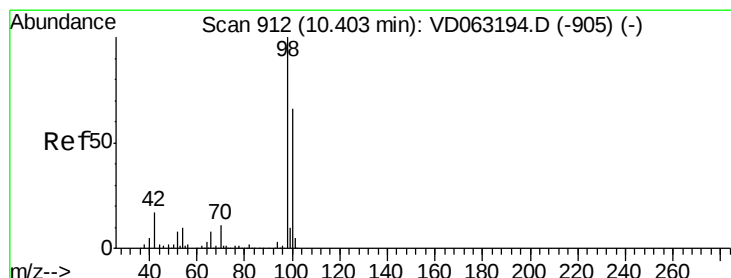
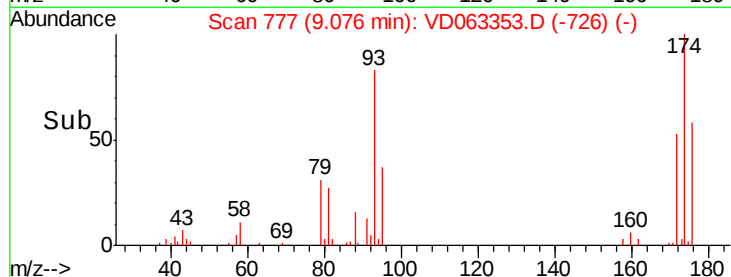
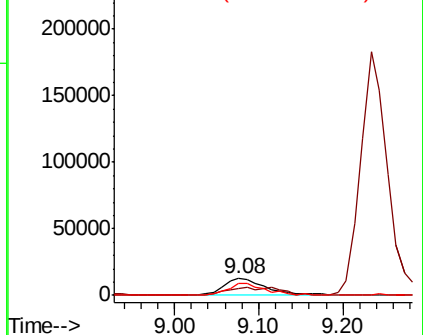
#49
1,4-Dioxane
Concen: 1016.495 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 43930
Ion Ratio Lower Upper
88 100
43 41.6 30.7 46.1
58 70.0 56.5 84.7

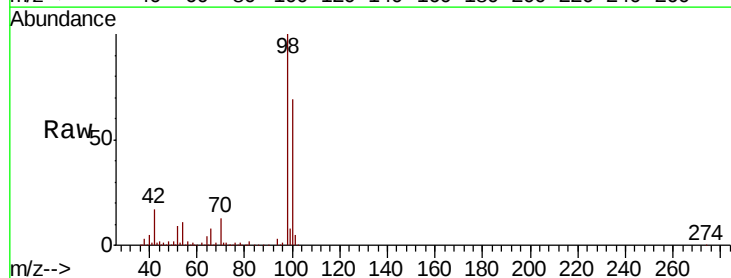


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

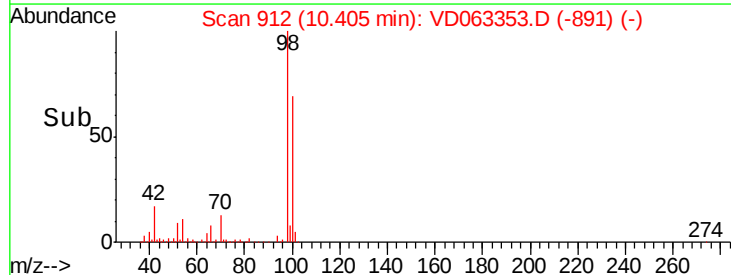
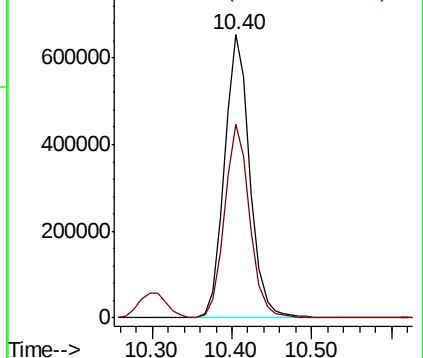


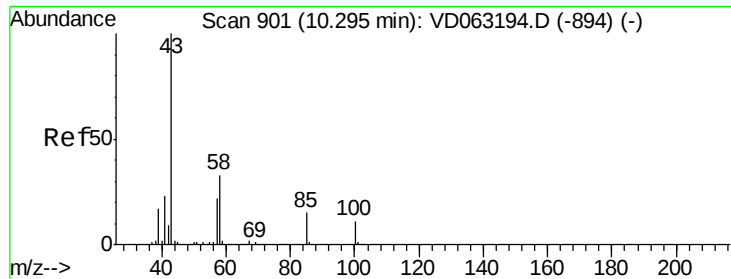
#50
Toluene-d8
Concen: 50.910 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 98 Resp: 1461116
Ion Ratio Lower Upper
98 100
100 68.6 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: 249.519 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

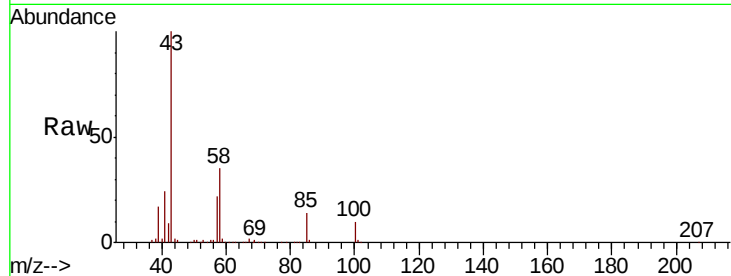
VSTDCCC050

Tgt Ion: 43 Resp: 1334931

Ion Ratio Lower Upper

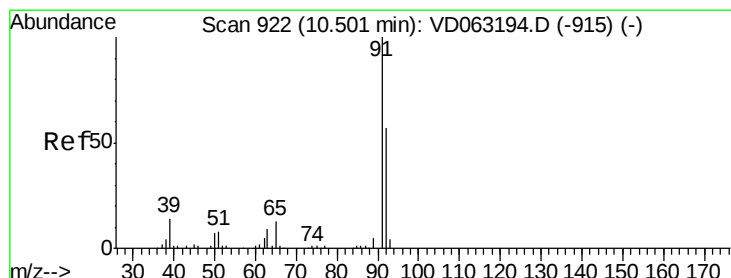
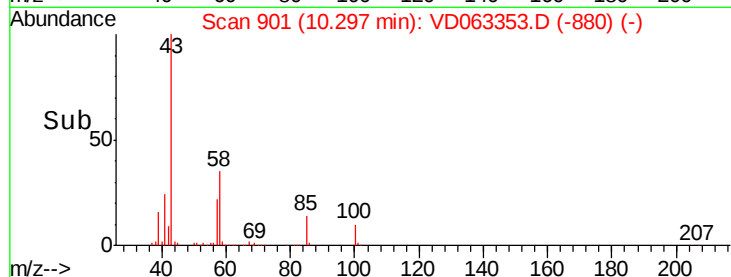
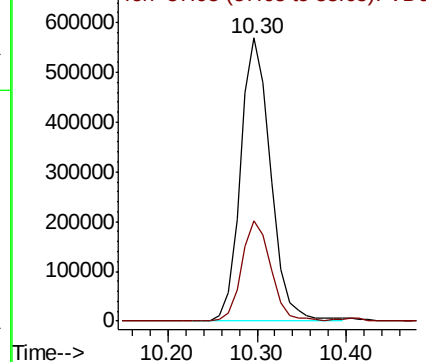
43 100

58 35.3 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.840 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063353.D

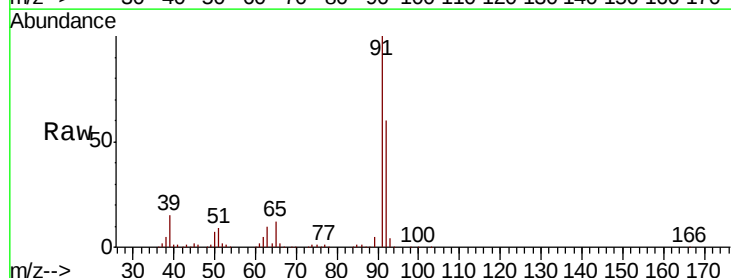
Acq: 3 Aug 2019 11:15

Tgt Ion: 92 Resp: 1047874

Ion Ratio Lower Upper

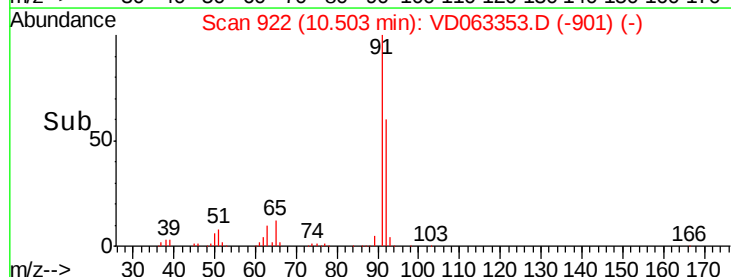
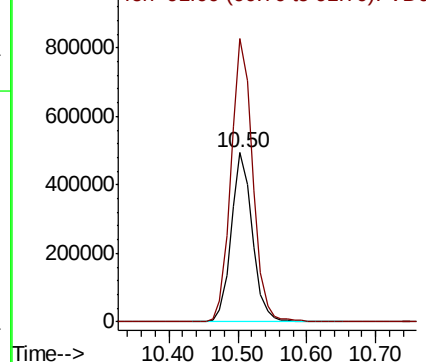
92 100

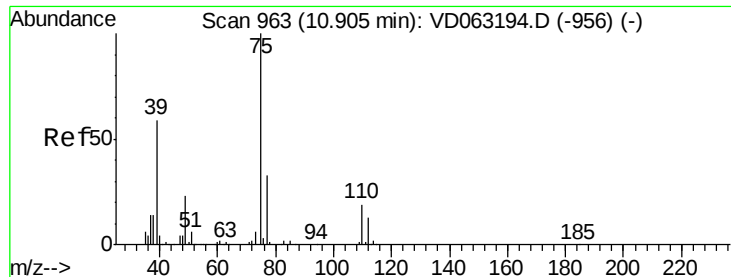
91 167.5 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 49.044 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

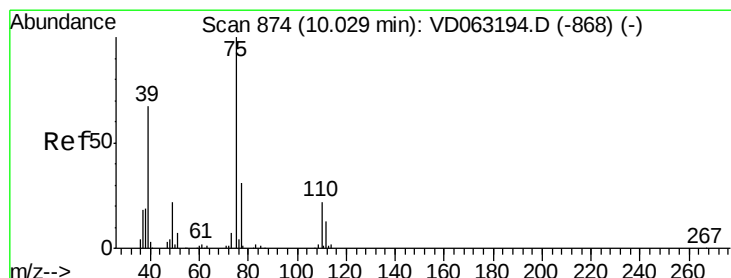
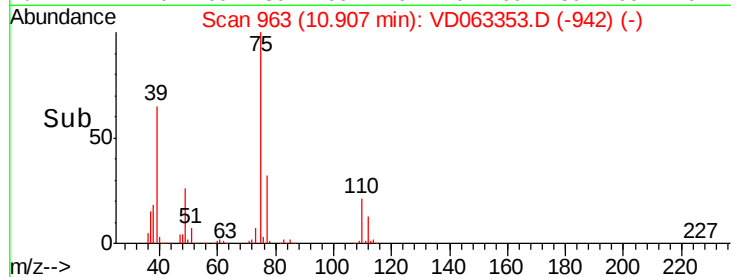
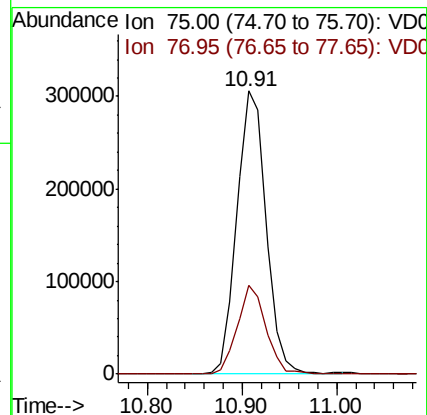
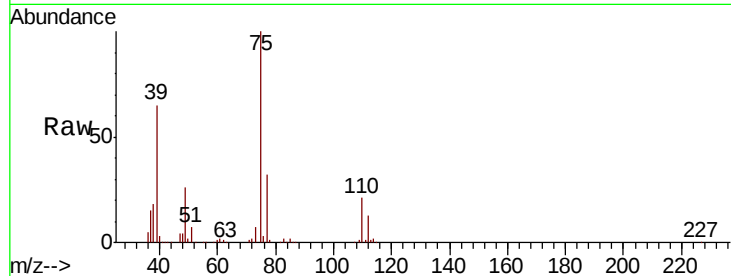
VSTDCCC050

Tgt Ion: 75 Resp: 654423

Ion Ratio Lower Upper

75 100

77 31.6 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 54.777 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

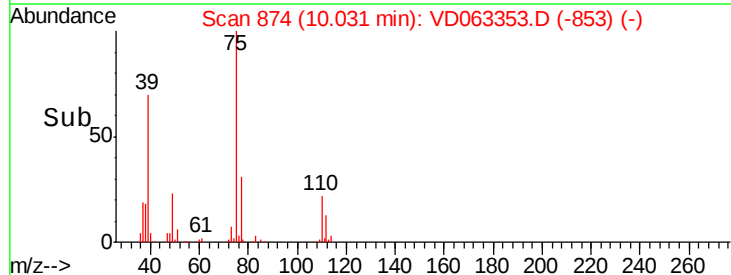
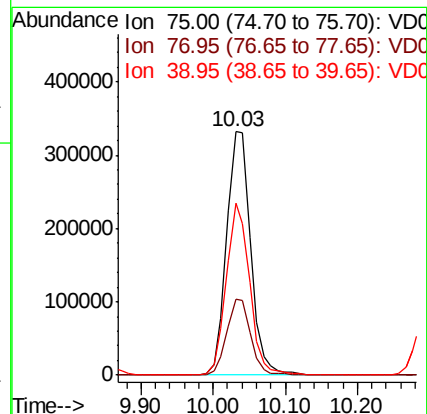
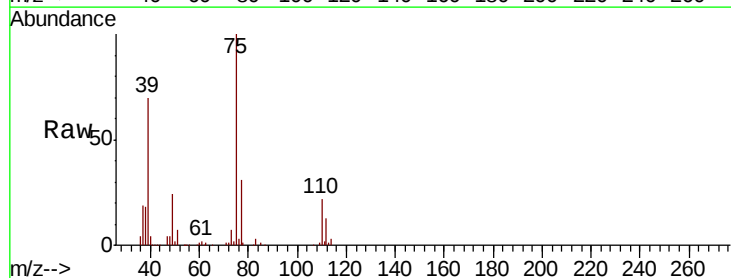
Tgt Ion: 75 Resp: 768184

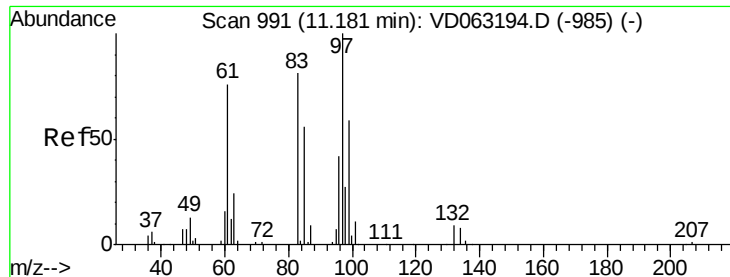
Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

39 70.4 53.9 80.9

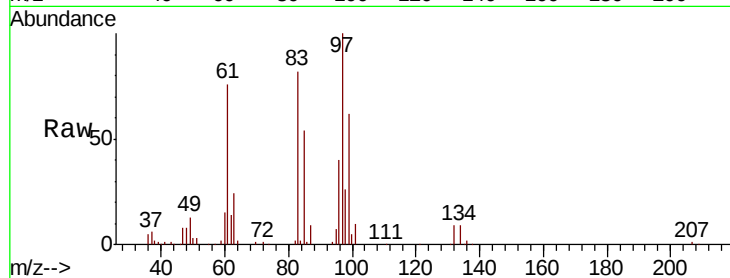




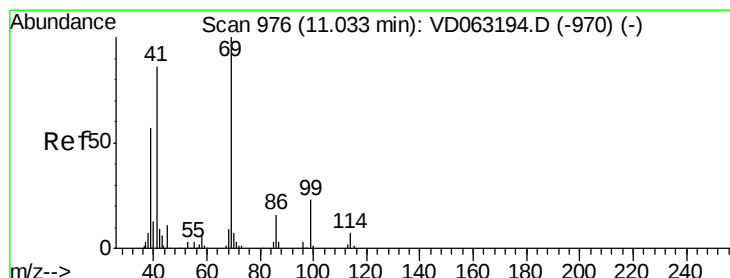
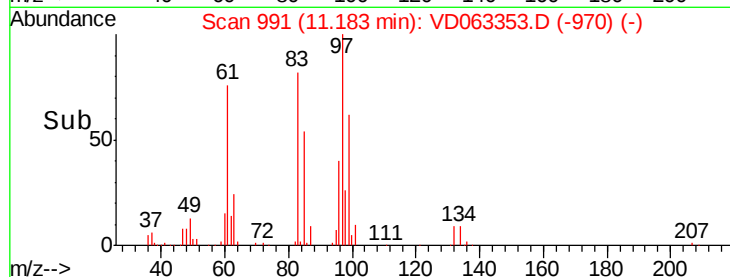
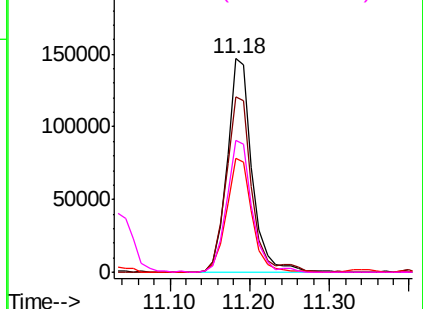
#55
 1,1,2-Trichloroethane
 Concen: 49.696 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	320706
Ion	Ratio	Lower	Upper
97	100		
83	82.0	64.8	97.2
85	53.6	44.9	67.3
99	62.0	47.2	70.8

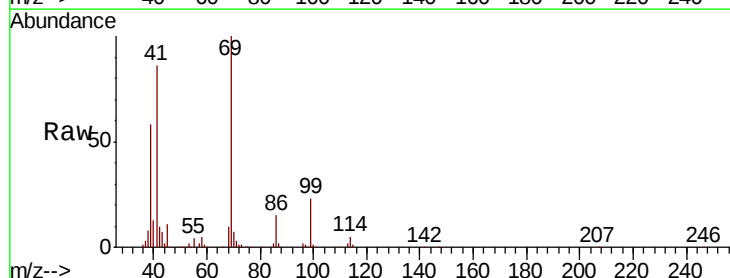


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

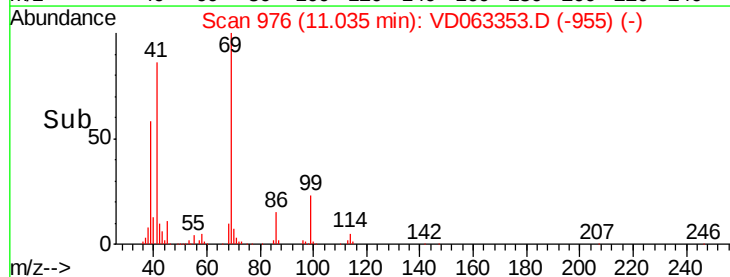
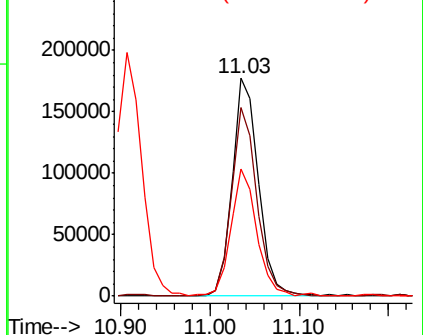


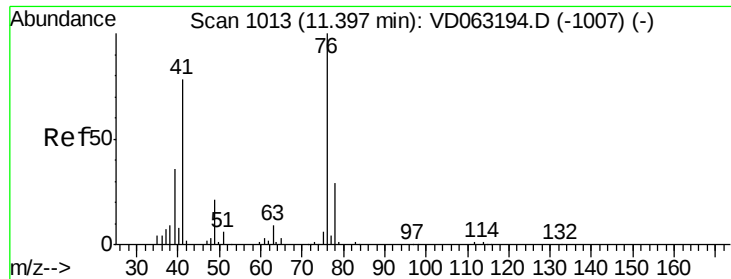
#56
 Ethyl methacrylate
 Concen: 51.714 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion:	69	Resp:	365443
Ion	Ratio	Lower	Upper
69	100		
41	86.4	68.8	103.2
39	58.2	45.8	68.8



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





#57

1,3-Dichloropropane

Concen: 48.473 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

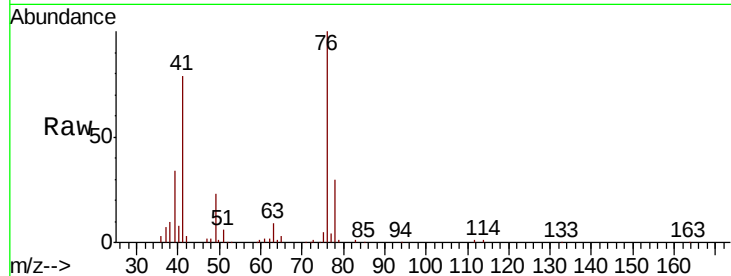
VSTDCCC050

Tgt Ion: 76 Resp: 492868

Ion Ratio Lower Upper

76 100

78 29.7 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

250000

200000

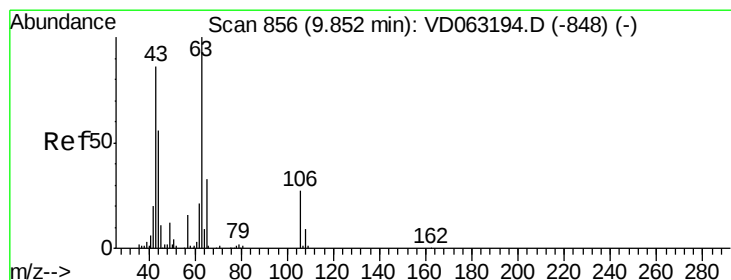
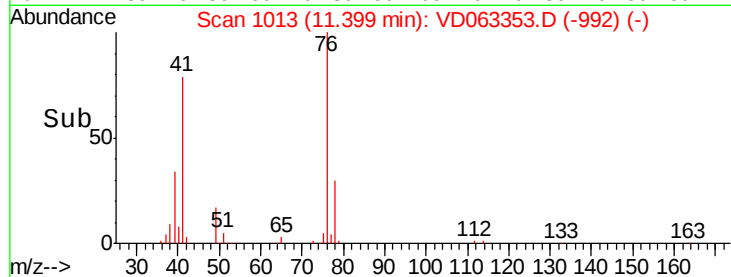
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 241.196 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063353.D

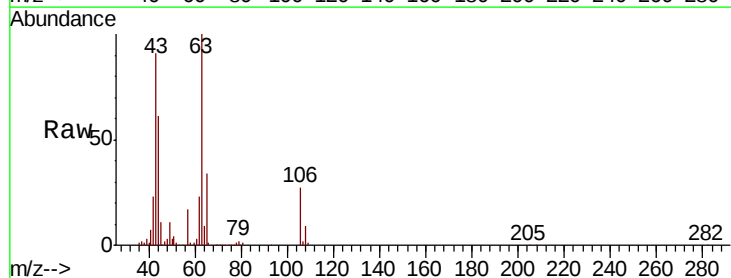
Acq: 3 Aug 2019 11:15

Tgt Ion: 63 Resp: 886885

Ion Ratio Lower Upper

63 100

106 27.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

400000

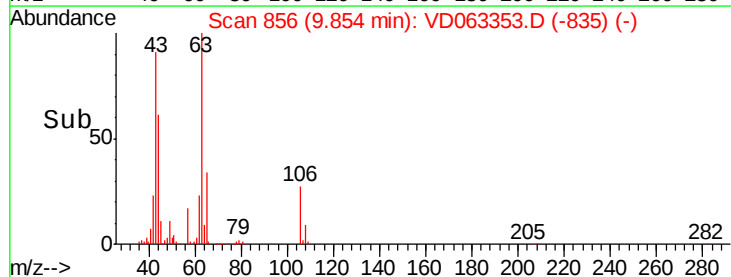
300000

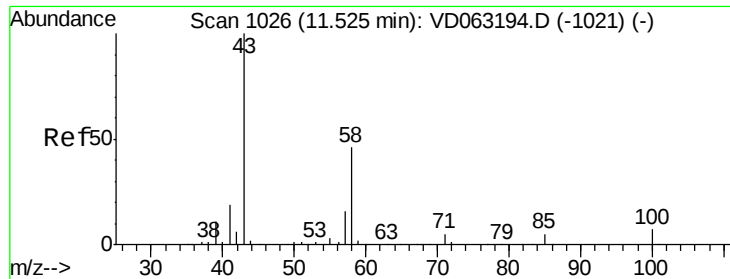
200000

100000

0

Time-->





#59

2-Hexanone

Concen: 288.333 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

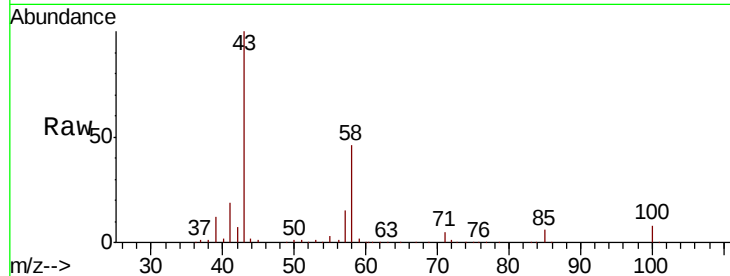
VSTDCCC050

Tgt Ion: 43 Resp: 1111652

Ion Ratio Lower Upper

43 100

58 46.5 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VD063194.D (-1021) (-)

Ion 57.95 (57.65 to 58.65): VD063194.D (-1021) (-)

11.53

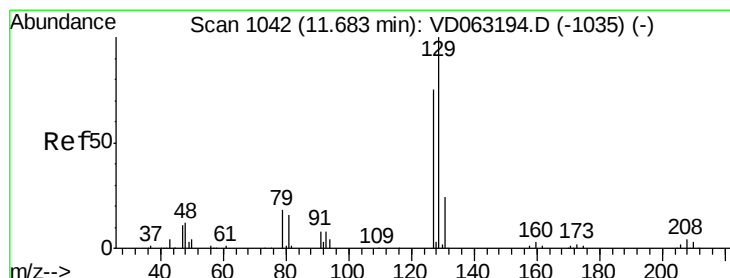
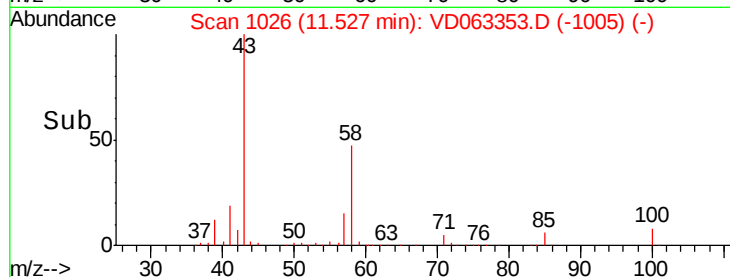
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 51.586 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VD063353.D

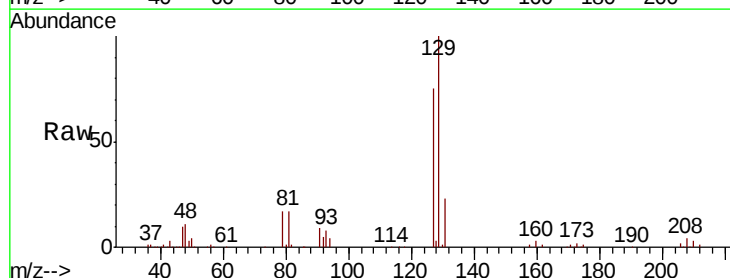
Acq: 3 Aug 2019 11:15

Tgt Ion: 129 Resp: 628460

Ion Ratio Lower Upper

129 100

127 74.6 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): VD063194.D (-1035) (-)

Ion 126.80 (126.50 to 127.50): VD063194.D (-1035) (-)

11.68

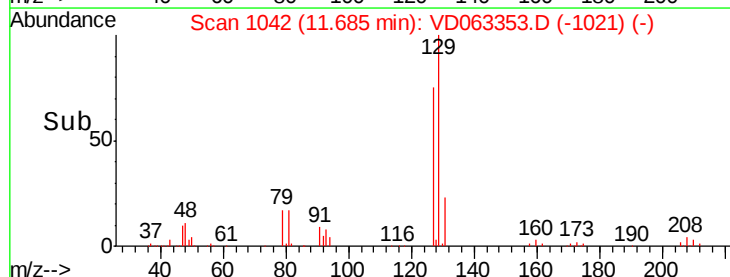
300000

200000

100000

0

Time-->

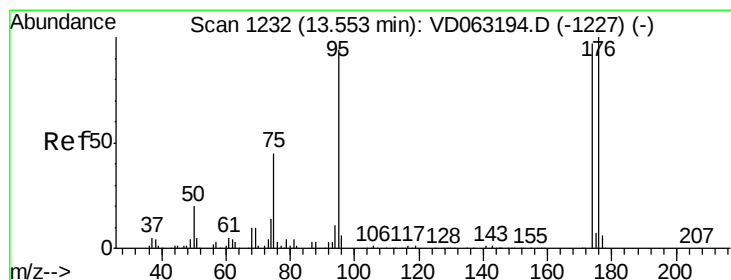
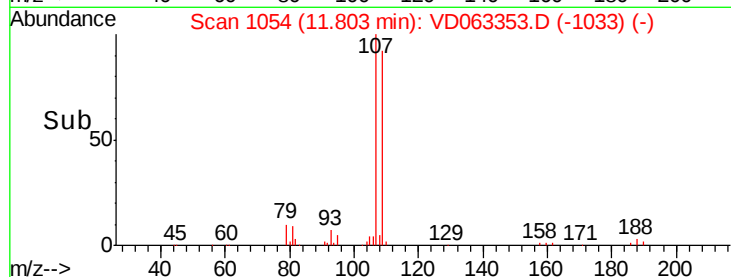
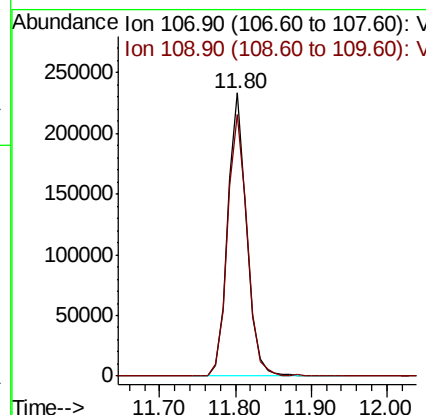
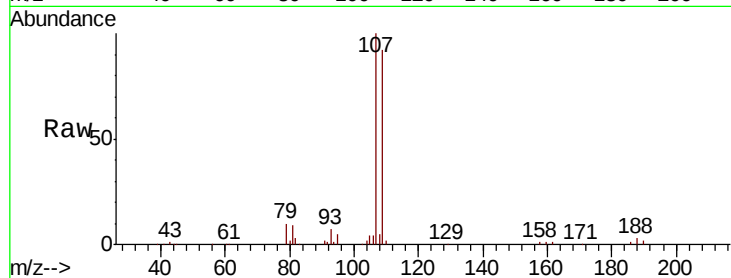




#61
 1,2-Dibromoethane
 Concen: 50.562 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

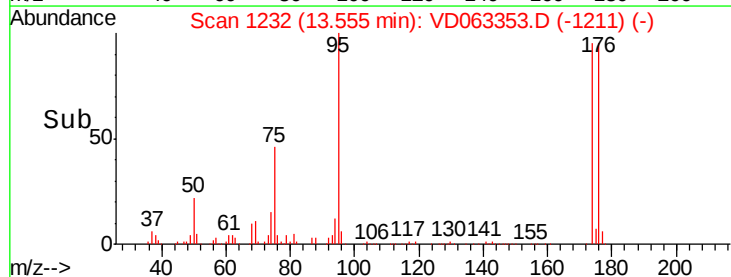
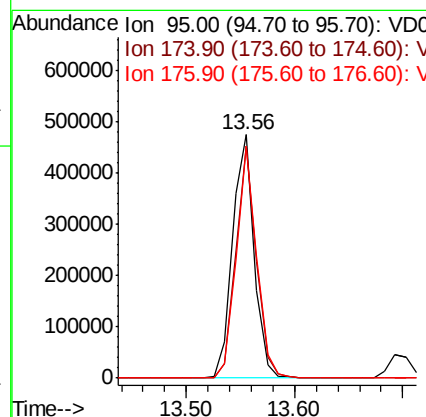
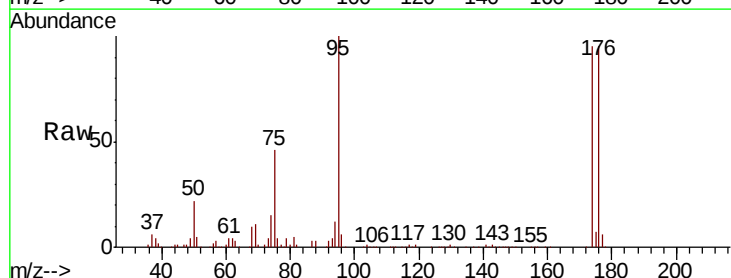
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

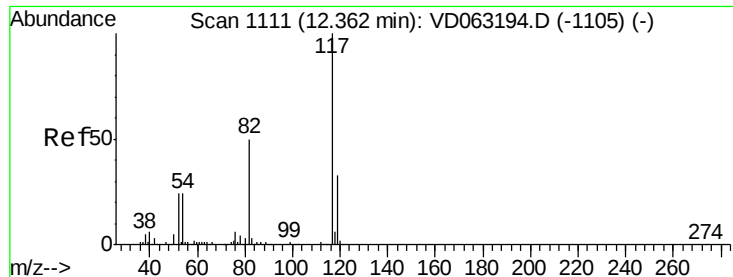
Tgt Ion: 107 Resp: 402626
 Ion Ratio Lower Upper
 107 100
 109 92.5 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 50.368 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion: 95 Resp: 658736
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 205.4
 176 95.1 0.0 211.8

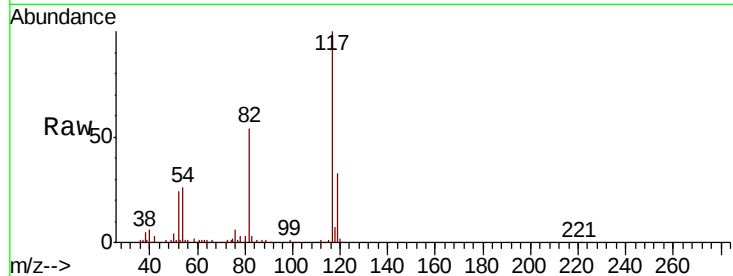




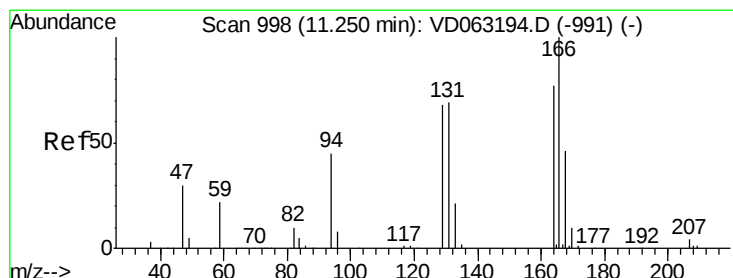
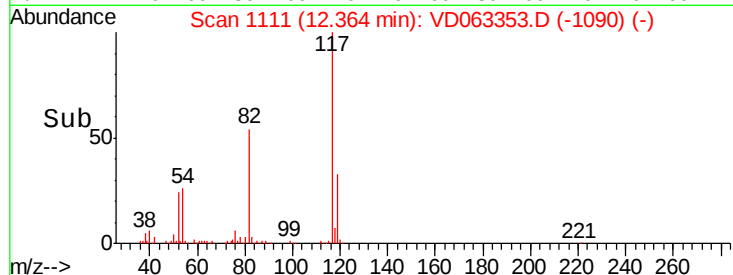
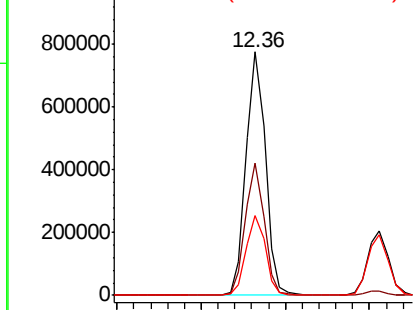
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1260873
Ion Ratio Lower Upper
117 100
82 54.4 40.1 60.1
119 32.9 26.5 39.7

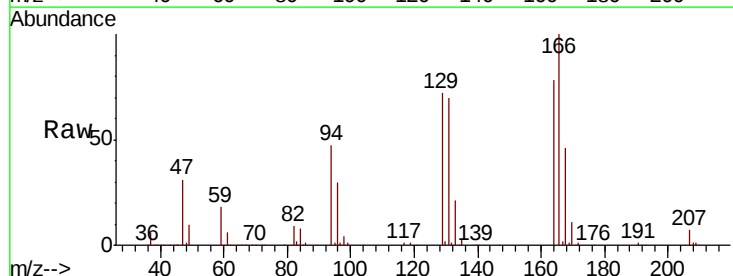


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

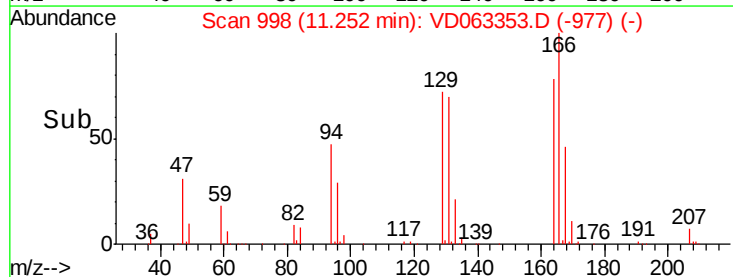
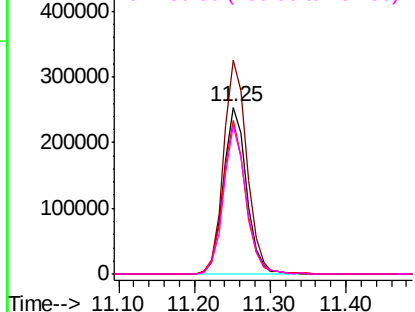


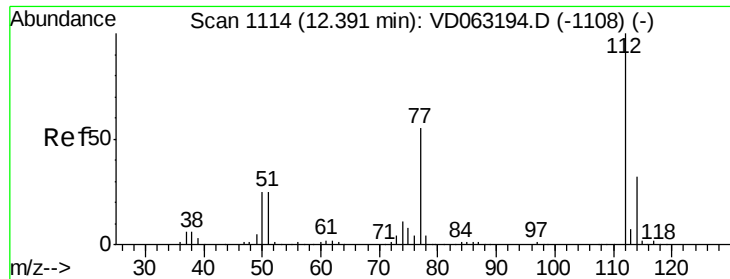
#64
Tetrachloroethene
Concen: 53.529 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion:164 Resp: 537692
Ion Ratio Lower Upper
164 100
166 128.2 104.3 156.5
129 92.0 70.9 106.3
131 89.4 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

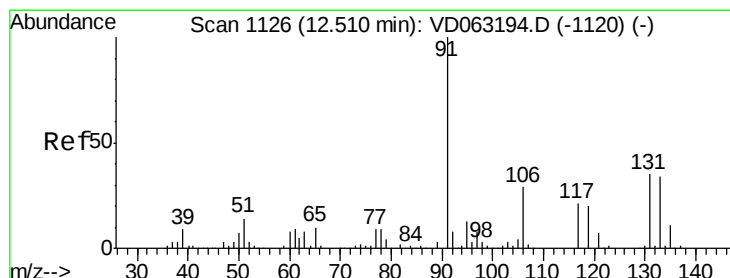
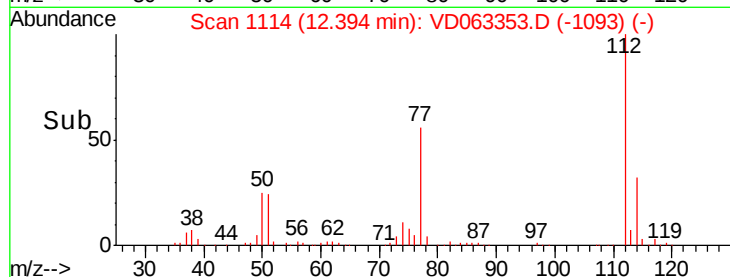
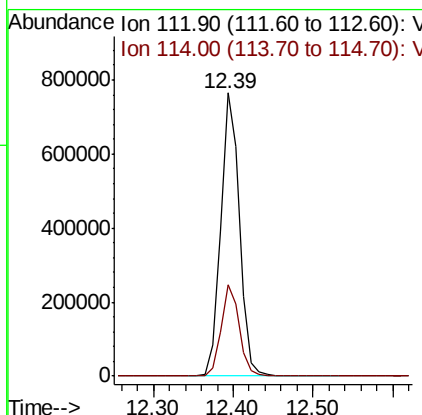
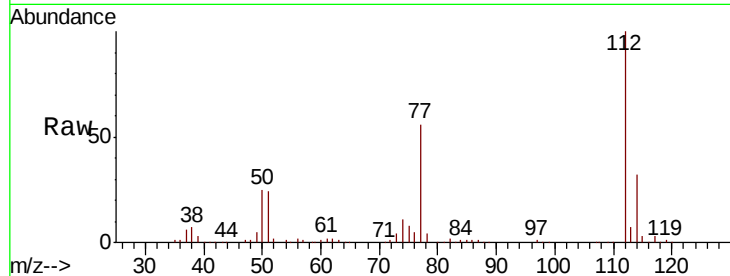




#65
Chlorobenzene
Concen: 52.283 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

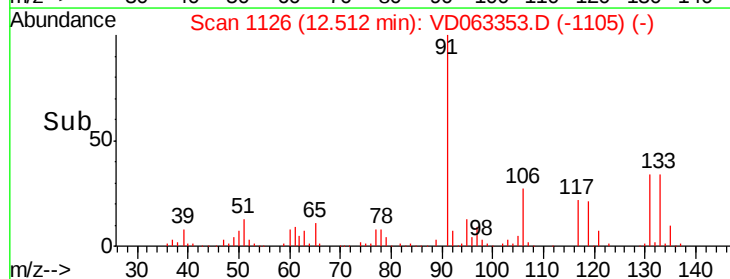
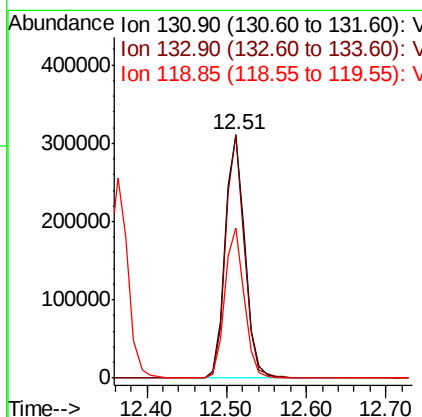
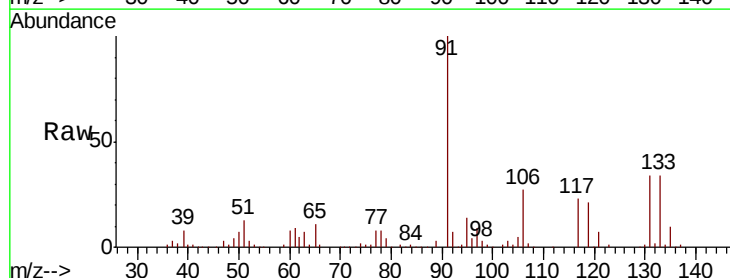
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

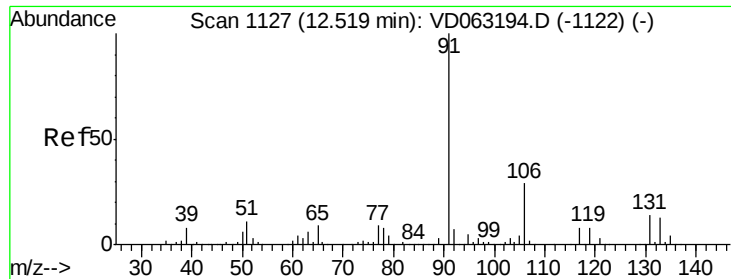
Tgt Ion:112 Resp: 1267989
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.845 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion:131 Resp: 543174
Ion Ratio Lower Upper
131 100
133 100.2 48.4 145.2
119 62.0 29.1 87.3

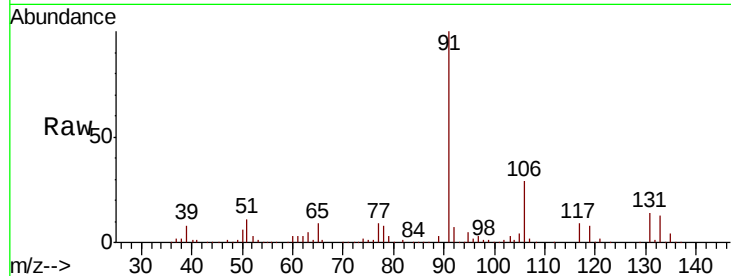




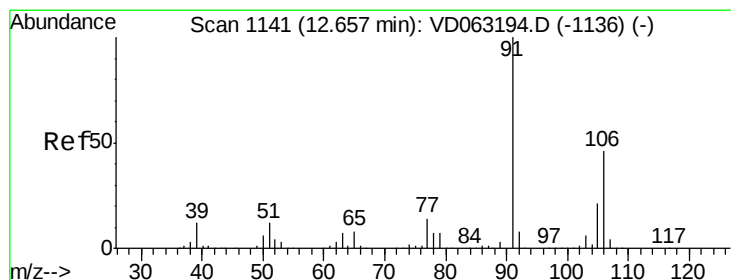
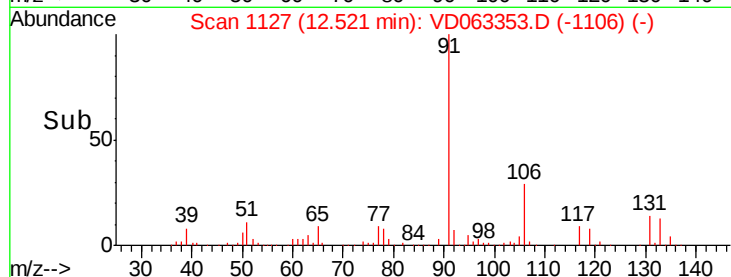
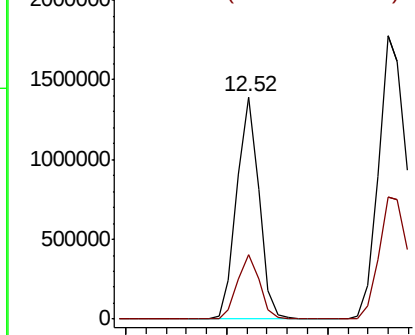
#67
Ethyl Benzene
Concen: 51.905 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2138427
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3

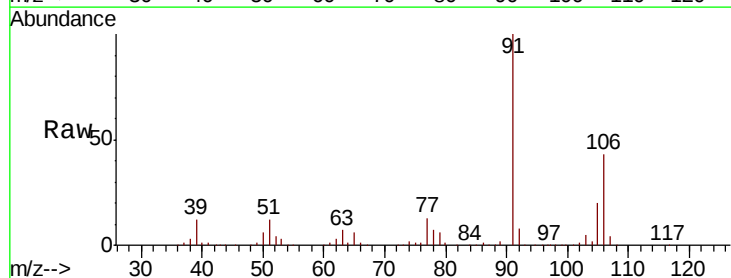


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

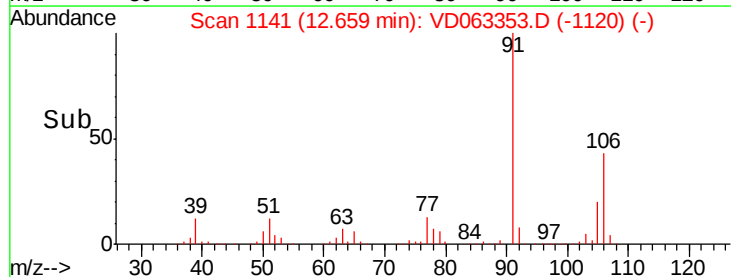
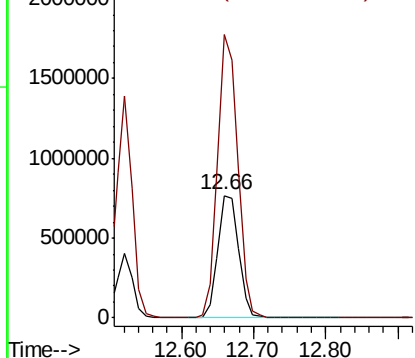


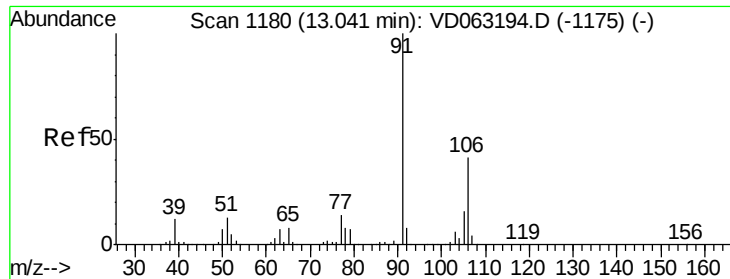
#68
m/p-Xylenes
Concen: 100.889 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 106 Resp: 1524330
Ion Ratio Lower Upper
106 100
91 231.1 172.6 259.0



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

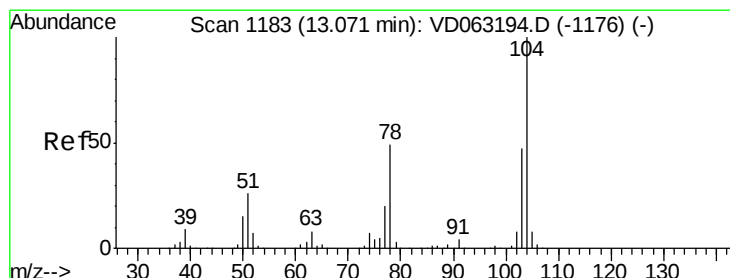
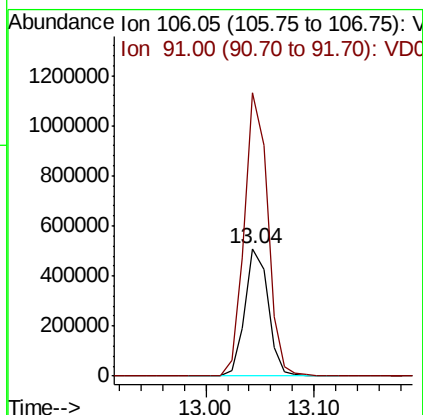
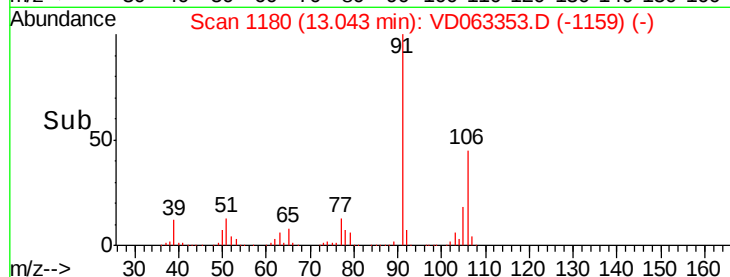
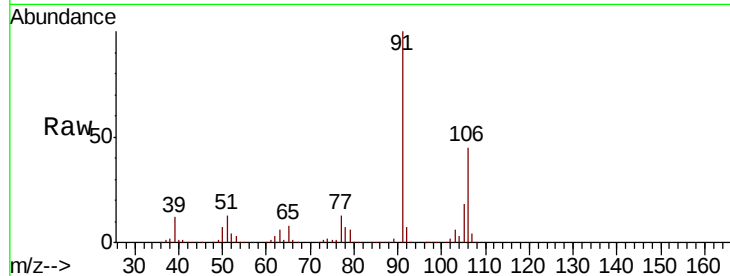




#69
o-Xylene
Concen: 55.047 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

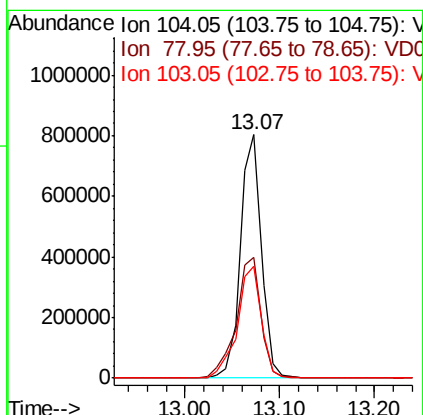
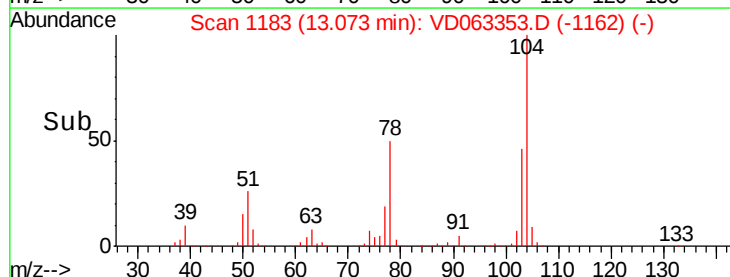
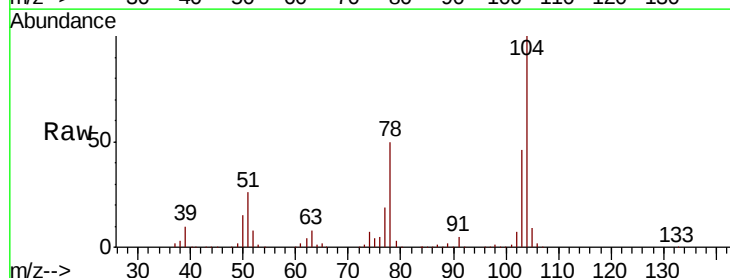
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

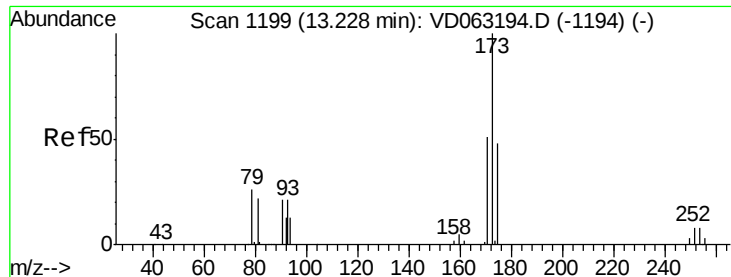
Tgt Ion:106 Resp: 763754
Ion Ratio Lower Upper
106 100
91 222.5 121.3 363.9



#70
Styrene
Concen: 49.946 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion:104 Resp: 1228955
Ion Ratio Lower Upper
104 100
78 49.7 39.4 59.0
103 46.1 37.4 56.2





#71

Bromoform

Concen: 49.056 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

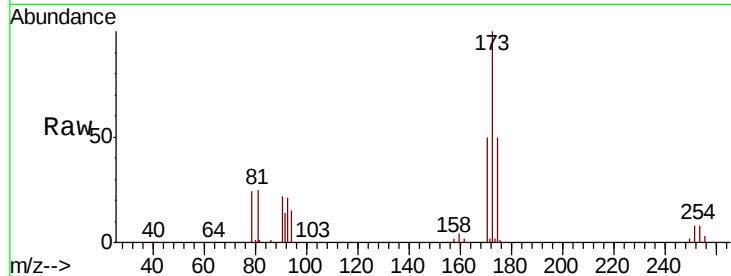
Tgt Ion:173 Resp: 381102

Ion Ratio Lower Upper

173 100

175 50.0 23.8 71.5

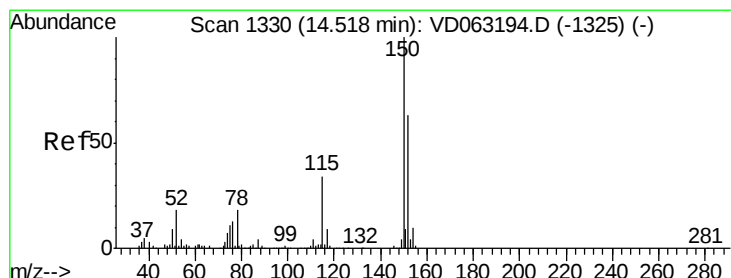
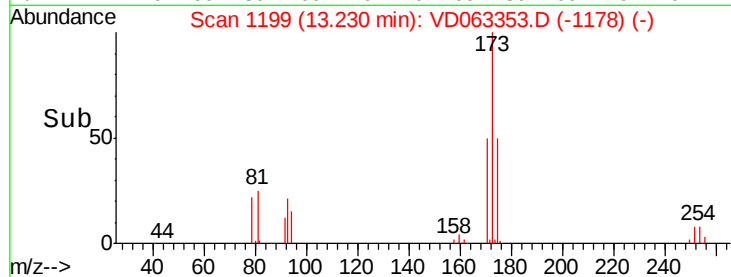
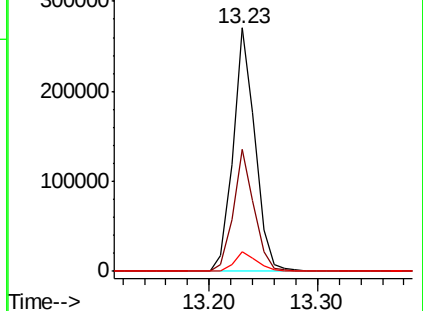
254 7.8 6.6 10.0



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

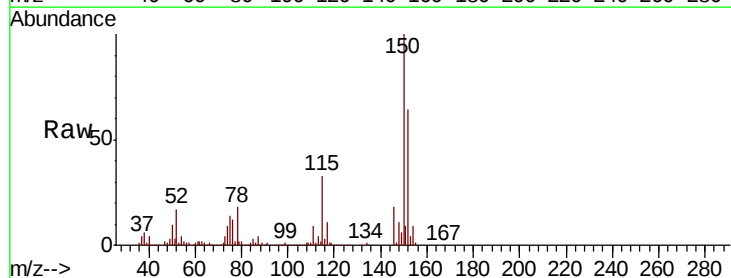
Tgt Ion:152 Resp: 668340

Ion Ratio Lower Upper

152 100

115 51.1 27.5 82.4

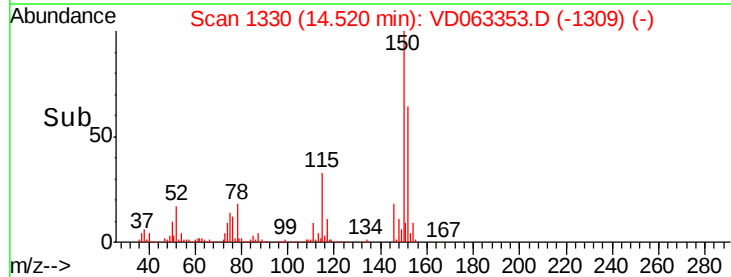
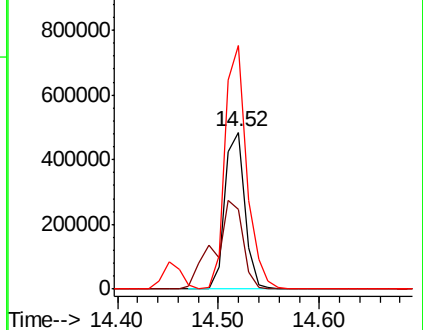
150 155.1 0.0 320.6

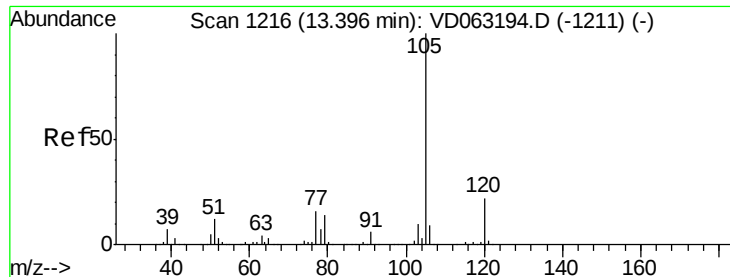


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.690 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

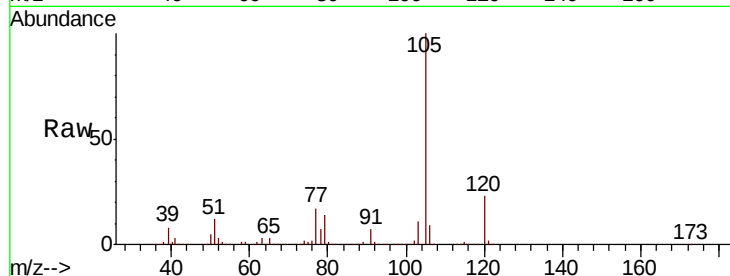
VSTDCCC050

Tgt Ion:105 Resp: 2042399

Ion Ratio Lower Upper

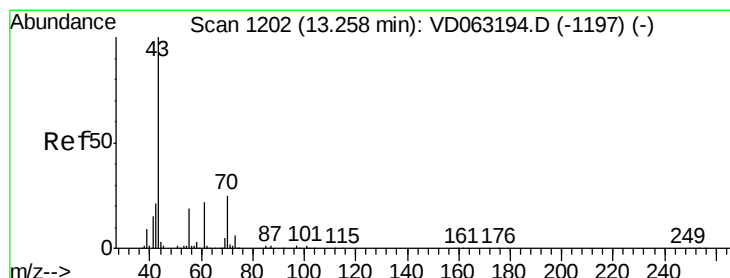
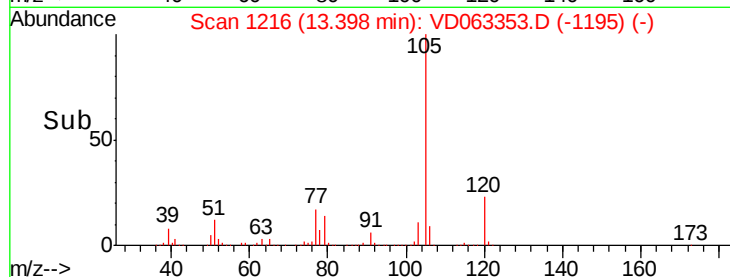
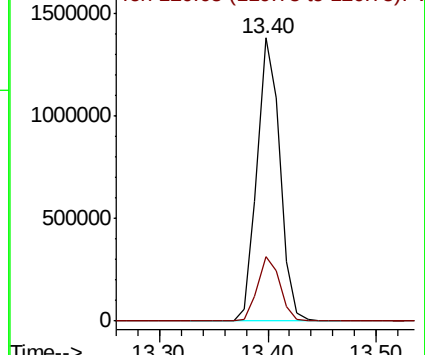
105 100

120 22.8 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.272 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Tgt Ion: 43 Resp: 568565

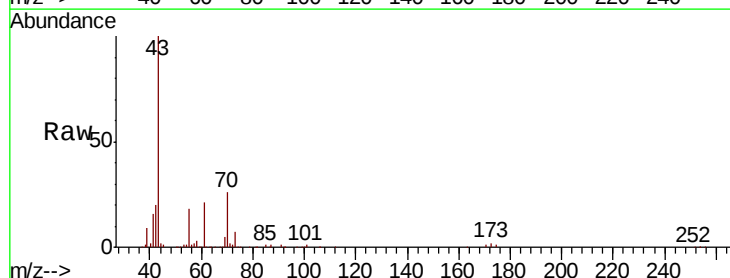
Ion Ratio Lower Upper

43 100

70 26.4 20.2 30.4

55 17.8 14.9 22.3

61 21.2 17.9 26.9

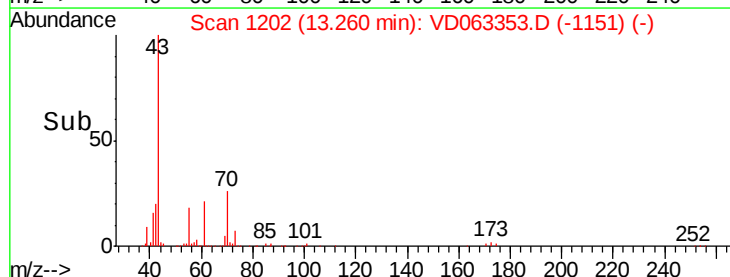
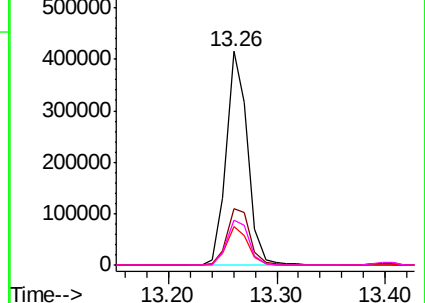


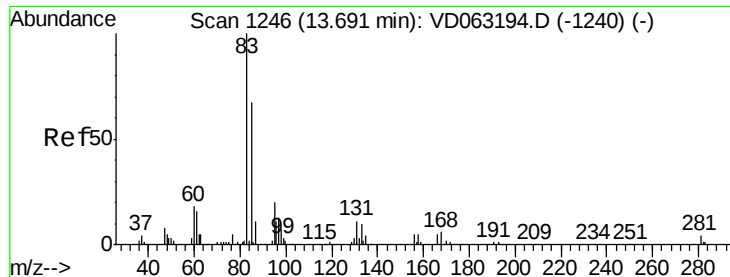
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.302 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

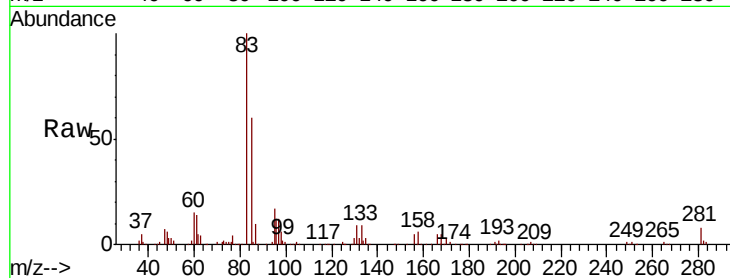
Tgt Ion: 83 Resp: 386919

Ion Ratio Lower Upper

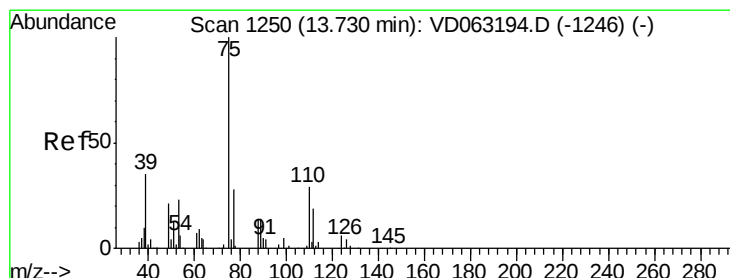
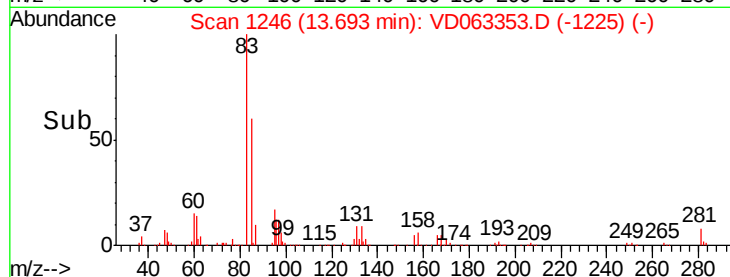
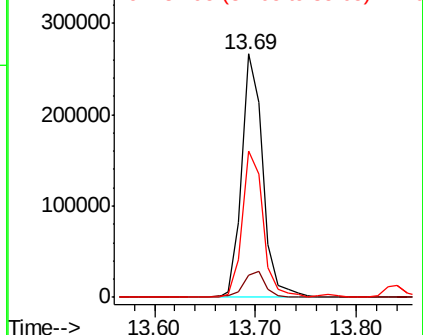
83 100

131 9.2 5.5 16.7

85 60.2 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 52.320 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063353.D

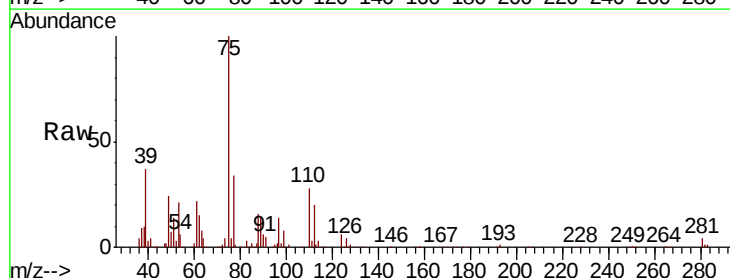
Acq: 3 Aug 2019 11:15

Tgt Ion: 75 Resp: 420009

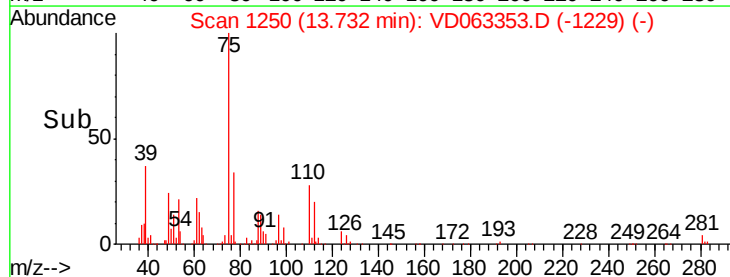
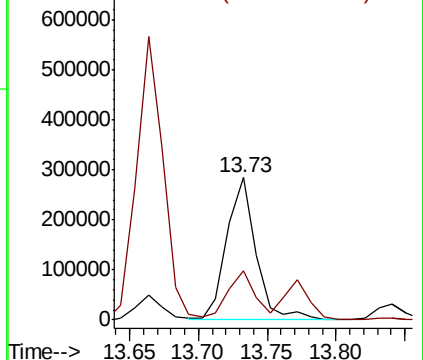
Ion Ratio Lower Upper

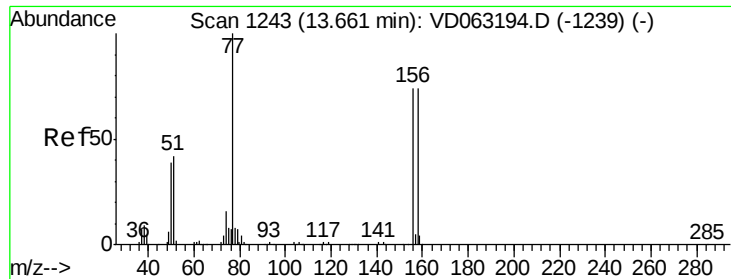
75 100

77 34.2 16.0 48.0



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

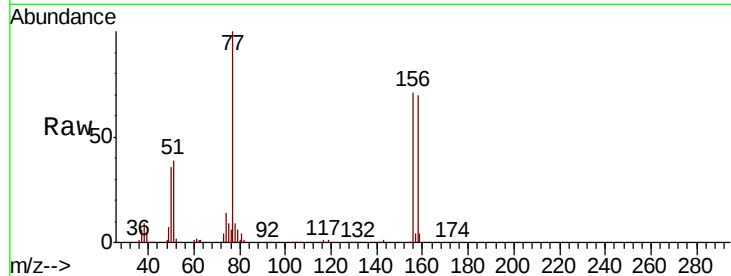




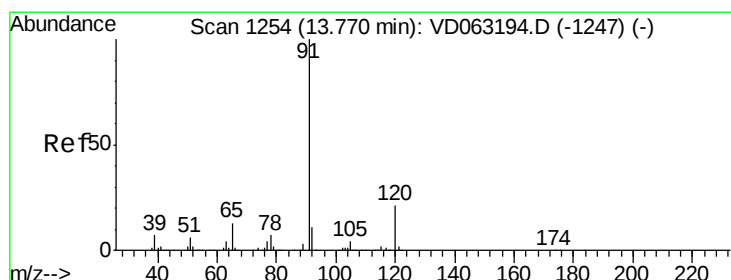
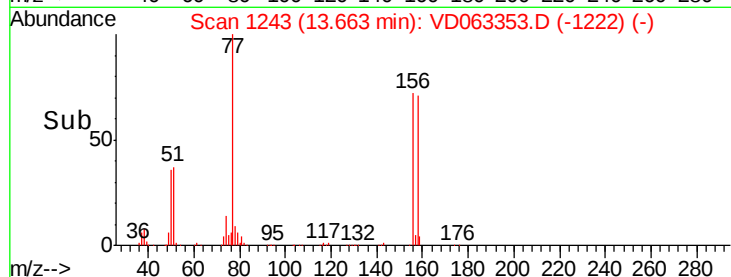
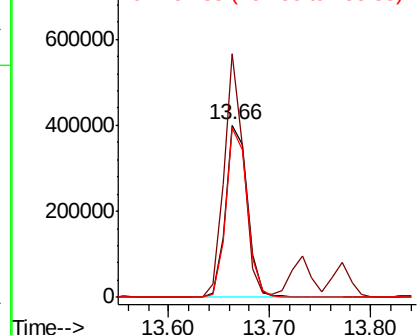
#77
Bromobenzene
Concen: 50.595 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 604585
Ion Ratio Lower Upper
156 100
77 141.5 67.6 202.8
158 98.7 49.8 149.4

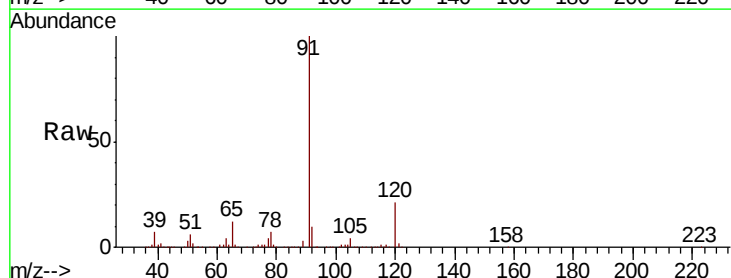


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

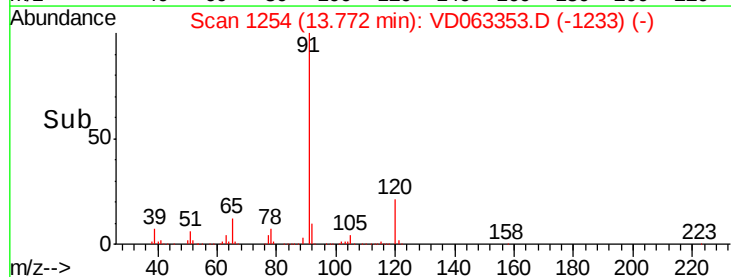
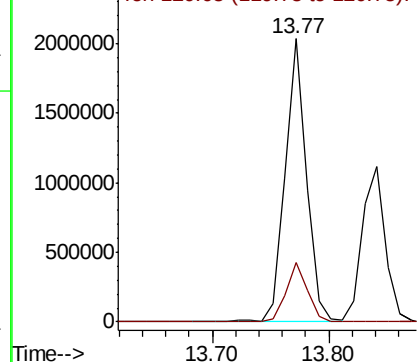


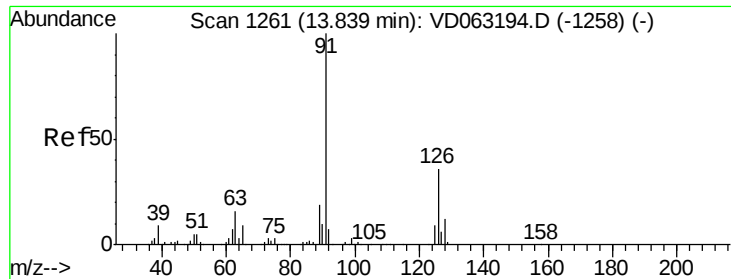
#78
n-propylbenzene
Concen: 51.644 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 91 Resp: 2577989
Ion Ratio Lower Upper
91 100
120 20.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

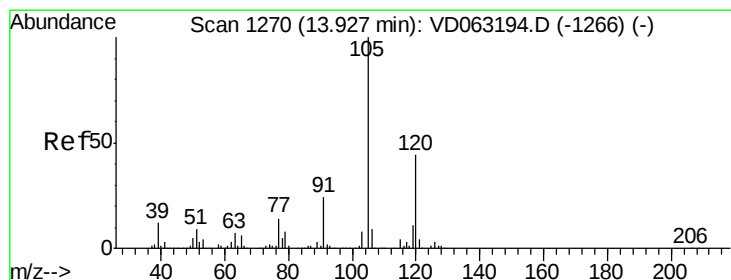
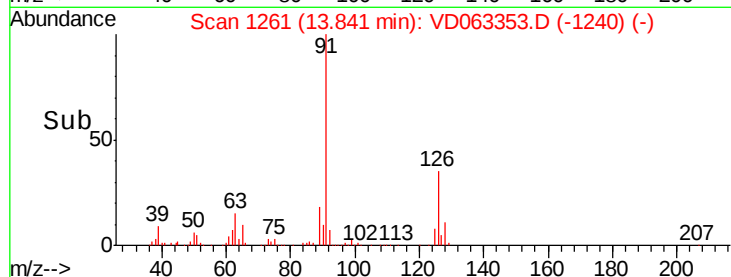
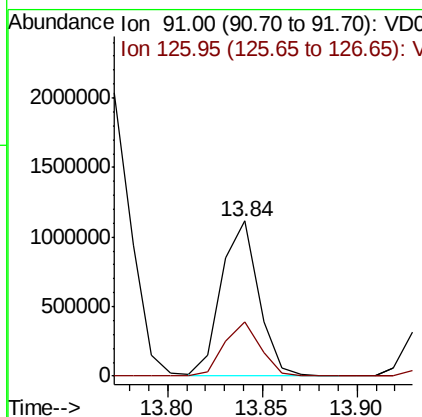
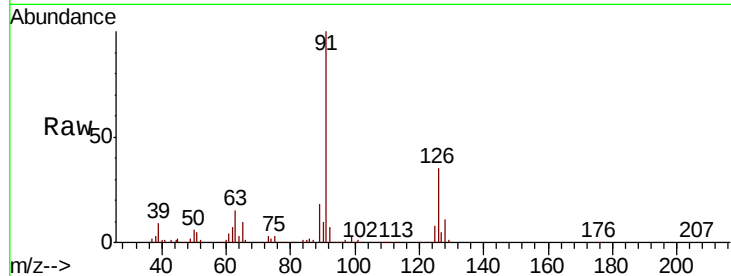




#79
 2-Chlorotoluene
 Concen: 52.603 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

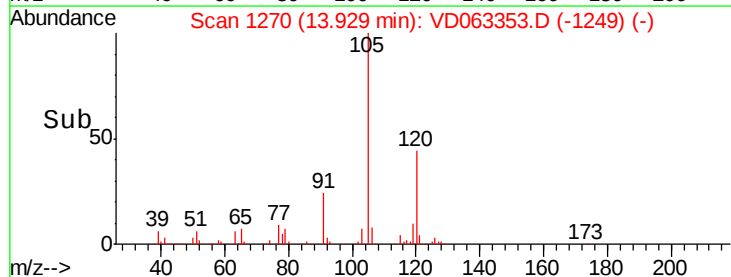
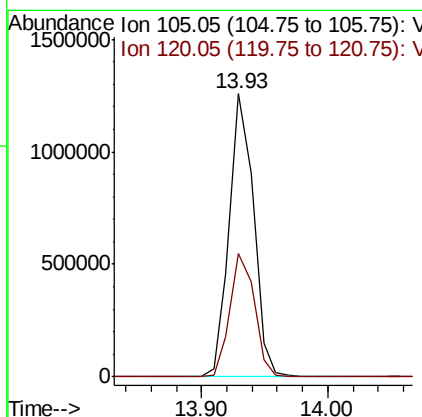
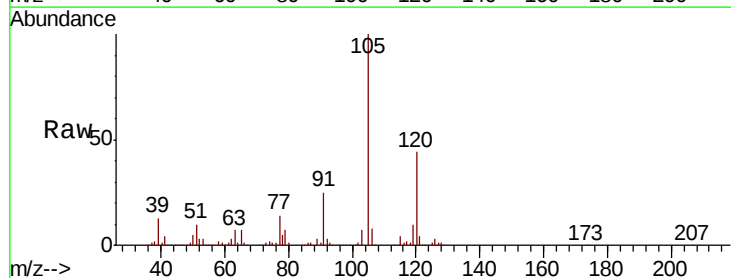
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

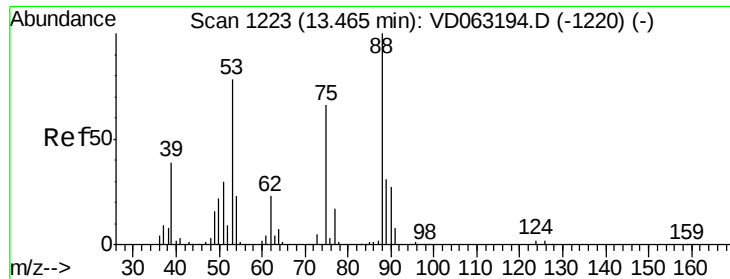
Tgt Ion: 91 Resp: 1521501
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 46.386 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion: 105 Resp: 1678214
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.1

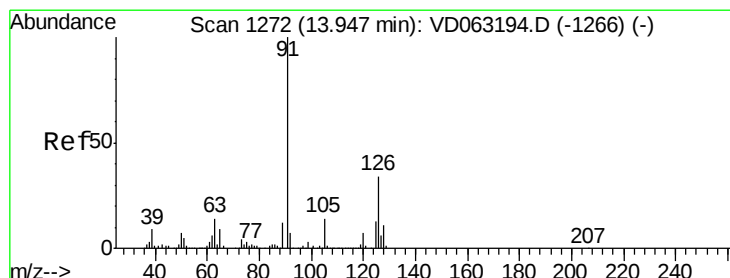
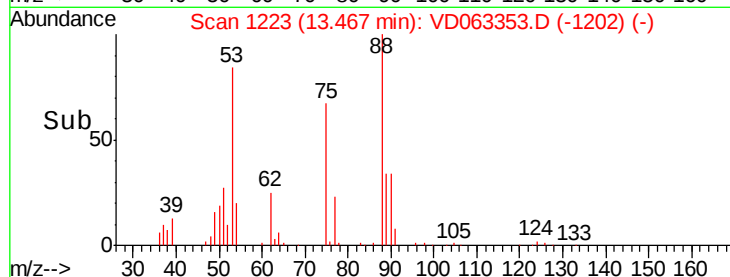
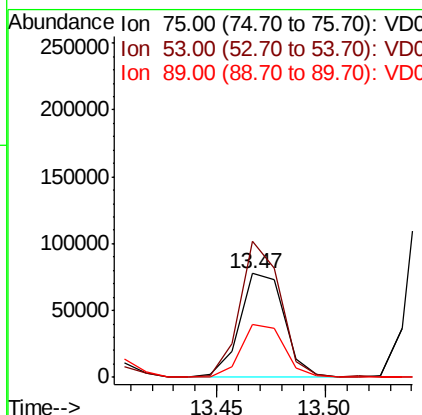
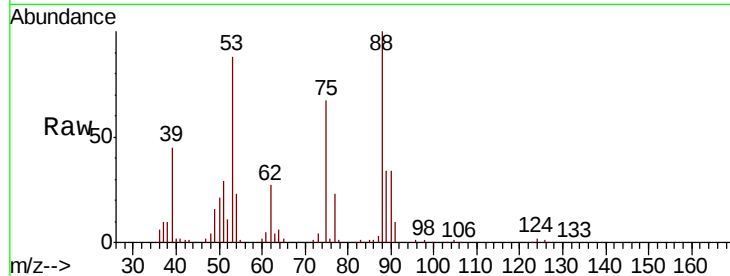




#81
trans-1,4-Dichloro-2-butene
Concen: 49.696 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

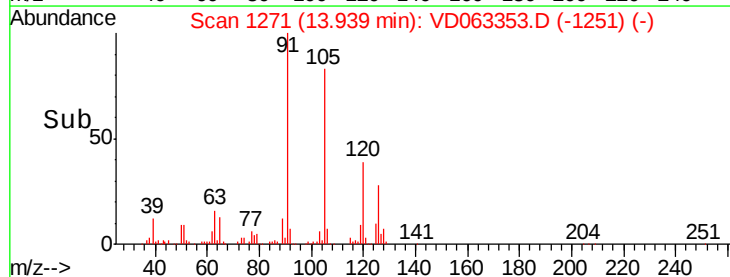
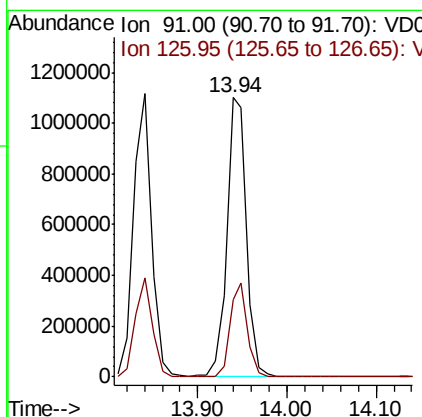
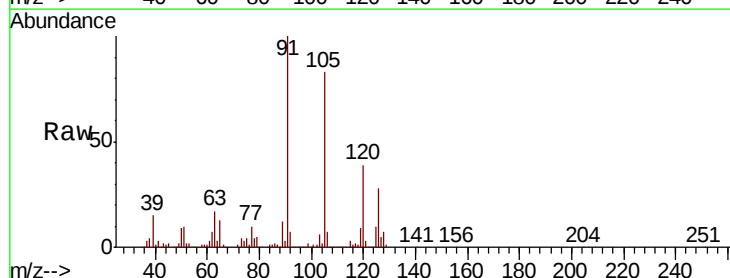
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 110778
Ion Ratio Lower Upper
75 100
53 130.6 94.9 142.3
89 50.5 37.4 56.0



#82
4-Chlorotoluene
Concen: 50.016 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 91 Resp: 1702535
Ion Ratio Lower Upper
91 100
126 27.6 17.1 51.2

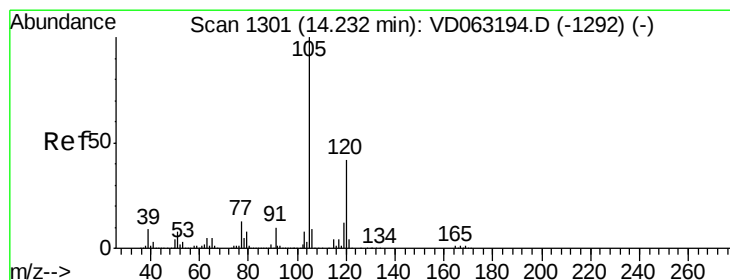
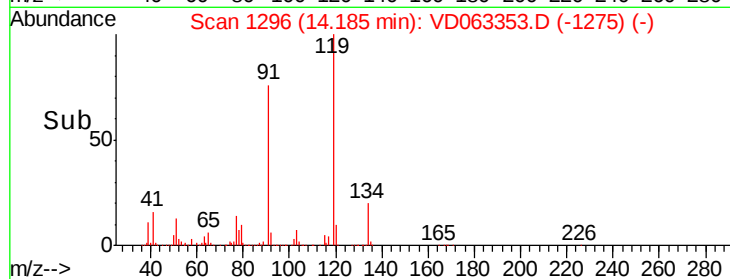
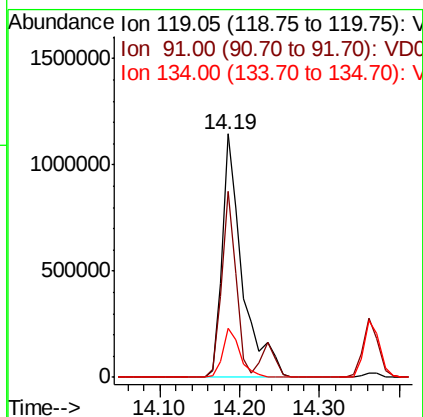
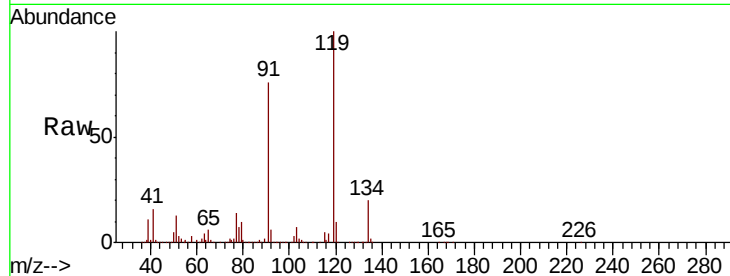




#83
 tert-Butylbenzene
 Concen: 49.545 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

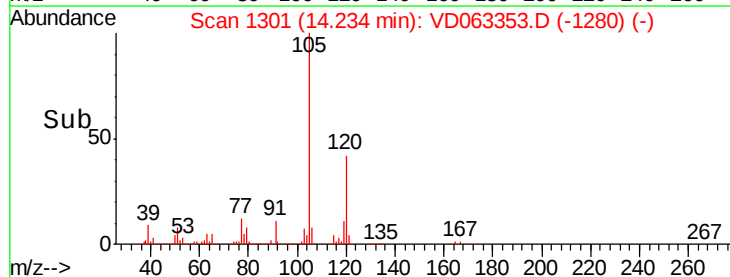
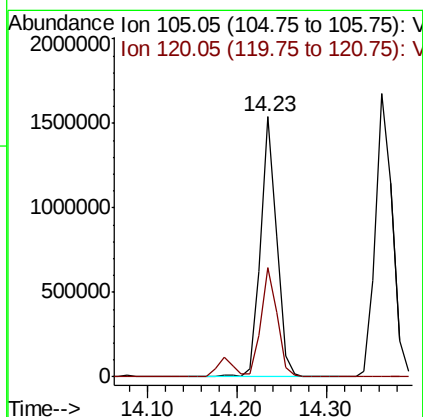
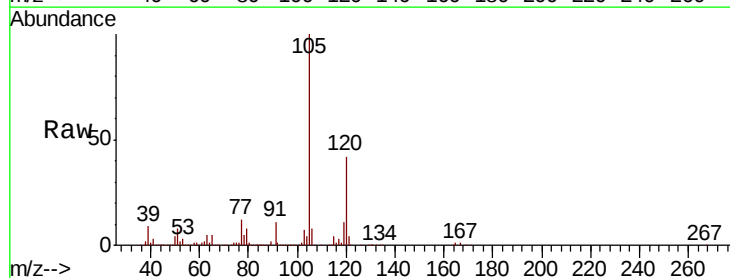
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

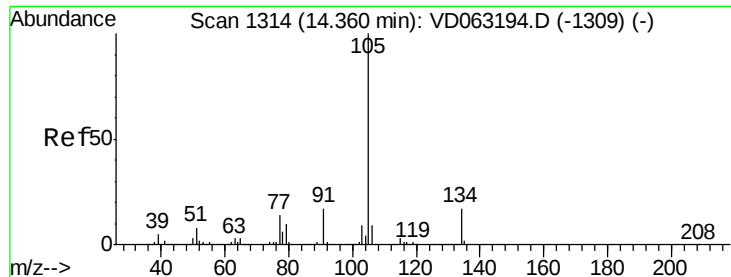
Tgt Ion:119 Resp: 2046690
 Ion Ratio Lower Upper
 119 100
 91 76.5 39.1 117.5
 134 20.1 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.734 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion:105 Resp: 1898533
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.9 62.7





#85

sec-Butylbenzene

Concen: 50.134 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

Instrument :

MSVOA_D

ClientSampleId :

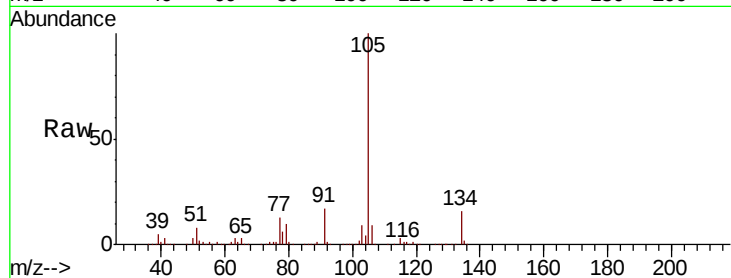
VSTDCCC050

Tgt Ion:105 Resp: 2182014

Ion Ratio Lower Upper

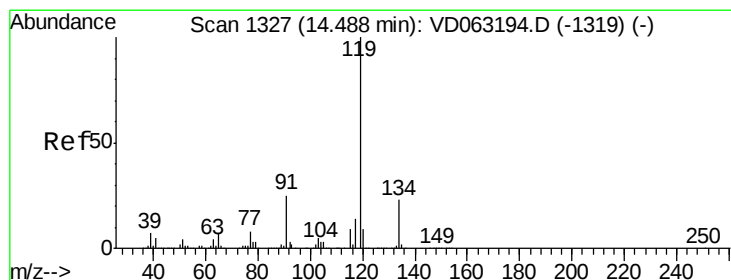
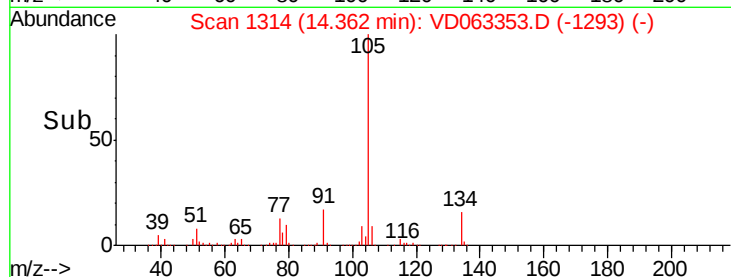
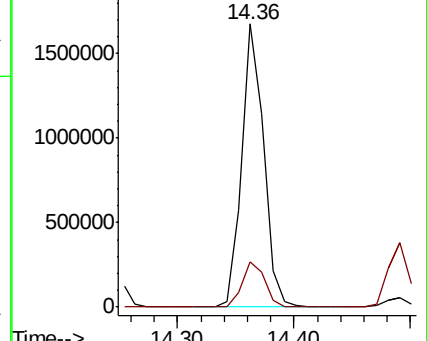
105 100

134 15.9 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.161 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063353.D

Acq: 3 Aug 2019 11:15

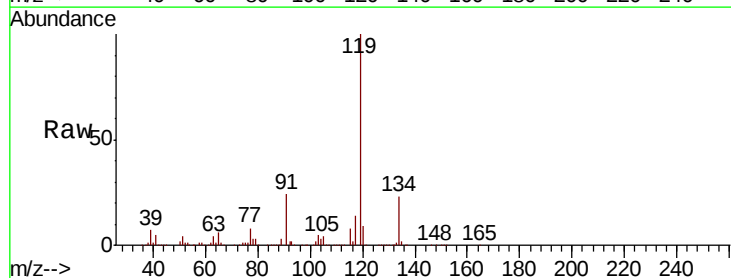
Tgt Ion:119 Resp: 2042200

Ion Ratio Lower Upper

119 100

134 22.5 11.5 34.5

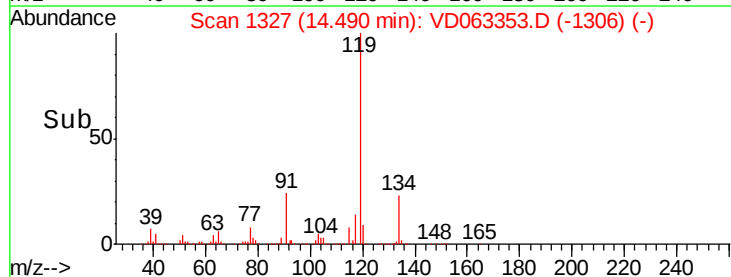
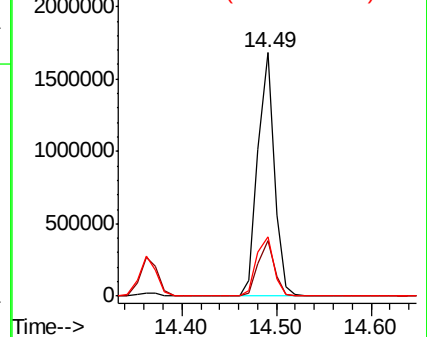
91 24.4 12.6 37.6

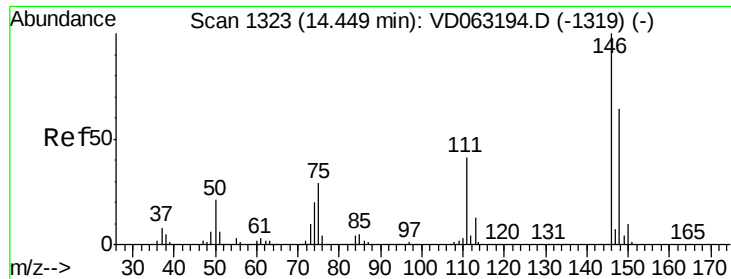


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

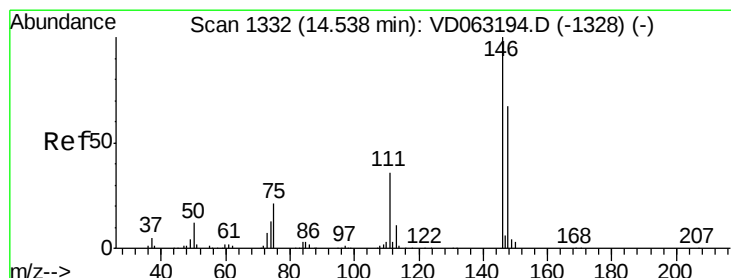
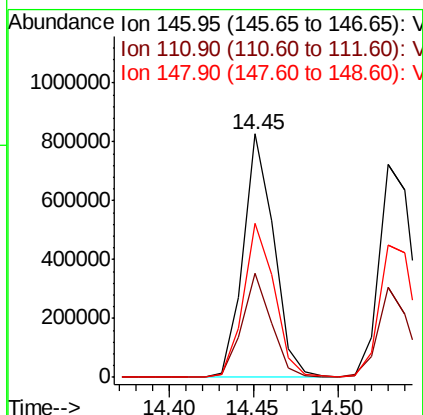
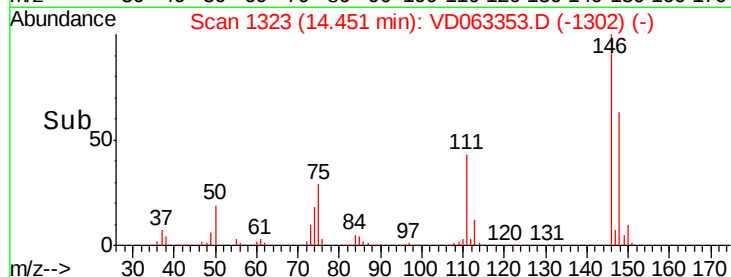
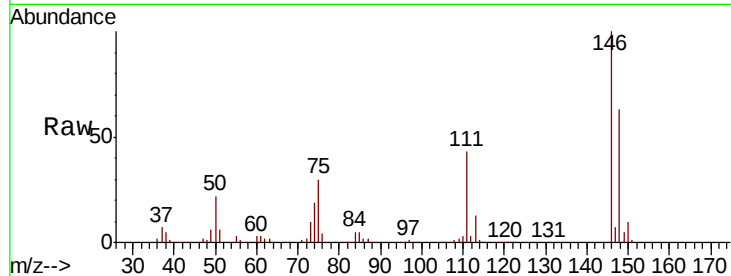




#87
 1,3-Dichlorobenzene
 Concen: 49.372 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

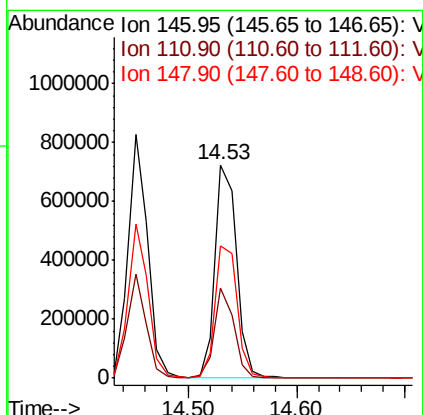
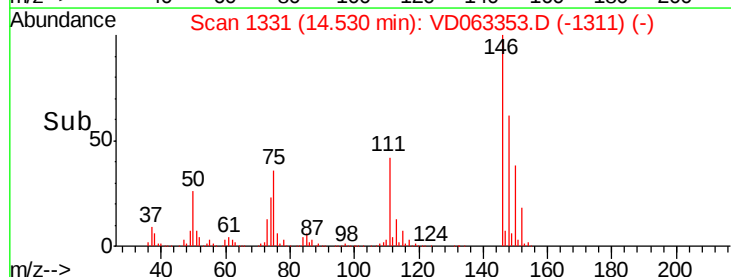
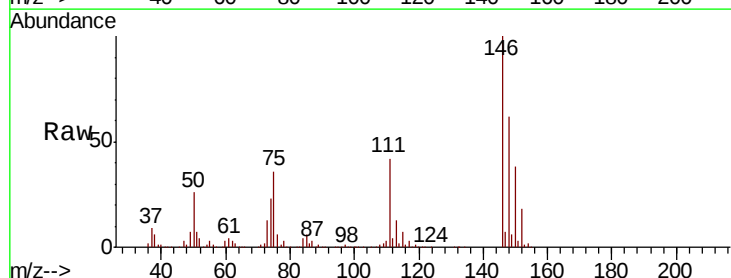
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

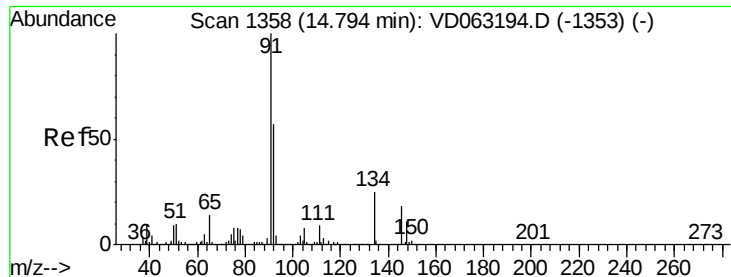
Tgt Ion:146 Resp: 1044795
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.4 61.3
 148 63.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.896 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion:146 Resp: 1003522
 Ion Ratio Lower Upper
 146 100
 111 42.1 18.1 54.3
 148 62.0 33.4 100.1

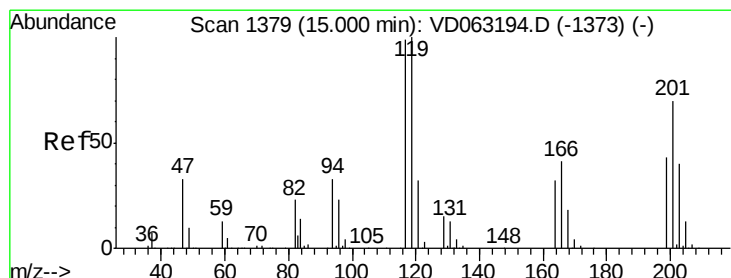
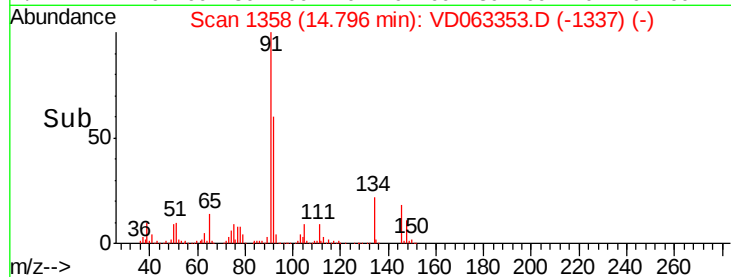
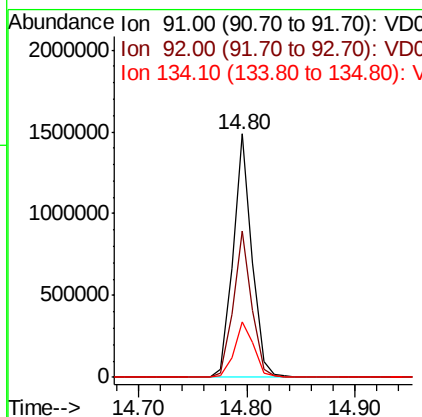
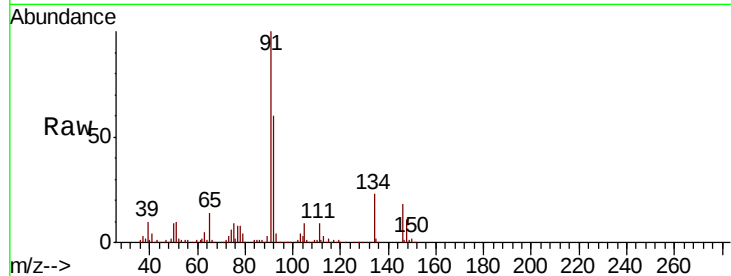




#89
n-Butylbenzene
Concen: 50.154 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

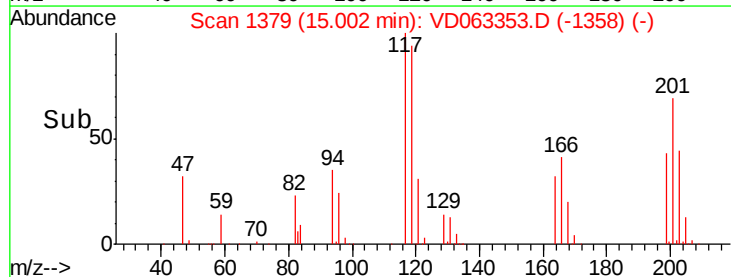
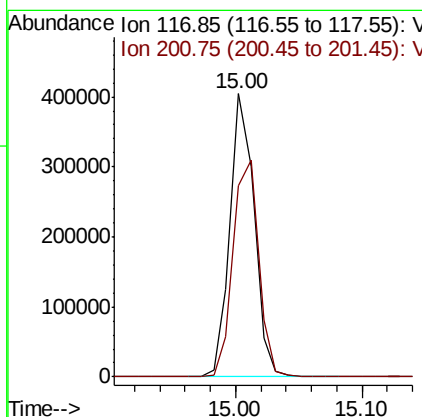
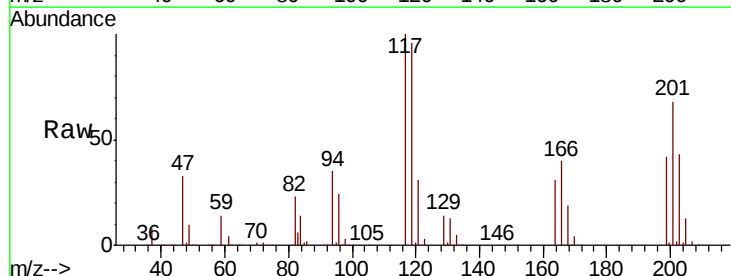
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

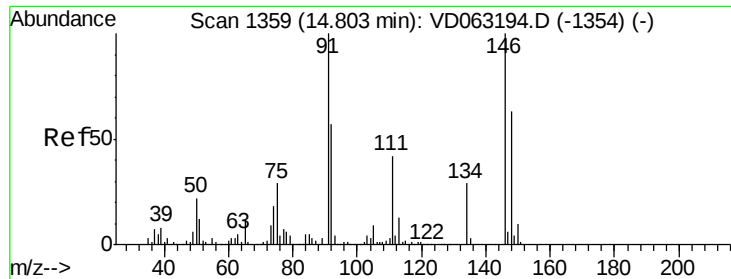
Tgt Ion: 91 Resp: 1799440
Ion Ratio Lower Upper
91 100
92 60.0 28.3 85.0
134 22.5 12.3 36.8



#90
Hexachloroethane
Concen: 49.637 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion: 117 Resp: 537217
Ion Ratio Lower Upper
117 100
201 67.7 35.2 105.6

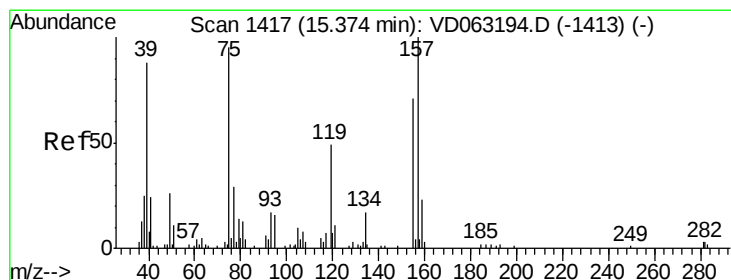
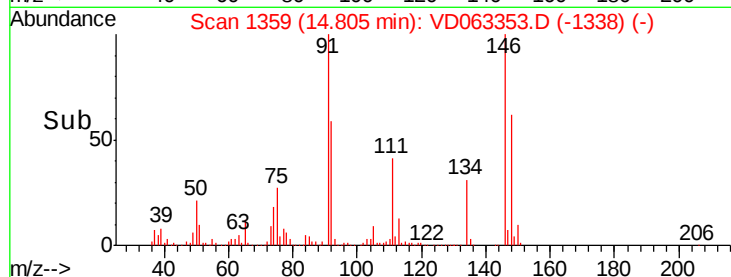
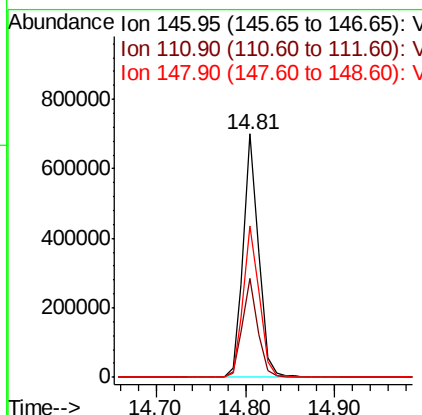
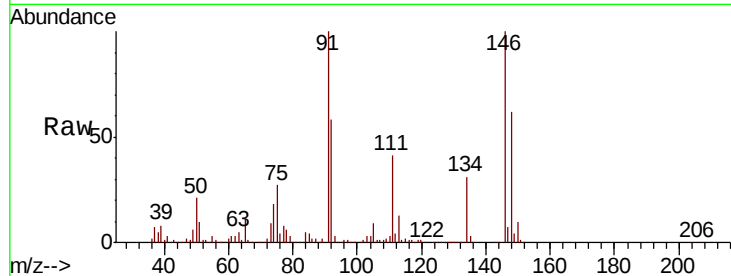




#91
 1,2-Dichlorobenzene
 Concen: 46.087 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

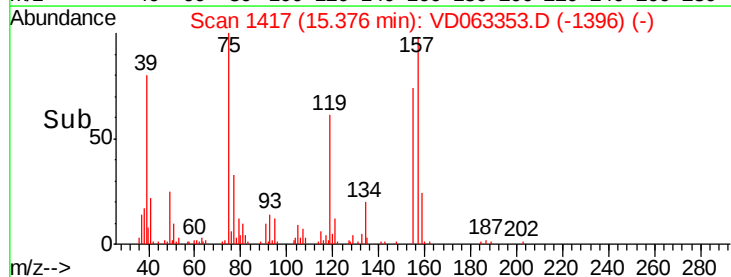
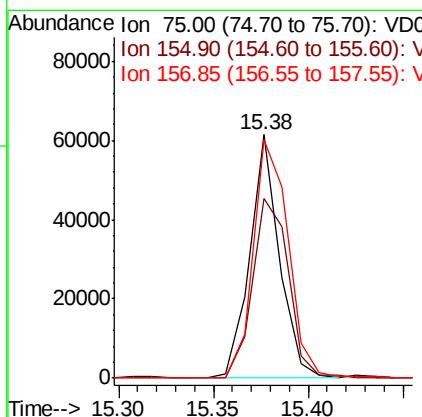
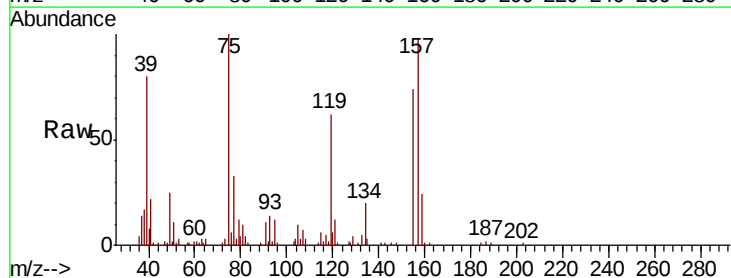
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

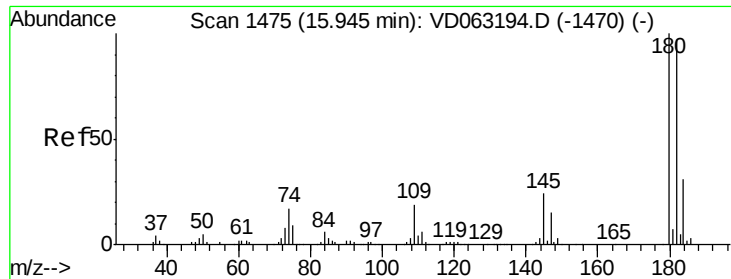
Tgt Ion:146 Resp: 849738
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.1 63.3
 148 62.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.851 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion: 75 Resp: 66547
 Ion Ratio Lower Upper
 75 100
 155 74.0 37.0 111.0
 157 97.7 52.4 157.2

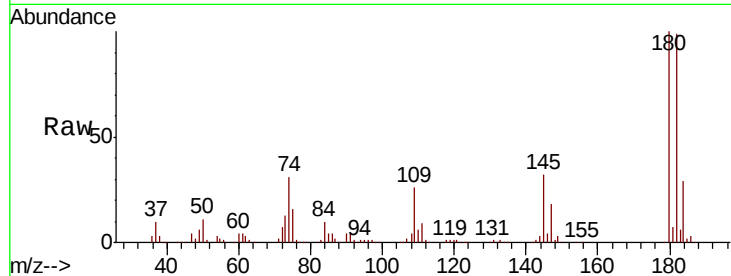




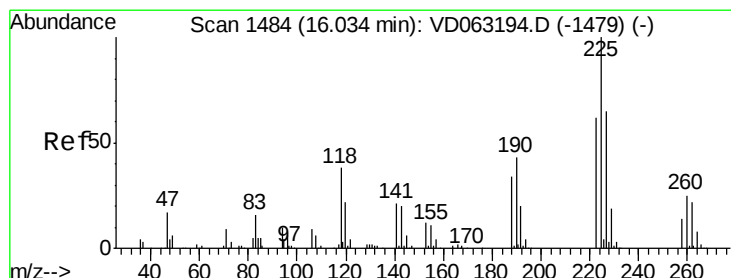
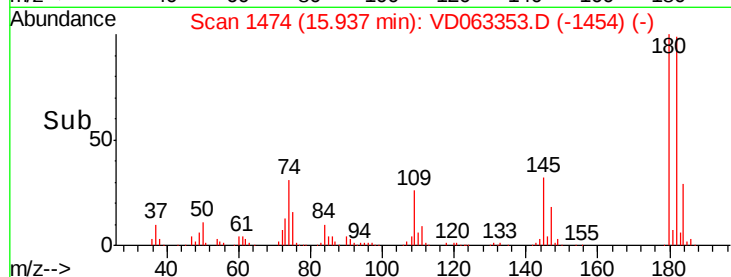
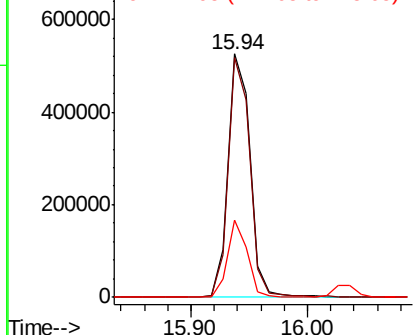
#93
 1,2,4-Trichlorobenzene
 Concen: 47.312 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 692014
 Ion Ratio Lower Upper
 180 100
 182 98.7 48.6 145.8
 145 31.7 12.2 36.6

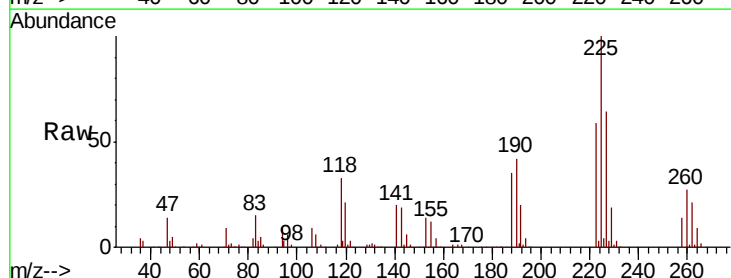


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

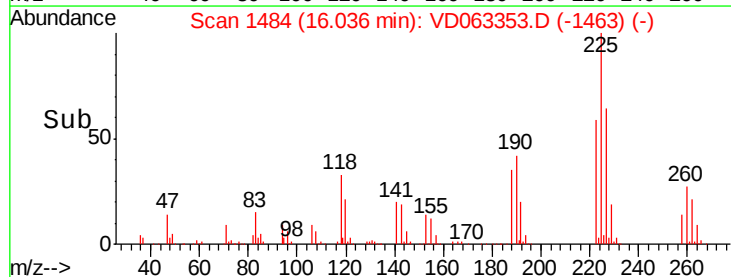
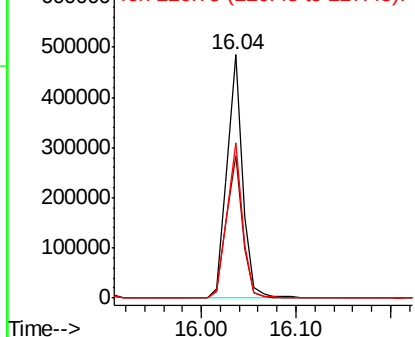


#94
 Hexachlorobutadiene
 Concen: 52.600 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Tgt Ion:225 Resp: 557544
 Ion Ratio Lower Upper
 225 100
 223 58.6 30.9 92.5
 227 64.0 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

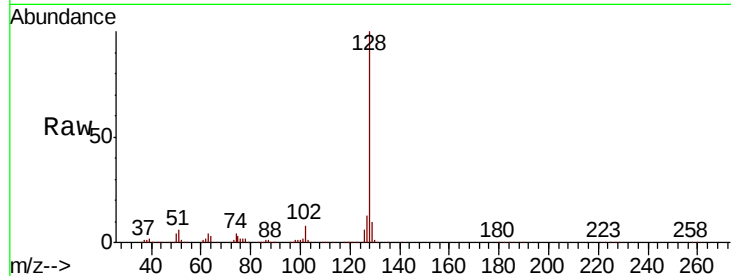




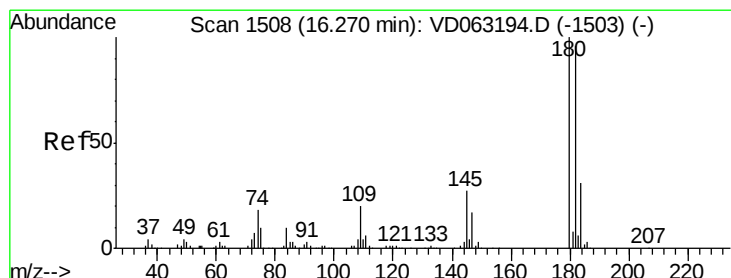
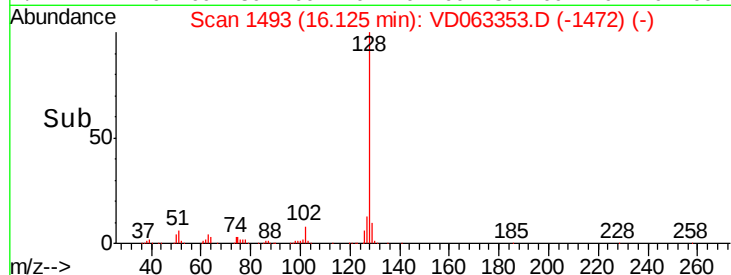
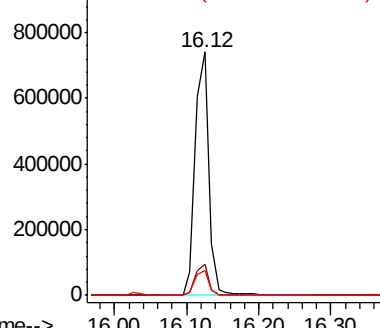
#95
Naphthalene
Concen: 46.244 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 956021
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.3 7.8 11.8

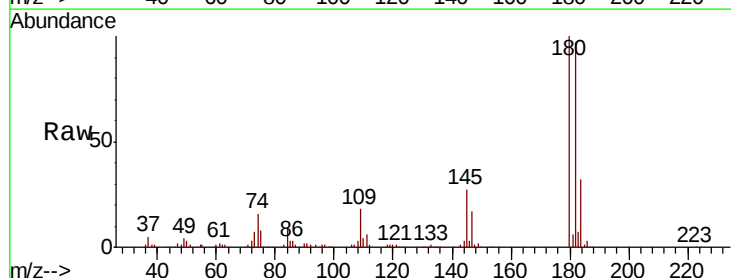


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.120 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Tgt Ion:180 Resp: 579133
Ion Ratio Lower Upper
180 100
182 96.7 48.3 144.9
145 26.9 13.6 40.7



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

