

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063329.D
 Acq On : 2 Aug 2019 20:56
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 04 03:40:54 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	7.03	168	909497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1223978	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1030610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	600111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	580208	57.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.98%	
35) Dibromofluoromethane	6.90	113	611019	58.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.94%	
50) Toluene-d8	10.40	98	1294128	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
62) 4-Bromofluorobenzene	13.55	95	582267	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	497279	44.730	ug/l	100
3) Chloromethane	1.73	50	380159	44.012	ug/l #	87
4) Vinyl Chloride	1.83	62	382898	42.821	ug/l	94
5) Bromomethane	2.14	94	216620	48.034	ug/l	96
6) Chloroethane	2.26	64	211677	51.274	ug/l	96
7) Trichlorofluoromethane	2.51	101	823449	47.469	ug/l	99
8) Diethyl Ether	2.86	74	111408	45.889	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	436022	45.376	ug/l	99
10) Methyl Iodide	3.29	142	647717	46.660	ug/l	95
11) Tert butyl alcohol	4.07	59	97045	219.125	ug/l	98
12) 1,1-Dichloroethene	3.11	96	329186	46.664	ug/l	84
13) Acrolein	3.02	56	124794	292.790	ug/l	96
14) Allyl chloride	3.60	41	541901	48.221	ug/l	92
15) Acrylonitrile	4.19	53	268211	233.595	ug/l	92
16) Acetone	3.21	43	428998	218.179	ug/l	95
17) Carbon Disulfide	3.36	76	1033147	43.756	ug/l	97
18) Methyl Acetate	3.62	43	188015	49.781	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	788675	49.493	ug/l	99
20) Methylene Chloride	3.79	84	365833	46.029	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	383884	48.499	ug/l	92
22) Diisopropyl ether	5.10	45	1134065	50.510	ug/l	97
23) Vinyl Acetate	5.04	43	3462565	250.885	ug/l	99
24) 1,1-Dichloroethane	4.96	63	702220	48.965	ug/l	97
25) 2-Butanone	6.06	43	462994	234.628	ug/l	100
26) 2,2-Dichloropropane	6.01	77	679469	45.974	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	427116	50.330	ug/l	95
28) Bromochloromethane	6.42	49	297477	52.061	ug/l #	99
29) Tetrahydrofuran	6.44	42	215523	230.688	ug/l	98
30) Chloroform	6.65	83	935806	52.580	ug/l	98
31) Cyclohexane	6.93	56	410577	45.674	ug/l	92
32) 1,1,1-Trichloroethane	6.85	97	854370	49.629	ug/l	99
36) 1,1-Dichloropropene	7.13	75	597640	53.502	ug/l	97
37) Ethyl Acetate	6.17	43	239860	47.796	ug/l	96
38) Carbon Tetrachloride	7.09	117	957796	56.955	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	453554	48.734	ug/l	92
40) Benzene	7.43	78	1244411	53.155	ug/l	97
41) Methacrylonitrile	6.44	41	296057	49.318	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	659965	53.192	ug/l	99
43) Isopropyl Acetate	9.23	43	315793	49.262	ug/l #	98
44) Trichloroethene	8.53	130	457353	48.211	ug/l	99
45) 1,2-Dichloropropane	8.92	63	303191	50.952	ug/l	98
46) Dibromomethane	9.05	93	261589	52.871	ug/l	88
47) Bromodichloromethane	9.36	83	688903	54.622	ug/l	97
48) Methyl methacrylate	9.11	41	215128	51.744	ug/l	97
49) 1,4-Dioxane	9.07	88	41491	1178.809	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1125436	258.148	ug/l	99
52) Toluene	10.50	92	809961	52.018	ug/l	92
53) t-1,3-Dichloropropene	10.90	75	577180	53.081	ug/l	90
54) cis-1,3-Dichloropropene	10.02	75	618054	54.084	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	297527	56.578	ug/l	96
56) Ethyl methacrylate	11.03	69	297914	51.735	ug/l	98
57) 1,3-Dichloropropane	11.40	76	443343	53.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	813492	271.493	ug/l	95
59) 2-Hexanone	11.52	43	865764	275.568	ug/l	99
60) Dibromochloromethane	11.68	129	555367	55.942	ug/l	93
61) 1,2-Dibromoethane	11.80	107	353535	54.482	ug/l	99
64) Tetrachloroethene	11.24	164	426893	51.994	ug/l	98
65) Chlorobenzene	12.39	112	1008719	50.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	498260	57.062	ug/l	98
67) Ethyl Benzene	12.51	91	1882086	55.889	ug/l	99
68) m/p-Xylenes	12.66	106	1222087	98.956	ug/l	88
69) o-Xylene	13.05	106	600189	52.923	ug/l	97
70) Styrene	13.07	104	1077937	53.596	ug/l	100
71) Bromoform	13.22	173	352867	55.569	ug/l	98
73) Isopropylbenzene	13.40	105	1836428	48.757	ug/l	96
74) N-amyl acetate	13.26	43	507150	50.934	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	333565	52.137	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	356805	49.501	ug/l	99
77) Bromobenzene	13.67	156	516935	48.179	ug/l	85
78) n-propylbenzene	13.76	91	2141248	47.772	ug/l	99
79) 2-Chlorotoluene	13.83	91	1323581	50.963	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1537450	47.327	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	93886	46.907	ug/l	95
82) 4-Chlorotoluene	13.94	91	1515769	49.592	ug/l	96
83) tert-Butylbenzene	14.19	119	1695153	45.701	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1581886	47.078	ug/l	97
85) sec-Butylbenzene	14.36	105	1907453	48.809	ug/l	98
86) p-Isopropyltoluene	14.48	119	1808916	48.497	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	904013	47.577	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	932165	48.514	ug/l	97
89) n-Butylbenzene	14.79	91	1542190	47.871	ug/l	97
90) Hexachloroethane	15.00	117	466309	47.984	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	810877	48.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	58230	44.682	ug/l	80

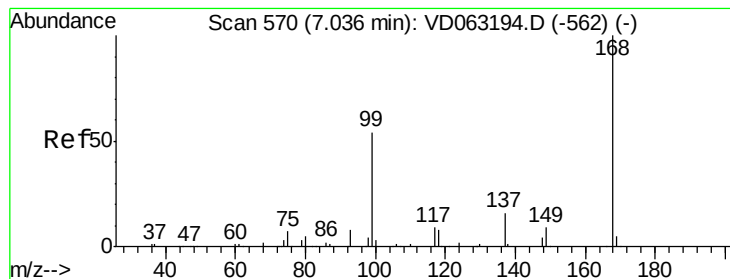
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	610817	46.508	ug/l	98
94) Hexachlorobutadiene	16.03	225	438399	46.062	ug/l	99
95) Naphthalene	16.12	128	881256	47.474	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	476154	45.893	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

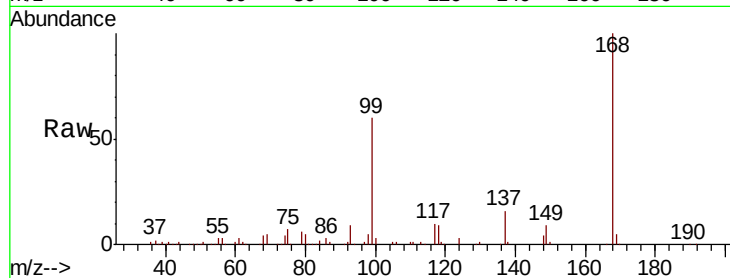
VSTDCCC050EC

Tgt Ion:168 Resp: 909497

Ion Ratio Lower Upper

168 100

99 60.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

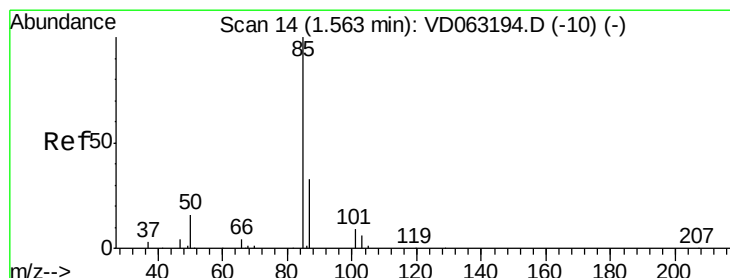
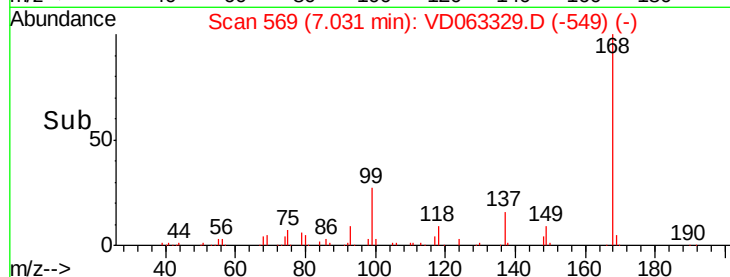
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.730 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063329.D

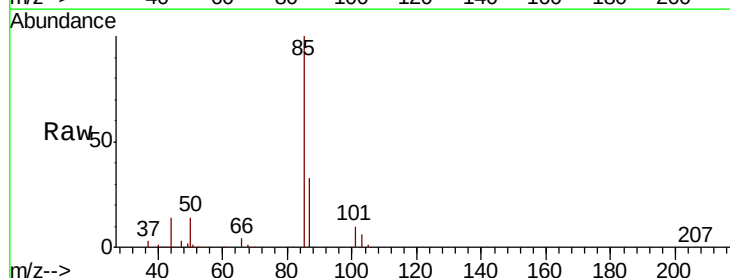
Acq: 2 Aug 2019 20:56

Tgt Ion: 85 Resp: 497279

Ion Ratio Lower Upper

85 100

87 33.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

250000

200000

150000

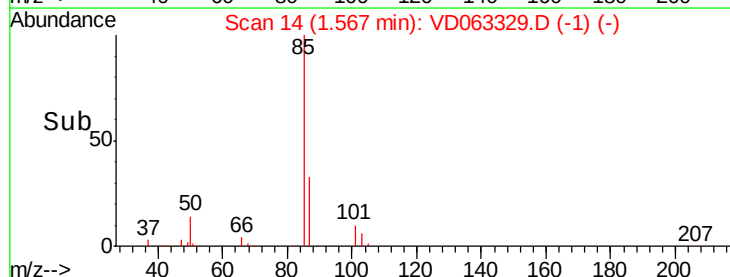
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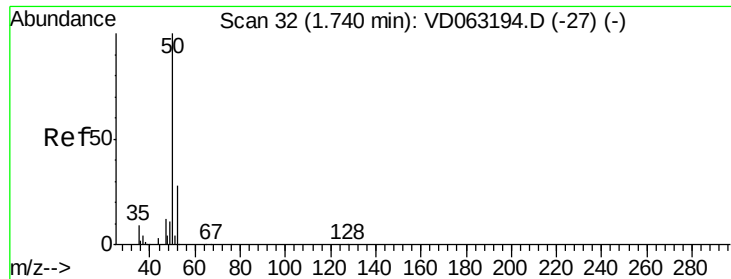
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 44.012 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

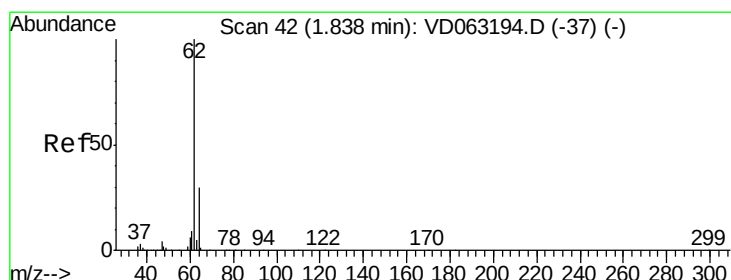
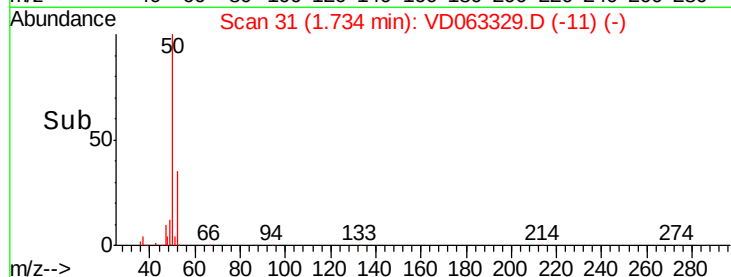
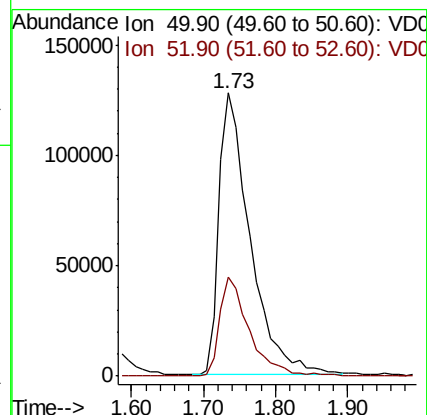
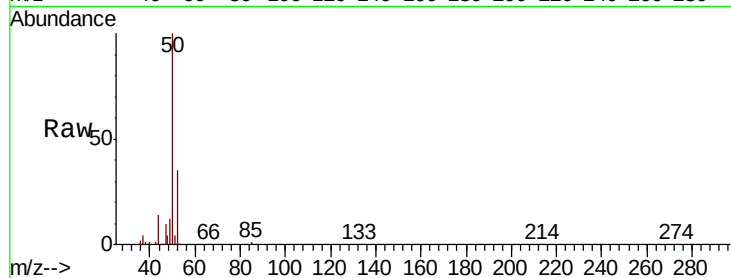
VSTDCCC050EC

Tgt Ion: 50 Resp: 380159

Ion Ratio Lower Upper

50 100

52 35.2 22.6 34.0#



#4

Vinyl Chloride

Concen: 42.821 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD063329.D

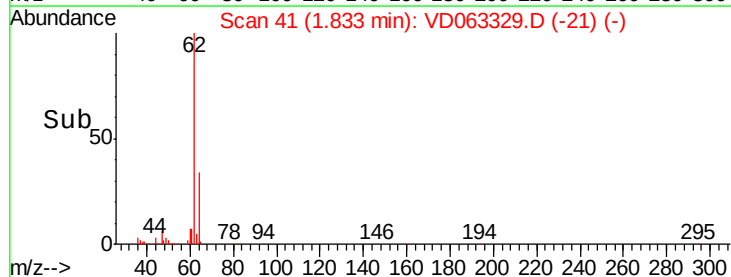
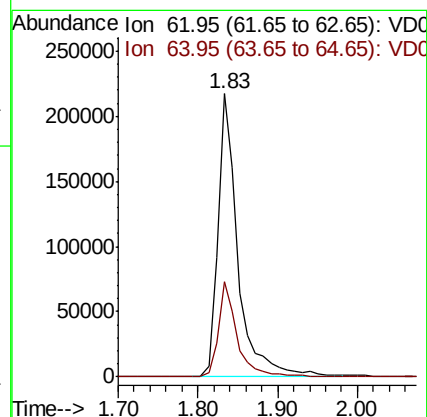
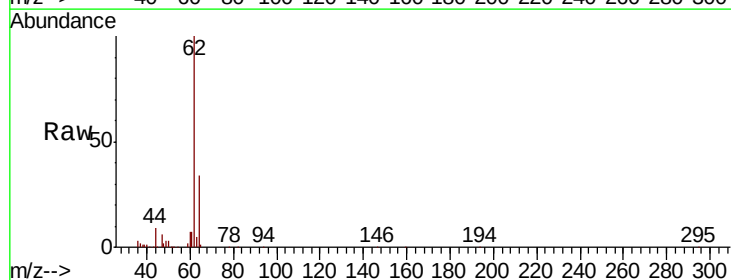
Acq: 2 Aug 2019 20:56

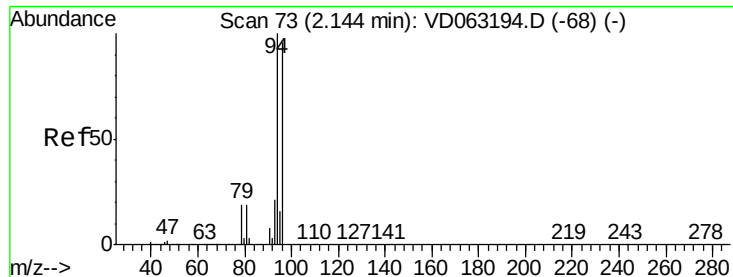
Tgt Ion: 62 Resp: 382898

Ion Ratio Lower Upper

62 100

64 33.6 24.1 36.1





#5

Bromomethane

Concen: 48.034 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

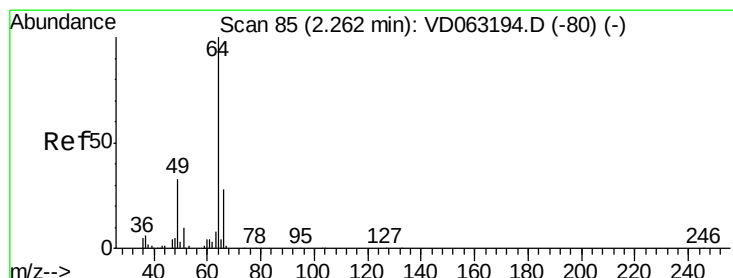
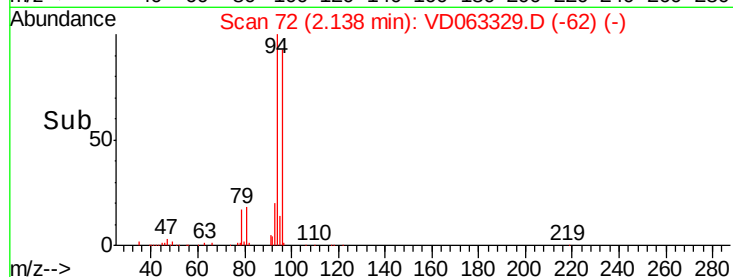
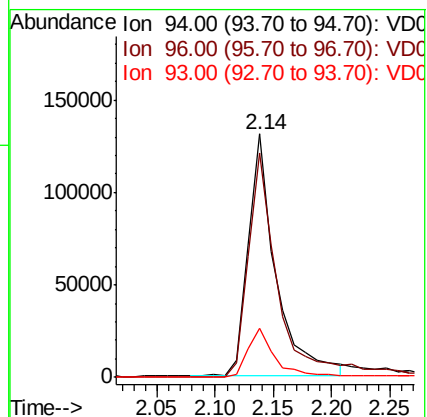
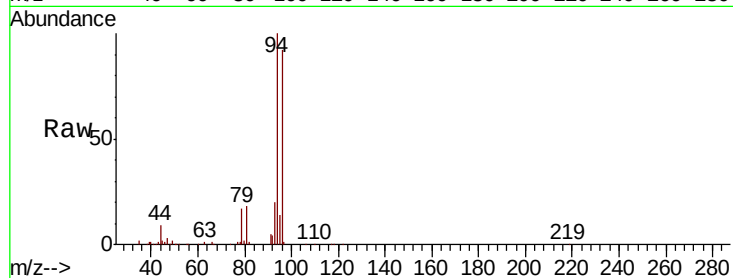
Tgt Ion: 94 Resp: 216620

Ion Ratio Lower Upper

94 100

96 91.9 76.4 114.6

93 20.1 17.3 25.9



#6

Chloroethane

Concen: 51.274 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063329.D

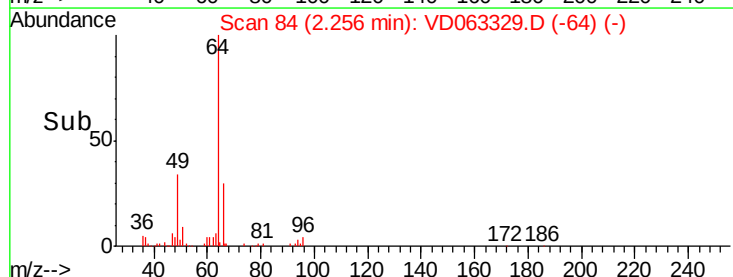
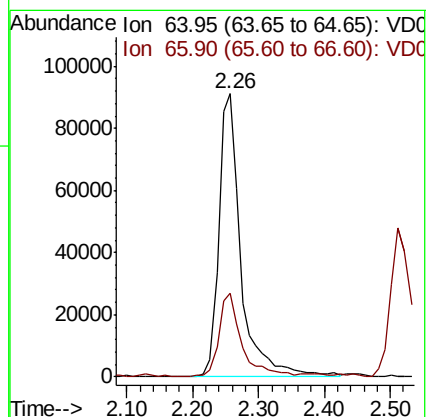
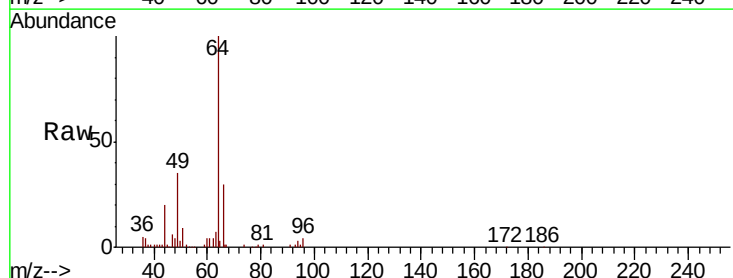
Acq: 2 Aug 2019 20:56

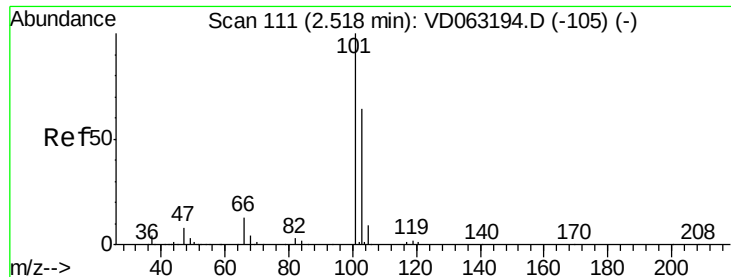
Tgt Ion: 64 Resp: 211677

Ion Ratio Lower Upper

64 100

66 29.5 22.2 33.2



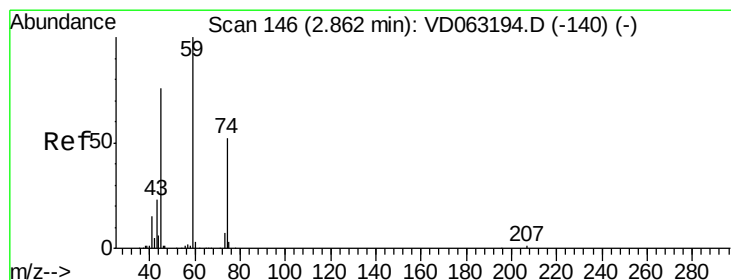
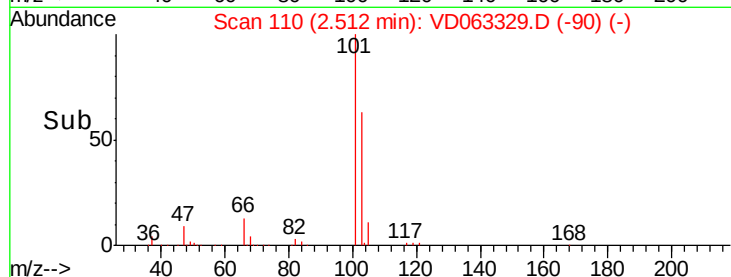
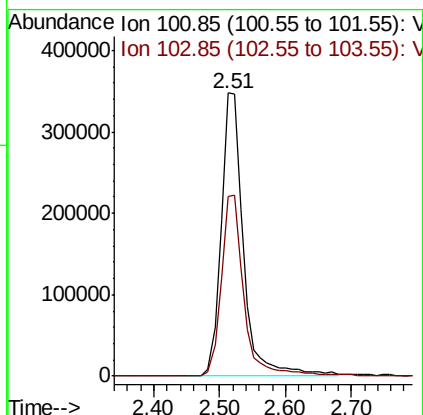
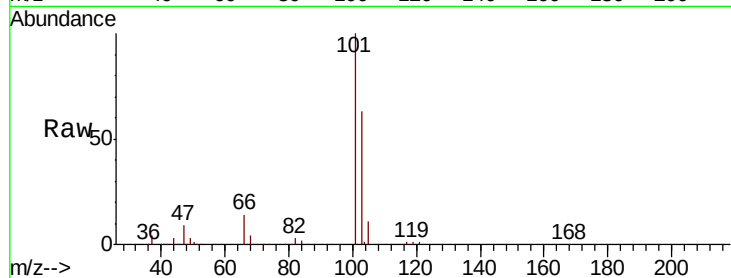


#7

Trichlorofluoromethane
Concen: 47.469 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.01 min
Lab File: VD063329.D
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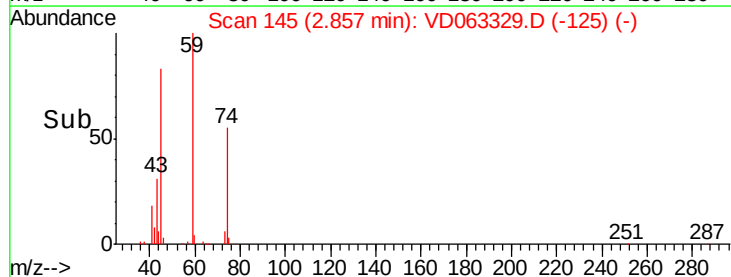
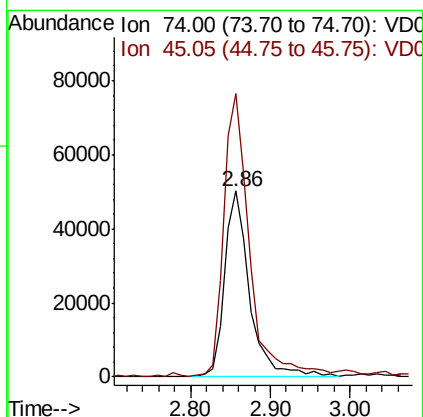
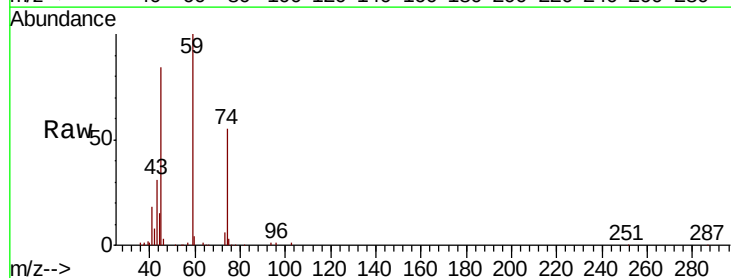
Tgt Ion: 101 Resp: 823449
Ion Ratio Lower Upper
101 100
103 63.3 51.5 77.3

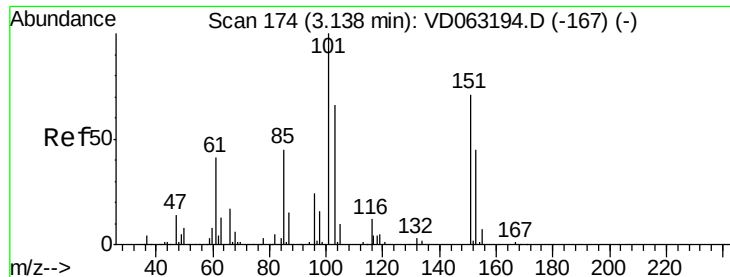


#8

Diethyl Ether
Concen: 45.889 ug/l
RT: 2.86 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 74 Resp: 111408
Ion Ratio Lower Upper
74 100
45 152.2 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.376 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

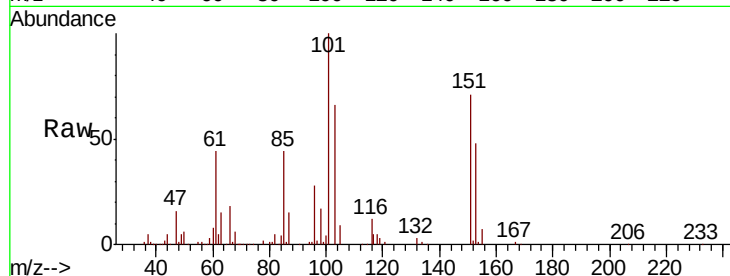
Tgt Ion:101 Resp: 436022

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

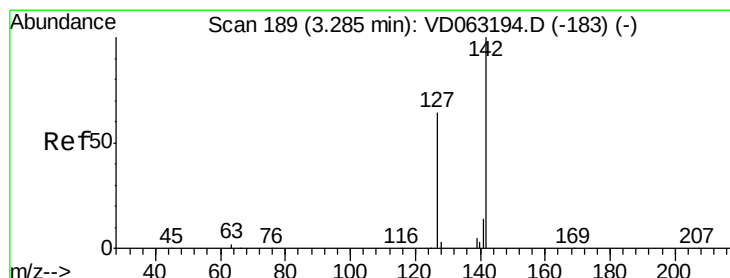
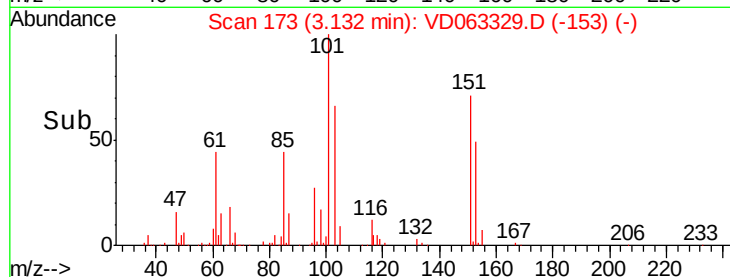
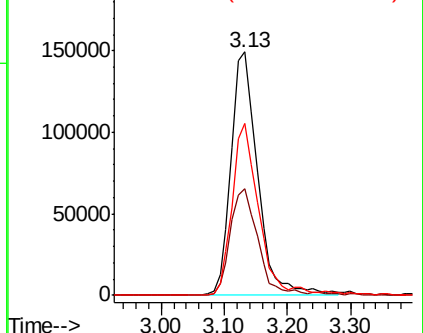
151 70.6 57.1 85.7



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: 46.660 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

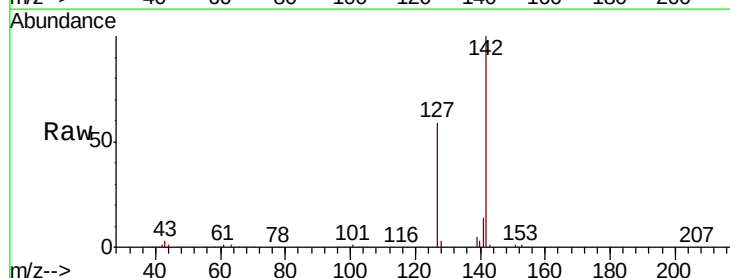
Tgt Ion:142 Resp: 647717

Ion Ratio Lower Upper

142 100

127 58.8 50.8 76.2

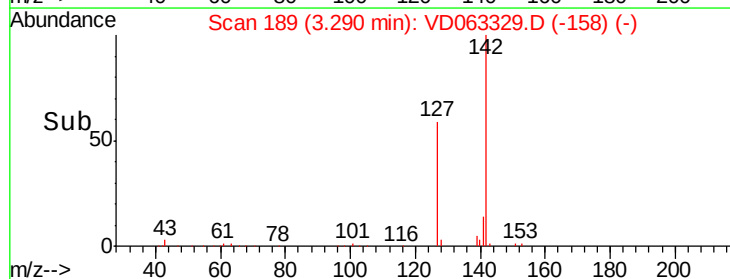
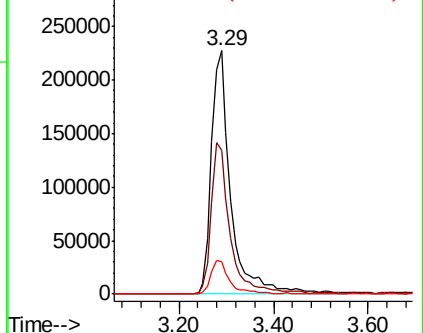
141 13.6 11.4 17.2

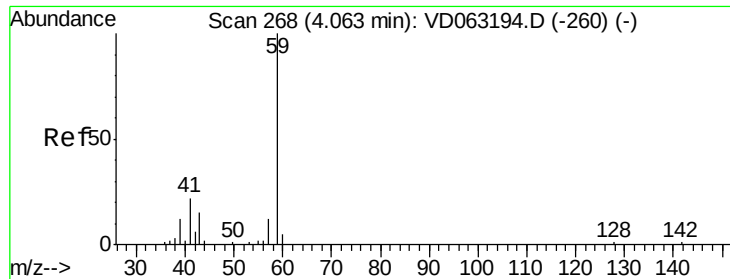


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

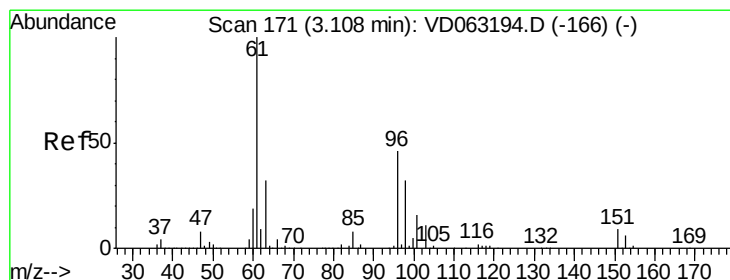
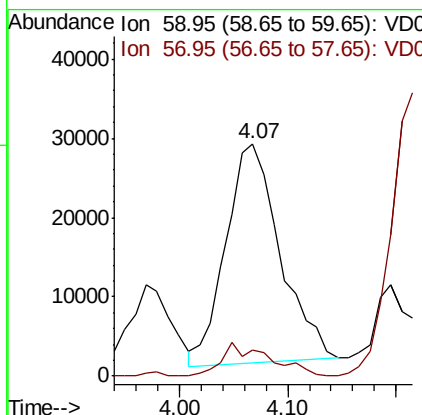
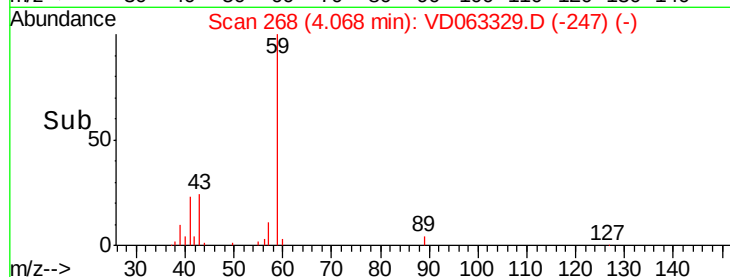
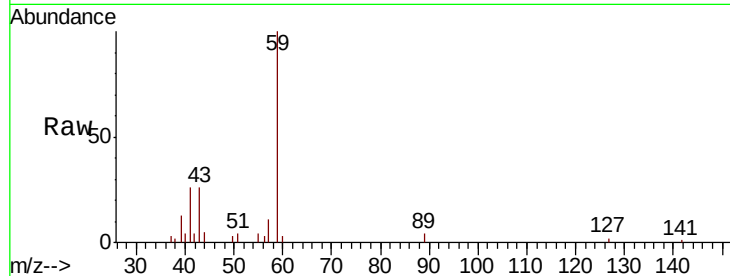




#11
Tert butyl alcohol
Concen: 219.125 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

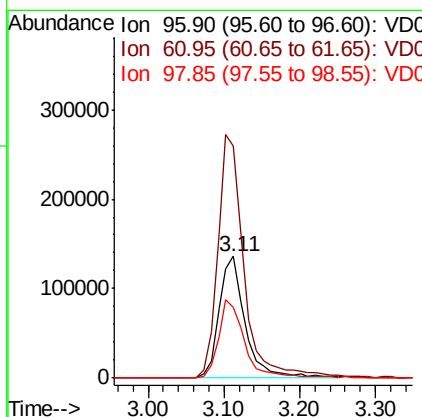
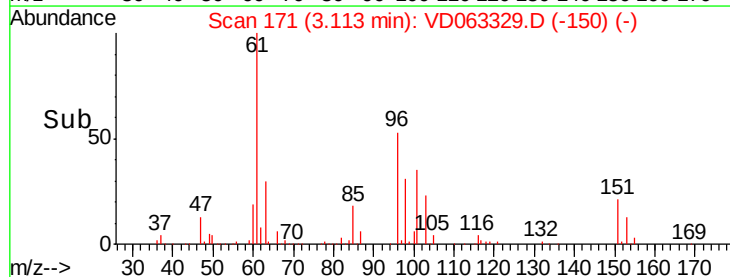
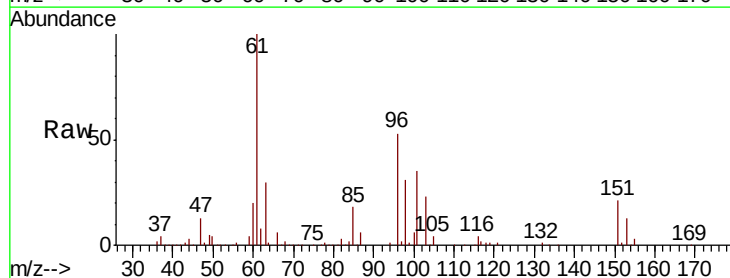
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

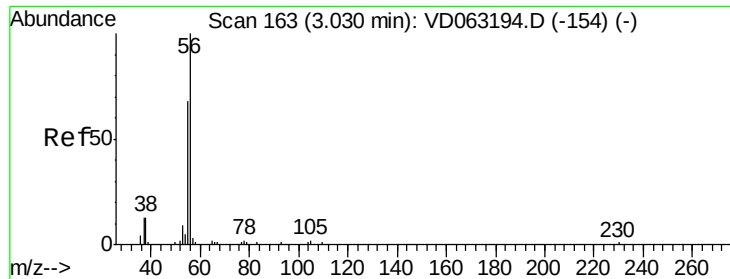
Tgt Ion: 59 Resp: 97045
Ion Ratio Lower Upper
59 100
57 11.1 9.6 14.4



#12
1,1-Dichloroethene
Concen: 46.664 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 96 Resp: 329186
Ion Ratio Lower Upper
96 100
61 190.0 173.7 260.5
98 58.4 55.8 83.8





#13

Acrolein

Concen: 292.790 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

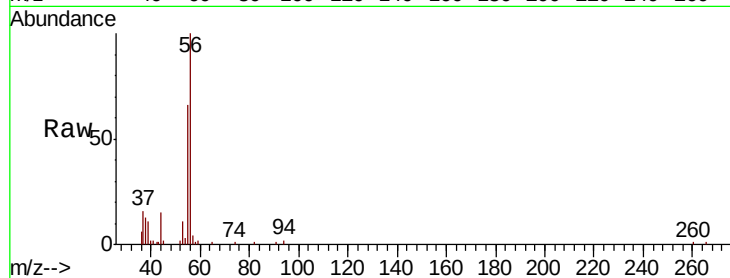
VSTDCCC050EC

Tgt Ion: 56 Resp: 124794

Ion Ratio Lower Upper

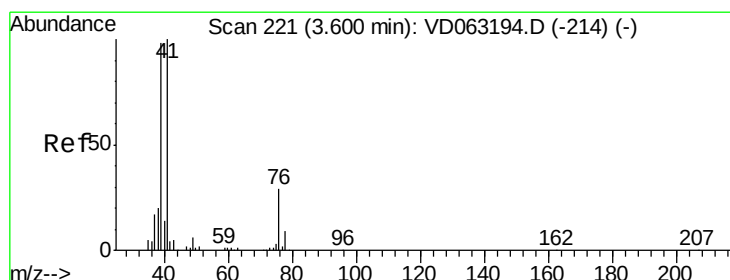
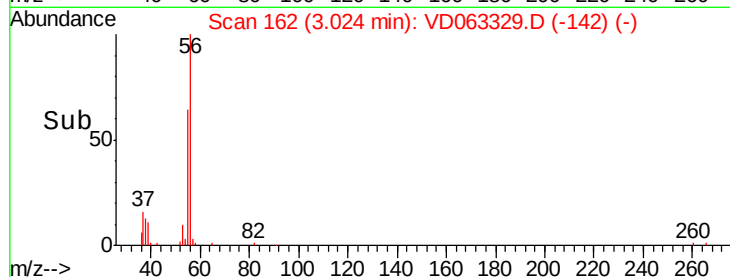
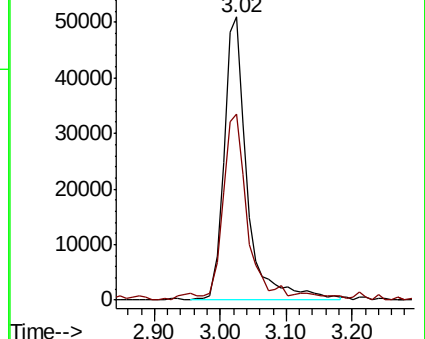
56 100

55 65.8 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.221 ug/l

RT: 3.60 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

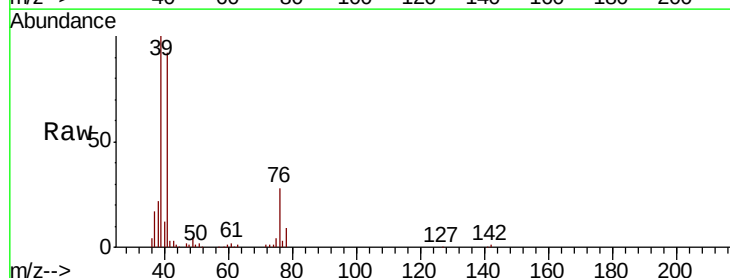
Tgt Ion: 41 Resp: 541901

Ion Ratio Lower Upper

41 100

39 108.5 78.6 117.8

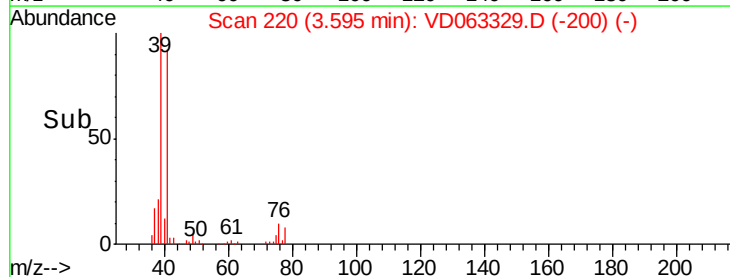
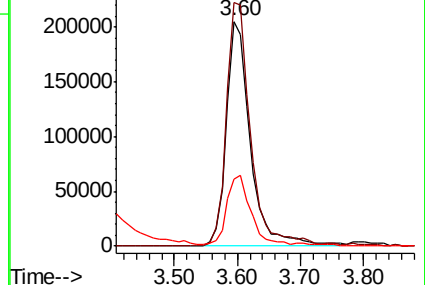
76 30.1 24.5 36.7

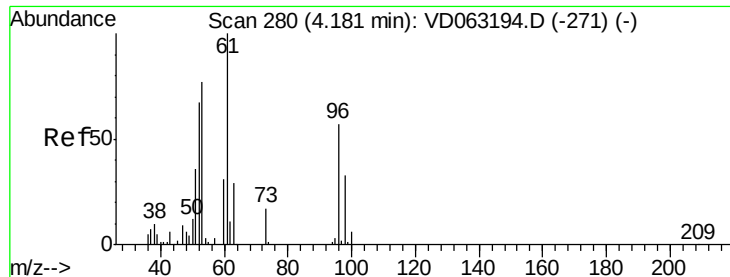


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 233.595 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

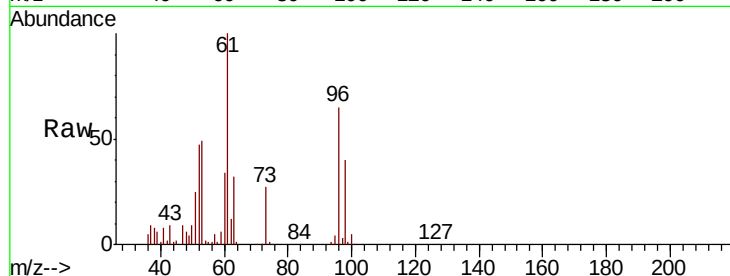
Tgt Ion: 53 Resp: 268211

Ion Ratio Lower Upper

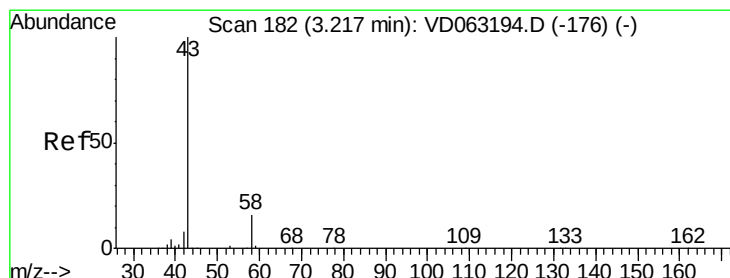
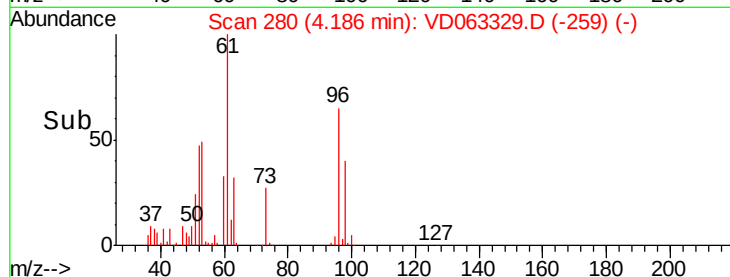
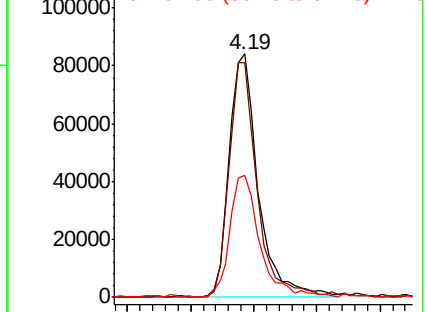
53 100

52 96.2 69.7 104.5

51 50.3 37.4 56.0



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



#16

Acetone

Concen: 218.179 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063329.D

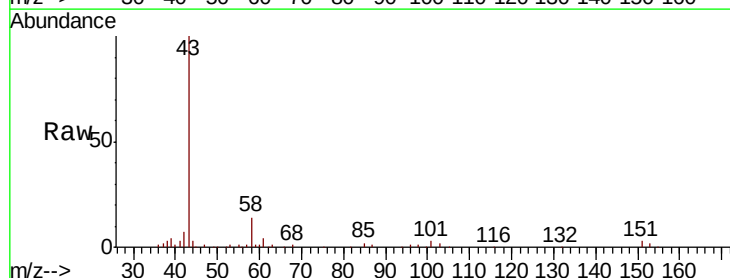
Acq: 2 Aug 2019 20:56

Tgt Ion: 43 Resp: 428998

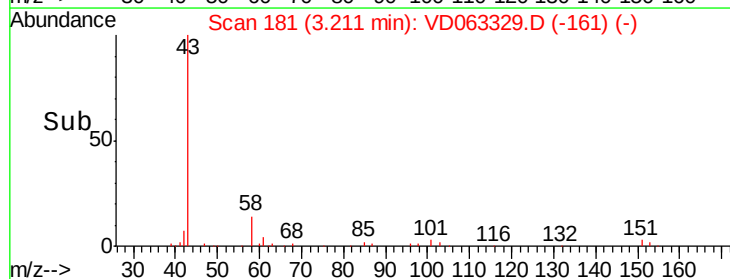
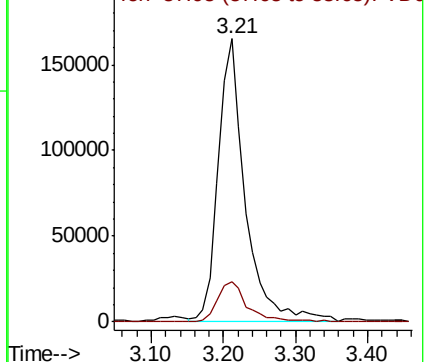
Ion Ratio Lower Upper

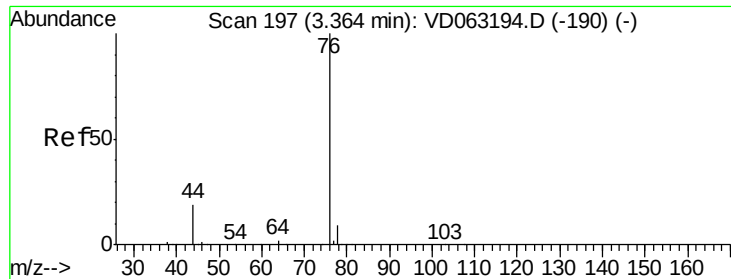
43 100

58 14.2 13.0 19.4



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

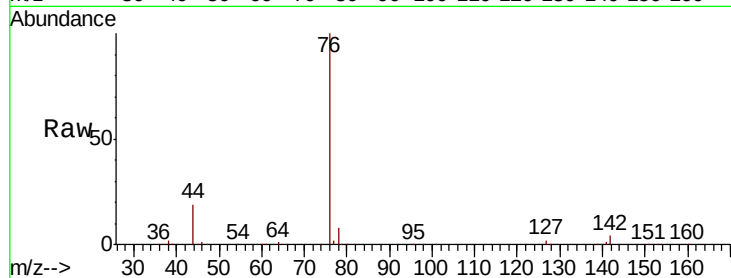




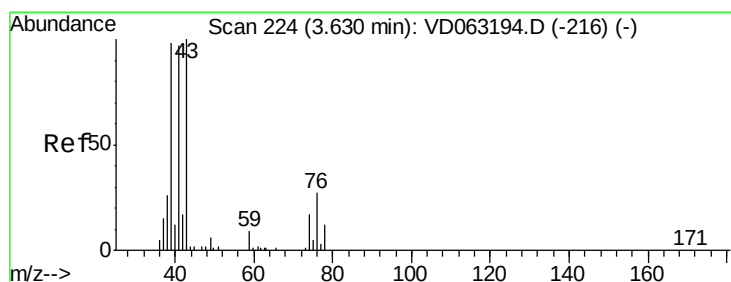
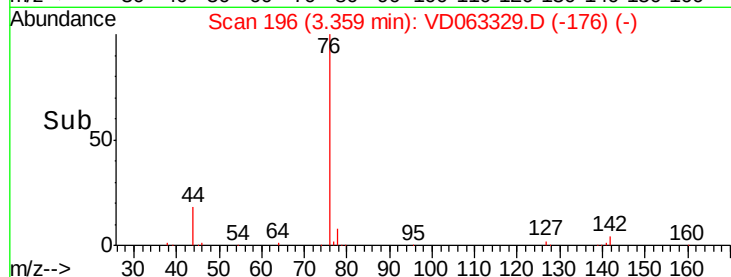
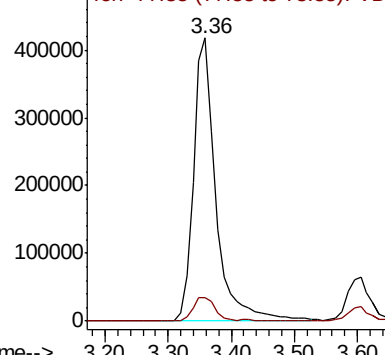
#17
Carbon Disulfide
Concen: 43.756 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1033147
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2

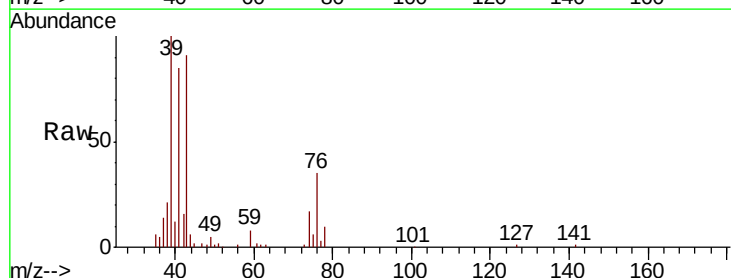


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

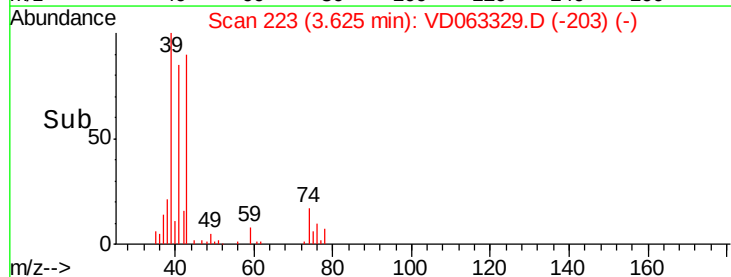
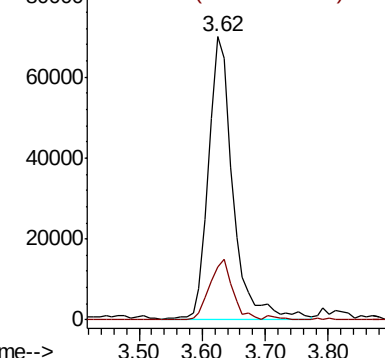


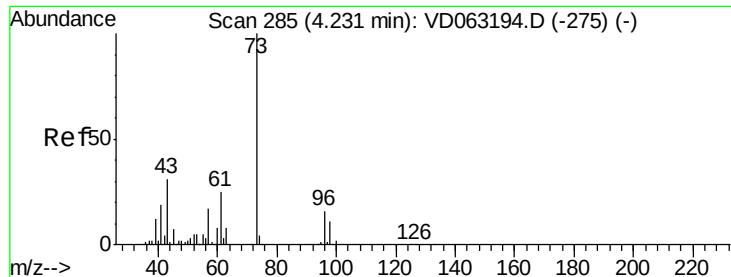
#18
Methyl Acetate
Concen: 49.781 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 43 Resp: 188015
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

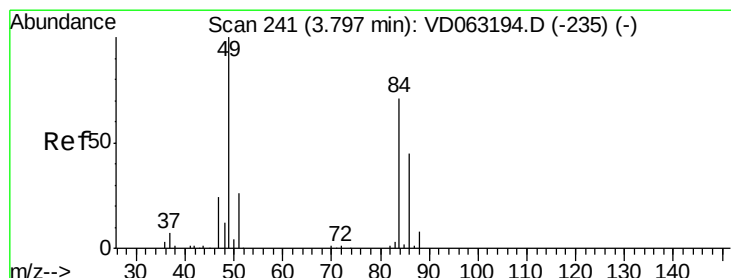
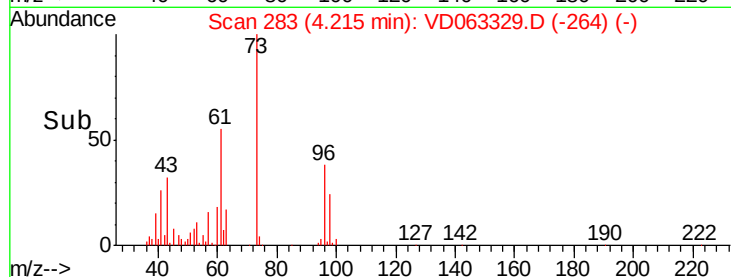
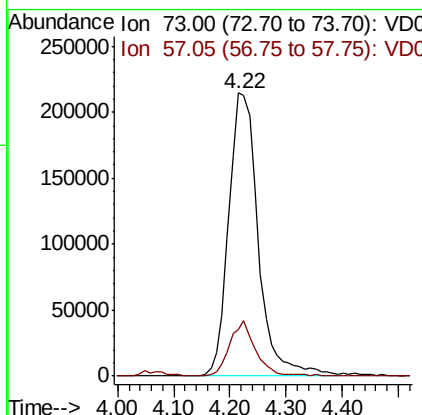
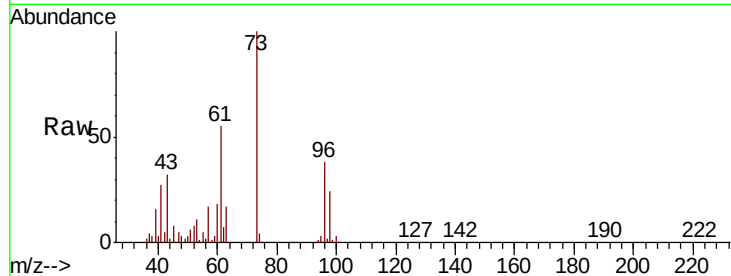




#19
Methyl tert-butyl Ether
Concen: 49.493 ug/l
RT: 4.22 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

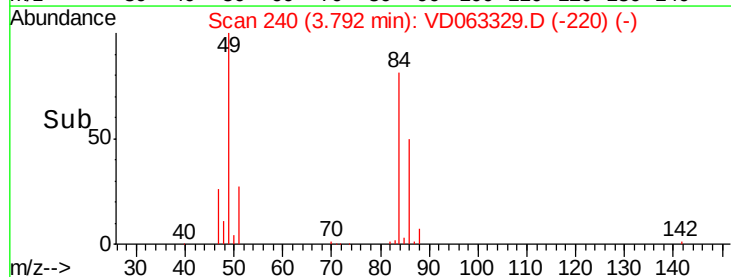
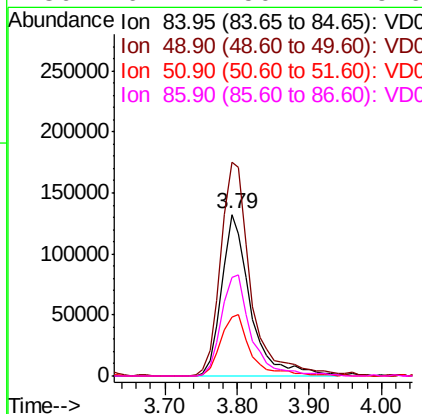
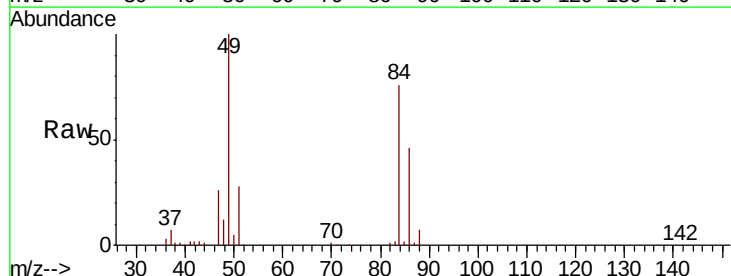
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

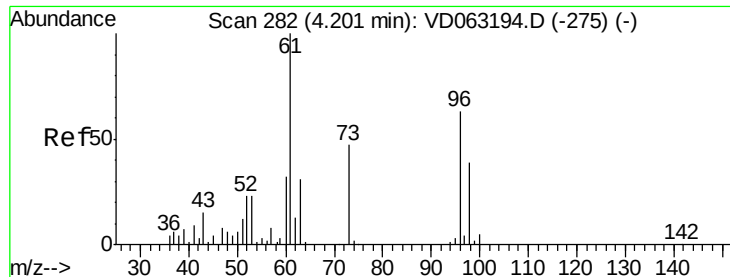
Tgt Ion: 73 Resp: 788675
Ion Ratio Lower Upper
73 100
57 16.6 13.8 20.6



#20
Methylene Chloride
Concen: 46.029 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 84 Resp: 365833
Ion Ratio Lower Upper
84 100
49 132.3 112.5 168.7
51 36.6 29.6 44.4
86 61.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 48.499 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

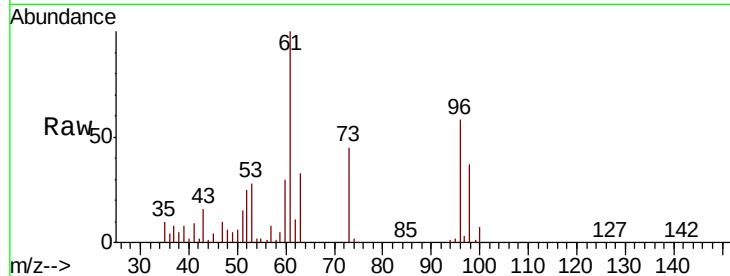
Tgt Ion: 96 Resp: 383884

Ion Ratio Lower Upper

96 100

61 172.1 127.4 191.2

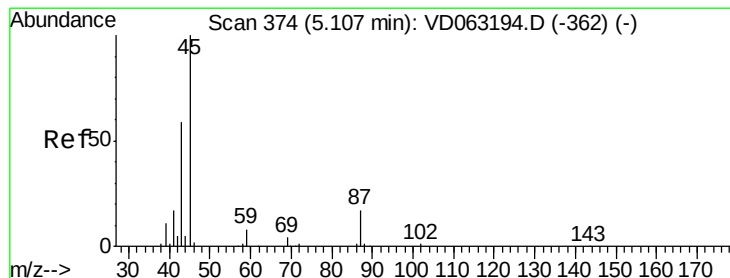
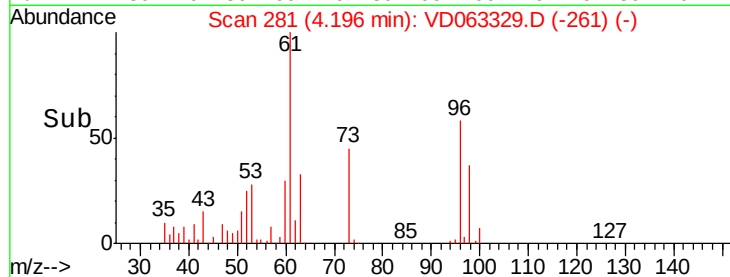
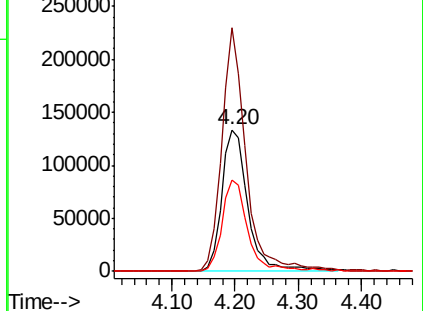
98 64.1 49.3 73.9



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: 50.510 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Tgt Ion: 45 Resp: 1134065

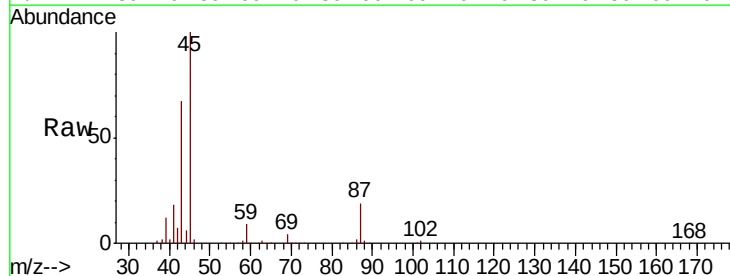
Ion Ratio Lower Upper

45 100

43 67.0 51.7 77.5

87 18.7 14.6 21.8

59 9.3 6.6 10.0

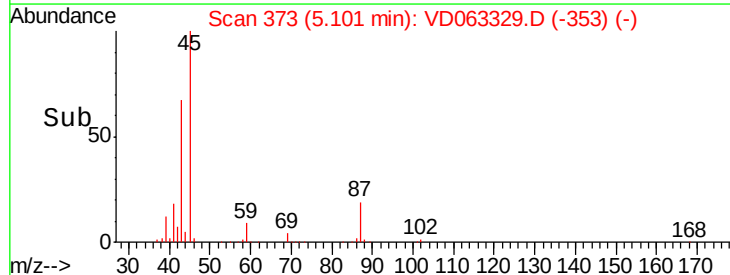
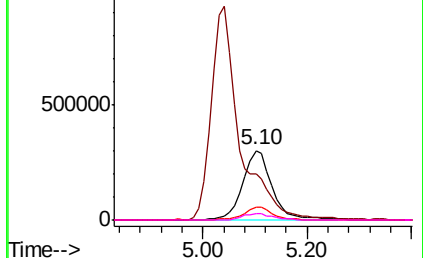


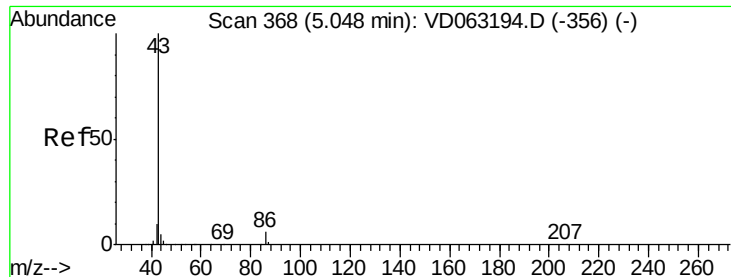
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 250.885 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

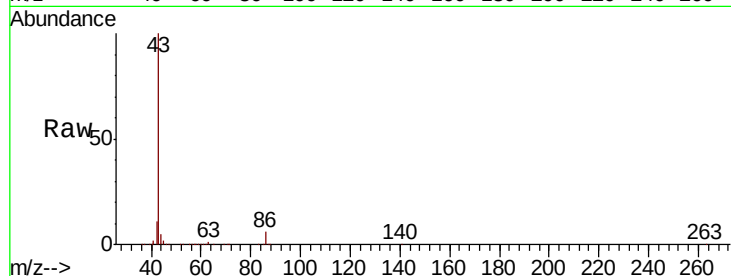
VSTDCCC050EC

Tgt Ion: 43 Resp: 3462565

Ion Ratio Lower Upper

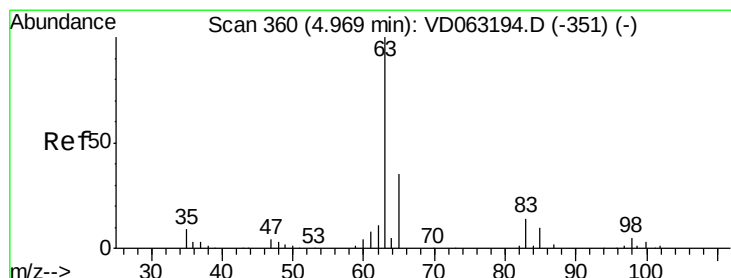
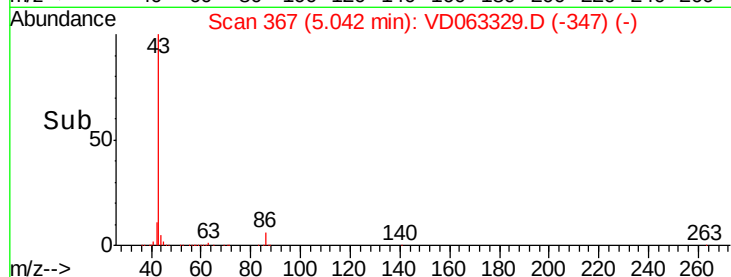
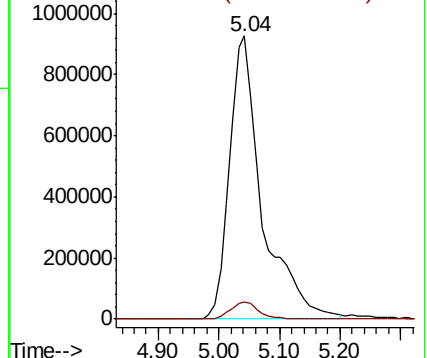
43 100

86 5.9 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.965 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

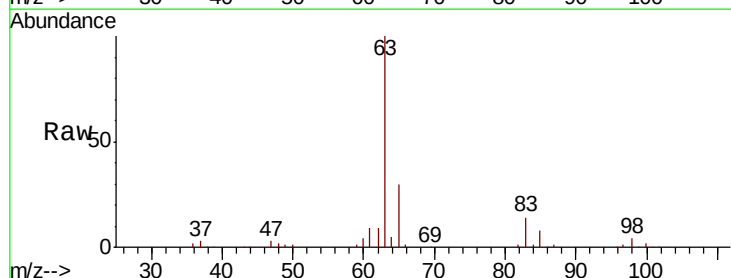
Tgt Ion: 63 Resp: 702220

Ion Ratio Lower Upper

63 100

98 4.1 2.8 8.4

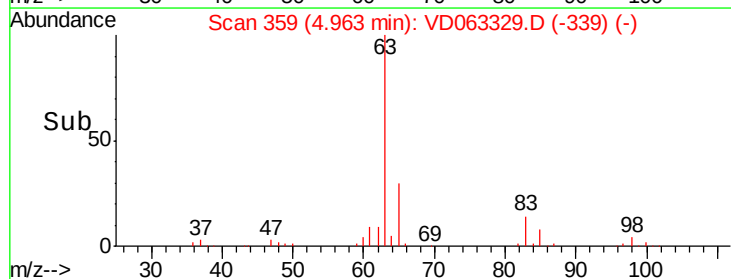
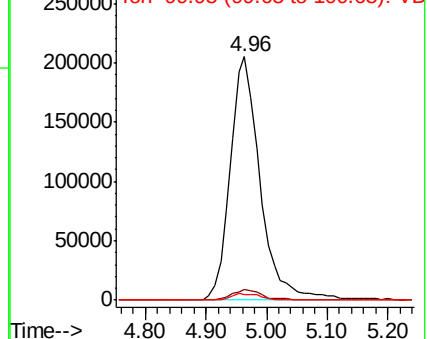
100 2.4 1.3 3.9

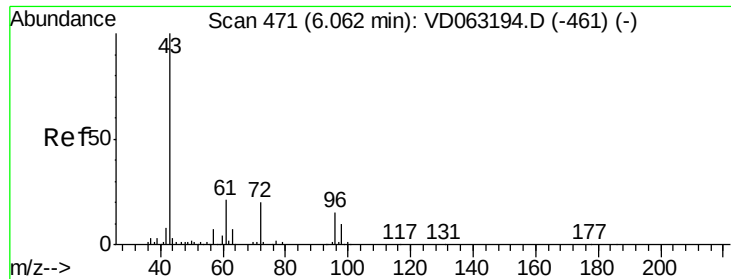


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 234.628 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

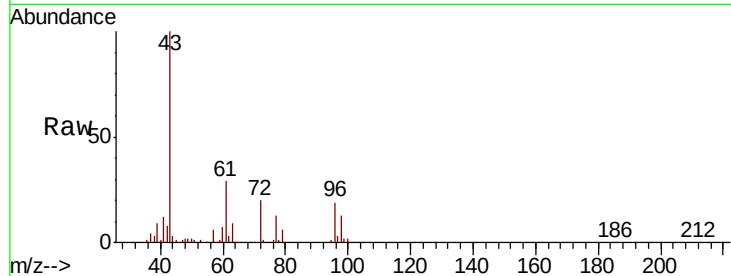
VSTDCCC050EC

Tgt Ion: 43 Resp: 462994

Ion Ratio Lower Upper

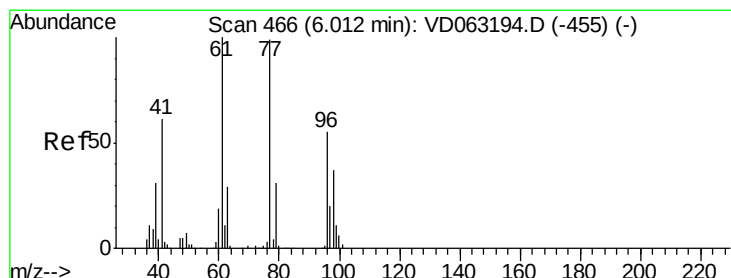
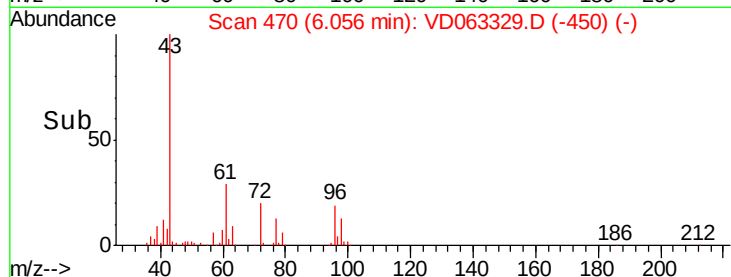
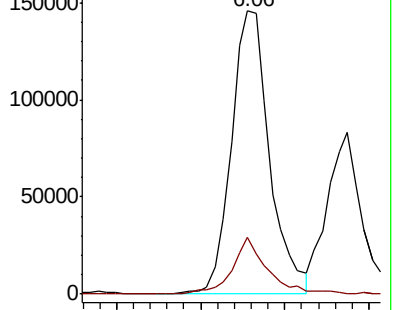
43 100

72 20.2 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.974 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063329.D

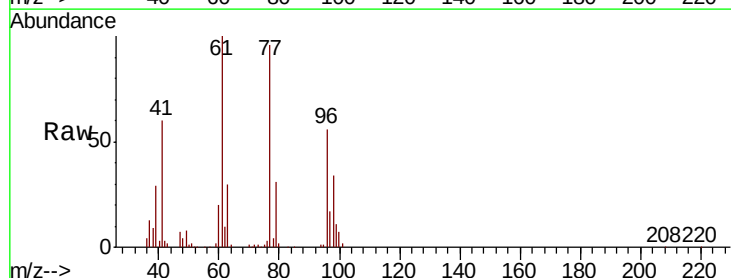
Acq: 2 Aug 2019 20:56

Tgt Ion: 77 Resp: 679469

Ion Ratio Lower Upper

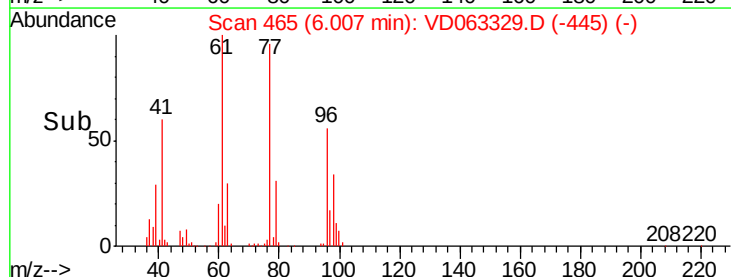
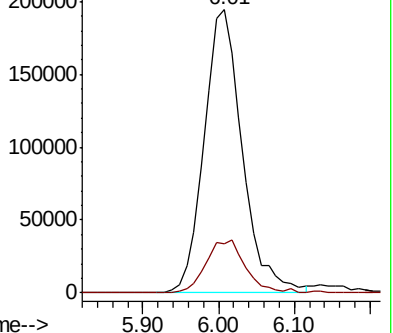
77 100

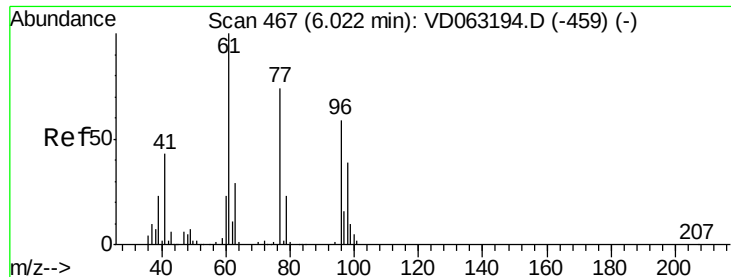
97 17.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 50.330 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

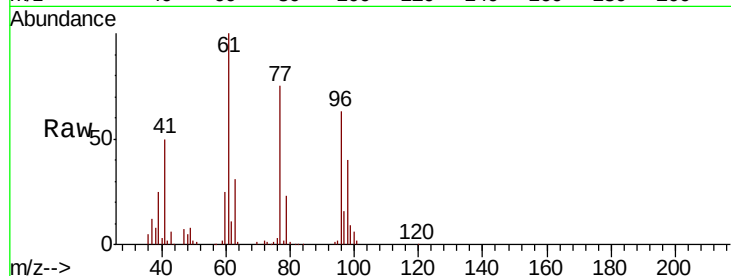
Tgt Ion: 96 Resp: 427116

Ion Ratio Lower Upper

96 100

61 159.9 0.0 337.2

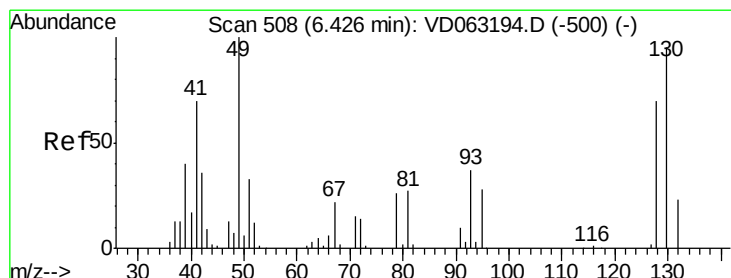
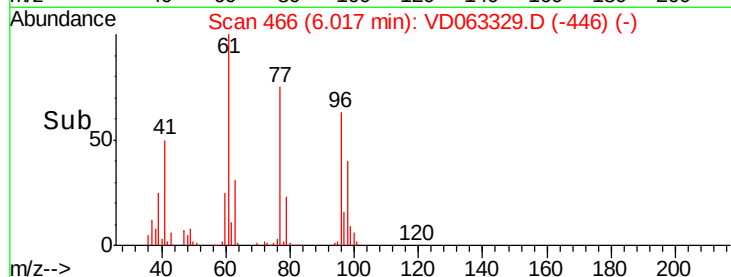
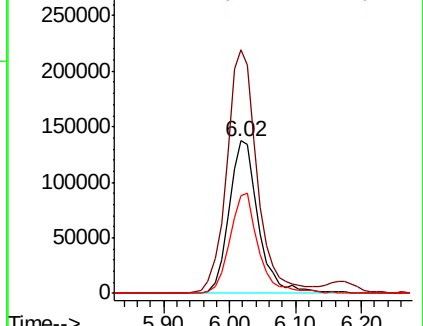
98 63.8 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 52.061 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

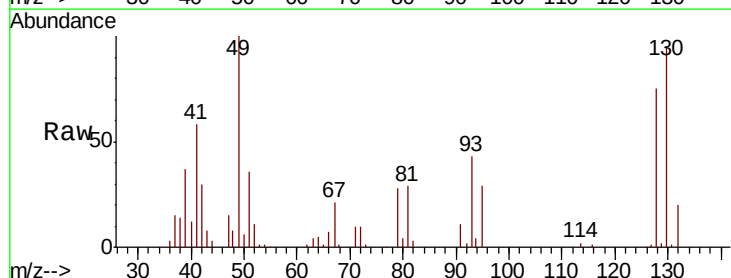
Tgt Ion: 49 Resp: 297477

Ion Ratio Lower Upper

49 100

129 2.2 0.0 0.0#

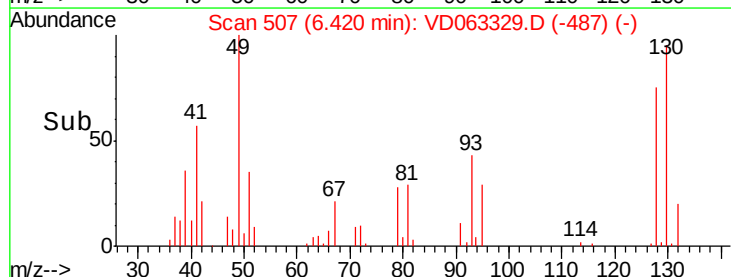
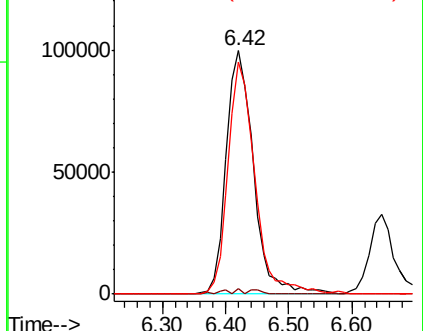
130 95.1 75.7 113.5

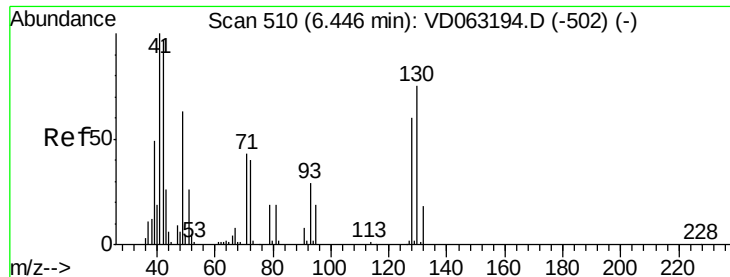


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 230.688 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

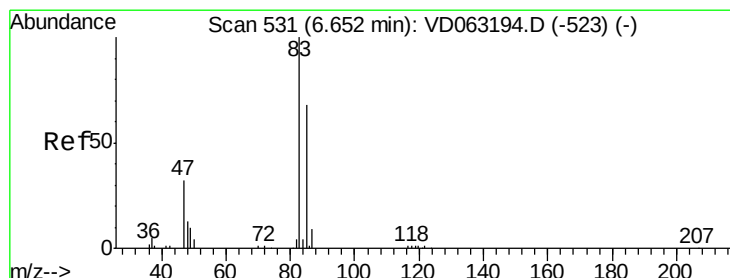
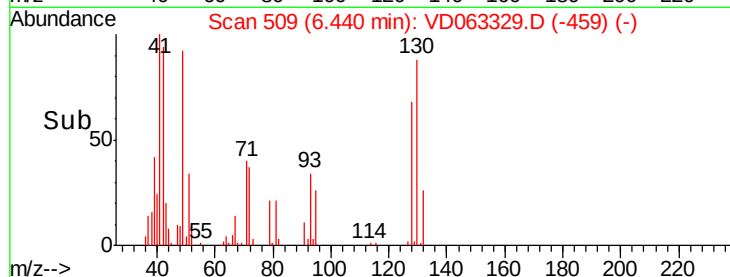
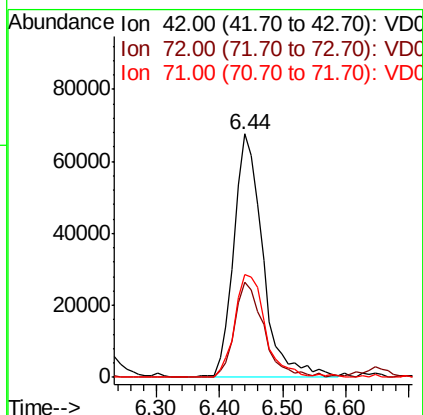
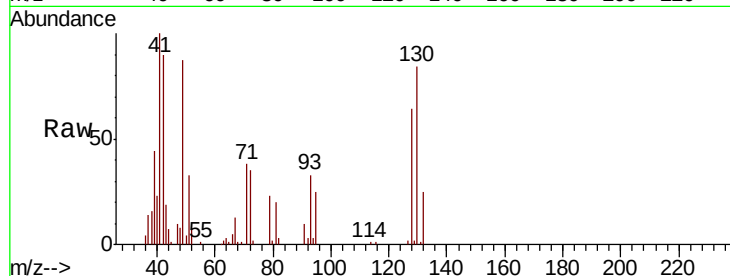
Tgt Ion: 42 Resp: 215523

Ion Ratio Lower Upper

42 100

72 39.4 33.4 50.2

71 43.9 35.7 53.5



#30

Chloroform

Concen: 52.580 ug/l

RT: 6.65 min Scan# 530

Delta R.T. -0.01 min

Lab File: VD063329.D

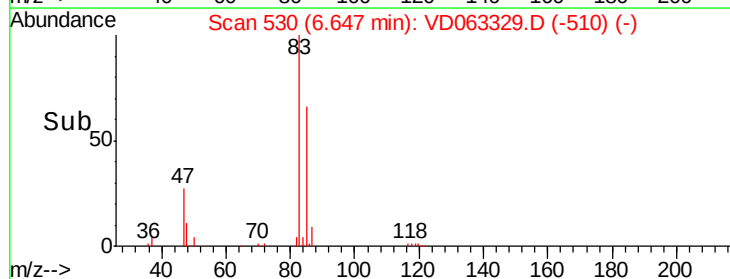
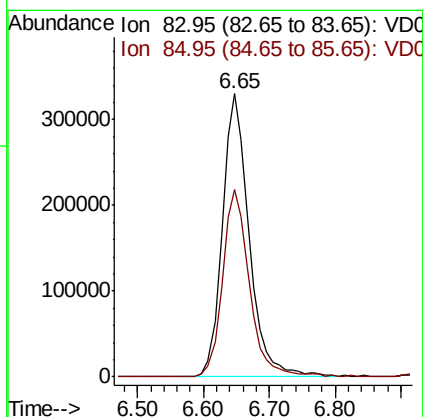
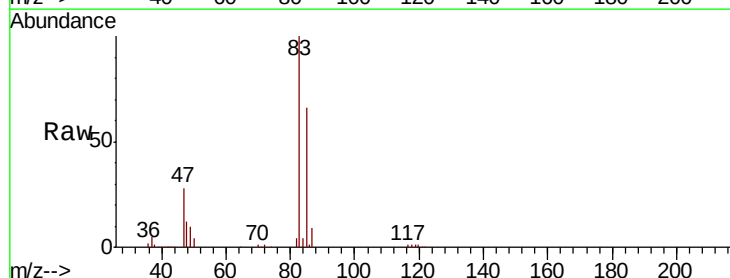
Acq: 2 Aug 2019 20:56

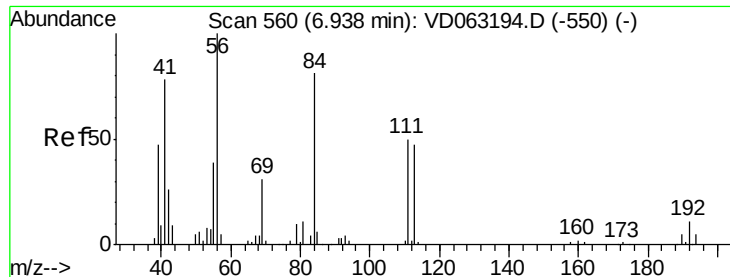
Tgt Ion: 83 Resp: 935806

Ion Ratio Lower Upper

83 100

85 66.3 54.2 81.4

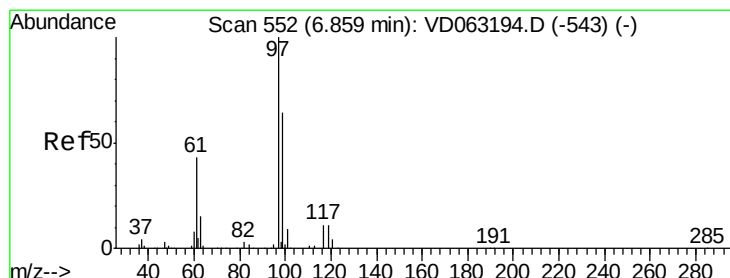
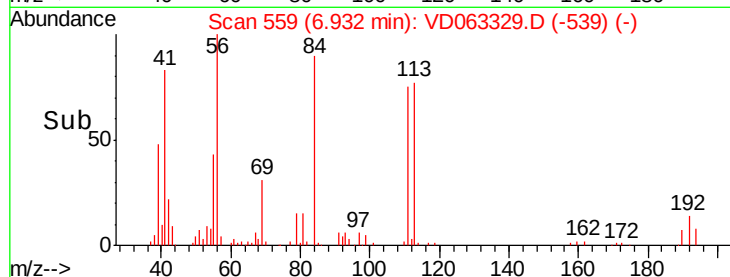
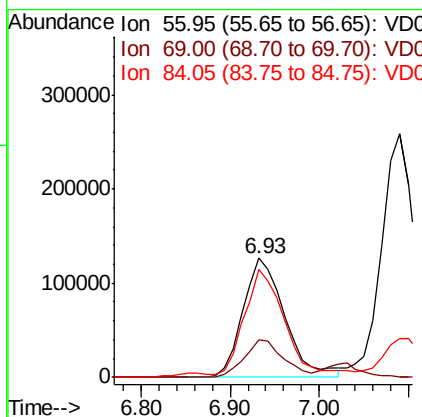
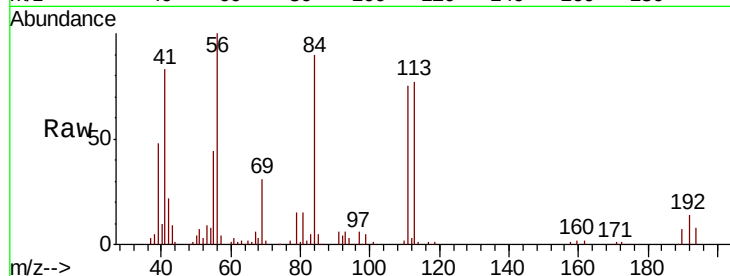




#31
Cyclohexane
Concen: 45.674 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

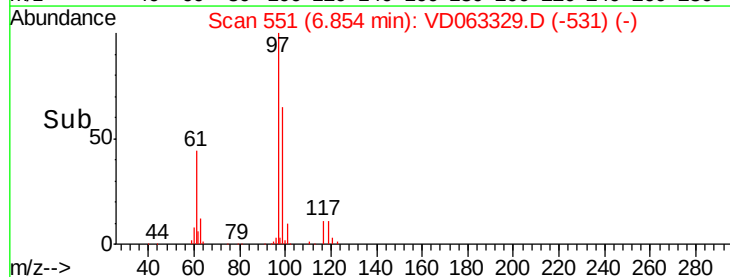
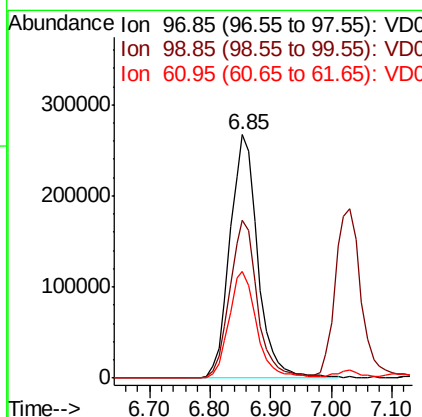
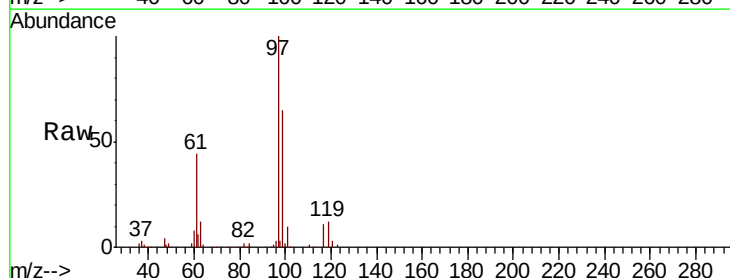
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

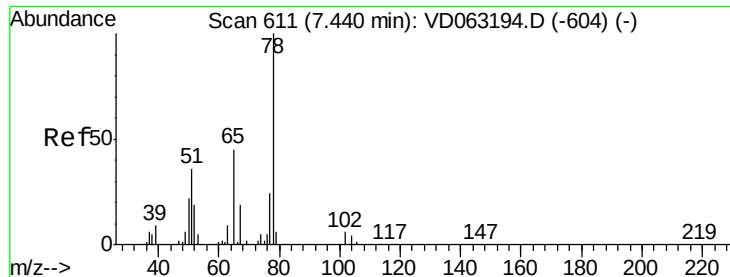
Tgt Ion: 56 Resp: 410577
Ion Ratio Lower Upper
56 100
69 31.0 24.5 36.7
84 90.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 49.629 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 97 Resp: 854370
Ion Ratio Lower Upper
97 100
99 64.7 51.2 76.8
61 43.6 34.2 51.2

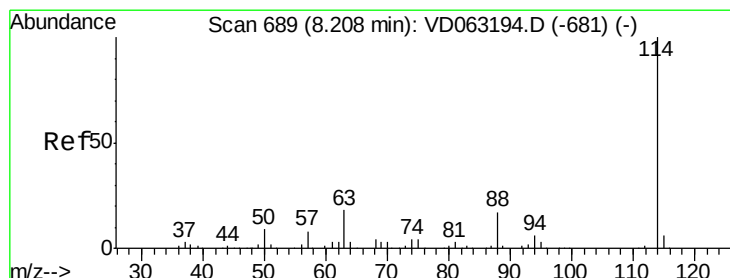
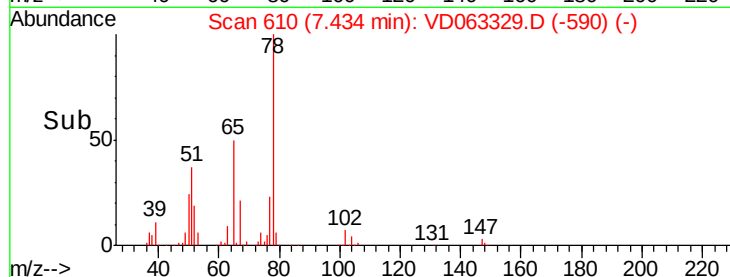
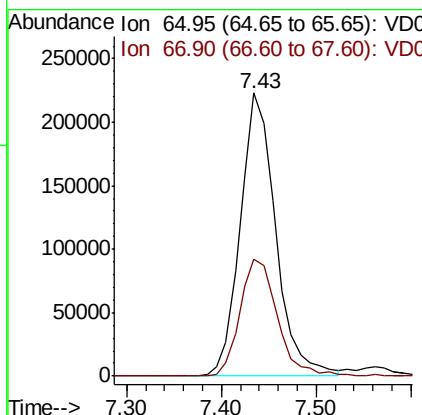
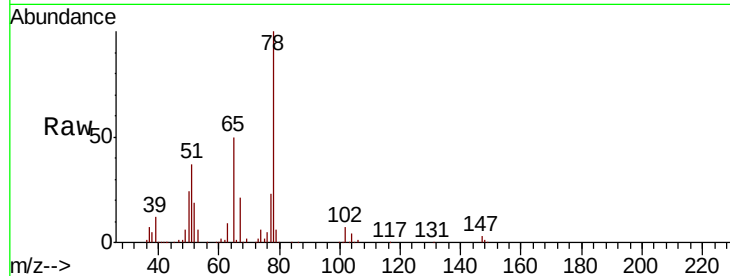




#33
 1,2-Dichloroethane-d4
 Concen: 57.493 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

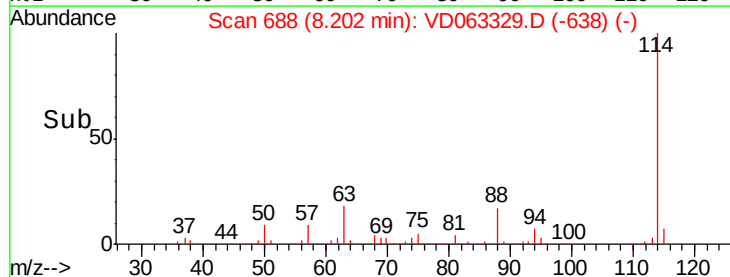
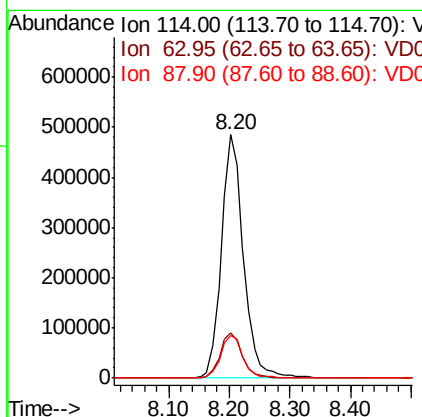
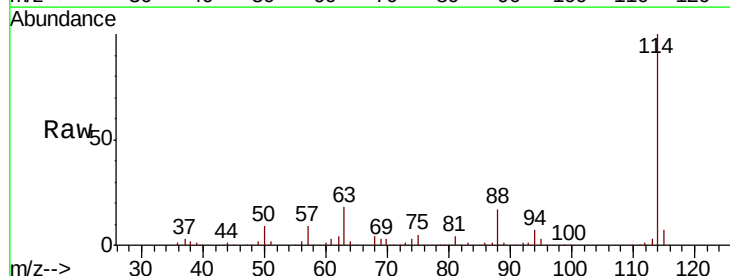
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

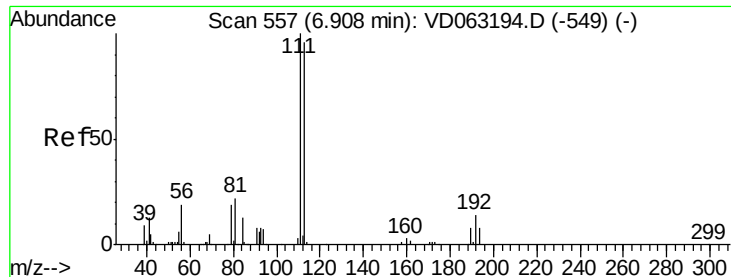
Tgt Ion: 65 Resp: 580208
 Ion Ratio Lower Upper
 65 100
 67 41.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Tgt Ion: 114 Resp: 1223978
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.2
 88 17.5 0.0 34.6

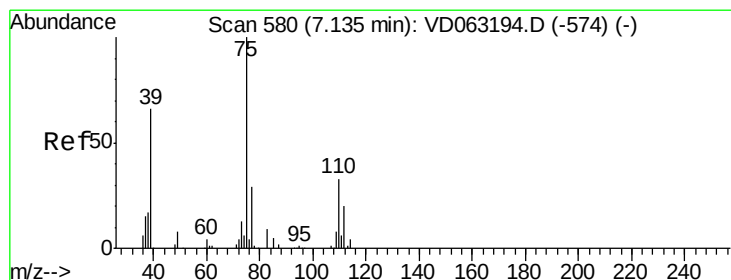
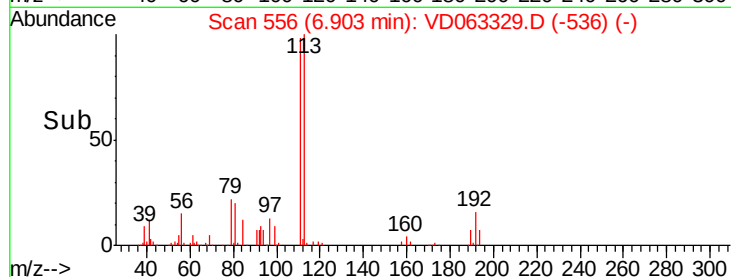
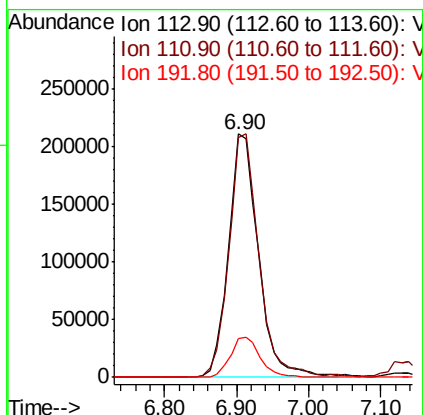
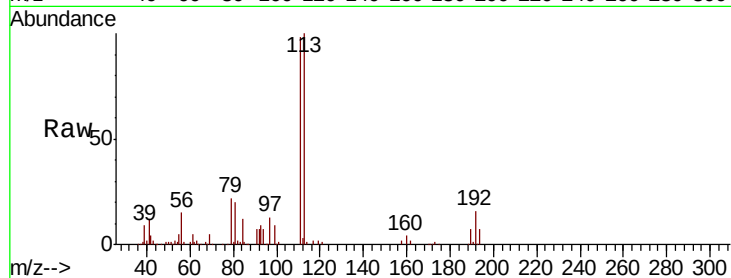




#35
 Dibromofluoromethane
 Concen: 58.470 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

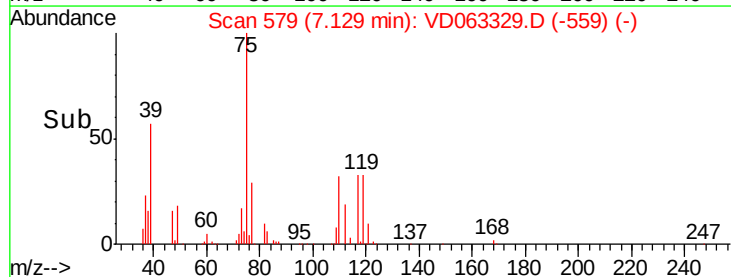
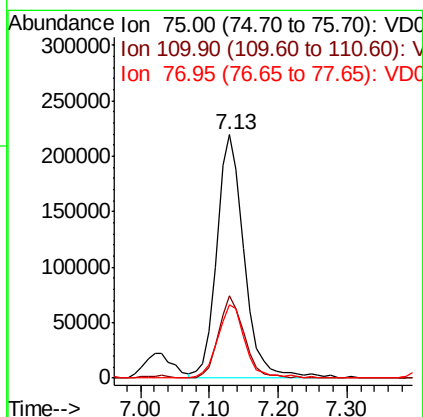
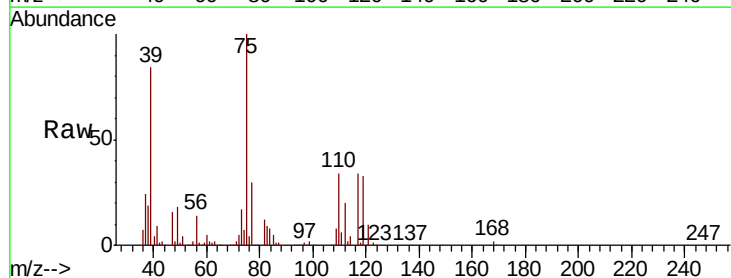
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

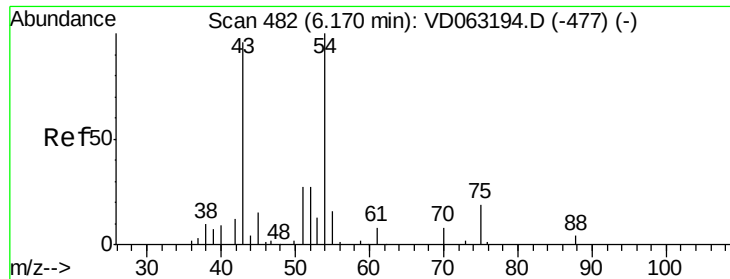
Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.5	83.2	124.8
192	16.0	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 53.502 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.1	48.2
77	30.3	22.7	34.1

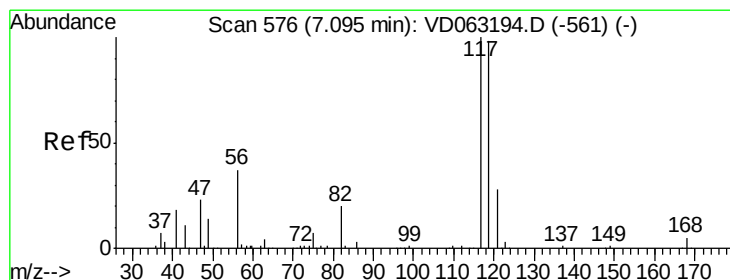
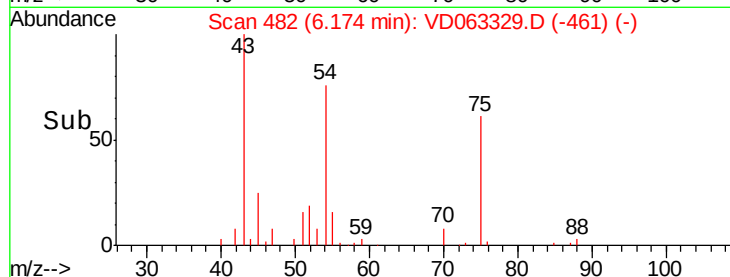
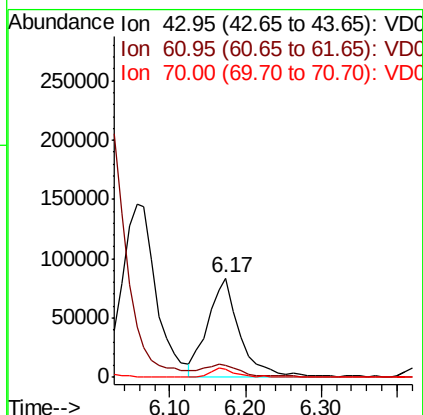
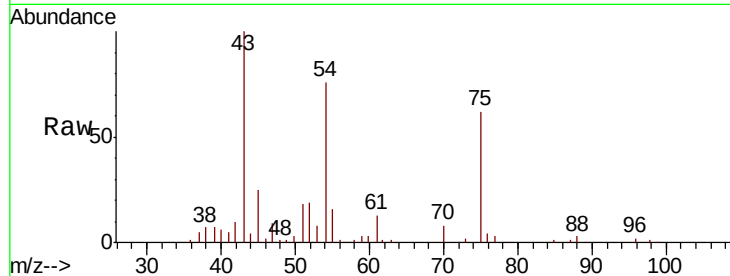




#37
 Ethyl Acetate
 Concen: 47.796 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

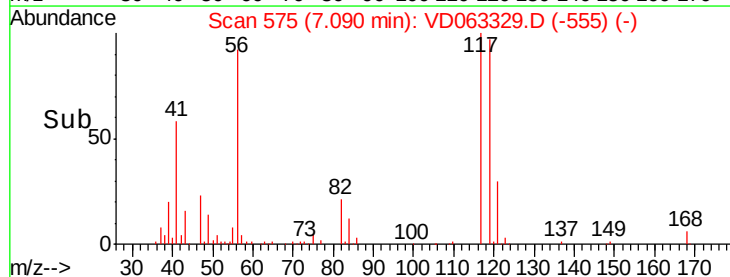
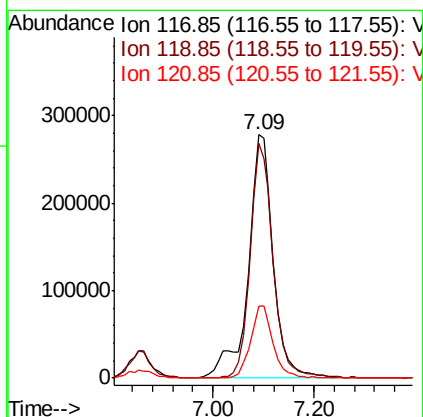
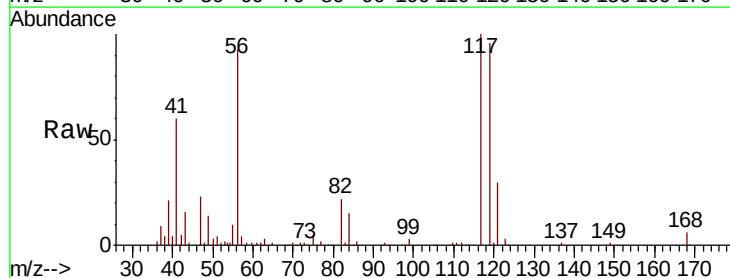
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

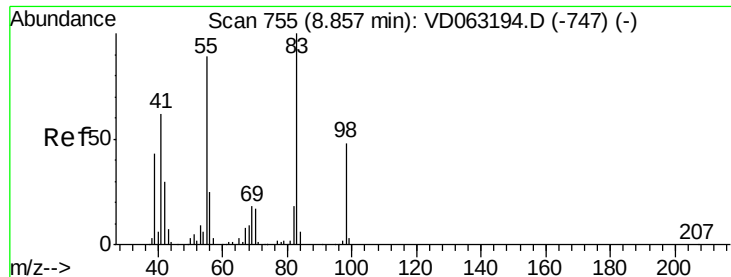
Tgt Ion: 43 Resp: 239860
 Ion Ratio Lower Upper
 43 100
 61 12.5 11.3 16.9
 70 7.6 5.1 7.7



#38
 Carbon Tetrachloride
 Concen: 56.955 ug/l
 RT: 7.09 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Tgt Ion: 117 Resp: 957796
 Ion Ratio Lower Upper
 117 100
 119 96.4 78.2 117.2
 121 29.6 22.1 33.1

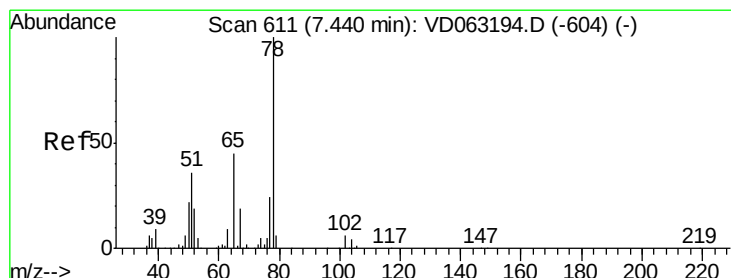
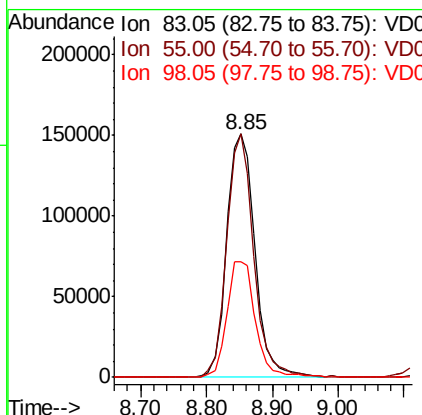
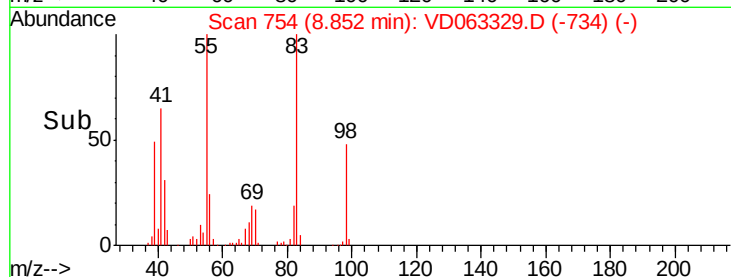
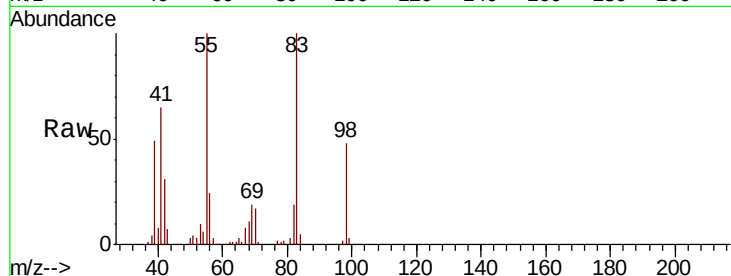




#39
Methylcyclohexane
Concen: 48.734 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

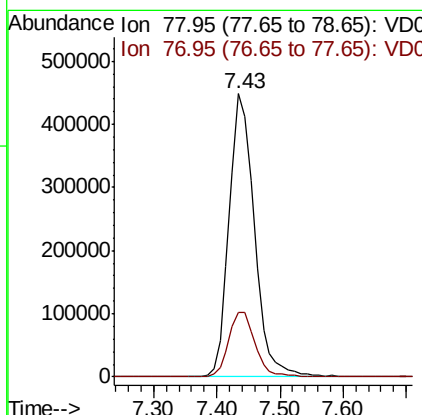
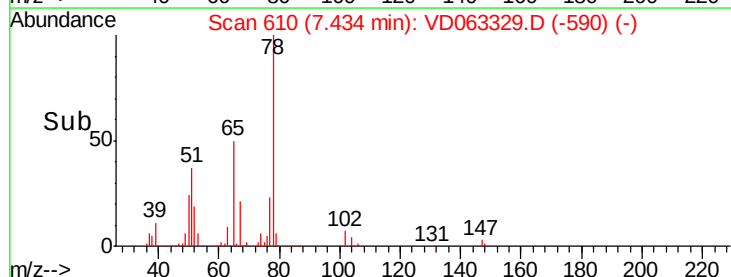
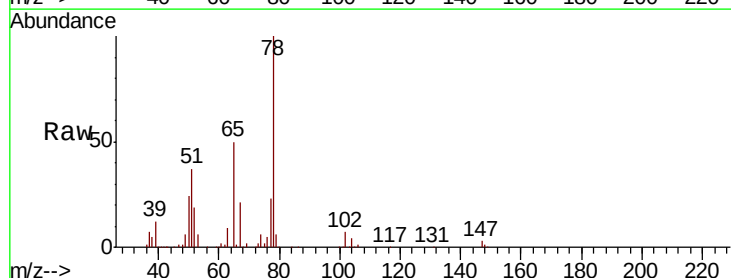
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

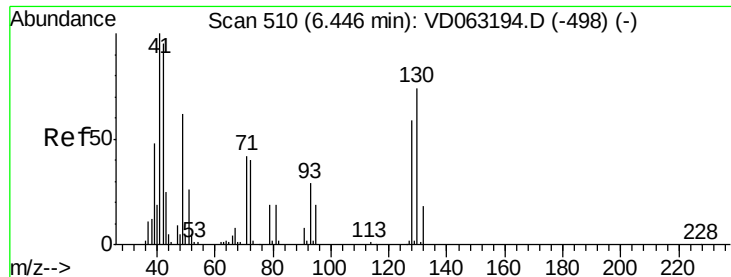
Tgt Ion: 83 Resp: 453554
Ion Ratio Lower Upper
83 100
55 100.0 71.1 106.7
98 47.6 38.5 57.7



#40
Benzene
Concen: 53.155 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 78 Resp: 1244411
Ion Ratio Lower Upper
78 100
77 23.0 19.4 29.2





#41

Methacrylonitrile

Concen: 49.318 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 296057

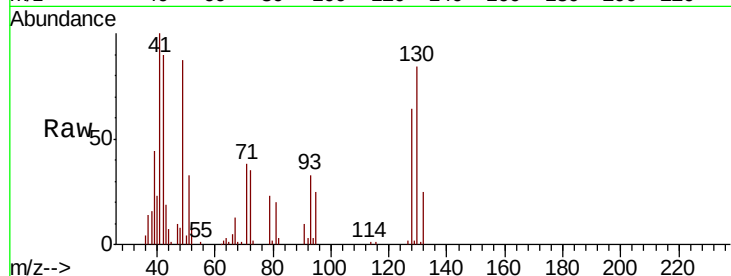
Ion Ratio Lower Upper

41 100

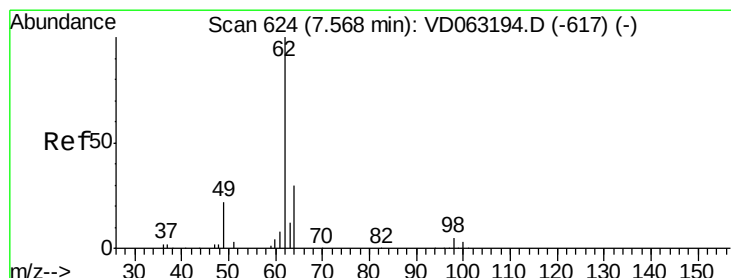
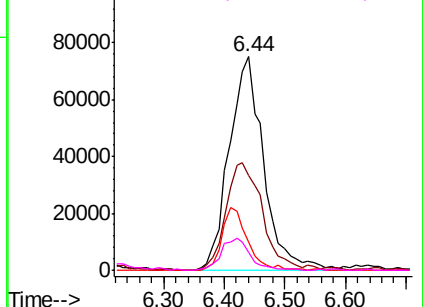
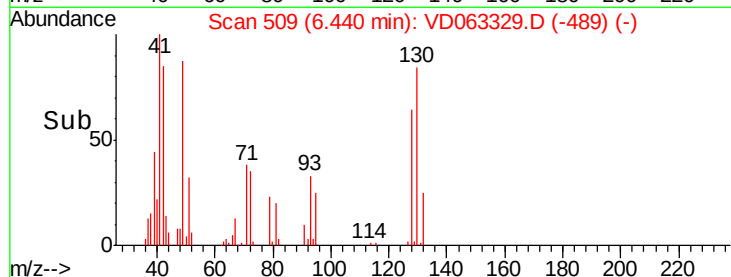
39 44.2 38.4 57.6

67 13.4 6.7 10.1#

52 8.2 4.3 6.5#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.192 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.01 min

Lab File: VD063329.D

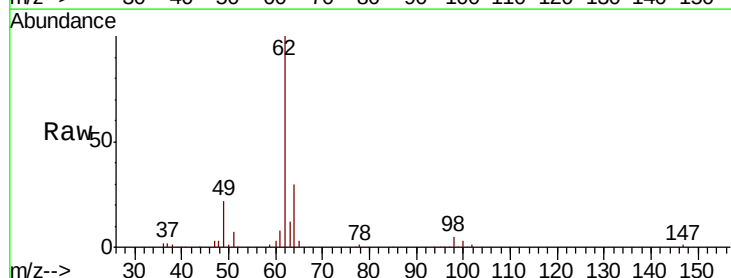
Acq: 2 Aug 2019 20:56

Tgt Ion: 62 Resp: 659965

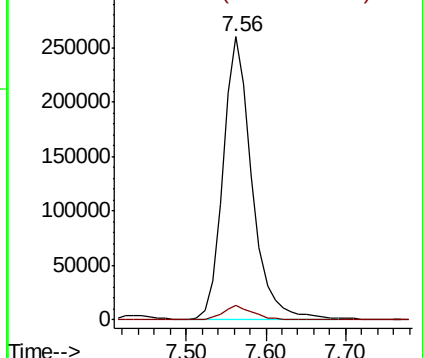
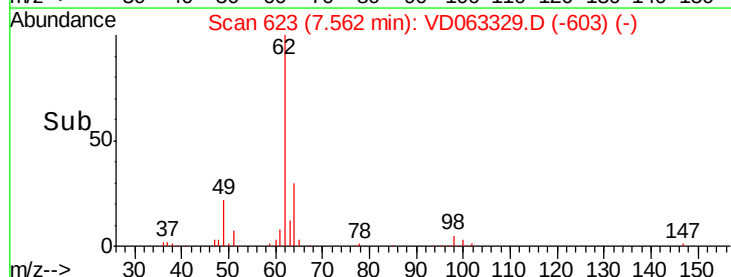
Ion Ratio Lower Upper

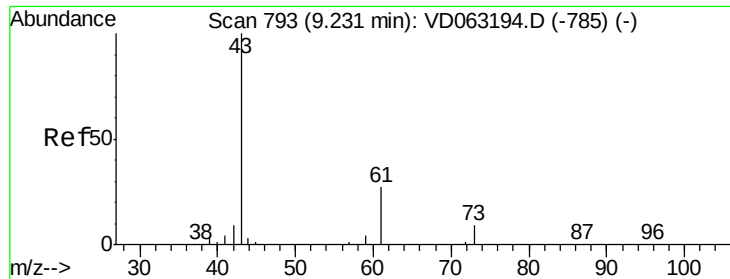
62 100

98 5.2 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 49.262 ug/l

RT: 9.23 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

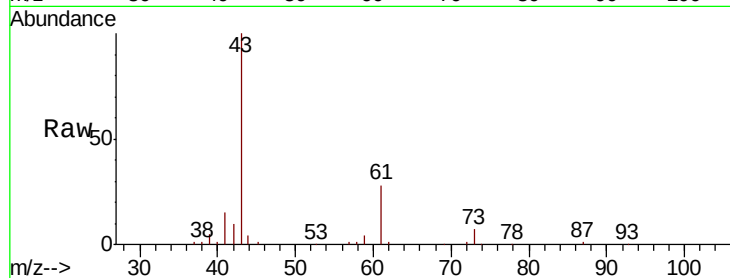
Tgt Ion: 43 Resp: 315793

Ion Ratio Lower Upper

43 100

61 27.8 21.4 32.0

87 0.7 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

9.23

150000

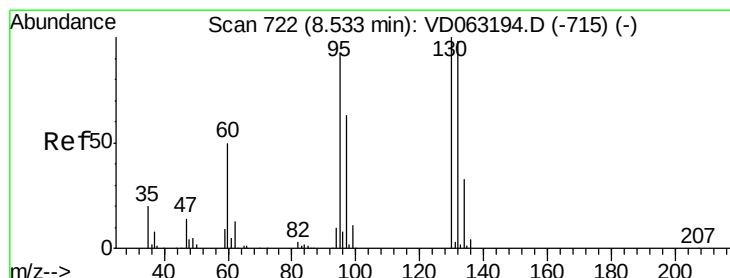
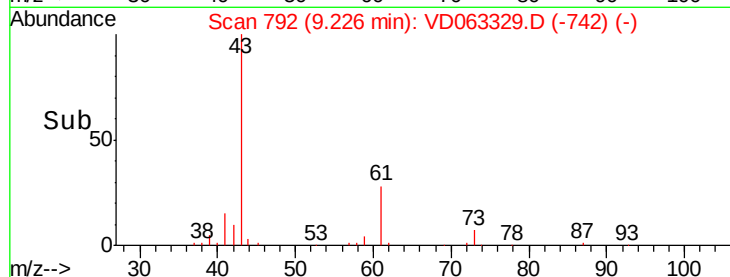
100000

50000

0

9.10 9.20 9.30 9.40

Time-->



#44

Trichloroethene

Concen: 48.211 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063329.D

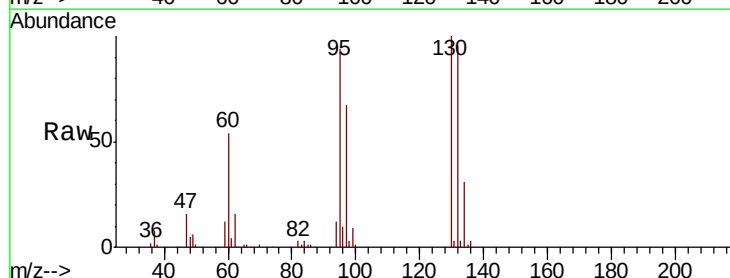
Acq: 2 Aug 2019 20:56

Tgt Ion: 130 Resp: 457353

Ion Ratio Lower Upper

130 100

95 93.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

8.53

200000

150000

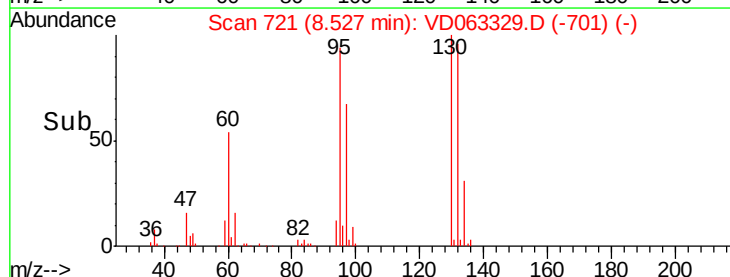
100000

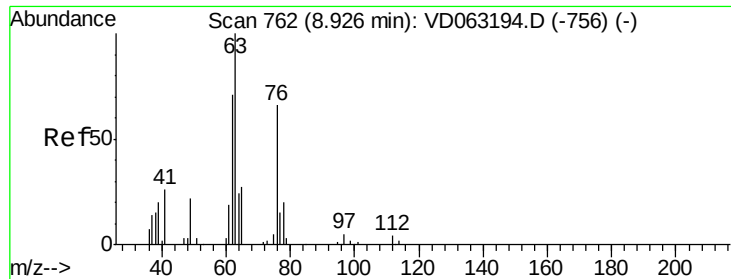
50000

0

8.40 8.50 8.60 8.70

Time-->





#45

1,2-Dichloropropane

Concen: 50.952 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

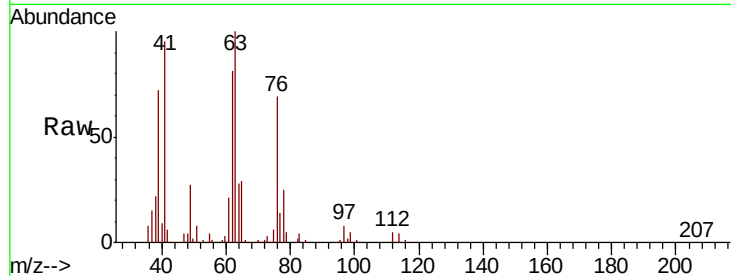
VSTDCCC050EC

Tgt Ion: 63 Resp: 303191

Ion Ratio Lower Upper

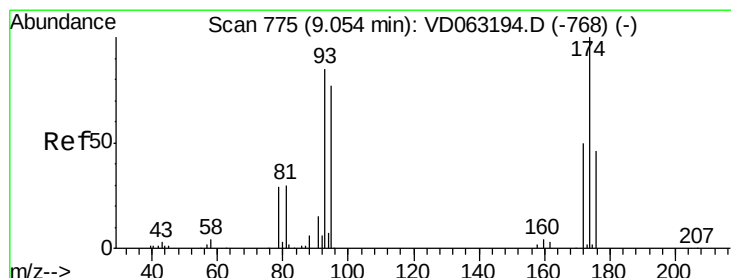
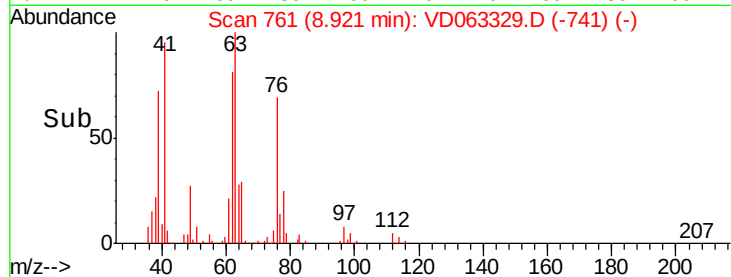
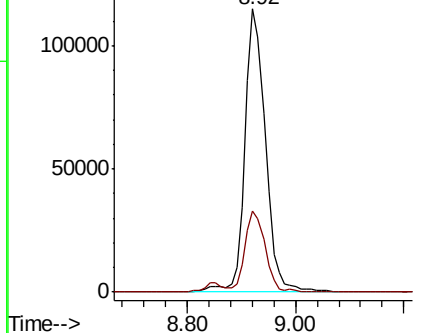
63 100

65 28.6 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: 52.871 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

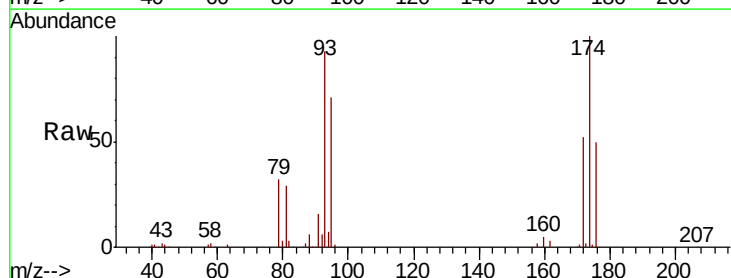
Tgt Ion: 93 Resp: 261589

Ion Ratio Lower Upper

93 100

95 76.3 72.8 109.2

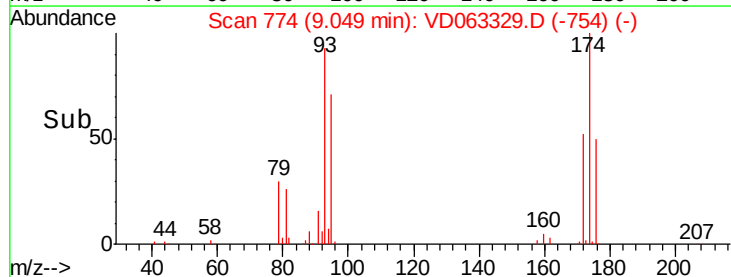
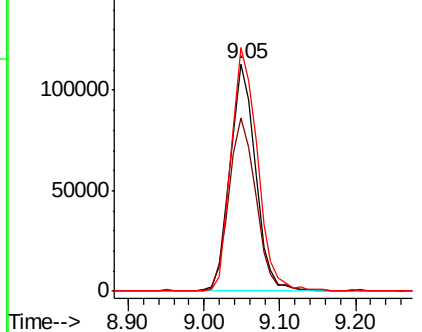
174 107.0 94.4 141.6

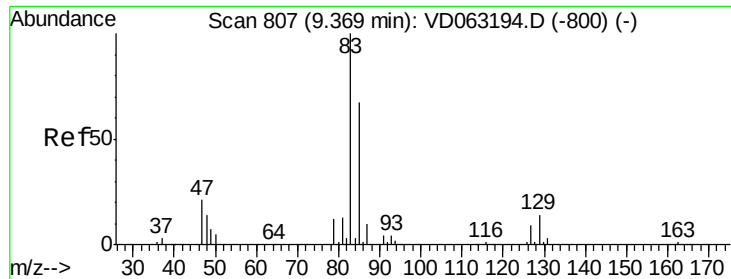


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 54.622 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

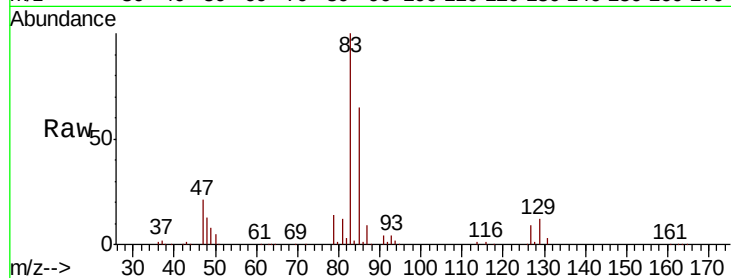
Tgt Ion: 83 Resp: 688903

Ion Ratio Lower Upper

83 100

85 64.5 53.6 80.4

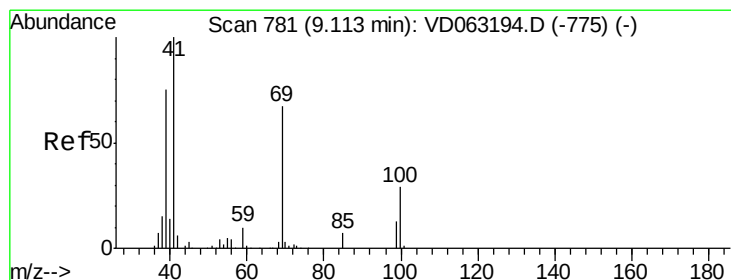
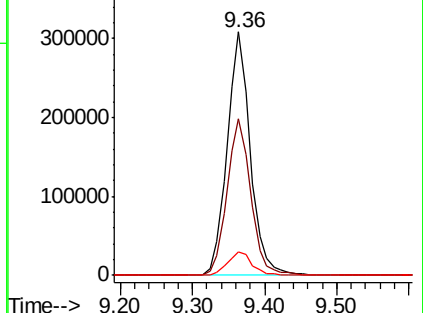
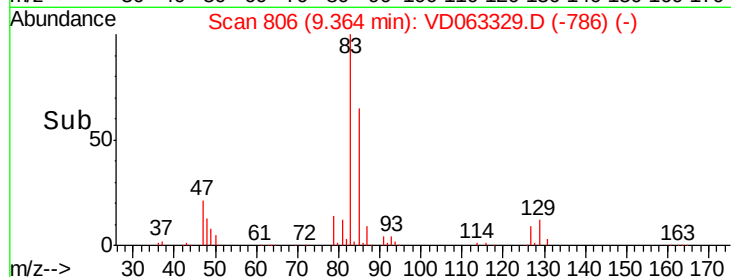
127 9.5 7.2 10.8



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: 51.744 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

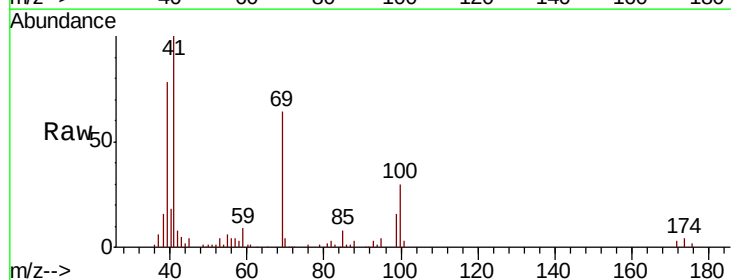
Tgt Ion: 41 Resp: 215128

Ion Ratio Lower Upper

41 100

69 63.7 53.4 80.0

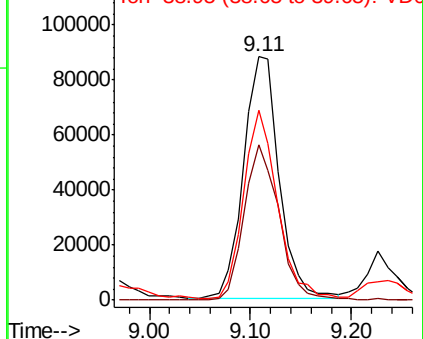
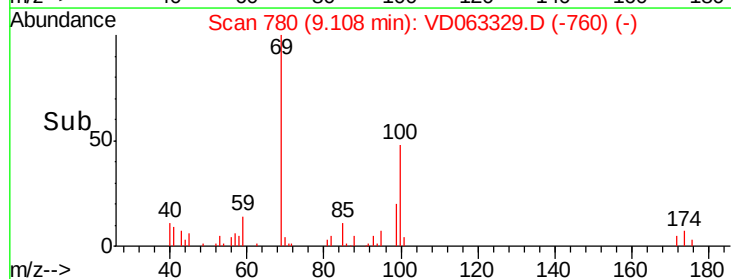
39 78.1 60.3 90.5

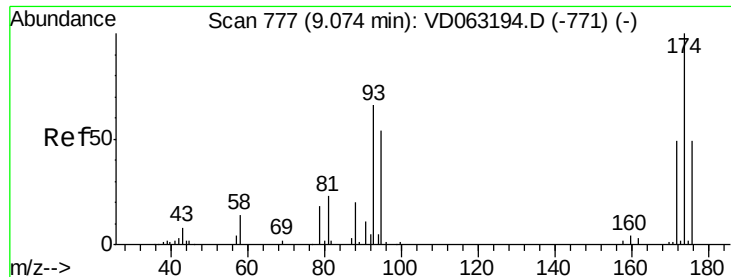


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

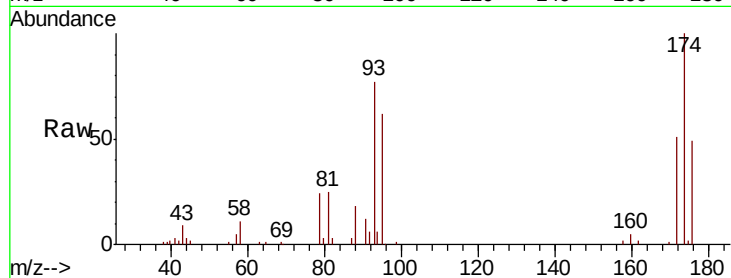




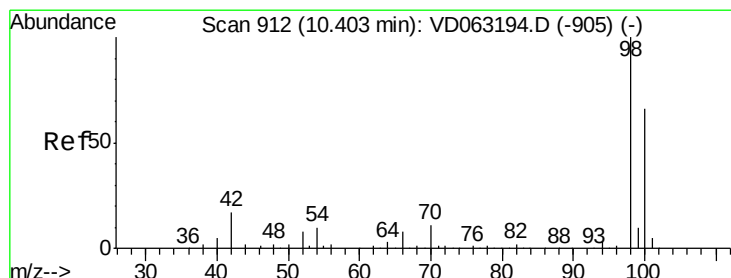
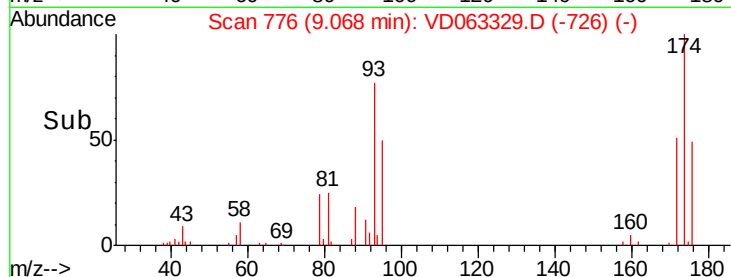
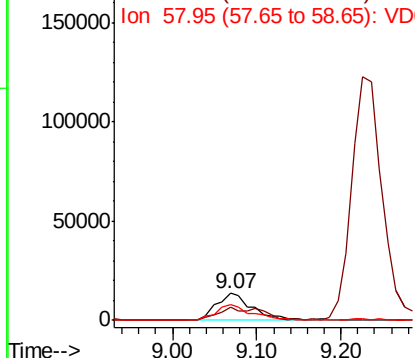
#49
1,4-Dioxane
Concen: 1178.809 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 41491
Ion Ratio Lower Upper
88 100
43 50.6 30.7 46.1#
58 58.6 56.5 84.7

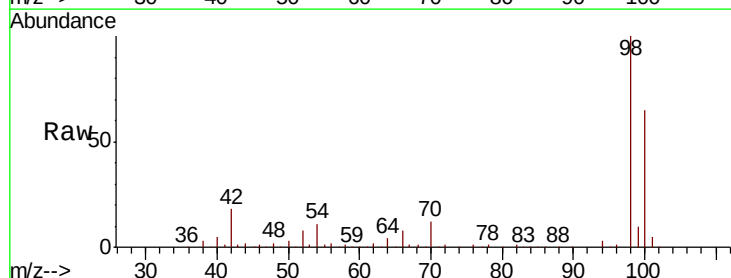


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

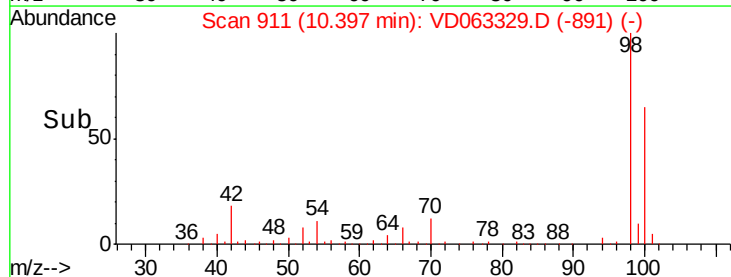
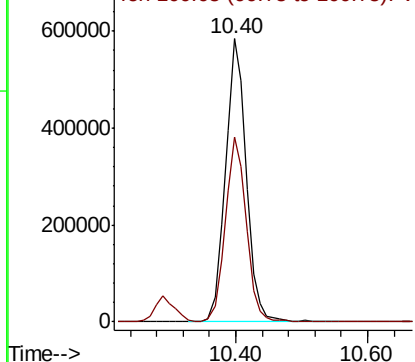


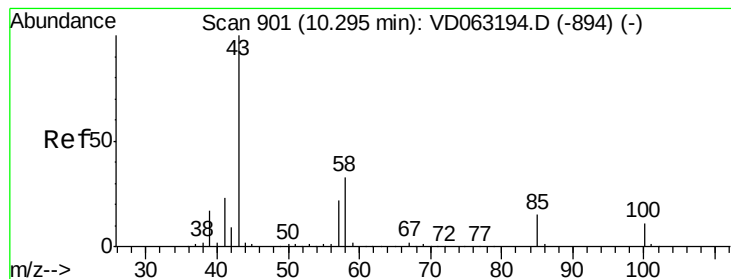
#50
Toluene-d8
Concen: 55.334 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 98 Resp: 1294128
Ion Ratio Lower Upper
98 100
100 65.4 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: 258.148 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

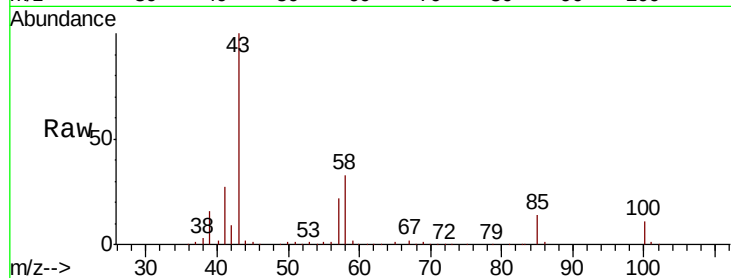
VSTDCCC050EC

Tgt Ion: 43 Resp: 1125436

Ion Ratio Lower Upper

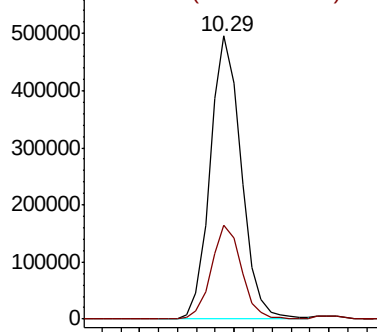
43 100

58 33.3 26.2 39.2

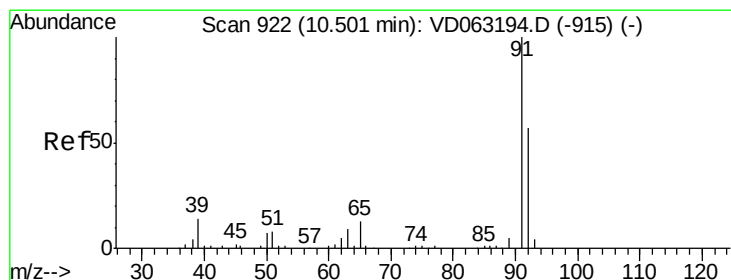
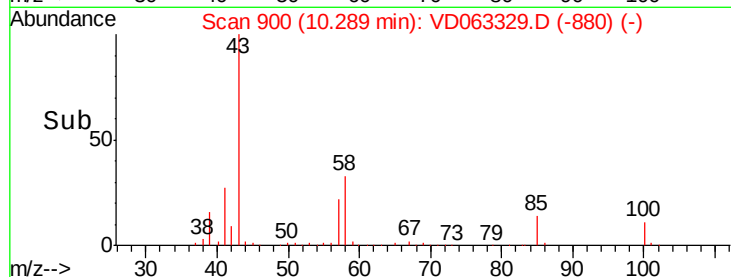


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 52.018 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063329.D

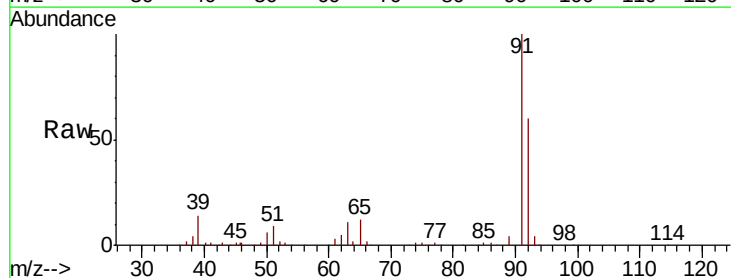
Acq: 2 Aug 2019 20:56

Tgt Ion: 92 Resp: 809961

Ion Ratio Lower Upper

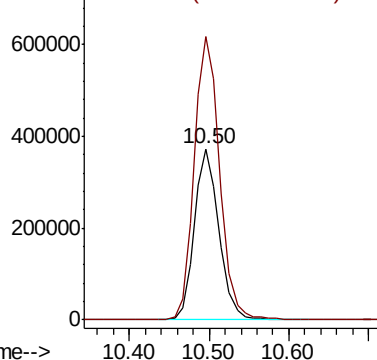
92 100

91 165.4 140.8 211.2

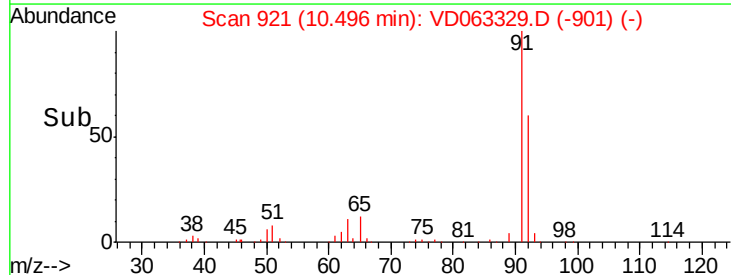


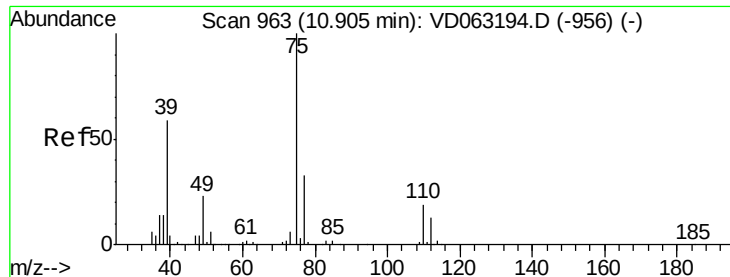
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->

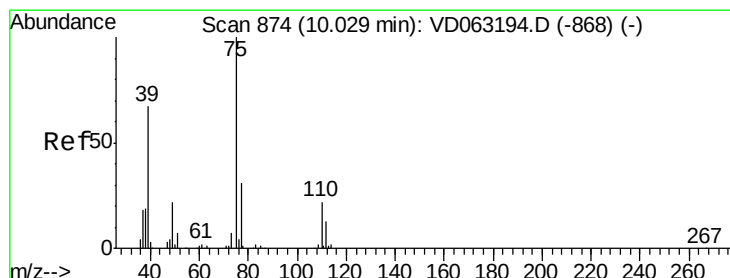
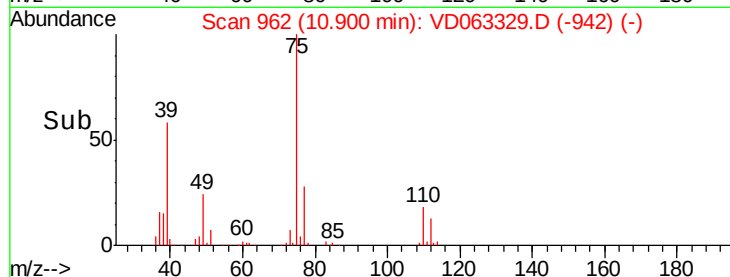
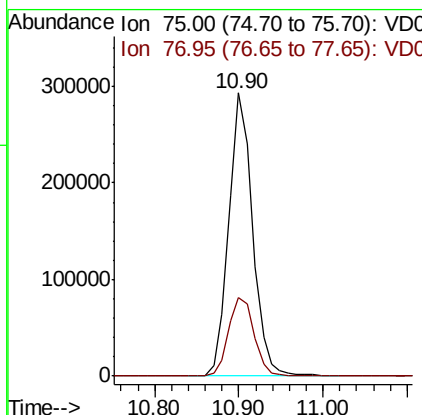
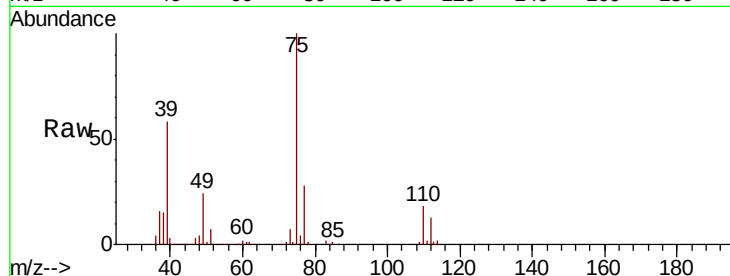




#53
t-1,3-Dichloropropene
Concen: 53.081 ug/l
RT: 10.90 min Scan# 962
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

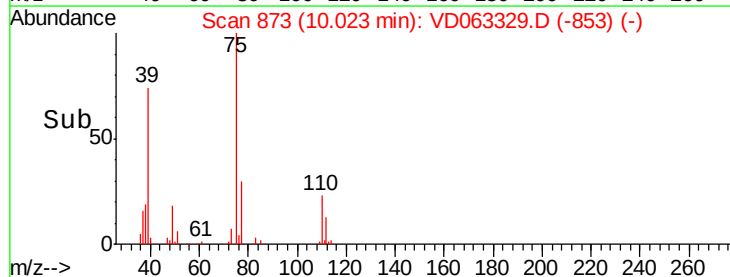
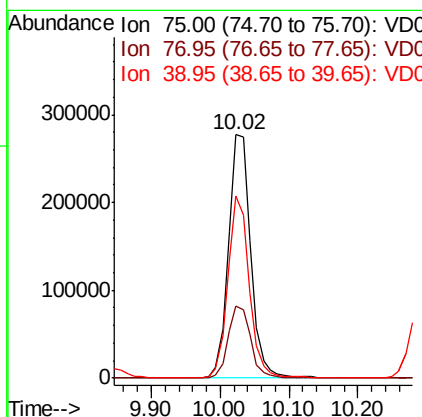
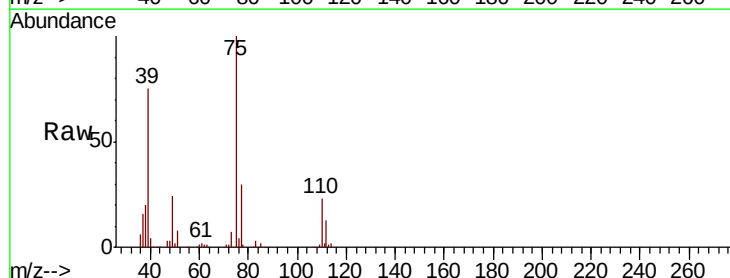
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

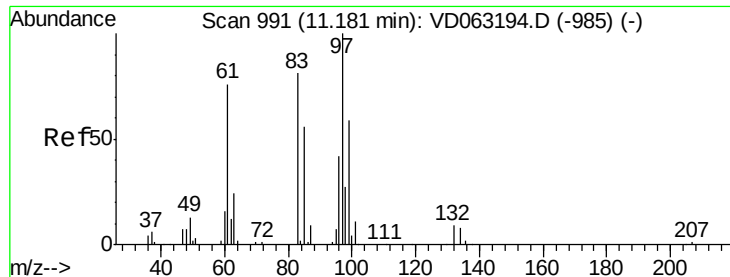
Tgt Ion: 75 Resp: 577180
Ion Ratio Lower Upper
75 100
77 27.9 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 54.084 ug/l
RT: 10.02 min Scan# 873
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 75 Resp: 618054
Ion Ratio Lower Upper
75 100
77 29.7 24.9 37.3
39 75.0 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 56.578 ug/l

RT: 11.18 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 297527

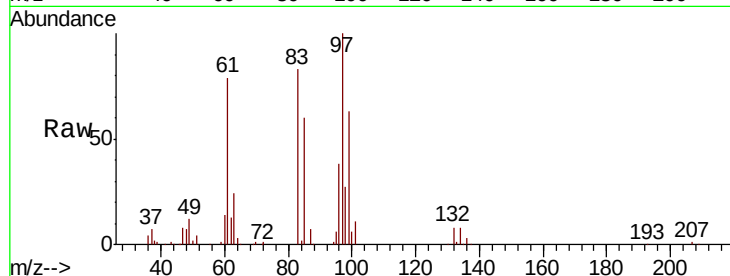
Ion Ratio Lower Upper

97 100

83 83.0 64.8 97.2

85 59.8 44.9 67.3

99 62.5 47.2 70.8

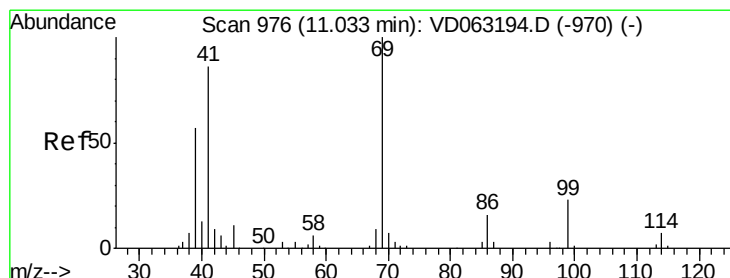
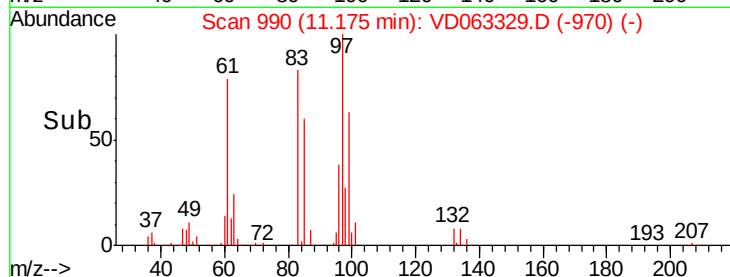
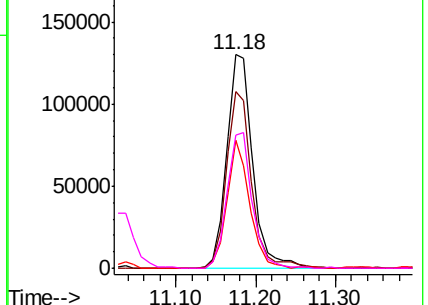


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.735 ug/l

RT: 11.03 min Scan# 975

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

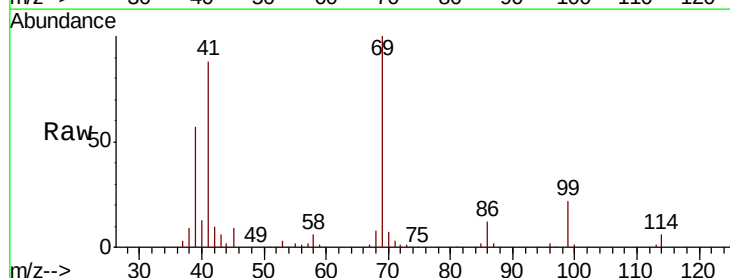
Tgt Ion: 69 Resp: 297914

Ion Ratio Lower Upper

69 100

41 87.9 68.8 103.2

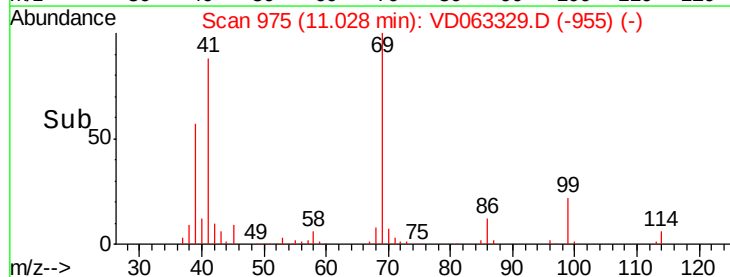
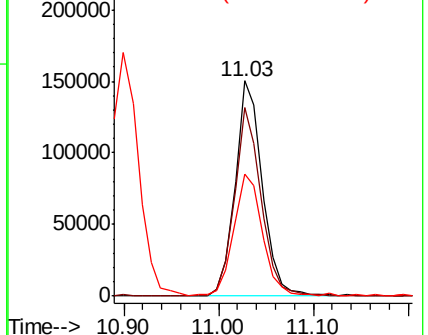
39 56.8 45.8 68.8

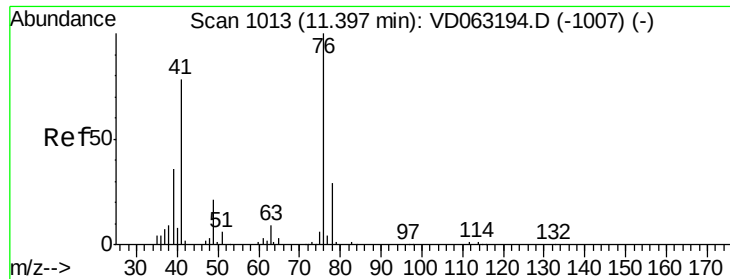


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.508 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

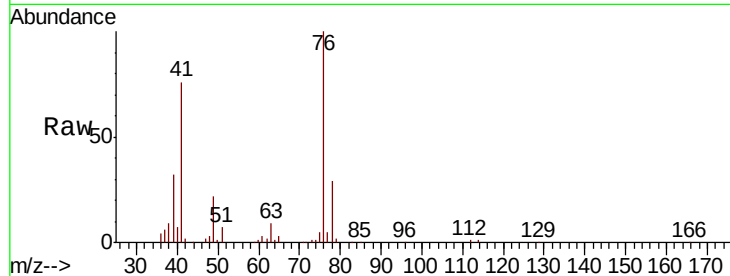
VSTDCCC050EC

Tgt Ion: 76 Resp: 443343

Ion Ratio Lower Upper

76 100

78 28.8 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

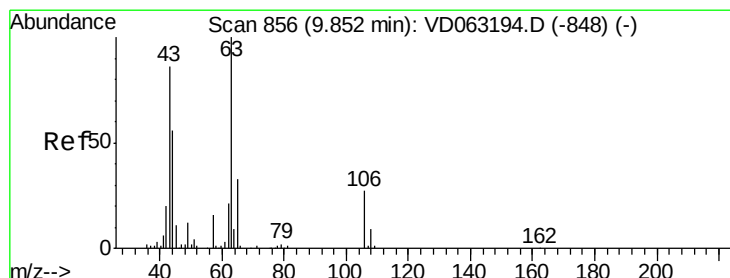
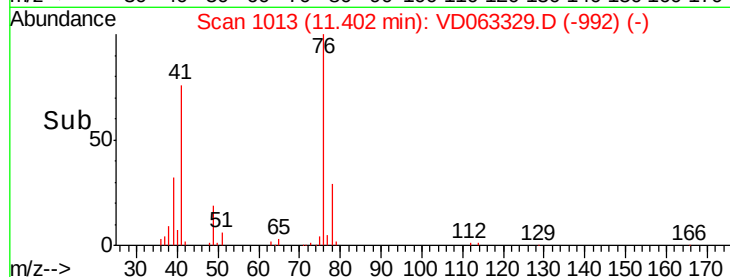
100000

50000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.493 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063329.D

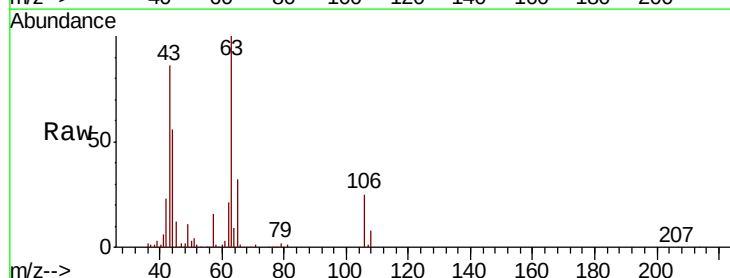
Acq: 2 Aug 2019 20:56

Tgt Ion: 63 Resp: 813492

Ion Ratio Lower Upper

63 100

106 25.1 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

400000

300000

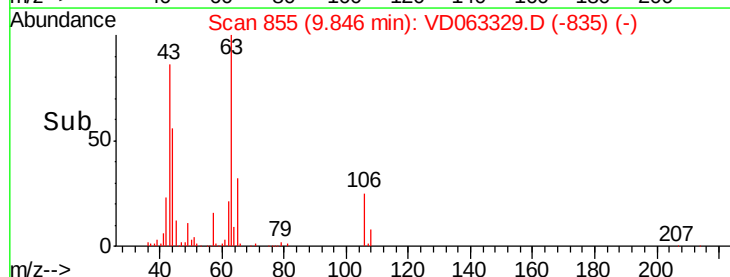
200000

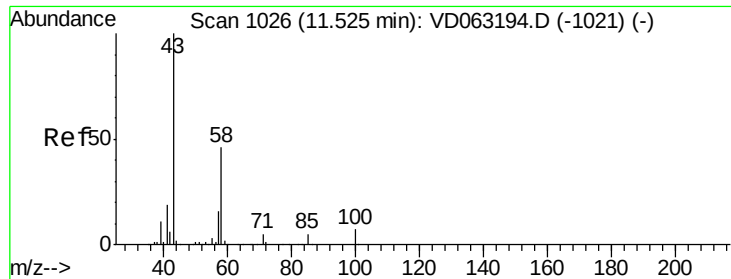
100000

0

9.70 9.80 9.90 10.00

Time-->

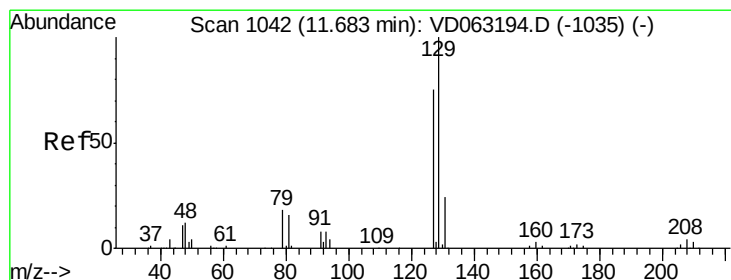
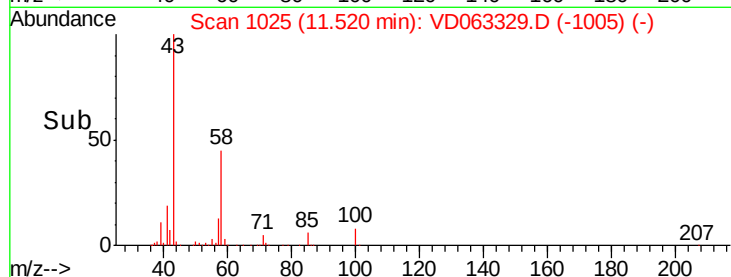
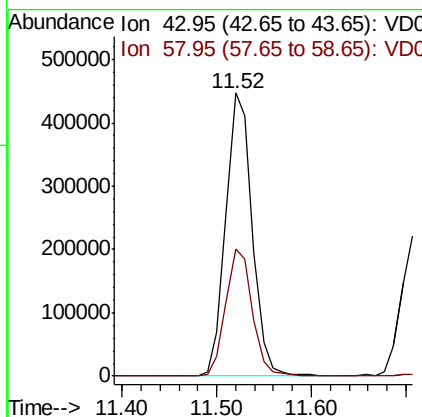
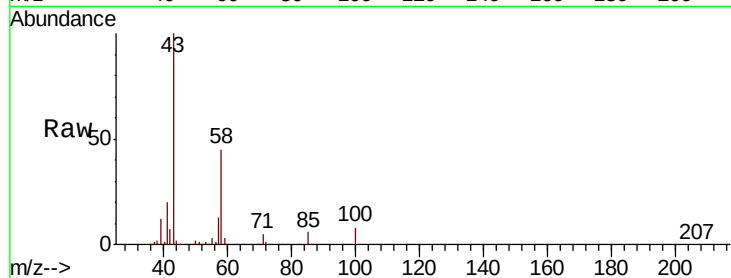




#59
2-Hexanone
Concen: 275.568 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

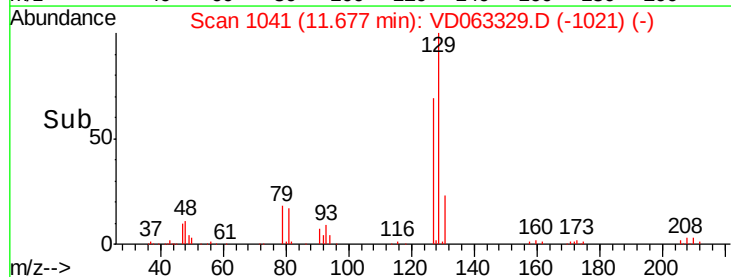
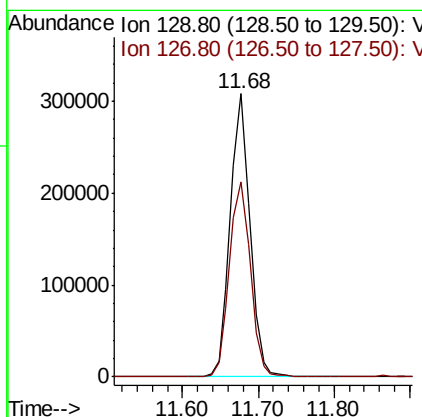
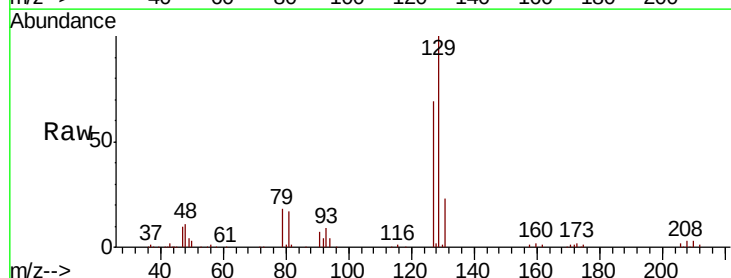
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

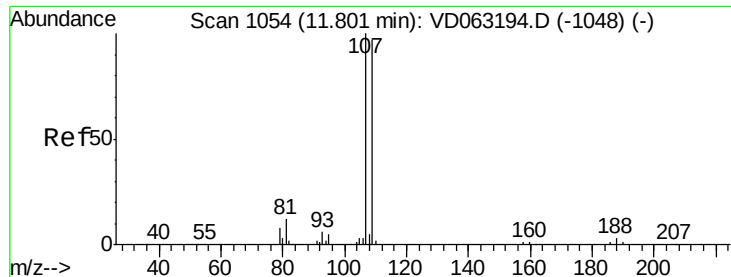
Tgt Ion: 43 Resp: 865764
Ion Ratio Lower Upper
43 100
58 45.1 22.9 68.5



#60
Dibromochloromethane
Concen: 55.942 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 129 Resp: 555367
Ion Ratio Lower Upper
129 100
127 68.9 37.6 112.8





#61

1,2-Dibromoethane

Concen: 54.482 ug/l

RT: 11.80 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

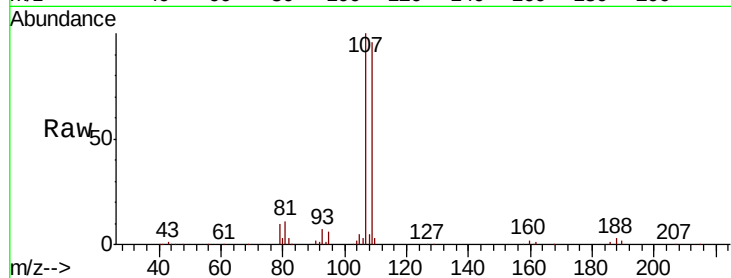
VSTDCCC050EC

Tgt Ion: 107 Resp: 353535

Ion Ratio Lower Upper

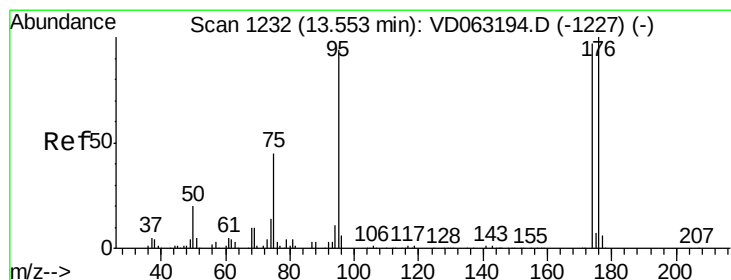
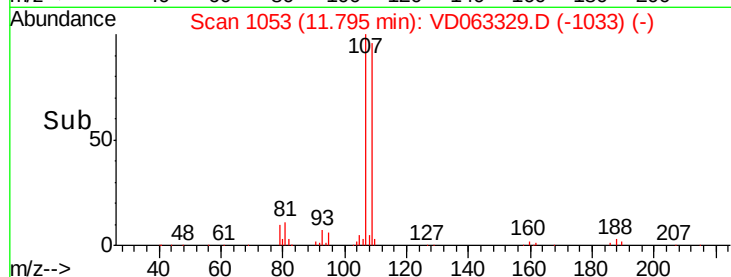
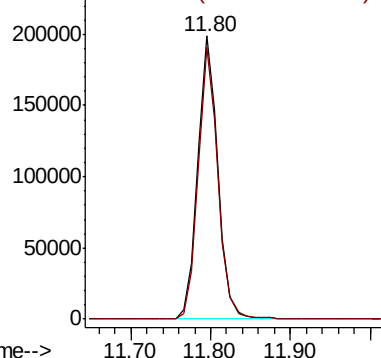
107 100

109 96.1 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: 54.634 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

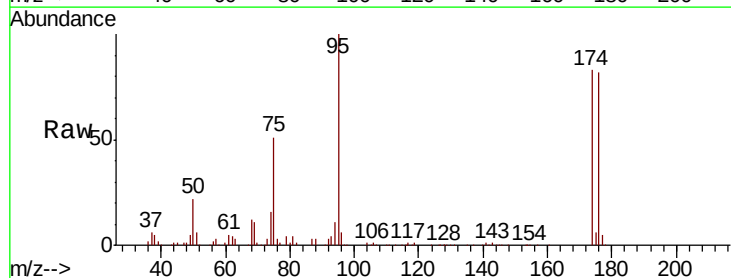
Tgt Ion: 95 Resp: 582267

Ion Ratio Lower Upper

95 100

174 83.2 0.0 205.4

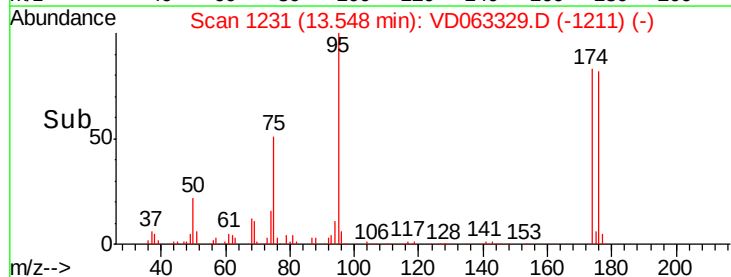
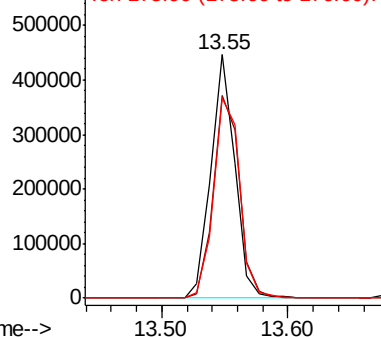
176 82.1 0.0 211.8

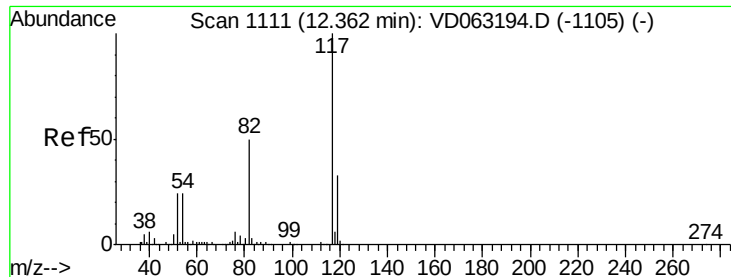


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

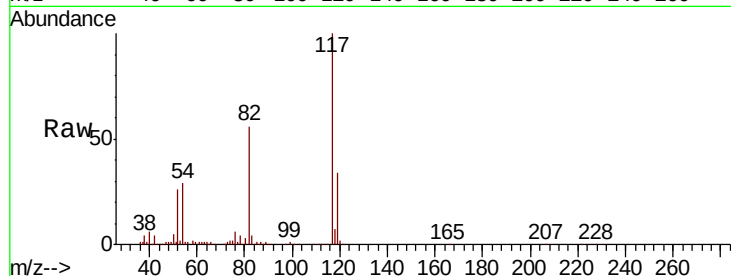




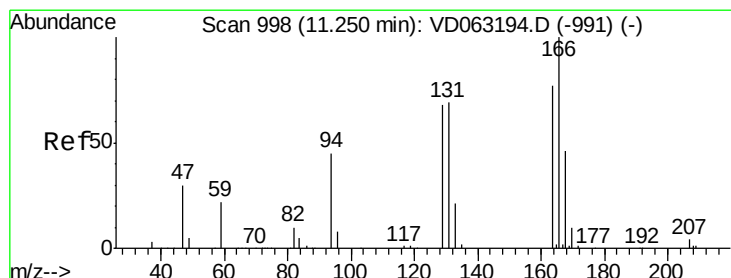
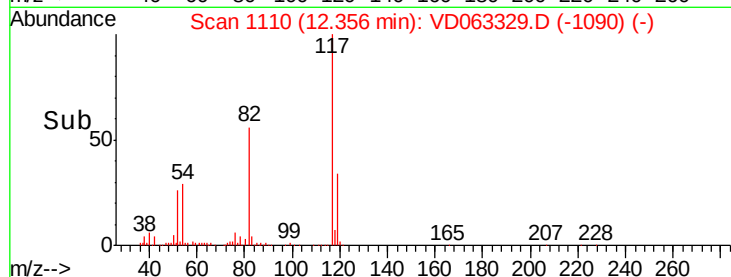
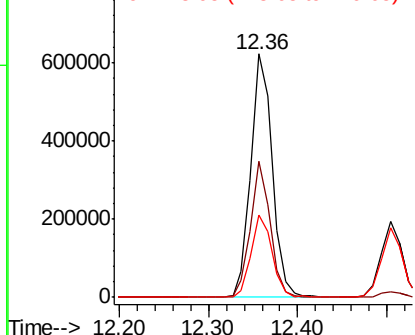
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1030610
Ion Ratio Lower Upper
117 100
82 55.6 40.1 60.1
119 33.7 26.5 39.7

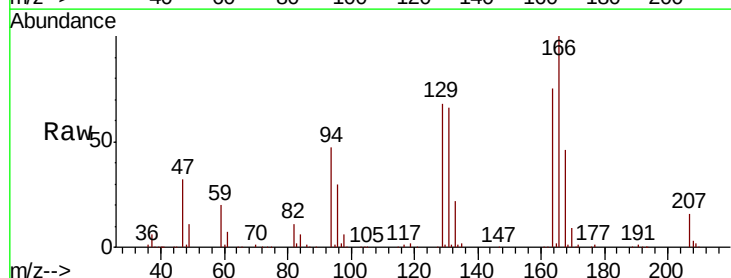


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

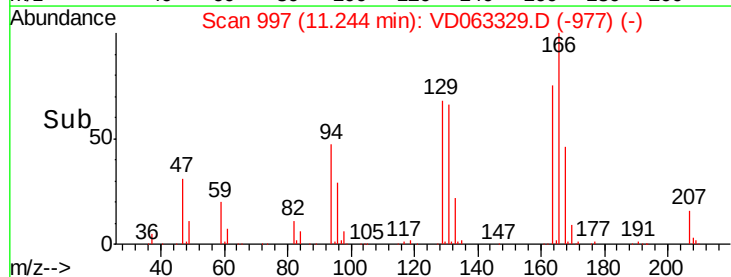
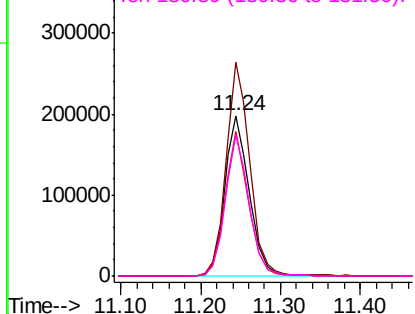


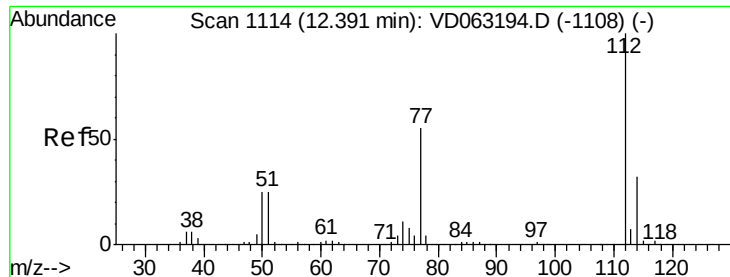
#64
Tetrachloroethene
Concen: 51.994 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion:164 Resp: 426893
Ion Ratio Lower Upper
164 100
166 133.4 104.3 156.5
129 90.6 70.9 106.3
131 88.3 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

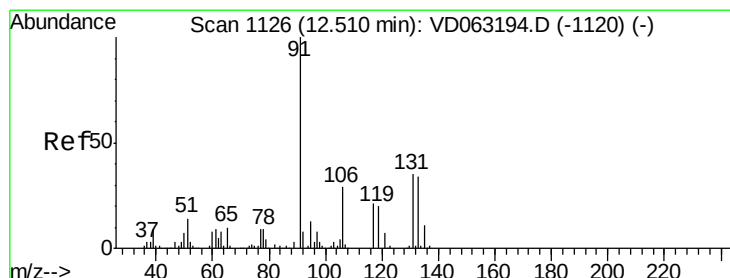
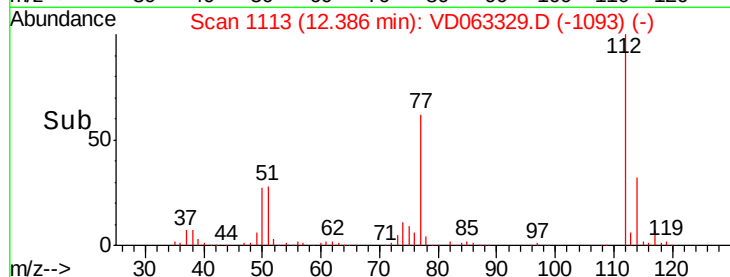
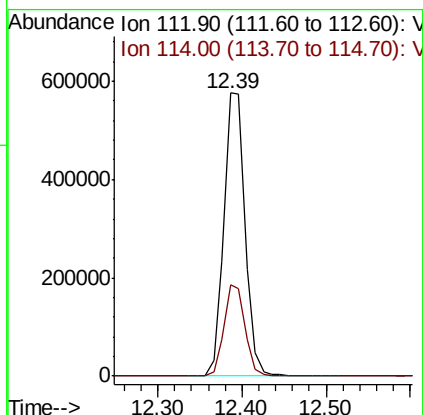
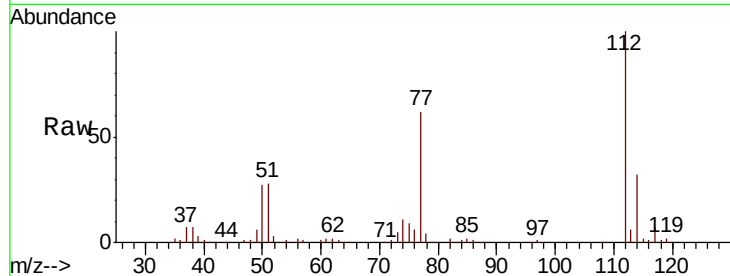




#65
Chlorobenzene
Concen: 50.886 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

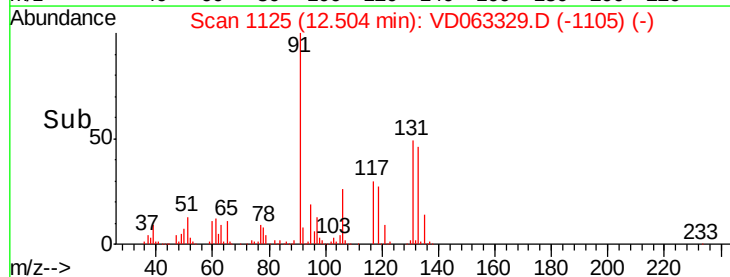
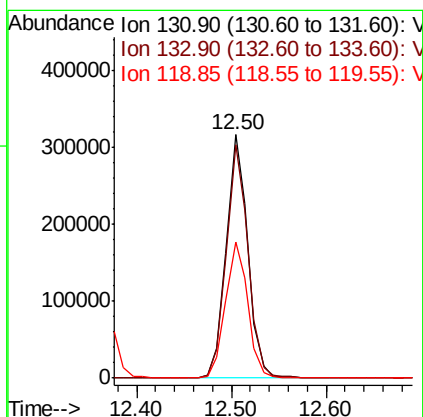
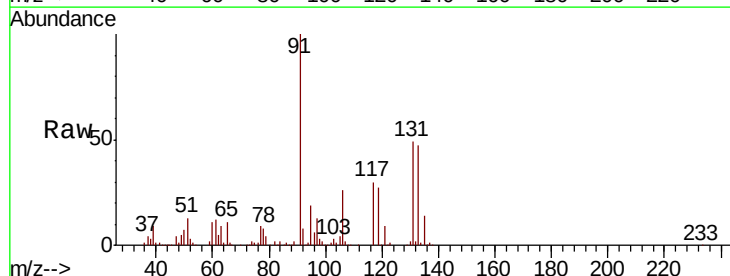
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

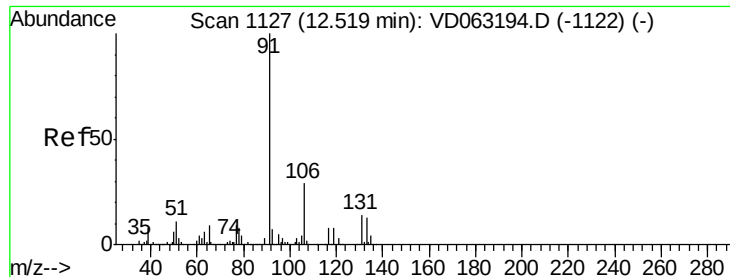
Tgt Ion:112 Resp: 1008719
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.062 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion:131 Resp: 498260
Ion Ratio Lower Upper
131 100
133 96.0 48.4 145.2
119 55.9 29.1 87.3

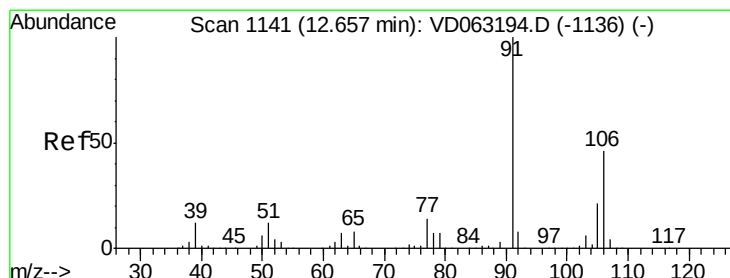
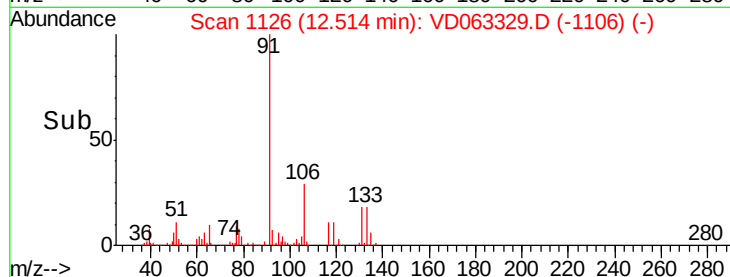
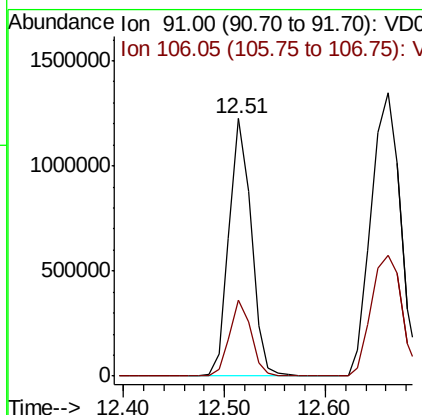
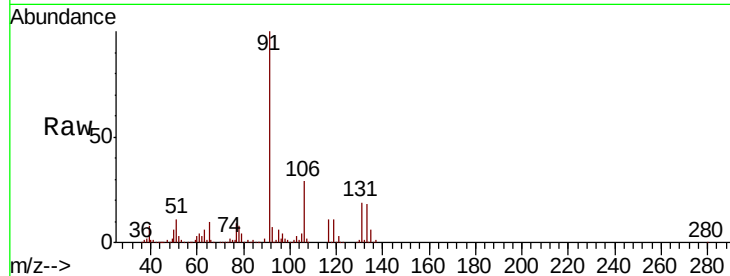




#67
Ethyl Benzene
Concen: 55.889 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

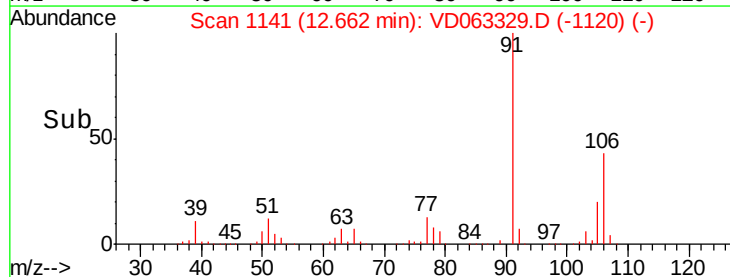
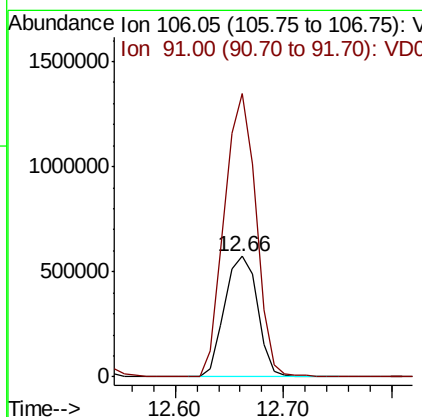
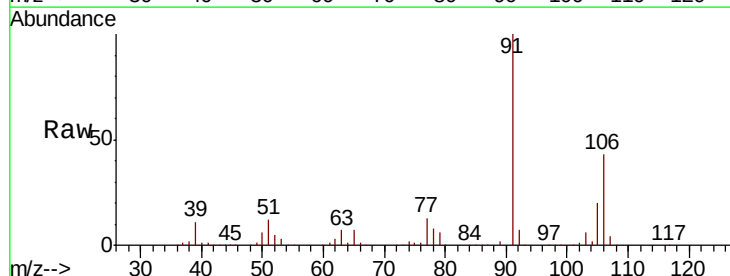
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

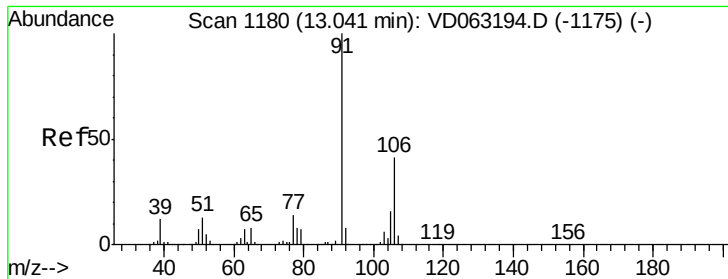
Tgt Ion: 91 Resp: 1882086
Ion Ratio Lower Upper
91 100
106 29.4 22.9 34.3



#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 106 Resp: 1222087
Ion Ratio Lower Upper
106 100
91 235.0 172.6 259.0

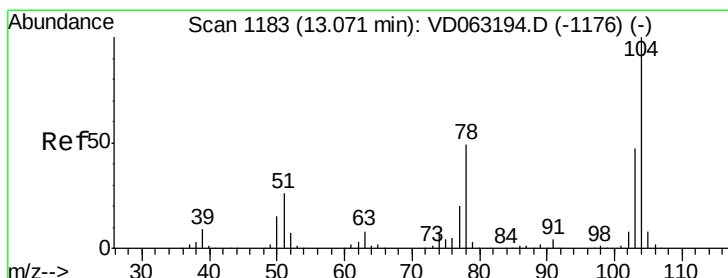
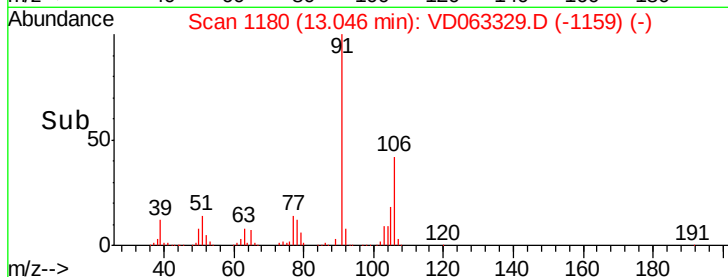
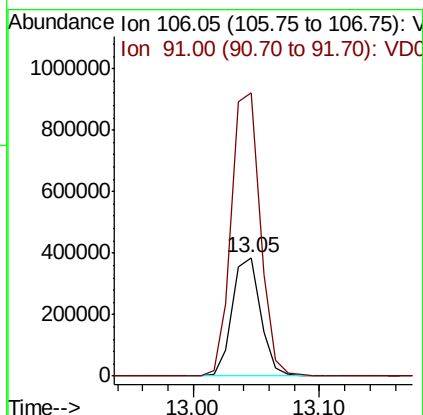
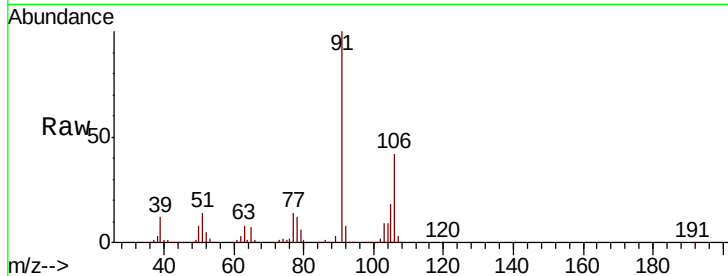




#69
o-Xylene
Concen: 52.923 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

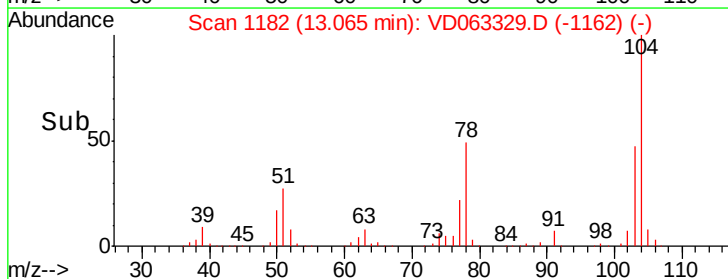
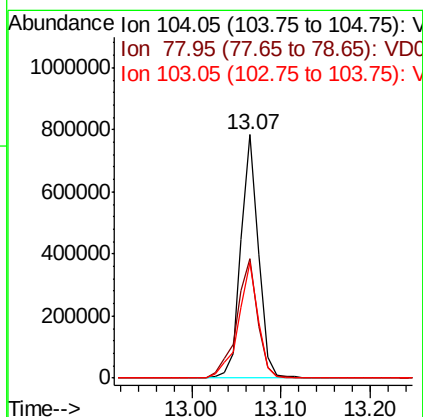
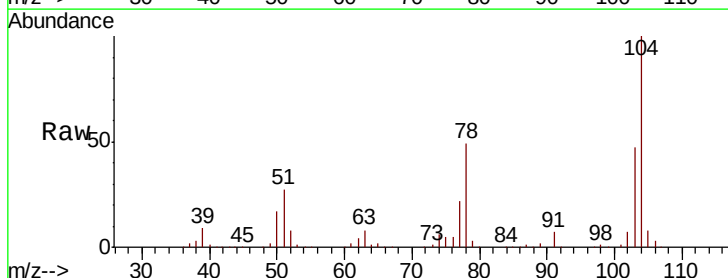
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

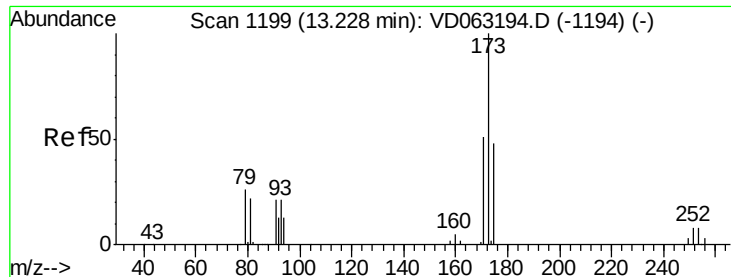
Tgt Ion:106 Resp: 600189
Ion Ratio Lower Upper
106 100
91 238.1 121.3 363.9



#70
Styrene
Concen: 53.596 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion:104 Resp: 1077937
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.0
103 47.3 37.4 56.2

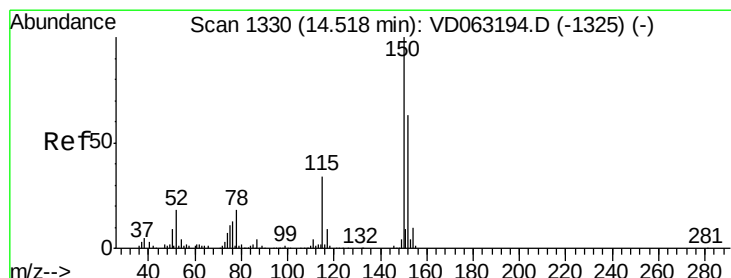
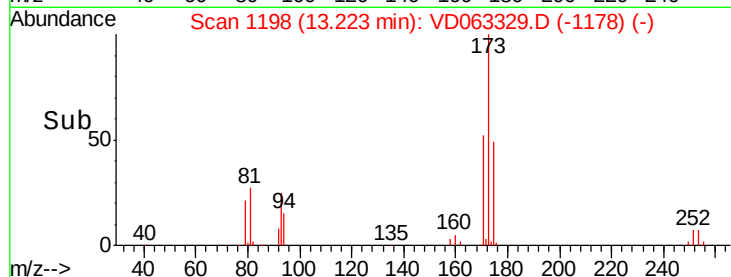
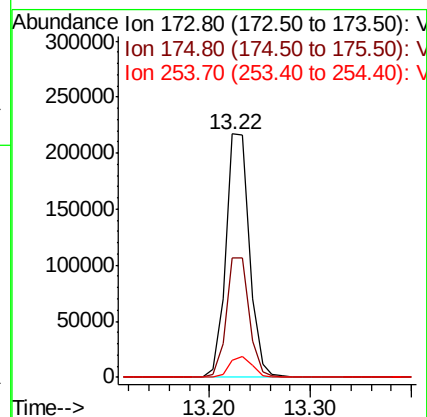
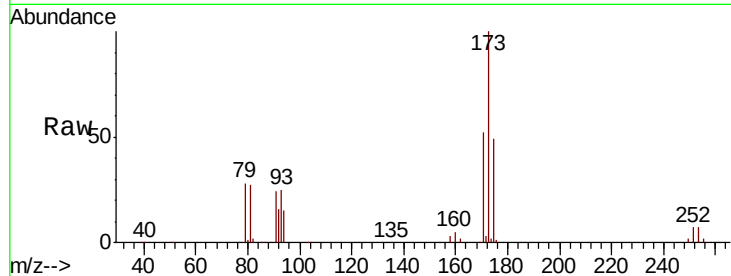




#71
Bromoform
Concen: 55.569 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

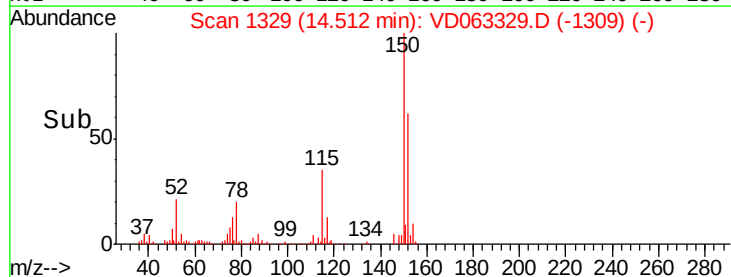
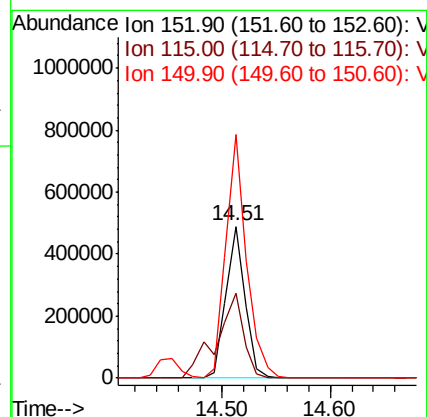
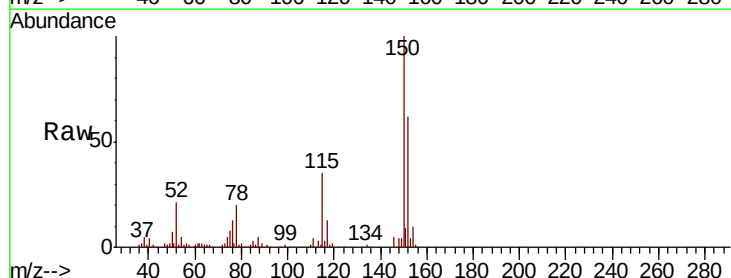
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

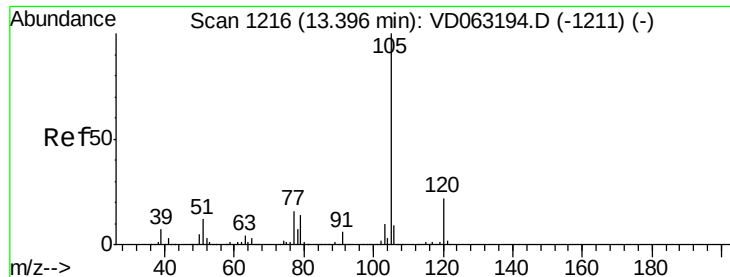
Tgt Ion:173 Resp: 352867
Ion Ratio Lower Upper
173 100
175 49.0 23.8 71.5
254 7.1 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion:152 Resp: 600111
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.4
150 160.7 0.0 320.6





#73

Isopropylbenzene

Concen: 48.757 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

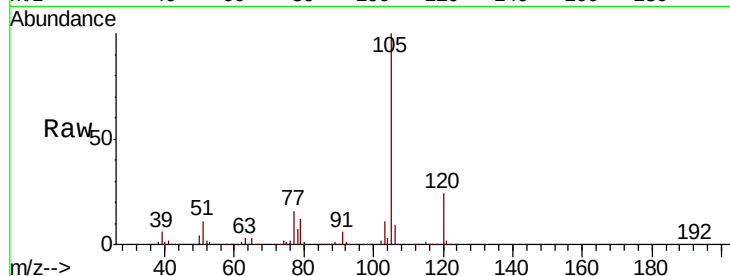
VSTDCCC050EC

Tgt Ion:105 Resp: 1836428

Ion Ratio Lower Upper

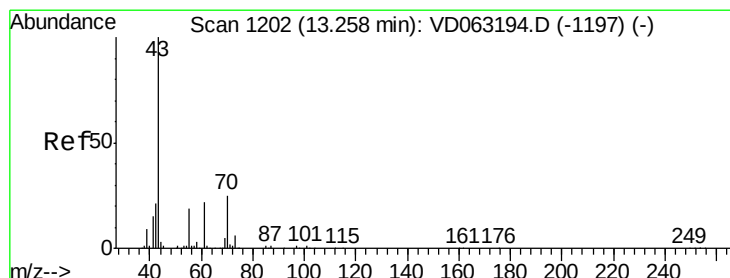
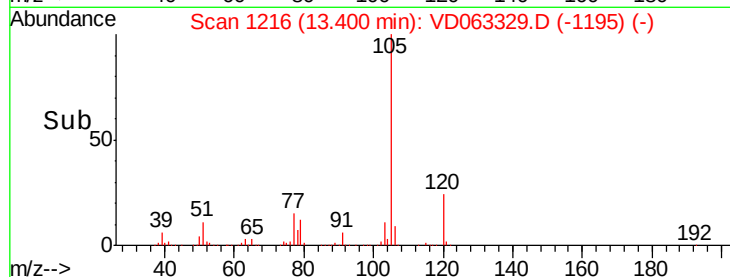
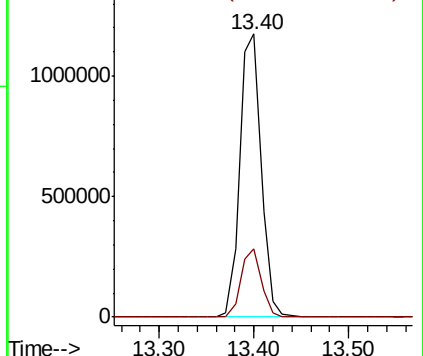
105 100

120 24.0 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.934 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Tgt Ion: 43 Resp: 507150

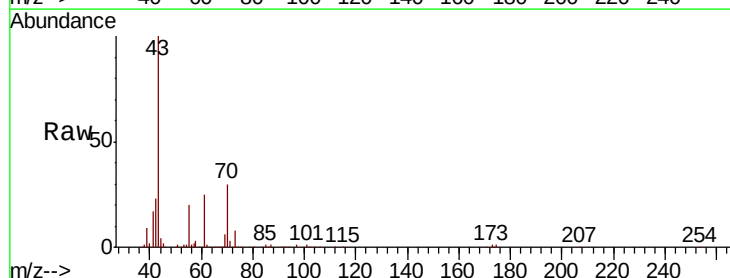
Ion Ratio Lower Upper

43 100

70 29.8 20.2 30.4

55 19.9 14.9 22.3

61 24.6 17.9 26.9

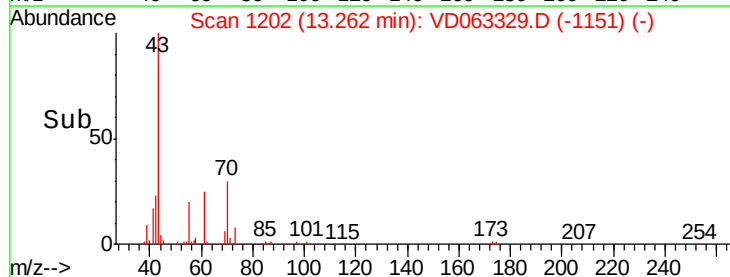
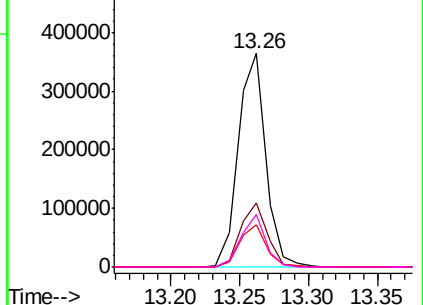


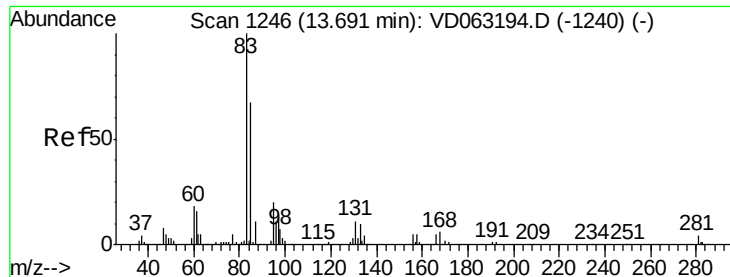
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.137 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

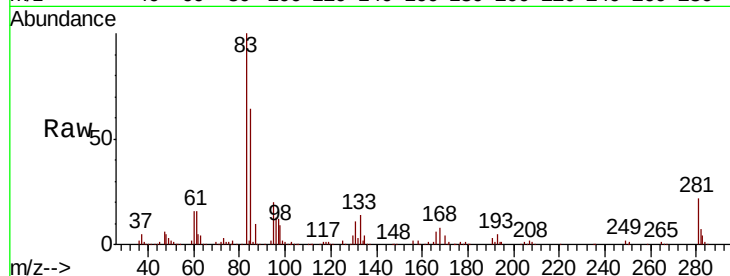
Tgt Ion: 83 Resp: 333565

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.7

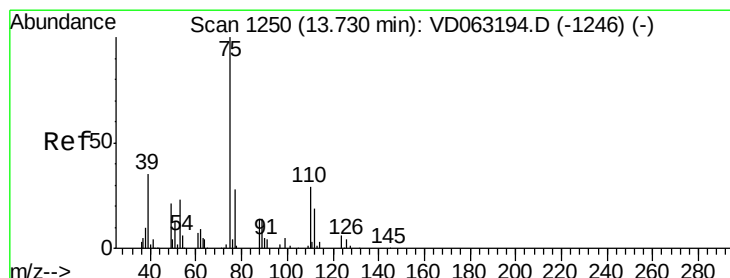
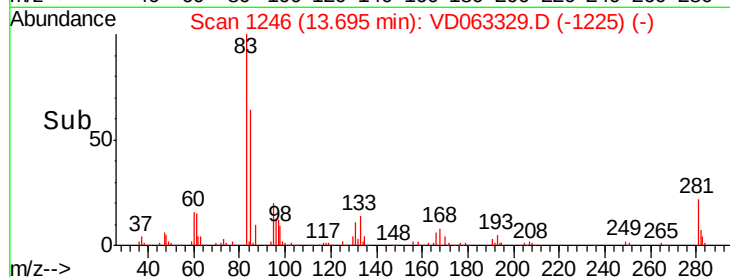
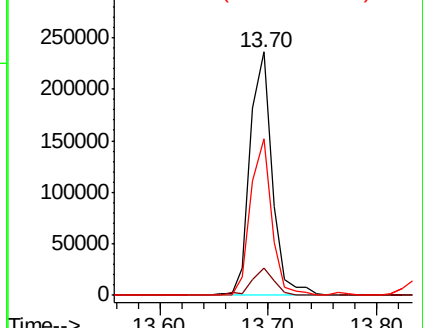
85 64.2 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.501 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063329.D

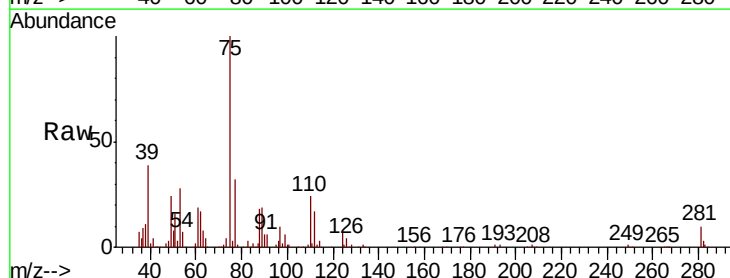
Acq: 2 Aug 2019 20:56

Tgt Ion: 75 Resp: 356805

Ion Ratio Lower Upper

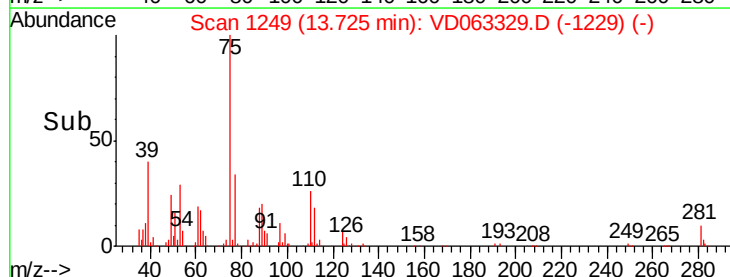
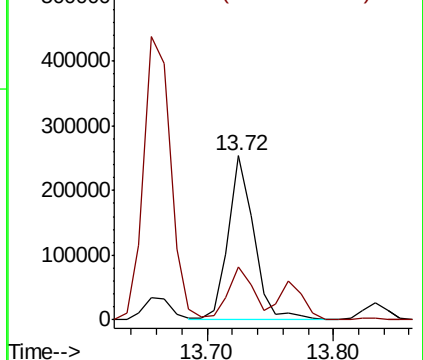
75 100

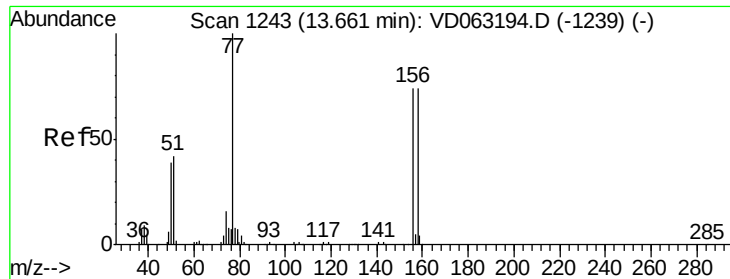
77 32.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

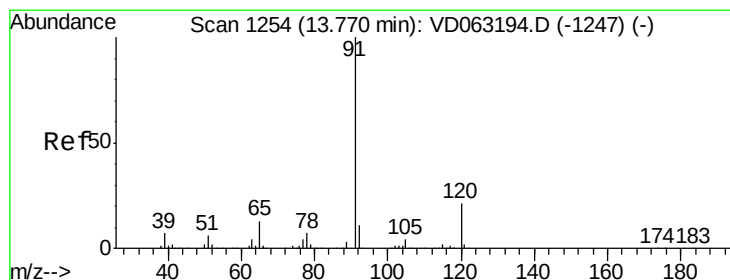
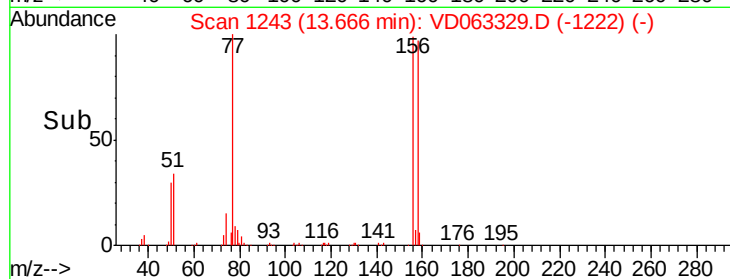
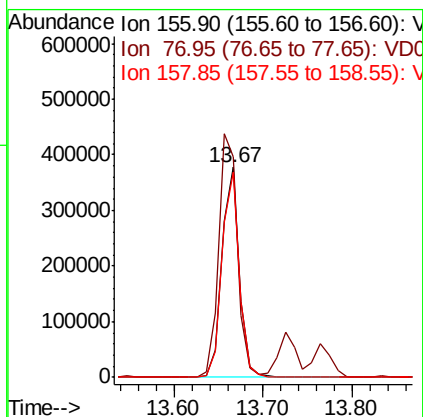
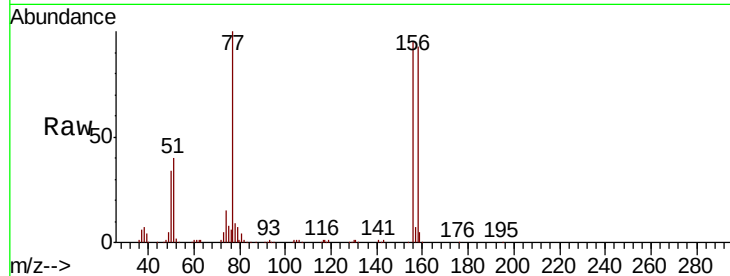




#77
Bromobenzene
Concen: 48.179 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

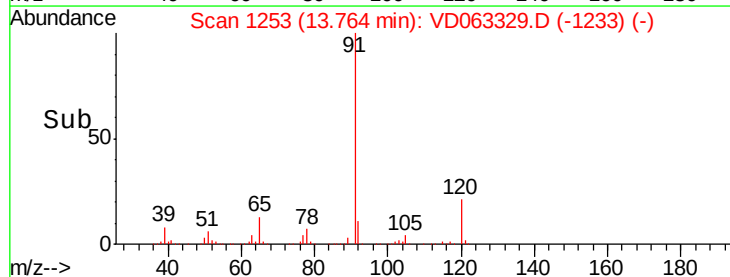
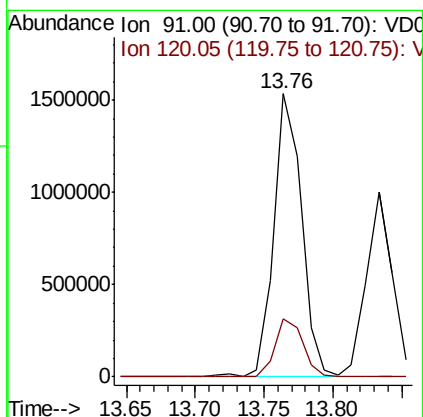
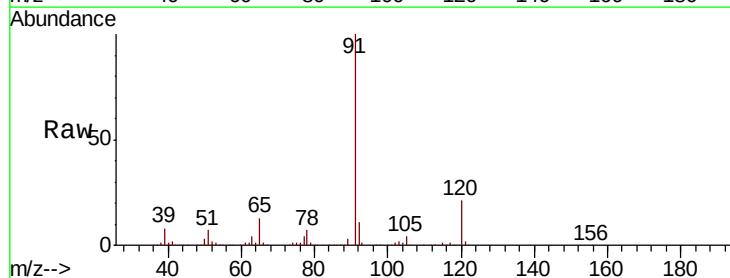
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

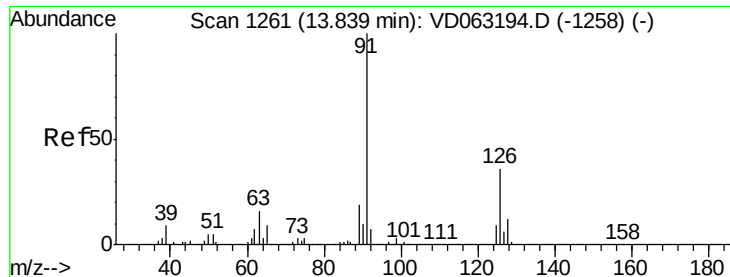
Tgt Ion: 156 Resp: 516935
Ion Ratio Lower Upper
156 100
77 105.2 67.6 202.8
158 98.0 49.8 149.4



#78
n-propylbenzene
Concen: 47.772 ug/l
RT: 13.76 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion: 91 Resp: 2141248
Ion Ratio Lower Upper
91 100
120 20.7 10.7 32.1





#79

2-Chlorotoluene

Concen: 50.963 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

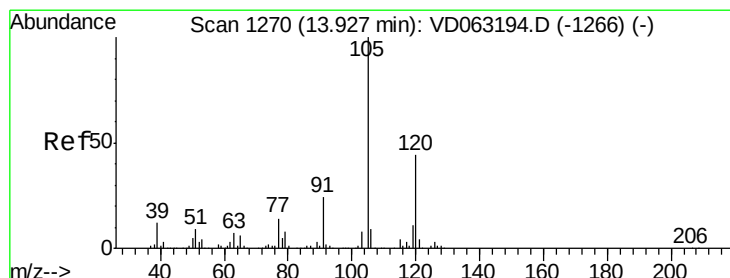
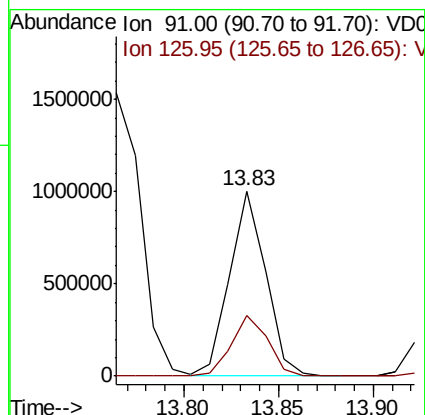
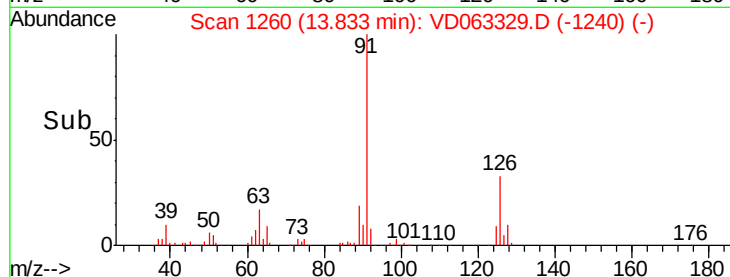
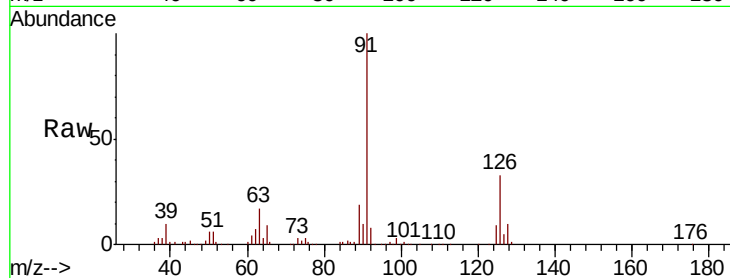
VSTDCCC050EC

Tgt Ion: 91 Resp: 1323581

Ion Ratio Lower Upper

91 100

126 32.6 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 47.327 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063329.D

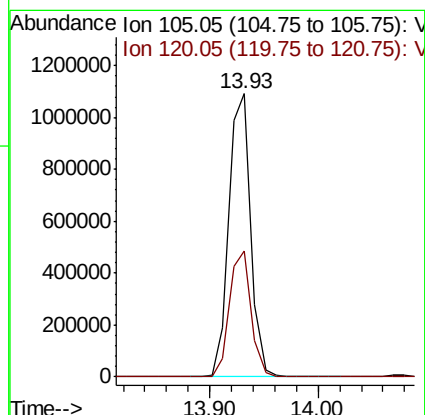
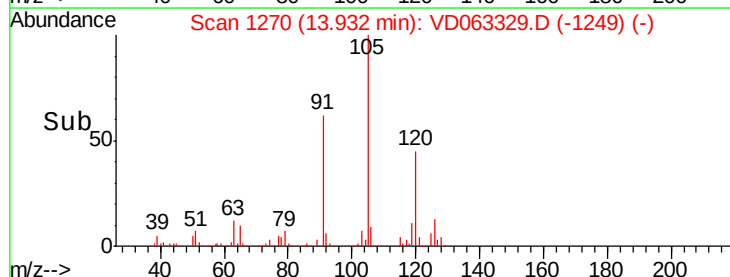
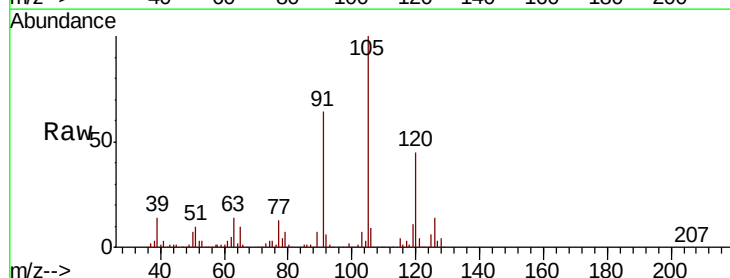
Acq: 2 Aug 2019 20:56

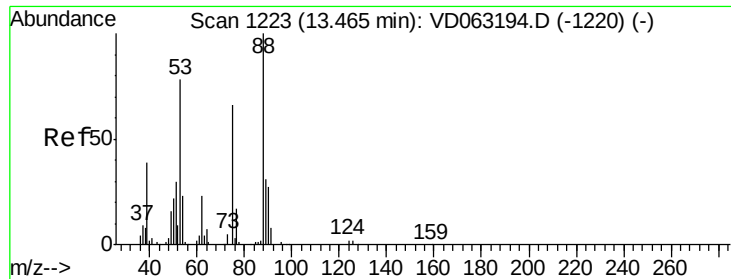
Tgt Ion: 105 Resp: 1537450

Ion Ratio Lower Upper

105 100

120 44.7 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 46.907 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

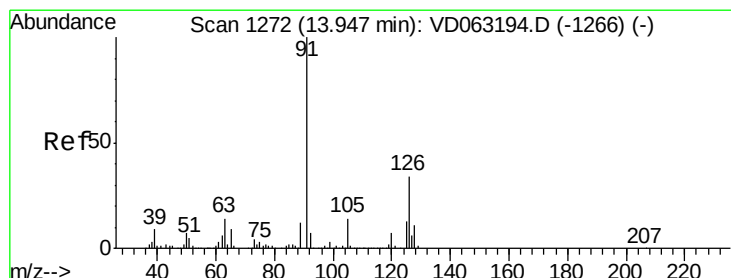
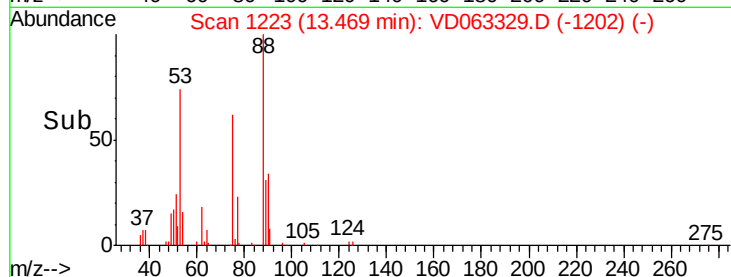
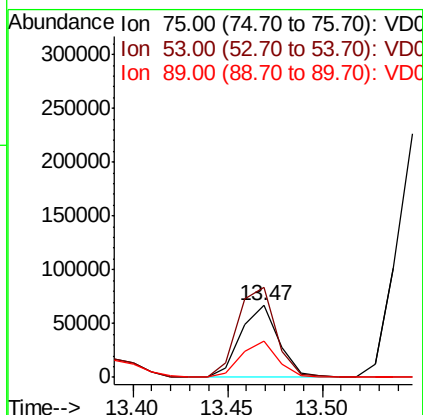
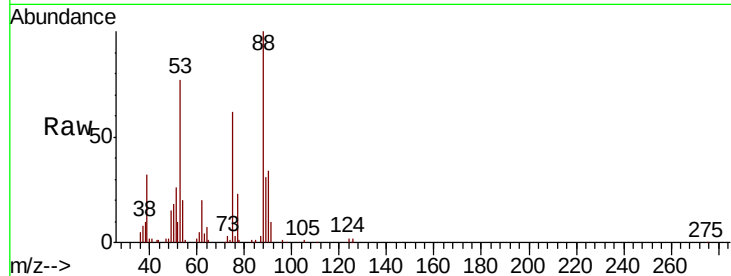
Tgt Ion: 75 Resp: 93886

Ion Ratio Lower Upper

75 100

53 124.8 94.9 142.3

89 49.5 37.4 56.0



#82

4-Chlorotoluene

Concen: 49.592 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063329.D

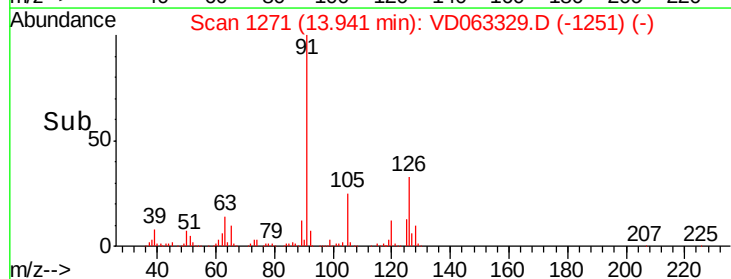
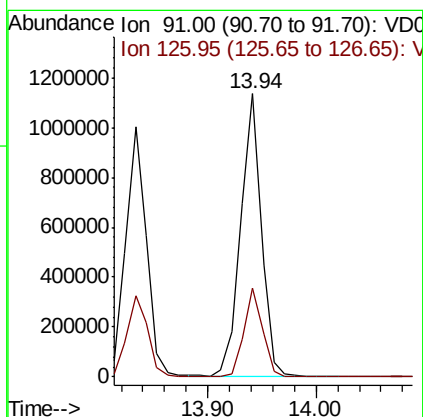
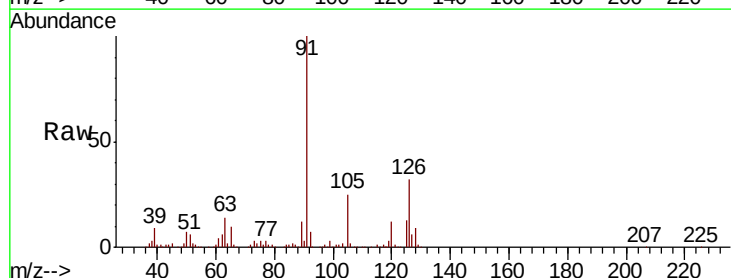
Acq: 2 Aug 2019 20:56

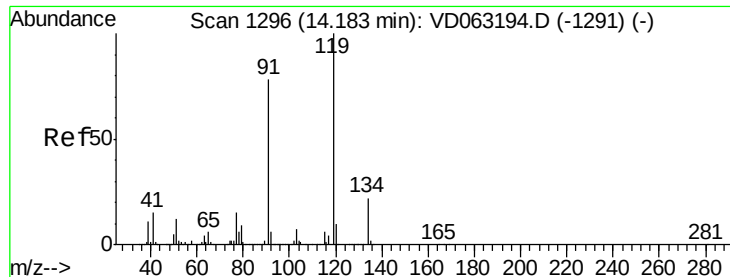
Tgt Ion: 91 Resp: 1515769

Ion Ratio Lower Upper

91 100

126 31.6 17.1 51.2

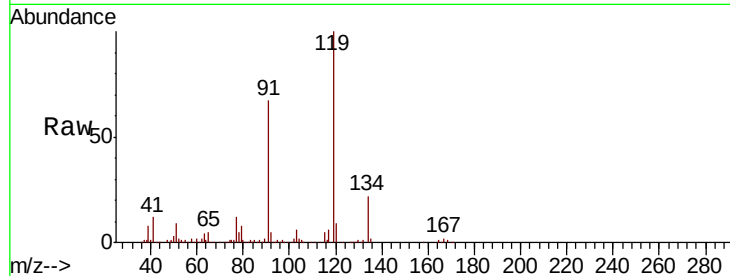




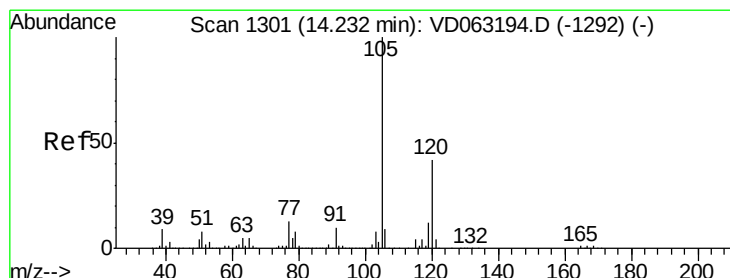
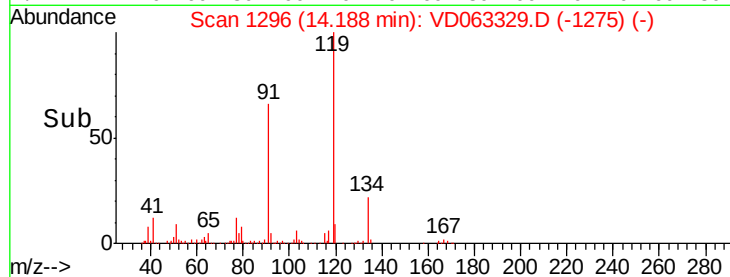
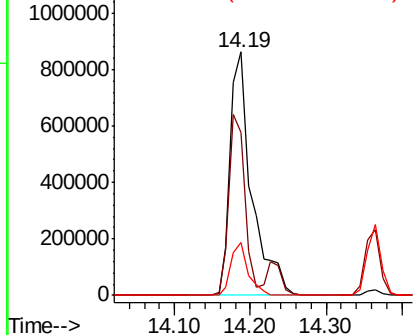
#83
 tert-Butylbenzene
 Concen: 45.701 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1695153
 Ion Ratio Lower Upper
 119 100
 91 66.8 39.1 117.5
 134 21.7 10.9 32.6

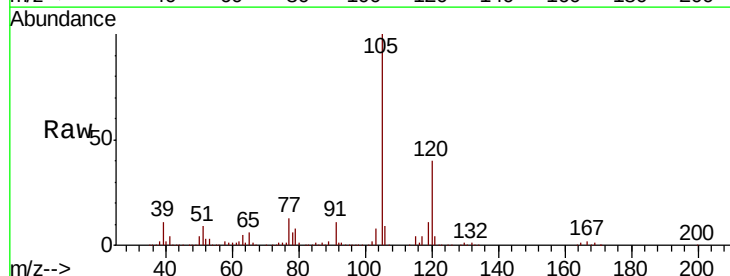


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

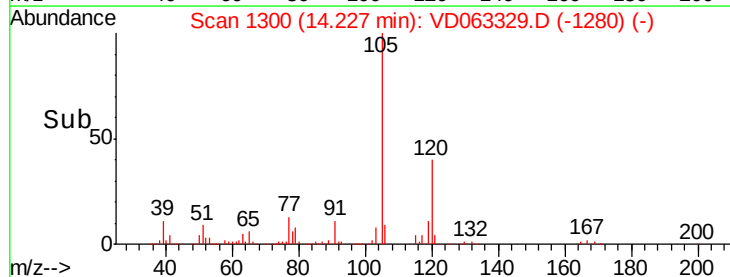
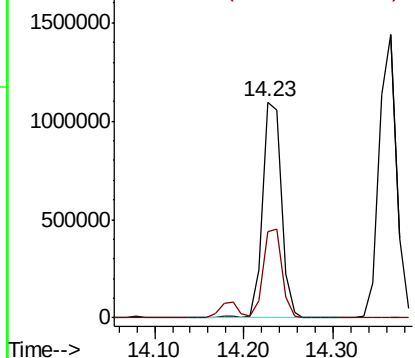


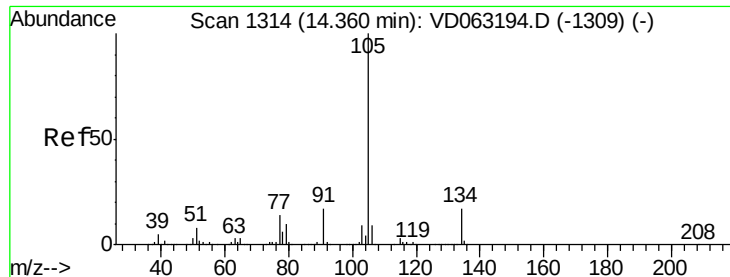
#84
 1,2,4-Trimethylbenzene
 Concen: 47.078 ug/l
 RT: 14.23 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Tgt Ion:105 Resp: 1581886
 Ion Ratio Lower Upper
 105 100
 120 40.1 20.9 62.7



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





#85

sec-Butylbenzene

Concen: 48.809 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

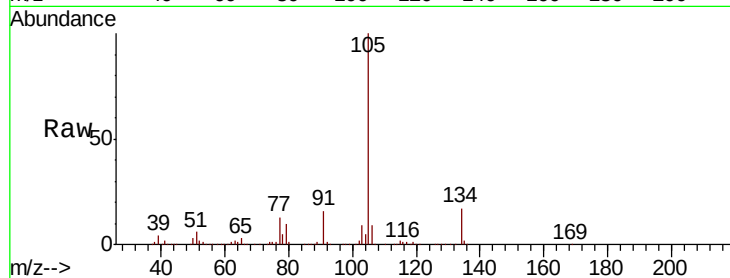
VSTDCCC050EC

Tgt Ion:105 Resp: 1907453

Ion Ratio Lower Upper

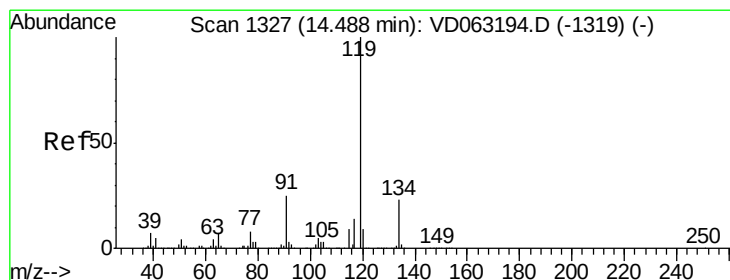
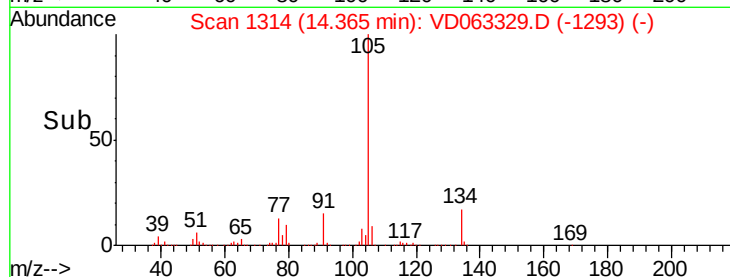
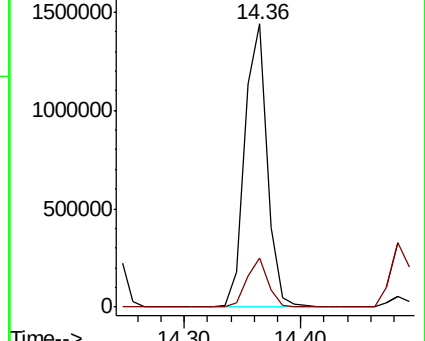
105 100

134 17.4 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: 48.497 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

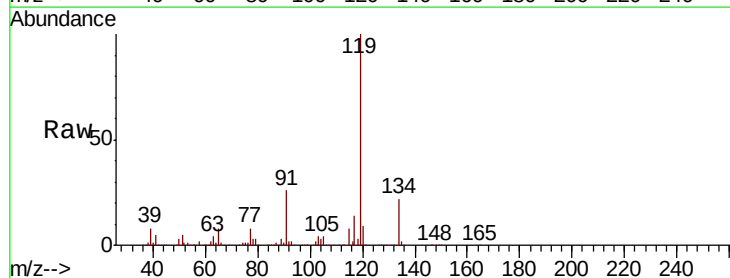
Tgt Ion:119 Resp: 1808916

Ion Ratio Lower Upper

119 100

134 22.2 11.5 34.5

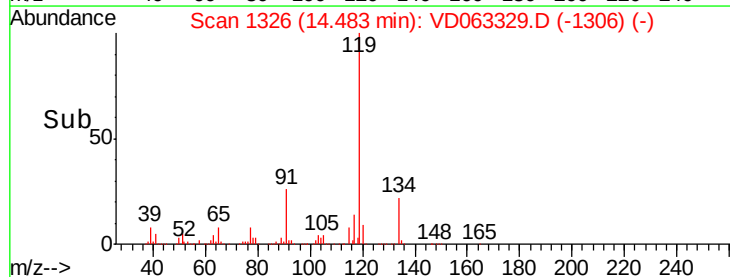
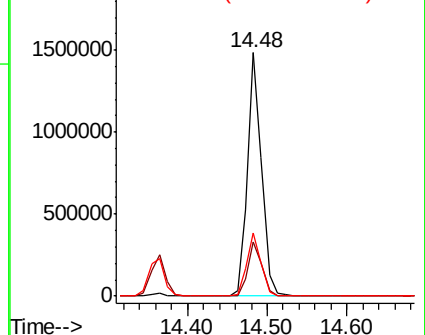
91 26.0 12.6 37.6

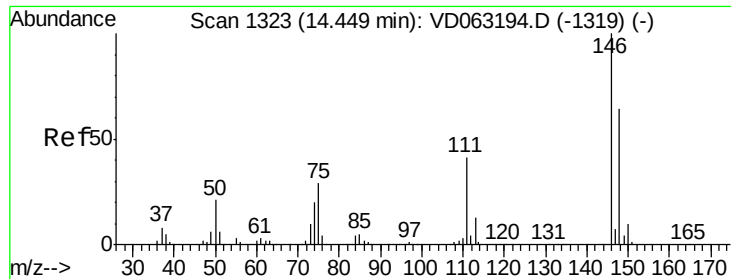


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

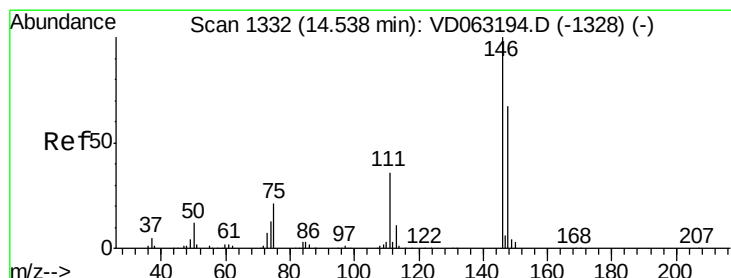
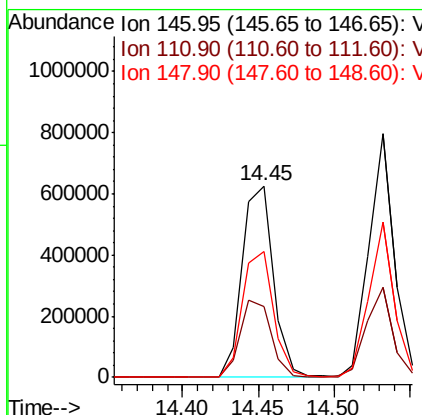
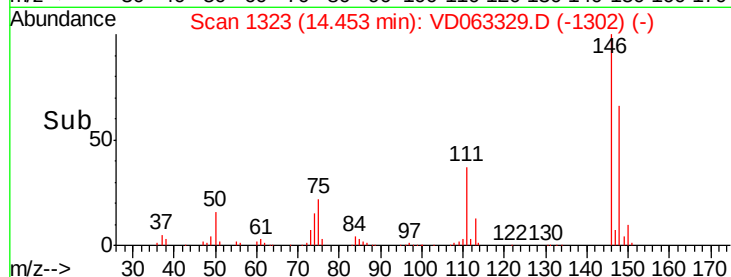
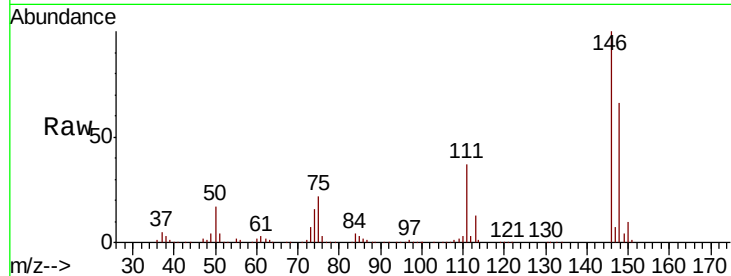




#87
 1,3-Dichlorobenzene
 Concen: 47.577 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

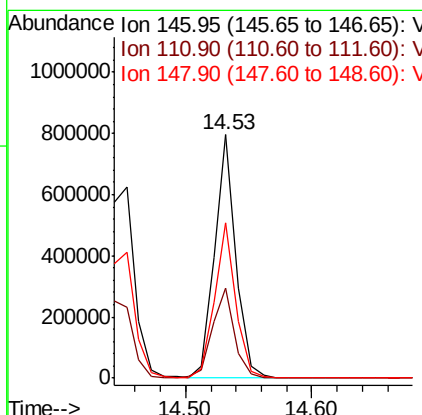
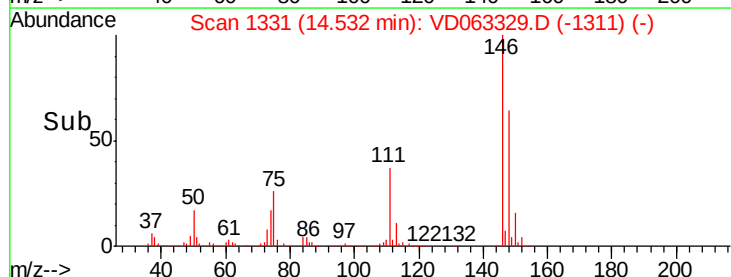
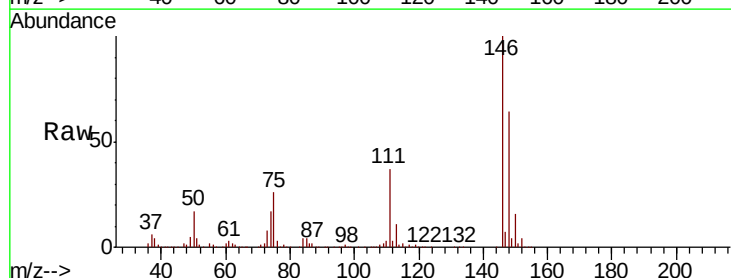
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

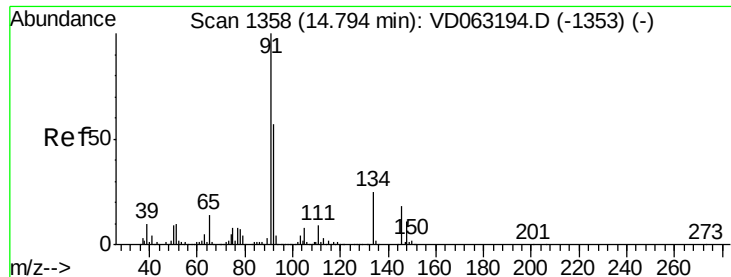
Tgt Ion:146 Resp: 904013
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.4 61.3
 148 65.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.514 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Tgt Ion:146 Resp: 932165
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.3
 148 63.8 33.4 100.1





#89

n-Butylbenzene

Concen: 47.871 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

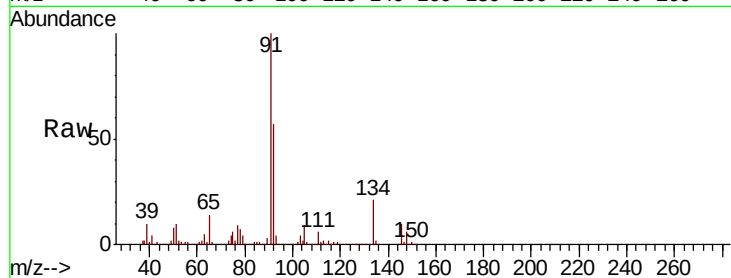
Tgt Ion: 91 Resp: 1542190

Ion Ratio Lower Upper

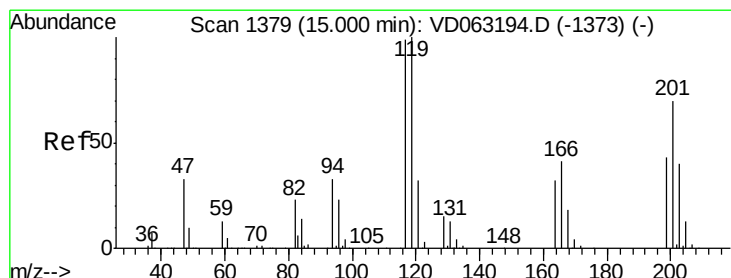
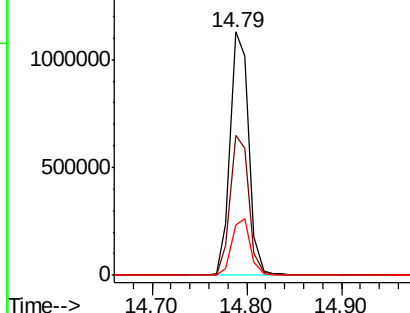
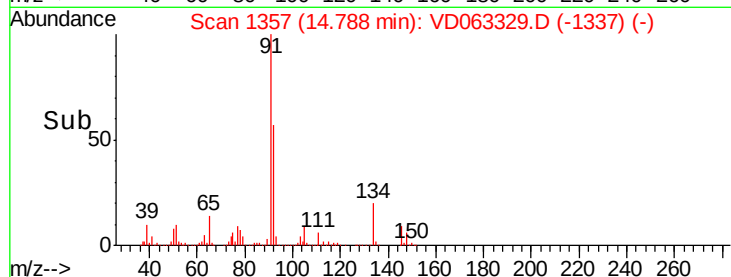
91 100

92 57.3 28.3 85.0

134 20.5 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): V



#90

Hexachloroethane

Concen: 47.984 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063329.D

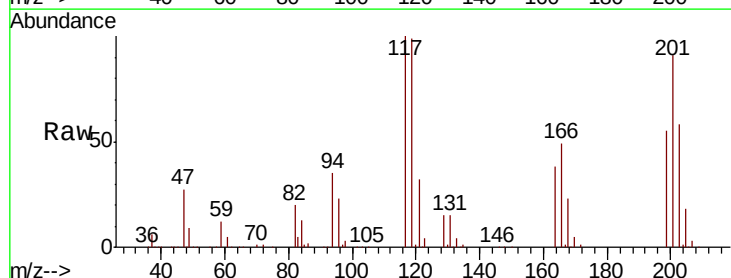
Acq: 2 Aug 2019 20:56

Tgt Ion: 117 Resp: 466309

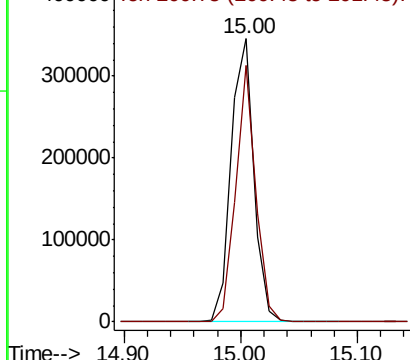
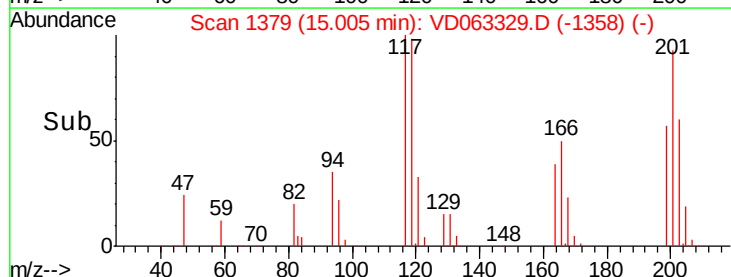
Ion Ratio Lower Upper

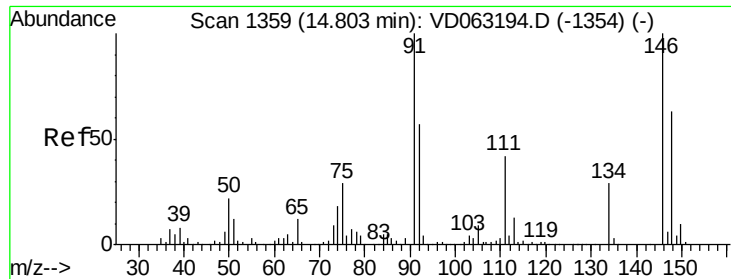
117 100

201 90.8 35.2 105.6



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

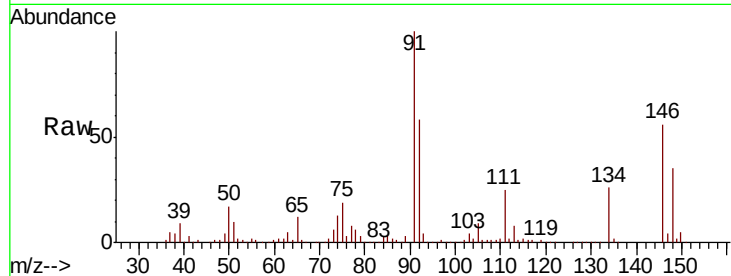




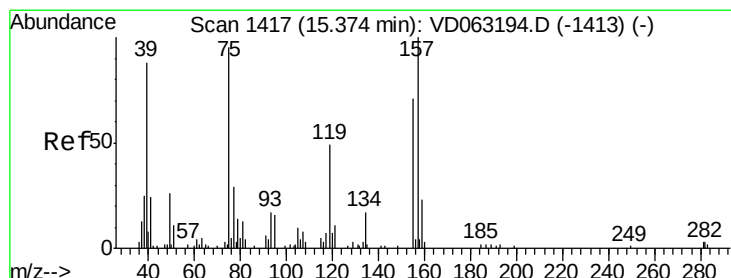
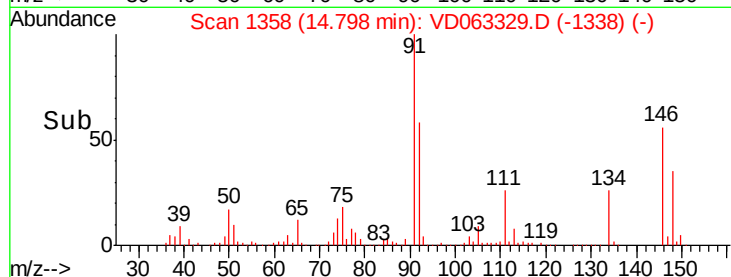
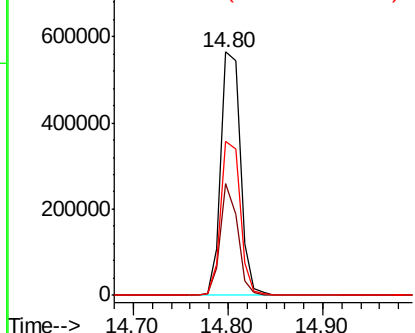
#91
 1,2-Dichlorobenzene
 Concen: 48.980 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 810877
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.1 63.3
 148 63.4 31.6 94.8

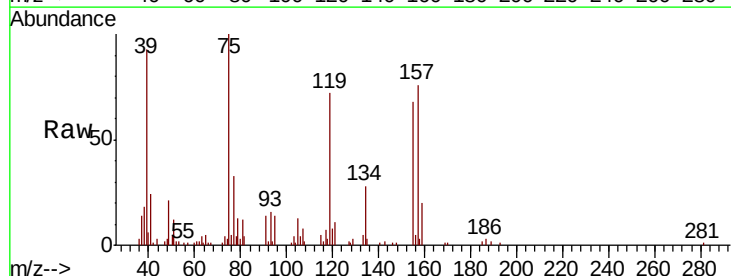


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

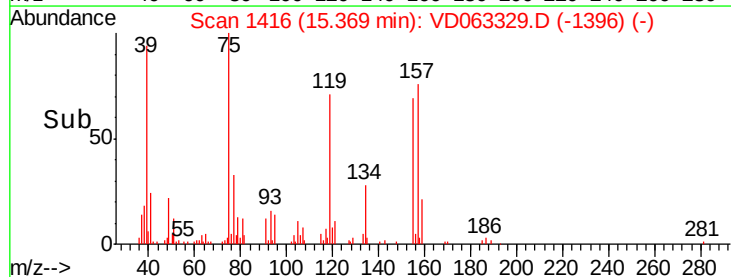
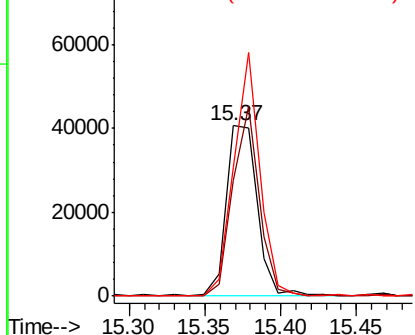


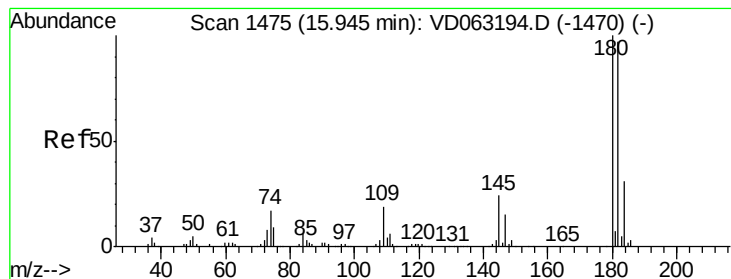
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.682 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Tgt Ion: 75 Resp: 58230
 Ion Ratio Lower Upper
 75 100
 155 68.0 37.0 111.0
 157 75.6 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: 46.508 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

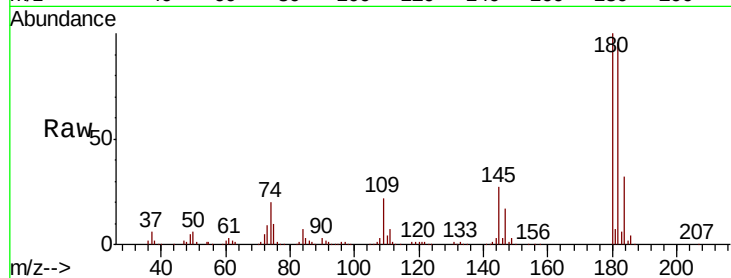
Tgt Ion:180 Resp: 610817

Ion Ratio Lower Upper

180 100

182 96.2 48.6 145.8

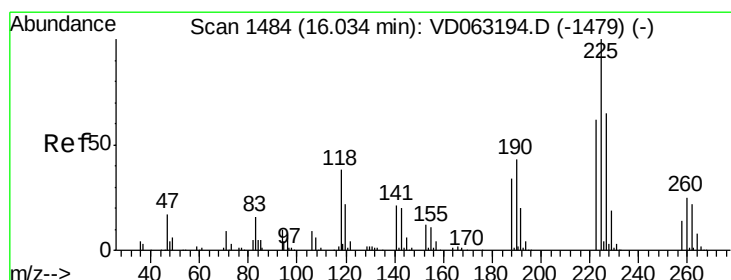
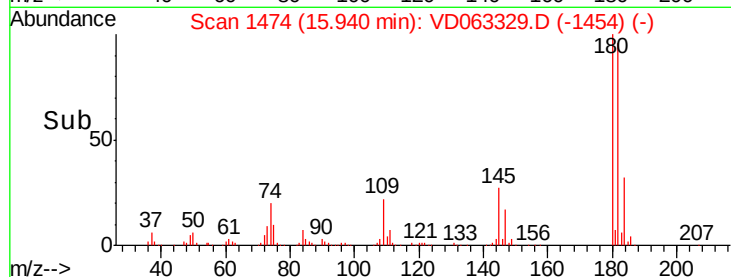
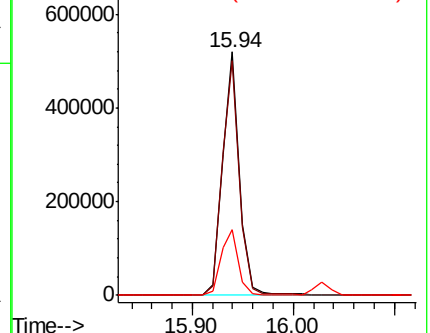
145 26.7 12.2 36.6



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: 46.062 ug/l

RT: 16.03 min Scan# 1483

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

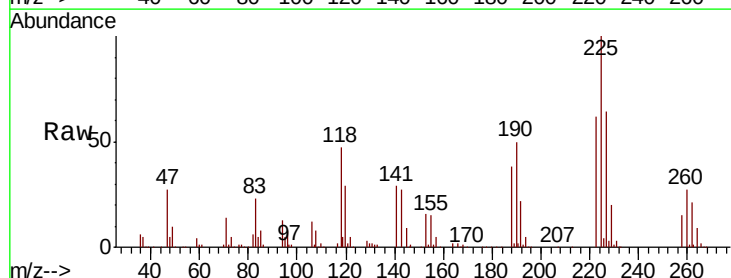
Tgt Ion:225 Resp: 438399

Ion Ratio Lower Upper

225 100

223 62.4 30.9 92.5

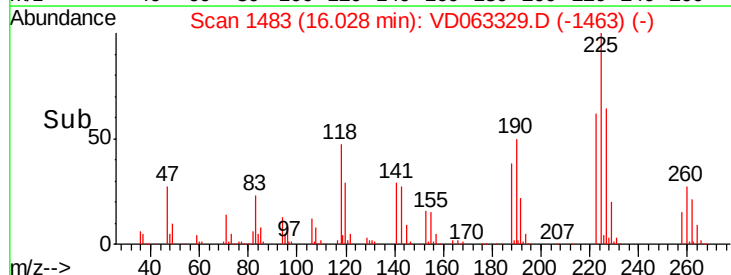
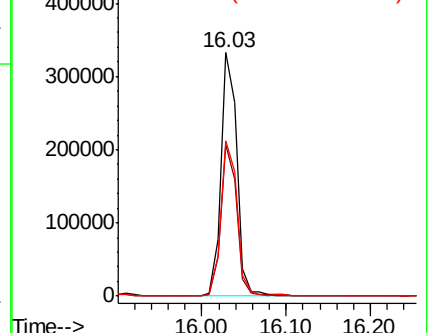
227 63.7 32.6 97.7

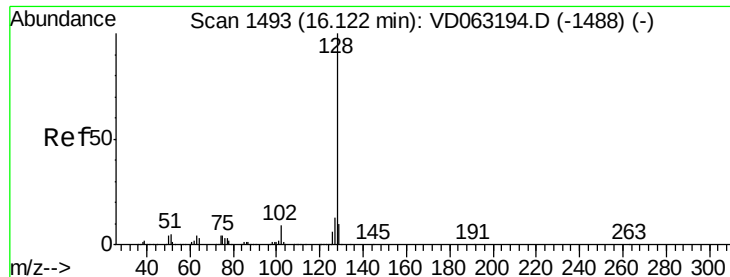


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

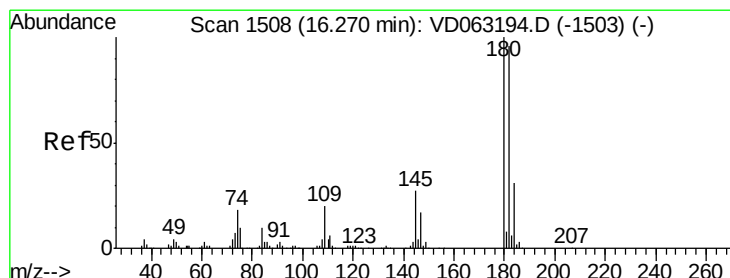
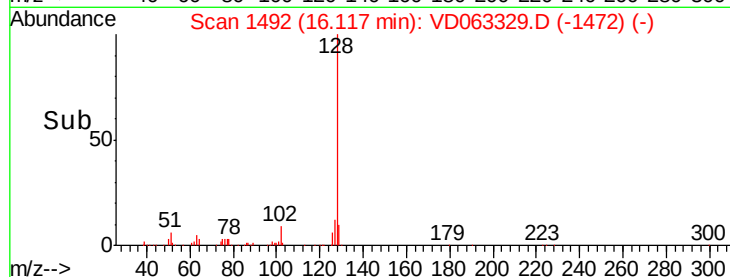
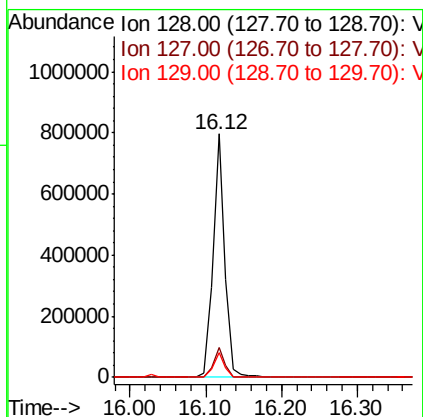
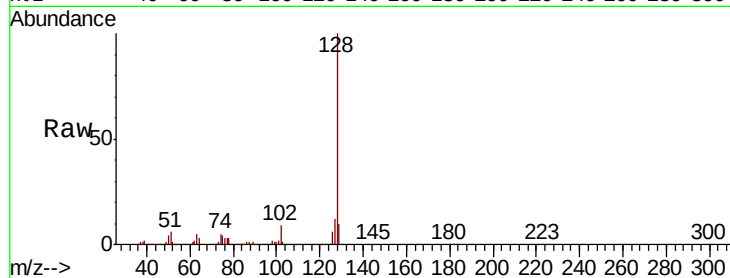




#95
Naphthalene
Concen: 47.474 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 881256
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 9.9 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 45.893 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Tgt Ion:180 Resp: 476154
Ion Ratio Lower Upper
180 100
182 95.0 48.3 144.9
145 29.5 13.6 40.7

