

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063329.D
 Acq On : 2 Aug 2019 20:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 02 23:08:36 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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 Response via : Initial Calibration

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

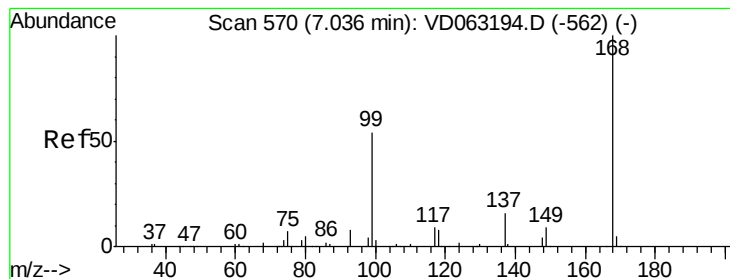
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	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 :

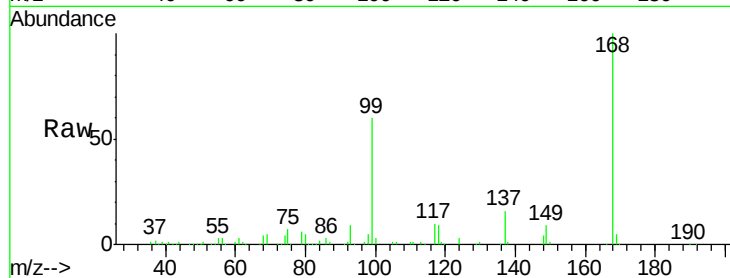
VSTDCCC050EC

Tot 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

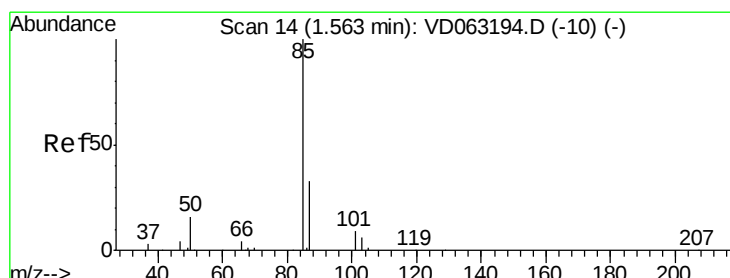
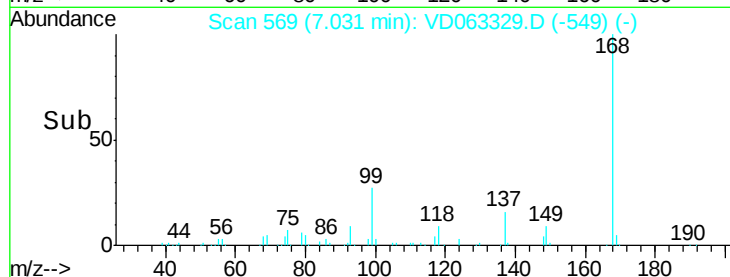
200000

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

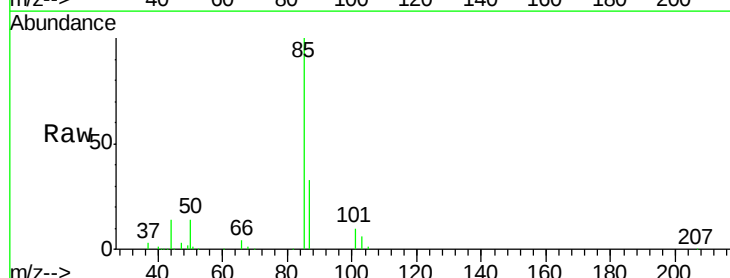
Acq: 2 Aug 2019 20:56

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

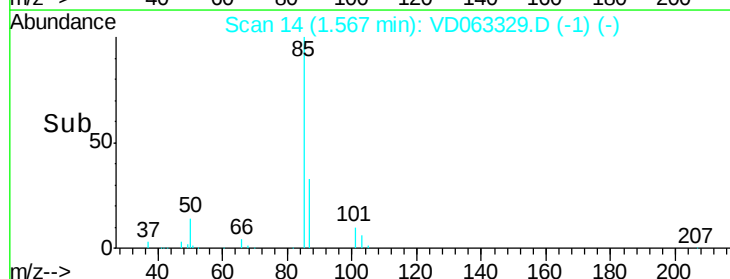
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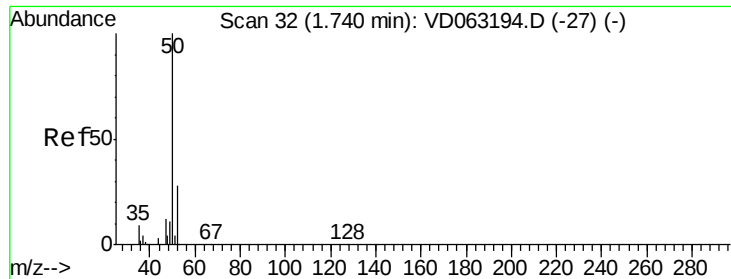
50000

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 :

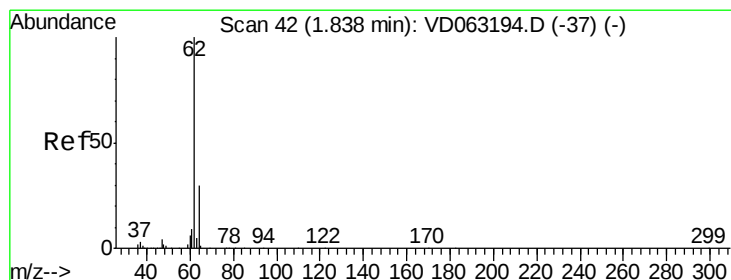
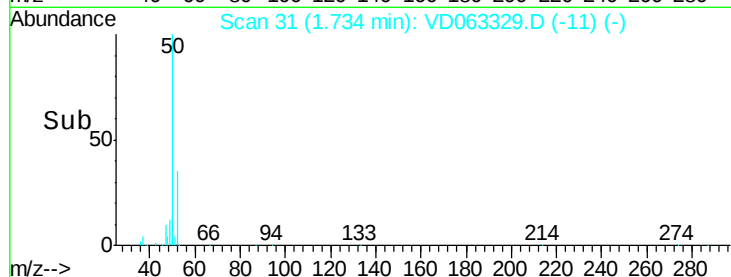
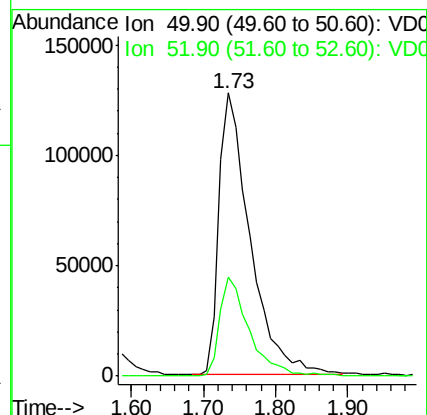
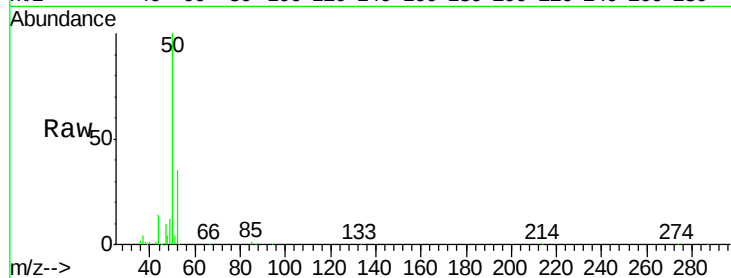
VSTDCCC050EC

Tot 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

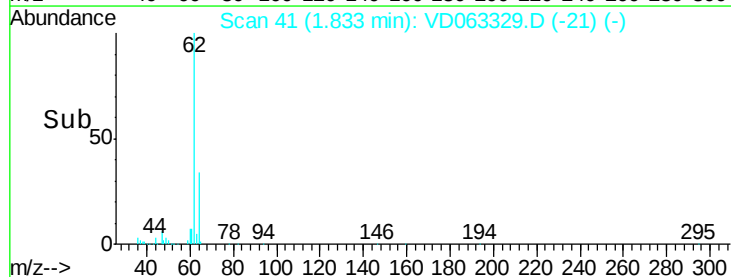
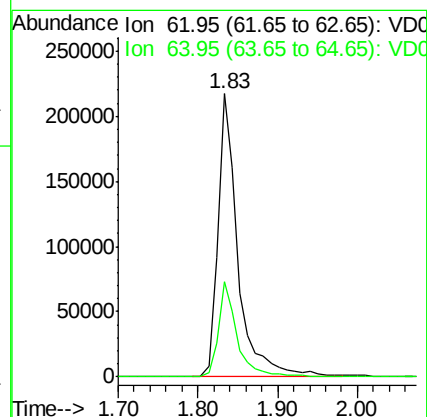
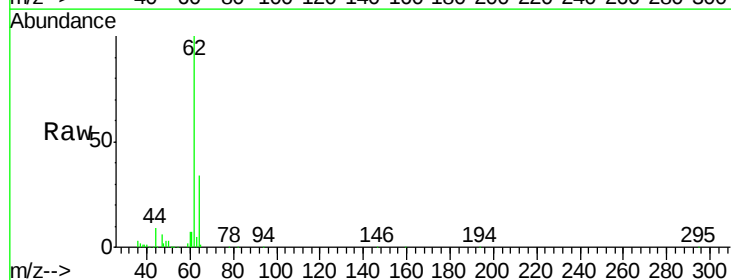
Acq: 2 Aug 2019 20:56

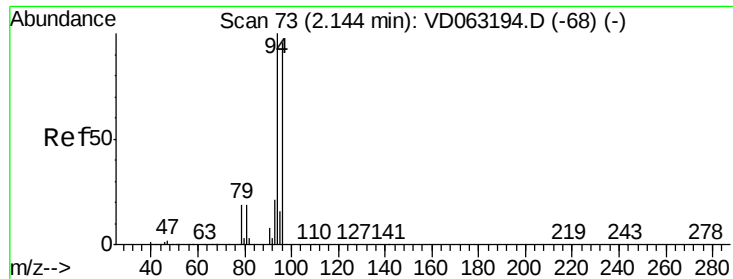
Tgt Ion: 62 Resp: 382898

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

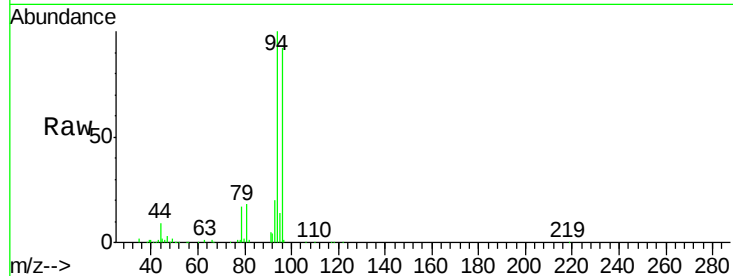
Tot Ion: 94 Resp: 216620

Ion Ratio Lower Upper

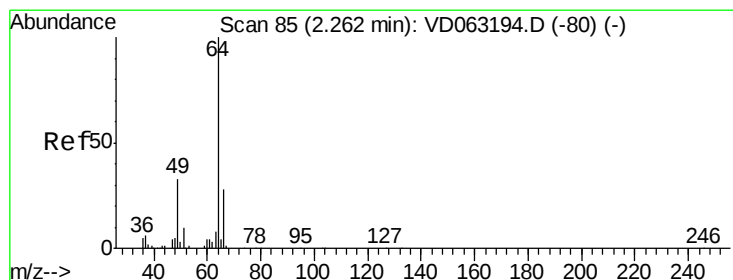
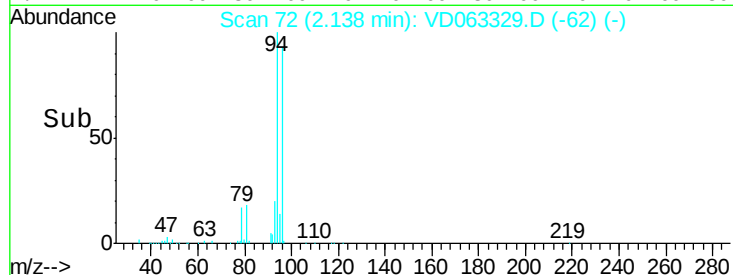
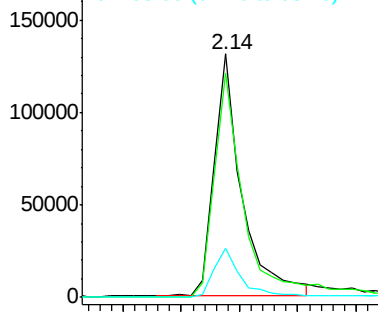
94 100

96 91.9 76.4 114.6

93 20.1 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 51.274 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063329.D

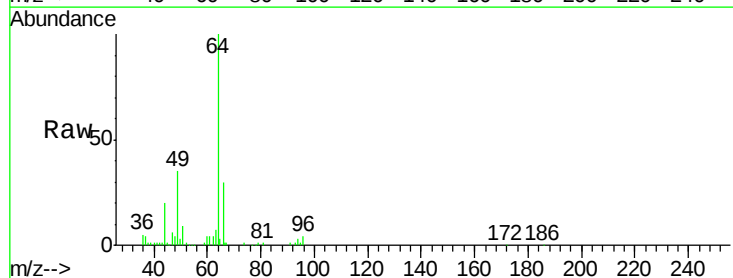
Acq: 2 Aug 2019 20:56

Tgt Ion: 64 Resp: 211677

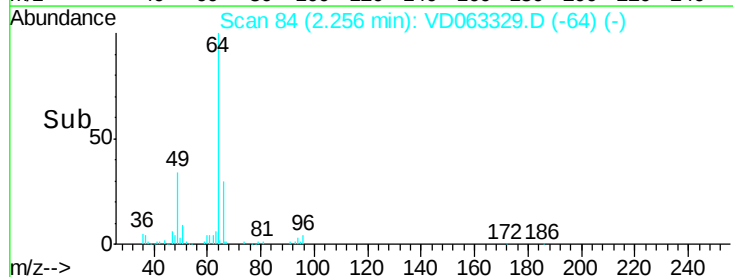
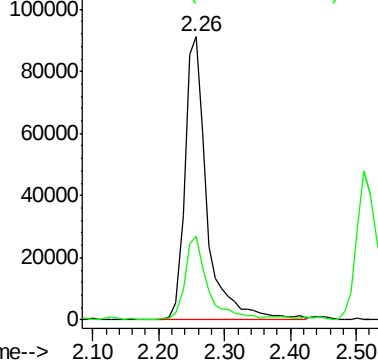
Ion Ratio Lower Upper

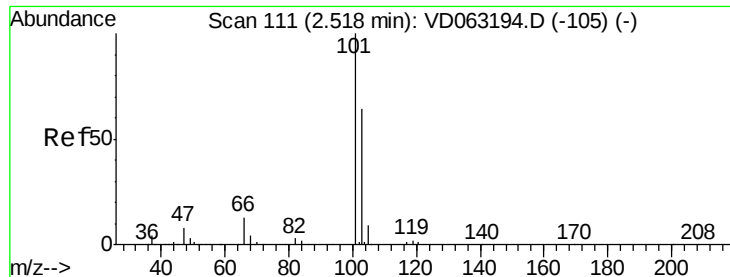
64 100

66 29.5 22.2 33.2



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



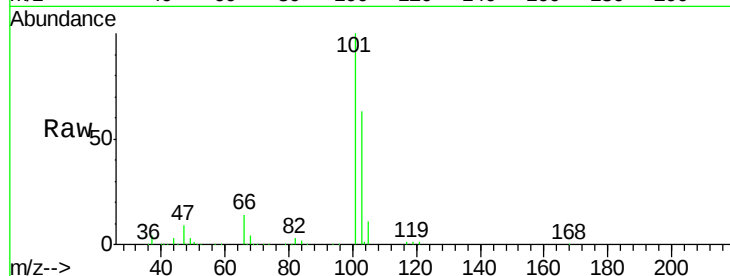


#7

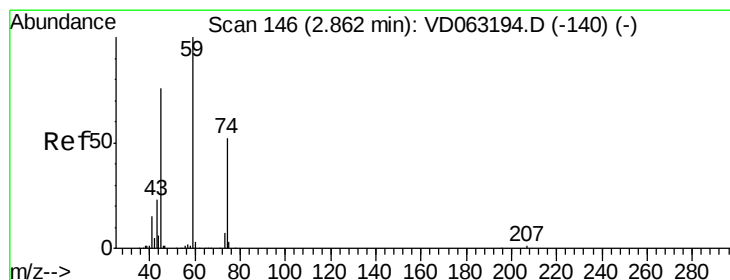
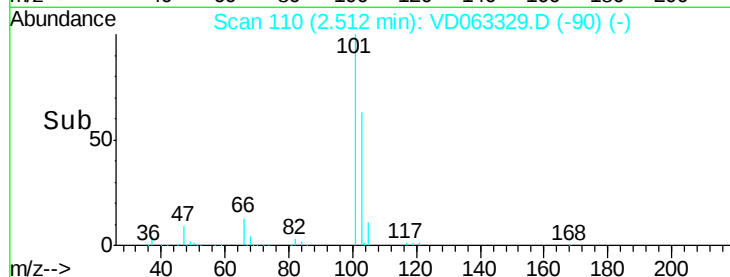
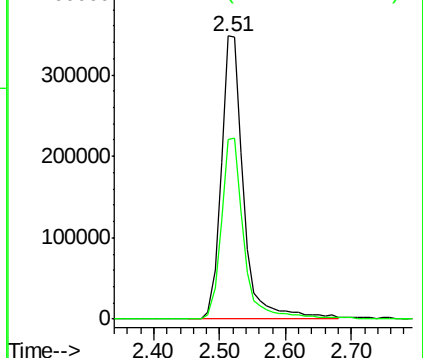
Trichlorofluoromethane
 Concen: 47.469 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Instrument :
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Tot Ion:101 Resp: 823449
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.5 77.3



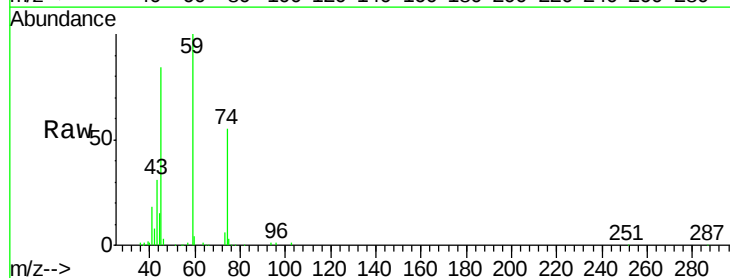
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



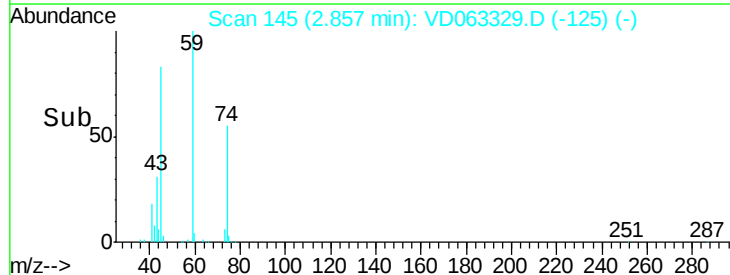
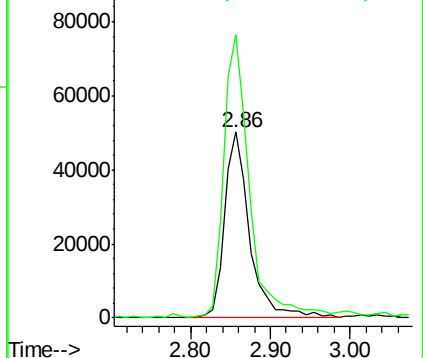
#8

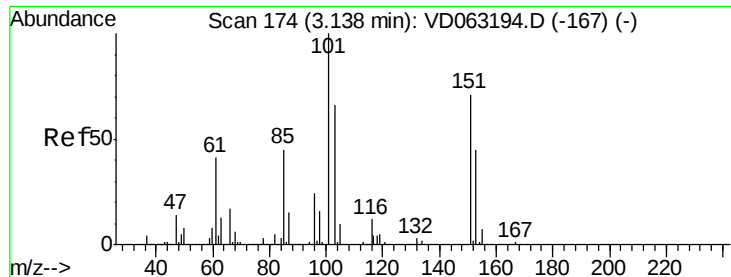
Diethyl Ether
 Concen: 45.889 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 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

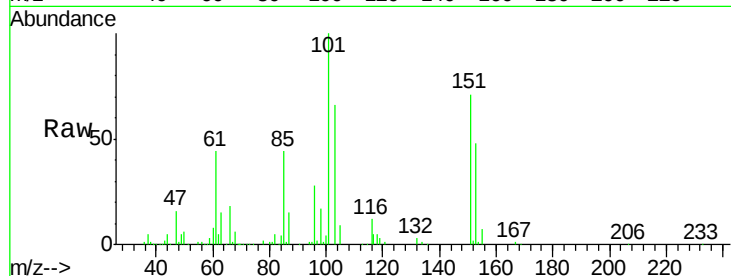
Tot Ion:101 Resp: 436022

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

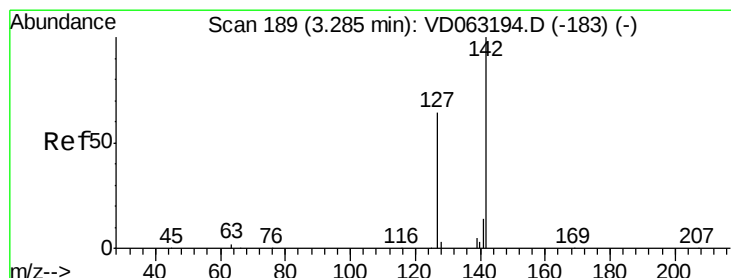
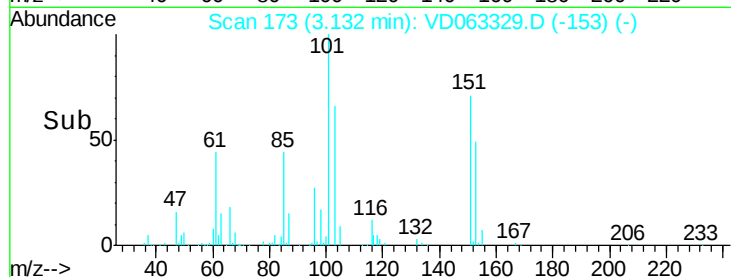
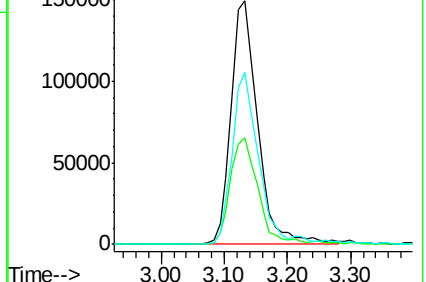
151 70.6 57.1 85.7



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

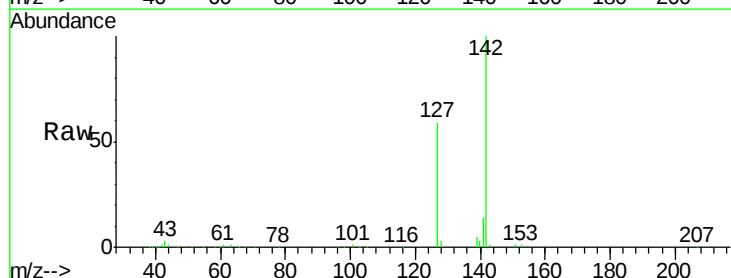
Tgt Ion:142 Resp: 647717

Ion Ratio Lower Upper

142 100

127 58.8 50.8 76.2

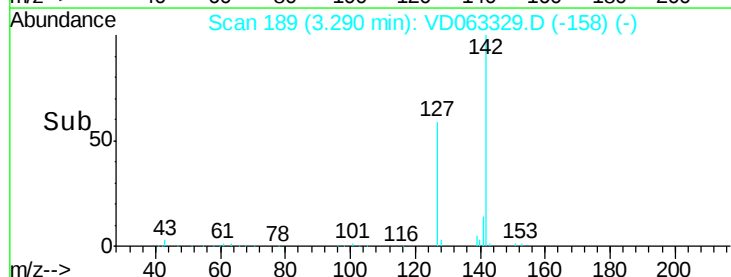
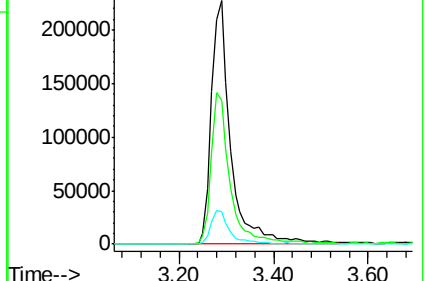
141 13.6 11.4 17.2

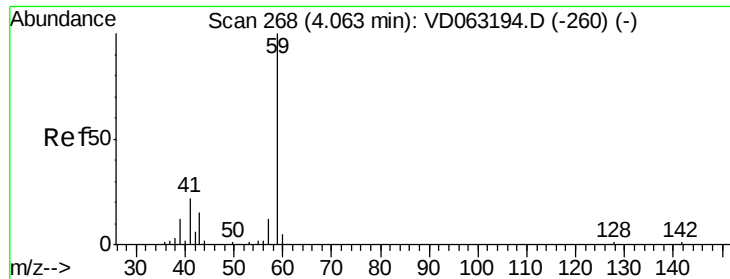


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

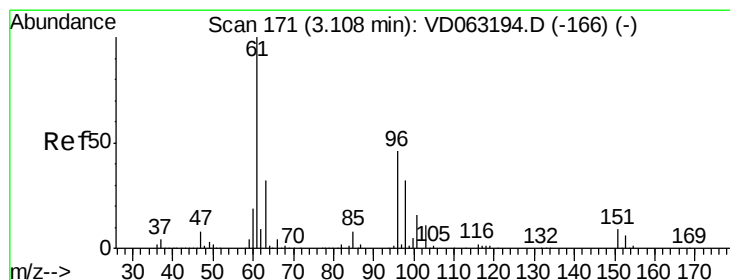
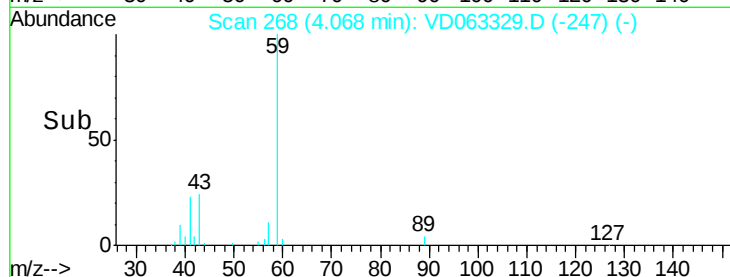
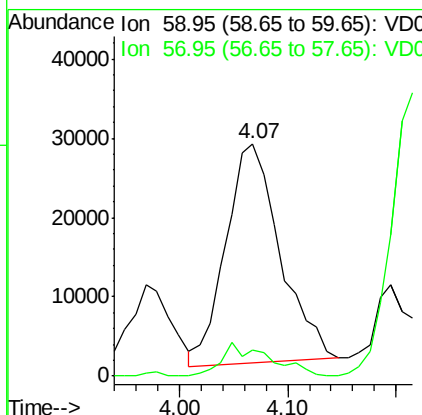
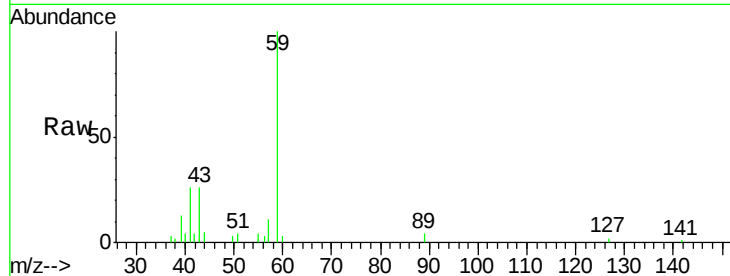




#11
Tert butyl alcohol
Concen: 219.125 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

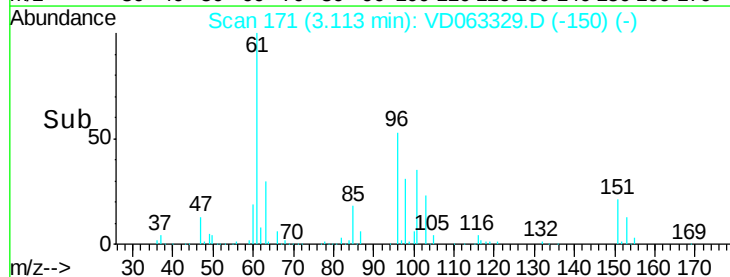
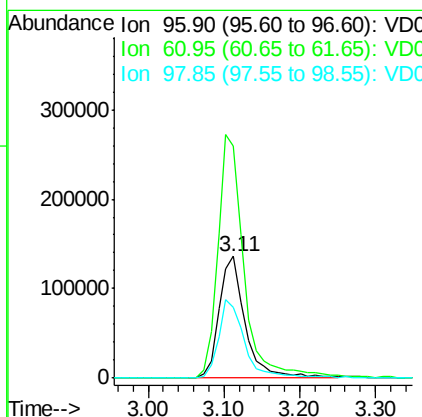
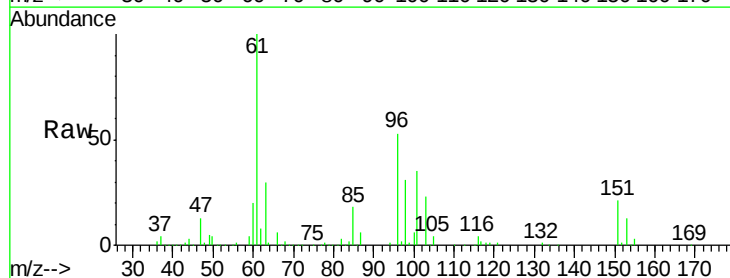
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

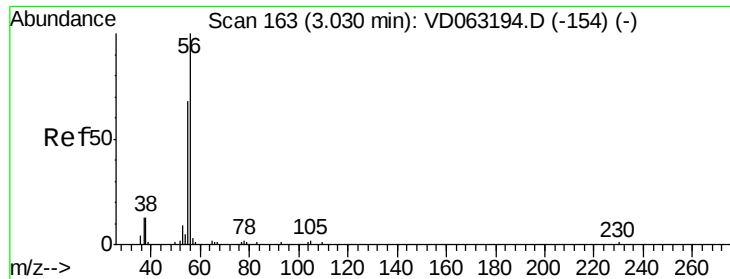
Tot Ion: 59 Resp: 97045
Ion Ratio Lower Upper
59 100
57 11.1 9.6 14.4



#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 :

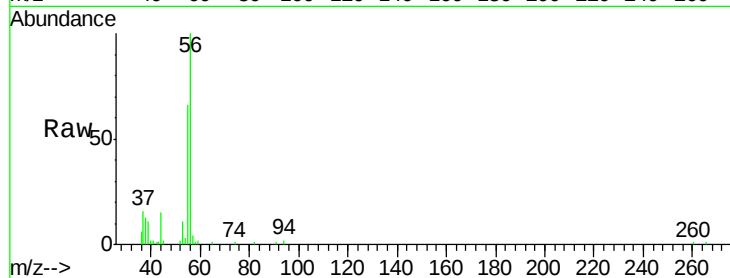
VSTDCCC050EC

Tot 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

60000

50000

40000

30000

20000

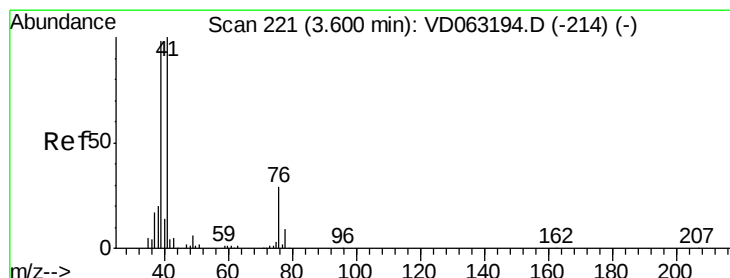
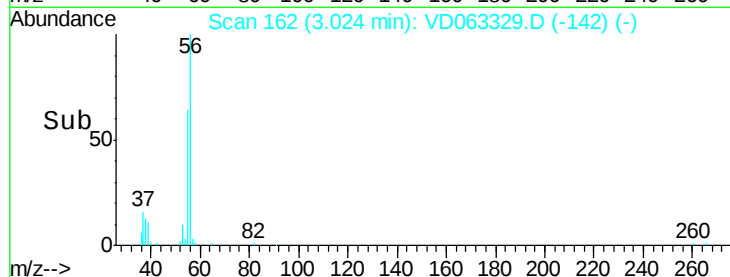
10000

0

Time-->

2.90 3.00 3.10 3.20

3.02



#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

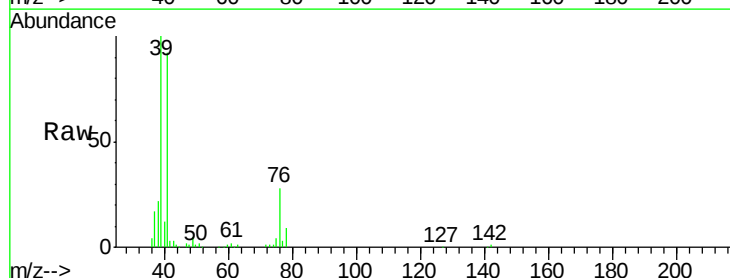
Tgt Ion: 41 Resp: 541901

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

300000

250000

200000

150000

100000

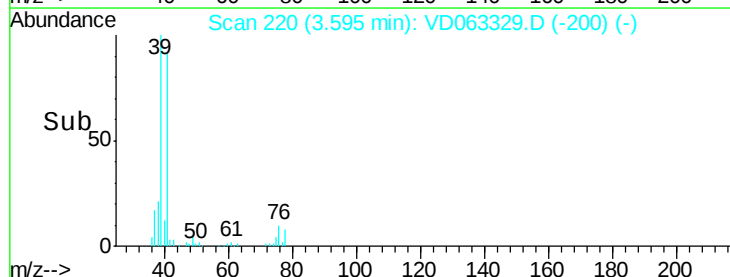
50000

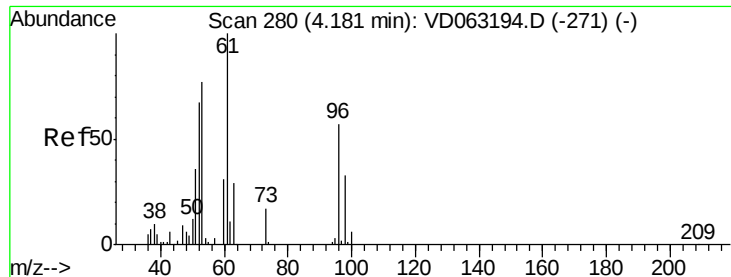
0

Time-->

3.50 3.60 3.70 3.80

3.60





#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

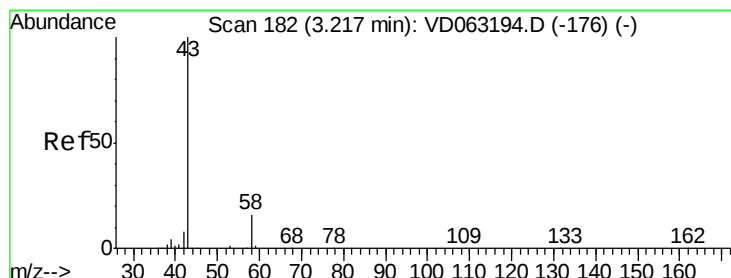
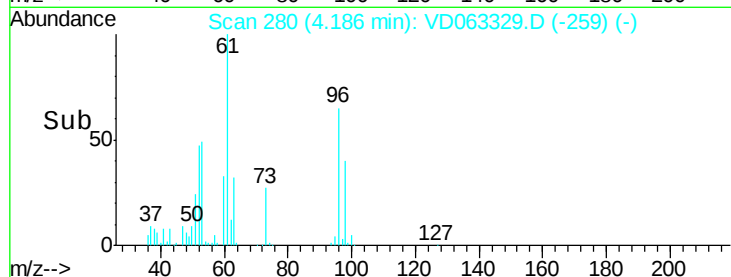
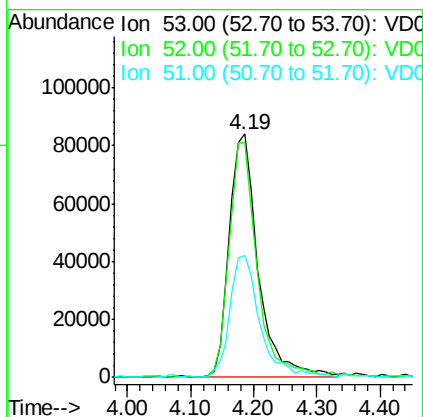
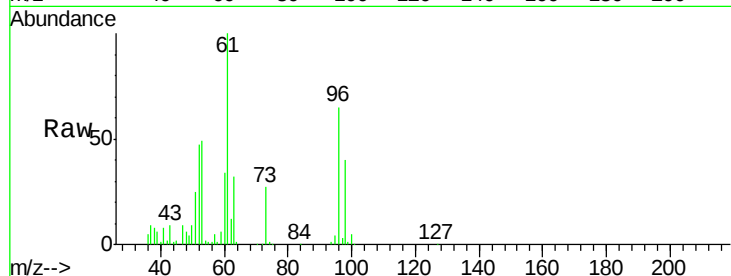
Tot Ion: 53 Resp: 268211

Ion Ratio Lower Upper

53 100

52 96.2 69.7 104.5

51 50.3 37.4 56.0



#16

Acetone

Concen: 218.179 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063329.D

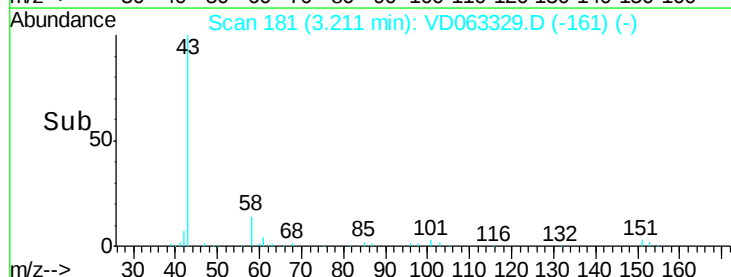
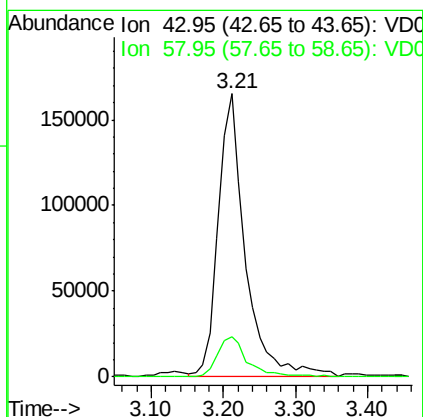
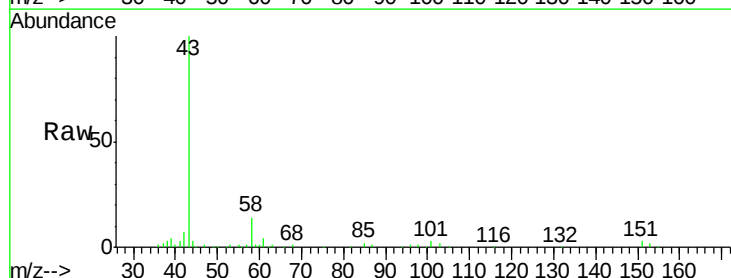
Acq: 2 Aug 2019 20:56

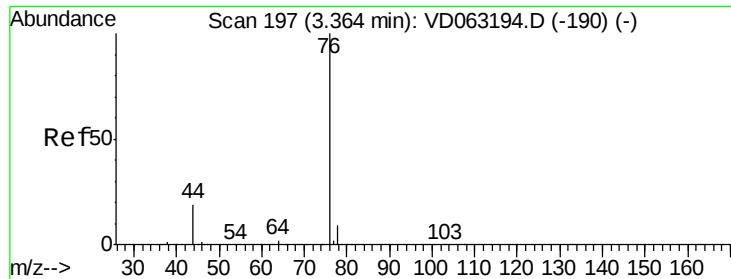
Tgt Ion: 43 Resp: 428998

Ion Ratio Lower Upper

43 100

58 14.2 13.0 19.4

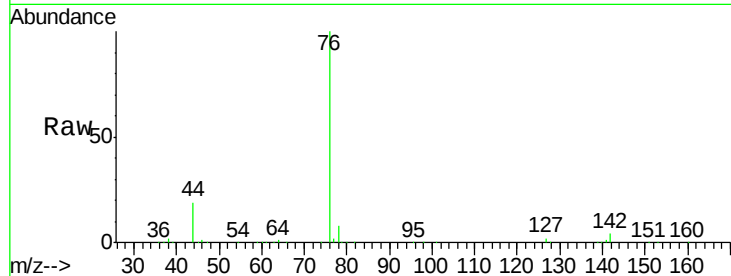




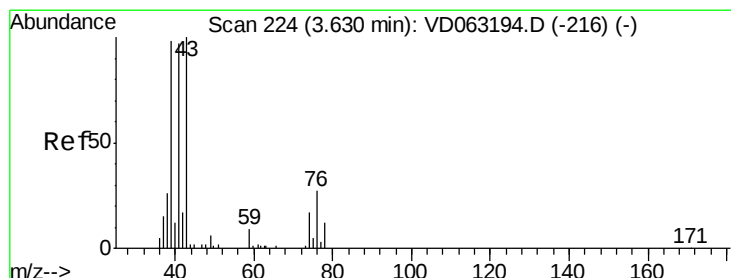
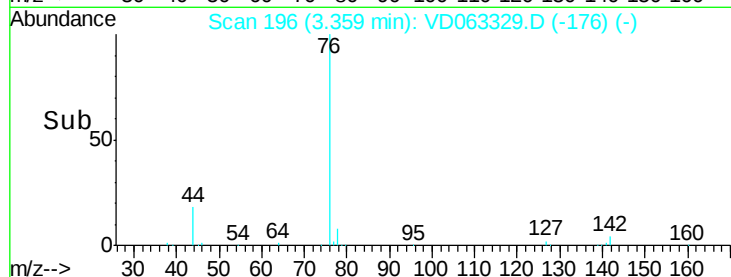
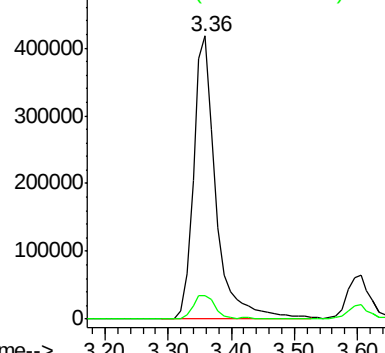
#17
Carbon Disulfide
Concen: 43.756 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

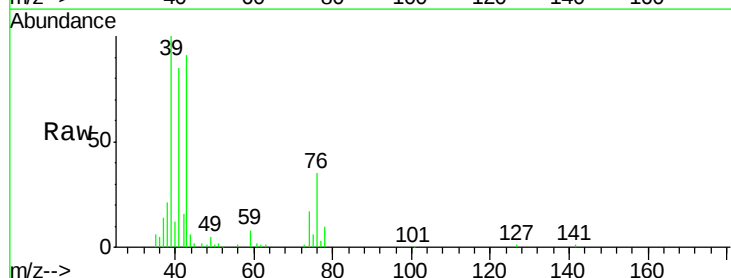


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

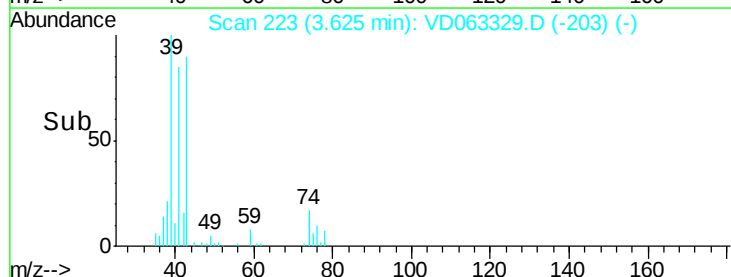
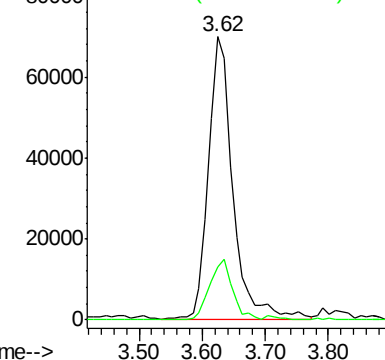


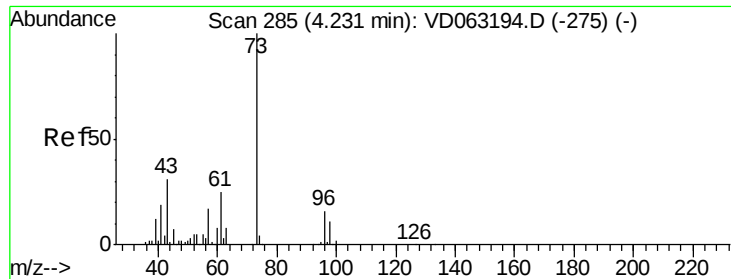
#18
Methyl Acetate
Concen: 49.781 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

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

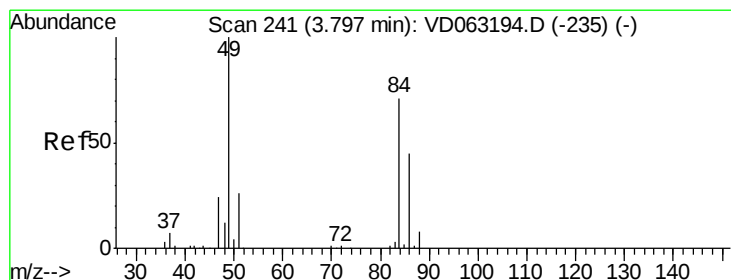
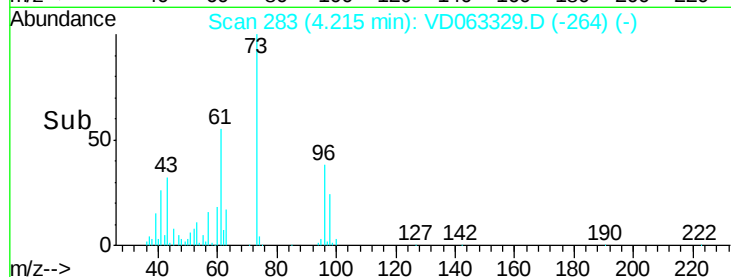
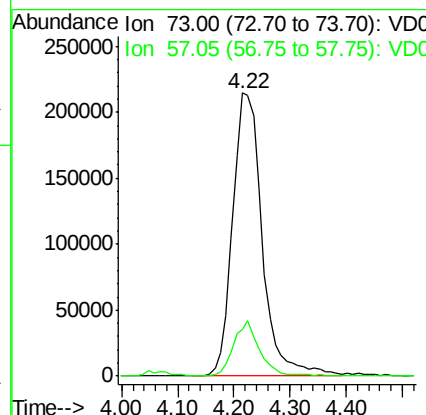
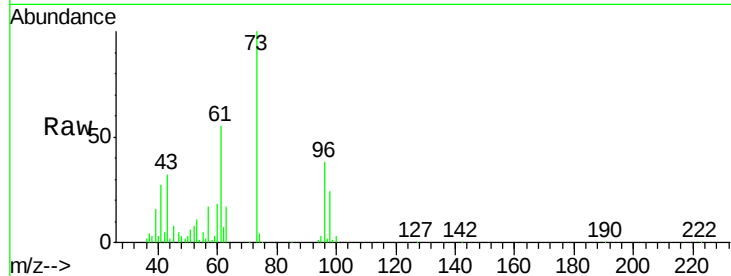




#19
Methvl tert-butvl Ether
Concen: 49.493 ug/l
RT: 4.22 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

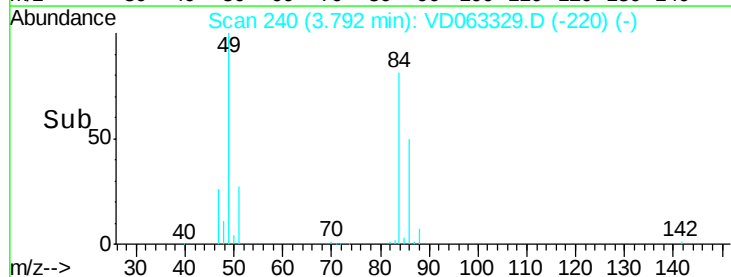
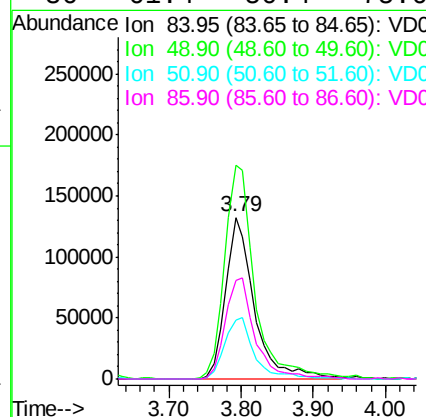
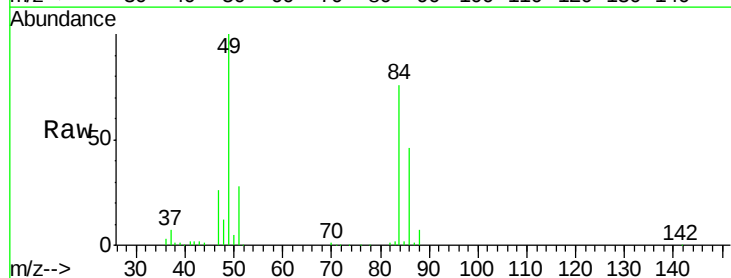
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

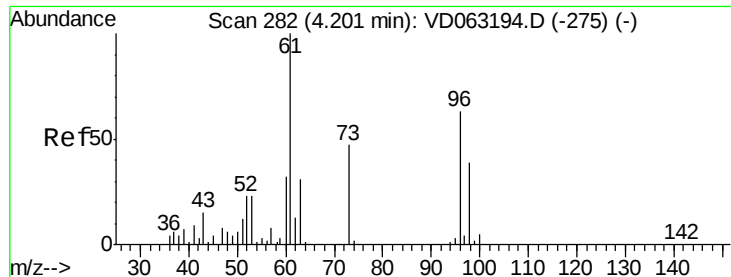
Tot Ion: 73 Resp: 788675
Ion Ratio Lower Upper
73 100
57 16.6 13.8 20.6



#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

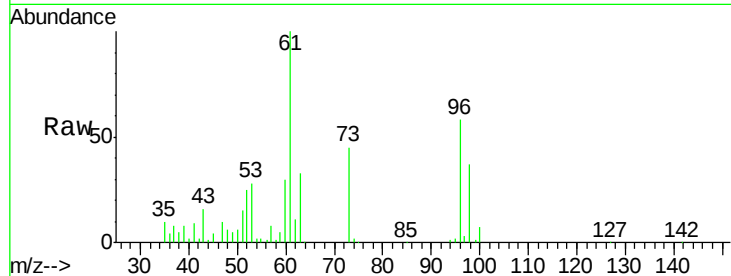
Tot Ion: 96 Resp: 383884

Ion Ratio Lower Upper

96 100

61 172.1 127.4 191.2

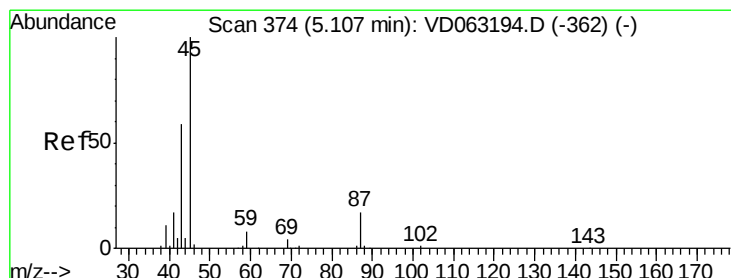
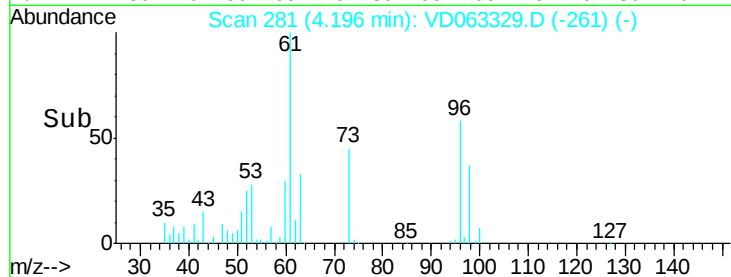
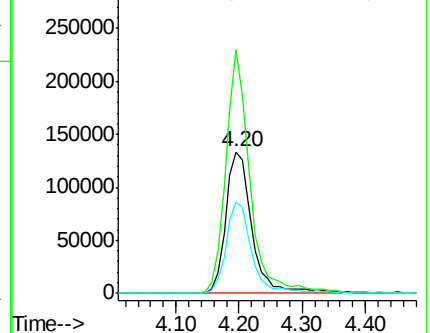
98 64.1 49.3 73.9



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

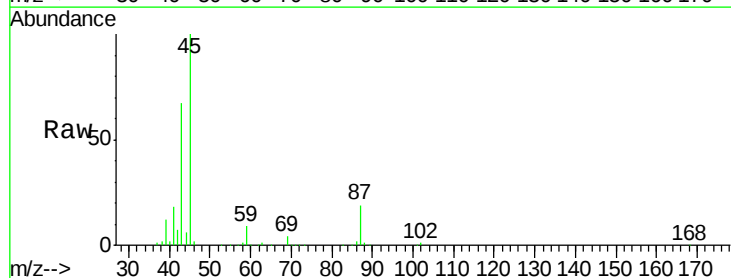
Ion Ratio Lower Upper

45 100

43 67.0 51.7 77.5

87 18.7 14.6 21.8

59 9.3 6.6 10.0

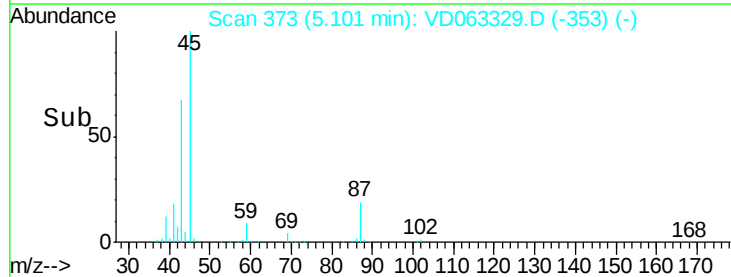
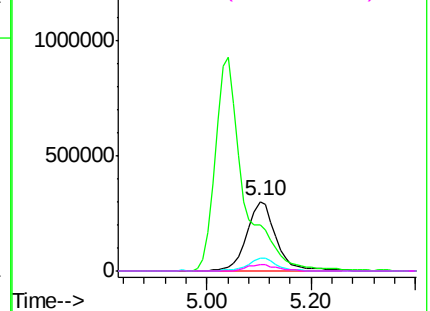


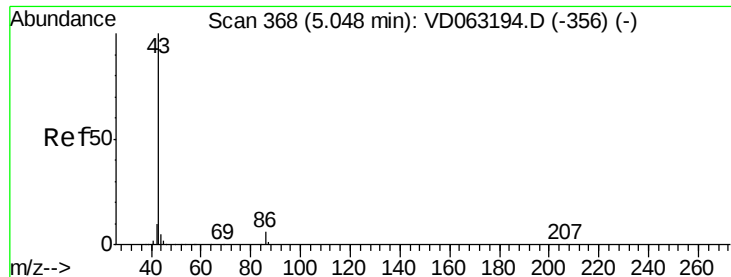
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

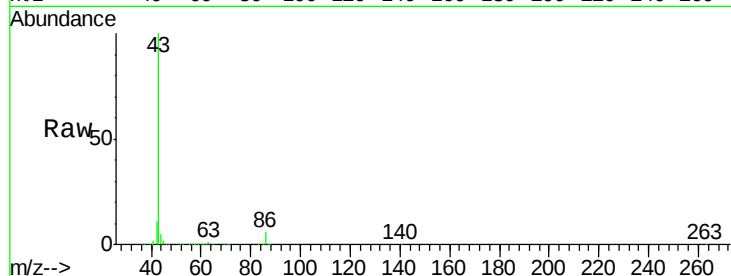
VSTDCCC050EC

Tot 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

5.04

1000000

800000

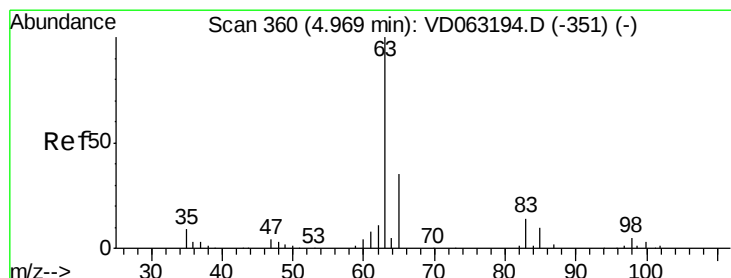
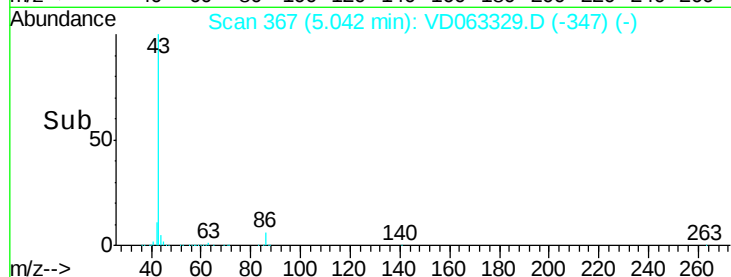
600000

400000

200000

0

Time-->



#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

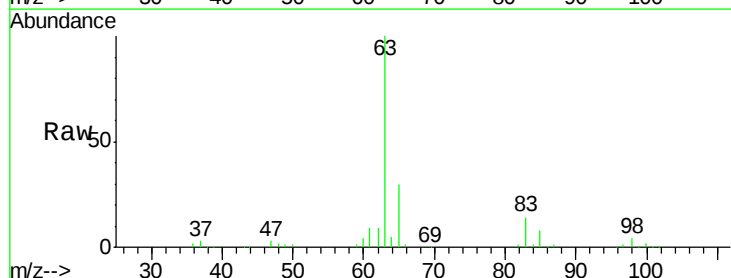
Tgt Ion: 63 Resp: 702220

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

250000

200000

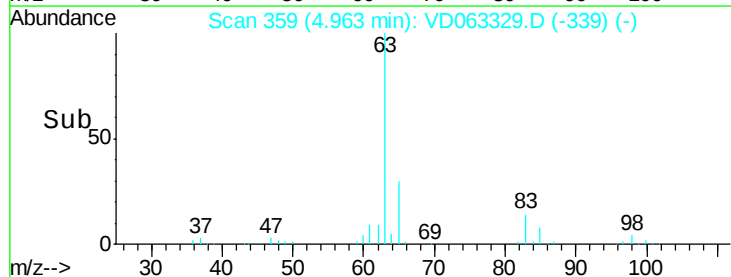
150000

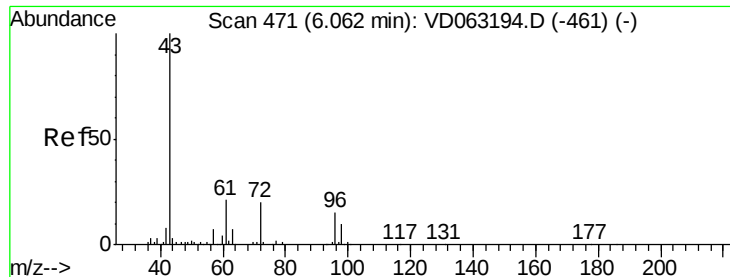
100000

50000

0

Time-->





#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 :

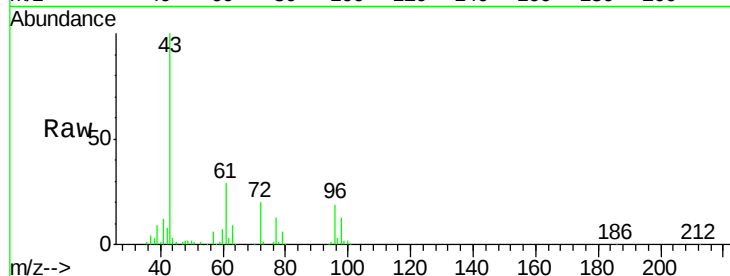
VSTDCCC050EC

Tot 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

6.06

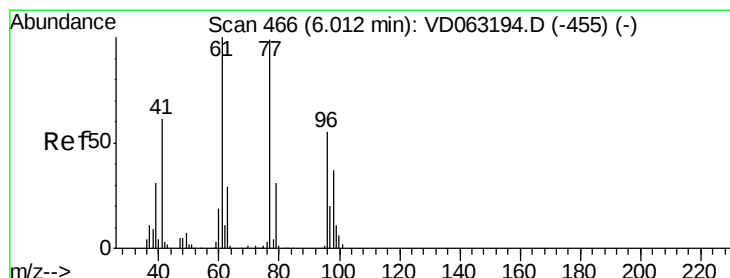
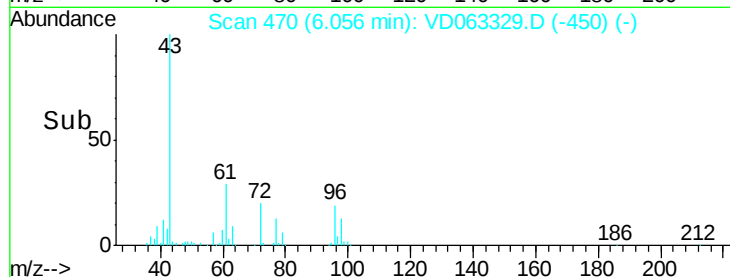
150000

100000

50000

0

Time-->



#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

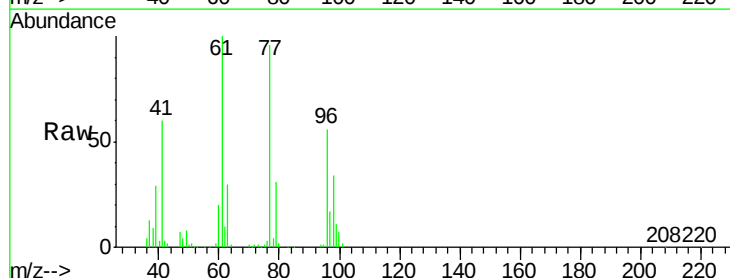
Acq: 2 Aug 2019 20:56

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

6.01

200000

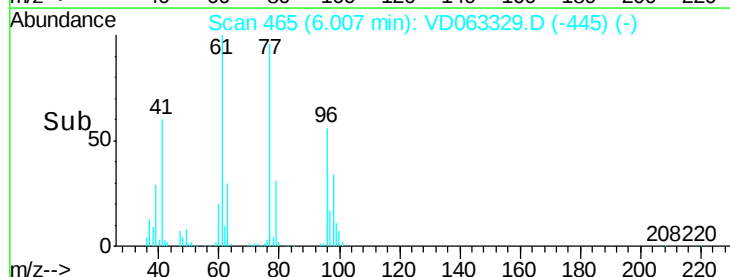
150000

100000

50000

0

Time-->



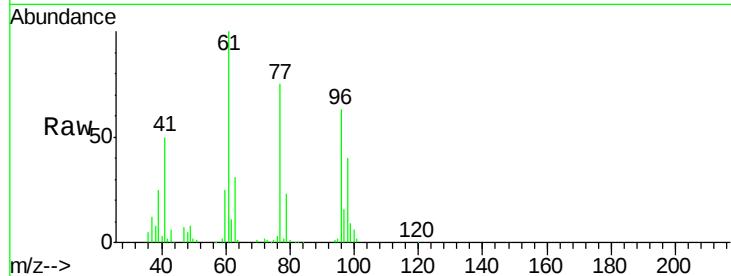


#27

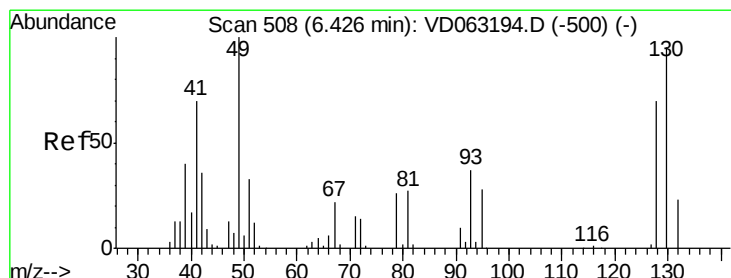
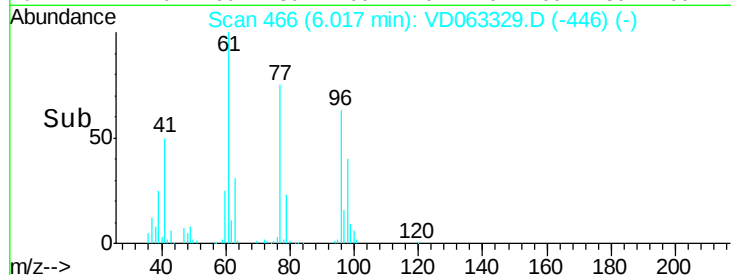
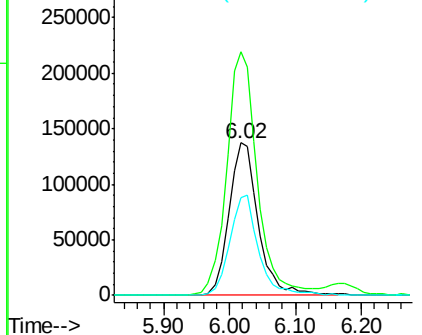
cis-1,2-Dichloroethene
 Concen: 50.330 ug/l
 RT: 6.02 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	96	Resp	427116
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	337.2
98	63.8	0.0	130.6



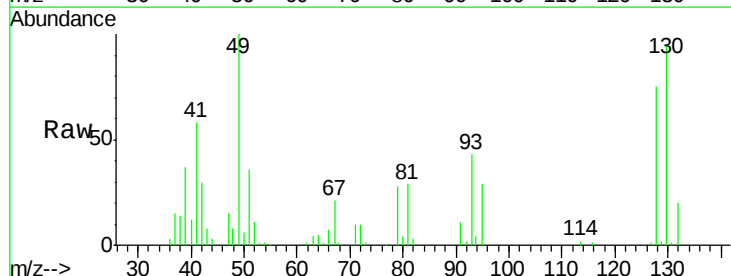
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



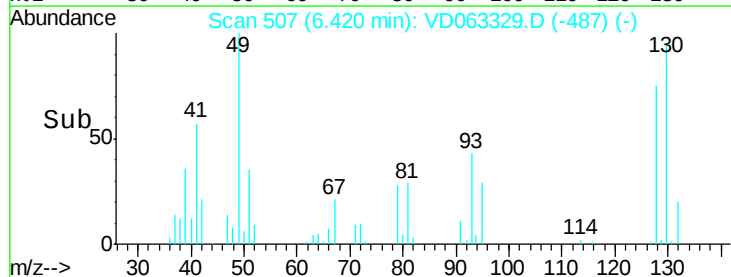
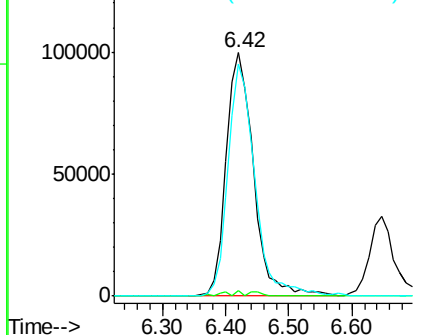
#28

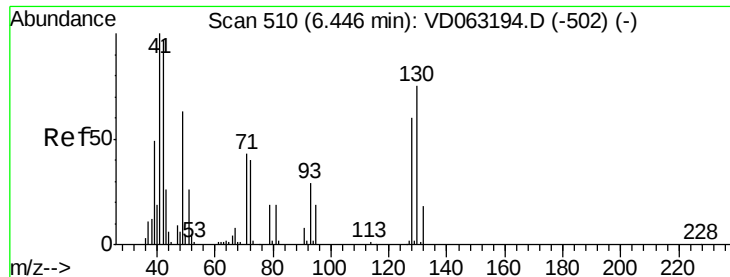
Bromochloromethane
 Concen: 52.061 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

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

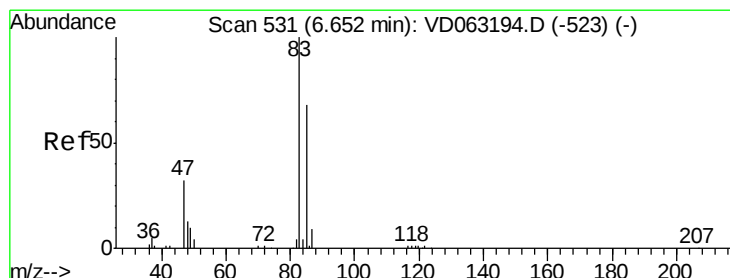
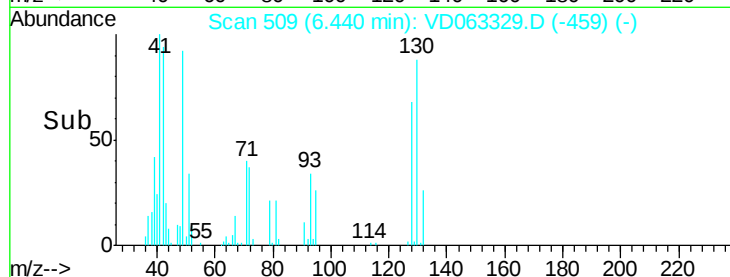
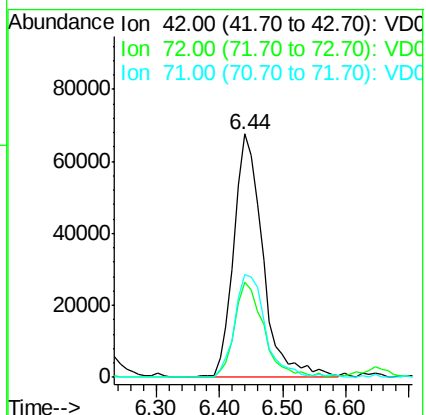
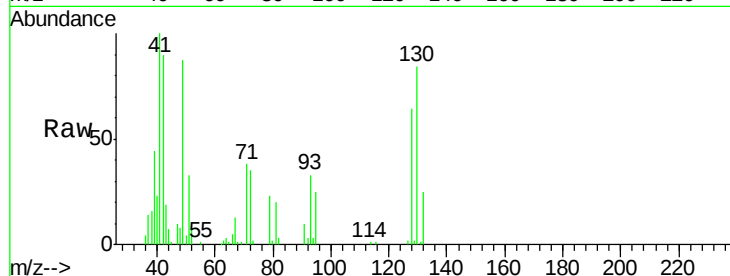
Tot Ion: 42 Resp: 215523

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

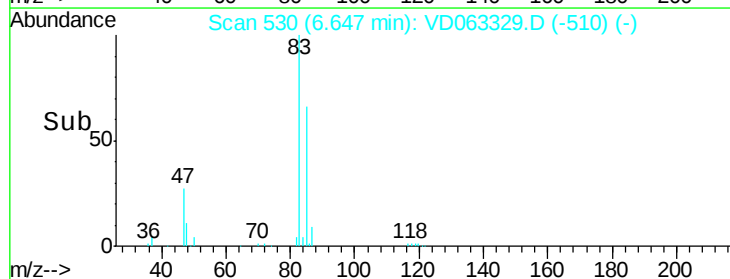
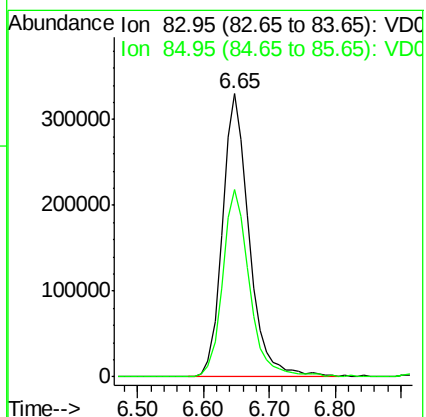
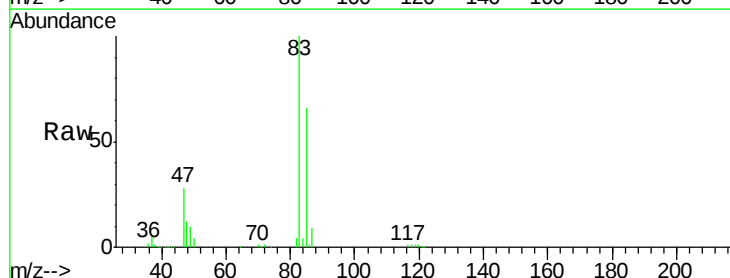
Acq: 2 Aug 2019 20:56

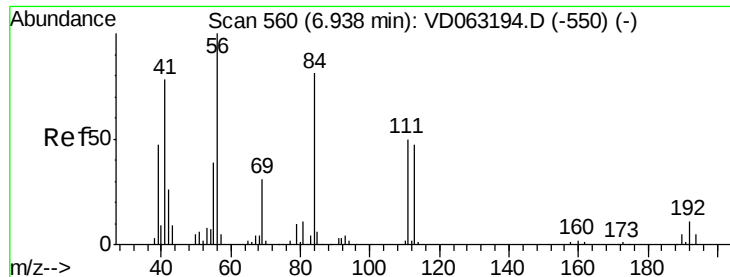
Tgt Ion: 83 Resp: 935806

Ion Ratio Lower Upper

83 100

85 66.3 54.2 81.4

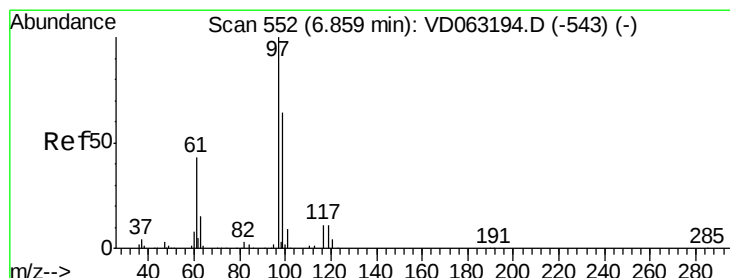
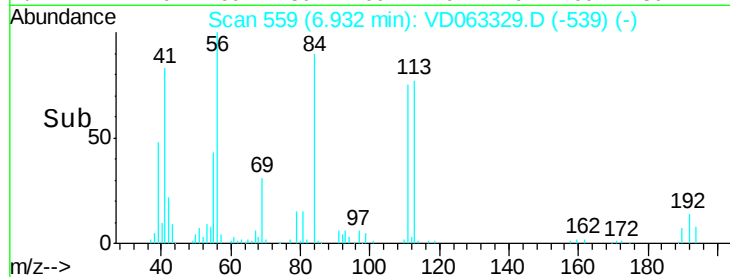
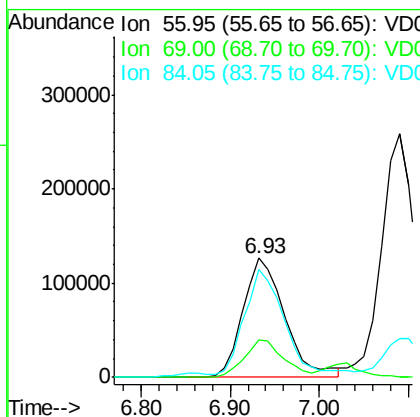
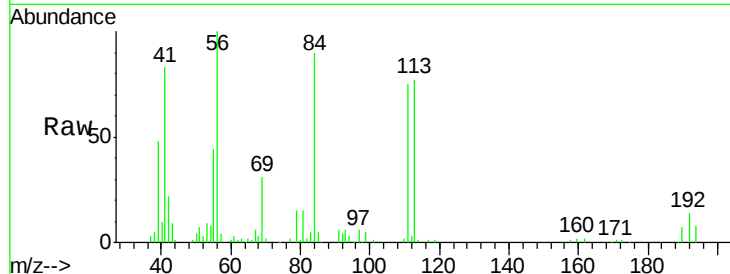




#31
Cyclohexane
Concen: 45.674 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

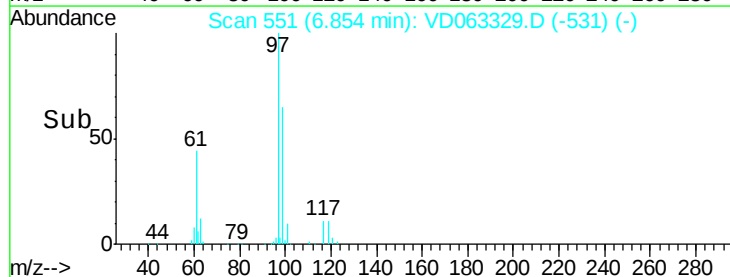
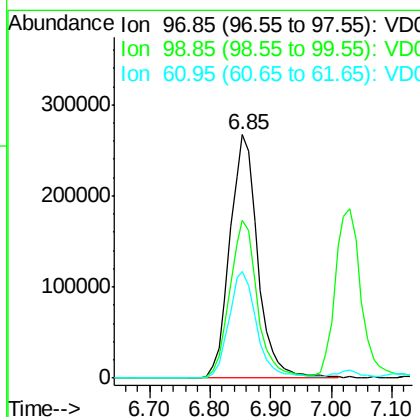
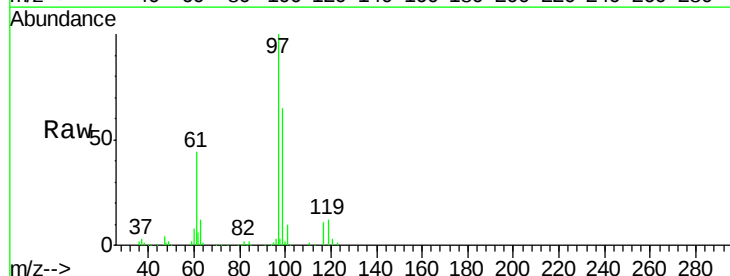
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

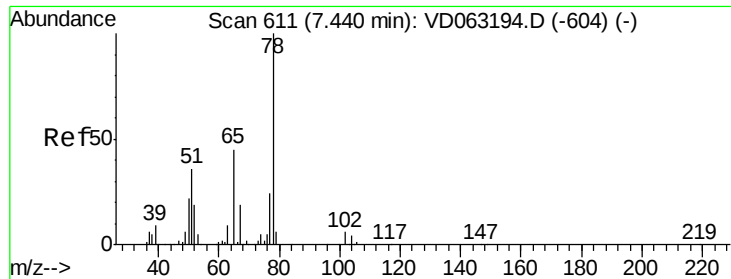
Tot Ion	56	Resp	410577
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.5	36.7
84	90.1	64.9	97.3



#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 :

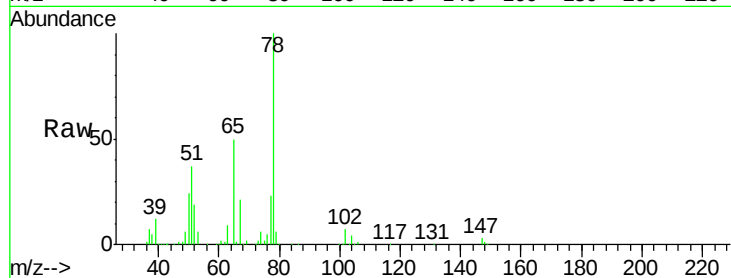
VSTDCCC050EC

Tot Ion: 65 Resp: 580208

Ion Ratio Lower Upper

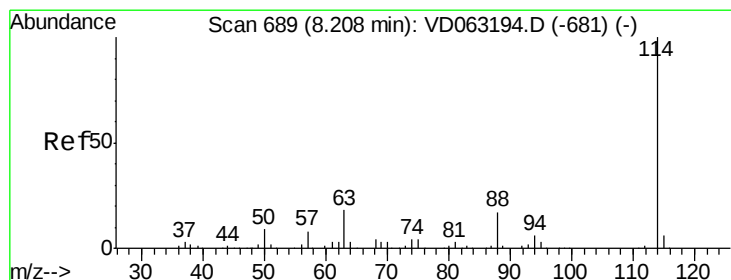
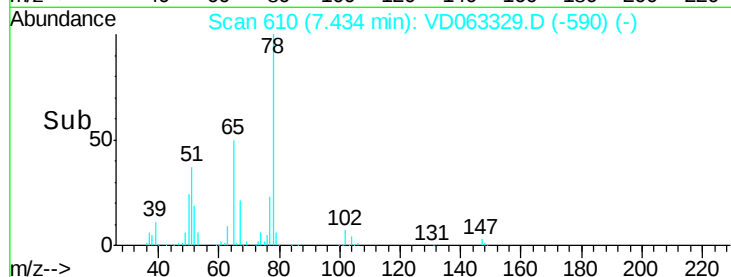
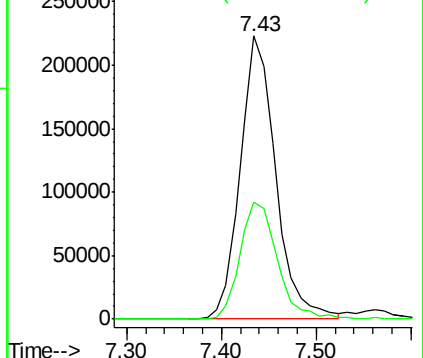
65 100

67 41.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

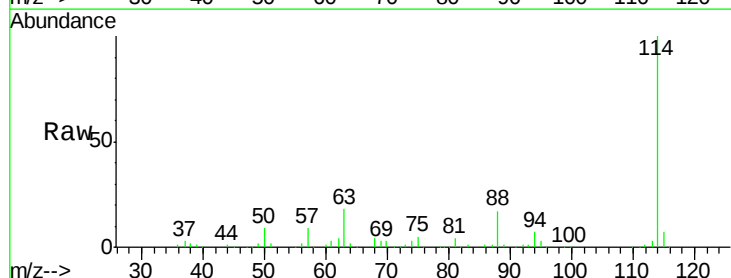
Tgt Ion: 114 Resp: 1223978

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.2

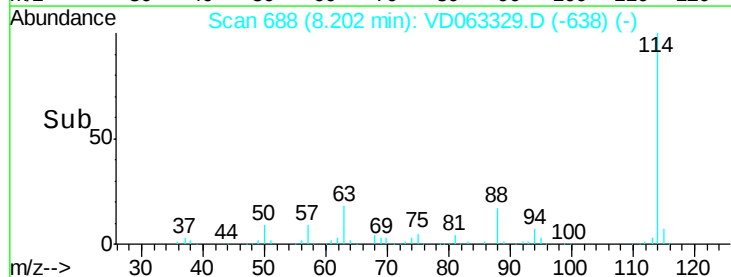
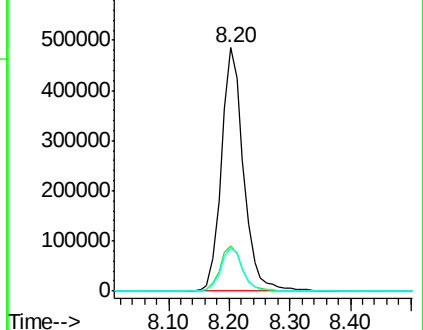
88 17.5 0.0 34.6

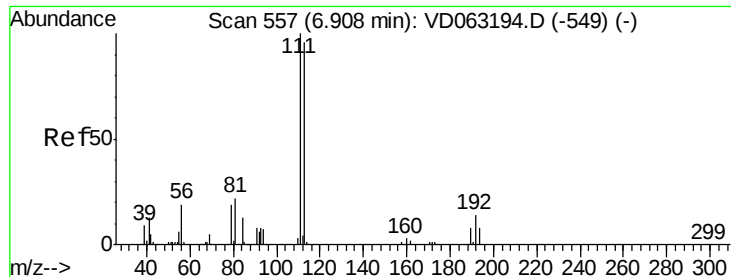


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 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

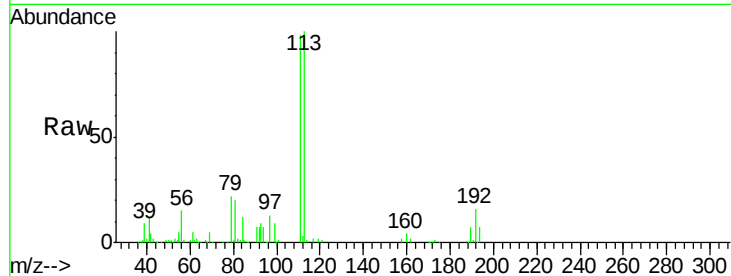
Tot Ion:113 Resp: 611019

Ion Ratio Lower Upper

113 100

111 98.5 83.2 124.8

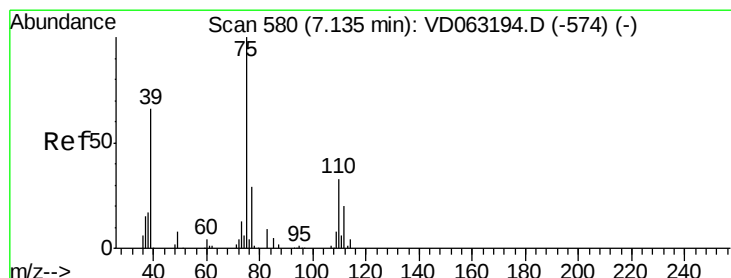
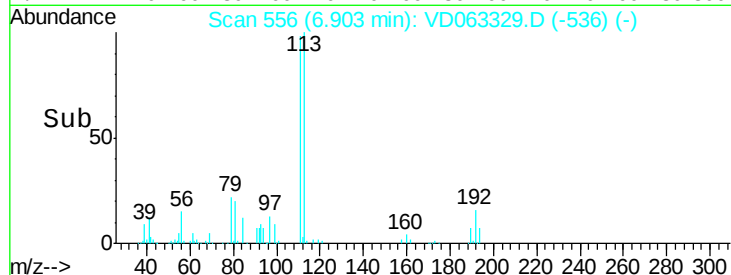
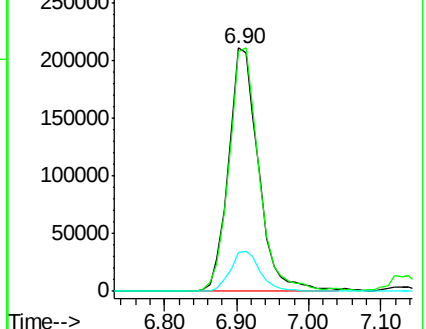
192 16.0 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 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

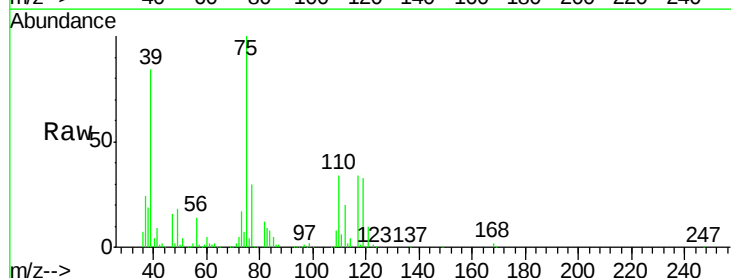
Tgt Ion: 75 Resp: 597640

Ion Ratio Lower Upper

75 100

110 33.6 16.1 48.2

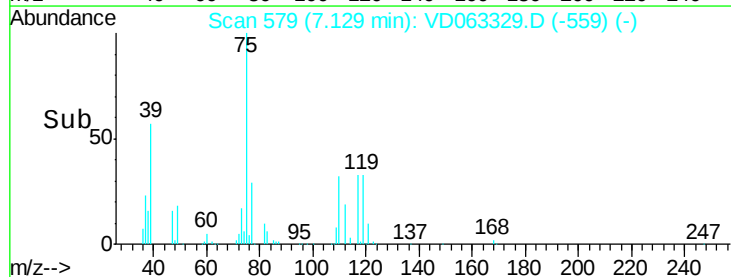
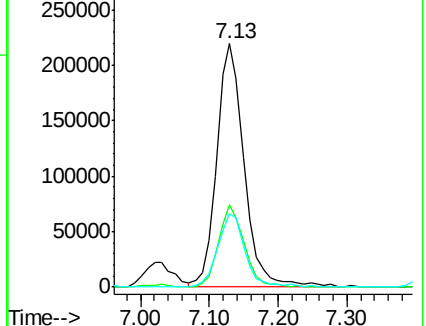
77 30.3 22.7 34.1

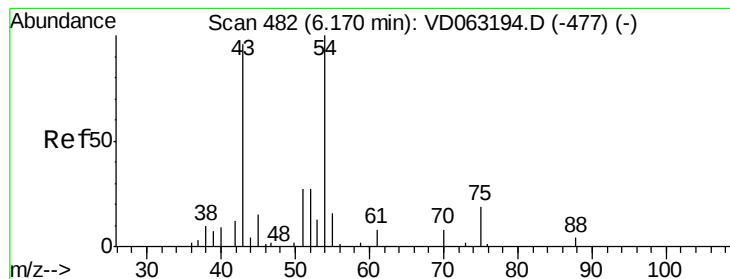


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#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

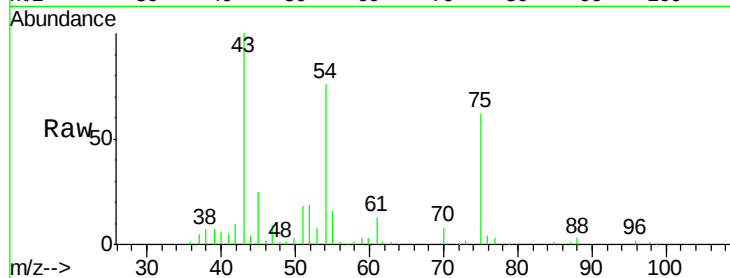
Tot Ion: 43 Resp: 239860

Ion Ratio Lower Upper

43 100

61 12.5 11.3 16.9

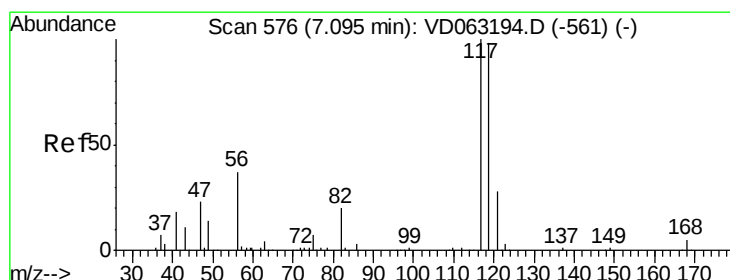
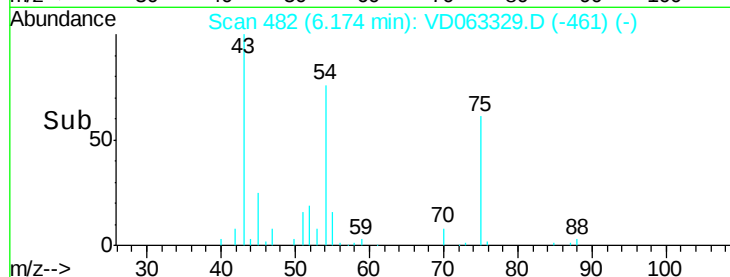
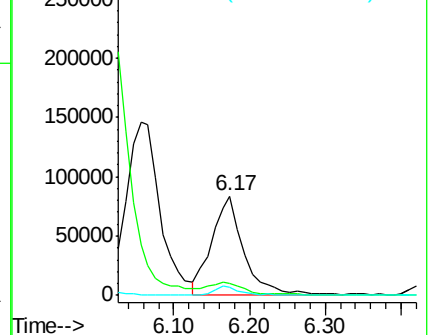
70 7.6 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 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

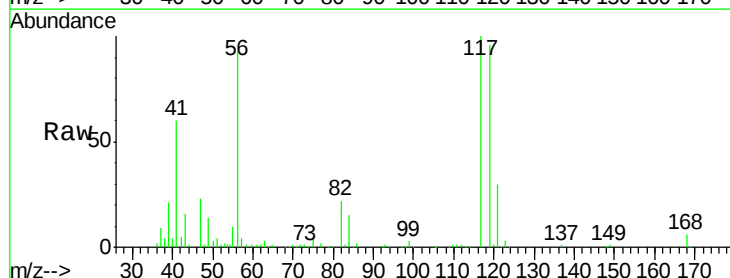
Tgt Ion: 117 Resp: 957796

Ion Ratio Lower Upper

117 100

119 96.4 78.2 117.2

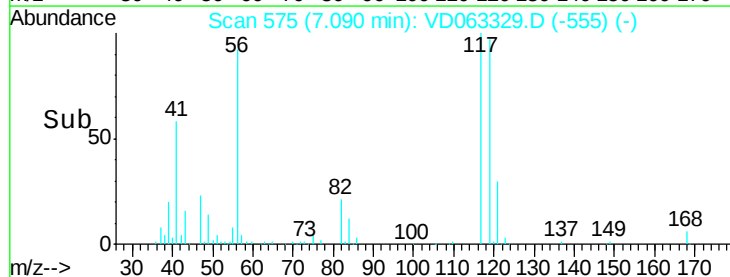
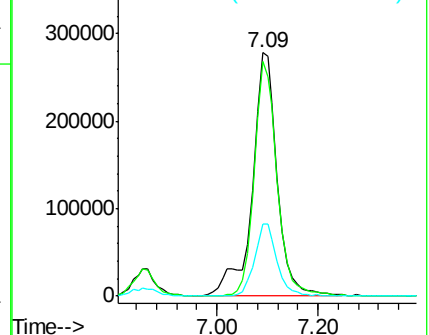
121 29.6 22.1 33.1

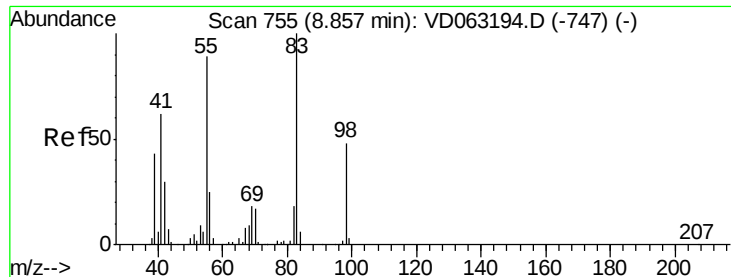


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

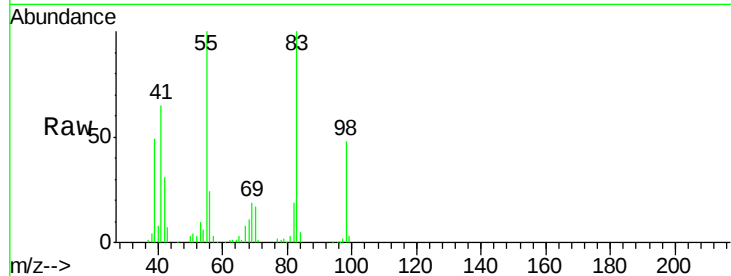




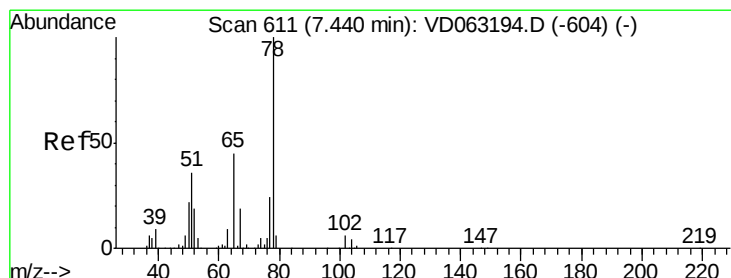
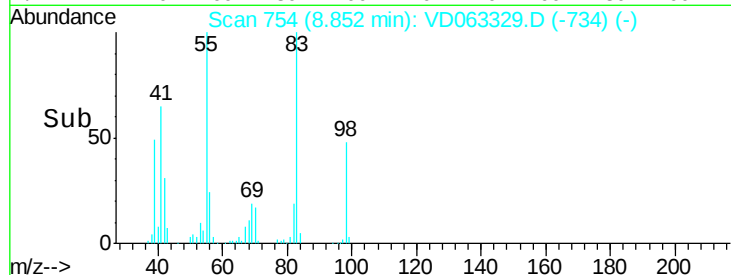
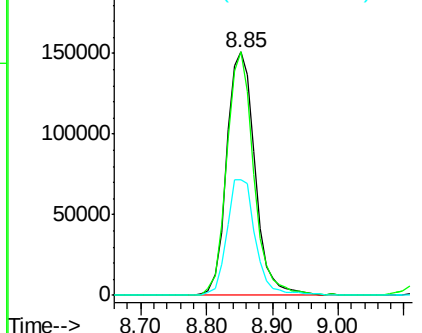
#39
Methvlcvclohexane
Concen: 48.734 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

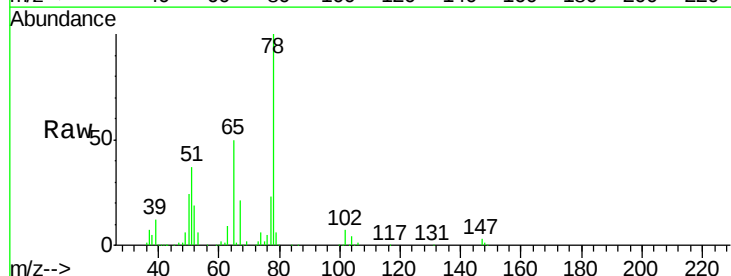


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

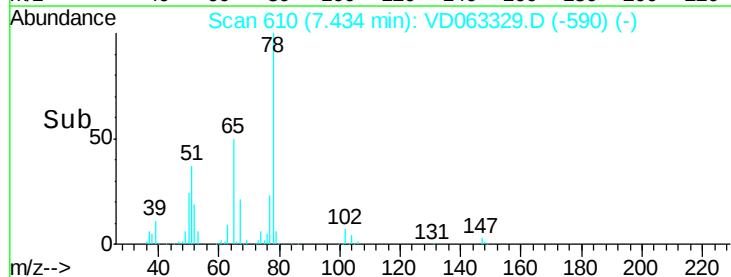
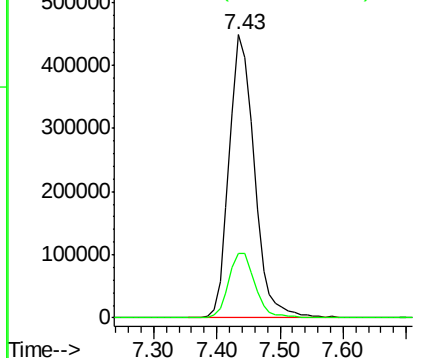


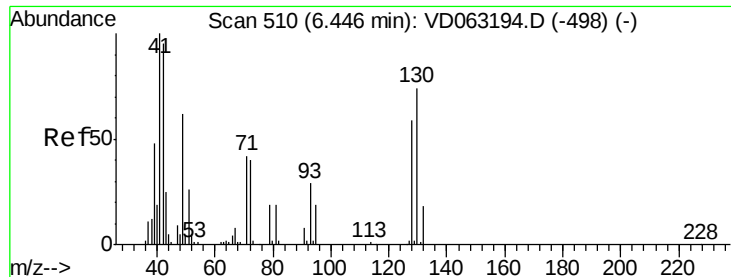
#40
Benzene
Concen: 53.155 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

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



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

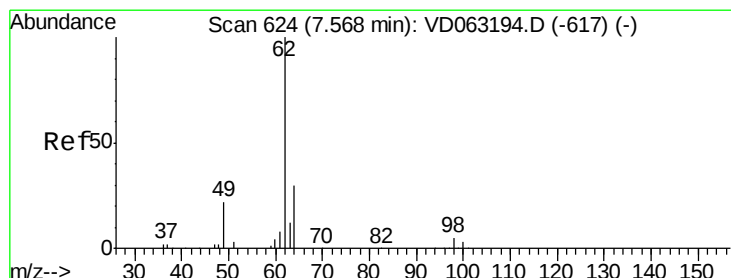
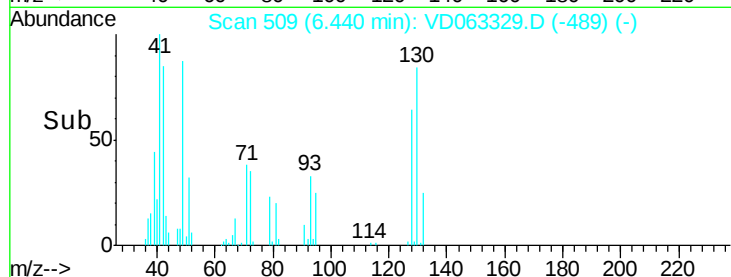
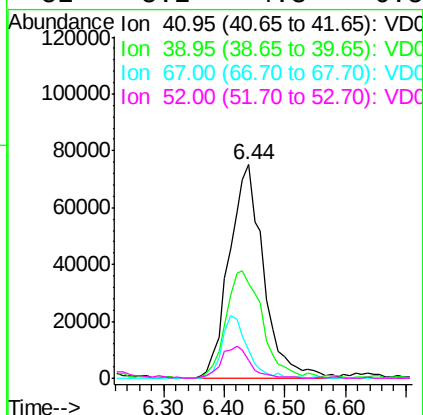
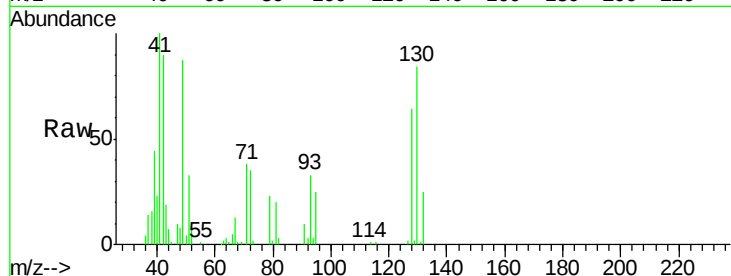




#41
Methacrylonitrile
Concen: 49.318 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

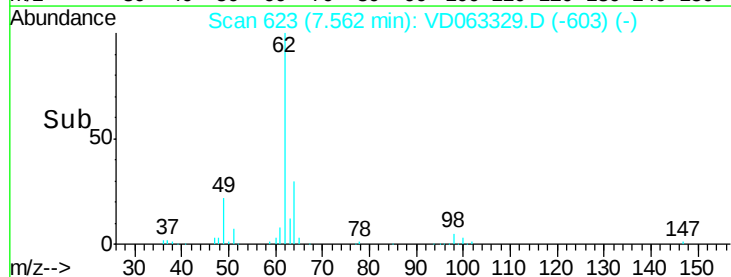
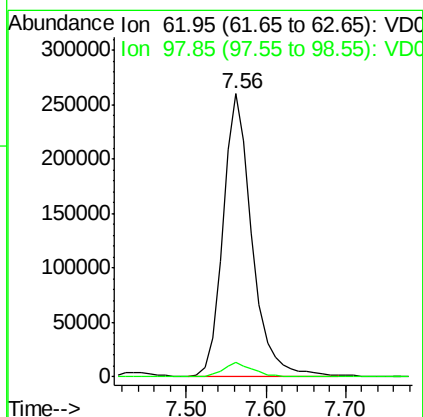
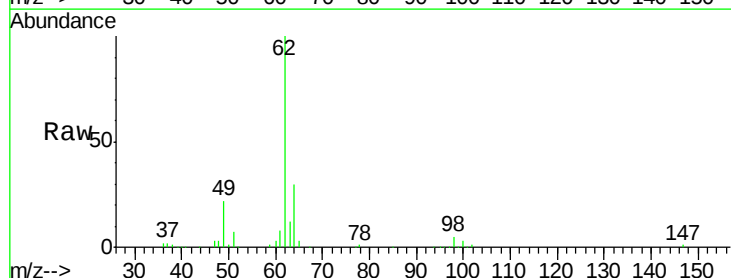
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

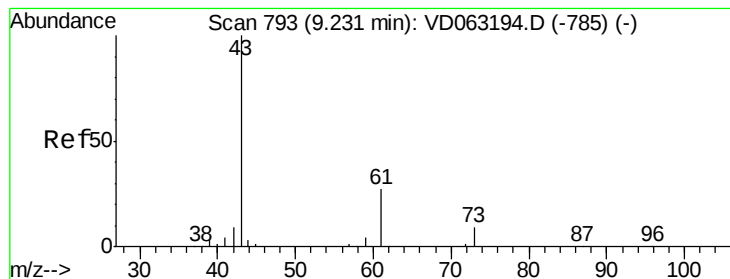
Tot Ion: 41 Resp: 296057
Ion Ratio Lower Upper
41 100
39 44.2 38.4 57.6
67 13.4 6.7 10.1#
52 8.2 4.3 6.5#



#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





#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

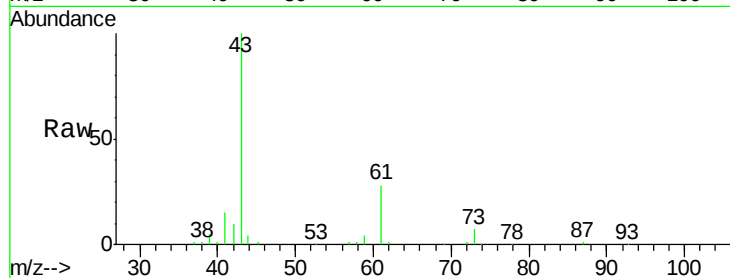
Tot Ion: 43 Resp: 315793

Ion Ratio Lower Upper

43 100

61 27.8 21.4 32.0

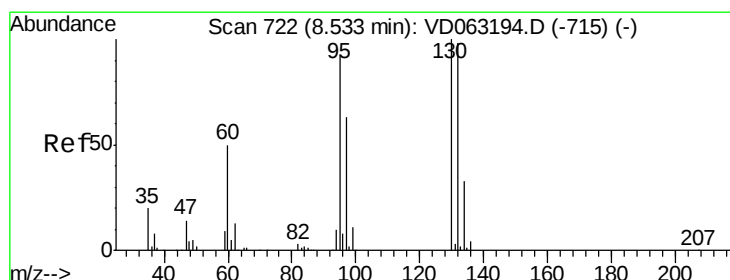
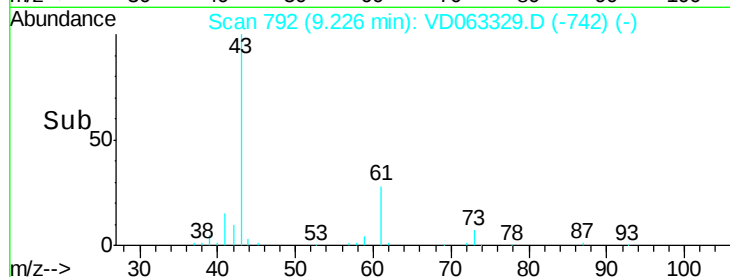
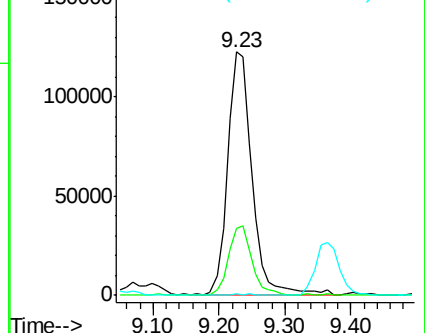
87 0.7 0.2 0.4#



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



#44

Trichloroethene

Concen: 48.211 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063329.D

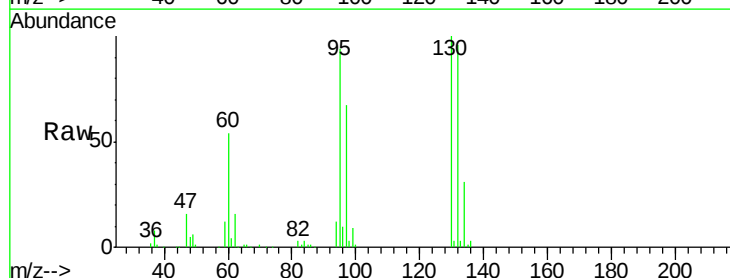
Acq: 2 Aug 2019 20:56

Tgt Ion:130 Resp: 457353

Ion Ratio Lower Upper

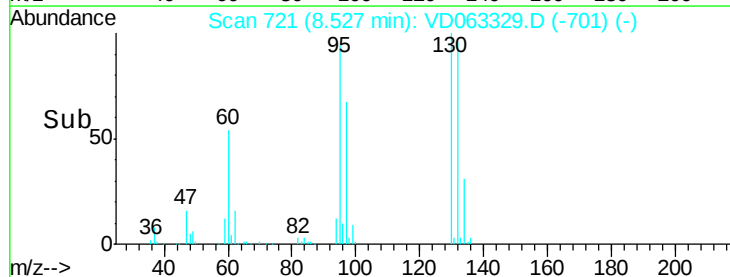
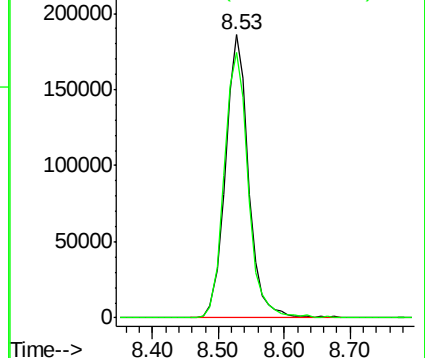
130 100

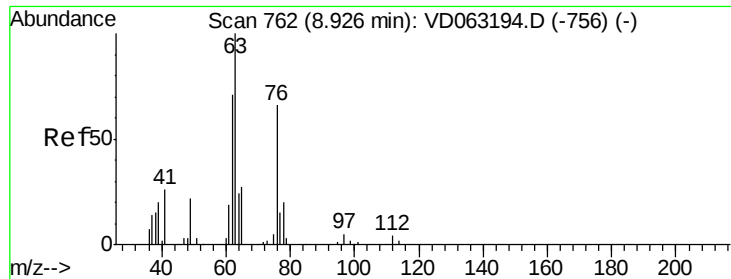
95 93.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#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 :

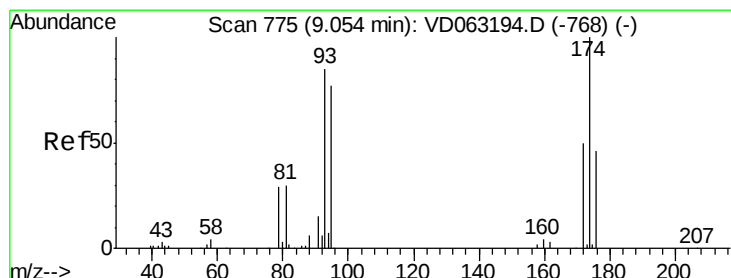
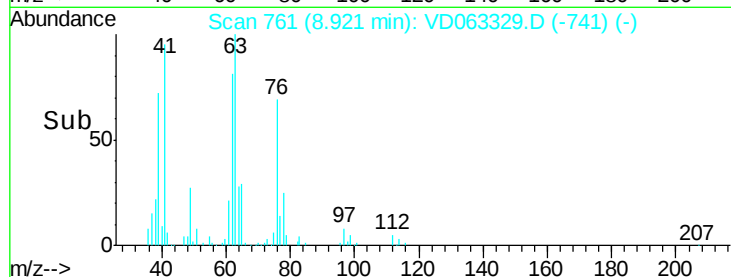
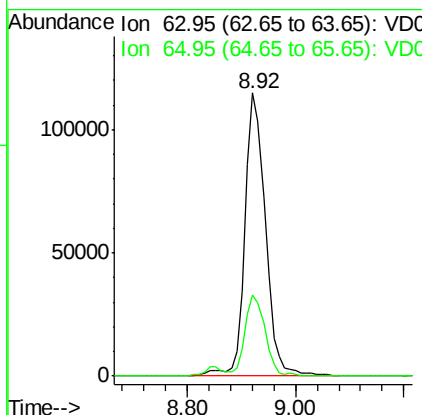
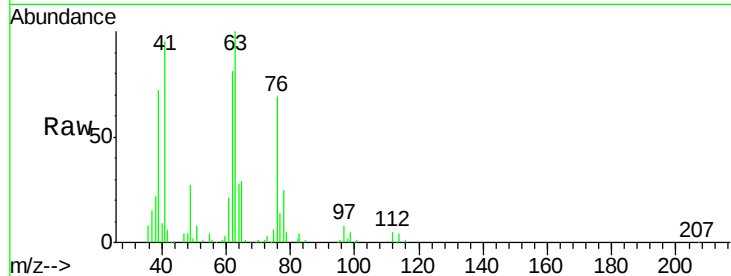
VSTDCCC050EC

Tot Ion: 63 Resp: 303191

Ion Ratio Lower Upper

63 100

65 28.6 23.6 35.4



#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

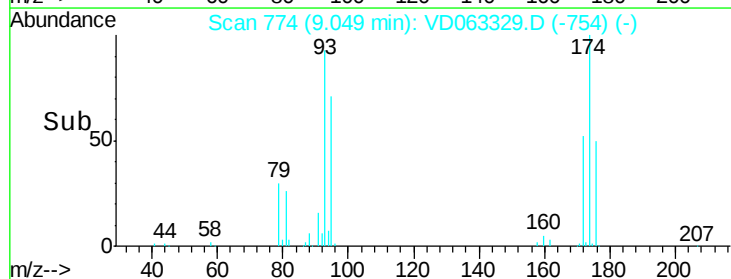
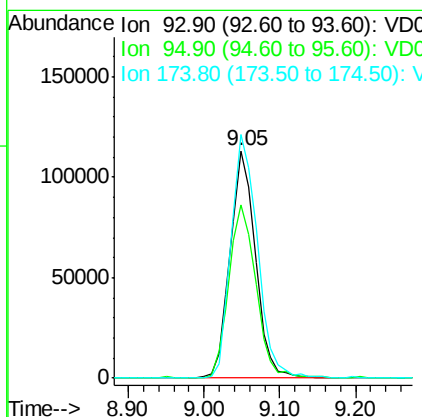
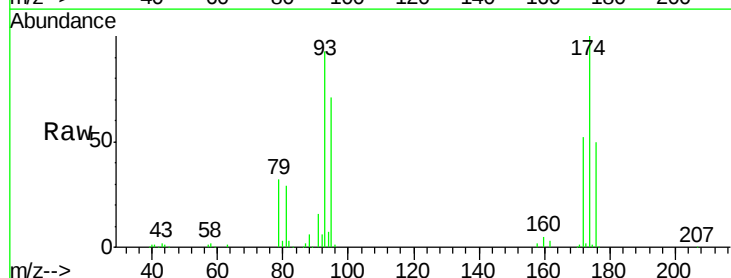
Tgt Ion: 93 Resp: 261589

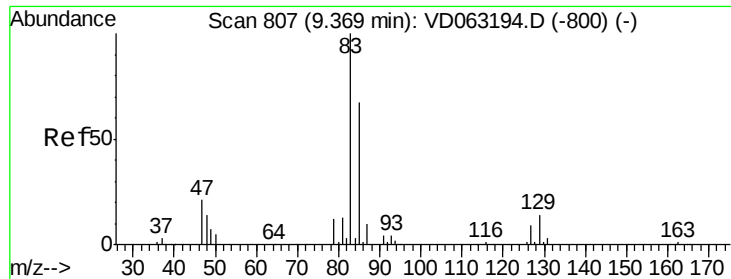
Ion Ratio Lower Upper

93 100

95 76.3 72.8 109.2

174 107.0 94.4 141.6





#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

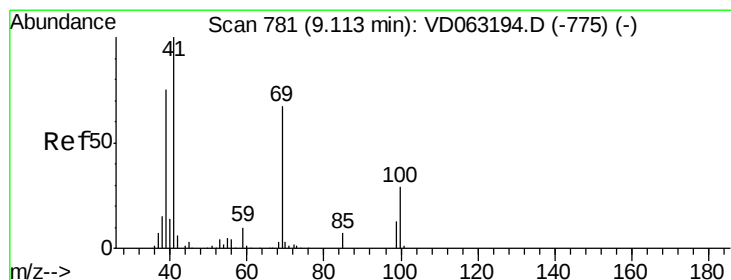
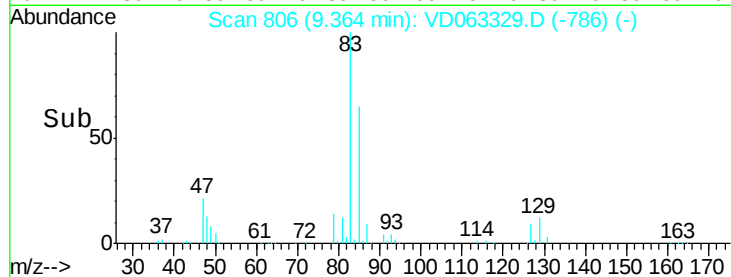
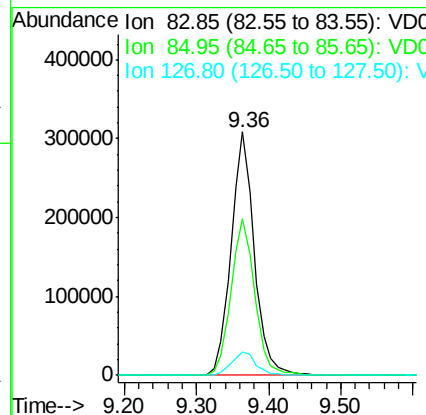
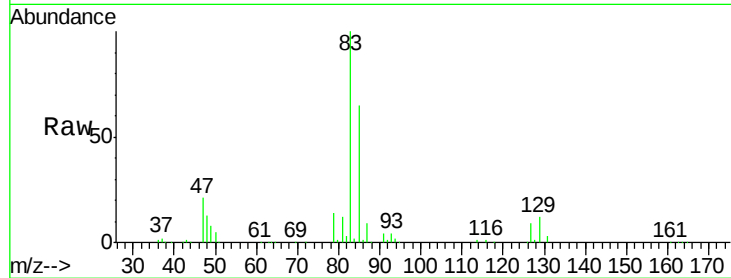
Tot Ion: 83 Resp: 688903

Ion Ratio Lower Upper

83 100

85 64.5 53.6 80.4

127 9.5 7.2 10.8



#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

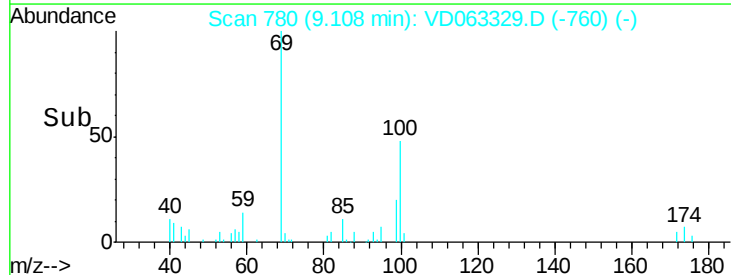
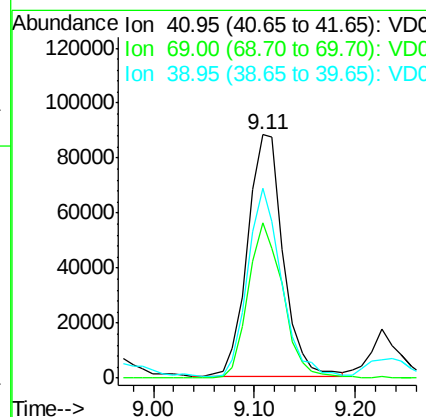
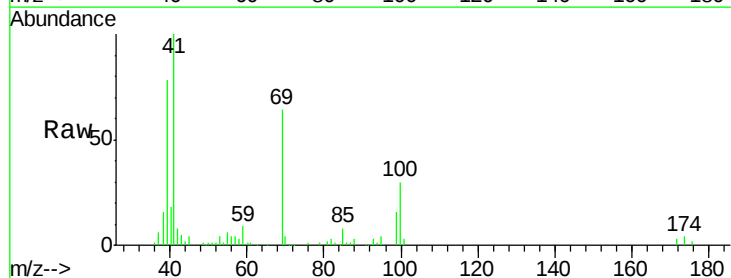
Tgt Ion: 41 Resp: 215128

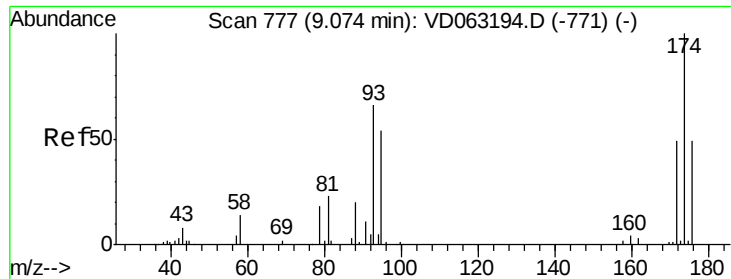
Ion Ratio Lower Upper

41 100

69 63.7 53.4 80.0

39 78.1 60.3 90.5

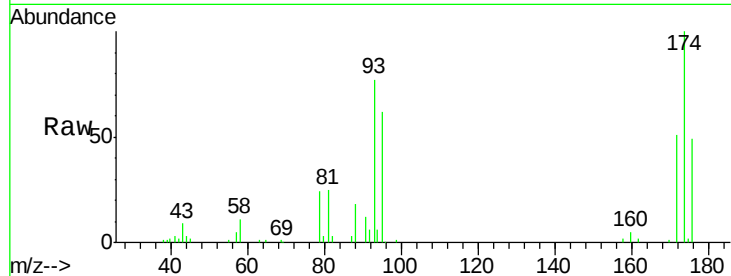




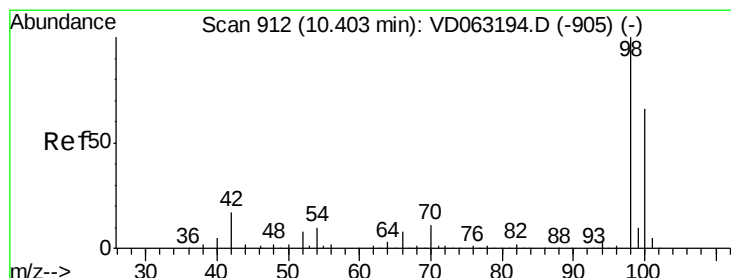
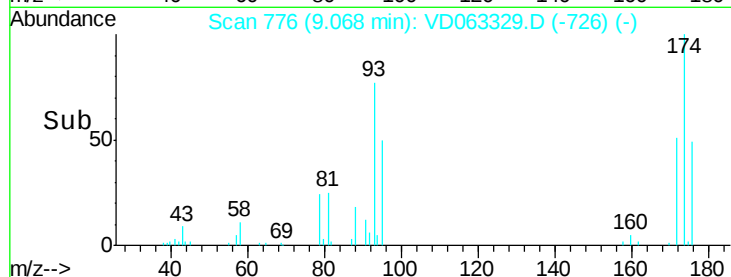
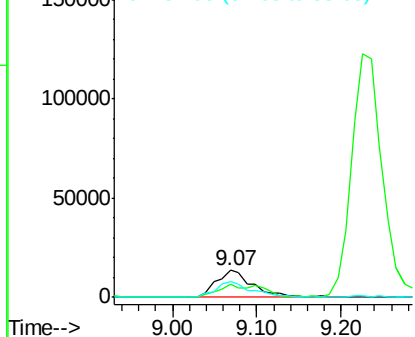
#49
1,4-Dioxane
Concen: 1178.809 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

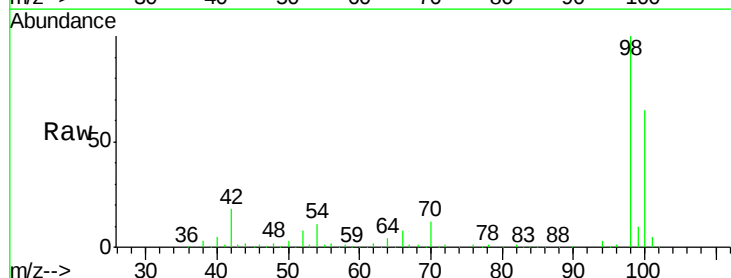


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

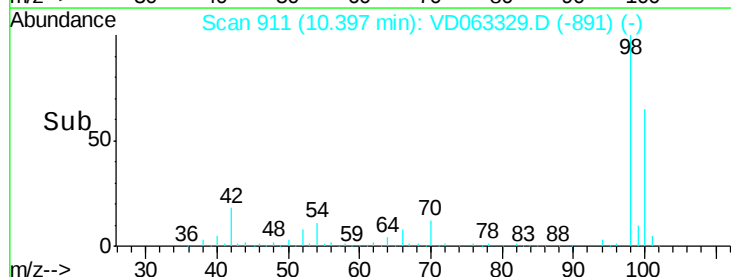
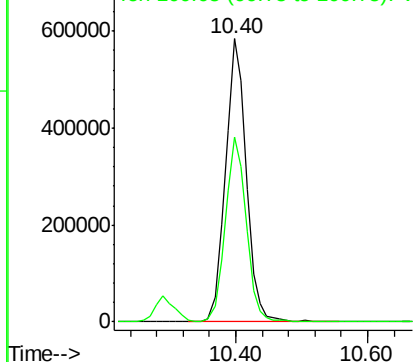


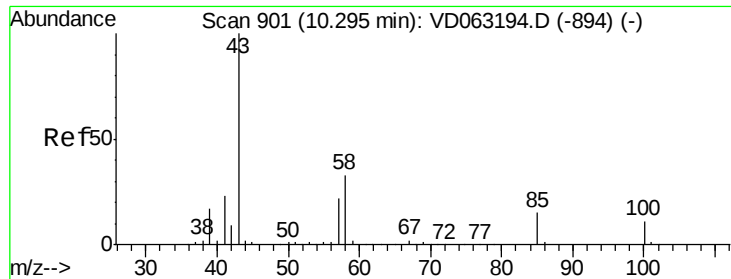
#50
Toluene-d8
Concen: 55.334 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

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 :

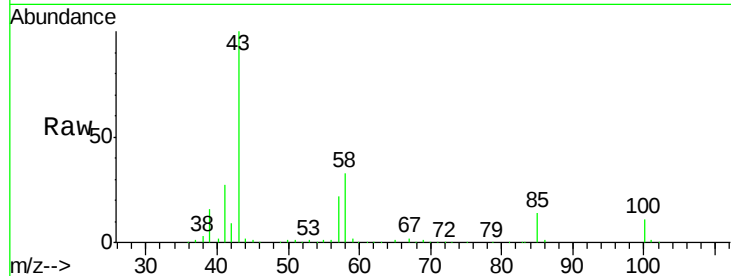
VSTDCCC050EC

Tot Ion: 43 Resp: 1125436

Ion Ratio Lower Upper

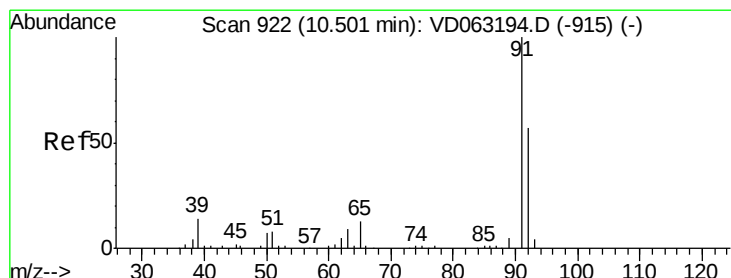
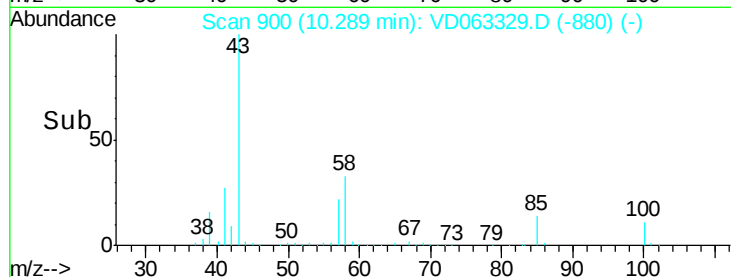
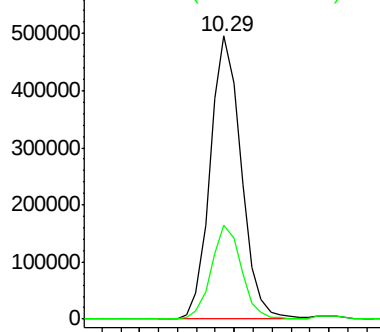
43 100

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



#52

Toluene

Concen: 52.018 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063329.D

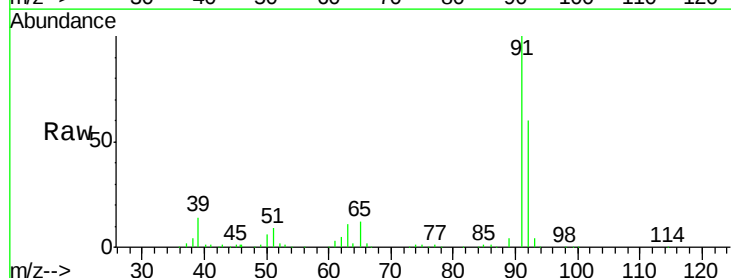
Acq: 2 Aug 2019 20:56

Tgt Ion: 92 Resp: 809961

Ion Ratio Lower Upper

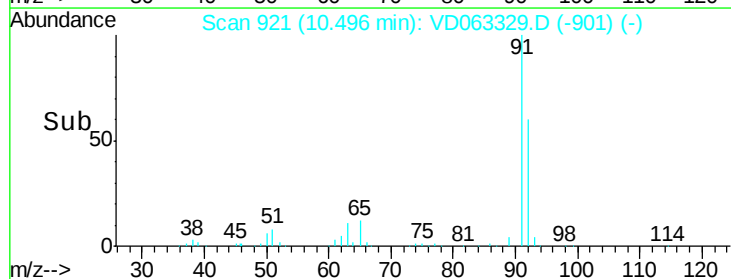
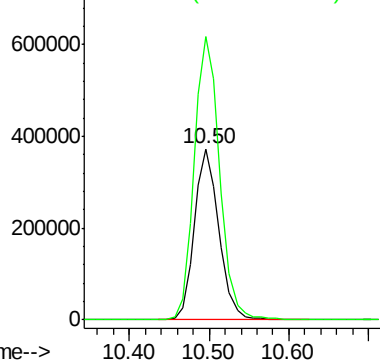
92 100

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





#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 :

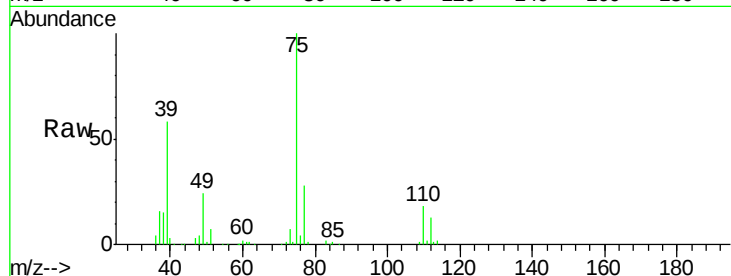
VSTDCCC050EC

Tot Ion: 75 Resp: 577180

Ion Ratio Lower Upper

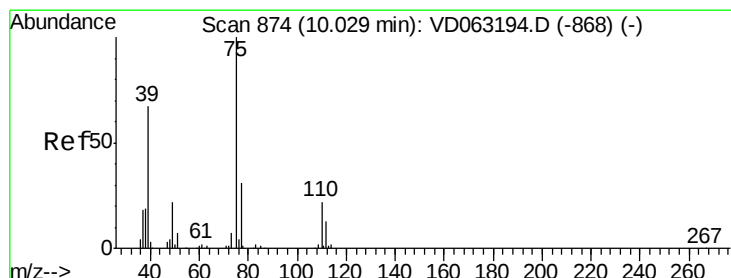
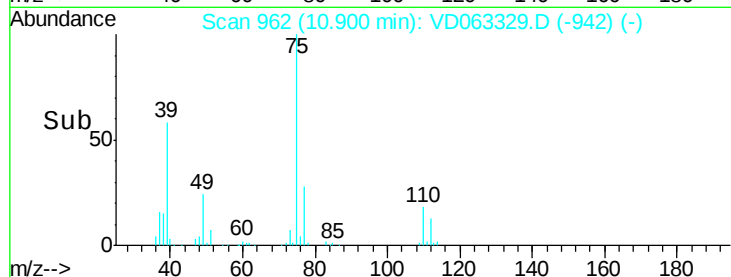
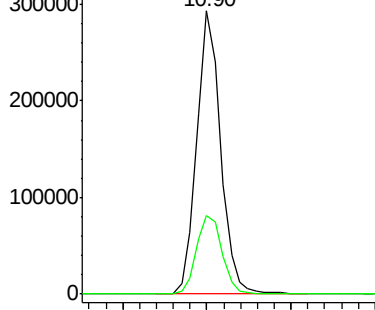
75 100

77 27.9 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 54.084 ug/l

RT: 10.02 min Scan# 873

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

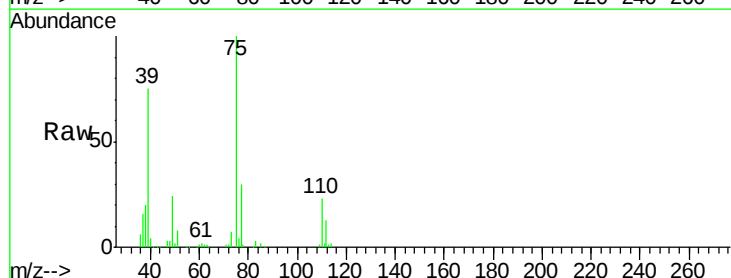
Tgt Ion: 75 Resp: 618054

Ion Ratio Lower Upper

75 100

77 29.7 24.9 37.3

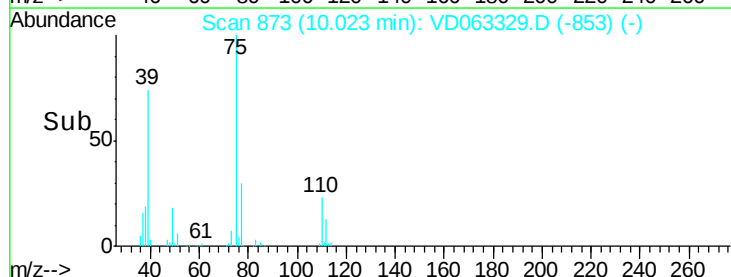
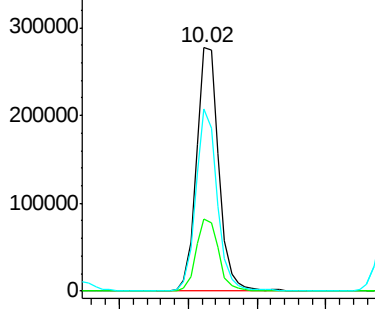
39 75.0 53.9 80.9

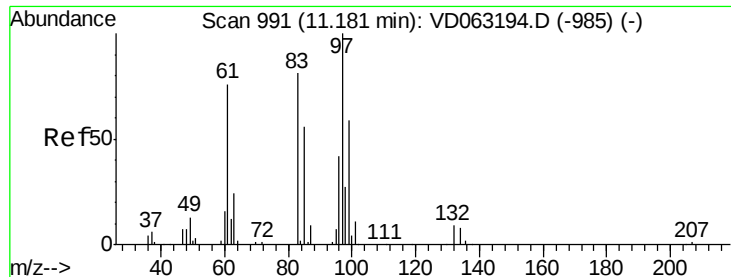


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 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

Tot Ion: 97 Resp: 297527

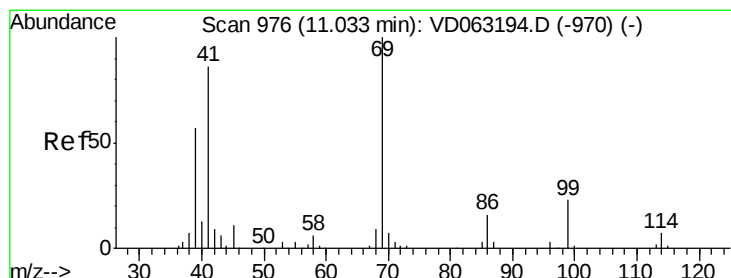
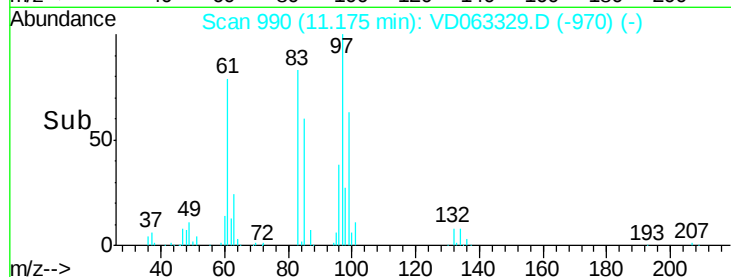
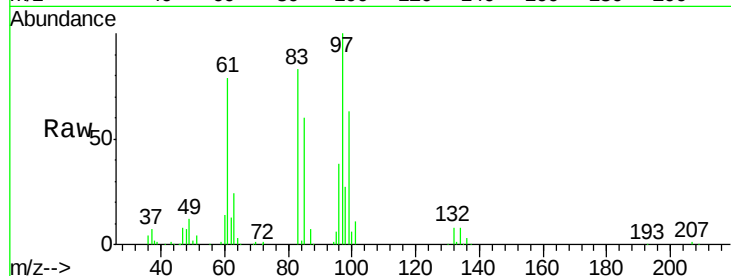
Ion	Ratio	Lower	Upper
97	100		
83	83.0	64.8	97.2
85	59.8	44.9	67.3
99	62.5	47.2	70.8

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

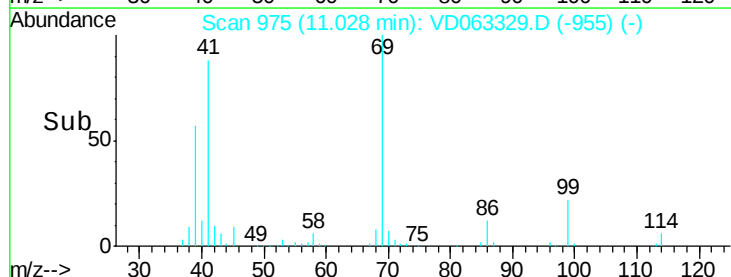
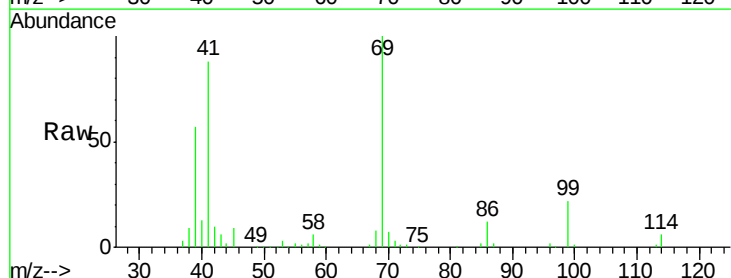
Tgt Ion: 69 Resp: 297914

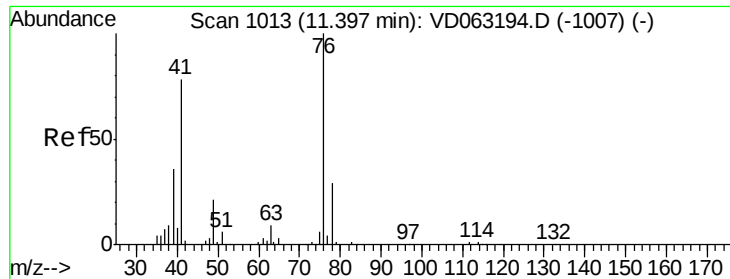
Ion	Ratio	Lower	Upper
69	100		
41	87.9	68.8	103.2
39	56.8	45.8	68.8

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 :

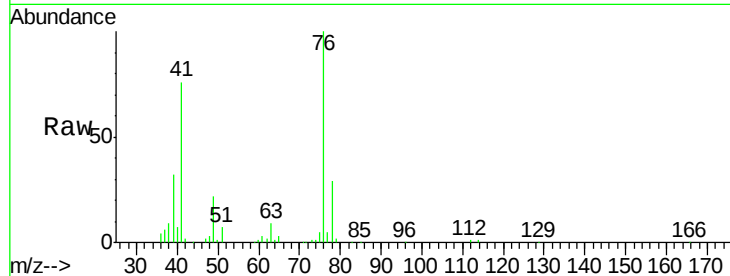
VSTDCCC050EC

Tot 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

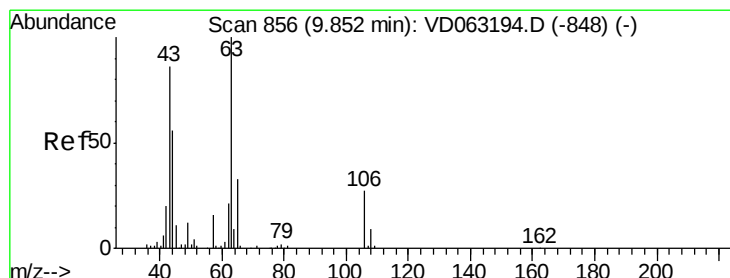
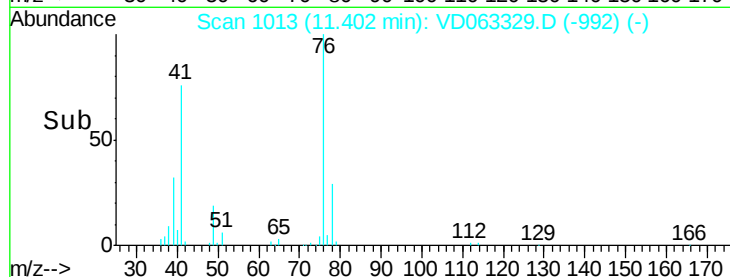
100000

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

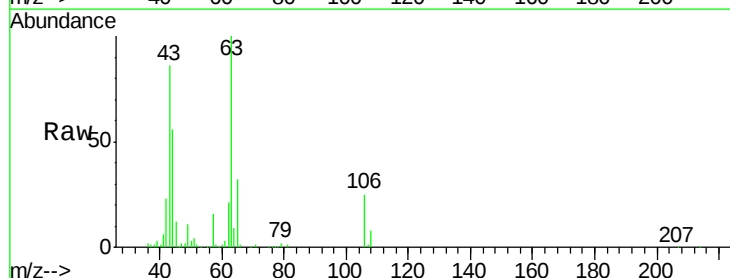
Acq: 2 Aug 2019 20:56

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

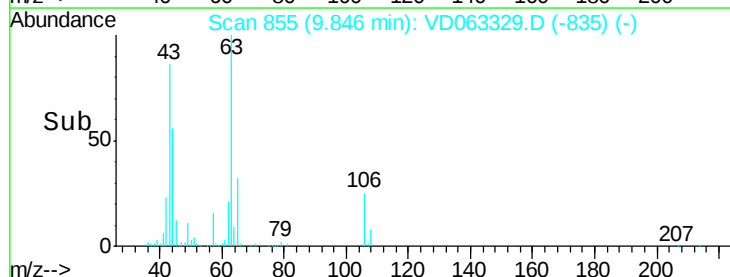
200000

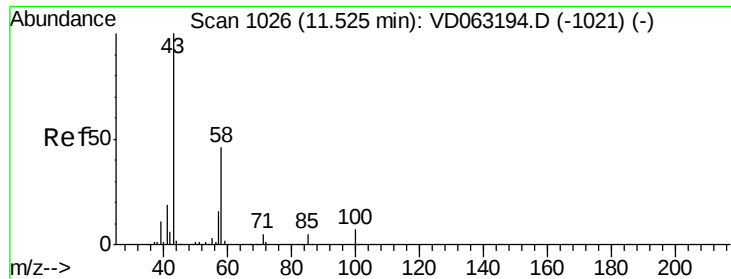
100000

0

9.70 9.80 9.90 10.00

Time-->

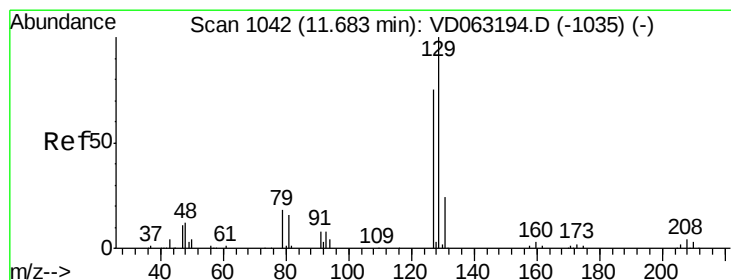
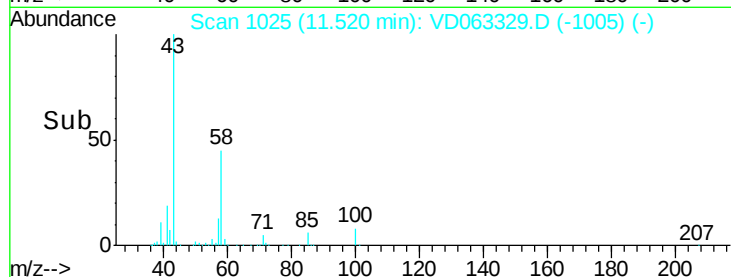
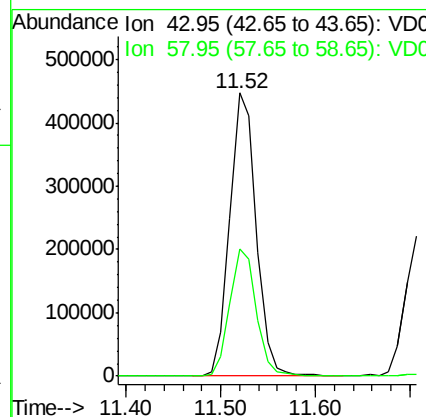
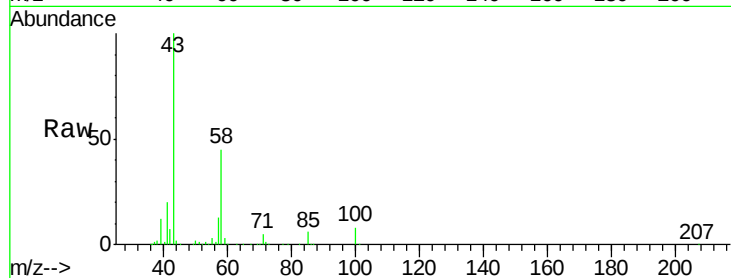




#59
2-Hexanone
Concen: 275.568 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

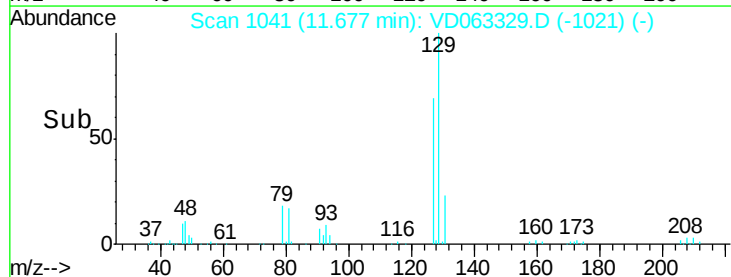
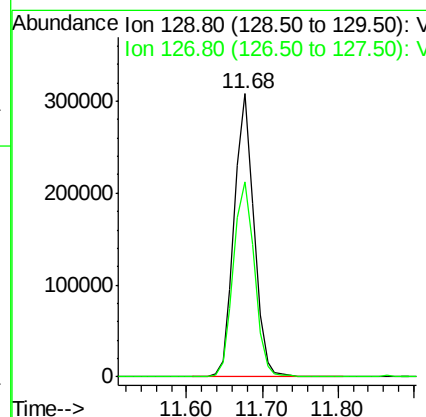
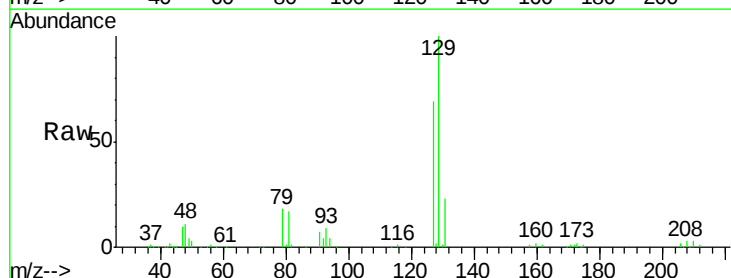
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

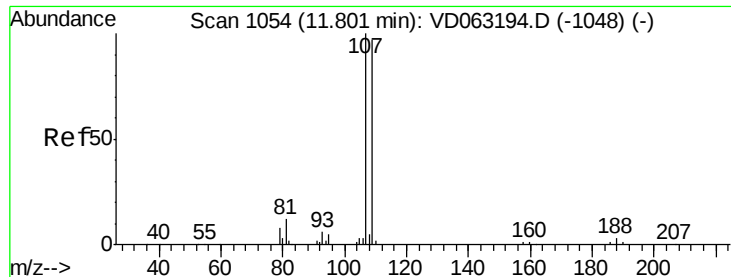
Tot Ion: 43 Resp: 865764
Ion Ratio Lower Upper
43 100
58 45.1 22.9 68.5



#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 :

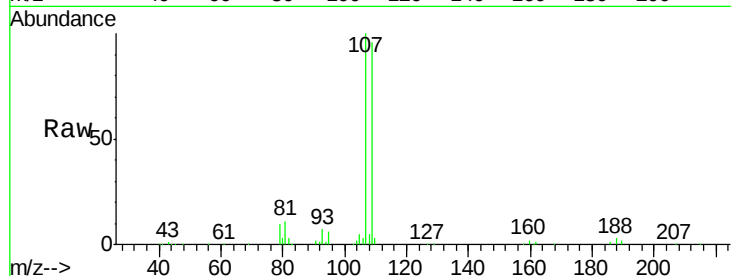
VSTDCCC050EC

Tot Ion:107 Resp: 353535

Ion Ratio Lower Upper

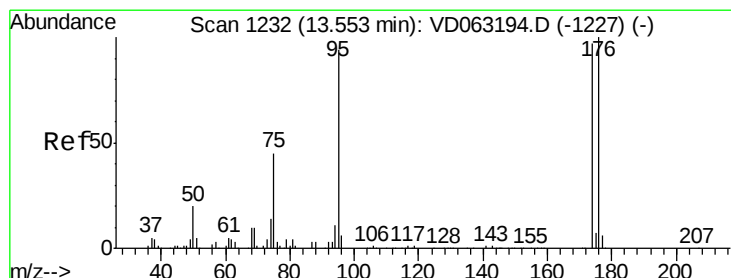
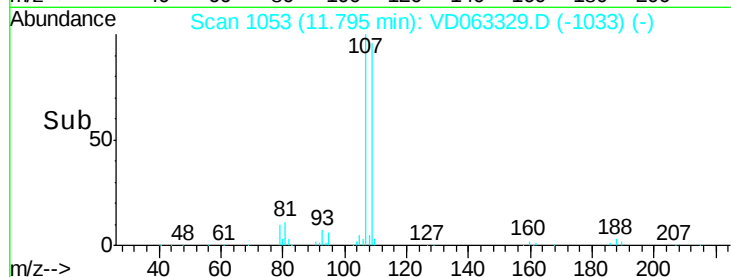
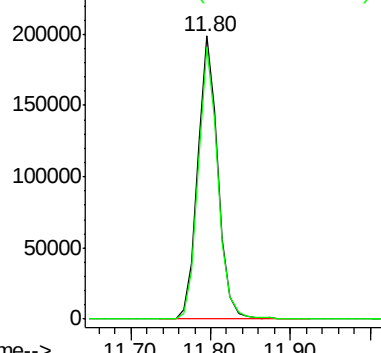
107 100

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

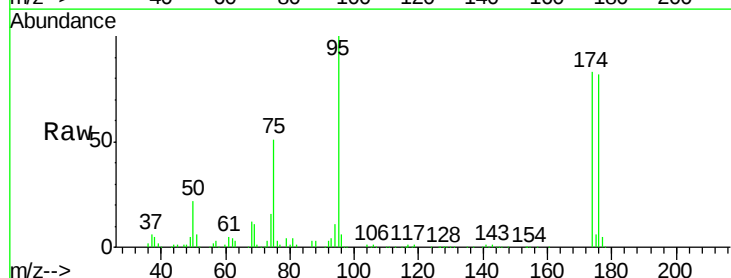
Tgt Ion: 95 Resp: 582267

Ion Ratio Lower Upper

95 100

174 83.2 0.0 205.4

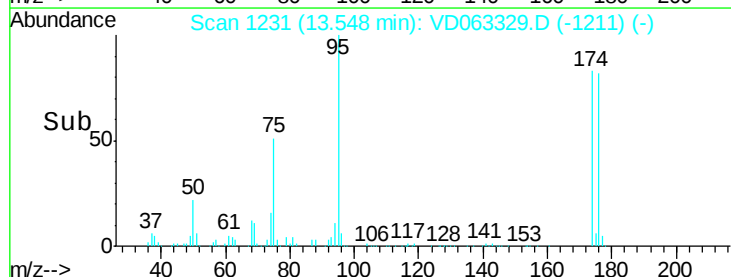
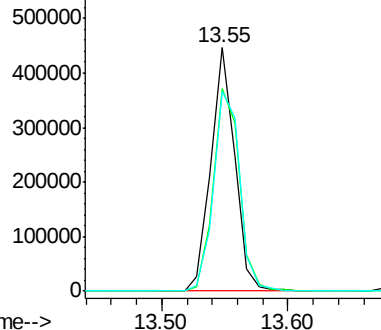
176 82.1 0.0 211.8

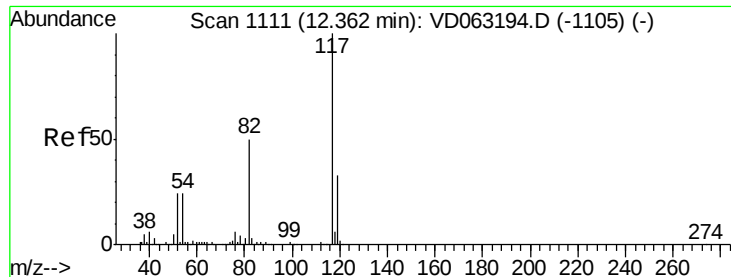


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

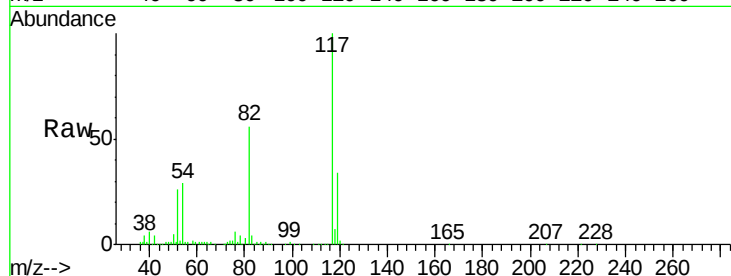




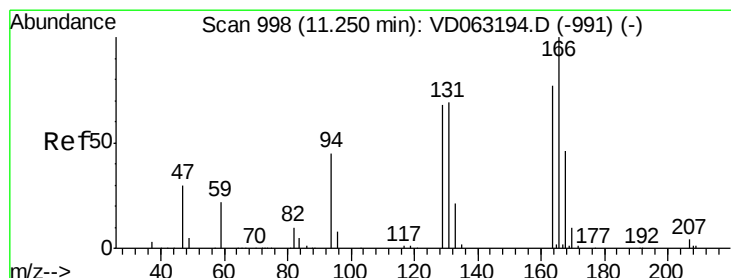
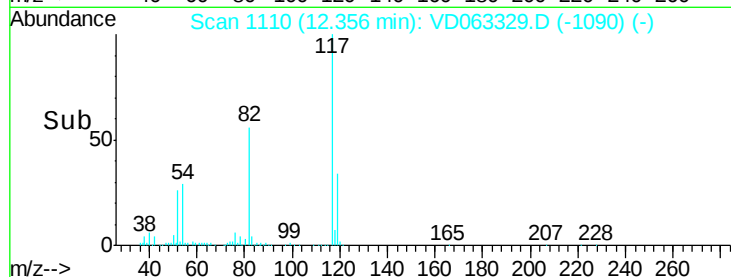
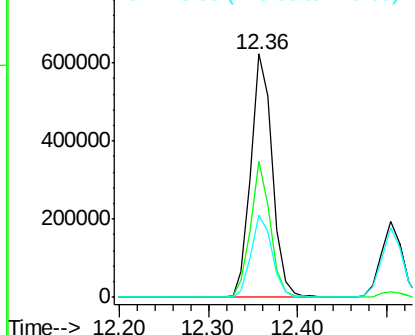
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

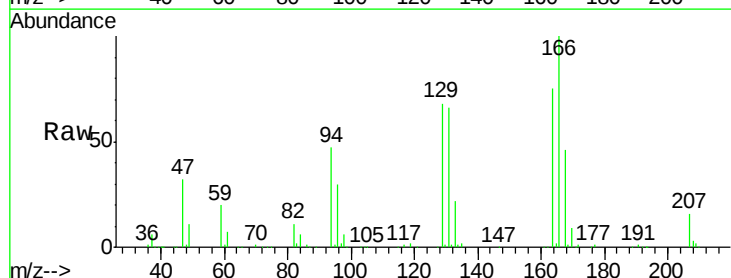


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

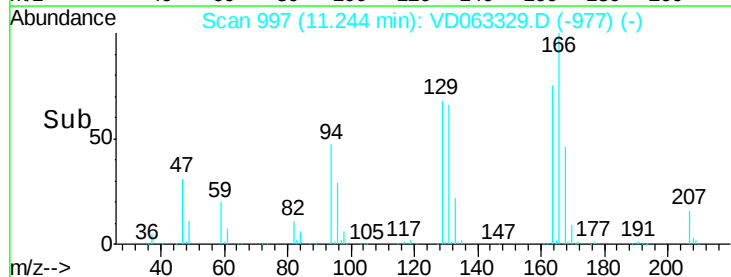
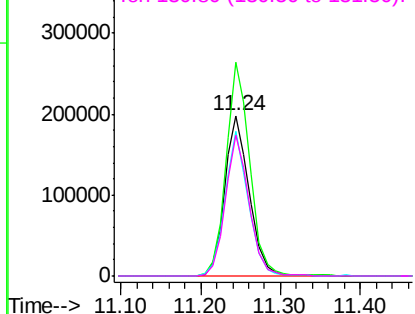


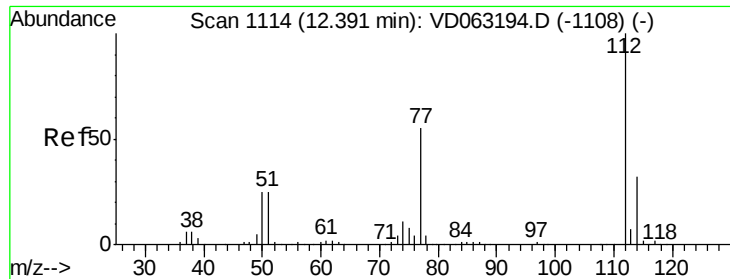
#64
Tetrachloroethene
Concen: 51.994 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

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

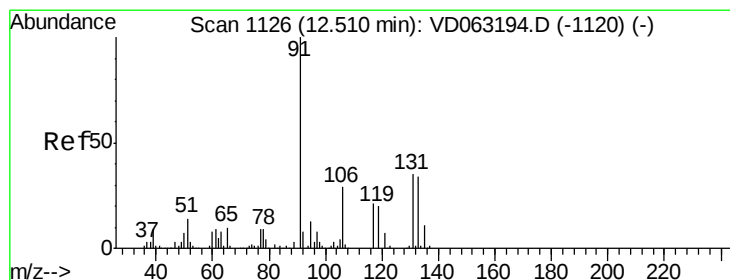
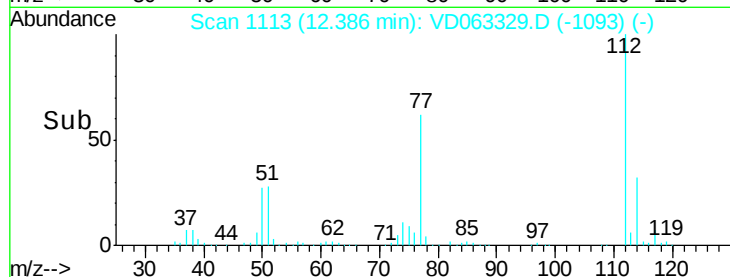
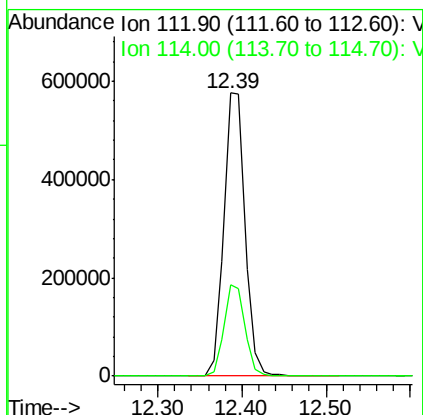
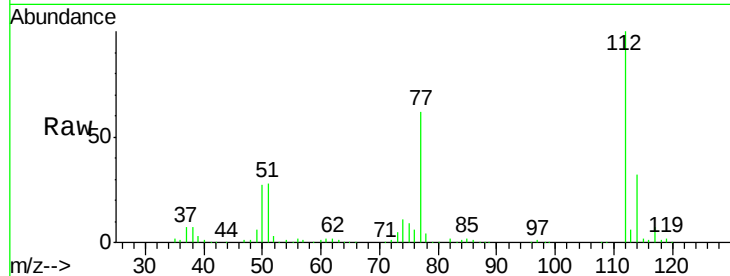




#65
Chlorobenzene
Concen: 50.886 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

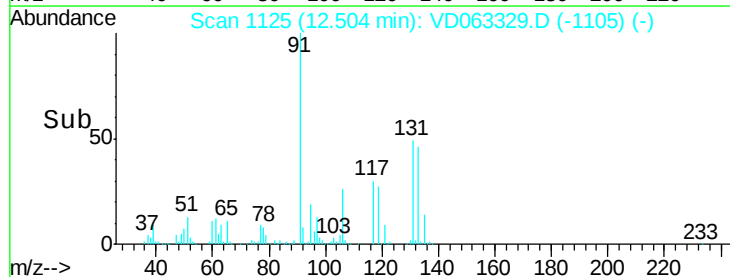
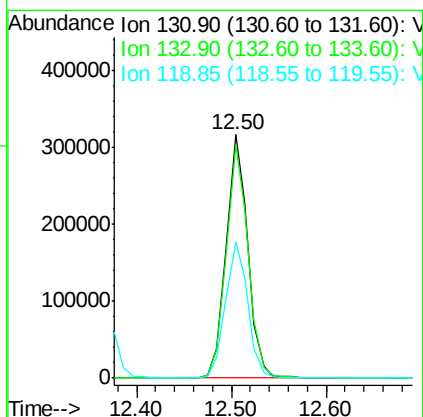
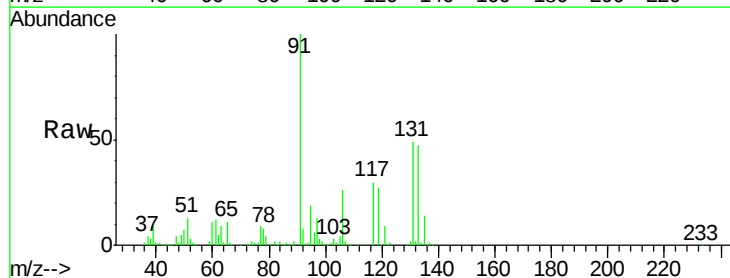
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

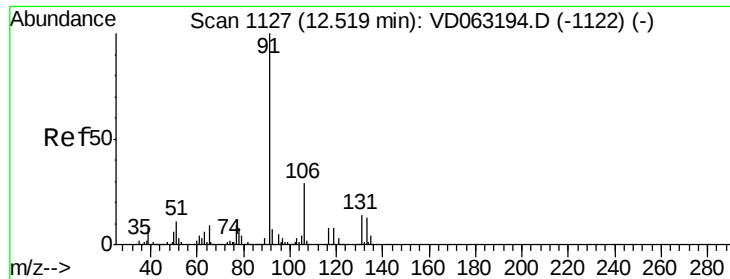
Tot Ion:112 Resp: 1008719
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#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

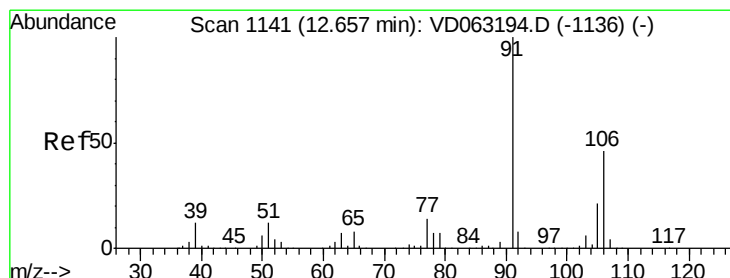
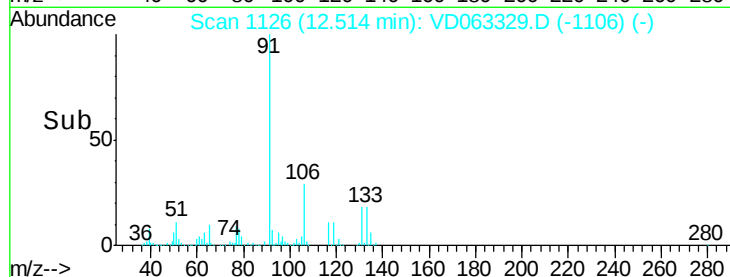
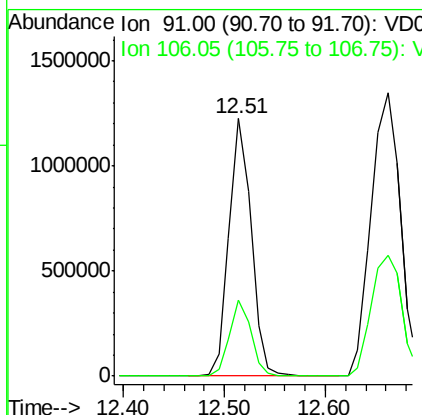
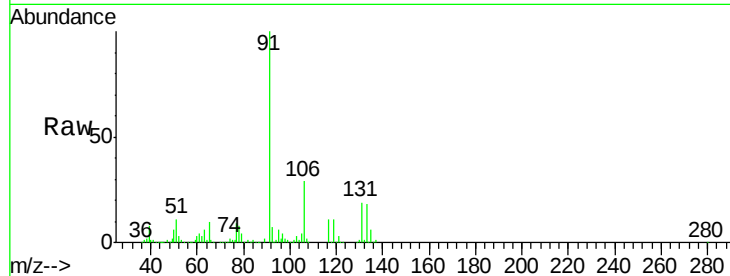




#67
Ethyl Benzene
Concen: 55.889 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

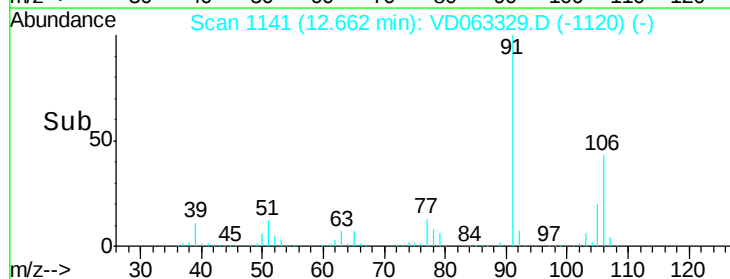
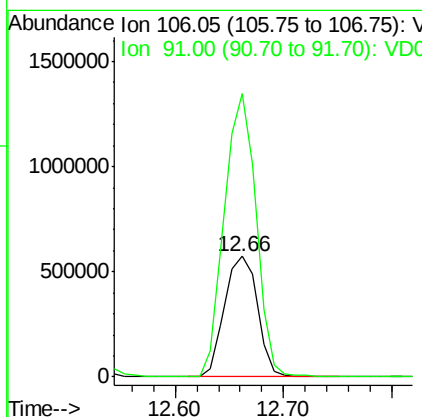
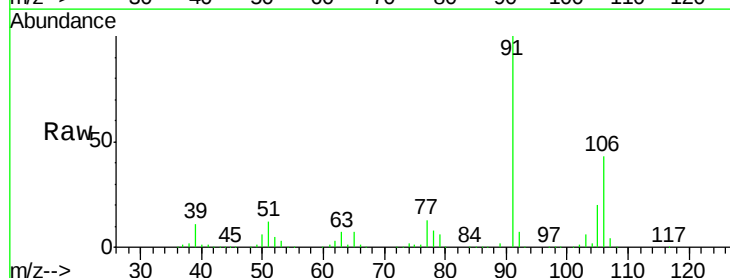
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

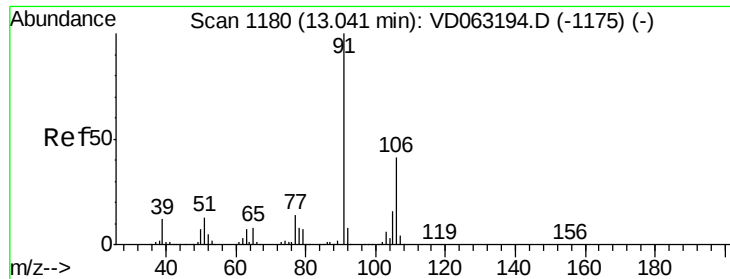
Tot Ion: 91 Resp: 1882086
Ion Ratio Lower Upper
91 100
106 29.4 22.9 34.3



#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

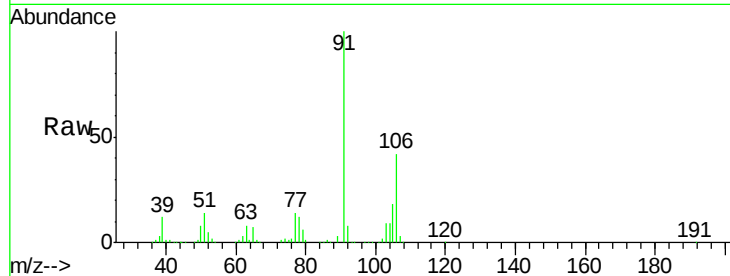




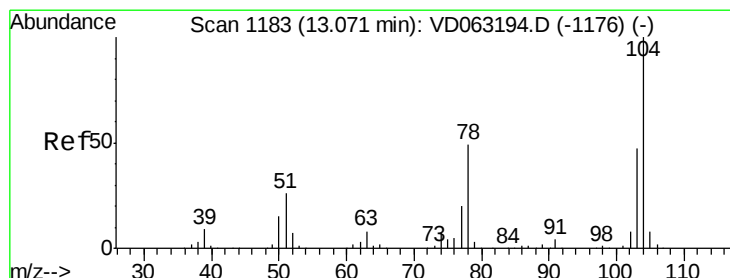
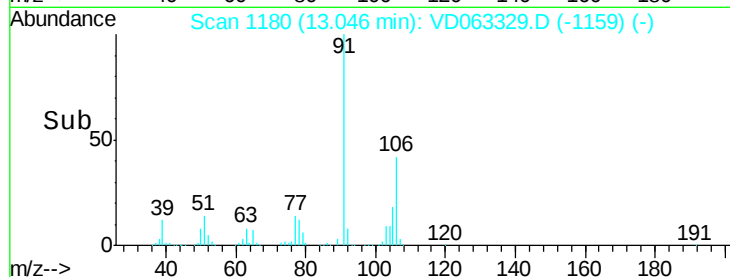
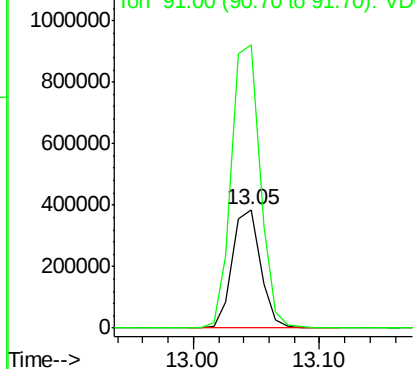
#69
o-Xylene
Concen: 52.923 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

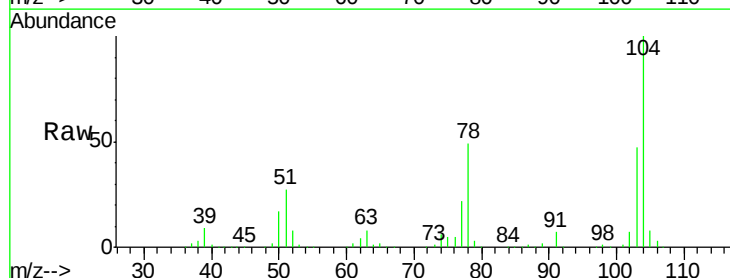


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

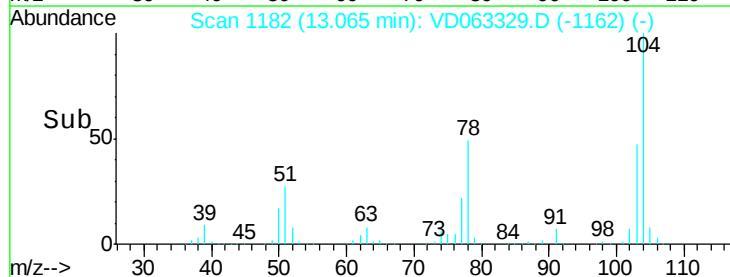
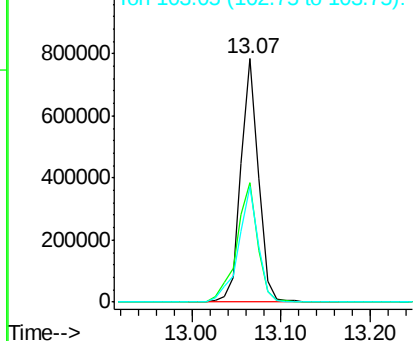


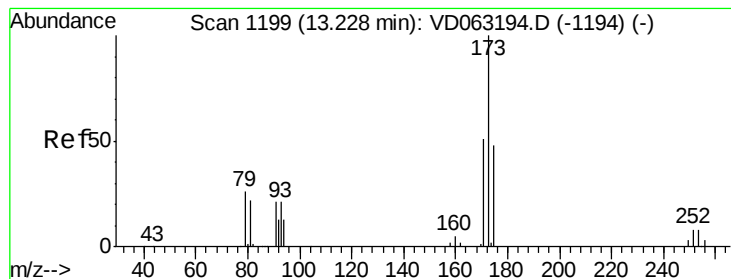
#70
Styrene
Concen: 53.596 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

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



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





#71

Bromoform

Concen: 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

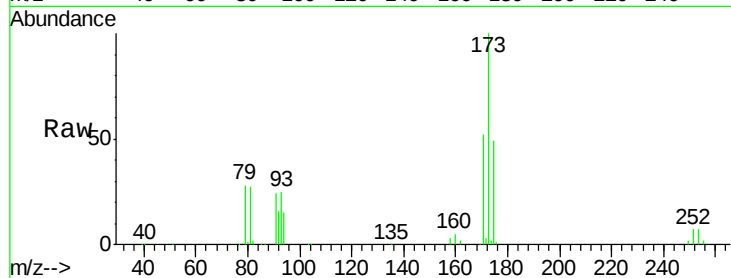
Tot Ion:173 Resp: 352867

Ion Ratio Lower Upper

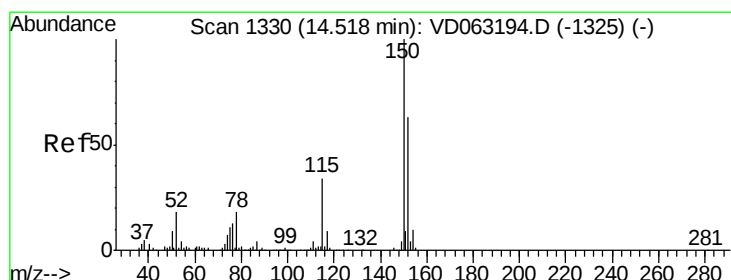
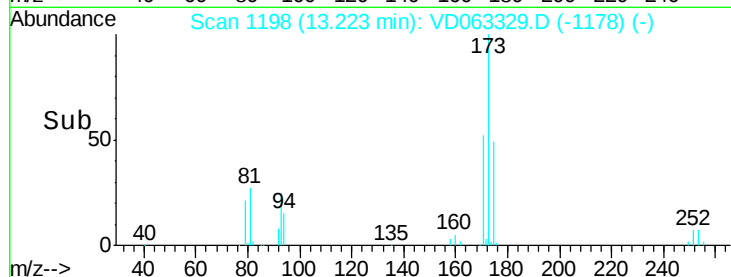
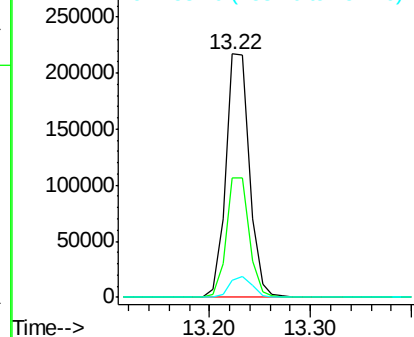
173 100

175 49.0 23.8 71.5

254 7.1 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063329.D

Acq: 2 Aug 2019 20:56

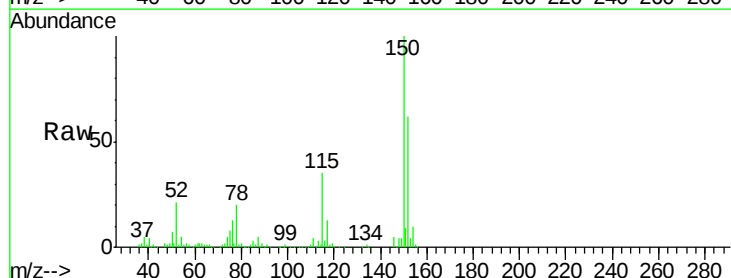
Tgt Ion:152 Resp: 600111

Ion Ratio Lower Upper

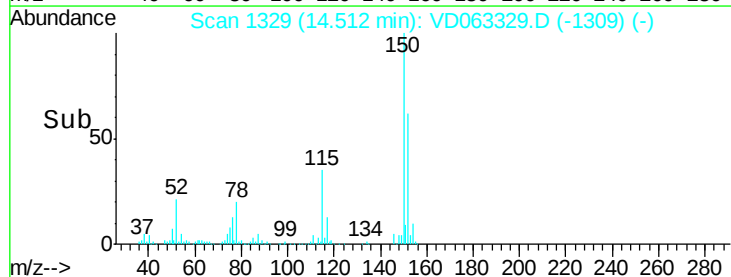
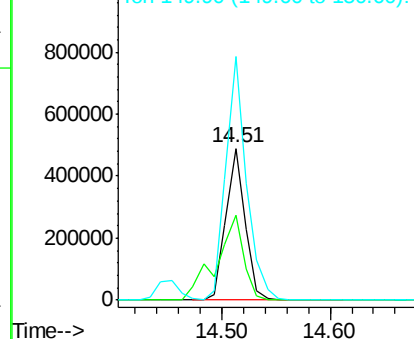
152 100

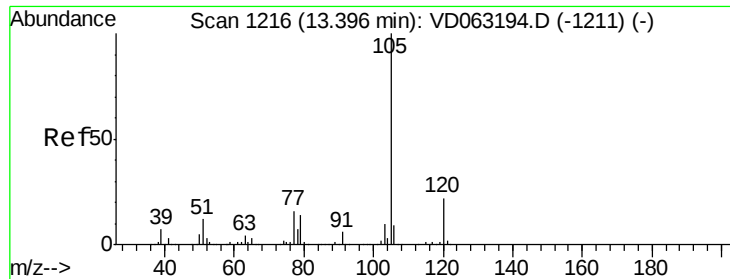
115 55.9 27.5 82.4

150 160.7 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.757 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 :

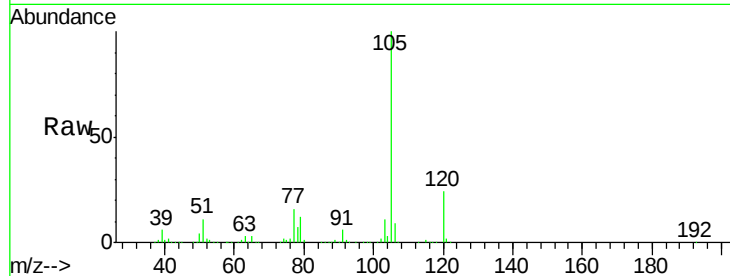
VSTDCCC050EC

Tot 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

13.40

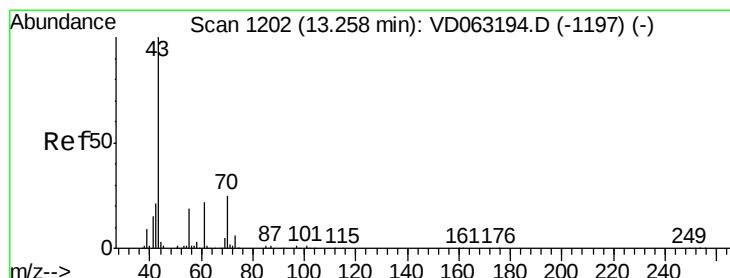
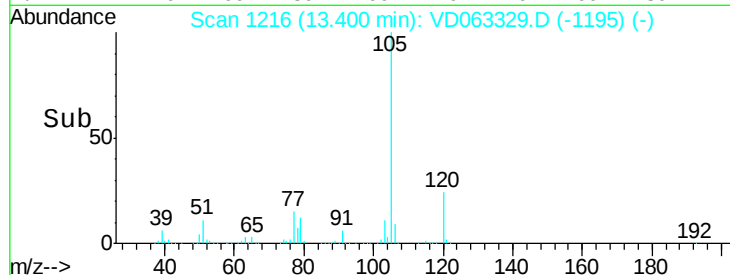
1000000

500000

0

Time-->

13.30 13.40 13.50



#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

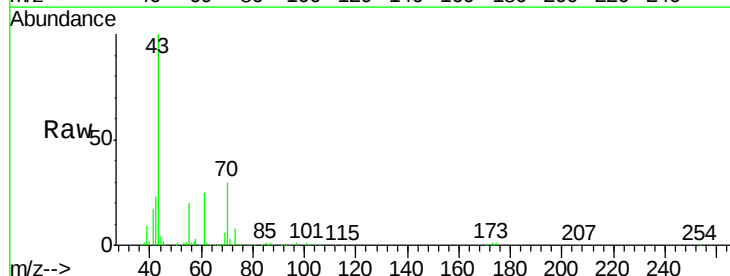
Ion Ratio Lower Upper

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): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

300000

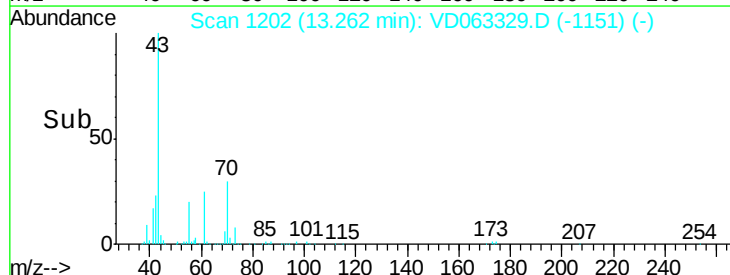
200000

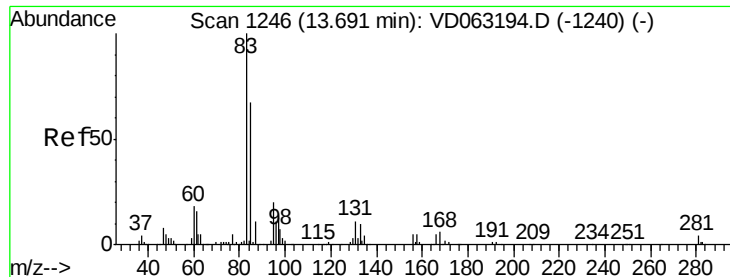
100000

0

Time-->

13.20 13.25 13.30 13.35





#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

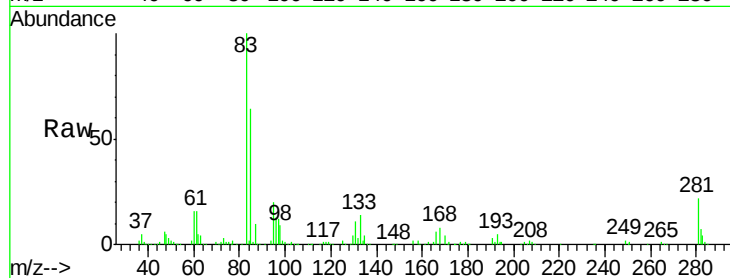
Tot Ion: 83 Resp: 333565

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.7
85	64.2	33.7	101.1

83 100

131 11.0 5.5 16.7

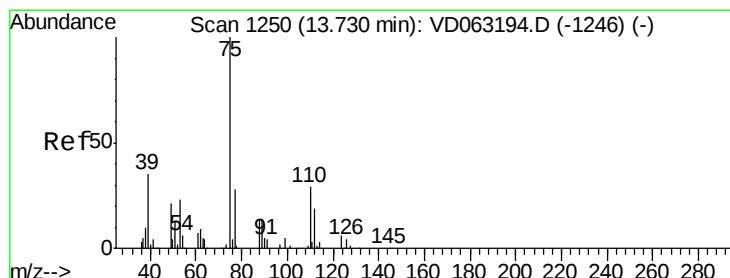
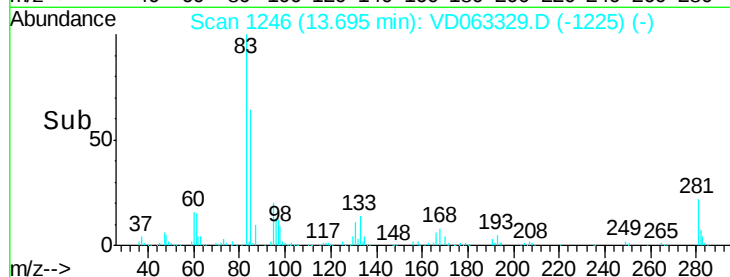
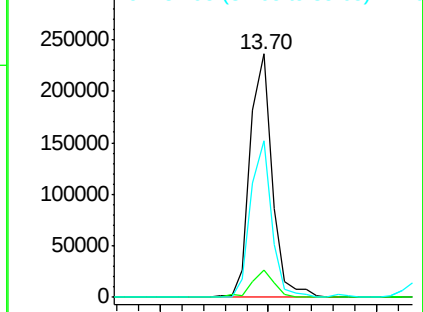
85 64.2 33.7 101.1



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

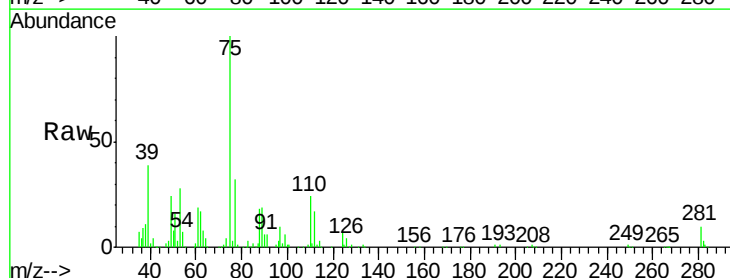
Acq: 2 Aug 2019 20:56

Tgt Ion: 75 Resp: 356805

Ion	Ratio	Lower	Upper
75	100		
77	32.4	16.0	48.0

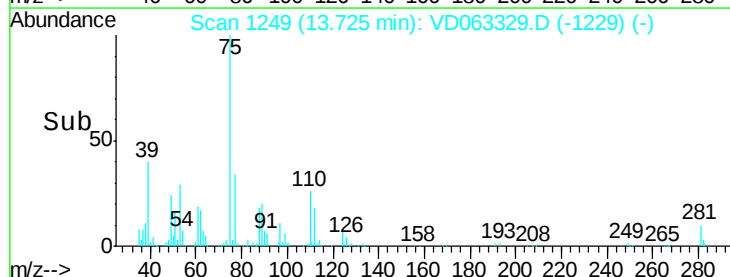
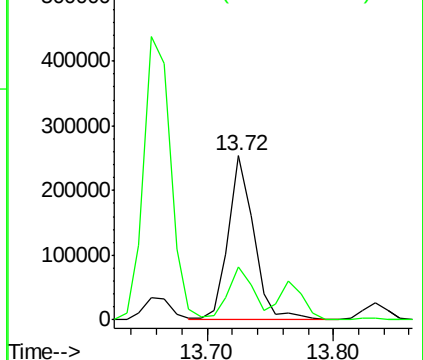
75 100

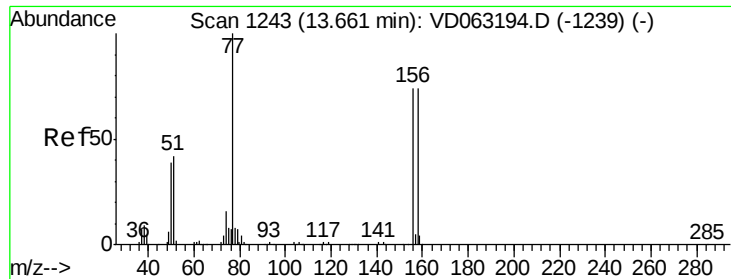
77 32.4 16.0 48.0



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

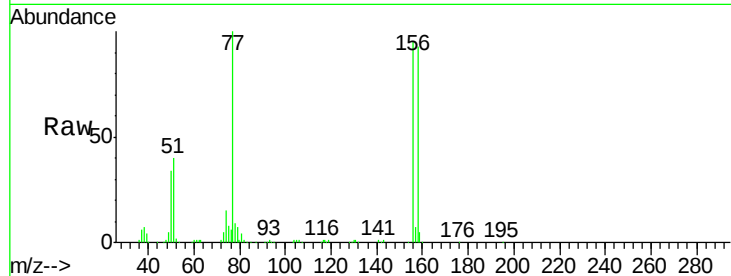
Tot Ion:156 Resp: 516935

Ion Ratio Lower Upper

156 100

77 105.2 67.6 202.8

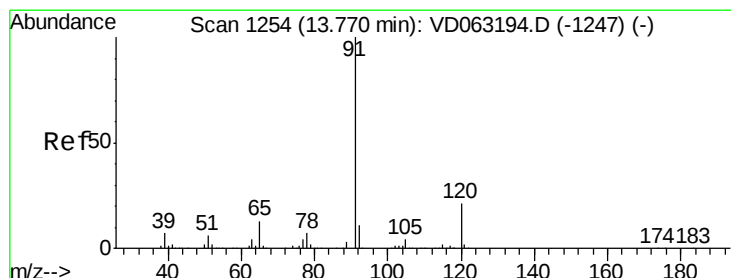
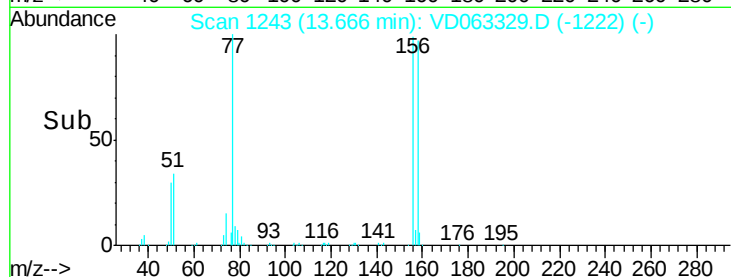
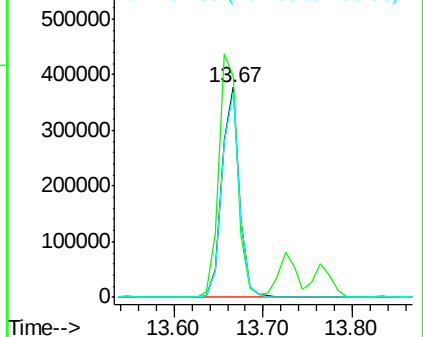
158 98.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.772 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD063329.D

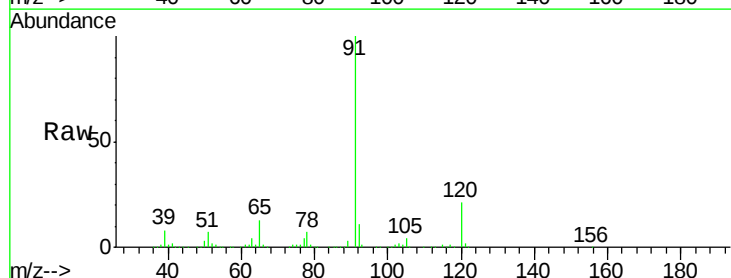
Acq: 2 Aug 2019 20:56

Tgt Ion: 91 Resp: 2141248

Ion Ratio Lower Upper

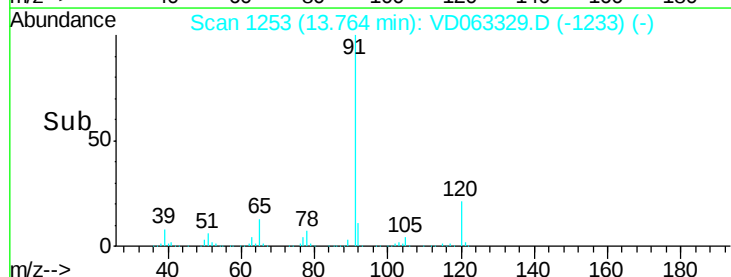
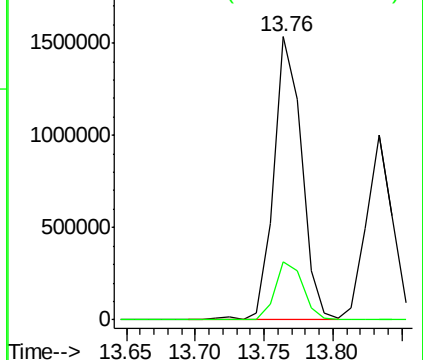
91 100

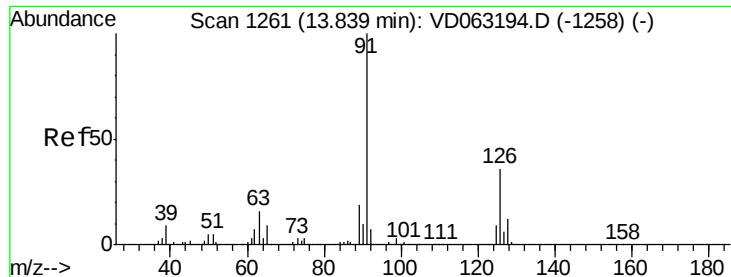
120 20.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

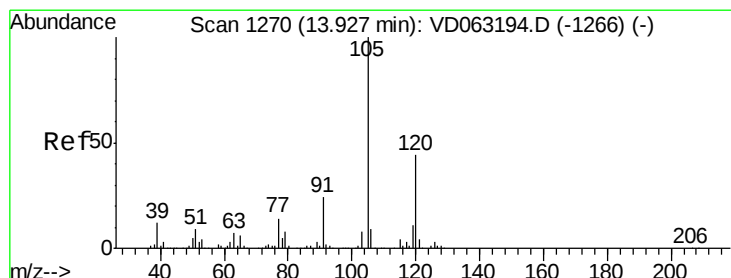
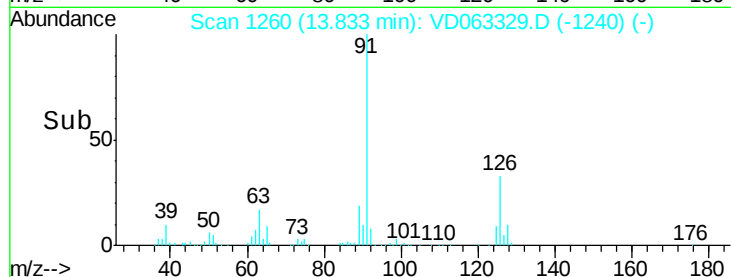
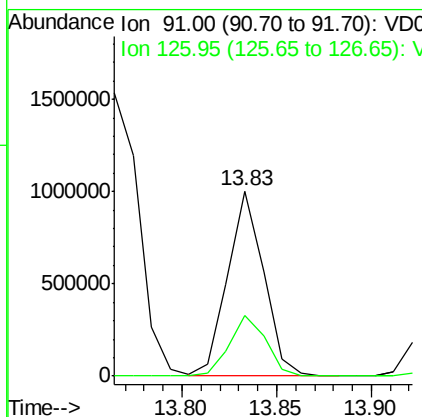
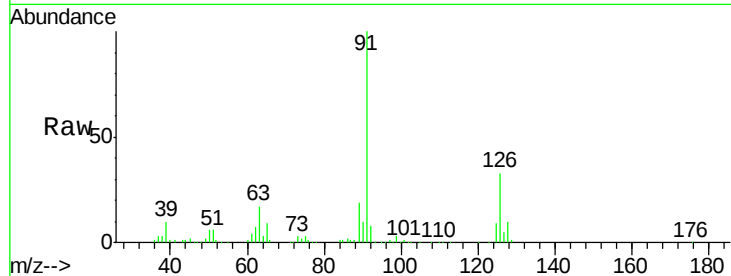




#79
 2-Chlorotoluene
 Concen: 50.963 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

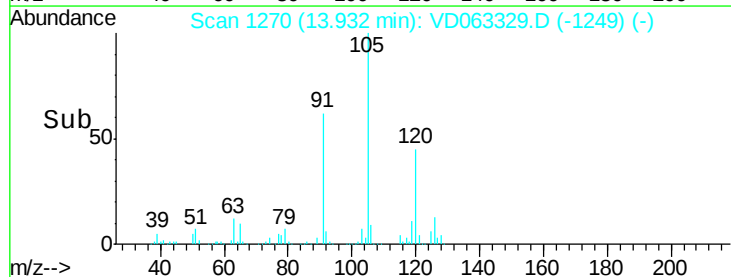
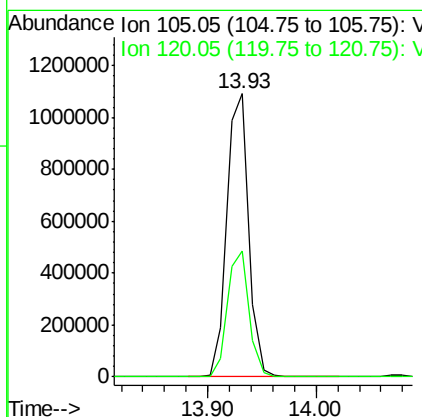
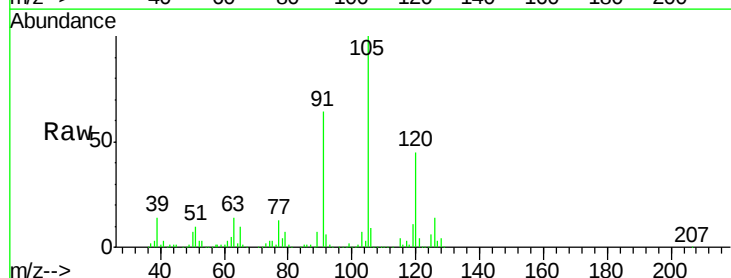
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

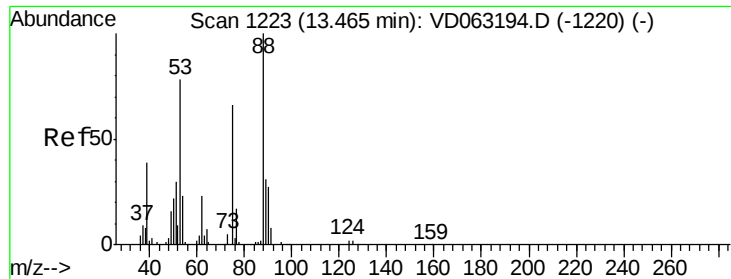
Tot Ion: 91 Resp: 1323581
 Ion Ratio Lower Upper
 91 100
 126 32.6 17.8 53.5



#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

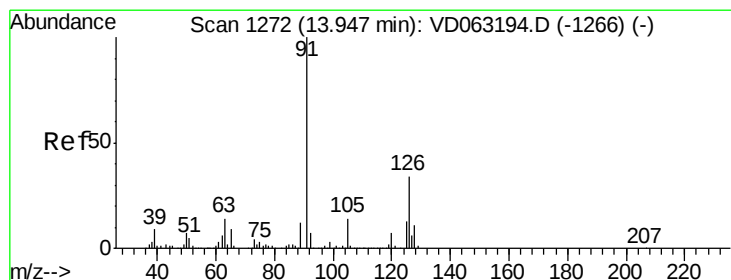
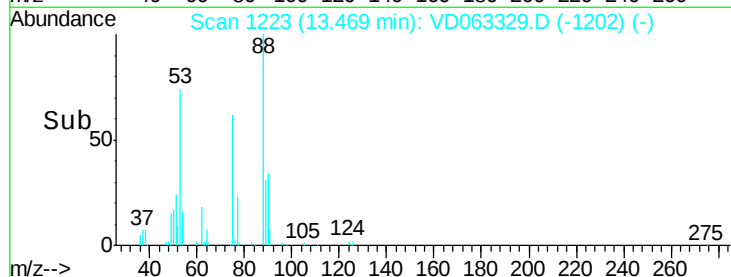
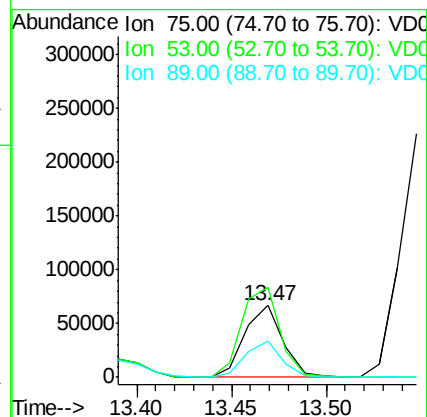
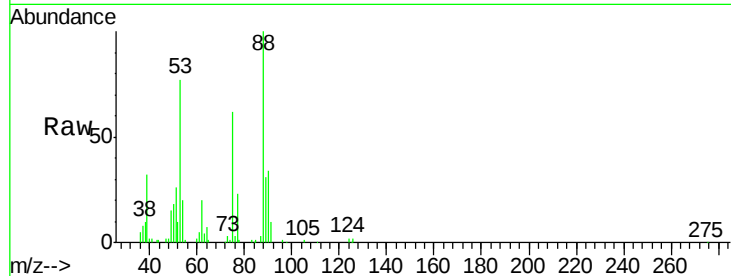
Tot Ion: 75 Resp: 93886

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

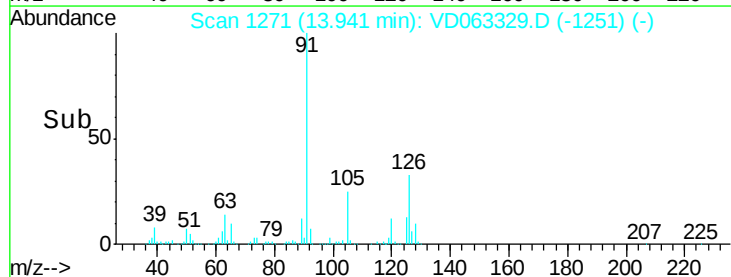
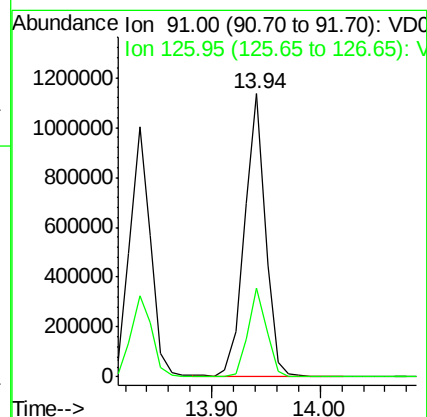
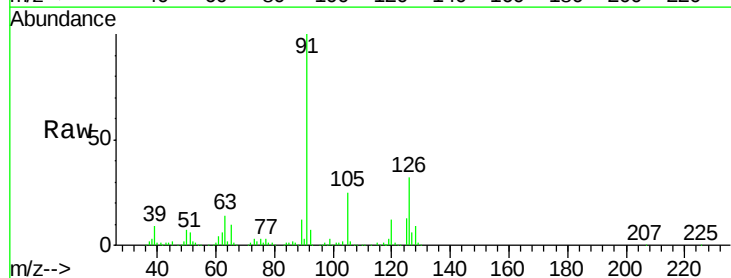
Acq: 2 Aug 2019 20:56

Tgt Ion: 91 Resp: 1515769

Ion Ratio Lower Upper

91 100

126 31.6 17.1 51.2

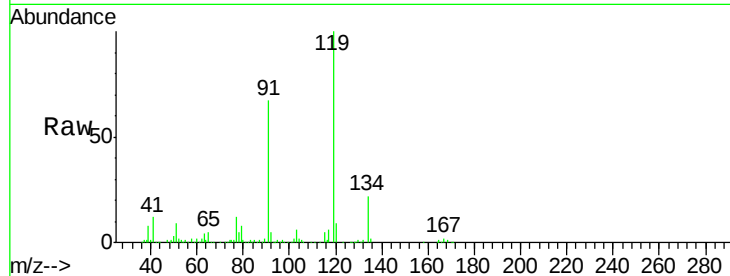




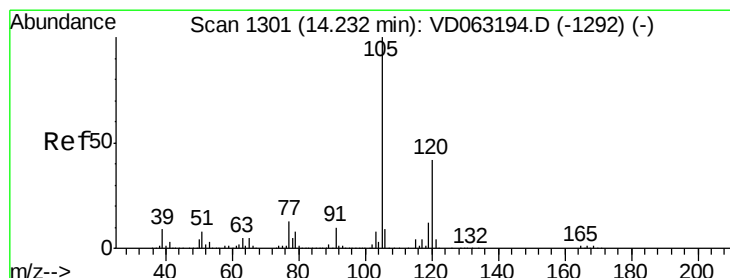
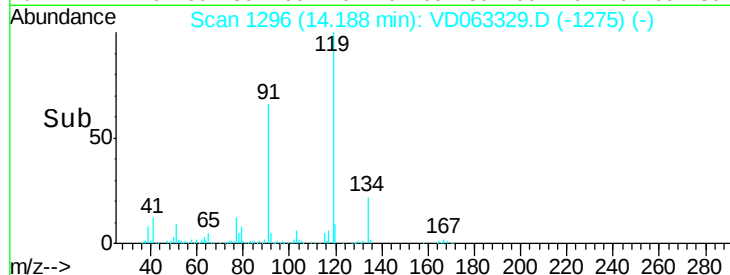
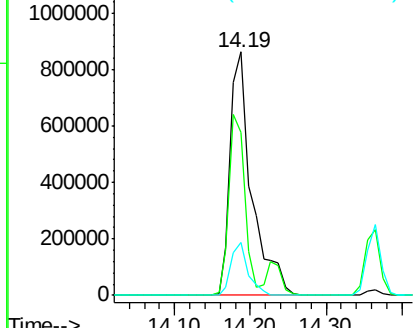
#83
tert-Butylbenzene
Concen: 45.701 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

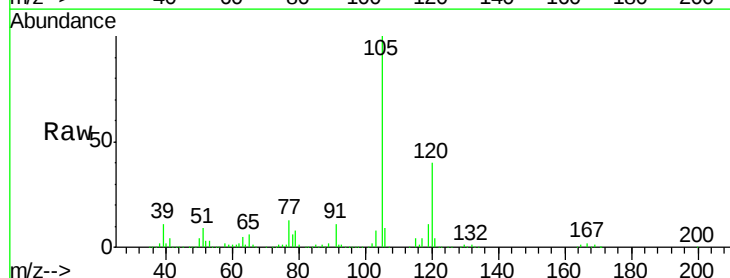


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

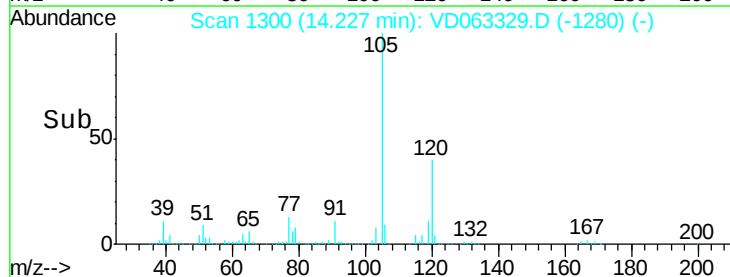
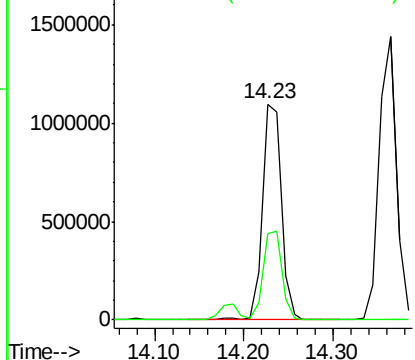


#84
1,2,4-Trimethylbenzene
Concen: 47.078 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

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 :

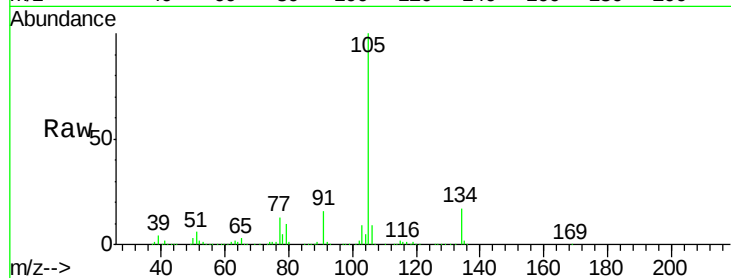
VSTDCCC050EC

Tot Ion:105 Resp: 1907453

Ion Ratio Lower Upper

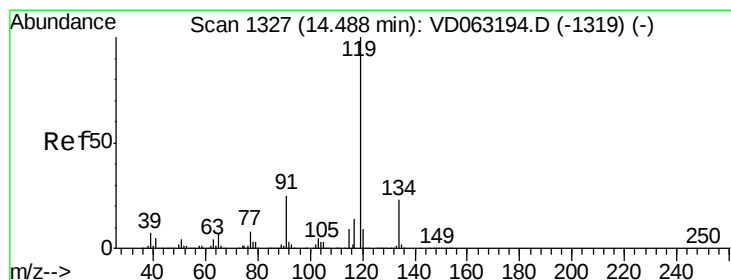
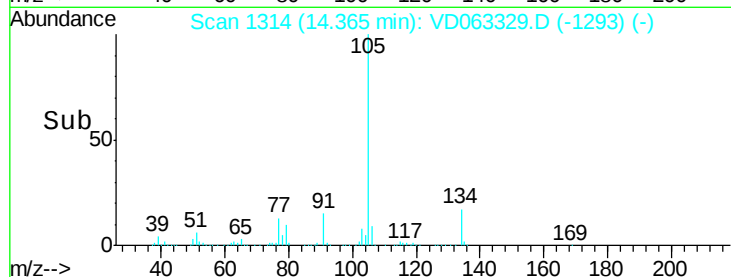
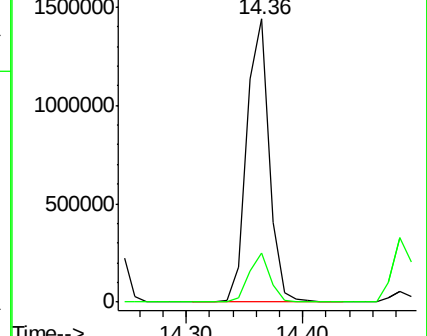
105 100

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

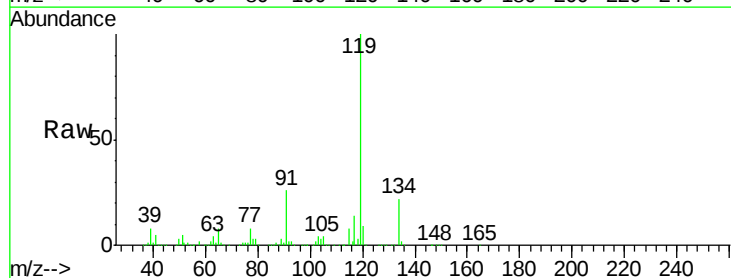
Tgt Ion:119 Resp: 1808916

Ion Ratio Lower Upper

119 100

134 22.2 11.5 34.5

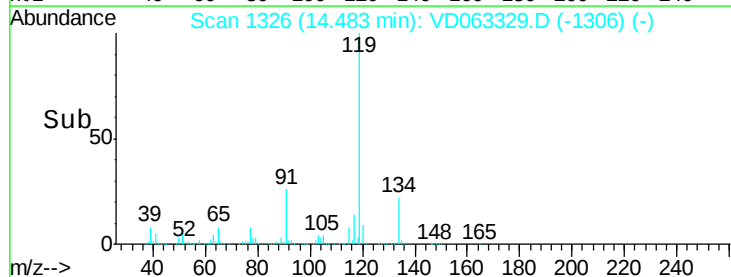
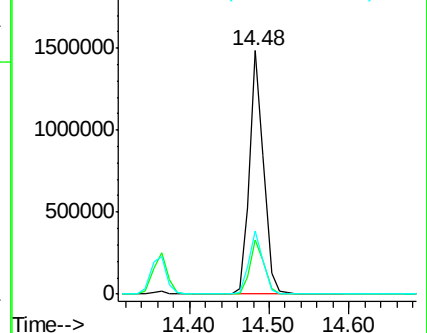
91 26.0 12.6 37.6

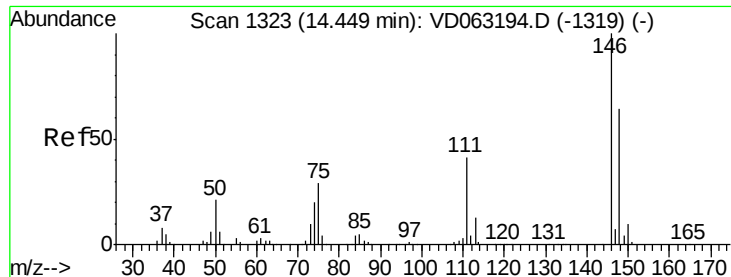


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

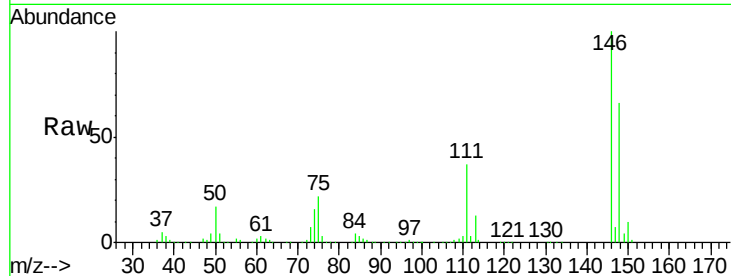




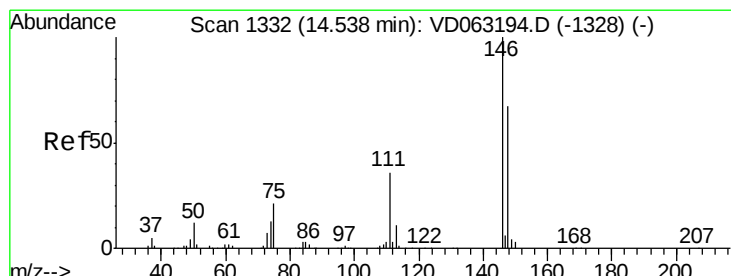
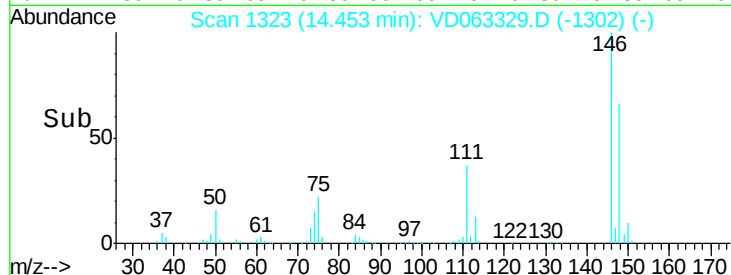
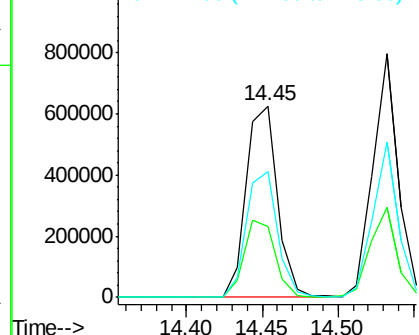
#87
 1,3-Dichlorobenzene
 Concen: 47.577 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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

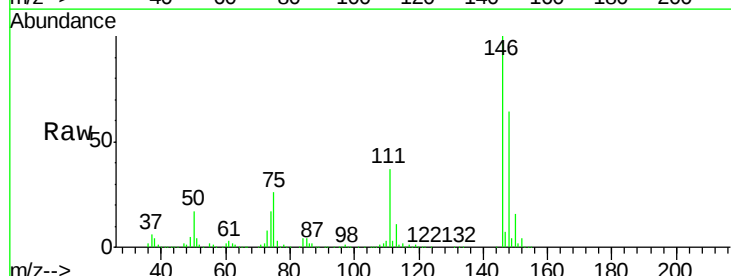


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

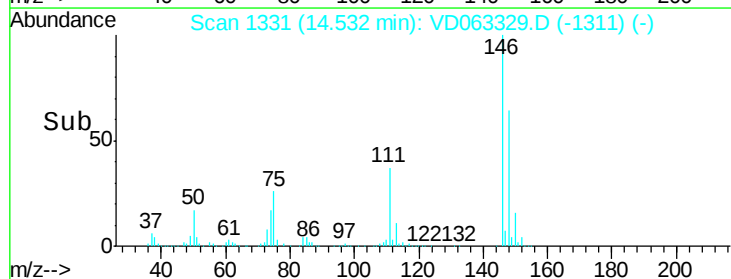
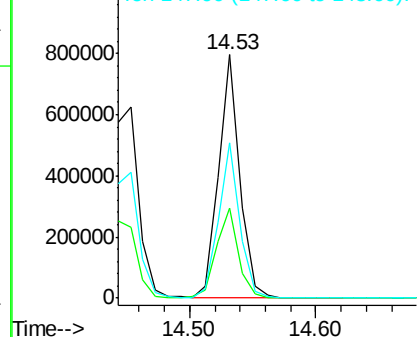


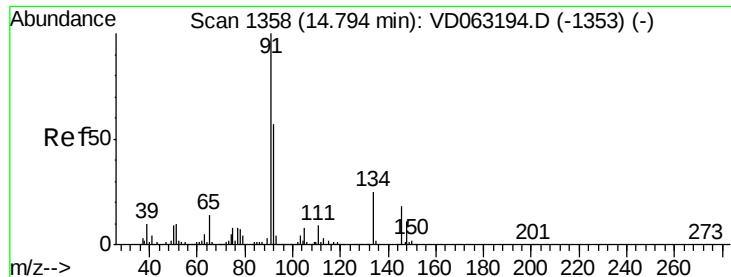
#88
 1,4-Dichlorobenzene
 Concen: 48.514 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

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



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

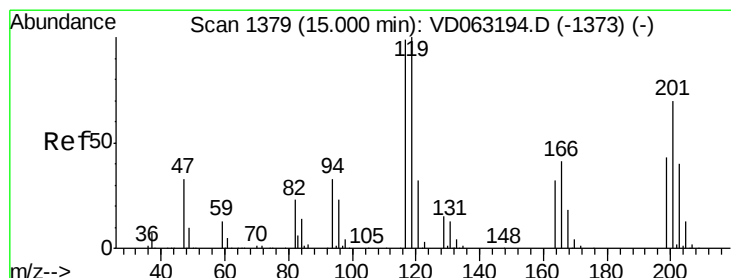
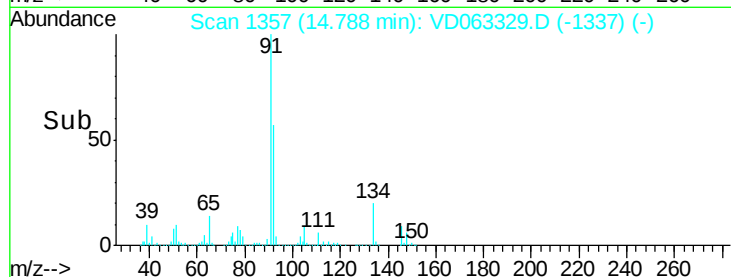
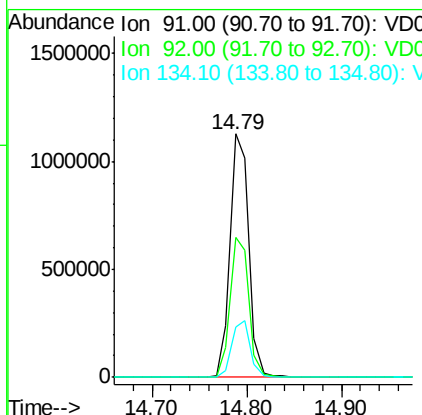
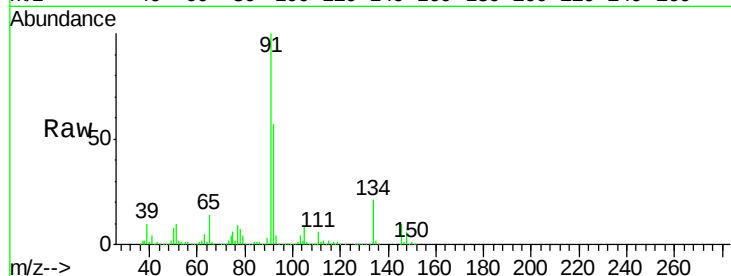




#89
n-Butylbenzene
Concen: 47.871 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

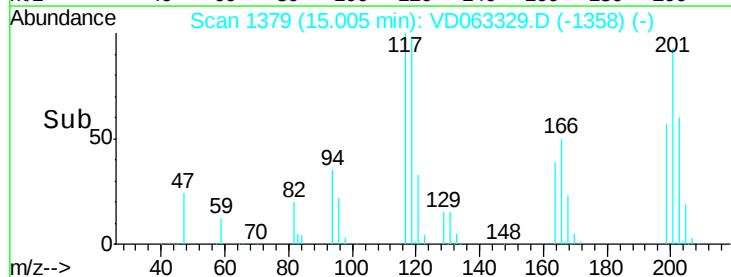
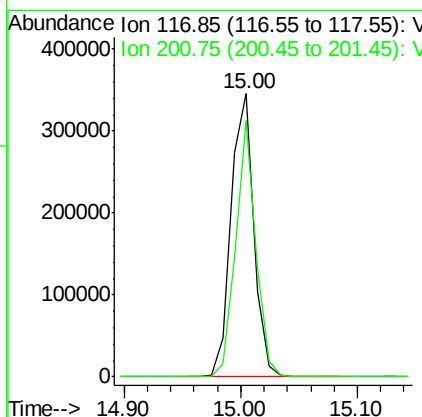
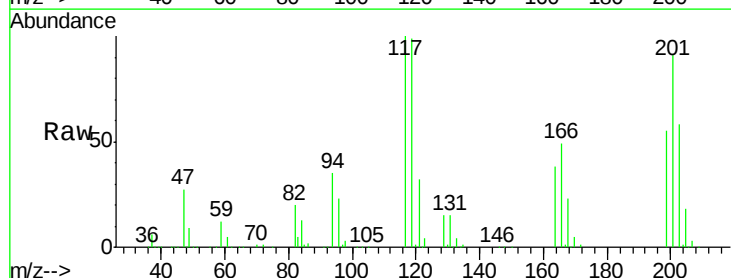
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

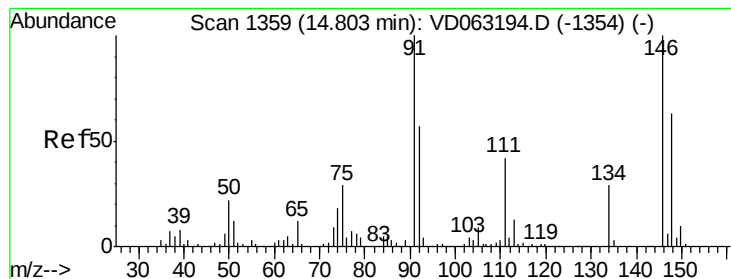
Tot Ion: 91 Resp: 1542190
Ion Ratio Lower Upper
91 100
92 57.3 28.3 85.0
134 20.5 12.3 36.8



#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





#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

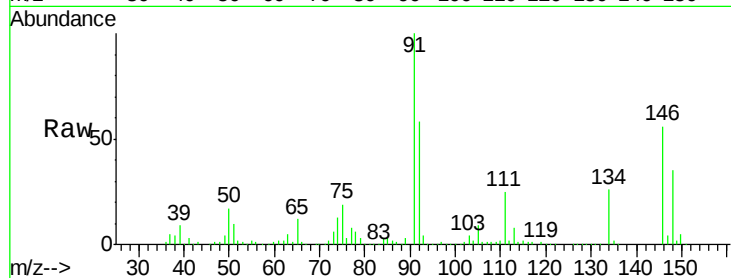
Tot Ion:146 Resp: 810877

Ion Ratio Lower Upper

146 100

111 45.7 21.1 63.3

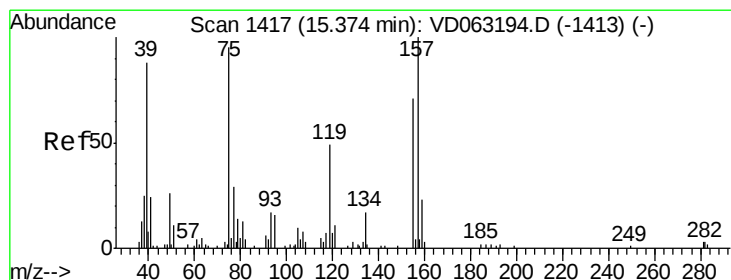
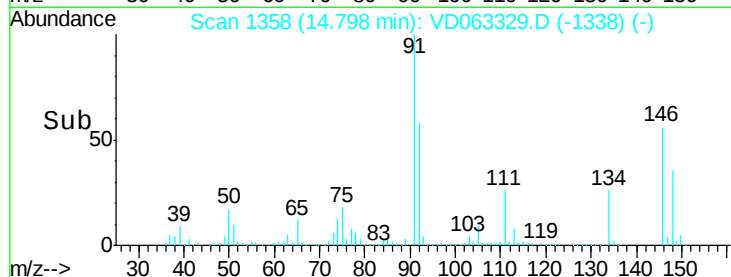
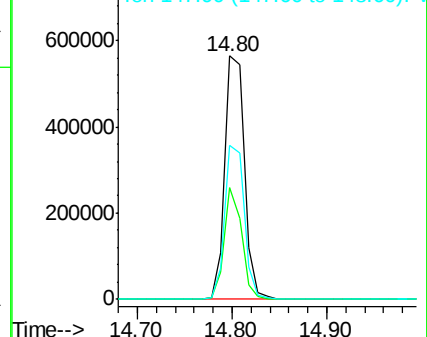
148 63.4 31.6 94.8



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

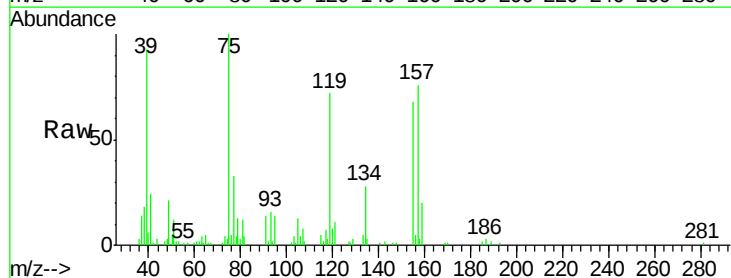
Tgt Ion: 75 Resp: 58230

Ion Ratio Lower Upper

75 100

155 68.0 37.0 111.0

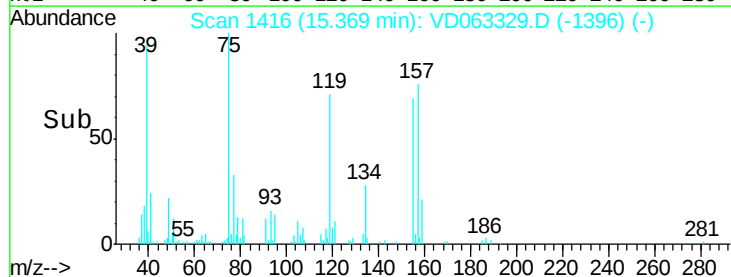
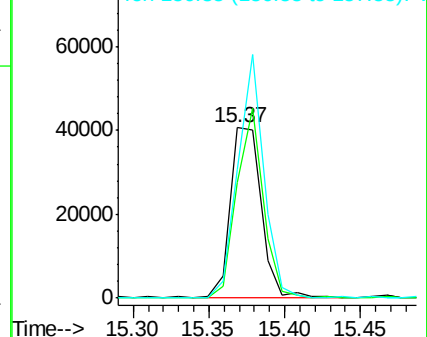
157 75.6 52.4 157.2

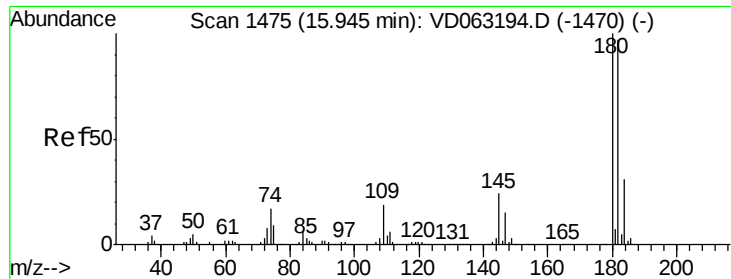


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

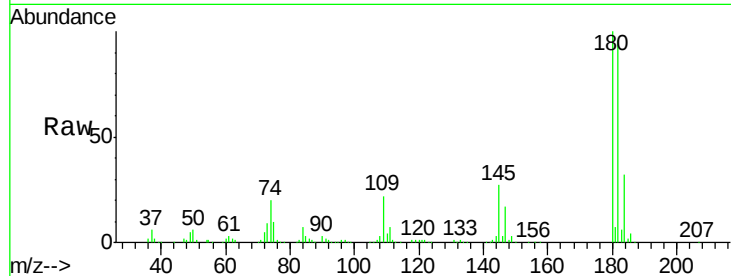




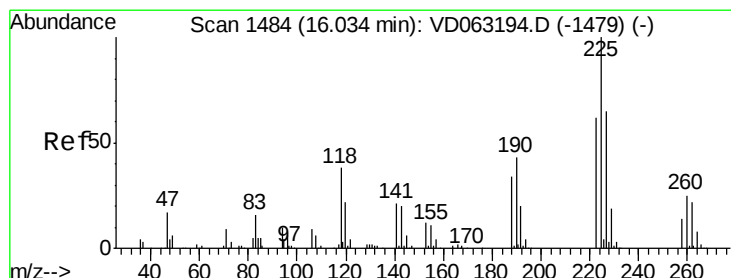
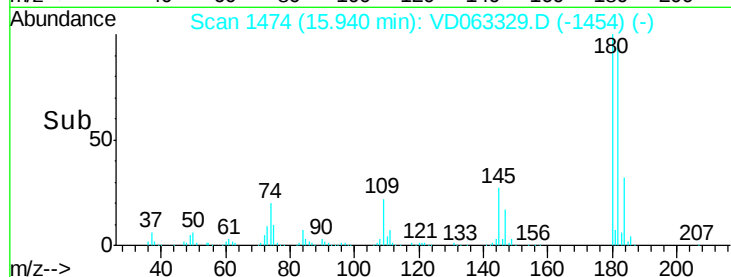
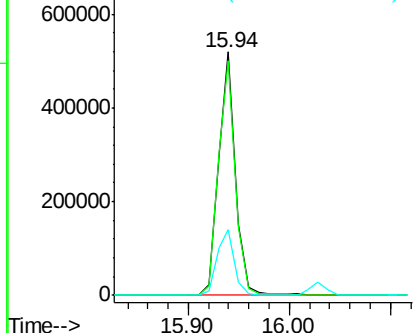
#93
 1,2,4-Trichlorobenzene
 Concen: 46.508 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 610817
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.6 145.8
 145 26.7 12.2 36.6

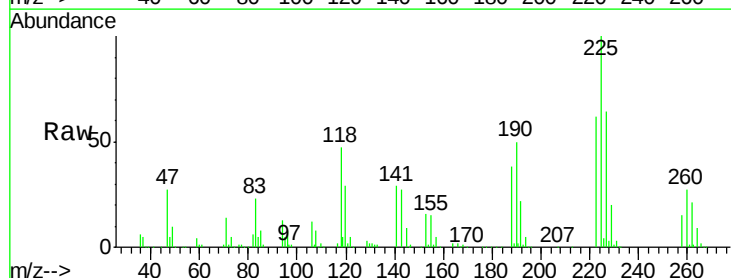


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

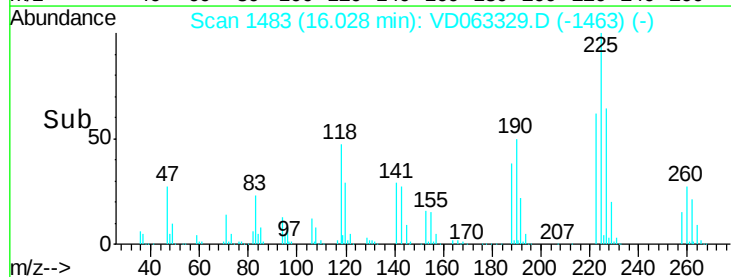
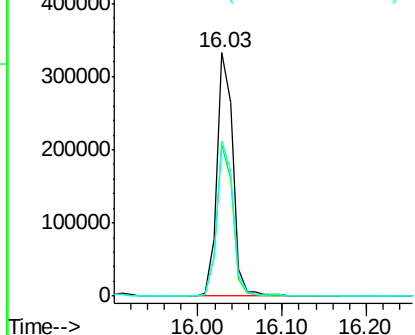


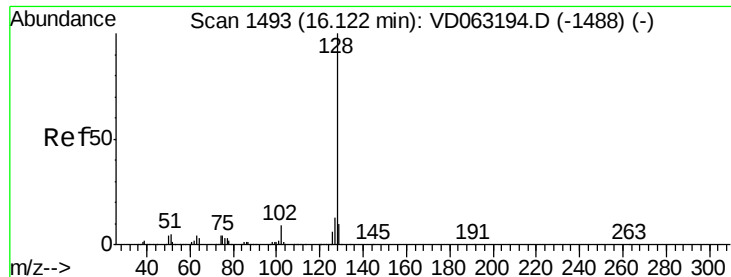
#94
 Hexachlorobutadiene
 Concen: 46.062 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063329.D
 Acq: 2 Aug 2019 20:56

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

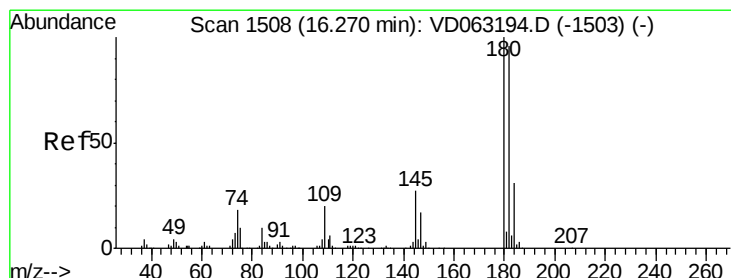
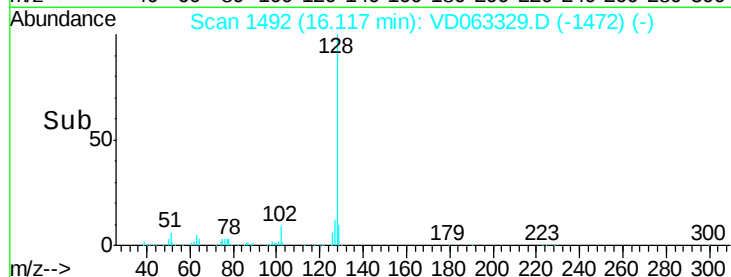
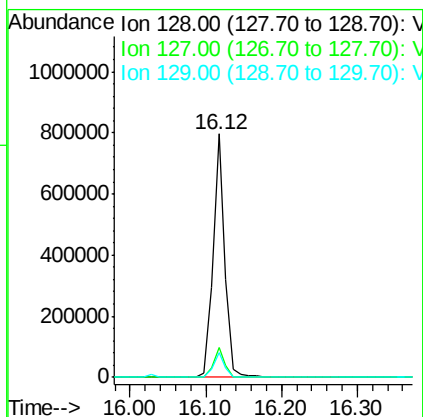
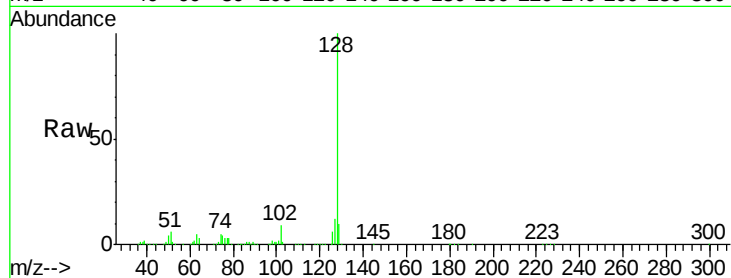




#95
Naphthalene
Concen: 47.474 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063329.D
Acq: 2 Aug 2019 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot 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

