

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

33) 1,2-Dichloroethane-d4	7.45	65	568354	47.05	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	6.92	113	662074	51.63	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.40	98	1461116	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	13.56	95	658736	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						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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 Response via : Initial Calibration

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

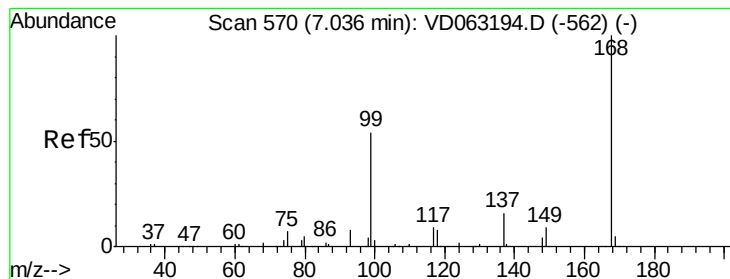
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692014	47.312	ug/l	96
94) Hexachlorobutadiene	16.04	225	557544	52.600	ug/l	97
95) Naphthalene	16.12	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 :

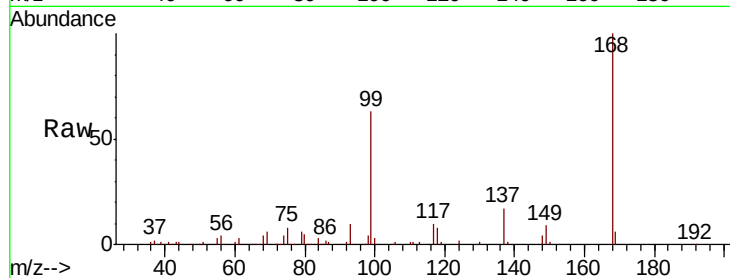
VSTDCCC050

Tot Ion:168 Resp: 1088582

Ion Ratio Lower Upper

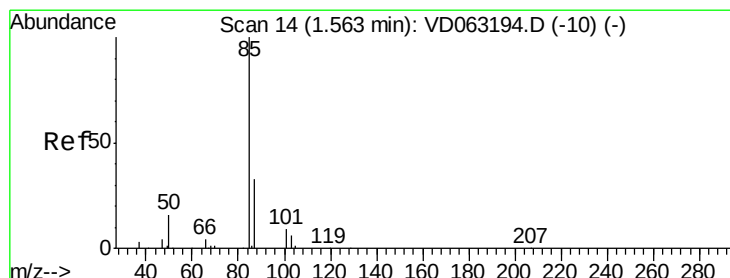
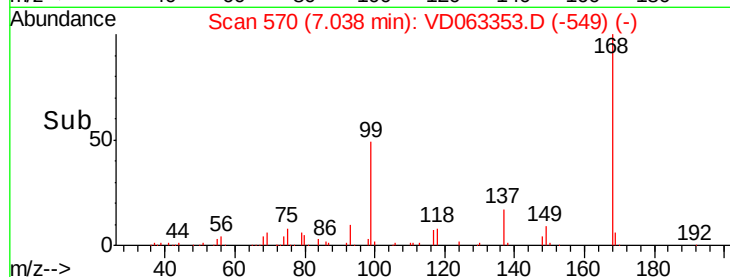
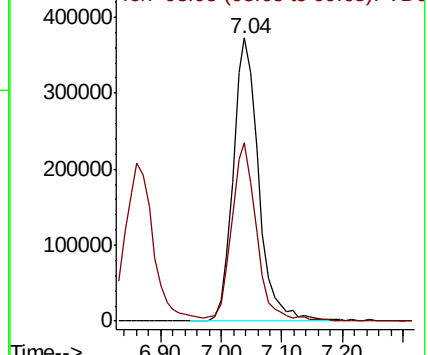
168 100

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

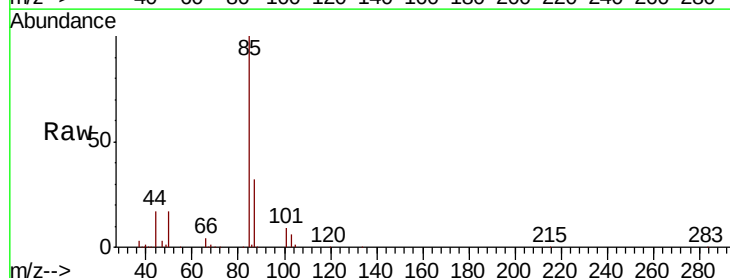
Acq: 3 Aug 2019 11:15

Tgt Ion: 85 Resp: 631719

Ion Ratio Lower Upper

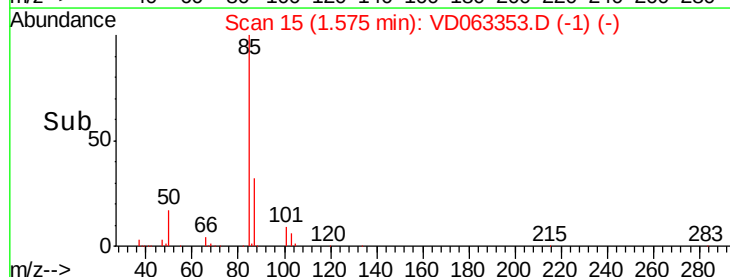
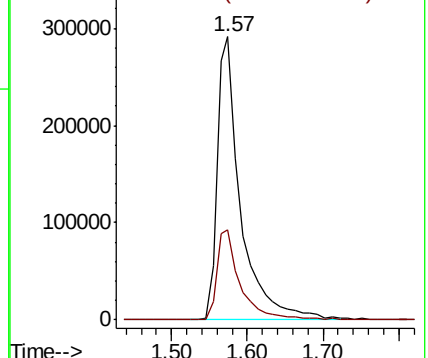
85 100

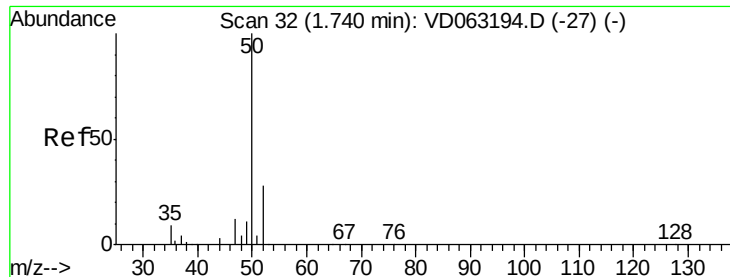
87 31.6 16.6 49.7



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 :

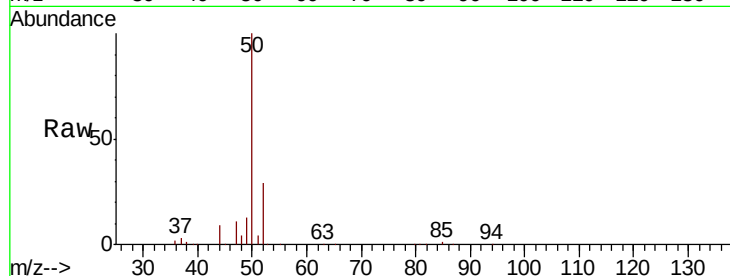
VSTDCCC050

Tot Ion: 50 Resp: 514350

Ion Ratio Lower Upper

50 100

52 29.2 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

200000

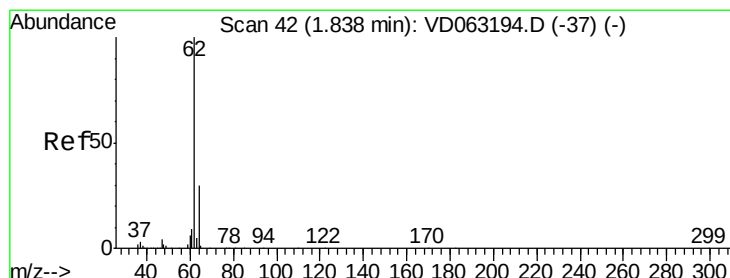
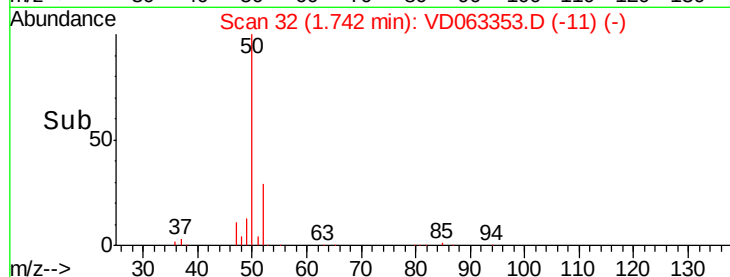
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.330 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063353.D

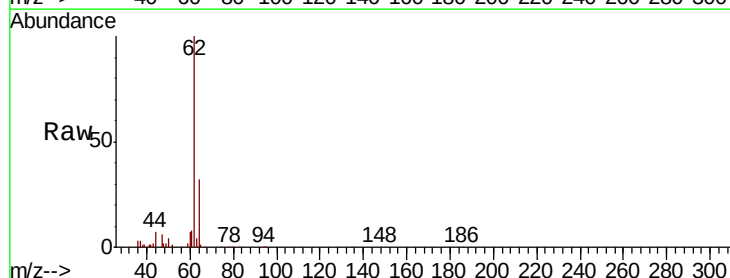
Acq: 3 Aug 2019 11:15

Tgt Ion: 62 Resp: 527953

Ion Ratio Lower Upper

62 100

64 32.0 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

300000

250000

200000

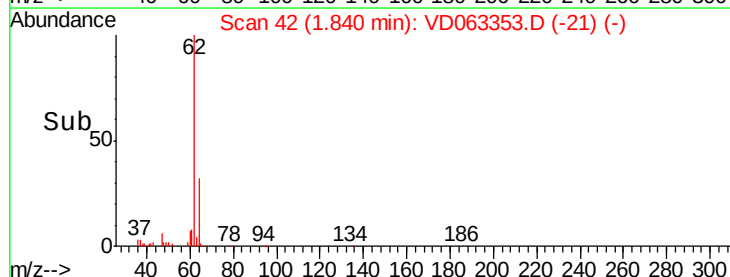
150000

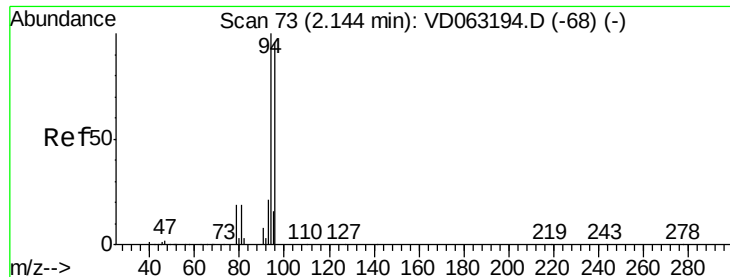
100000

50000

0

Time-->





#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

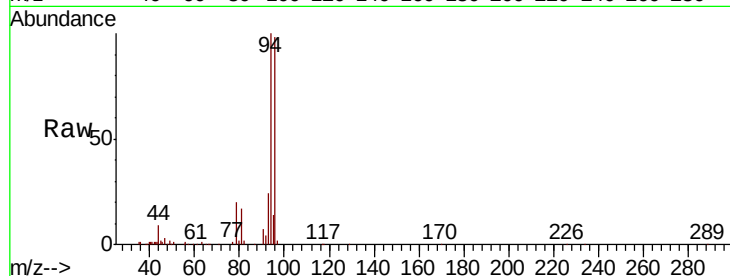
Tot Ion: 94 Resp: 241786

Ion Ratio Lower Upper

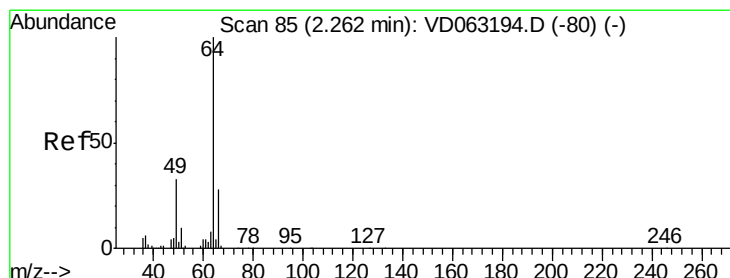
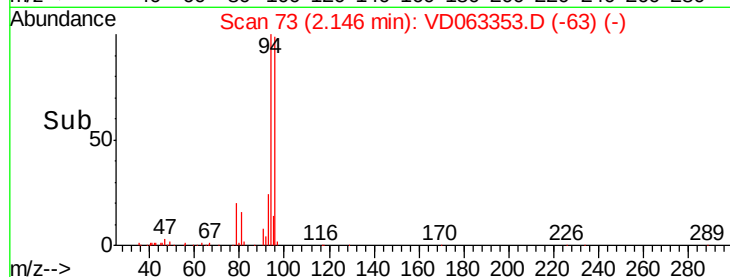
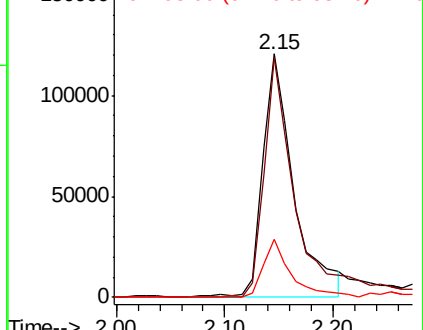
94 100

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

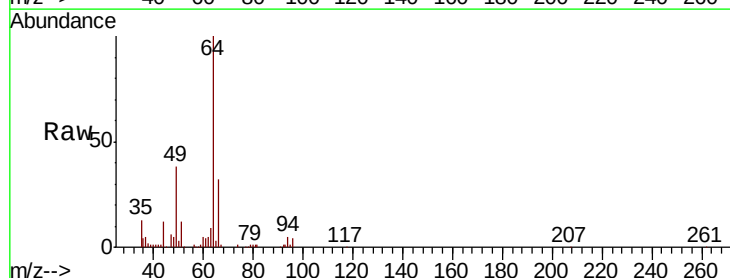
Acq: 3 Aug 2019 11:15

Tgt Ion: 64 Resp: 253497

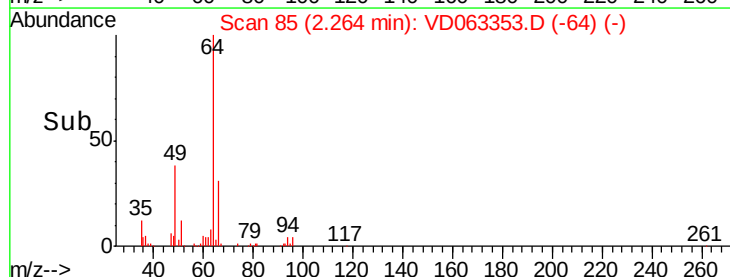
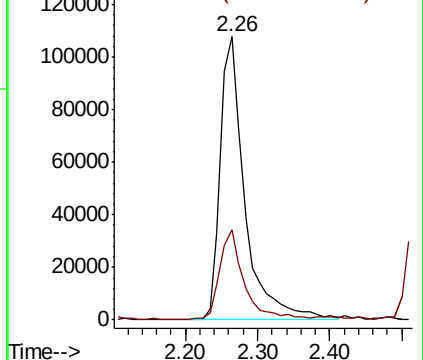
Ion Ratio Lower Upper

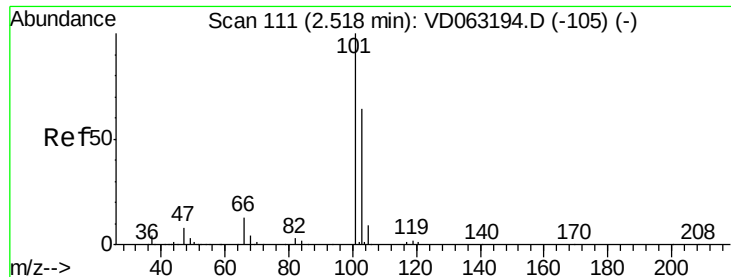
64 100

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



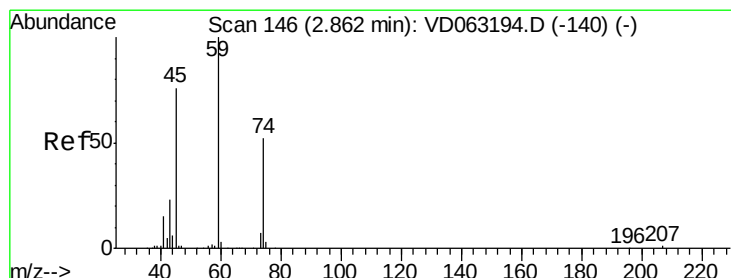
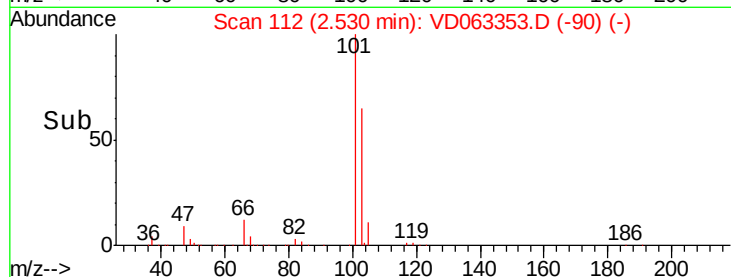
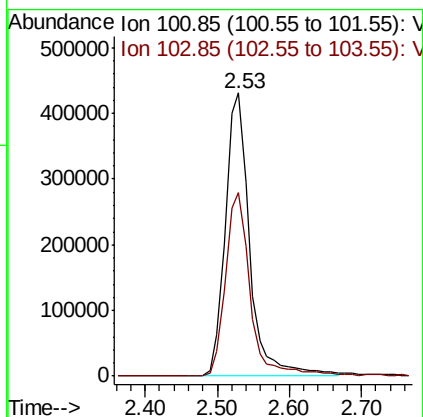
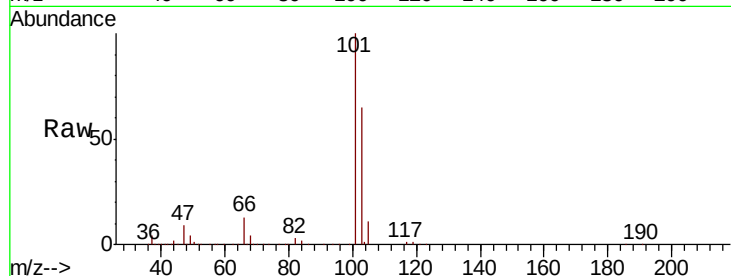


#7

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
ClientSampleId :
VSTDCCC050

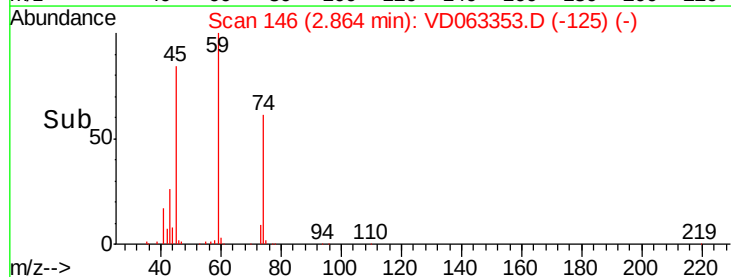
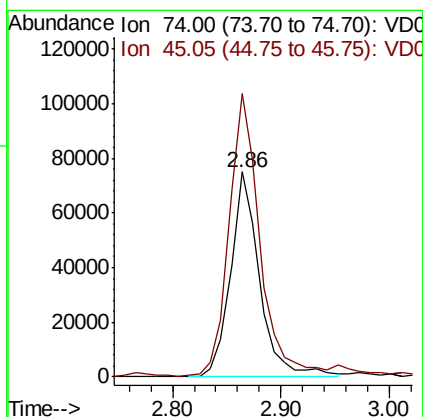
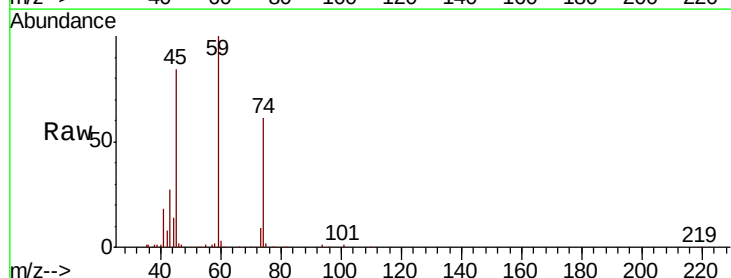
Tot Ion:101 Resp: 1014143
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

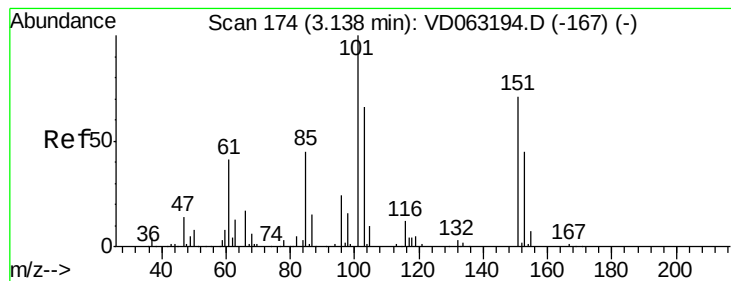


#8

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





#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

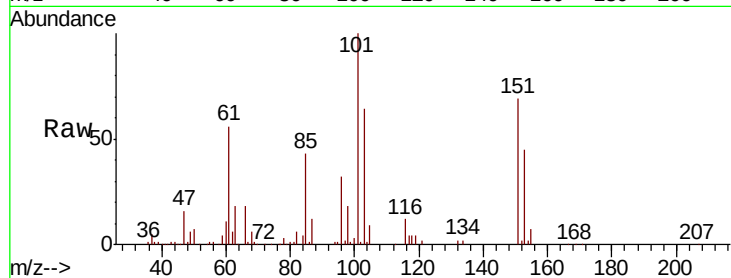
Tot Ion:101 Resp: 622528

Ion Ratio Lower Upper

101 100

85 43.4 36.1 54.1

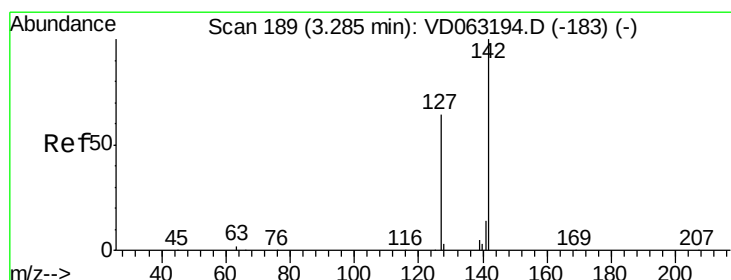
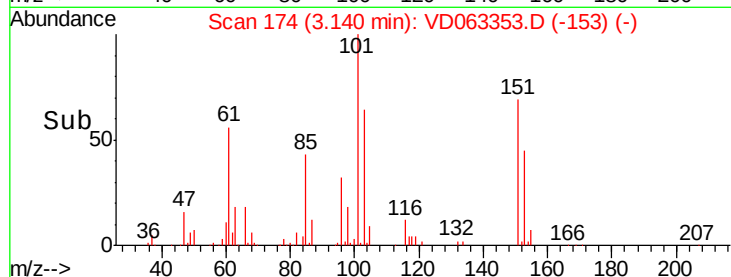
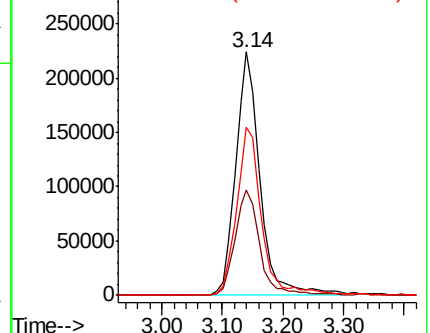
151 69.2 57.1 85.7



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

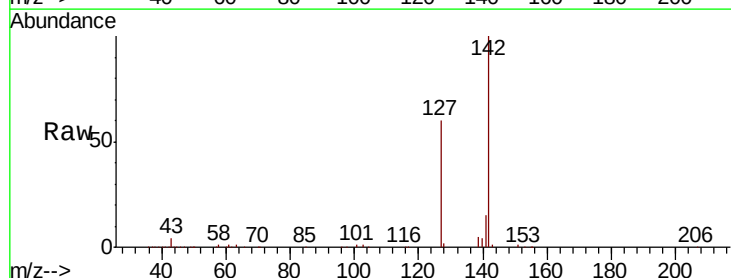
Tgt Ion:142 Resp: 835675

Ion Ratio Lower Upper

142 100

127 60.4 50.8 76.2

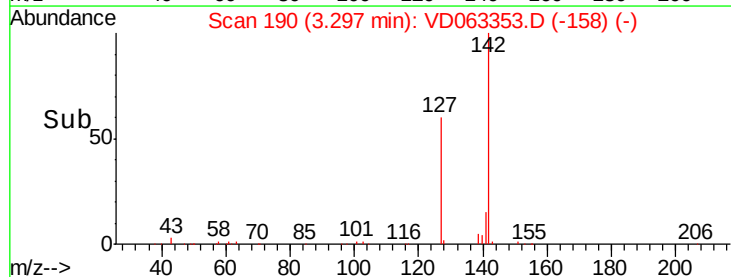
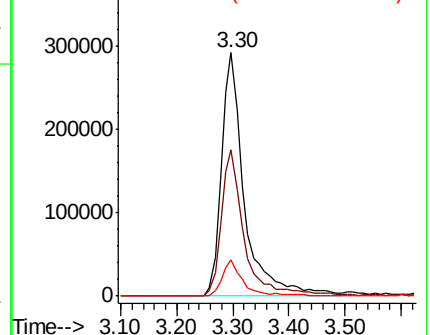
141 14.7 11.4 17.2

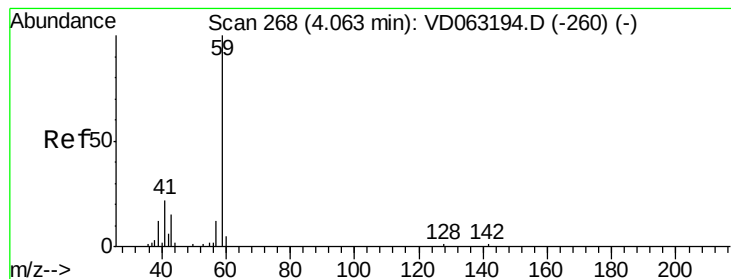


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



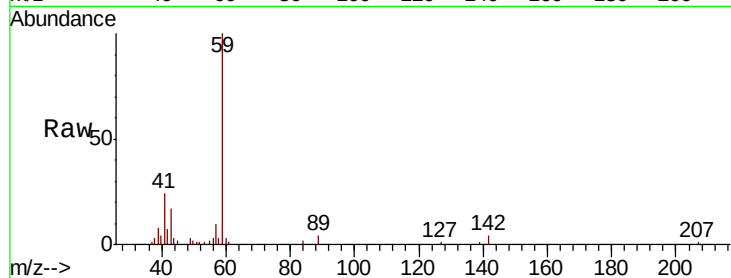


#11

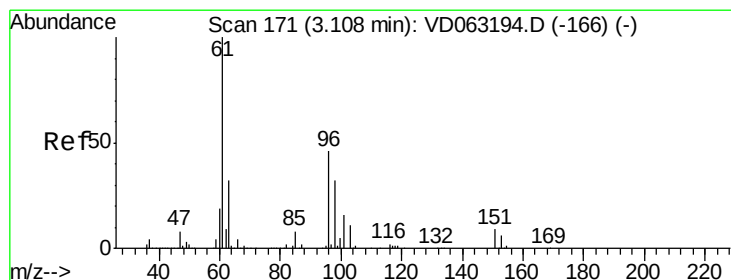
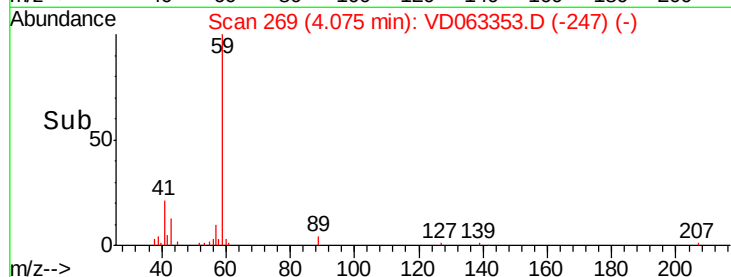
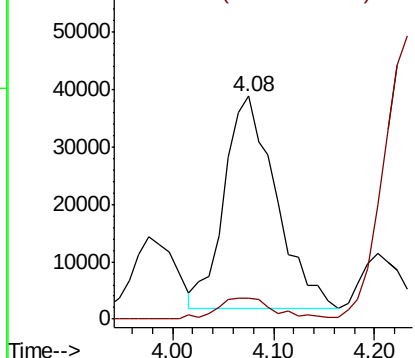
Tert butyl alcohol
 Concen: 246.273 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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



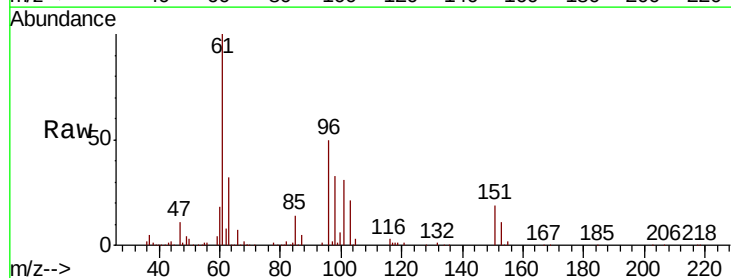
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



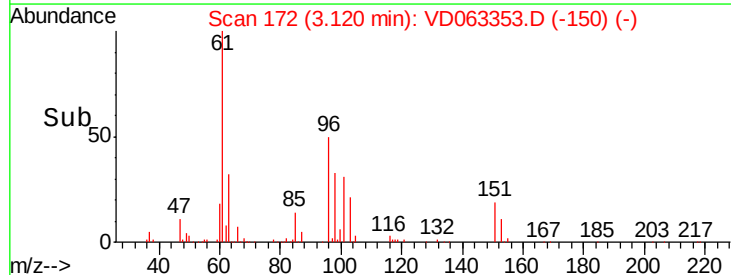
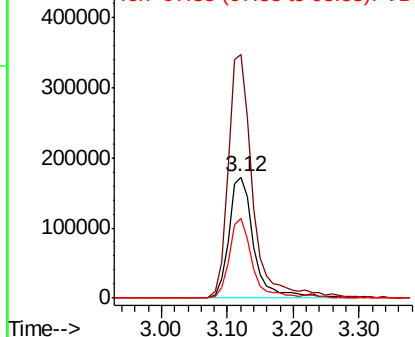
#12

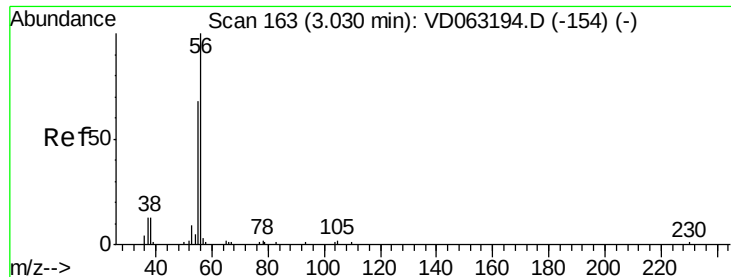
1,1-Dichloroethene
 Concen: 54.431 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

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

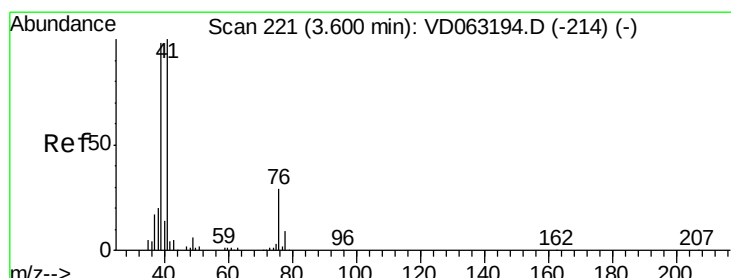
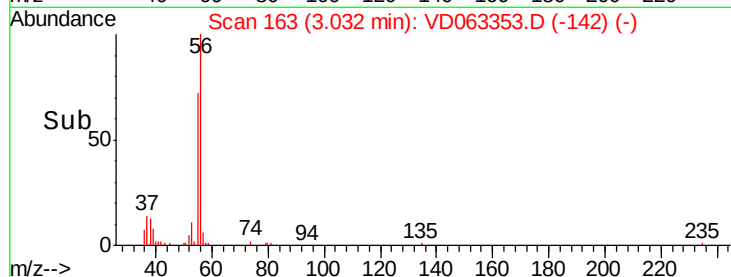
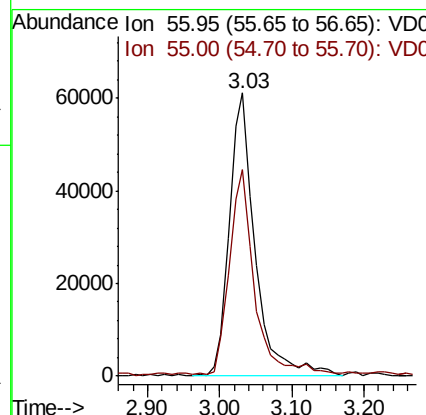
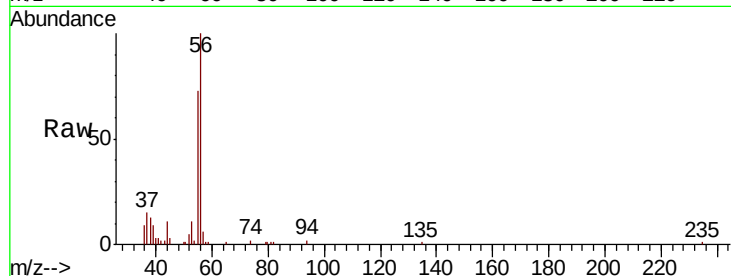




#13
Acrolein
Concen: 297.316 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

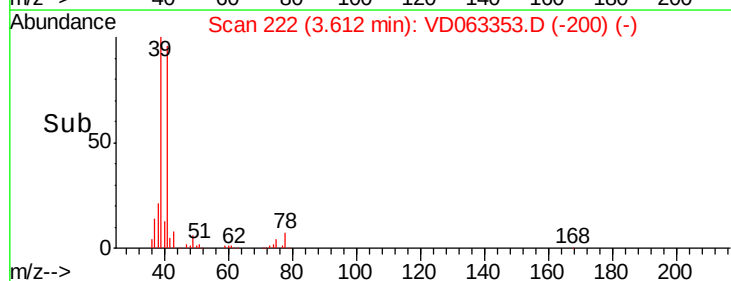
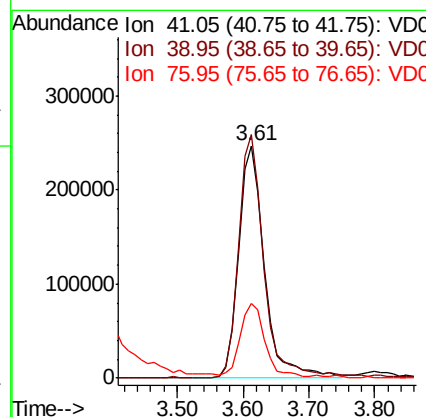
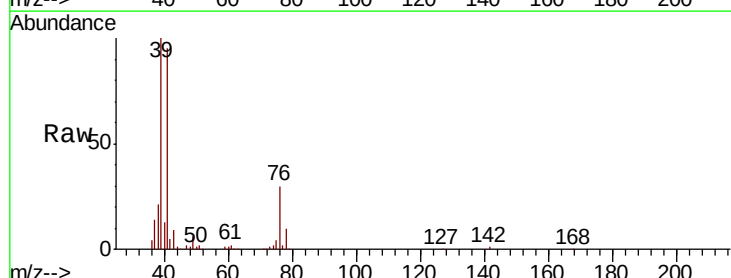
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

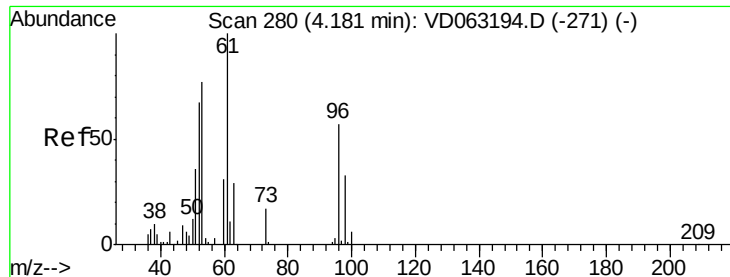
Tot Ion: 56 Resp: 151676
Ion Ratio Lower Upper
56 100
55 72.9 55.3 82.9



#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

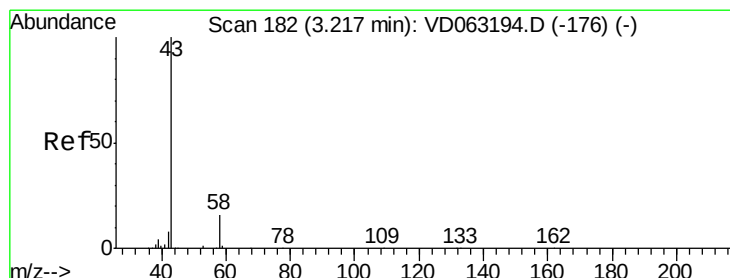
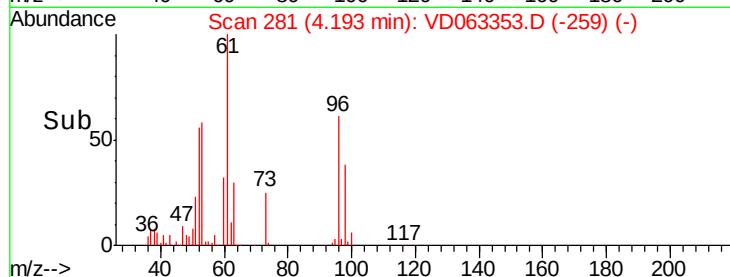
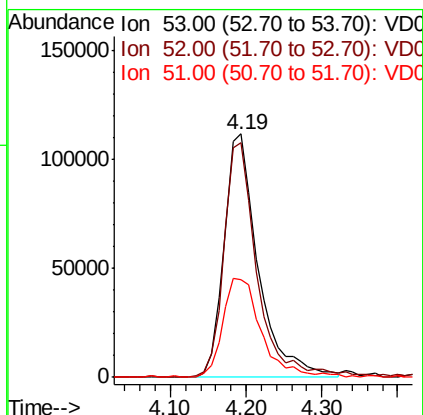
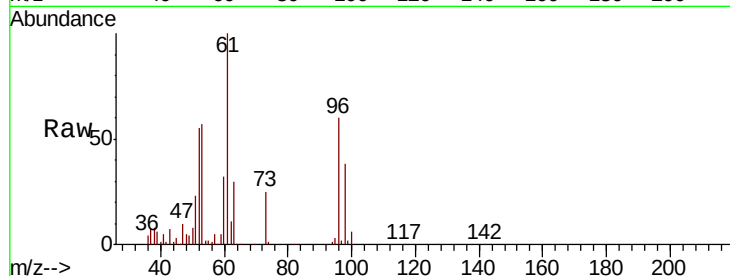
Tot Ion: 53 Resp: 348504

Ion Ratio Lower Upper

53 100

52 96.5 69.7 104.5

51 40.2 37.4 56.0



#16

Acetone

Concen: 296.925 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063353.D

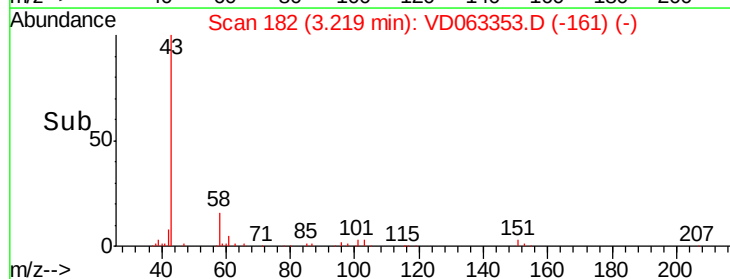
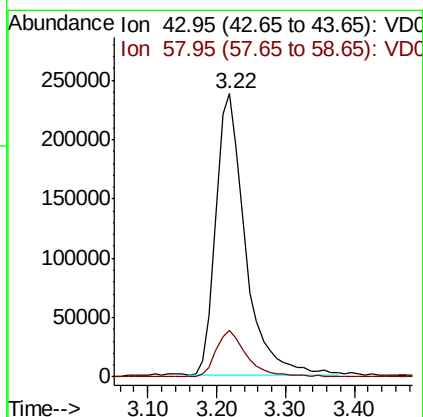
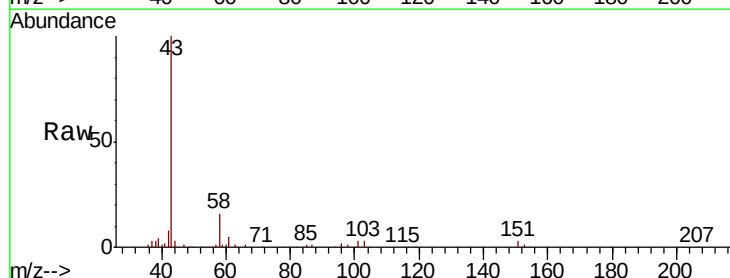
Acq: 3 Aug 2019 11:15

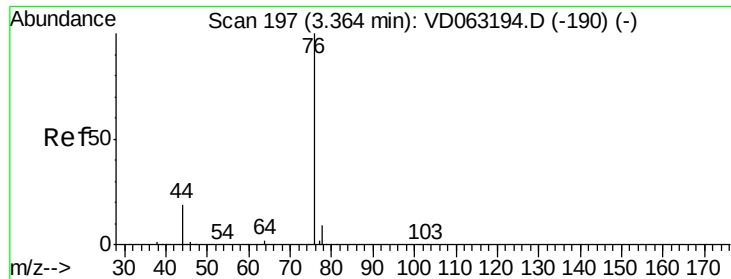
Tgt Ion: 43 Resp: 698793

Ion Ratio Lower Upper

43 100

58 16.3 13.0 19.4





#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 :

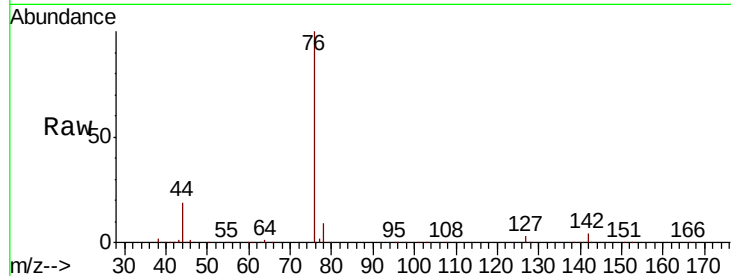
VSTDCCC050

Tot Ion: 76 Resp: 1397987

Ion Ratio Lower Upper

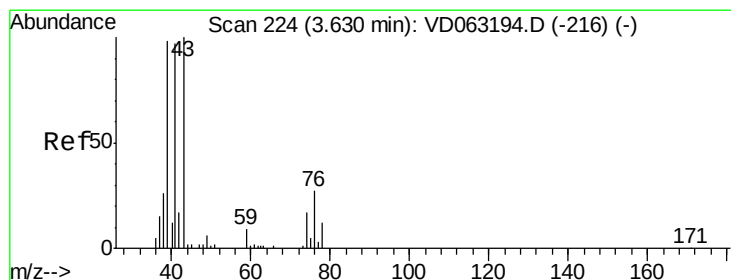
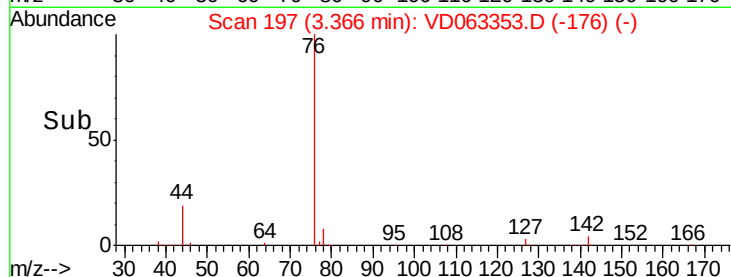
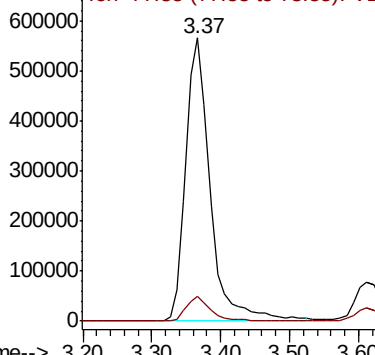
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.311 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063353.D

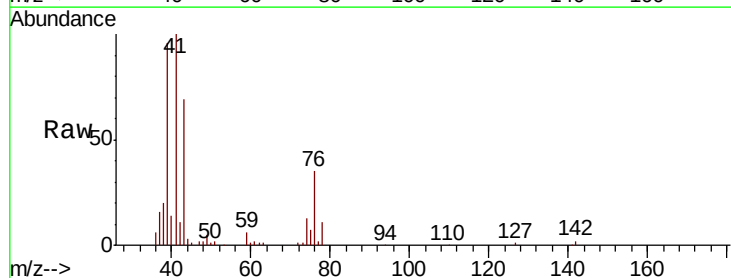
Acq: 3 Aug 2019 11:15

Tgt Ion: 43 Resp: 209349

Ion Ratio Lower Upper

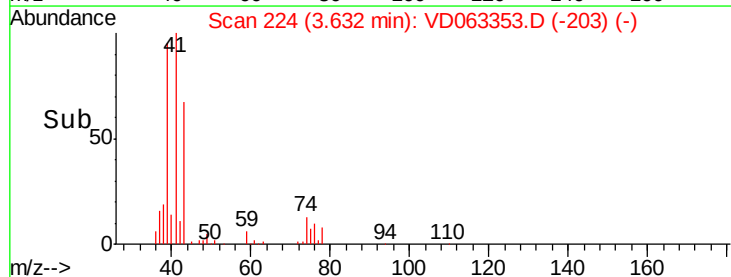
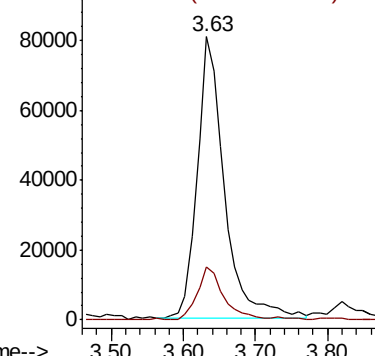
43 100

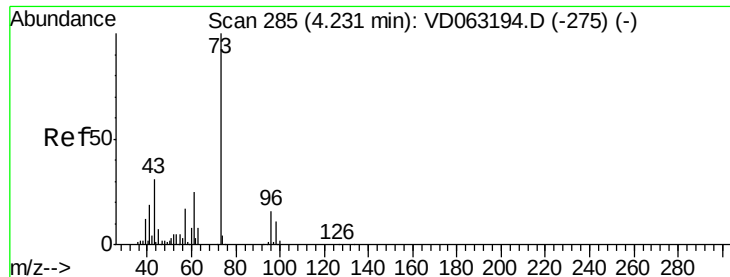
74 18.6 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



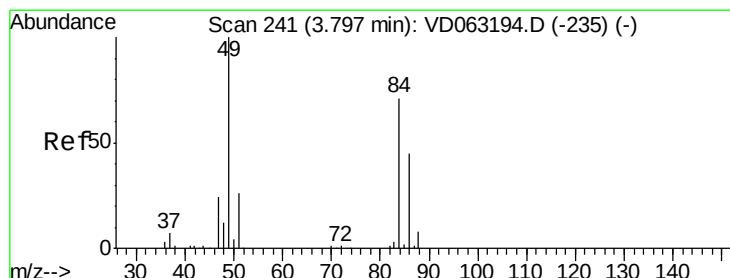
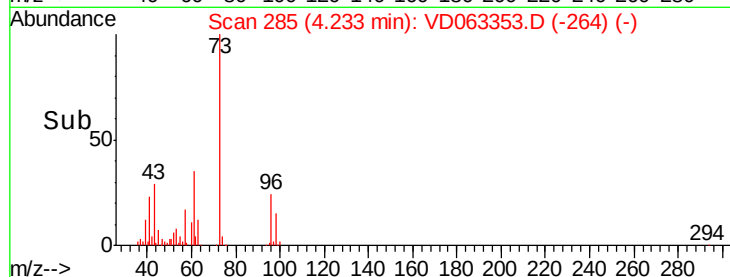
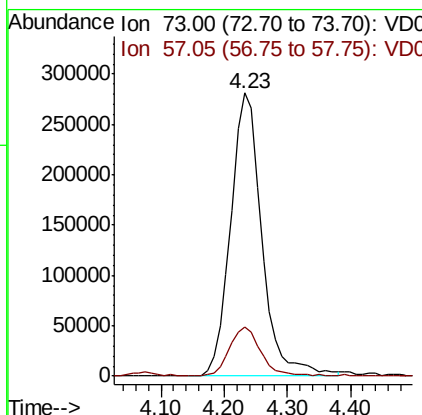
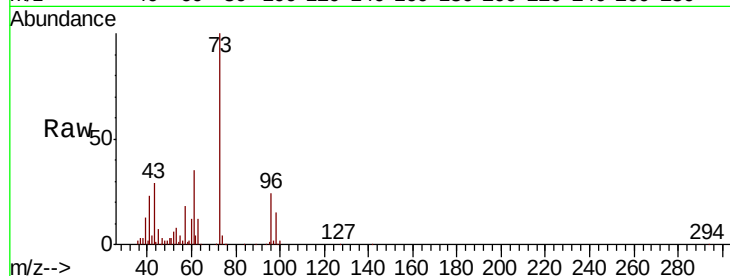


#19

Methyl tert-butyl Ether
 Concen: 50.538 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

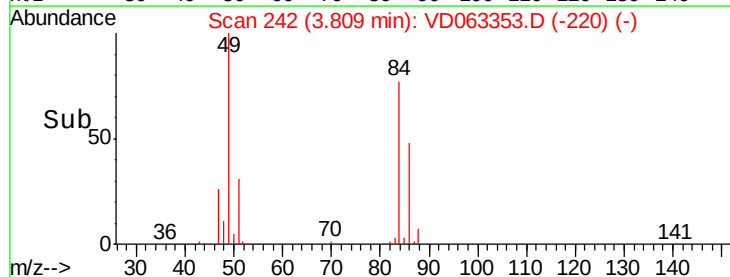
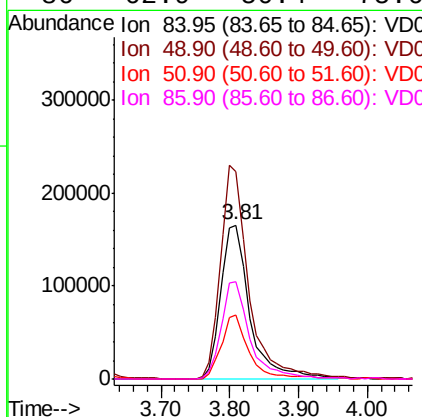
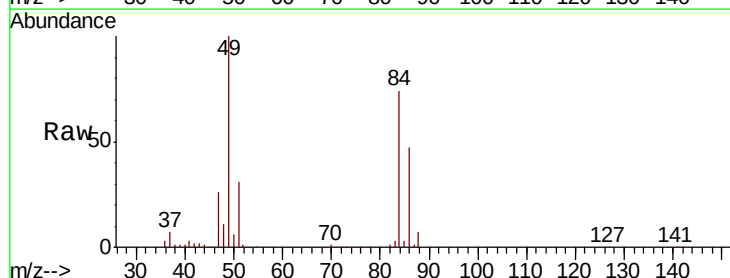
Tot Ion: 73 Resp: 963898
 Ion Ratio Lower Upper
 73 100
 57 17.5 13.8 20.6

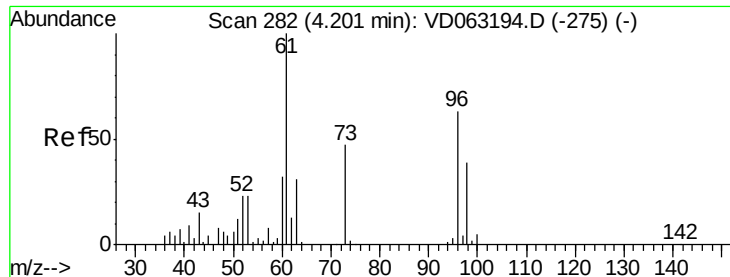


#20

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

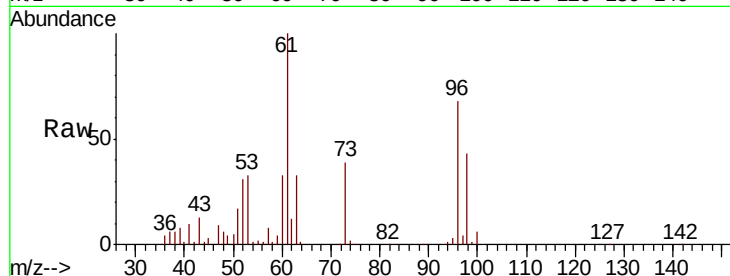
Tot Ion: 96 Resp: 496991

Ion Ratio Lower Upper

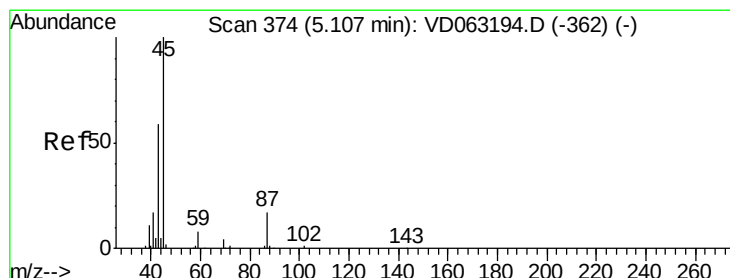
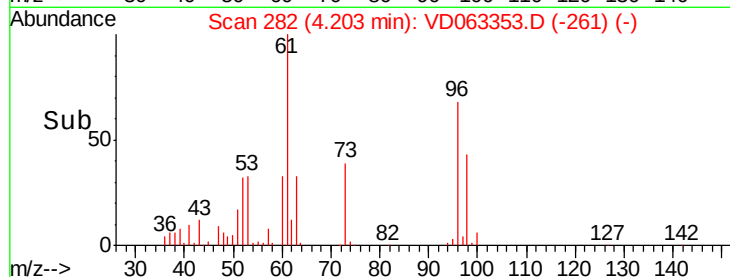
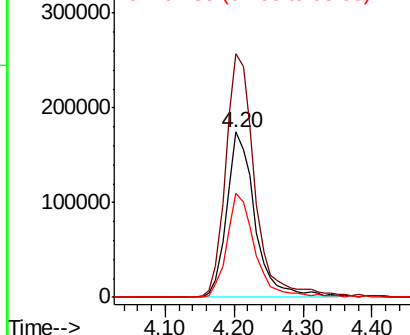
96 100

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

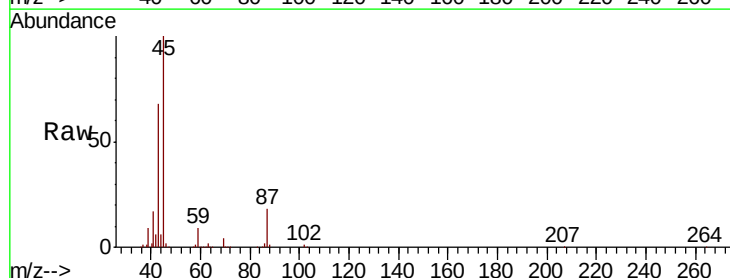
Ion Ratio Lower Upper

45 100

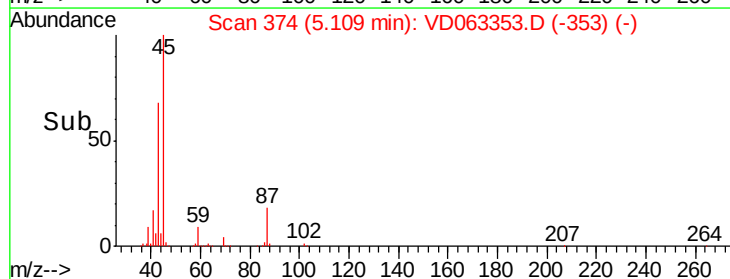
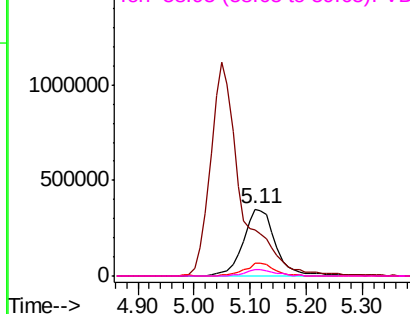
43 68.1 51.7 77.5

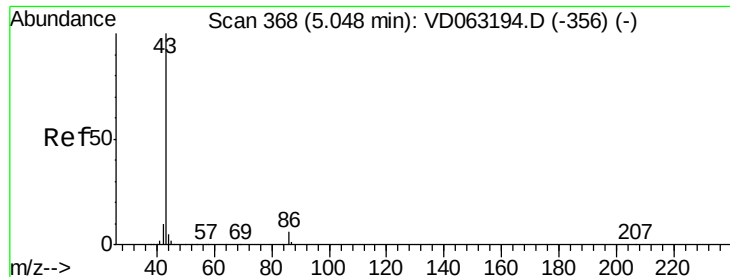
87 18.3 14.6 21.8

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 :

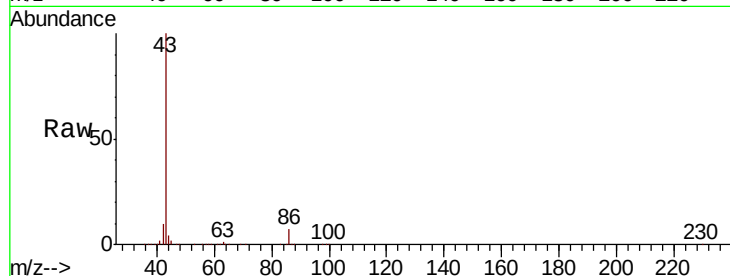
VSTDCCC050

Tot Ion: 43 Resp: 4203486

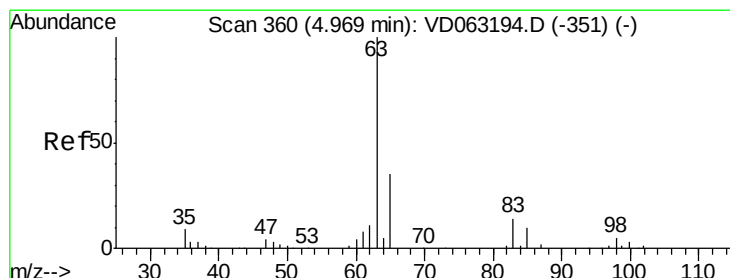
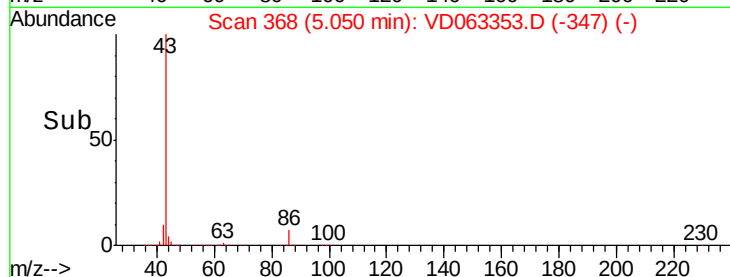
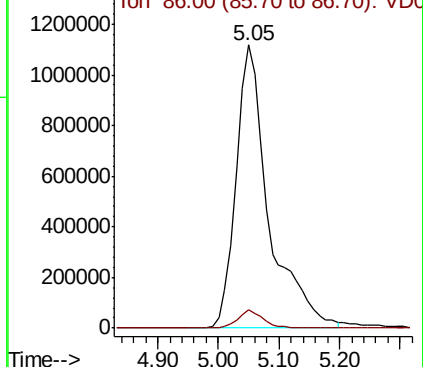
Ion Ratio Lower Upper

43 100

86 6.5 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC



#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

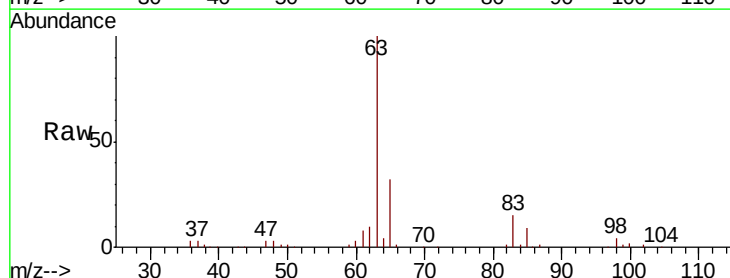
Tgt Ion: 63 Resp: 872382

Ion Ratio Lower Upper

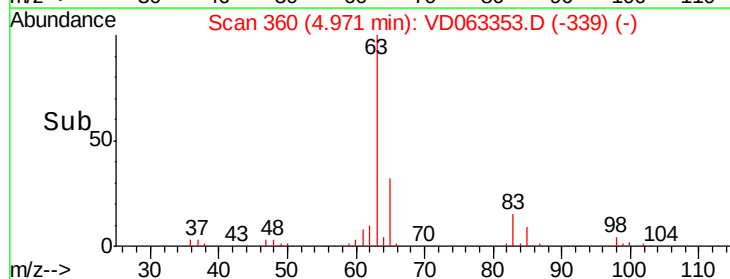
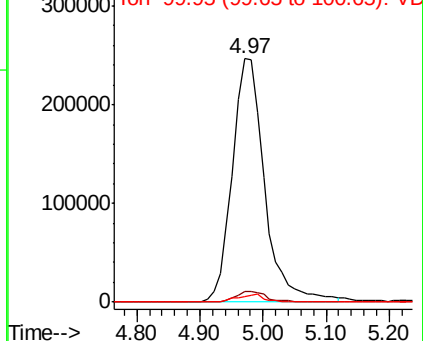
63 100

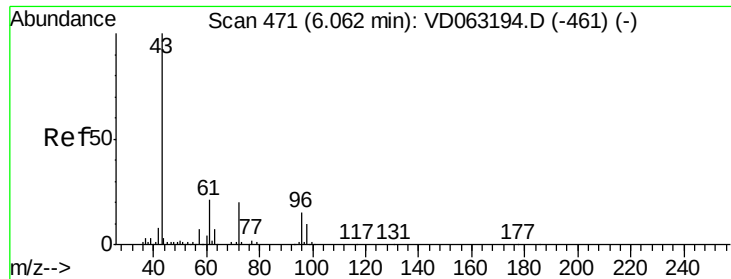
98 4.4 2.8 8.4

100 2.3 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC





#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 :

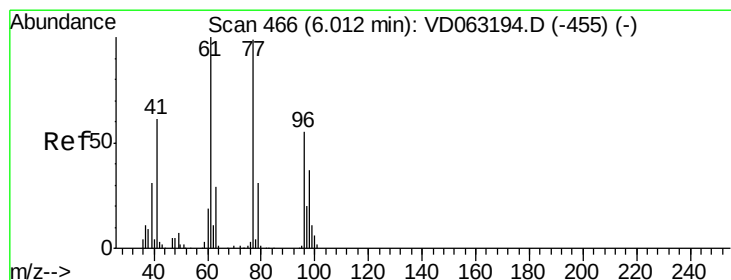
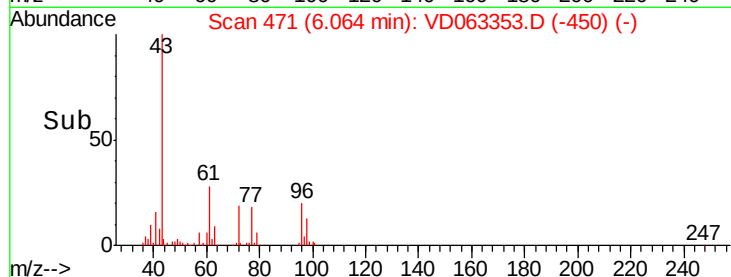
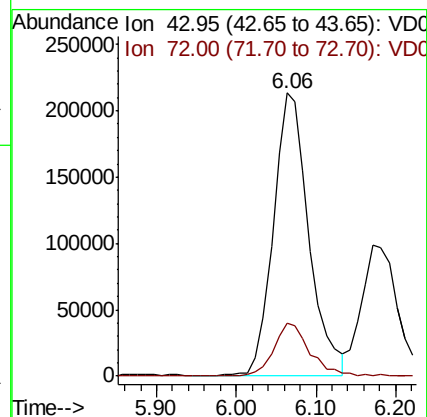
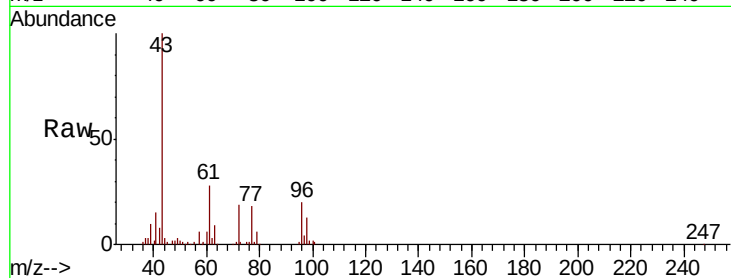
VSTDCCC050

Tot Ion: 43 Resp: 663693

Ion Ratio Lower Upper

43 100

72 18.5 16.3 24.5



#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

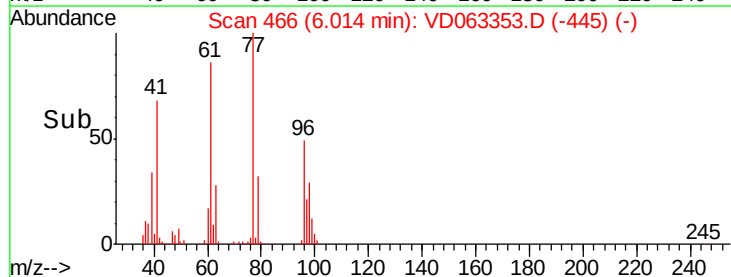
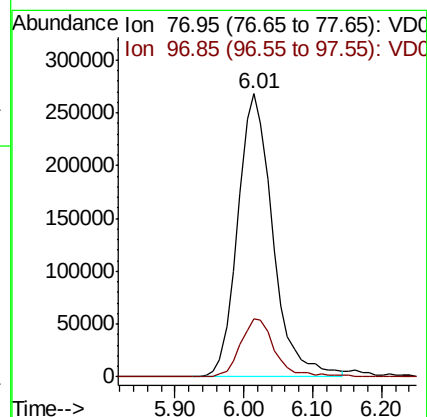
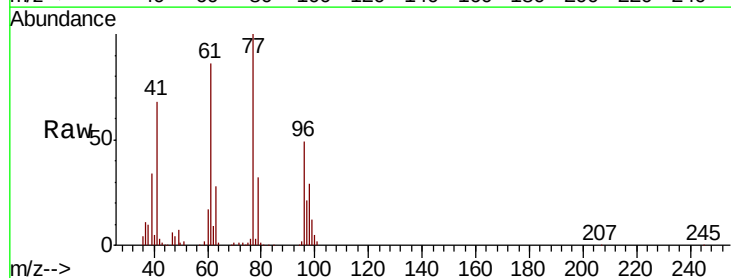
Acq: 3 Aug 2019 11:15

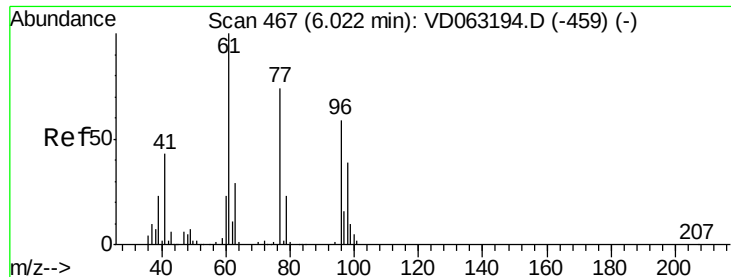
Tgt Ion: 77 Resp: 946144

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.6



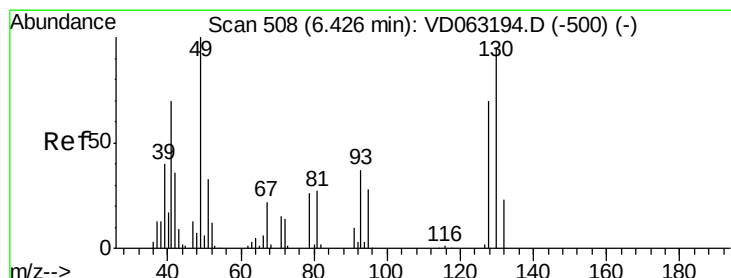
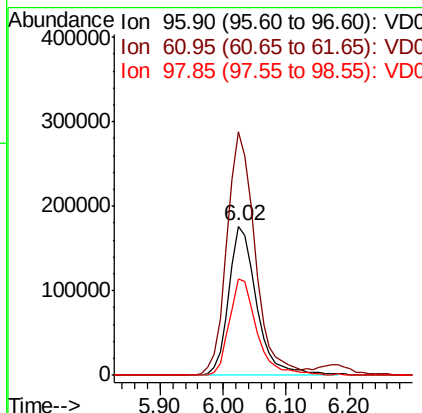
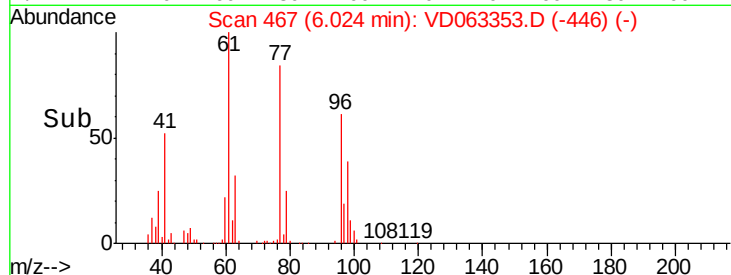
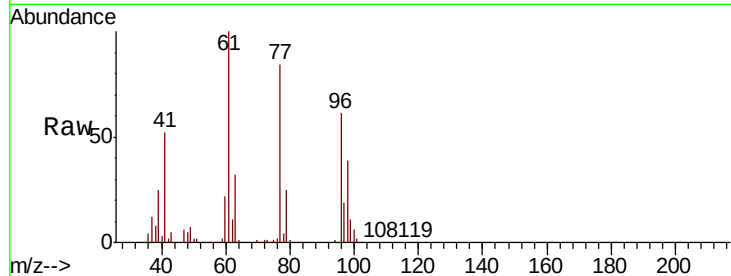


#27

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

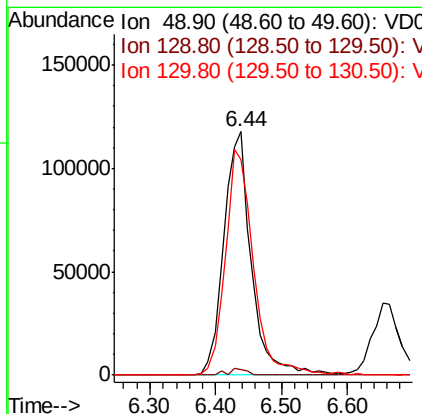
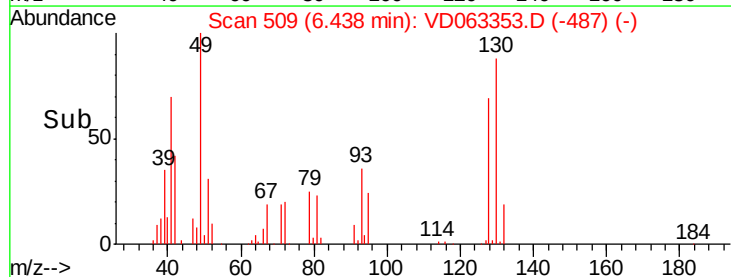
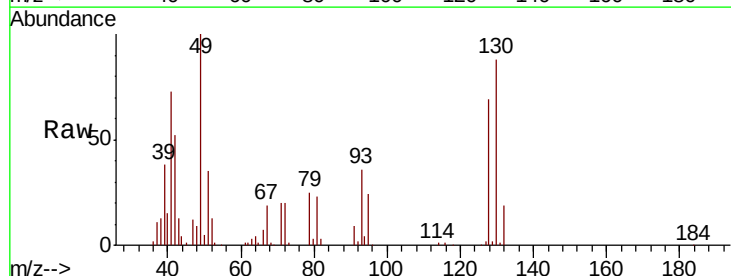
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	337.2
98	64.4	0.0	130.6

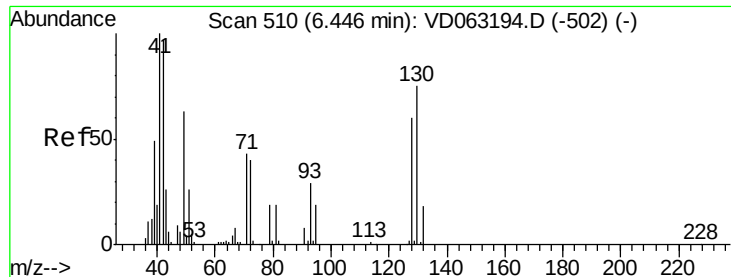


#28

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	Ratio	Lower	Upper
49	100		
129	2.1	0.0	0.0#
130	88.4	75.7	113.5





#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

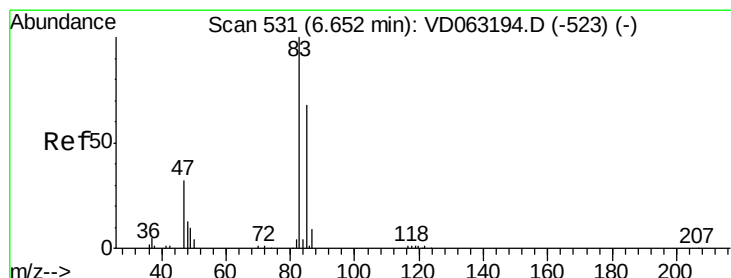
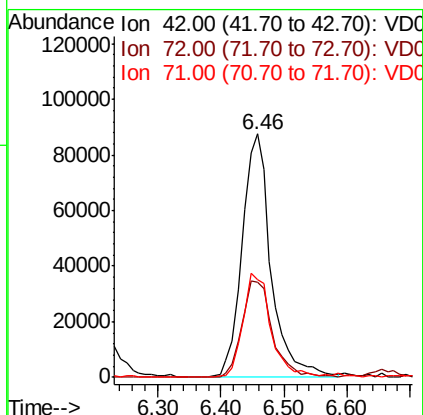
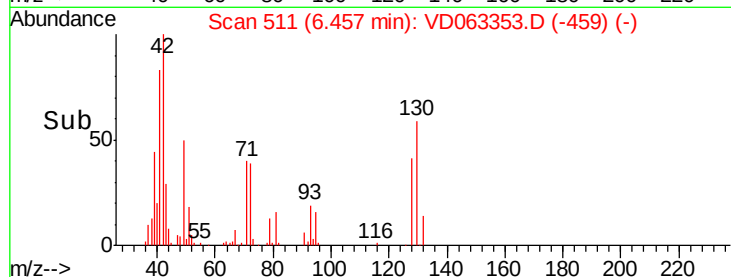
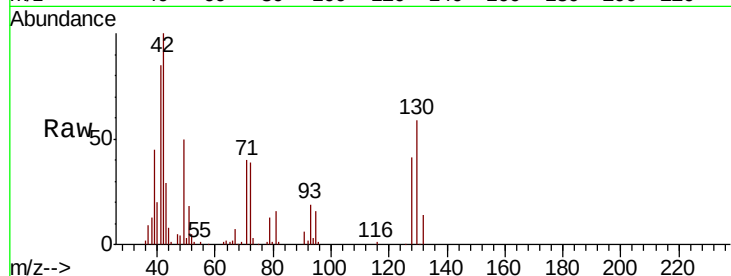
Tot Ion: 42 Resp: 278829

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

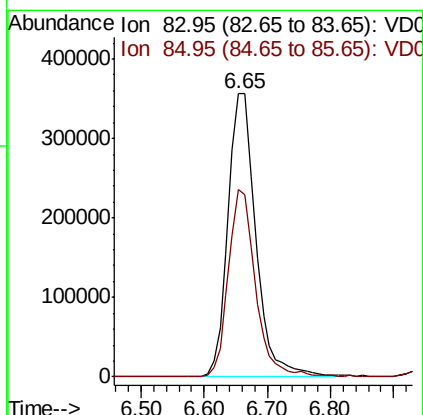
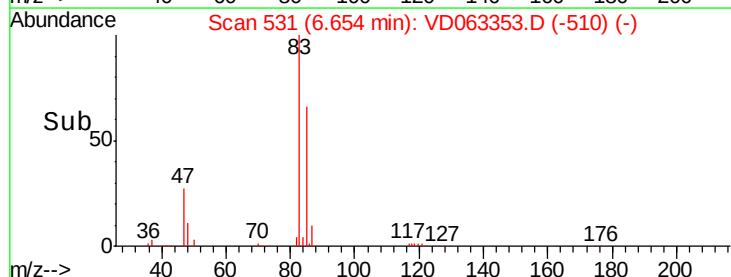
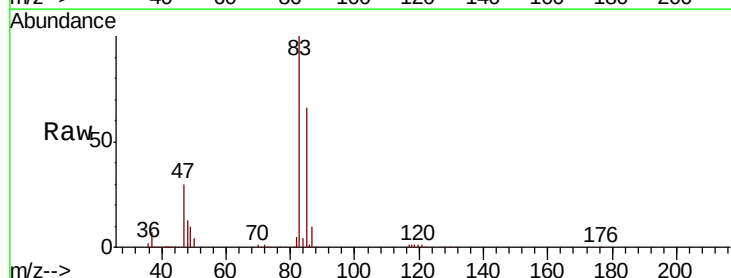
Acq: 3 Aug 2019 11:15

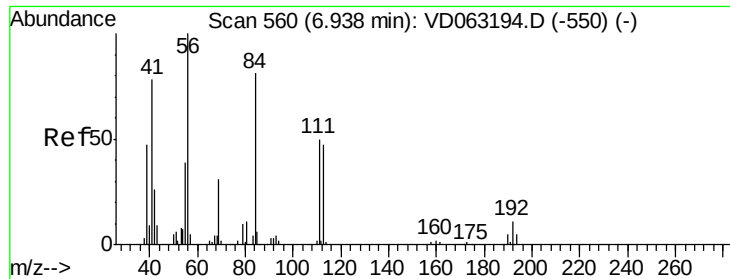
Tgt Ion: 83 Resp: 1094112

Ion Ratio Lower Upper

83 100

85 66.1 54.2 81.4

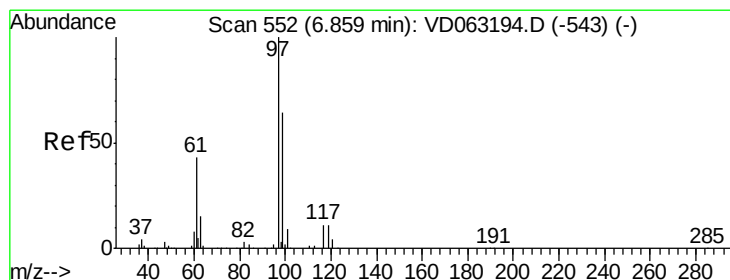
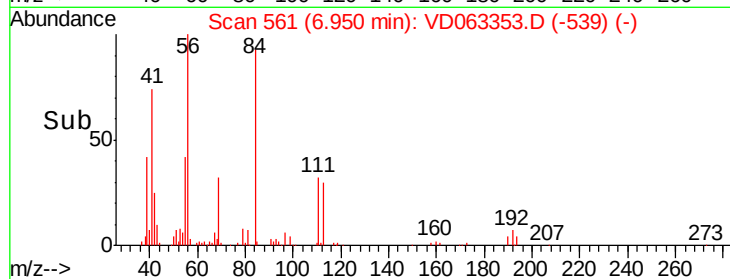
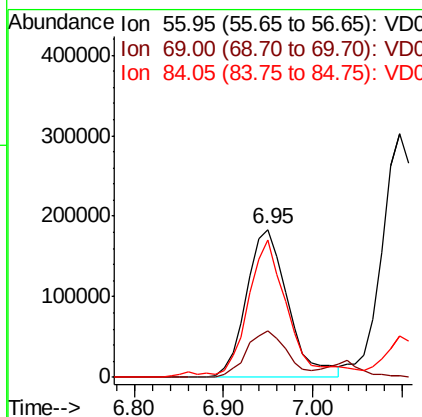
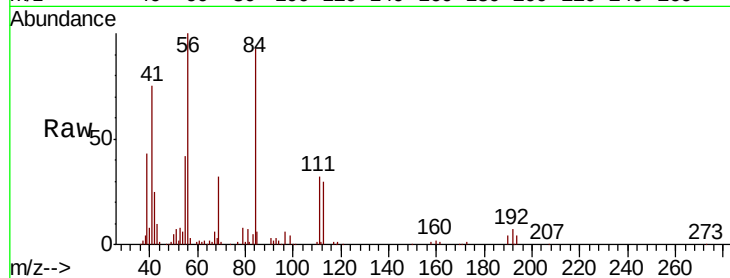




#31
Cyclohexane
Concen: 55.039 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

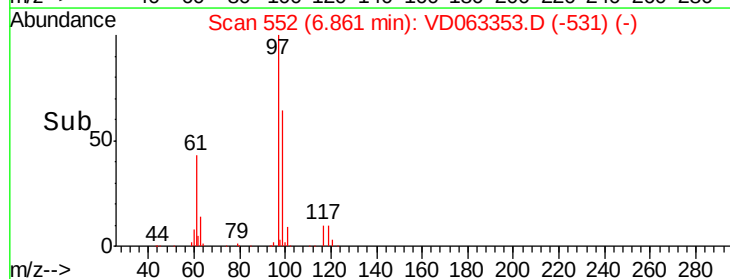
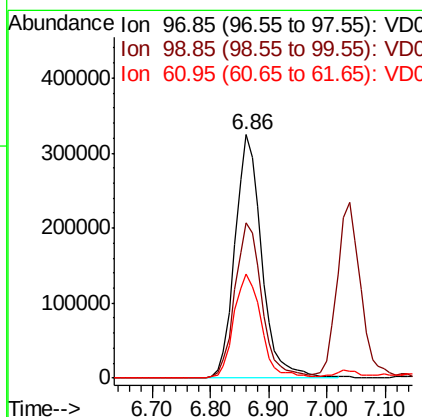
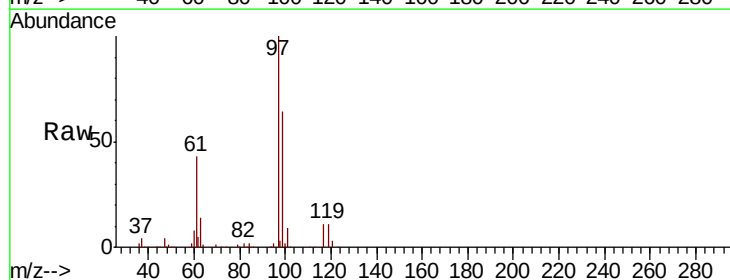
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

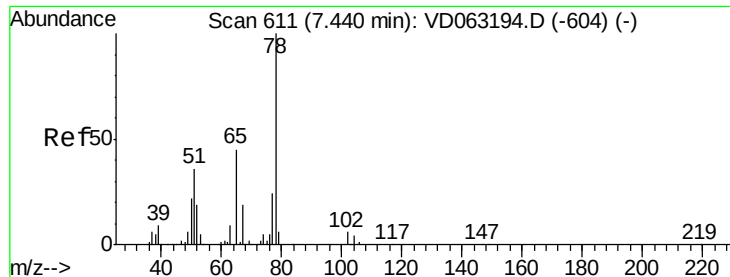
Tot Ion: 56 Resp: 592180
Ion Ratio Lower Upper
56 100
69 31.7 24.5 36.7
84 93.3 64.9 97.3



#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

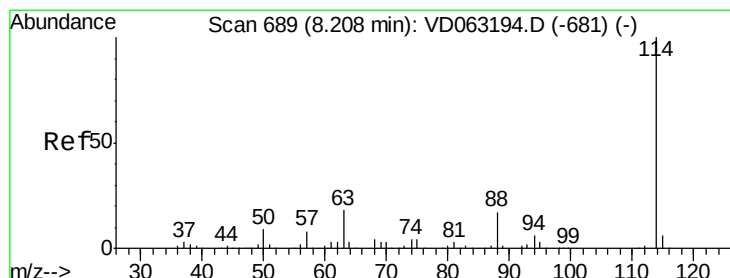
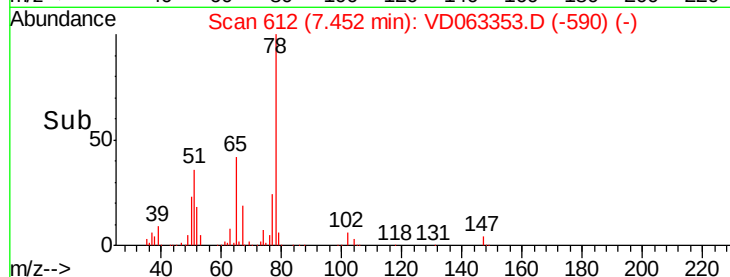
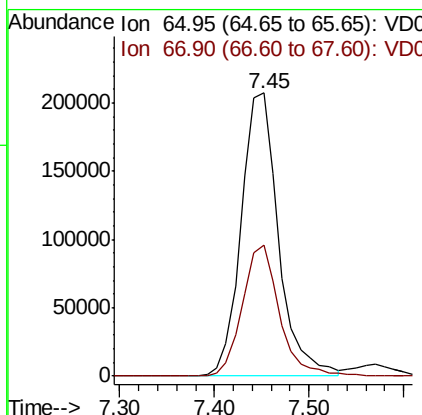
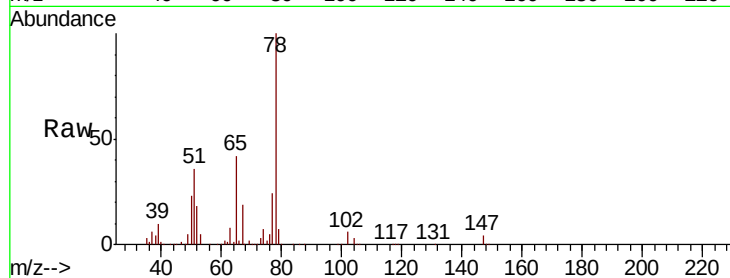




#33
 1,2-Dichloroethane-d4
 Concen: 47.054 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

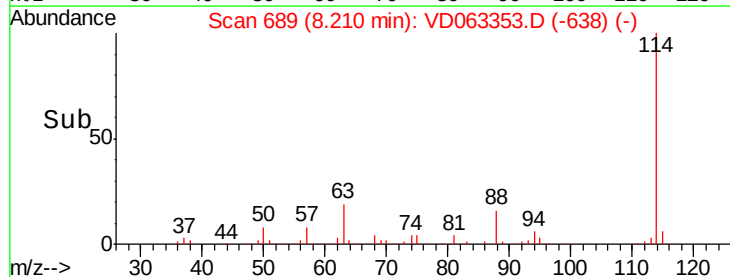
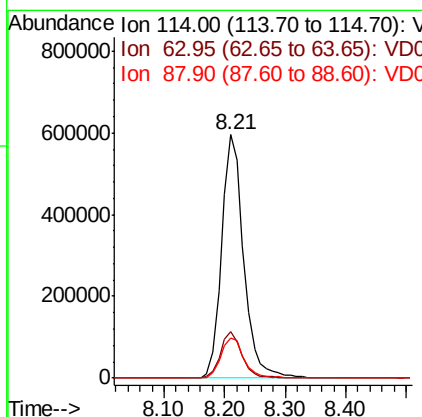
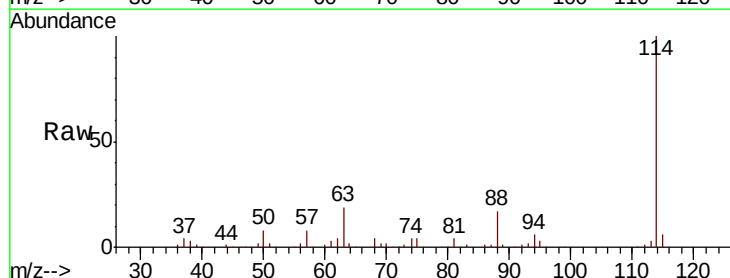
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

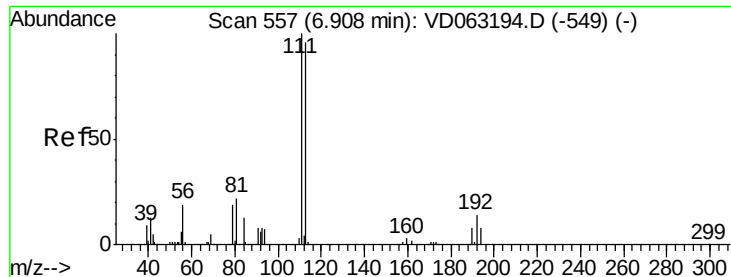
Tot Ion: 65 Resp: 568354
 Ion Ratio Lower Upper
 65 100
 67 46.2 0.0 85.8



#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





#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

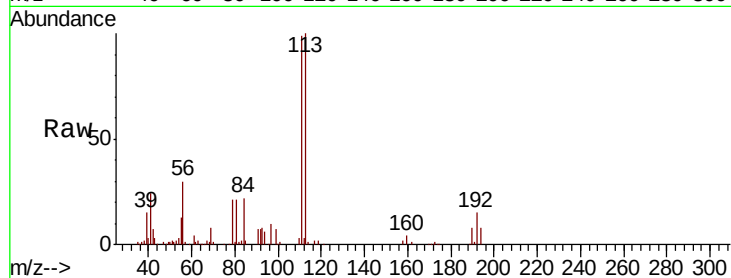
Tot Ion:113 Resp: 662074

Ion Ratio Lower Upper

113 100

111 98.7 83.2 124.8

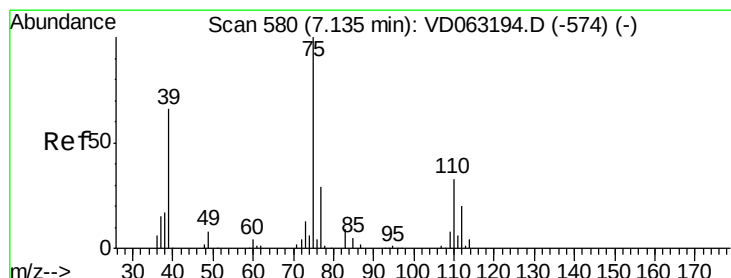
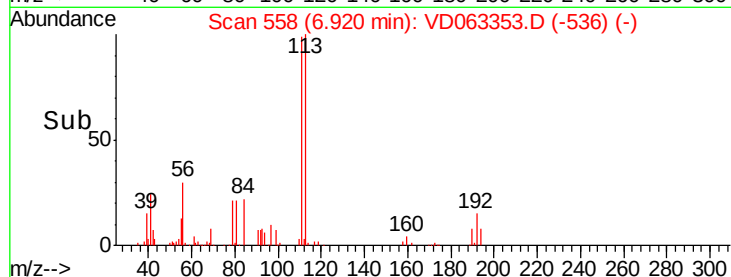
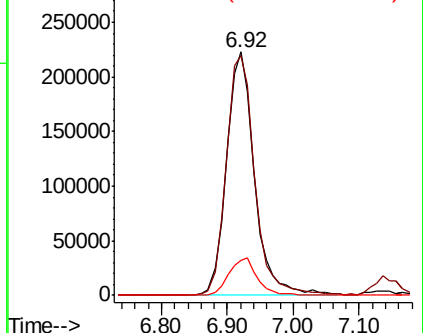
192 14.5 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 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

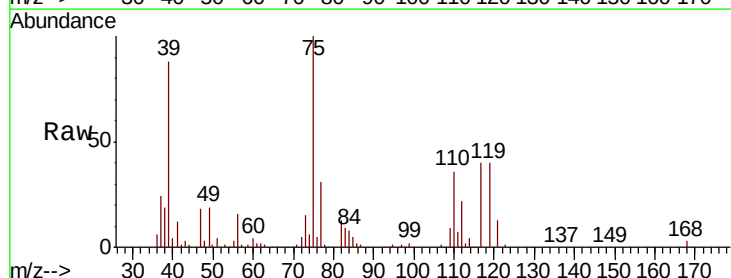
Tgt Ion: 75 Resp: 716561

Ion Ratio Lower Upper

75 100

110 36.0 16.1 48.2

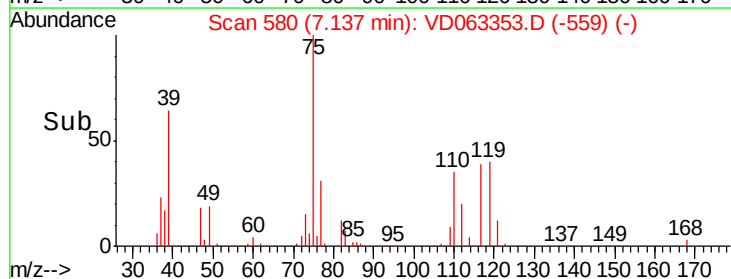
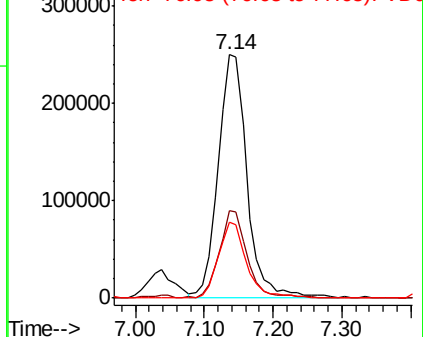
77 31.5 22.7 34.1

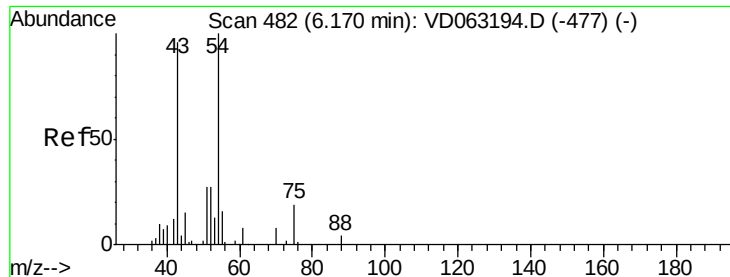


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

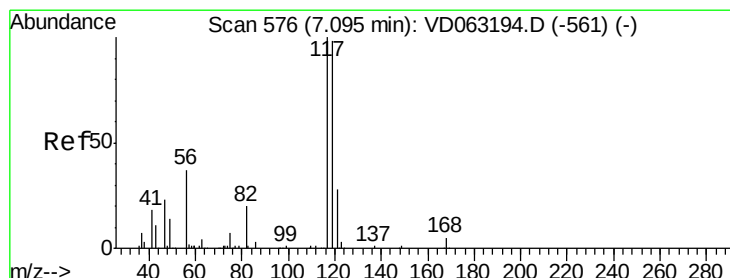
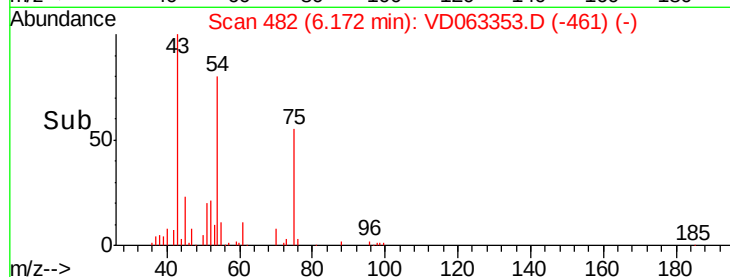
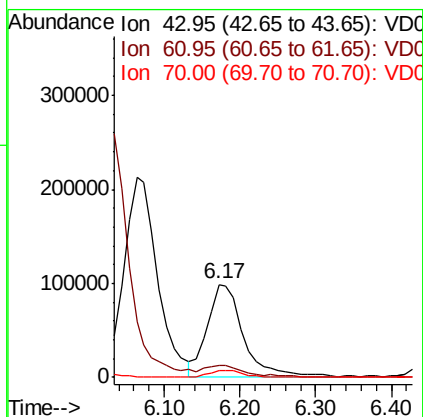
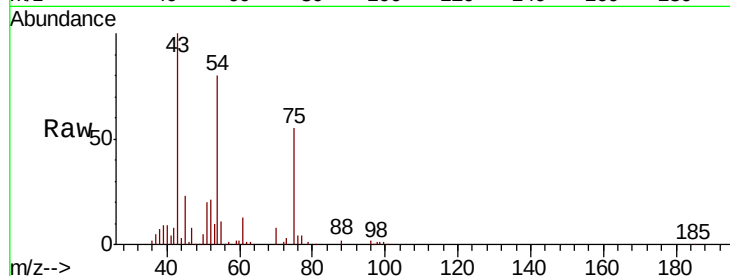




#37
Ethyl Acetate
Concen: 51.501 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

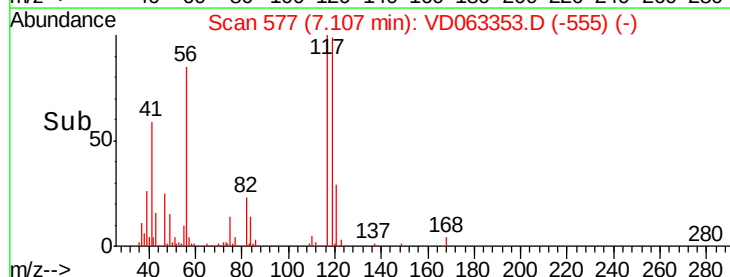
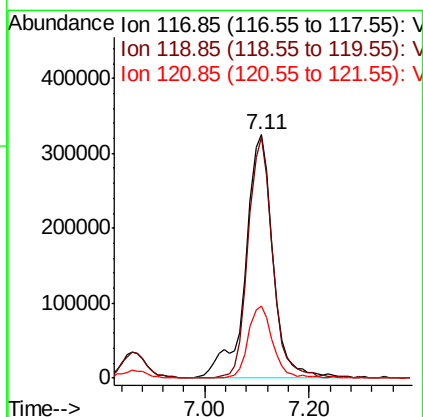
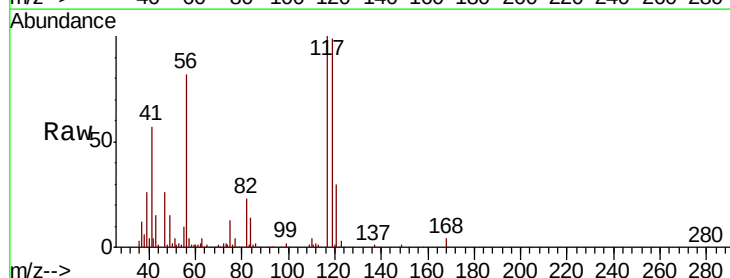
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

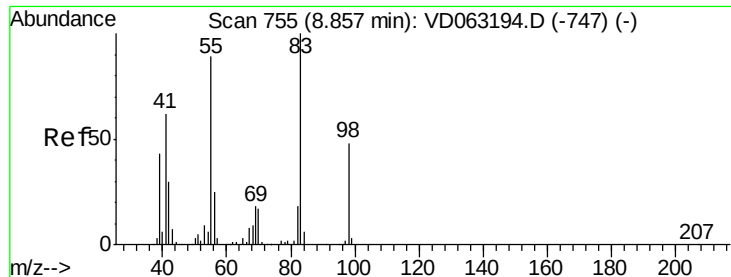
Tot Ion: 43 Resp: 317165
Ion Ratio Lower Upper
43 100
61 13.3 11.3 16.9
70 7.6 5.1 7.7



#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

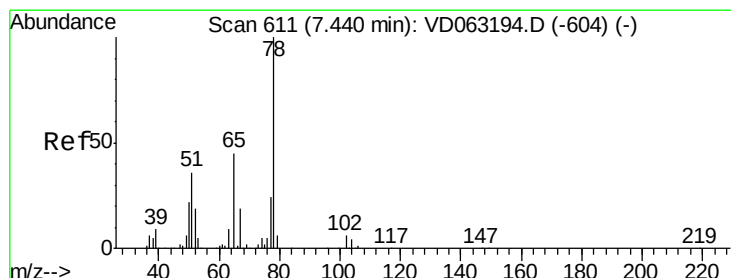
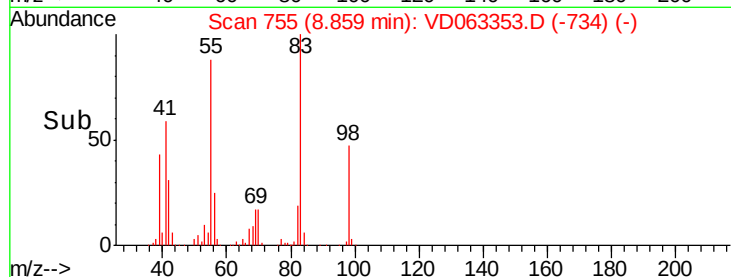
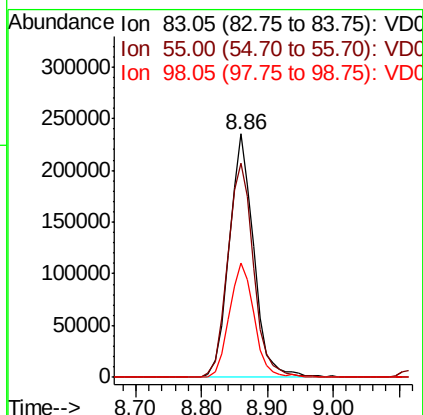
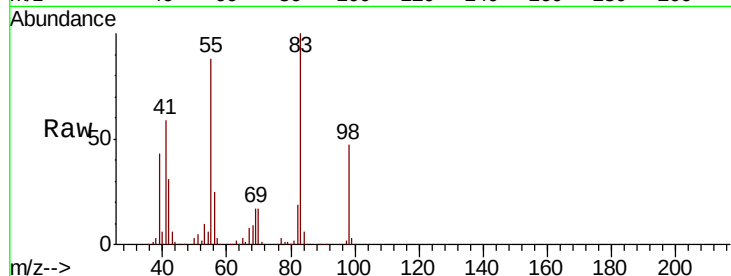




#39
Methylvlcyclohexane
Concen: 53.915 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

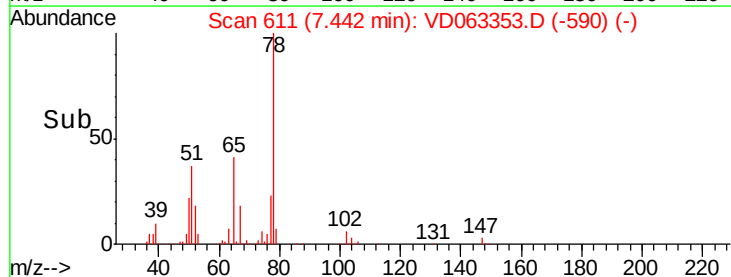
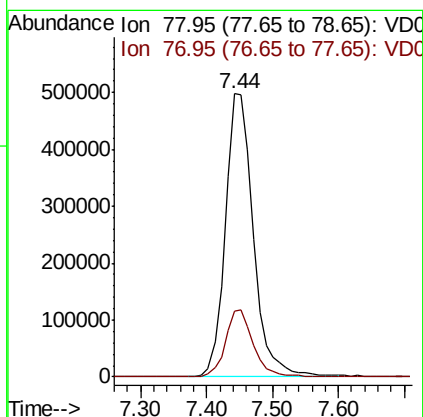
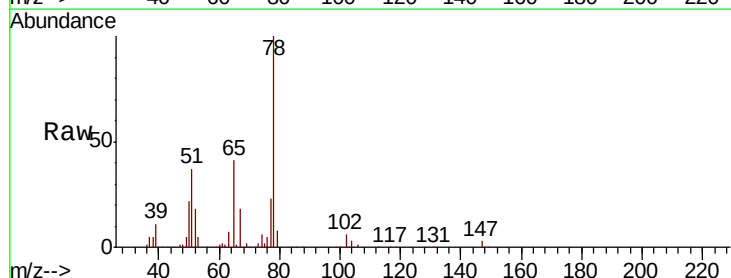
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

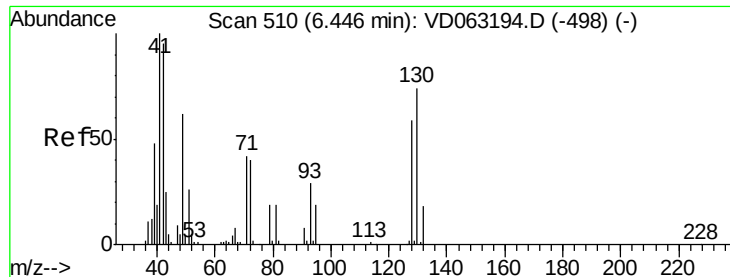
Tot Ion: 83 Resp: 615757
Ion Ratio Lower Upper
83 100
55 87.7 71.1 106.7
98 47.0 38.5 57.7



#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

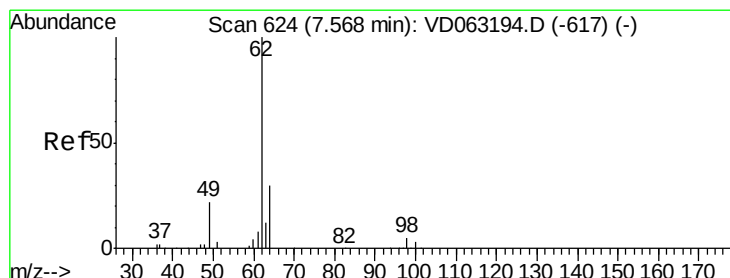
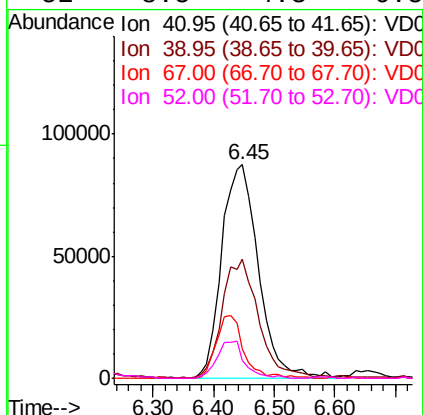
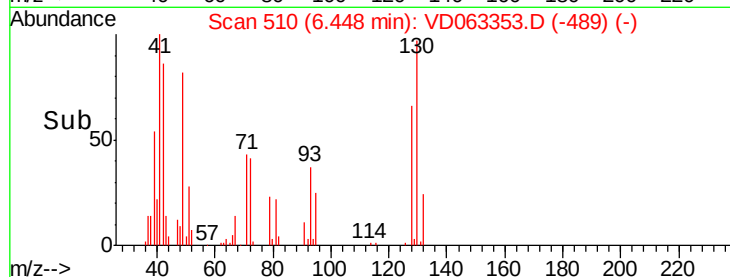
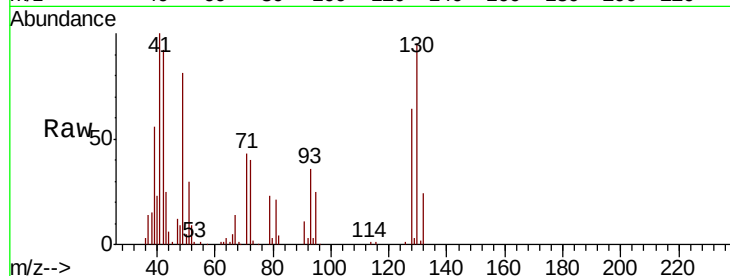




#41
Methacrylonitrile
Concen: 50.037 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

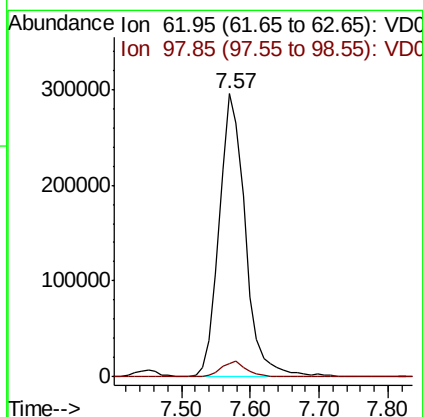
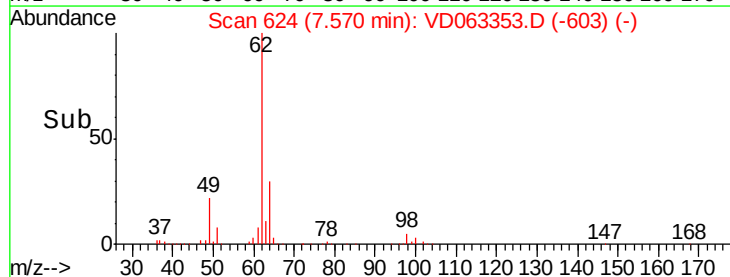
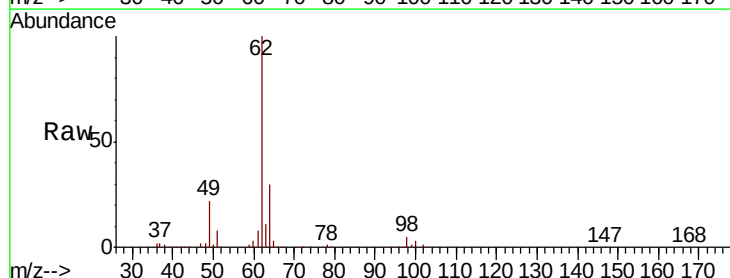
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

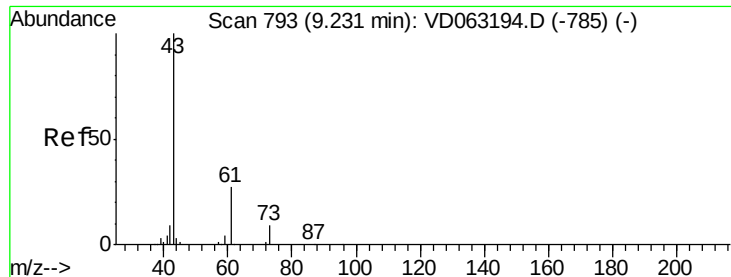
Tot Ion: 41 Resp: 368609
Ion Ratio Lower Upper
41 100
39 55.6 38.4 57.6
67 13.7 6.7 10.1#
52 8.5 4.3 6.5#



#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





#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

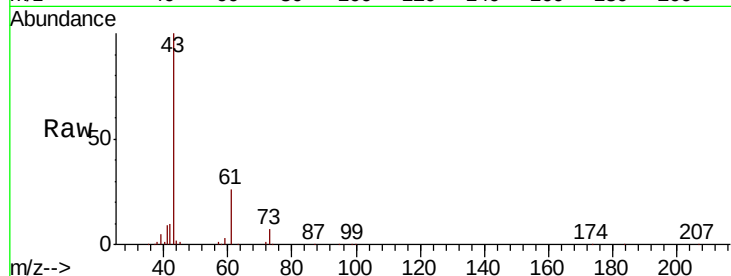
Tot Ion: 43 Resp: 413269

Ion Ratio Lower Upper

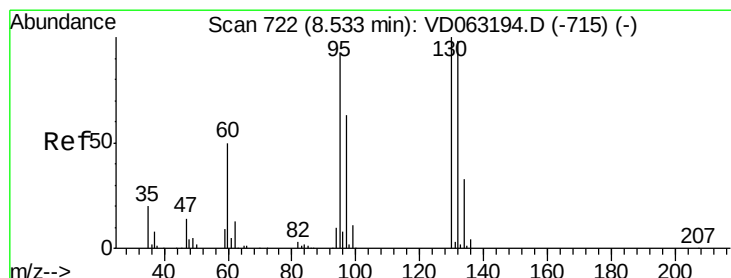
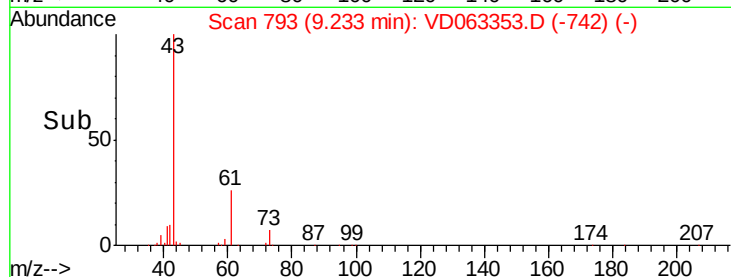
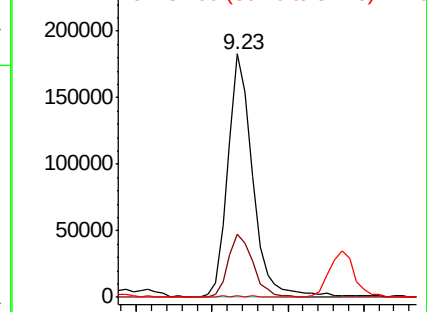
43 100

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

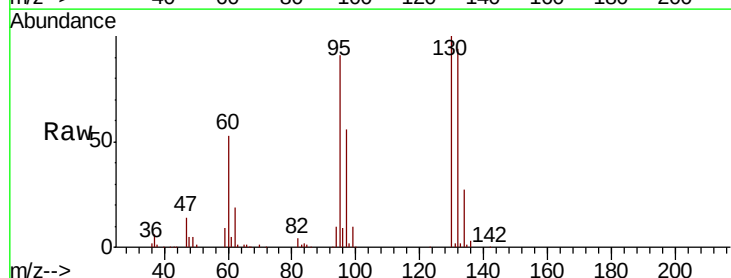
Acq: 3 Aug 2019 11:15

Tgt Ion:130 Resp: 600358

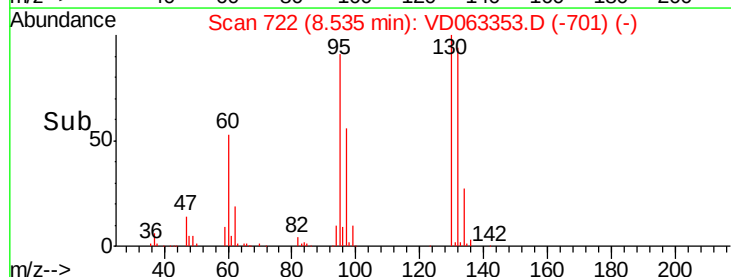
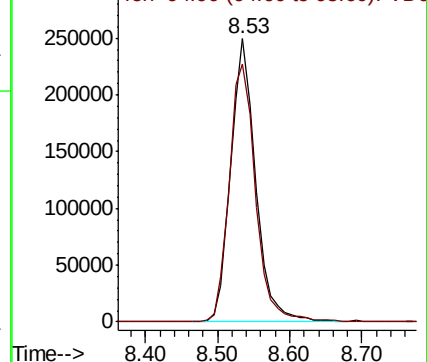
Ion Ratio Lower Upper

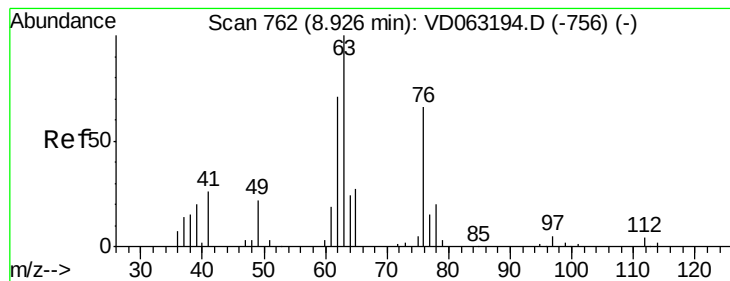
130 100

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 :

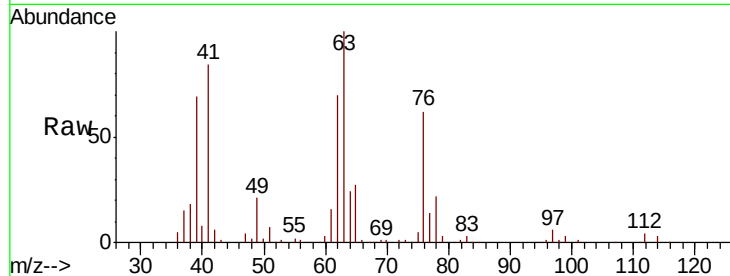
VSTDCCC050

Tot Ion: 63 Resp: 385218

Ion Ratio Lower Upper

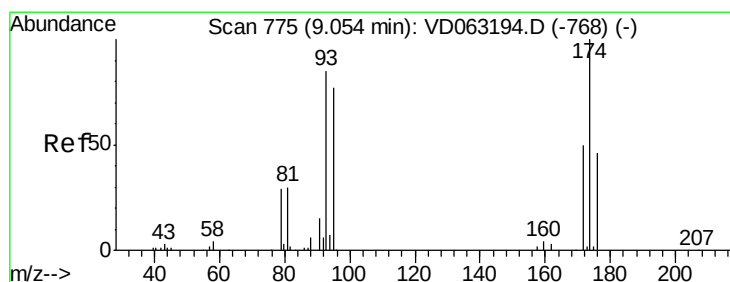
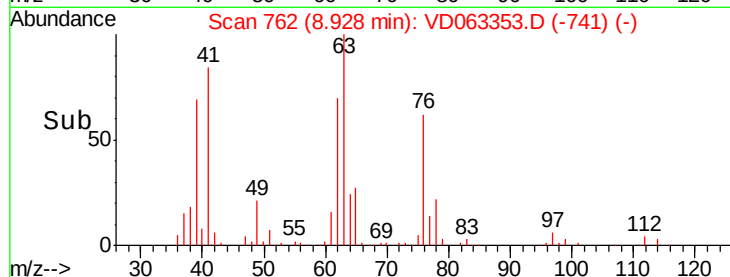
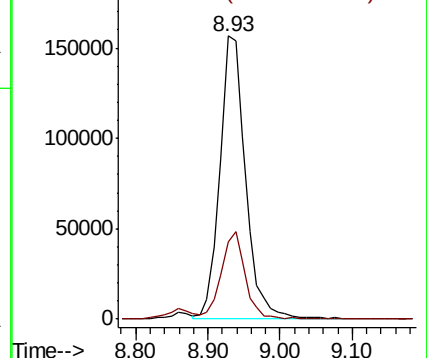
63 100

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



#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

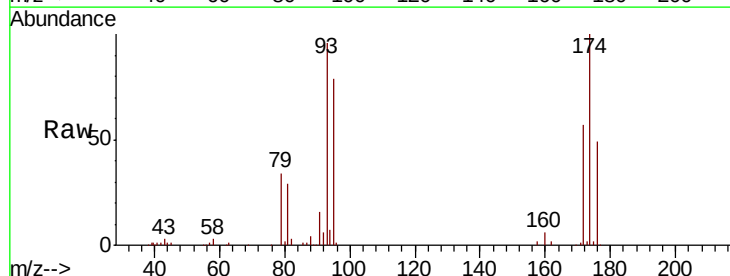
Tgt Ion: 93 Resp: 298180

Ion Ratio Lower Upper

93 100

95 82.6 72.8 109.2

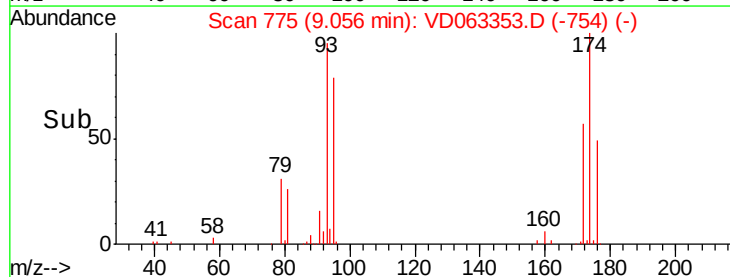
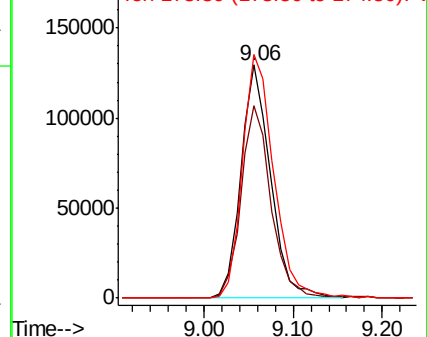
174 104.5 94.4 141.6

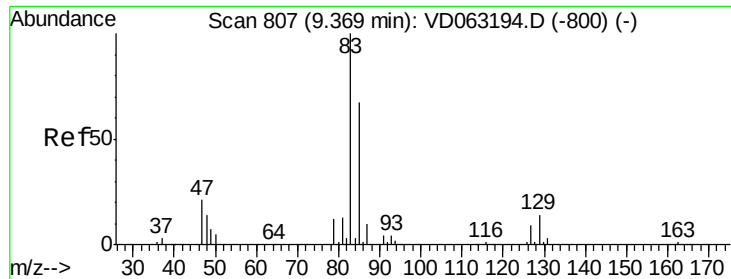


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#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

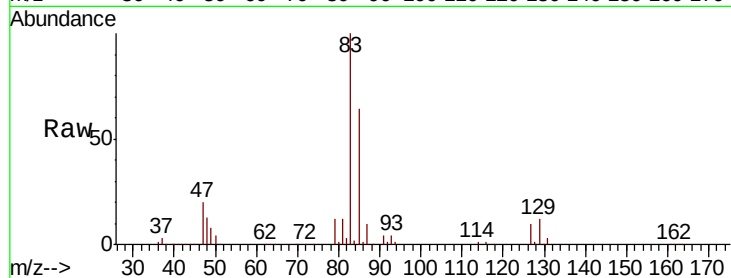
Tot Ion: 83 Resp: 818598

Ion Ratio Lower Upper

83 100

85 64.3 53.6 80.4

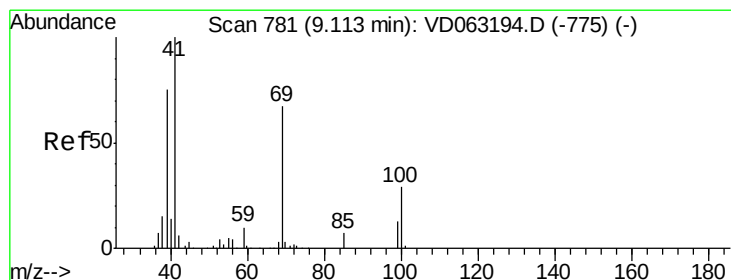
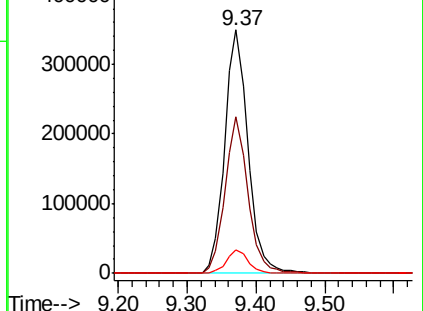
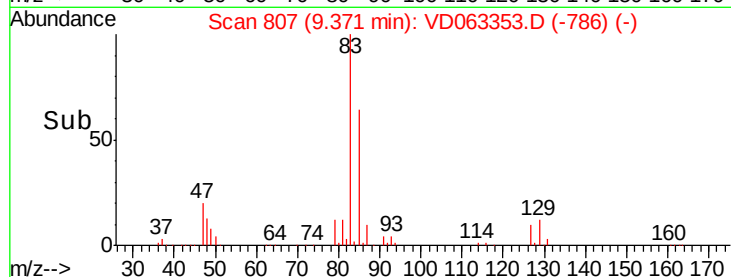
127 9.8 7.2 10.8



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

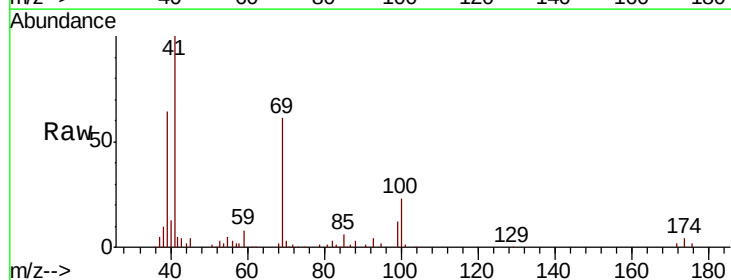
Tgt Ion: 41 Resp: 276334

Ion Ratio Lower Upper

41 100

69 60.7 53.4 80.0

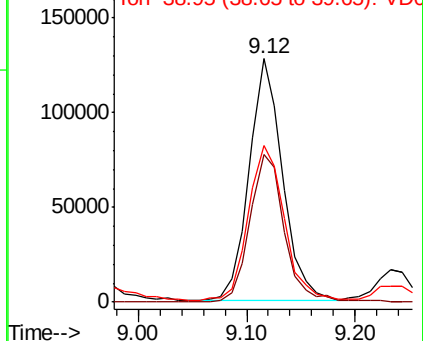
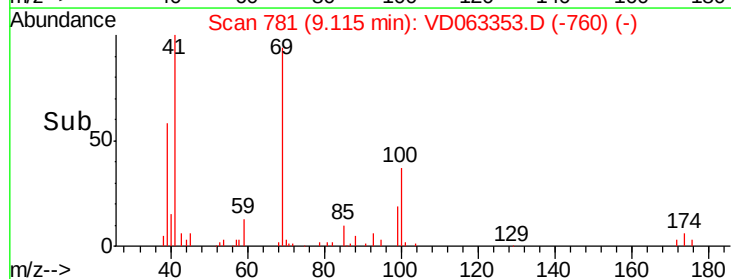
39 64.2 60.3 90.5

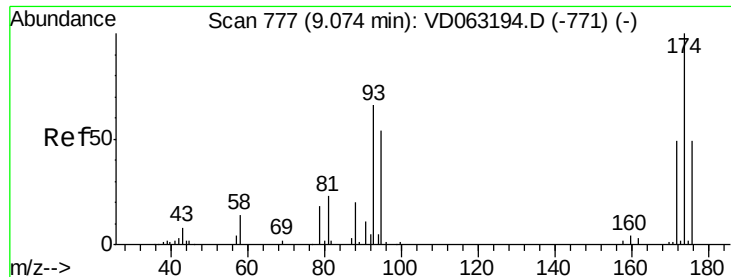


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

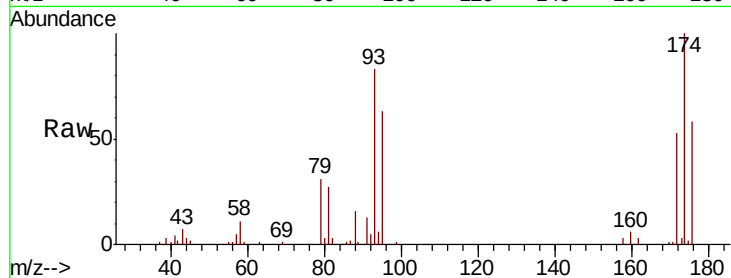




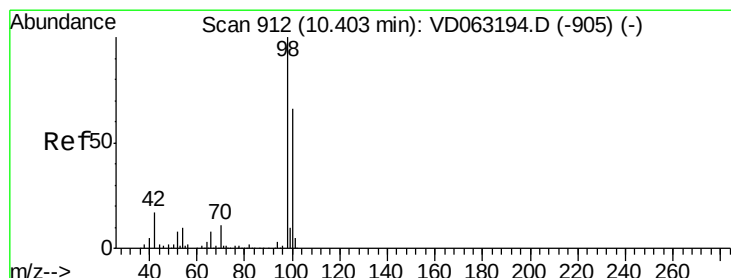
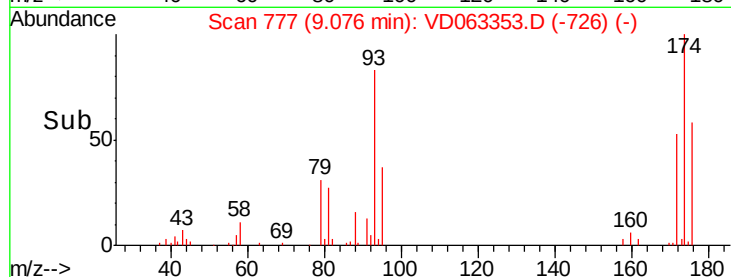
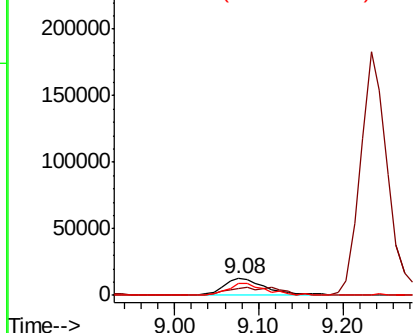
#49
1,4-Dioxane
Concen: 1016.495 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

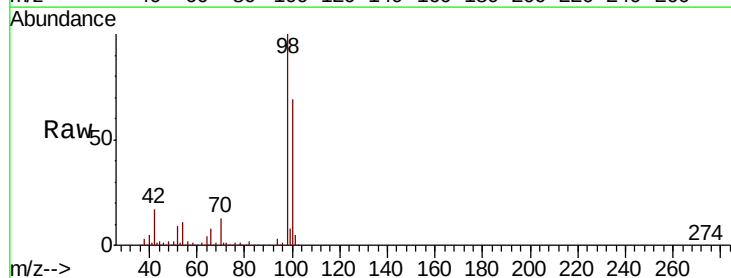


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

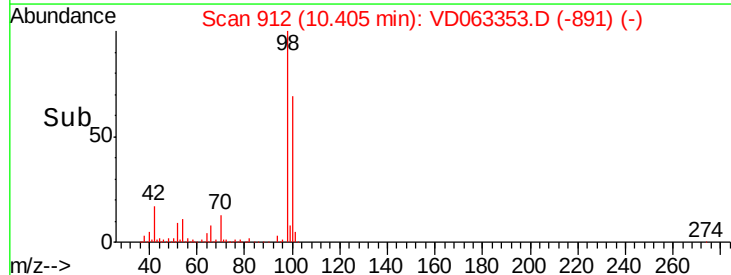
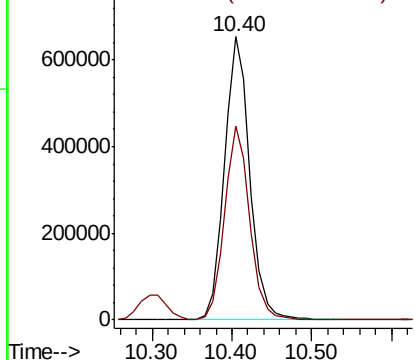


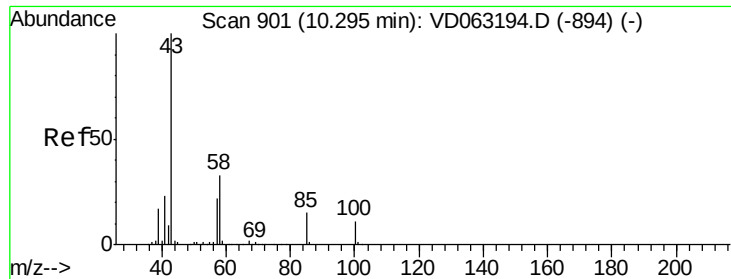
#50
Toluene-d8
Concen: 50.910 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

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

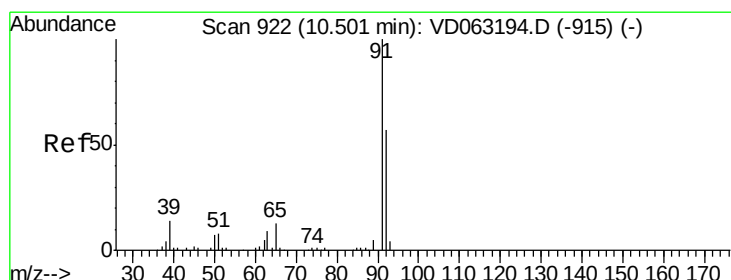
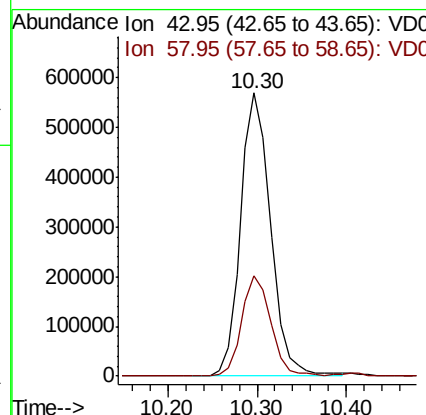
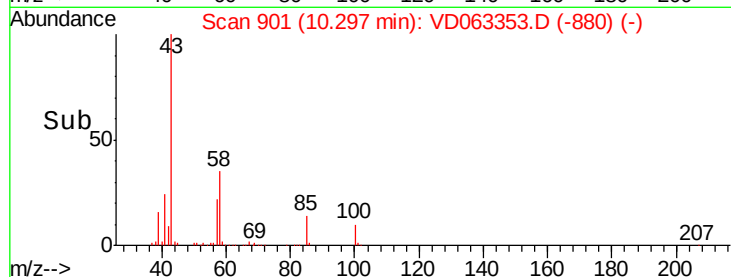
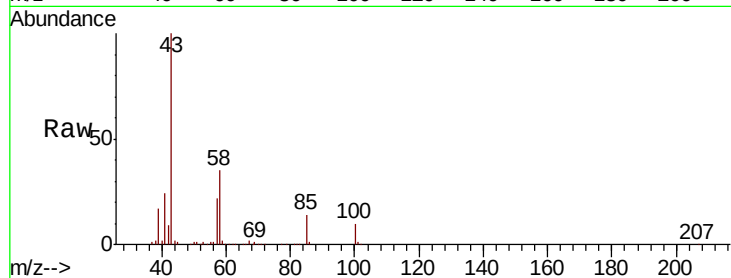




#51
4-Methyl-2-Pentanone
Concen: 249.519 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

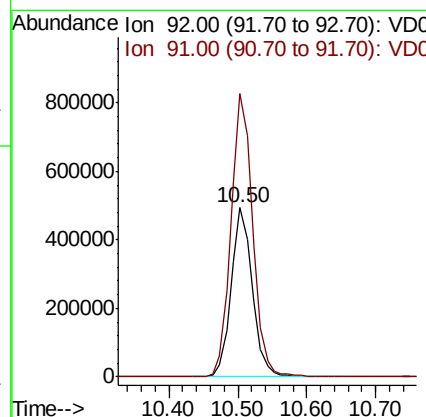
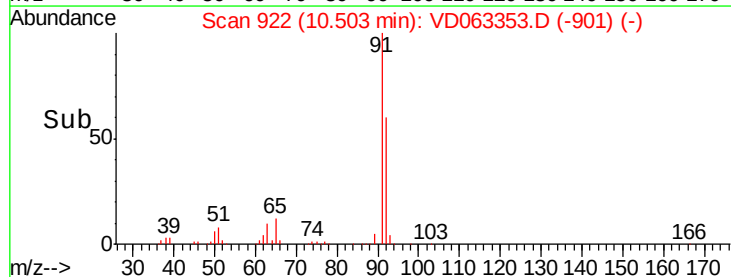
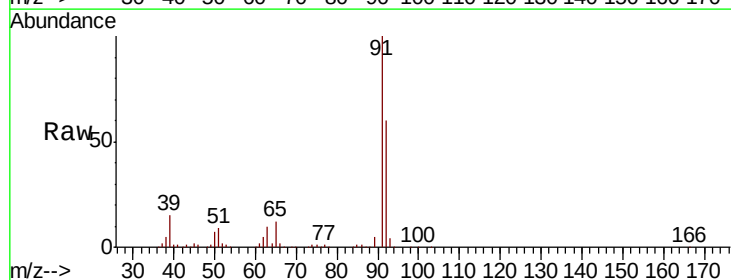
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

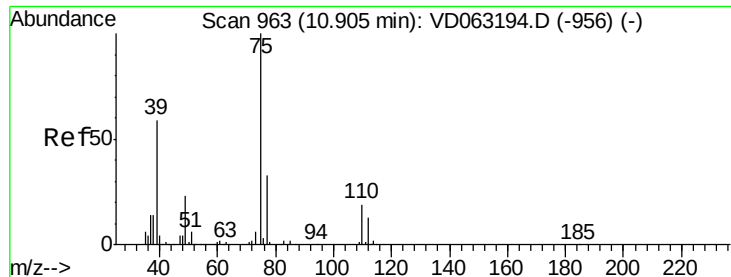
Tot Ion: 43 Resp: 1334931
Ion Ratio Lower Upper
43 100
58 35.3 26.2 39.2



#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





#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 :

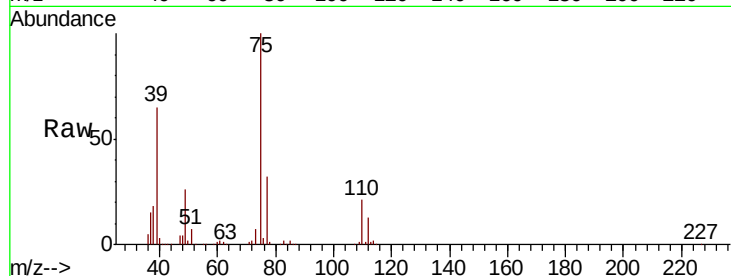
VSTDCCC050

Tot Ion: 75 Resp: 654423

Ion Ratio Lower Upper

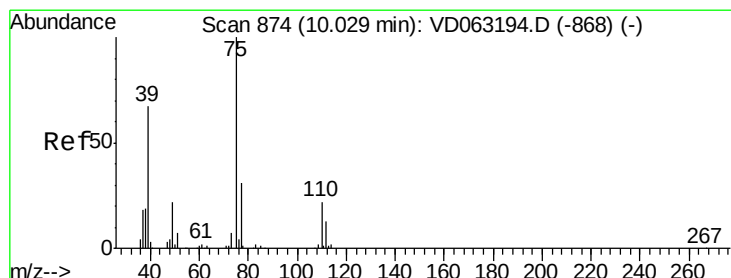
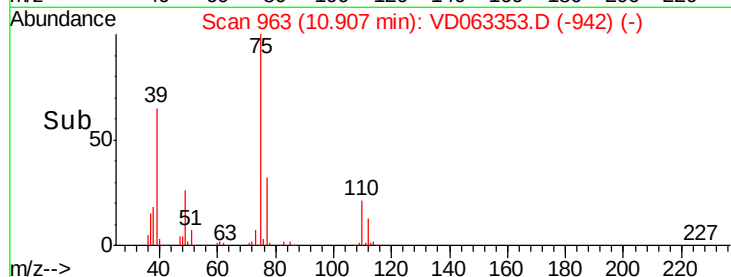
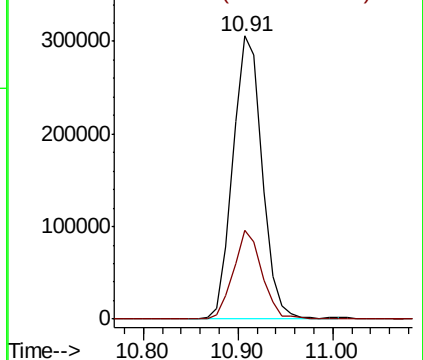
75 100

77 31.6 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#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

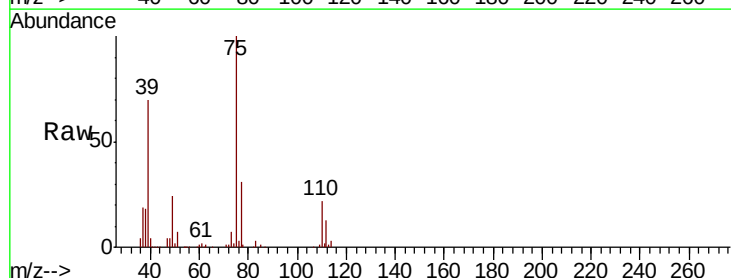
Tgt Ion: 75 Resp: 768184

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

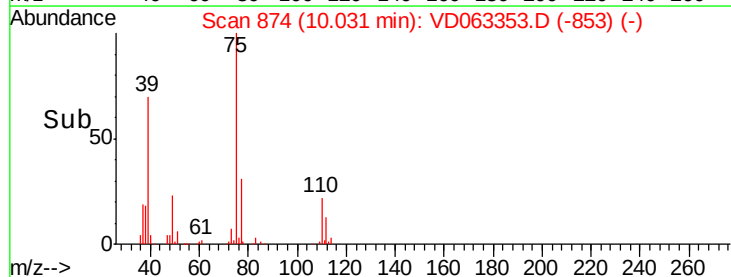
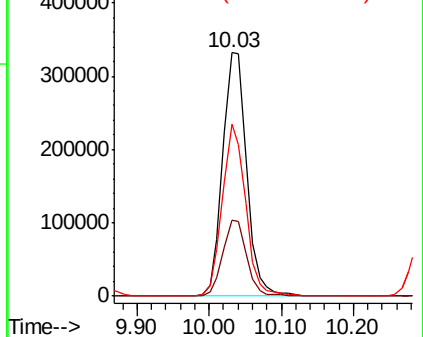
39 70.4 53.9 80.9

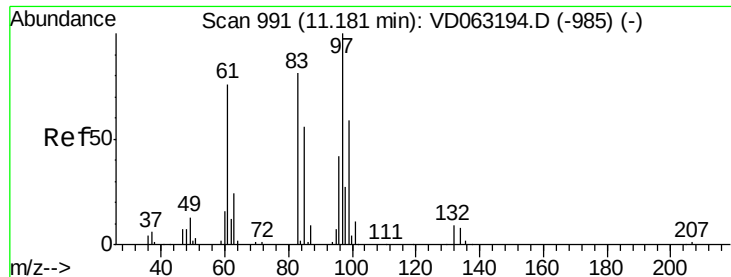


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

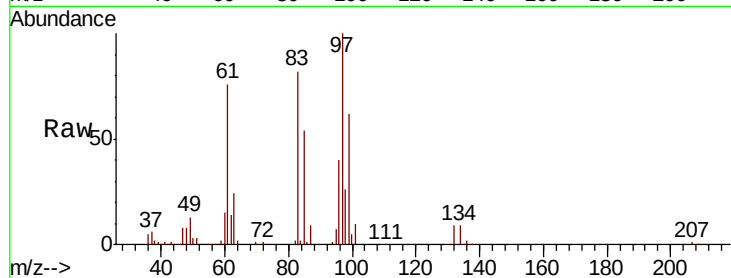




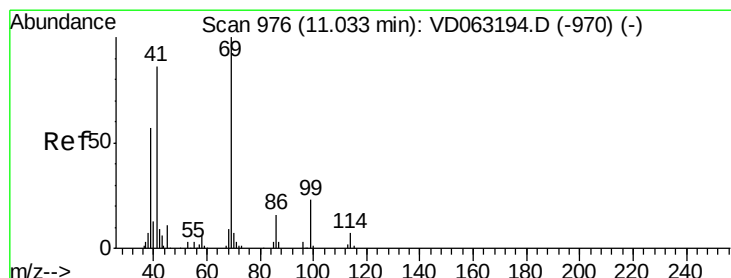
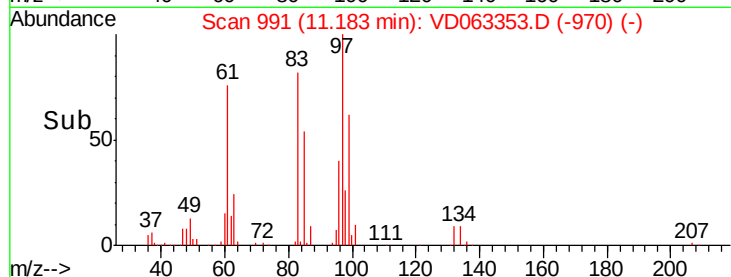
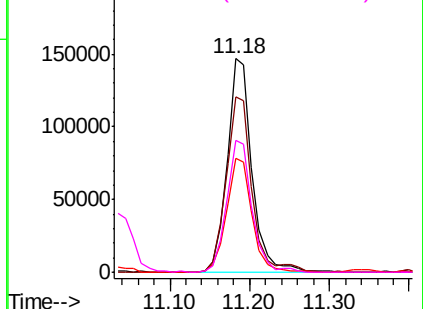
#55
 1,1,2-Trichloroethane
 Concen: 49.696 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot 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

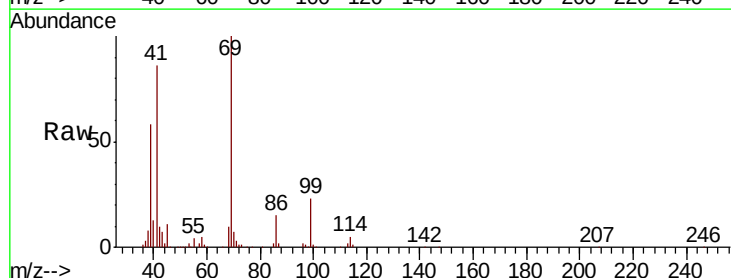


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

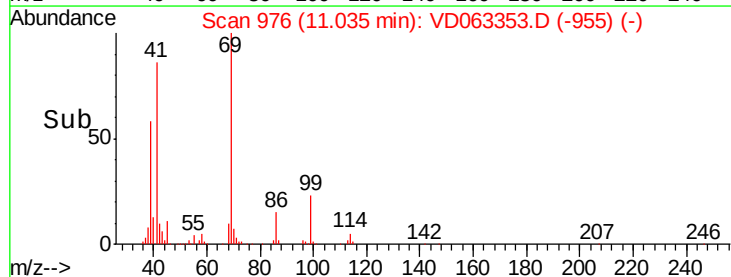
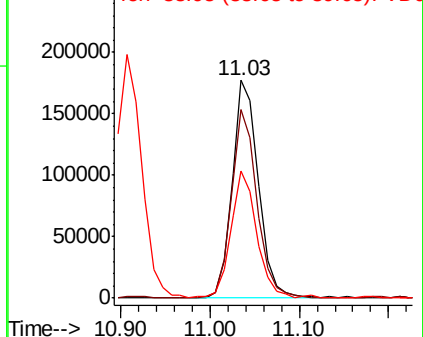


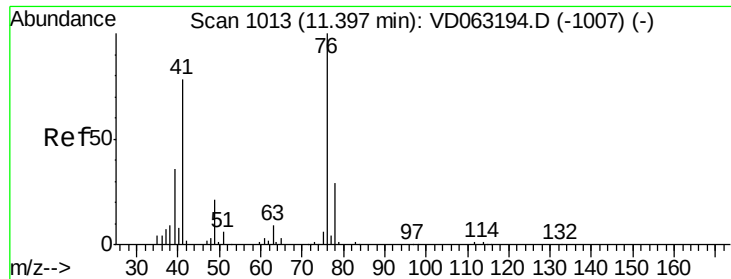
#56
 Ethyl methacrylate
 Concen: 51.714 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

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 :

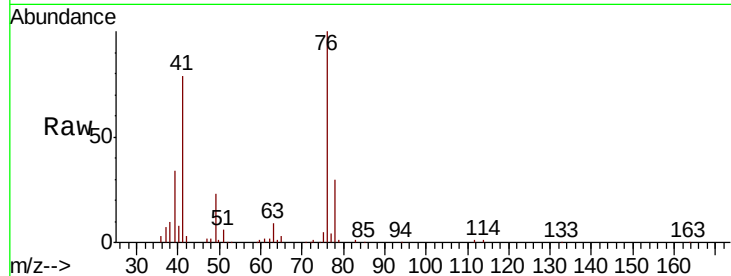
VSTDCCC050

Tot Ion: 76 Resp: 492868

Ion Ratio Lower Upper

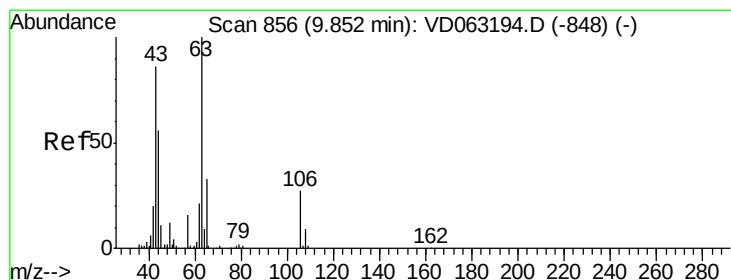
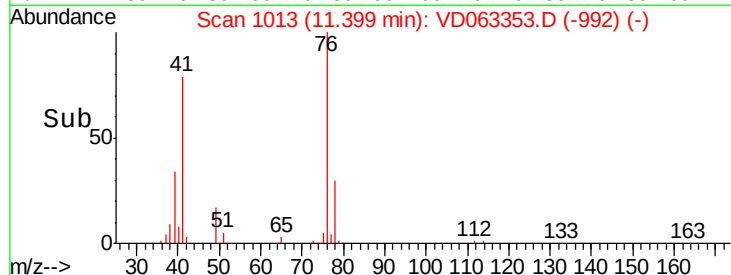
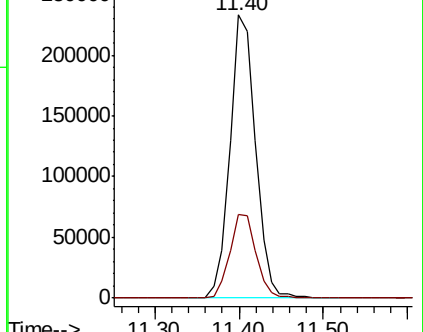
76 100

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



#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

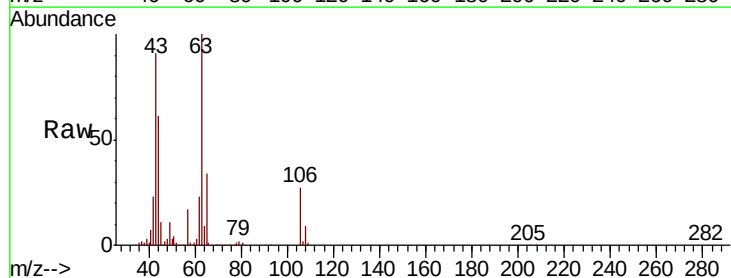
Acq: 3 Aug 2019 11:15

Tgt Ion: 63 Resp: 886885

Ion Ratio Lower Upper

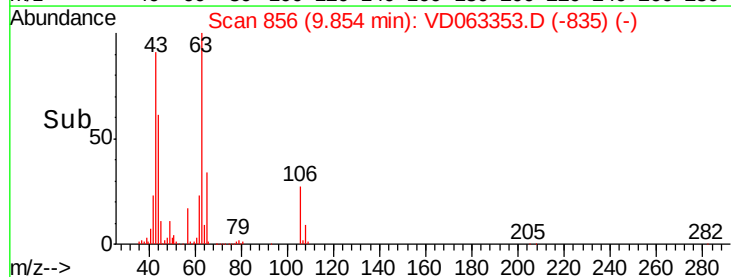
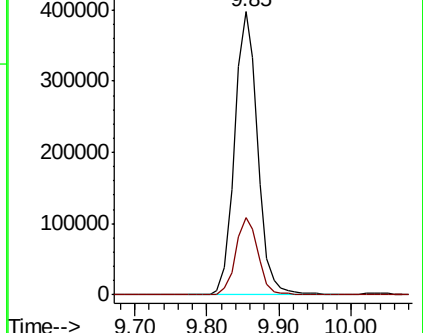
63 100

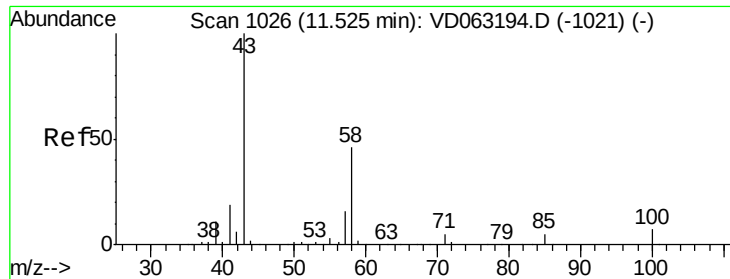
106 27.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

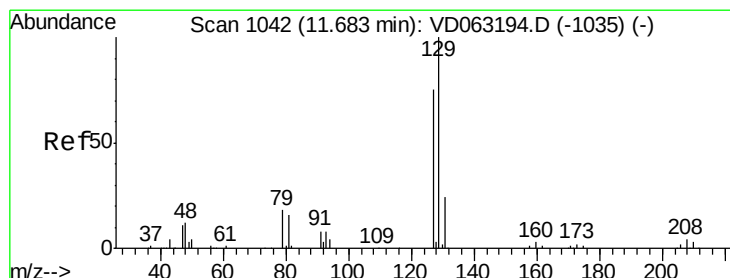
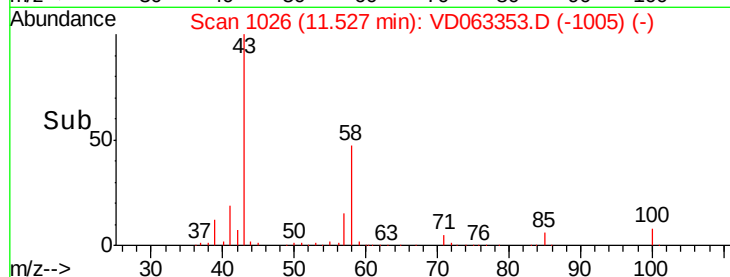
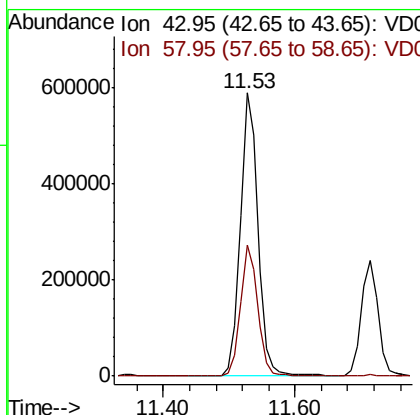
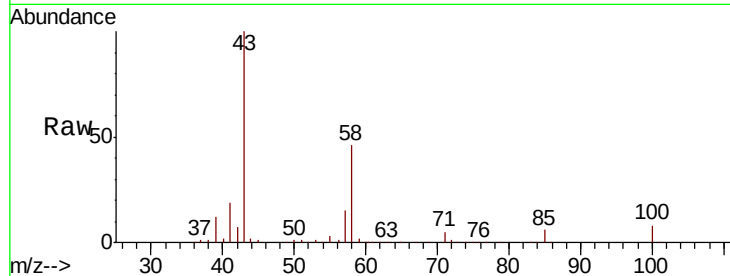




#59
2-Hexanone
Concen: 288.333 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

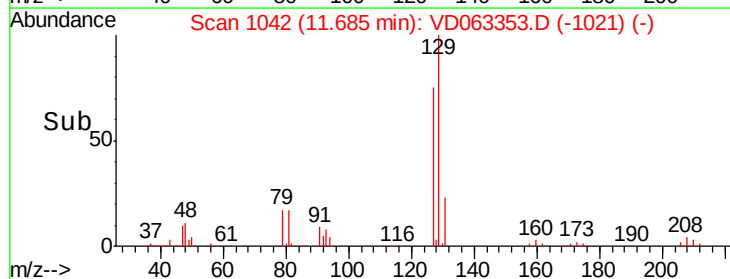
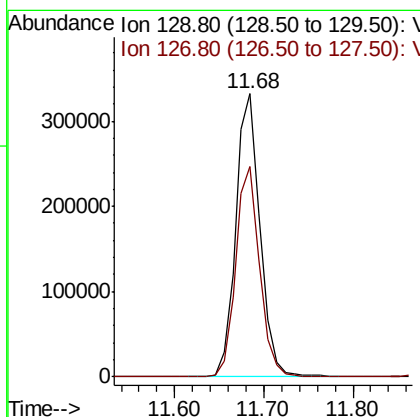
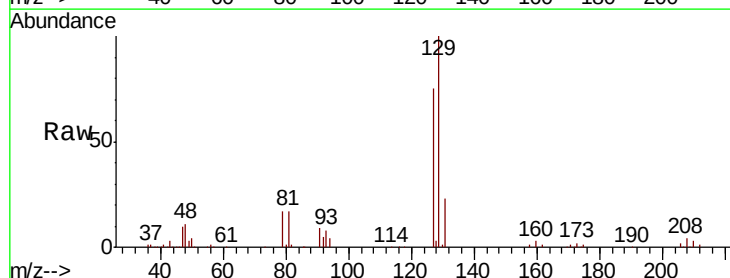
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

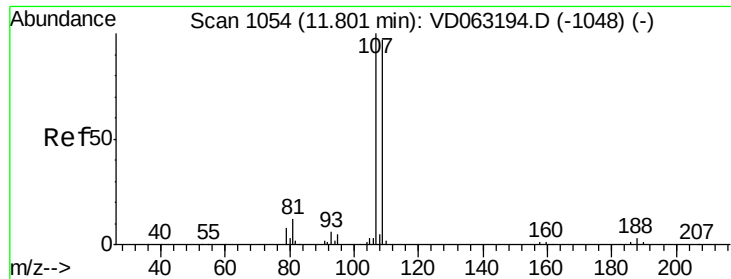
Tot Ion: 43 Resp: 1111652
Ion Ratio Lower Upper
43 100
58 46.5 22.9 68.5



#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





#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 :

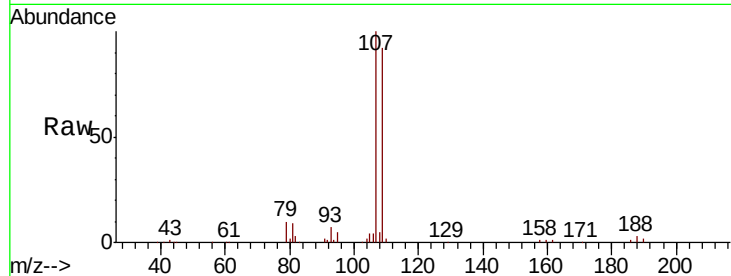
VSTDCCC050

Tot Ion:107 Resp: 402626

Ion Ratio Lower Upper

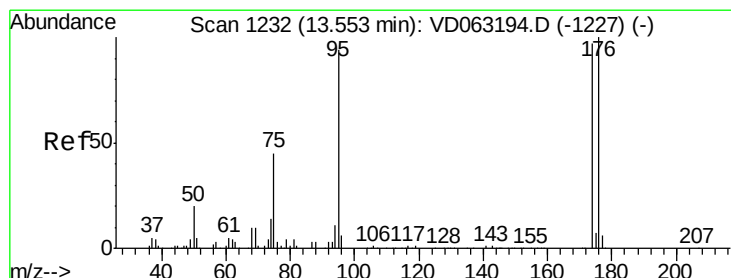
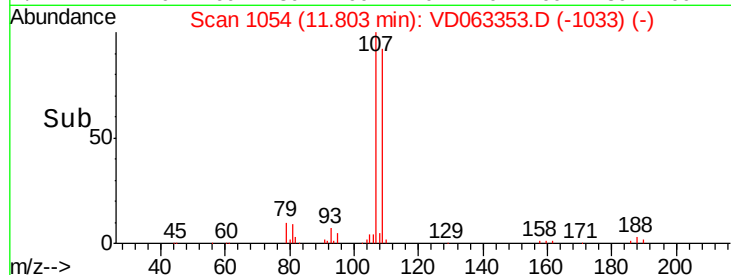
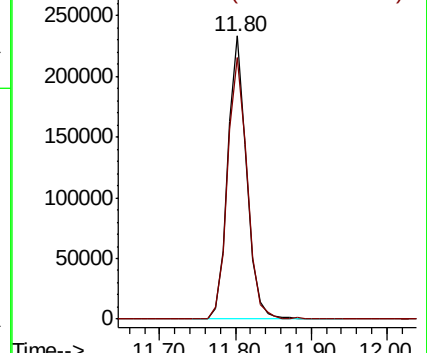
107 100

109 92.5 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 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

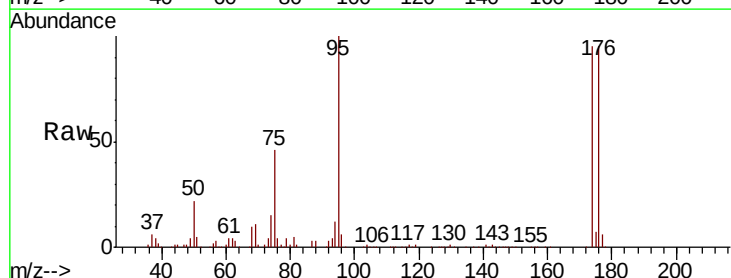
Tgt Ion: 95 Resp: 658736

Ion Ratio Lower Upper

95 100

174 95.5 0.0 205.4

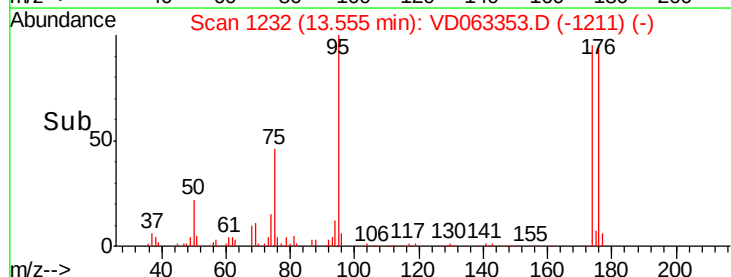
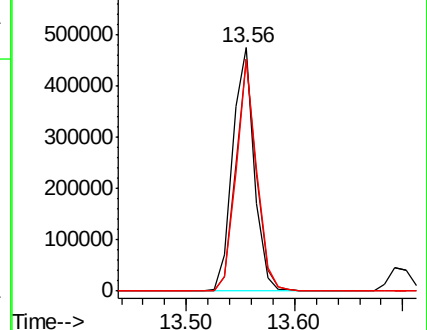
176 95.1 0.0 211.8

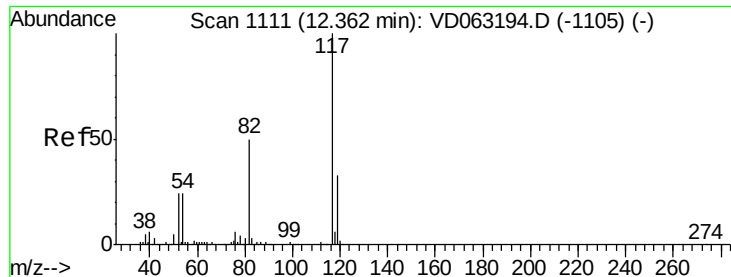


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

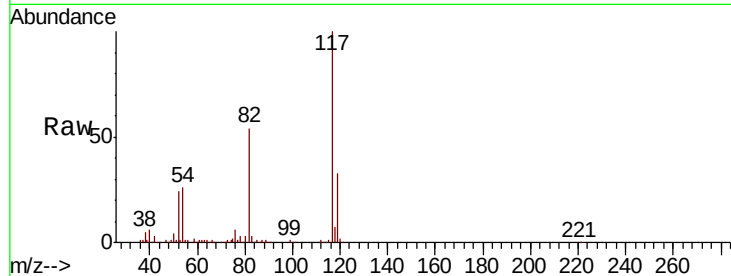




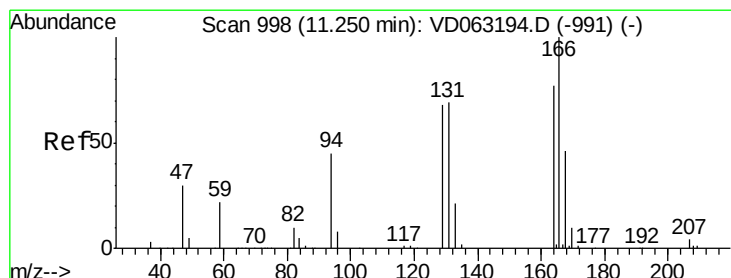
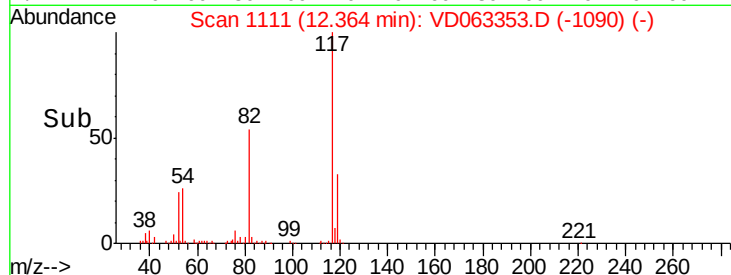
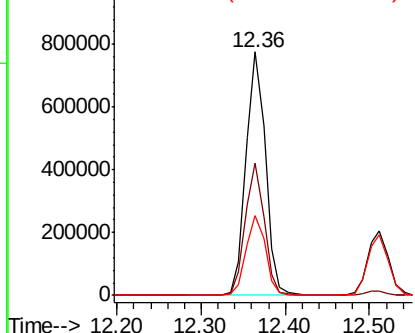
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

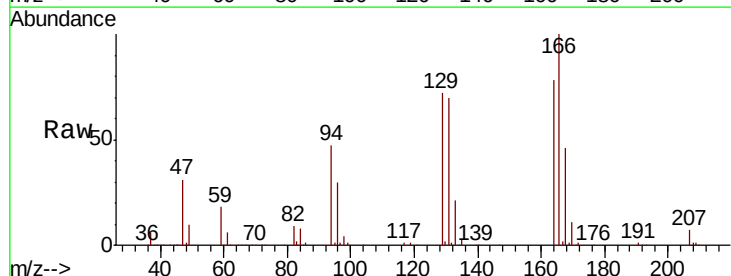


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

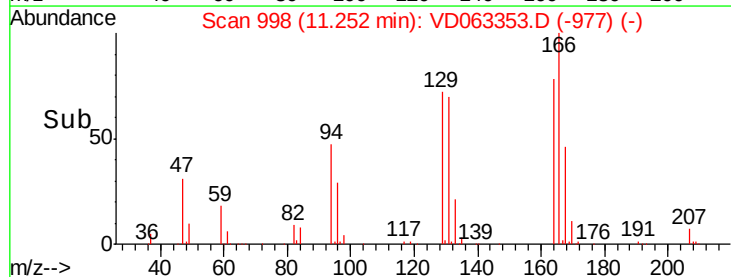
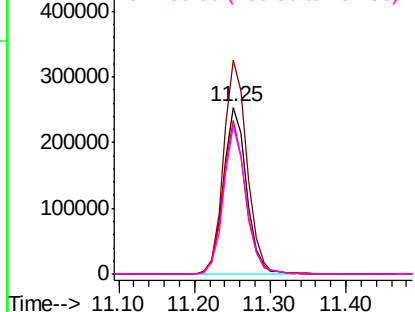


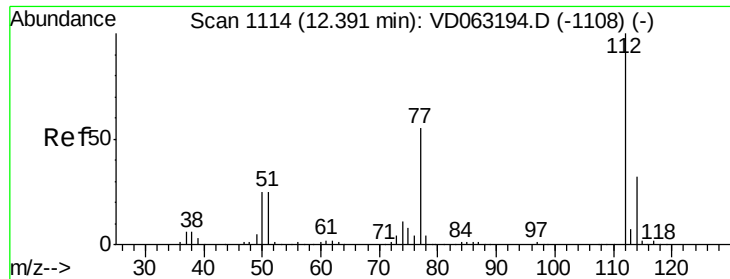
#64
Tetrachloroethene
Concen: 53.529 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

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

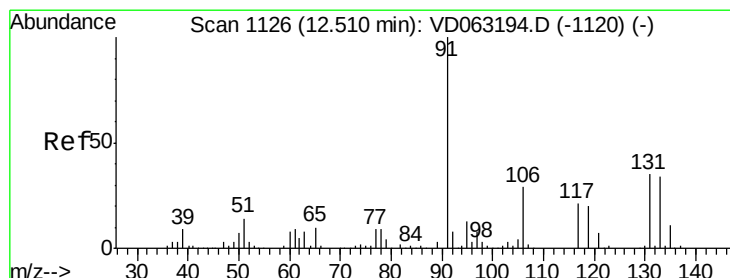
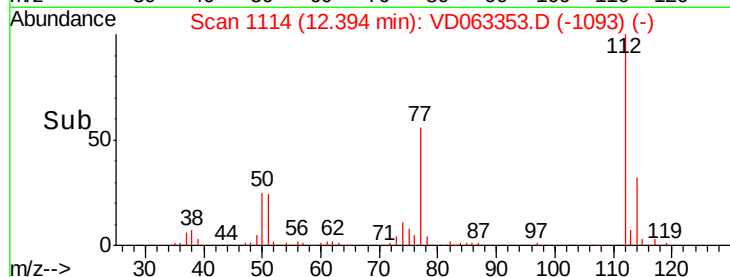
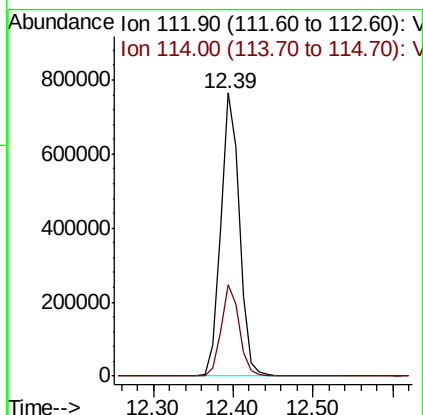
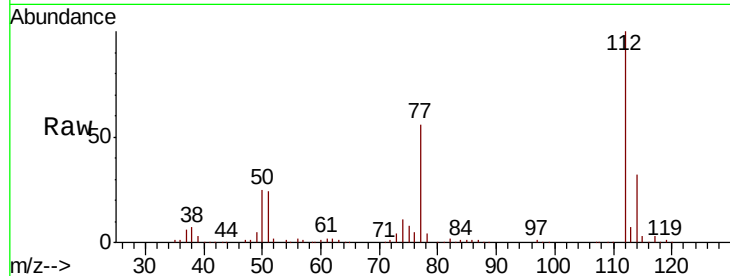




#65
Chlorobenzene
Concen: 52.283 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

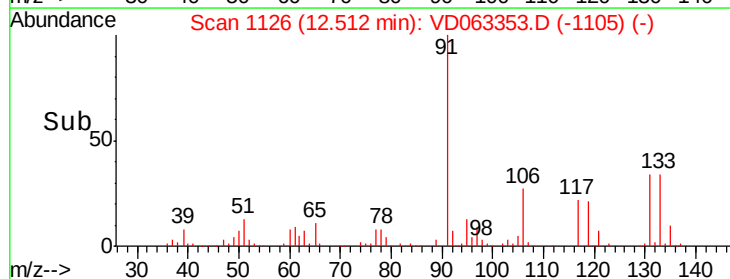
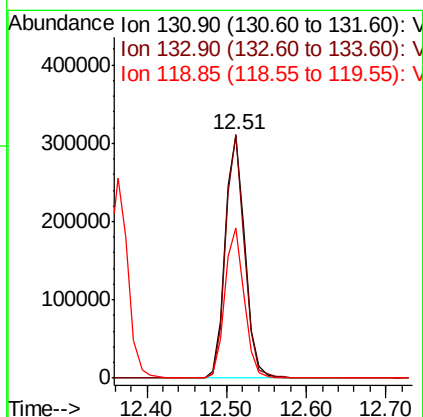
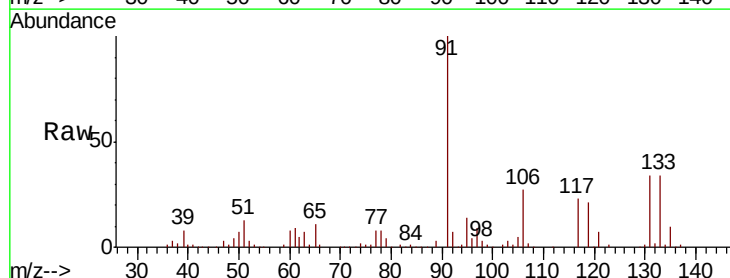
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

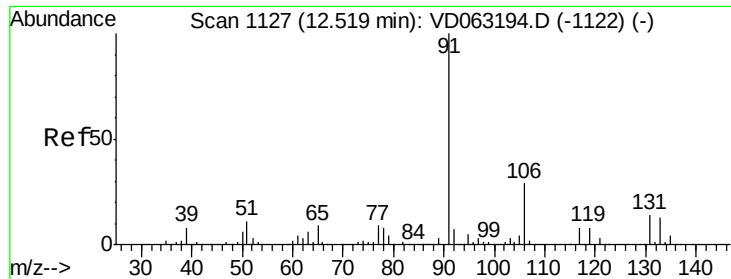
Tot Ion:112 Resp: 1267989
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#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

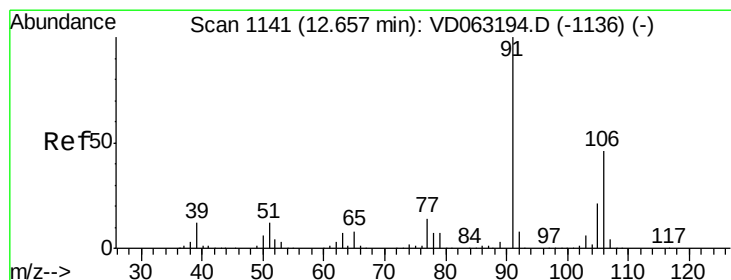
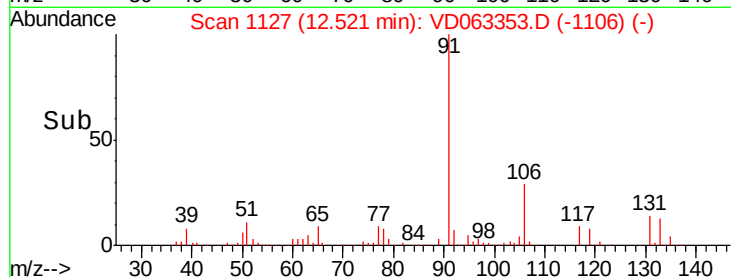
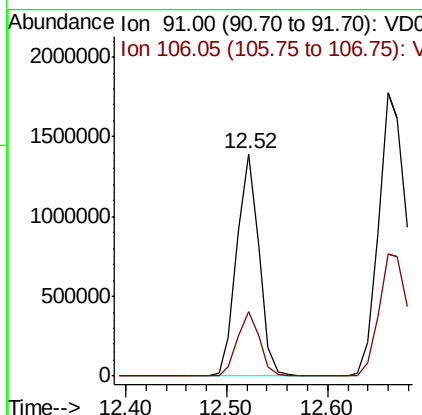
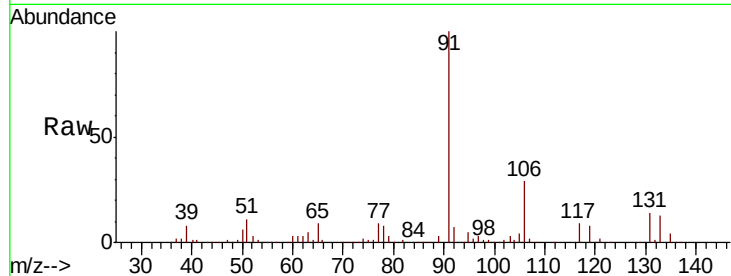




#67
Ethyl Benzene
Concen: 51.905 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

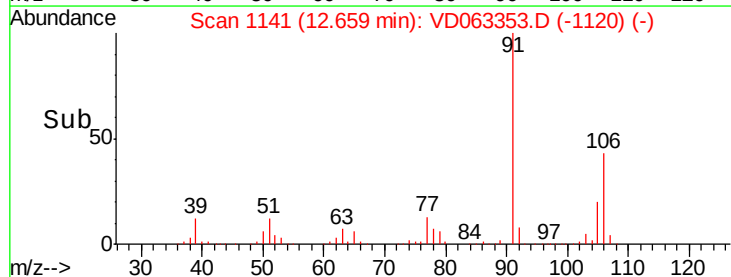
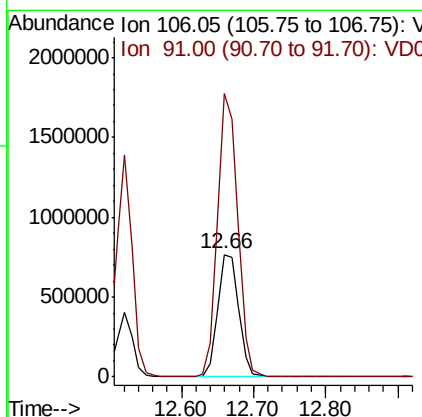
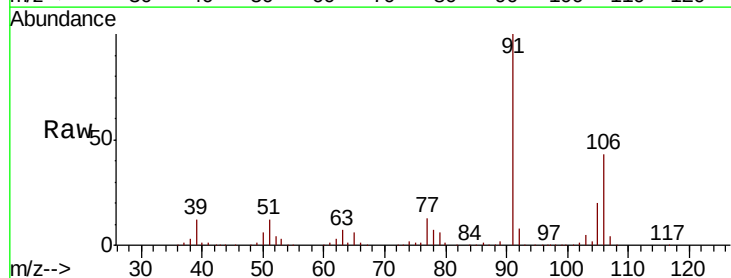
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

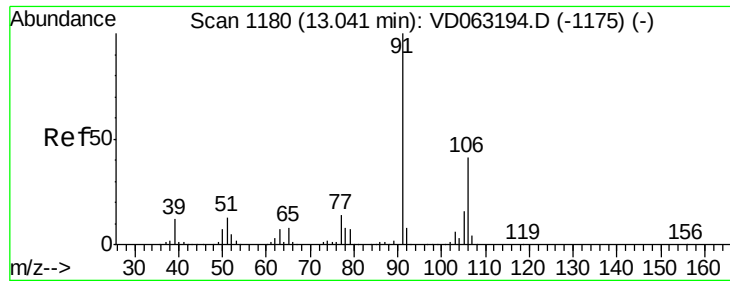
Tot Ion: 91 Resp: 2138427
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3



#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

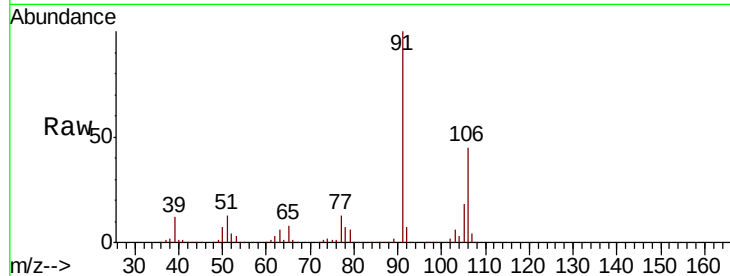




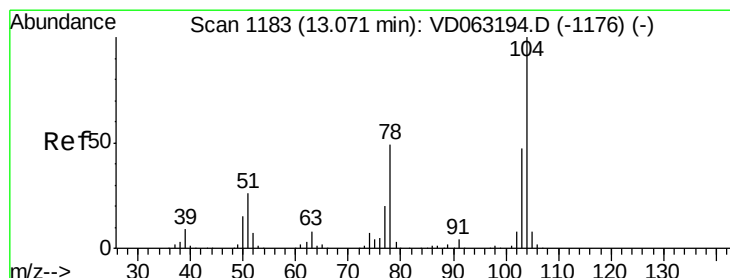
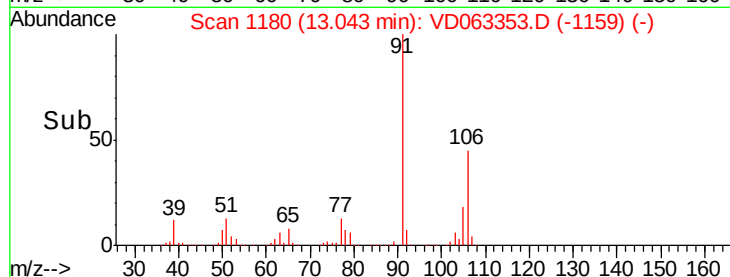
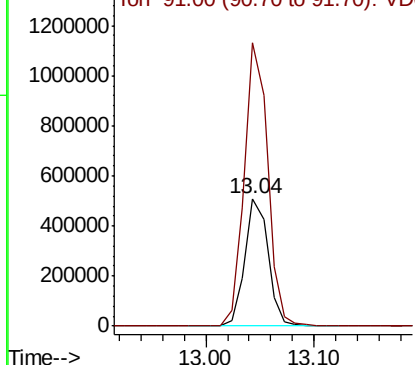
#69
o-Xylene
Concen: 55.047 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

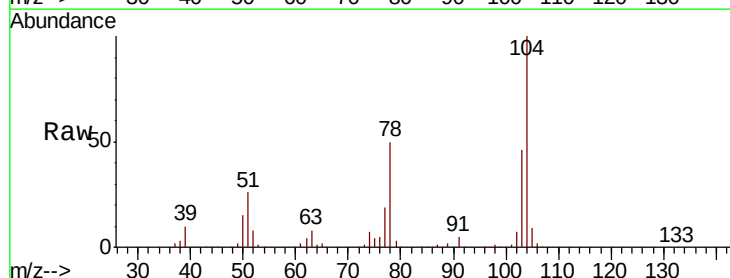


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

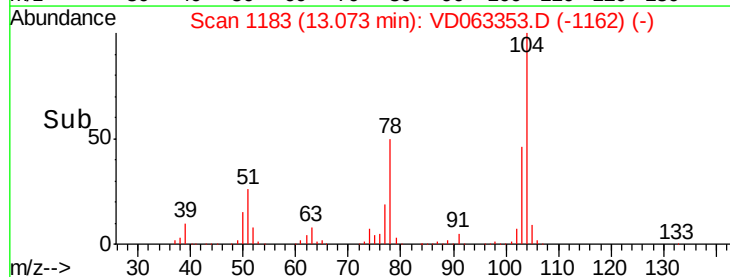
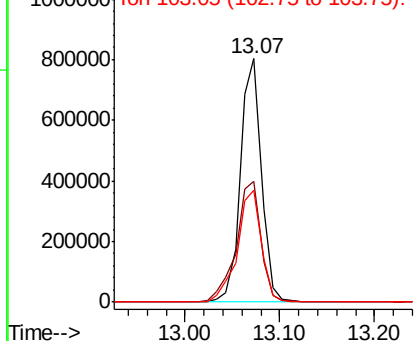


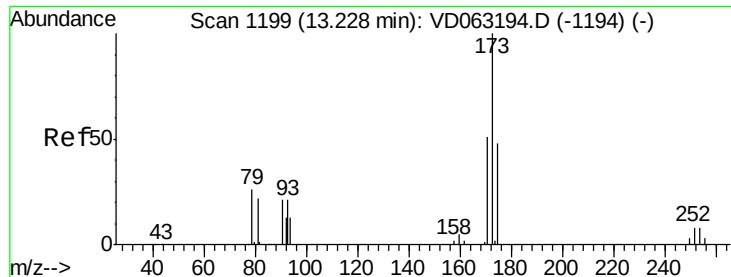
#70
Styrene
Concen: 49.946 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

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



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

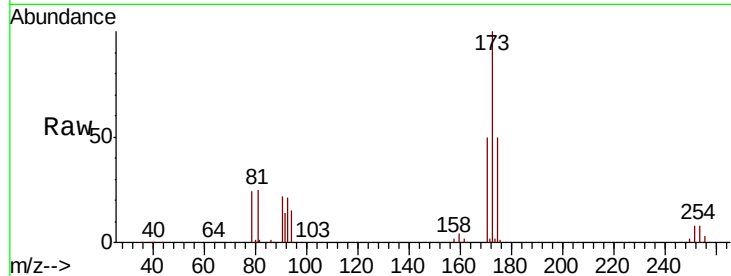




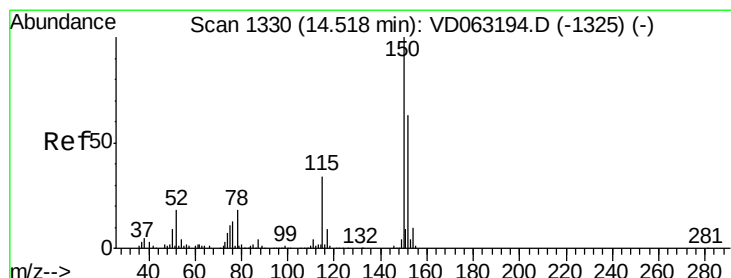
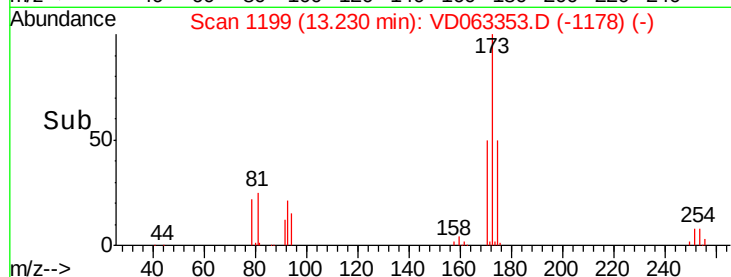
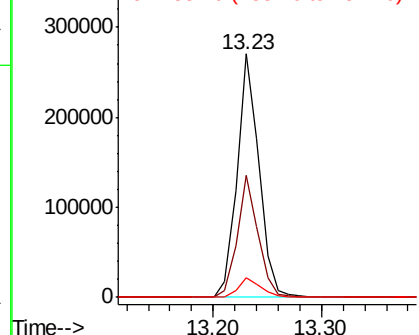
#71
Bromoform
Concen: 49.056 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 381102
Ion Ratio Lower Upper
173 100
175 50.0 23.8 71.5
254 7.8 6.6 10.0

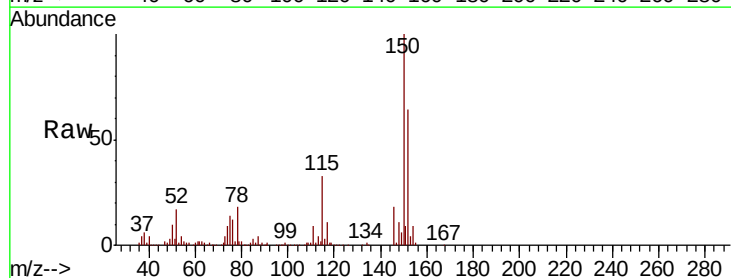


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

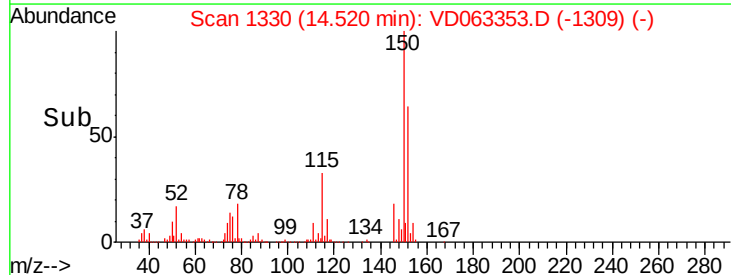
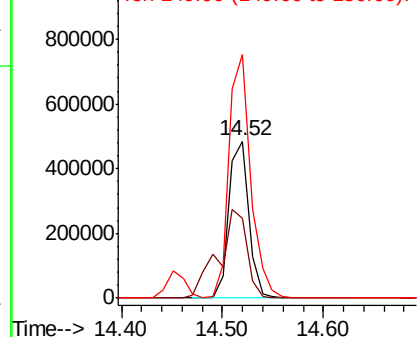


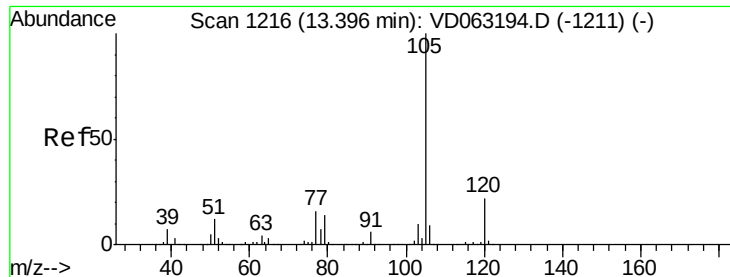
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

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 :

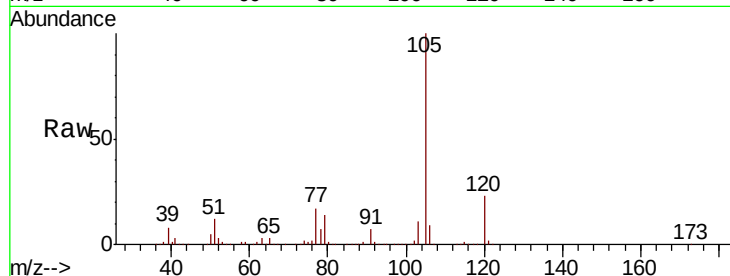
VSTDCCC050

Tot 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

13.40

1500000

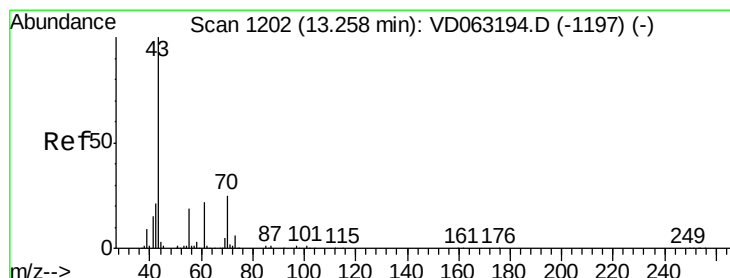
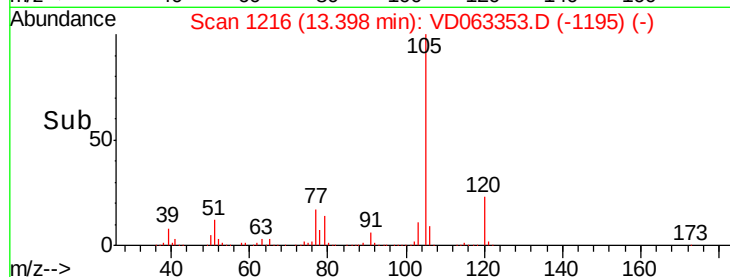
1000000

500000

0

Time-->

13.30 13.40 13.50



#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

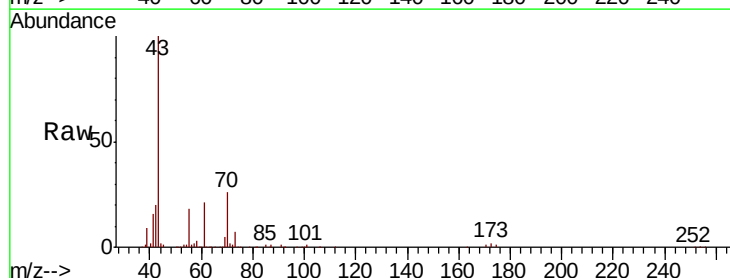
Ion Ratio Lower Upper

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

600000

500000

400000

300000

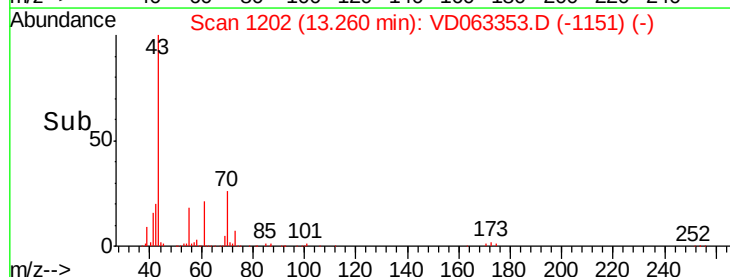
200000

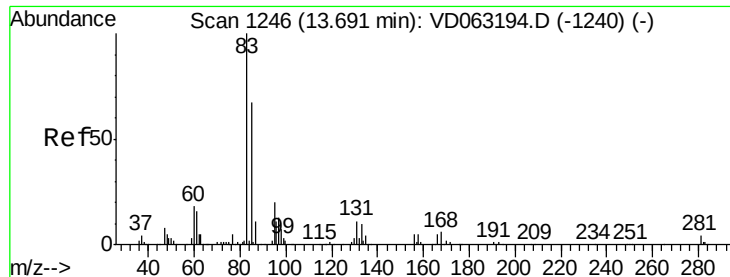
100000

0

Time-->

13.20 13.30 13.40





#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

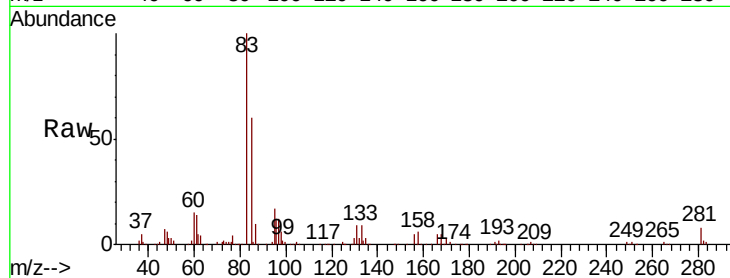
Tot Ion: 83 Resp: 386919

Ion Ratio Lower Upper

83 100

131 9.2 5.5 16.7

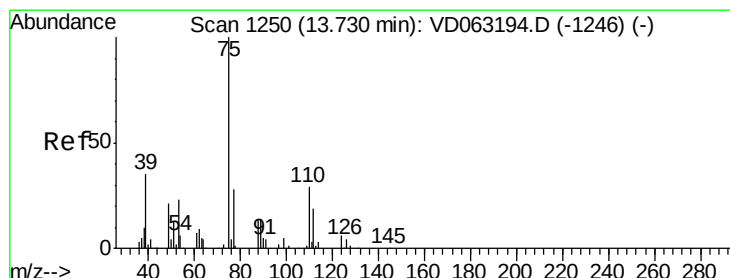
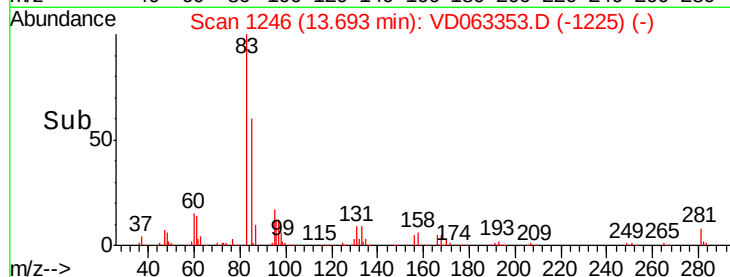
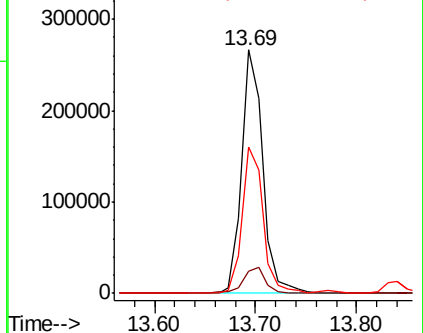
85 60.2 33.7 101.1



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

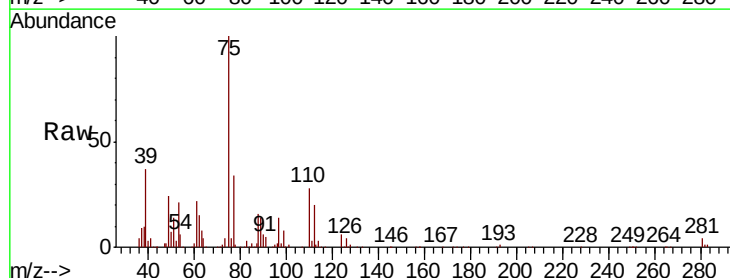
Acq: 3 Aug 2019 11:15

Tgt Ion: 75 Resp: 420009

Ion Ratio Lower Upper

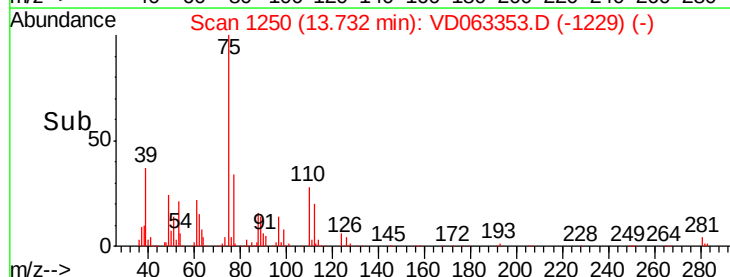
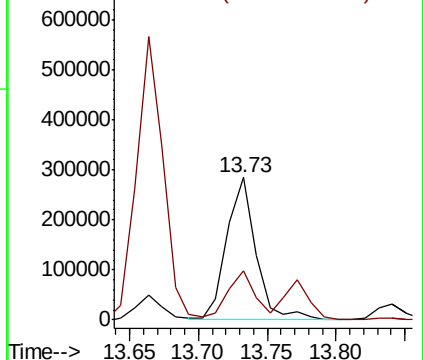
75 100

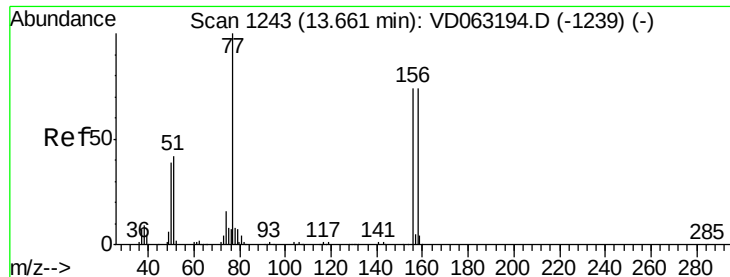
77 34.2 16.0 48.0



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

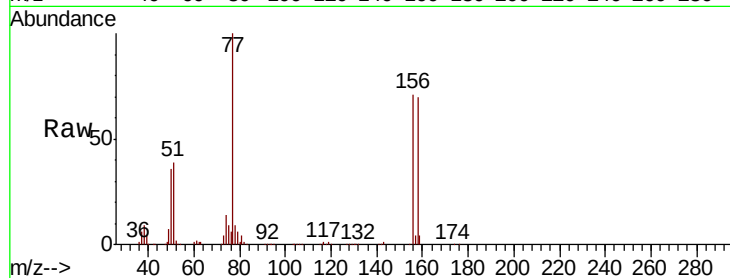
Tot Ion:156 Resp: 604585

Ion Ratio Lower Upper

156 100

77 141.5 67.6 202.8

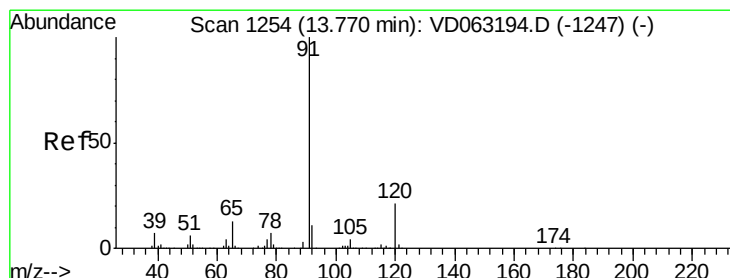
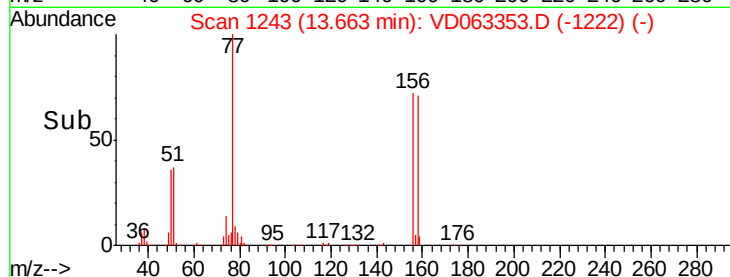
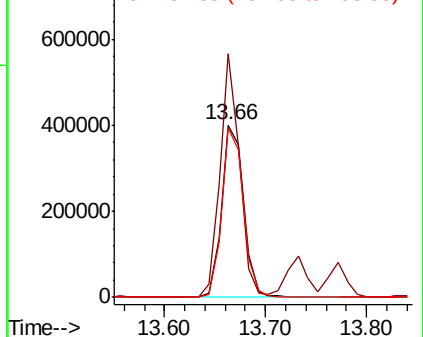
158 98.7 49.8 149.4



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

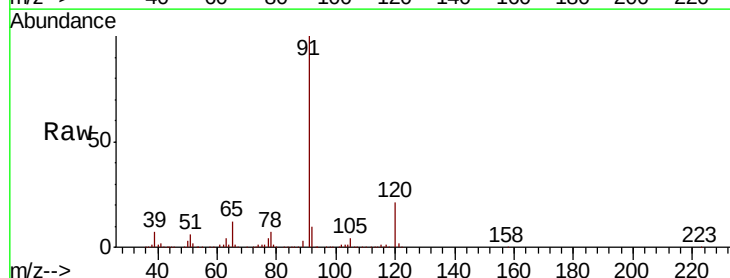
Acq: 3 Aug 2019 11:15

Tgt Ion: 91 Resp: 2577989

Ion Ratio Lower Upper

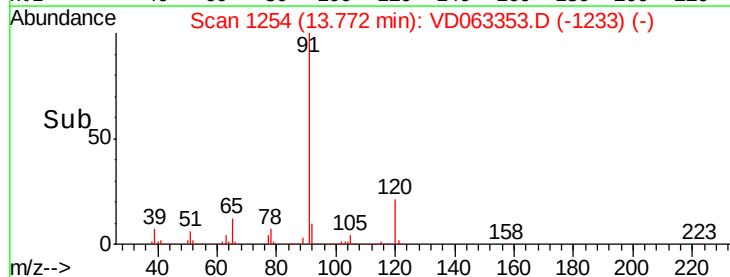
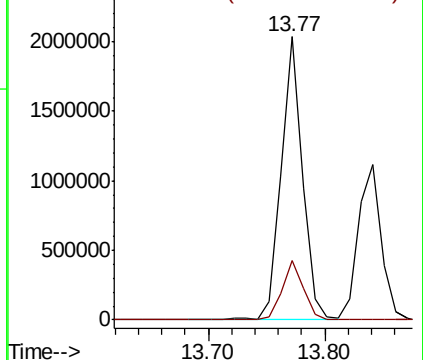
91 100

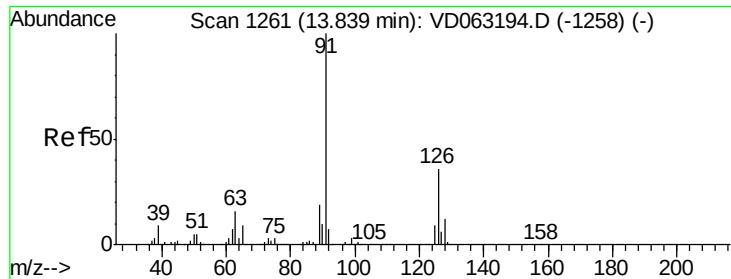
120 20.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

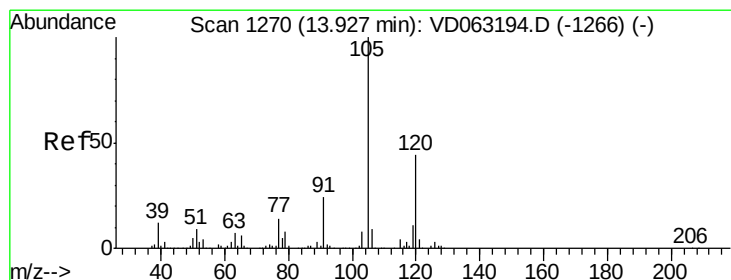
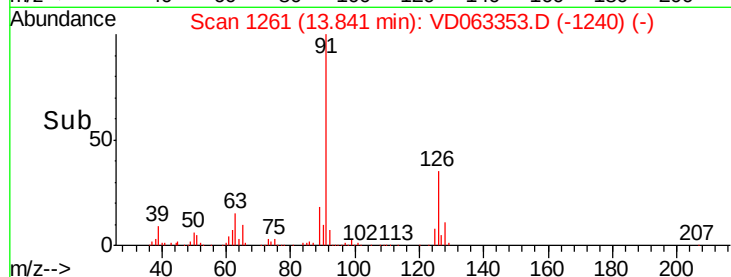
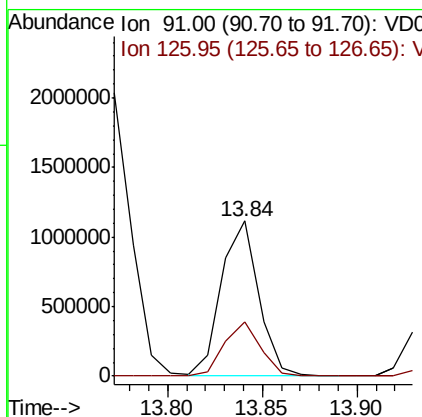
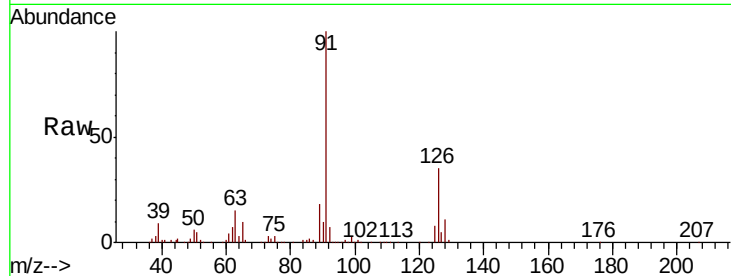




#79
 2-Chlorotoluene
 Concen: 52.603 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

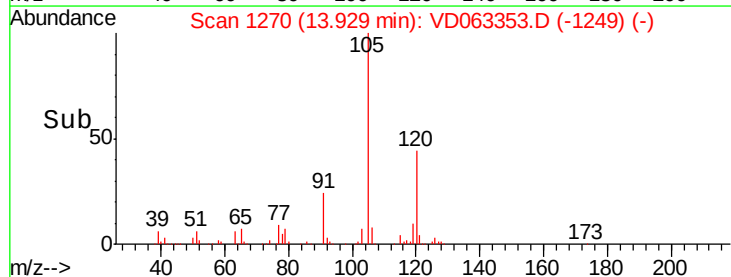
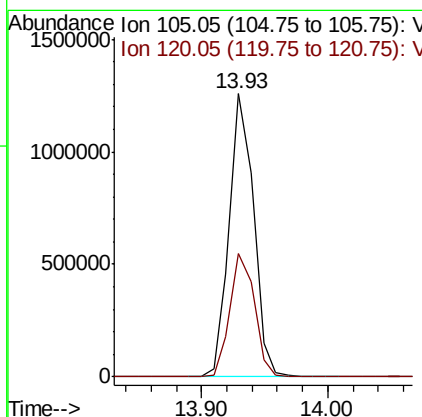
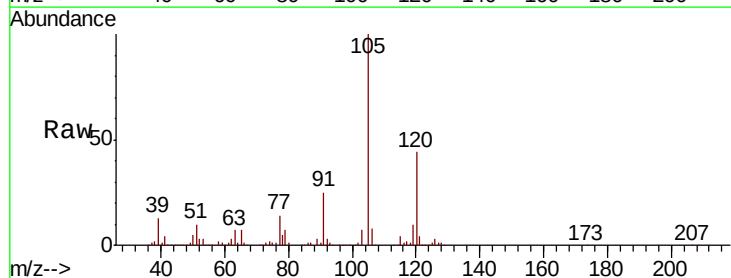
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

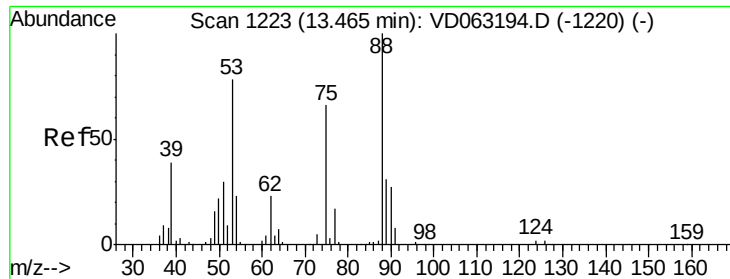
Tot Ion: 91 Resp: 1521501
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.8 53.5



#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

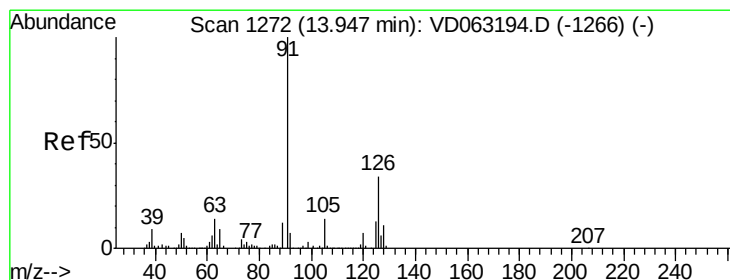
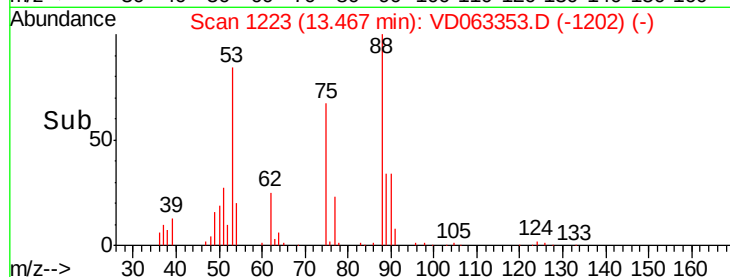
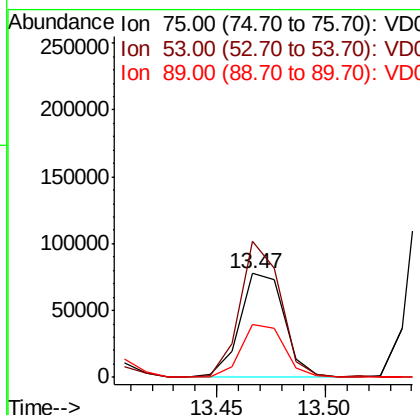
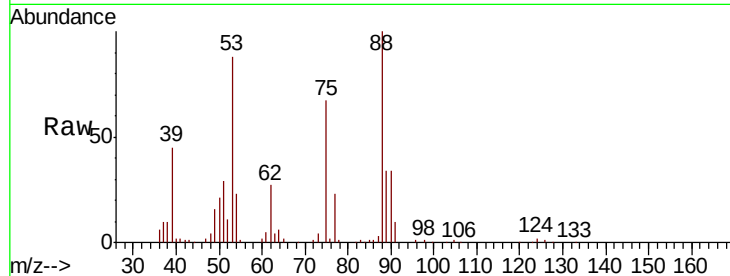




#81
trans-1,4-Dichloro-2-butene
Concen: 49.696 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

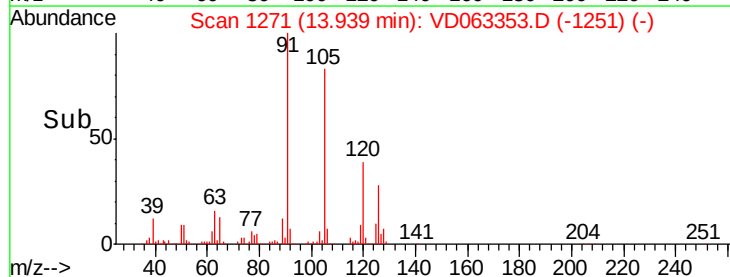
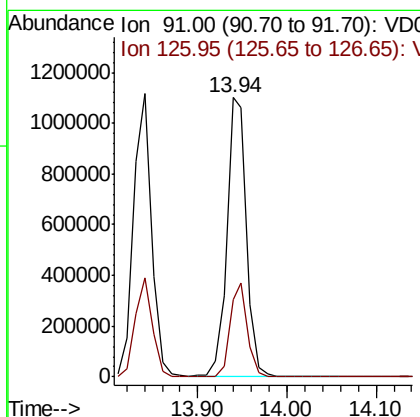
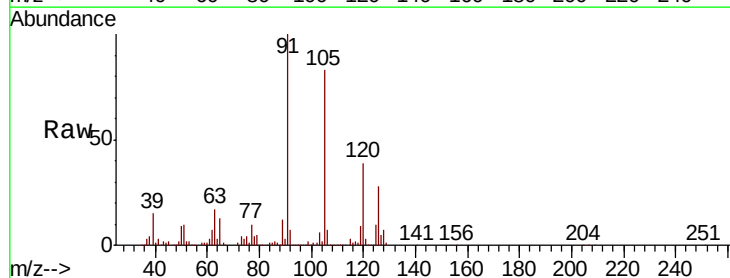
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

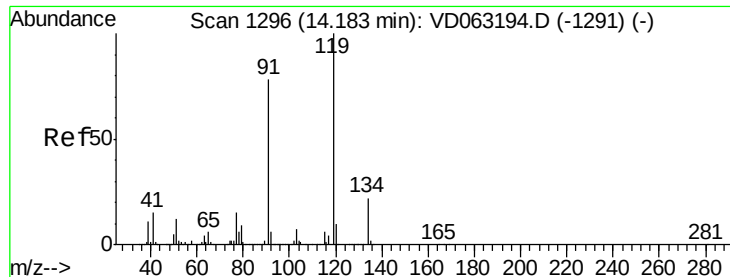
Tot Ion: 75 Resp: 110778
Ion Ratio Lower Upper
75 100
53 130.6 94.9 142.3
89 50.5 37.4 56.0



#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

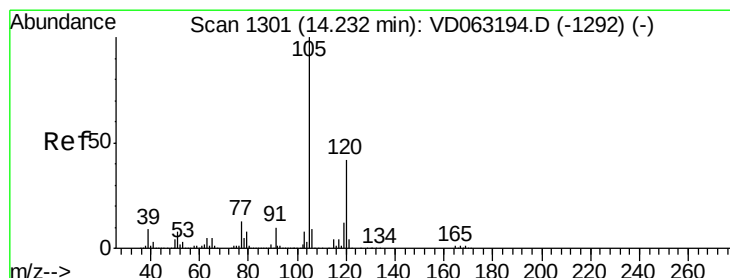
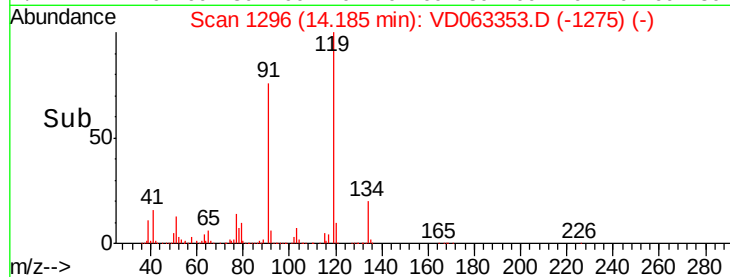
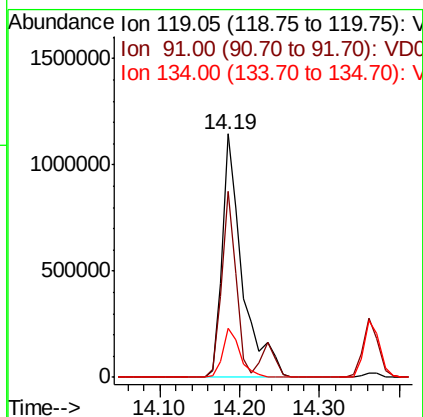
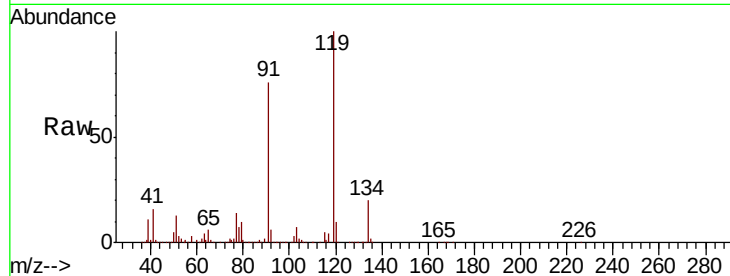




#83
 tert-Butylbenzene
 Concen: 49.545 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

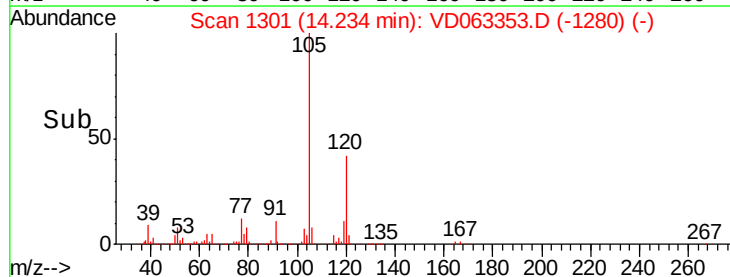
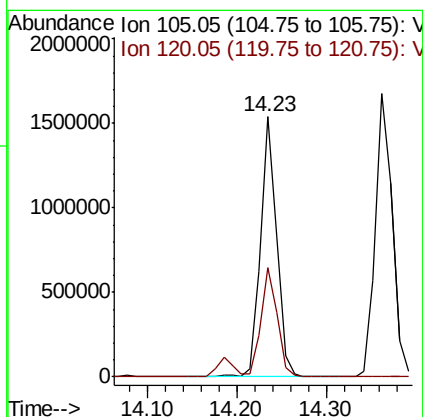
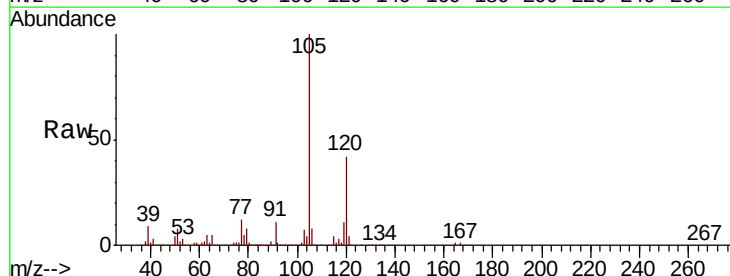
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

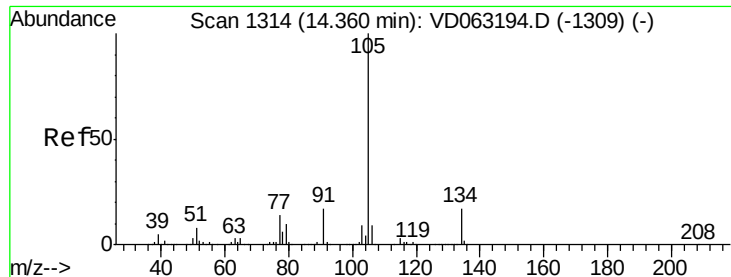
Tot Ion:119 Resp: 2046690
 Ion Ratio Lower Upper
 119 100
 91 76.5 39.1 117.5
 134 20.1 10.9 32.6



#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 :

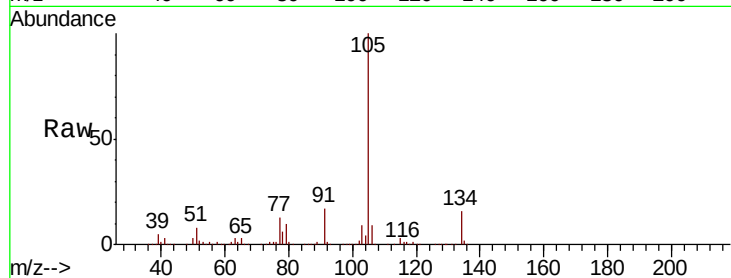
VSTDCCC050

Tot Ion:105 Resp: 2182014

Ion Ratio Lower Upper

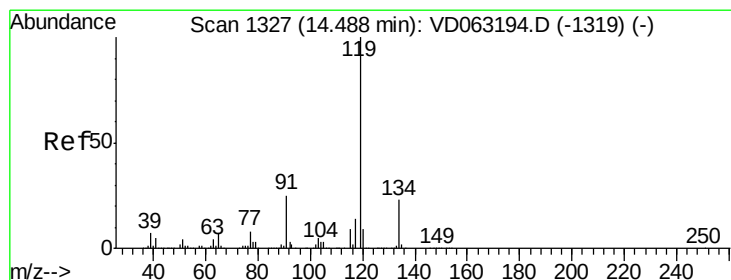
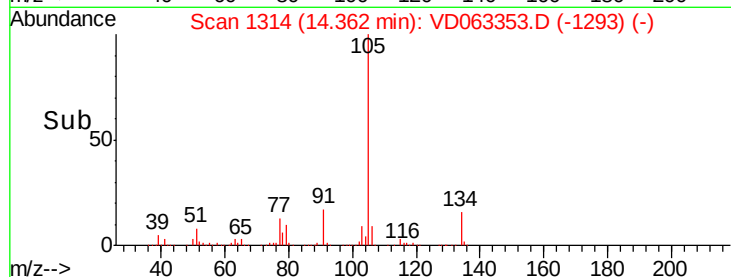
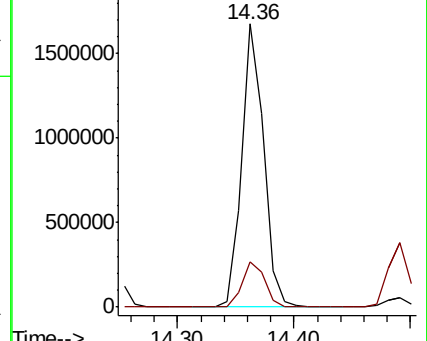
105 100

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

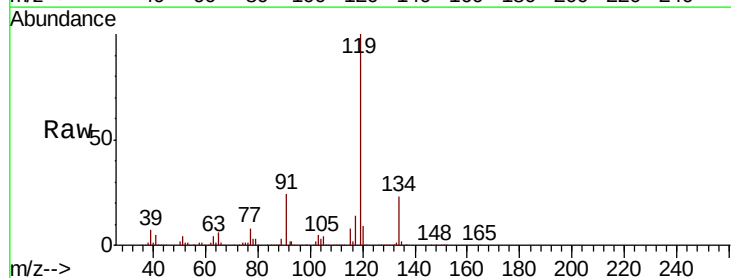
Tgt Ion:119 Resp: 2042200

Ion Ratio Lower Upper

119 100

134 22.5 11.5 34.5

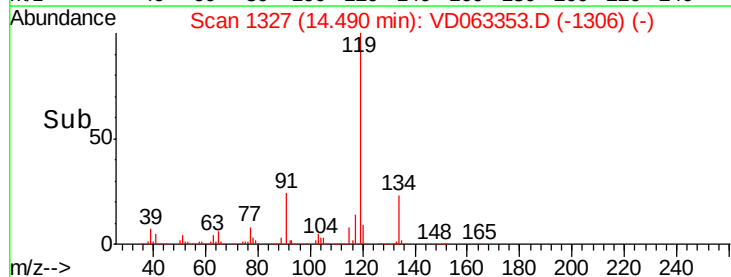
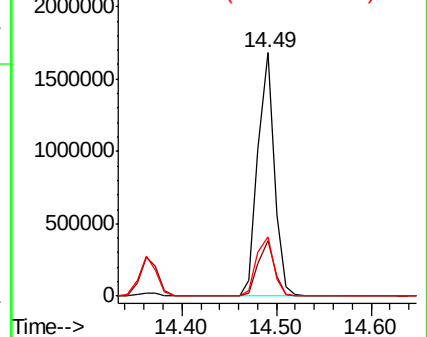
91 24.4 12.6 37.6

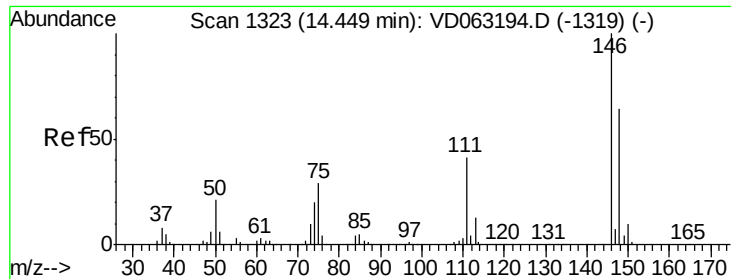


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

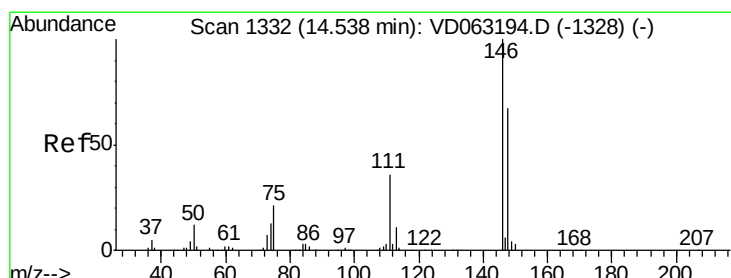
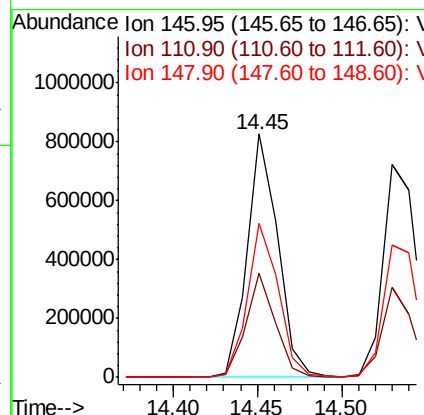
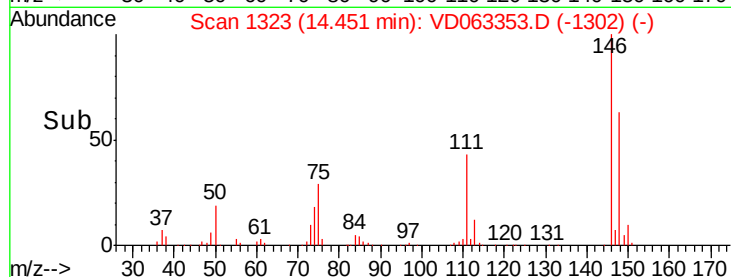
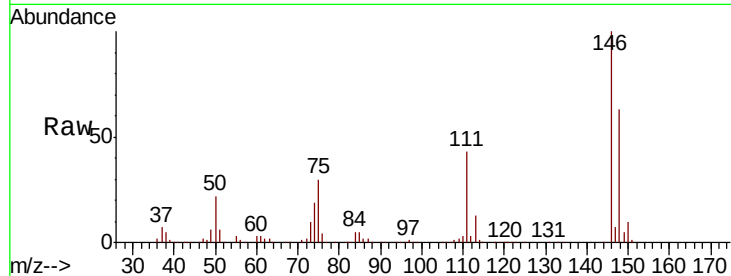




#87
 1,3-Dichlorobenzene
 Concen: 49.372 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

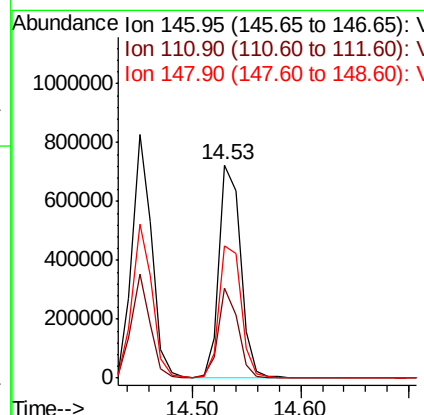
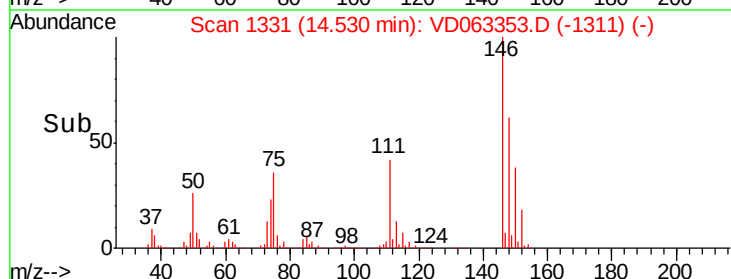
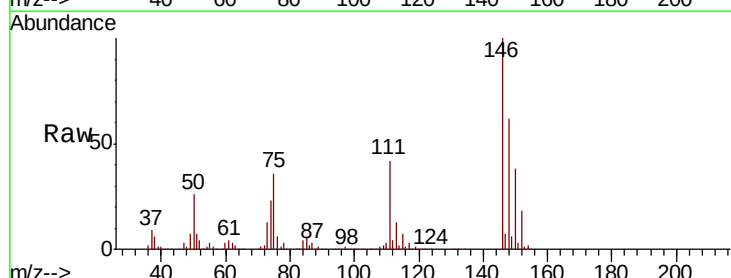
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

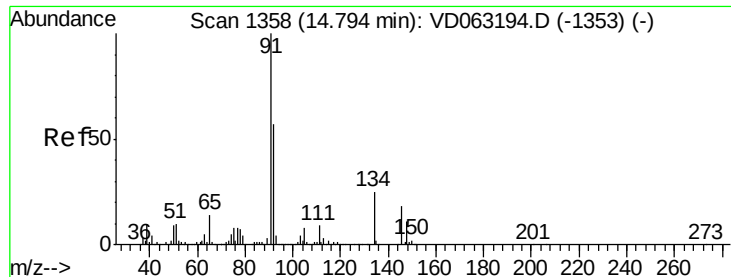
Tot Ion:146 Resp: 1044795
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.4 61.3
 148 63.3 31.8 95.4



#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

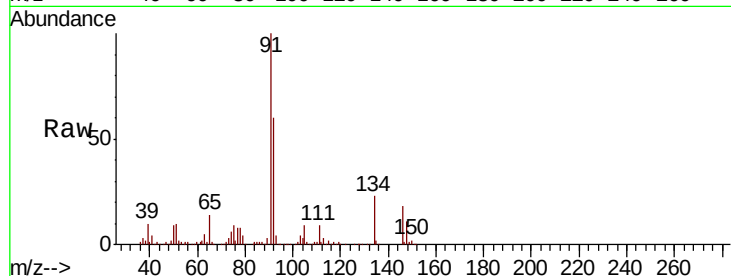
Tot Ion: 91 Resp: 1799440

Ion	Ratio	Lower	Upper
91	100		
92	60.0	28.3	85.0
134	22.5	12.3	36.8

91 100

92 60.0 28.3 85.0

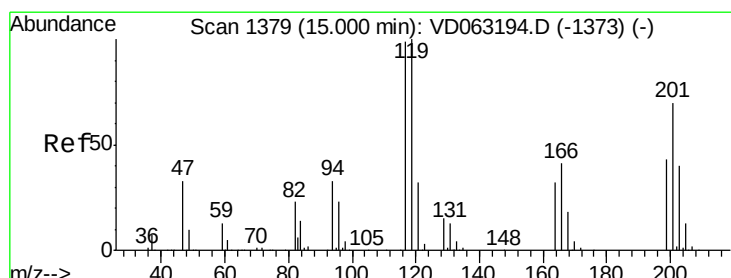
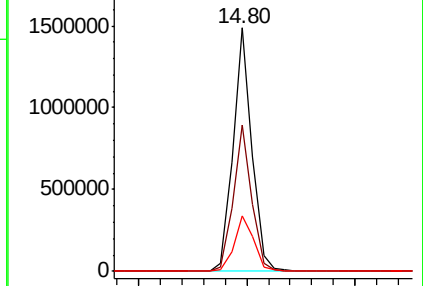
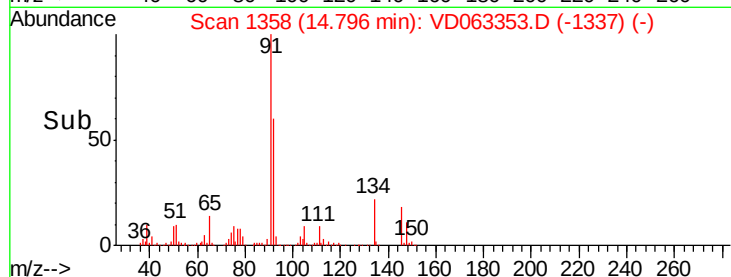
134 22.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 49.637 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063353.D

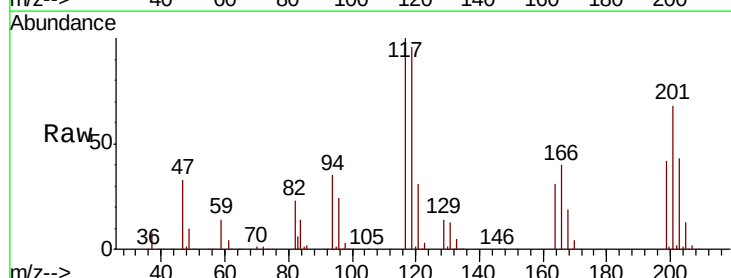
Acq: 3 Aug 2019 11:15

Tgt Ion: 117 Resp: 537217

Ion	Ratio	Lower	Upper
117	100		
201	67.7	35.2	105.6

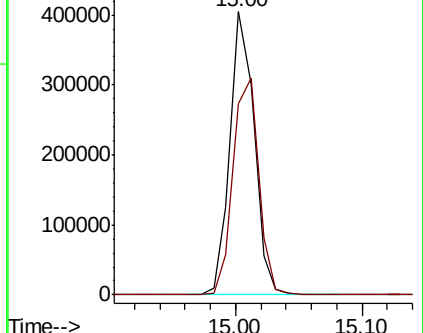
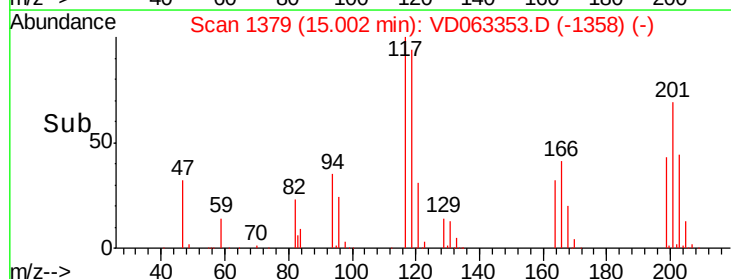
117 100

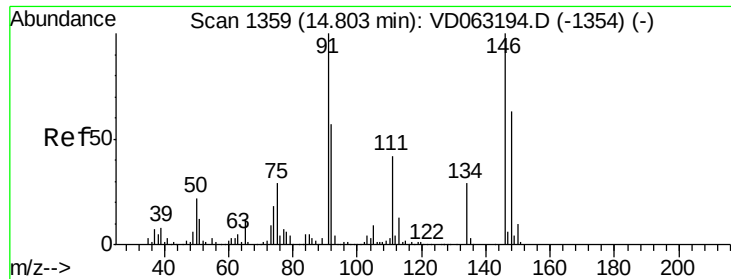
201 67.7 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#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

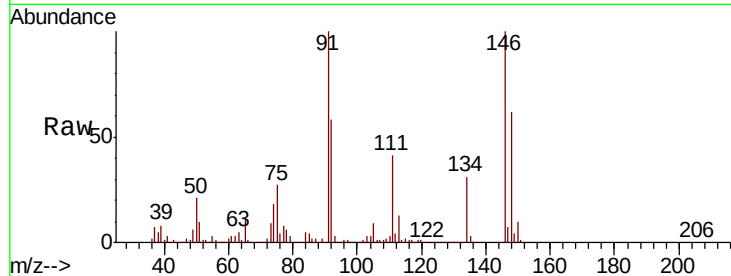
Tot Ion:146 Resp: 849738

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.3

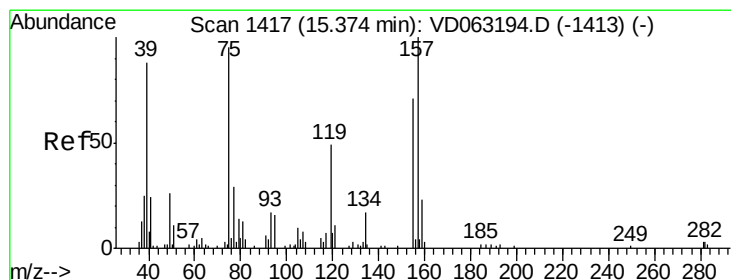
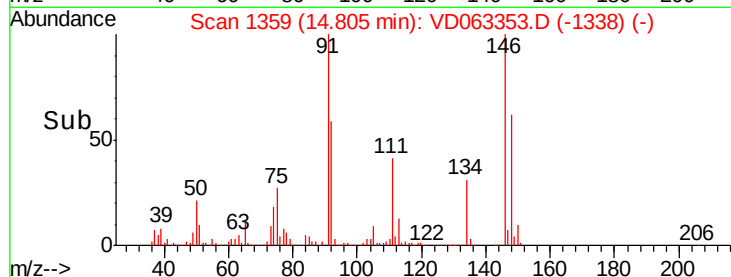
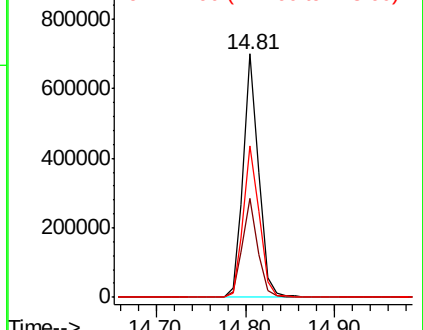
148 62.3 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

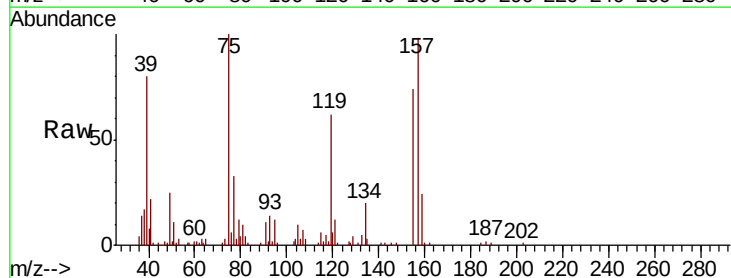
Tgt Ion: 75 Resp: 66547

Ion Ratio Lower Upper

75 100

155 74.0 37.0 111.0

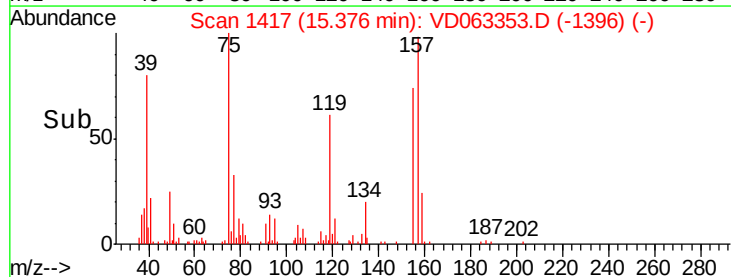
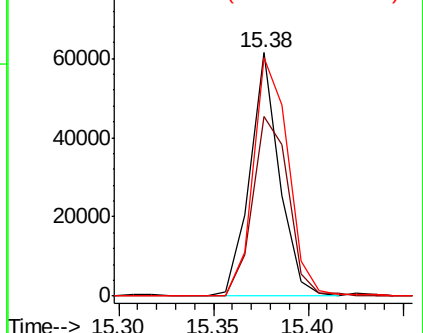
157 97.7 52.4 157.2

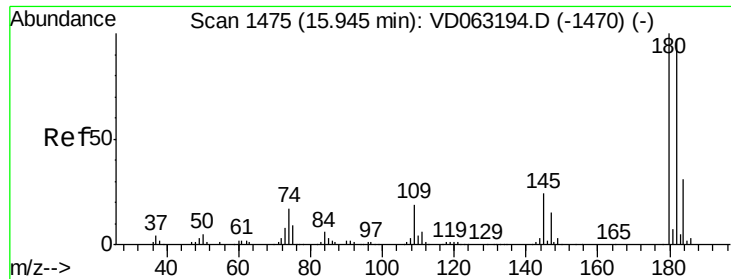


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

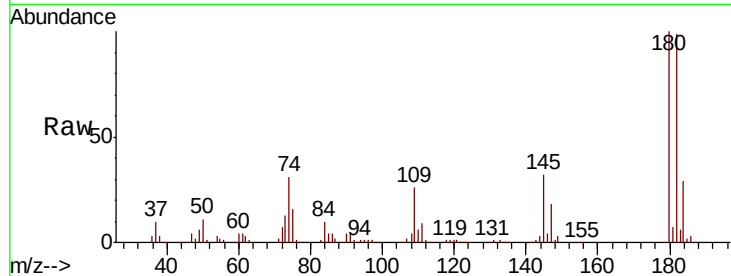




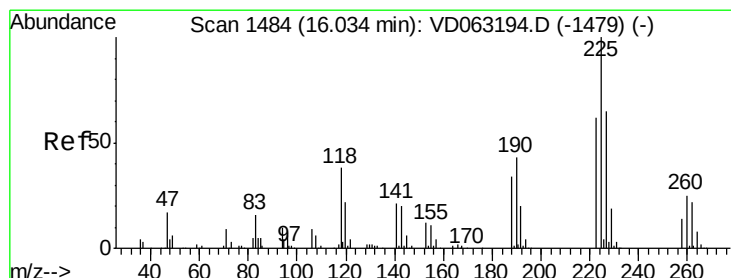
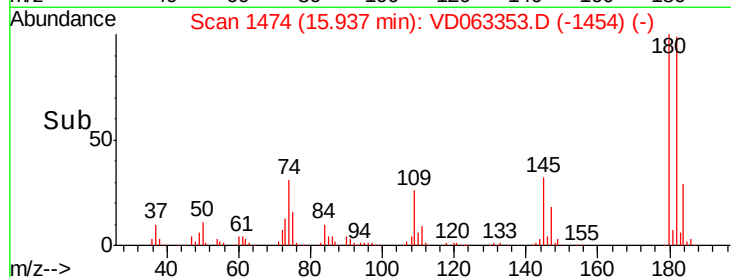
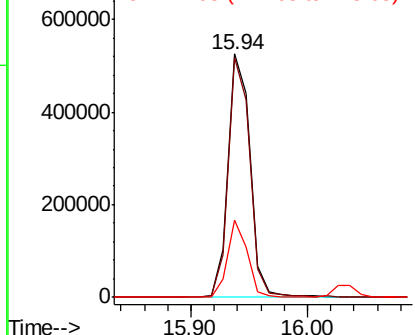
#93
 1,2,4-Trichlorobenzene
 Concen: 47.312 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

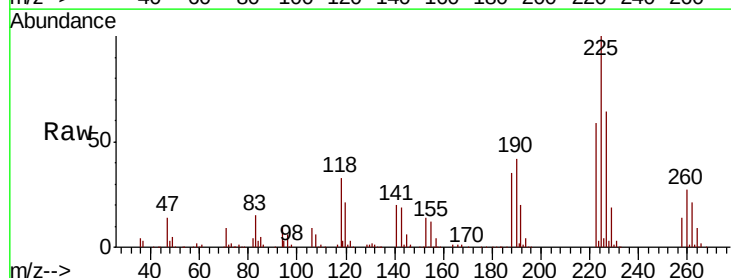


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

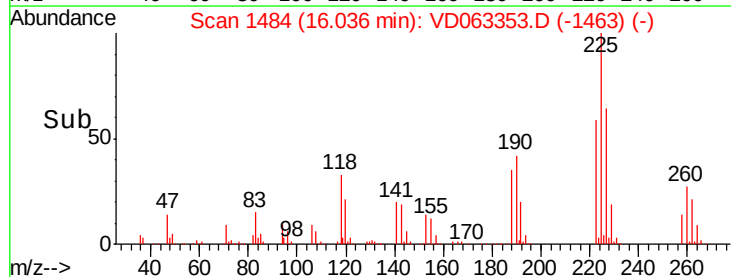
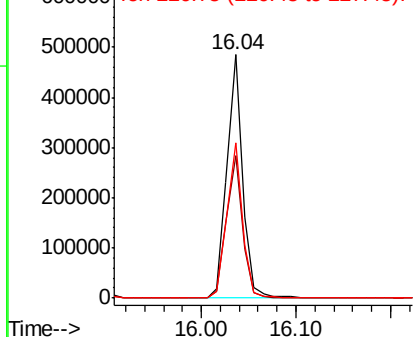


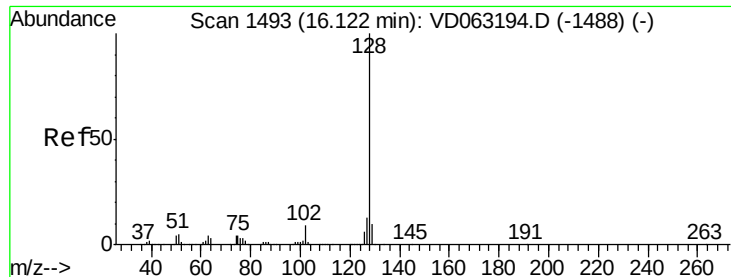
#94
 Hexachlorobutadiene
 Concen: 52.600 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063353.D
 Acq: 3 Aug 2019 11:15

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

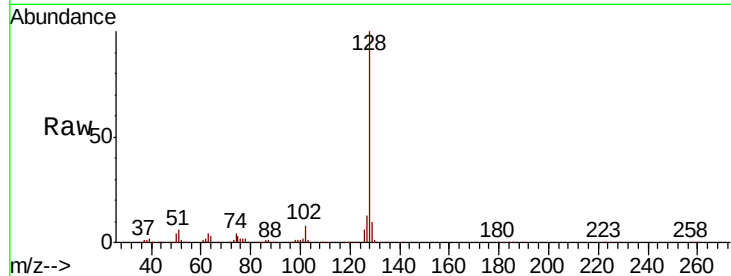




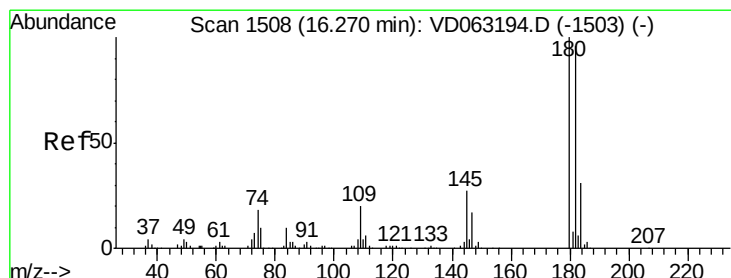
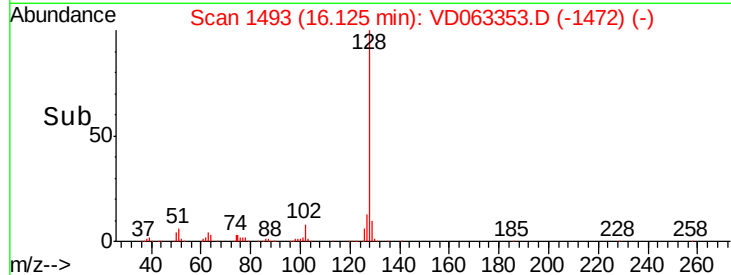
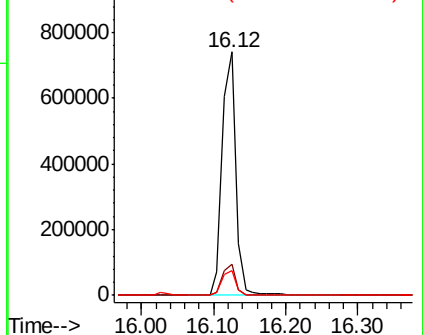
#95
Naphthalene
Concen: 46.244 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063353.D
Acq: 3 Aug 2019 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

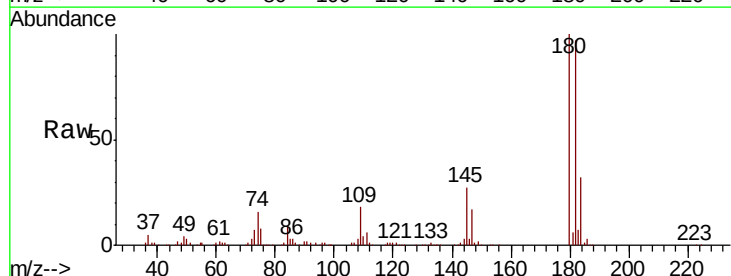


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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

