

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063710.D
 Acq On : 21 Aug 2019 13:58
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Quant Time: Aug 22 01:25:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1026555	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1432508	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1101672	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	594508	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	538858	49.11	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	6.91	113	608940	50.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.41	98	1310351	49.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	13.56	95	568219	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	236732	19.061	ug/l	90
3) Chloromethane	1.73	50	188514	19.428	ug/l	94
4) Vinyl Chloride	1.83	62	191734	19.904	ug/l	95
5) Bromomethane	2.14	94	79599	17.513	ug/l	99
6) Chloroethane	2.25	64	89090	20.225	ug/l	97
7) Trichlorofluoromethane	2.51	101	378827	20.049	ug/l	99
8) Diethyl Ether	2.86	74	51606	19.345	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.13	101	222993	19.987	ug/l	91
10) Methyl Iodide	3.29	142	273481	17.324	ug/l	94
11) Tert butyl alcohol	4.08	59	56333	117.930	ug/l	100
12) 1,1-Dichloroethene	3.11	96	159598	19.240	ug/l	93
13) Acrolein	3.02	56	35283	75.040	ug/l	87
14) Allyl chloride	3.60	41	255128	20.460	ug/l	96
15) Acrylonitrile	4.19	53	136687	108.031	ug/l	99
16) Acetone	3.21	43	240812	107.958	ug/l	99
17) Carbon Disulfide	3.36	76	476633	18.207	ug/l	98
18) Methyl Acetate	3.63	43	85501	20.237	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	362251	21.837	ug/l	99
20) Methylene Chloride	3.80	84	182092	18.879	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	176704	20.243	ug/l	93
22) Diisopropyl ether	5.11	45	519762	20.199	ug/l	98
23) Vinyl Acetate	5.04	43	1570911	105.013	ug/l	99
24) 1,1-Dichloroethane	4.96	63	324592	20.338	ug/l	98
25) 2-Butanone	6.07	43	237673	107.885	ug/l	98
26) 2,2-Dichloropropane	6.02	77	332411	20.911	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	193741	20.286	ug/l	93
28) Bromochloromethane	6.43	49	123532	19.098	ug/l	87
29) Tetrahydrofuran	6.46	42	105982	103.240	ug/l	98
30) Chloroform	6.66	83	411489	20.743	ug/l	92
31) Cyclohexane	6.94	56	191762	19.355	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	391030	20.606	ug/l	90
36) 1,1-Dichloropropene	7.14	75	255893	20.207	ug/l	95
37) Ethyl Acetate	6.17	43	110395	20.804	ug/l	97
38) Carbon Tetrachloride	7.10	117	481174	25.211	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	204553	18.996	ug/l	91
40) Benzene	7.44	78	538779	19.333	ug/l	94
41) Methacrylonitrile	6.45	41	141375	21.159	ug/l #	97
42) 1,2-Dichloroethane	7.57	62	282462	20.157	ug/l	97
43) Isopropyl Acetate	9.24	43	145193	20.429	ug/l #	93
44) Trichloroethene	8.54	130	213423	20.036	ug/l	93
45) 1,2-Dichloropropane	8.93	63	138759	21.381	ug/l	97
46) Dibromomethane	9.06	93	113997	20.569	ug/l	93
47) Bromodichloromethane	9.37	83	304410	21.413	ug/l	95
48) Methyl methacrylate	9.12	41	99683	20.682	ug/l	90
49) 1,4-Dioxane	9.09	88	17653	424.741	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	515667	106.035	ug/l	97
52) Toluene	10.51	92	355875	19.826	ug/l	88
53) t-1,3-Dichloropropene	10.91	75	246872	21.278	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	271618	20.763	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	132522	21.856	ug/l	93
56) Ethyl methacrylate	11.04	69	140860	21.404	ug/l	91
57) 1,3-Dichloropropane	11.40	76	196983	21.492	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	371633	106.963	ug/l	100
59) 2-Hexanone	11.53	43	410198	115.922	ug/l	99
60) Dibromochloromethane	11.69	129	223717	20.277	ug/l	98
61) 1,2-Dibromoethane	11.81	107	147256	20.062	ug/l	92
64) Tetrachloroethene	11.25	164	192172	22.596	ug/l	92
65) Chlorobenzene	12.40	112	452882	21.933	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	212955	23.435	ug/l	96
67) Ethyl Benzene	12.52	91	826030	23.008	ug/l	100
68) m/p-Xylenes	12.66	106	586609	46.507	ug/l	95
69) o-Xylene	13.05	106	261514	21.542	ug/l	97
70) Styrene	13.08	104	467120	21.632	ug/l	97
71) Bromoform	13.23	173	133448	21.417	ug/l #	94
73) Isopropylbenzene	13.40	105	844353	22.329	ug/l	98
74) N-amyl acetate	13.26	43	215577	22.710	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	135669	21.616	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	153046	22.431	ug/l	96
77) Bromobenzene	13.67	156	236463	22.881	ug/l	96
78) n-propylbenzene	13.77	91	940870	21.266	ug/l	97
79) 2-Chlorotoluene	13.84	91	566455	22.205	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	696957	21.095	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	36960	20.154	ug/l	86
82) 4-Chlorotoluene	13.94	91	645677	21.048	ug/l	93
83) tert-Butylbenzene	14.19	119	795906	22.876	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	742088	24.275	ug/l	94
85) sec-Butylbenzene	14.36	105	804872	21.784	ug/l	97
86) p-Isopropyltoluene	14.49	119	753535	21.330	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	389967	20.861	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	389711	21.729	ug/l	93
89) n-Butylbenzene	14.80	91	718405	22.281	ug/l	94
90) Hexachloroethane	15.00	117	195683	22.037	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	349585	22.042	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23437	19.831	ug/l	90

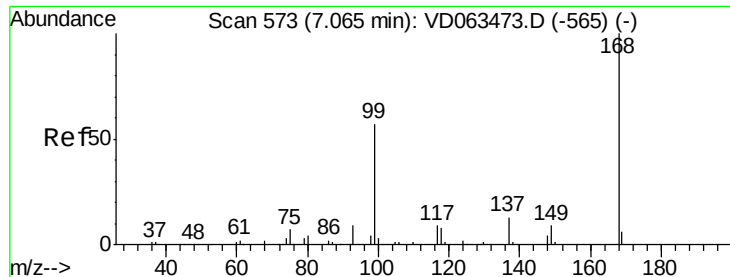
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	263231	22.556	ug/l	95
94) Hexachlorobutadiene	16.04	225	181699	20.429	ug/l	96
95) Naphthalene	16.13	128	392123	22.171	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	194076	20.590	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

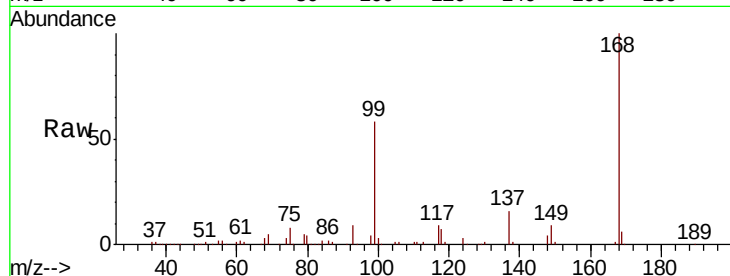
VD0821SBSD01

Tgt Ion:168 Resp: 1026555

Ion Ratio Lower Upper

168 100

99 58.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

200000

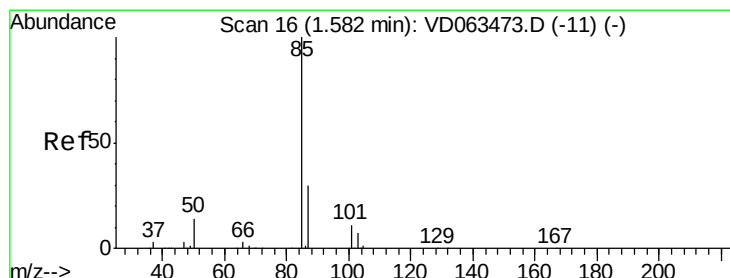
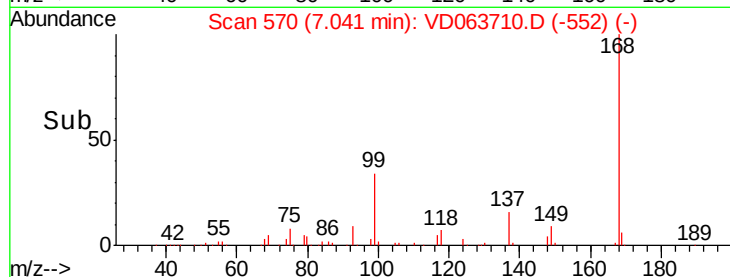
100000

0

7.00

7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.061 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD063710.D

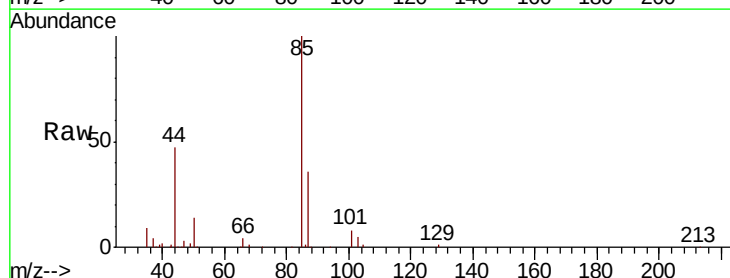
Acq: 21 Aug 2019 13:58

Tgt Ion: 85 Resp: 236732

Ion Ratio Lower Upper

85 100

87 35.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

100000

80000

60000

40000

20000

0

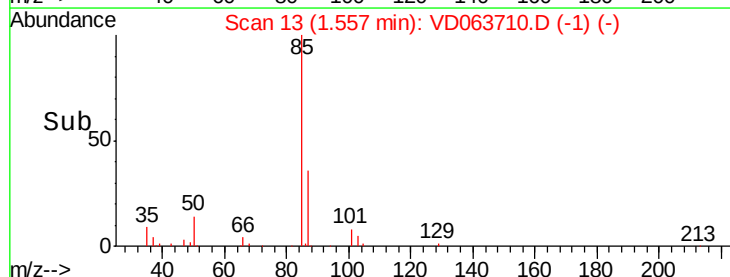
1.50

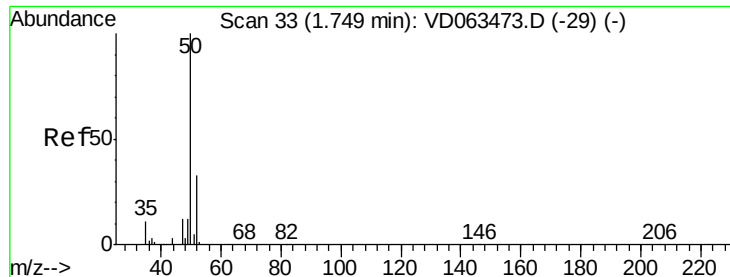
1.60

1.70

1.80

Time-->





#3

Chloromethane

Concen: 19.428 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

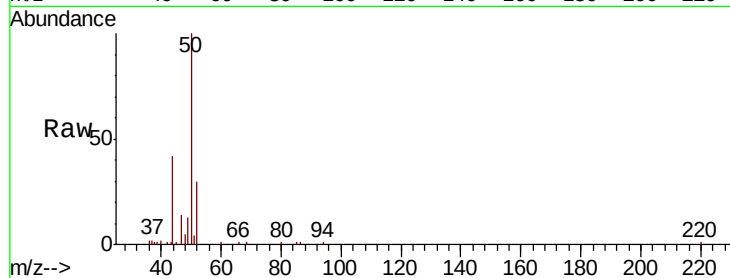
VD0821SBSD01

Tgt Ion: 50 Resp: 188514

Ion Ratio Lower Upper

50 100

52 30.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

60000

50000

40000

30000

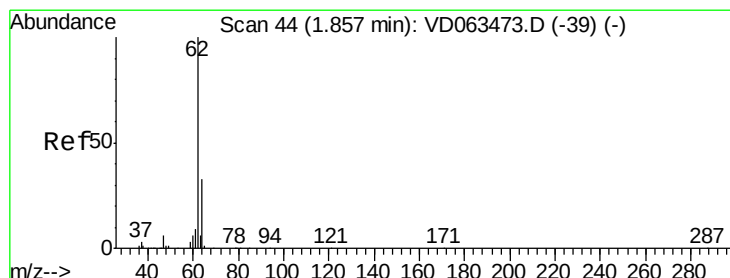
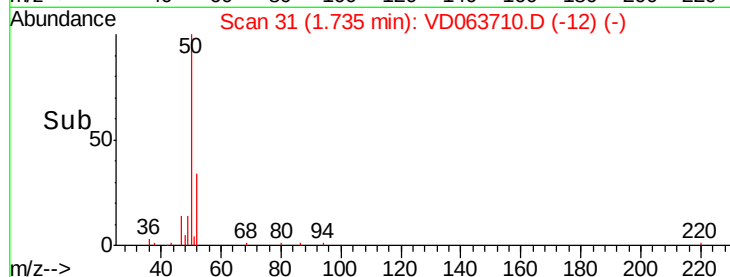
20000

10000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 19.904 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.02 min

Lab File: VD063710.D

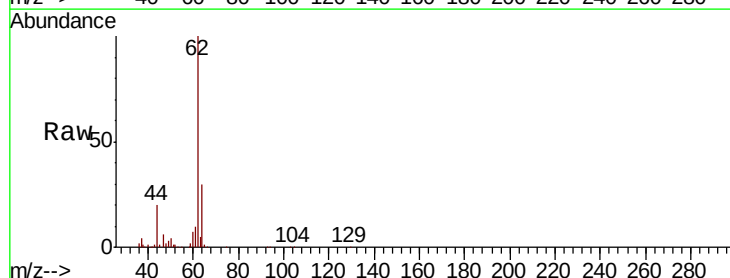
Acq: 21 Aug 2019 13:58

Tgt Ion: 62 Resp: 191734

Ion Ratio Lower Upper

62 100

64 30.4 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

120000

100000

80000

60000

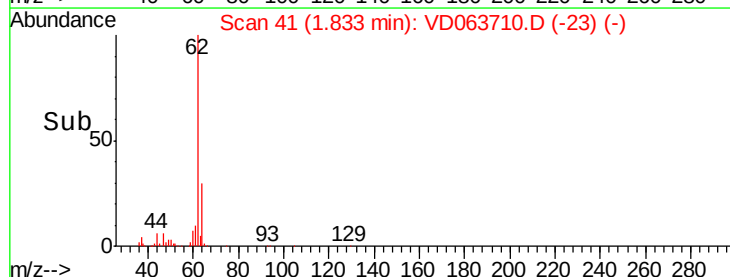
40000

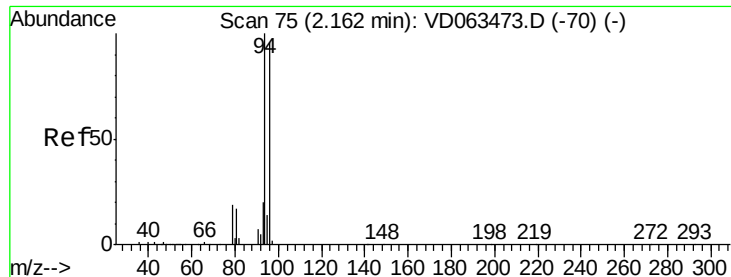
20000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 17.513 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

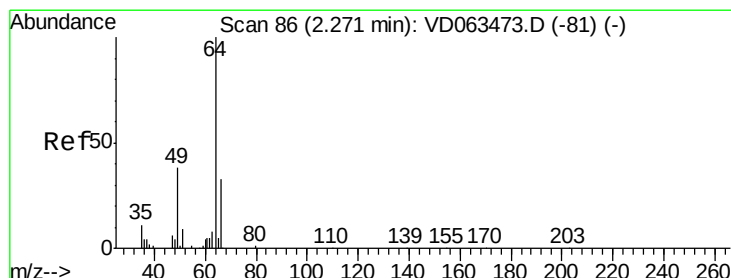
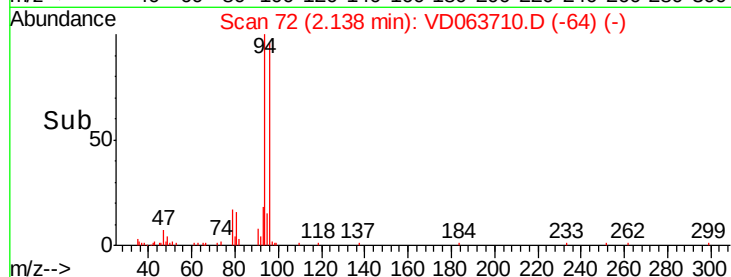
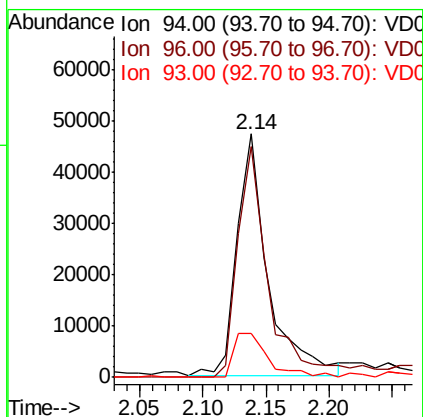
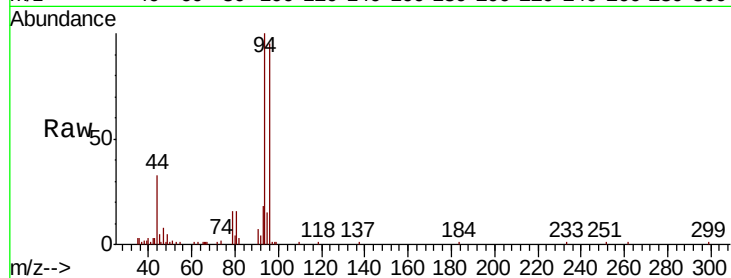
Tgt Ion: 94 Resp: 79599

Ion Ratio Lower Upper

94 100

96 94.7 76.5 114.7

93 18.3 15.8 23.8



#6

Chloroethane

Concen: 20.225 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063710.D

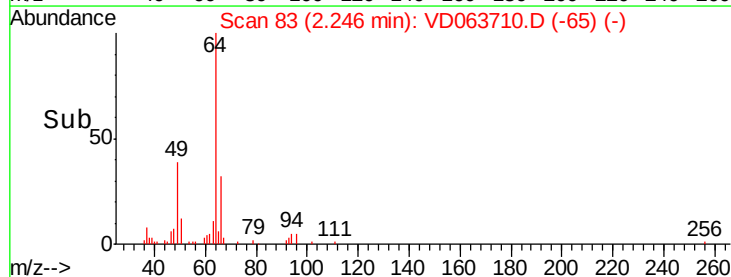
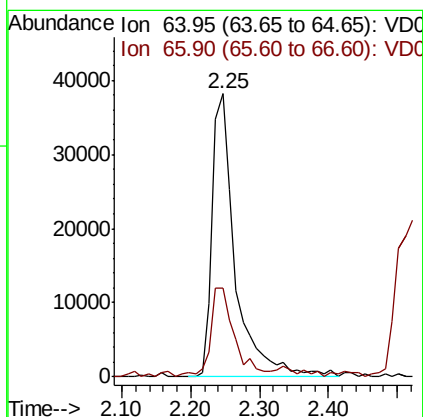
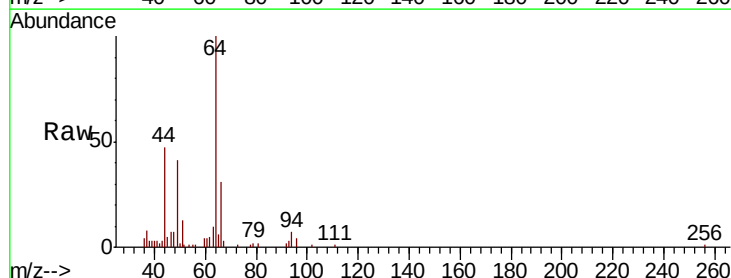
Acq: 21 Aug 2019 13:58

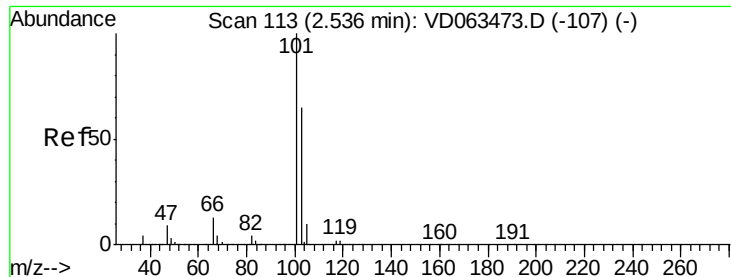
Tgt Ion: 64 Resp: 89090

Ion Ratio Lower Upper

64 100

66 31.5 26.3 39.5



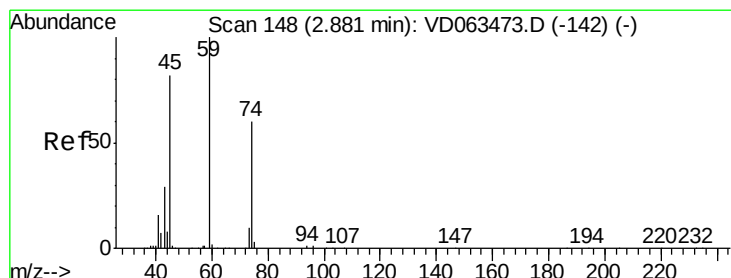
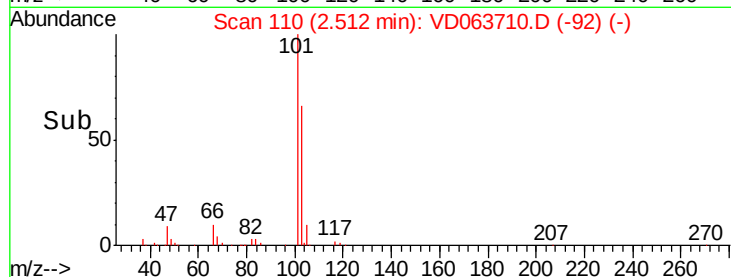
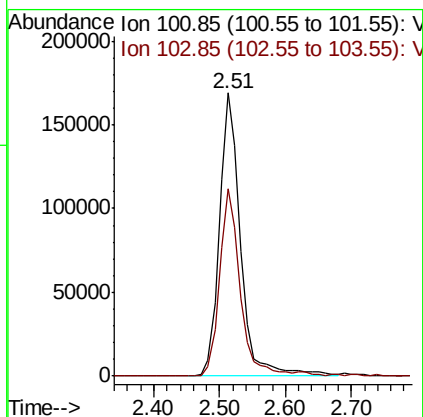
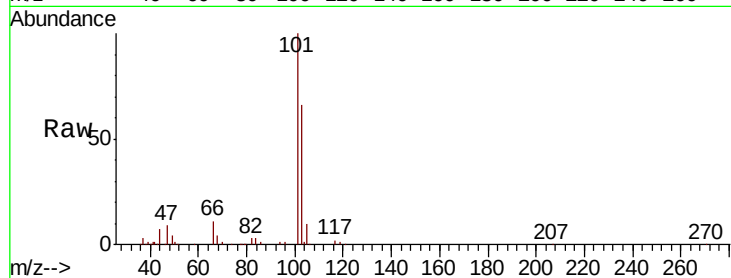


#7

Trichlorofluoromethane
 Concen: 20.049 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

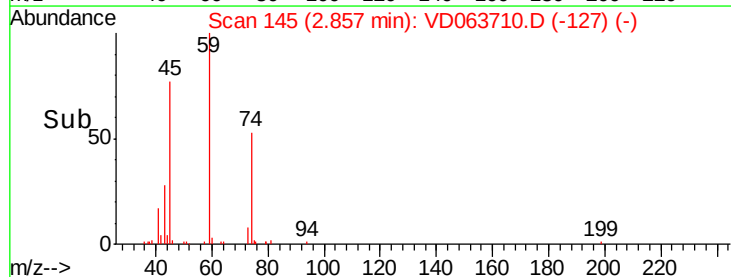
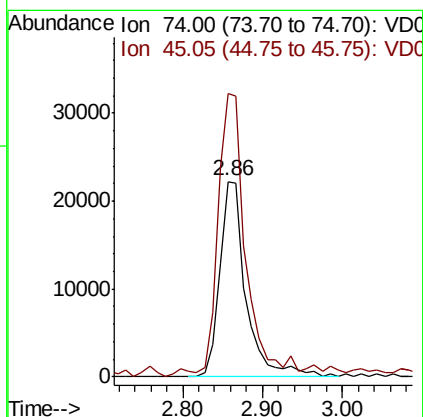
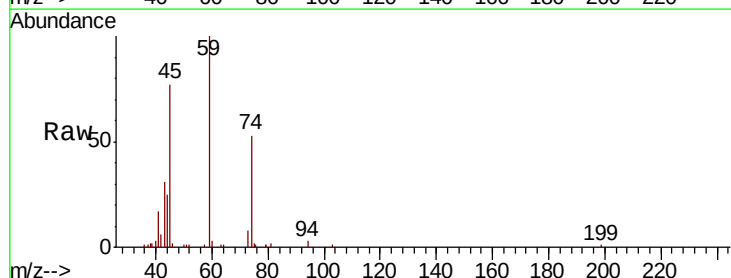
Tgt Ion:101 Resp: 378827
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.2 78.4

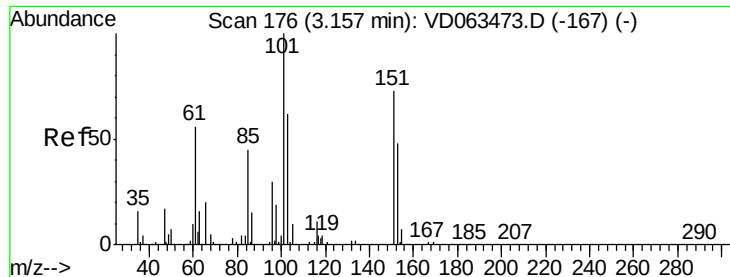


#8

Diethyl Ether
 Concen: 19.345 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 74 Resp: 51606
 Ion Ratio Lower Upper
 74 100
 45 145.1 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.987 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

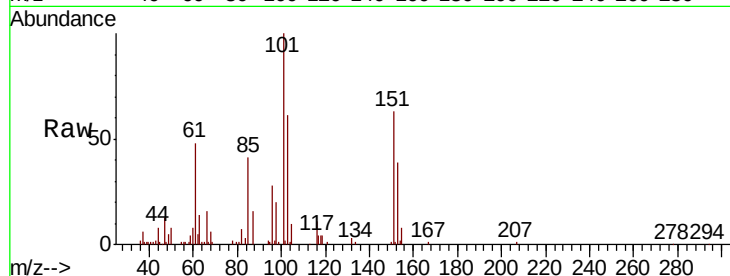
Tgt Ion:101 Resp: 222993

Ion Ratio Lower Upper

101 100

85 41.5 35.8 53.6

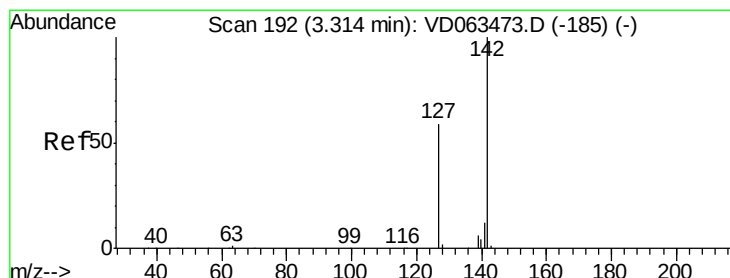
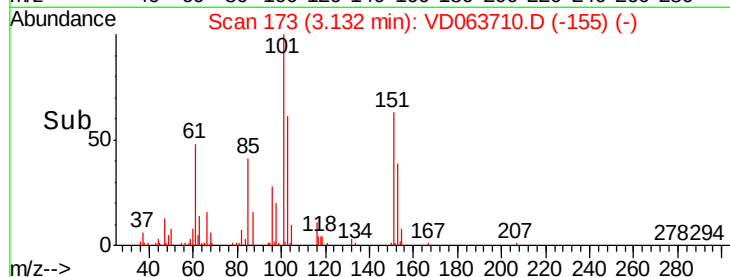
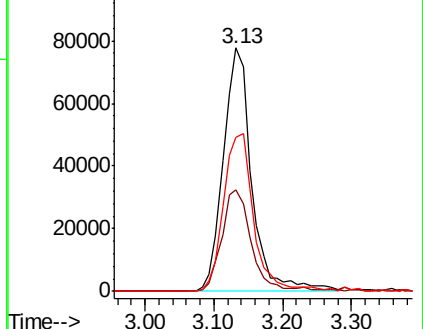
151 63.4 58.6 88.0



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: 17.324 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

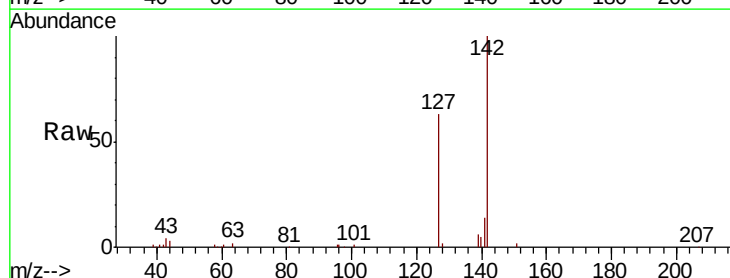
Tgt Ion:142 Resp: 273481

Ion Ratio Lower Upper

142 100

127 63.2 47.2 70.8

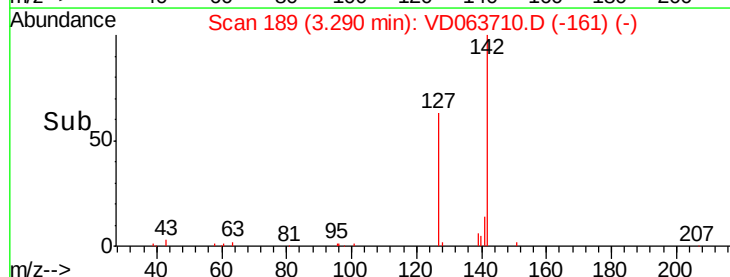
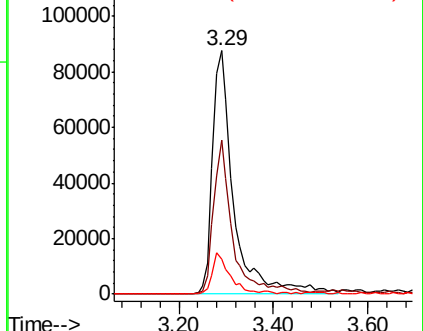
141 14.5 9.8 14.8

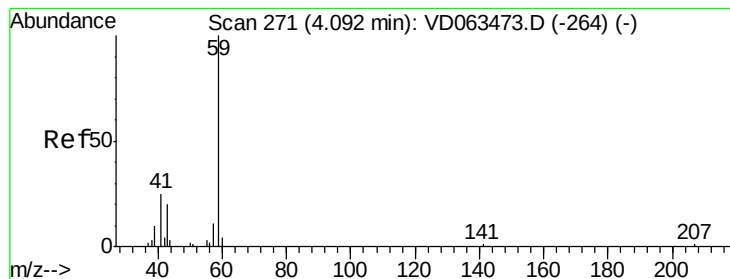


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



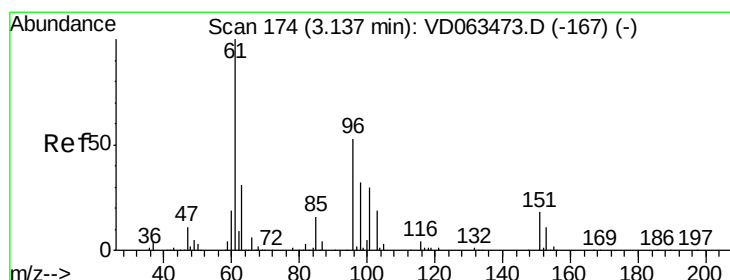
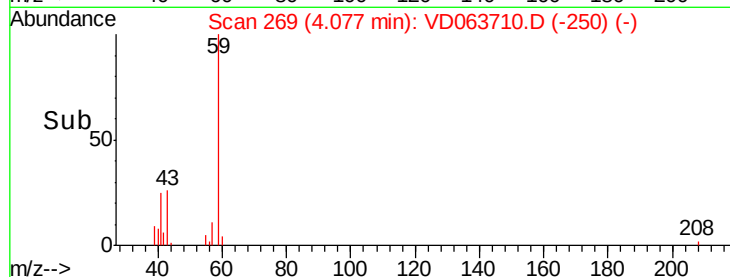
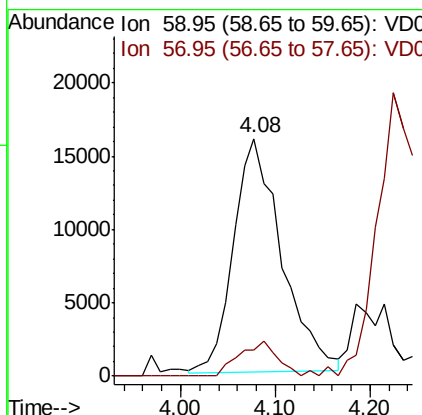
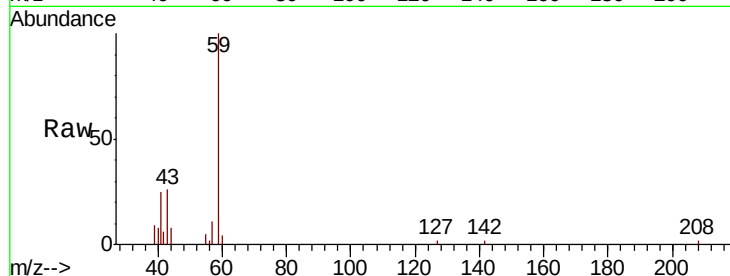


#11

Tert butyl alcohol
 Concen: 117.930 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

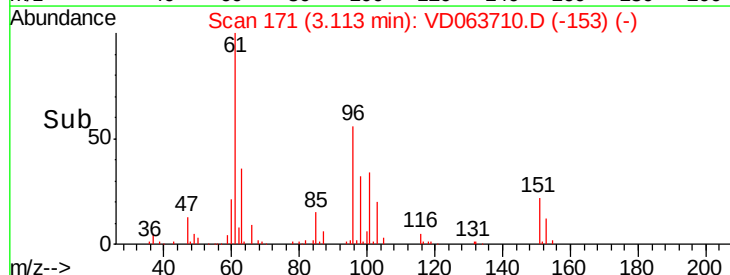
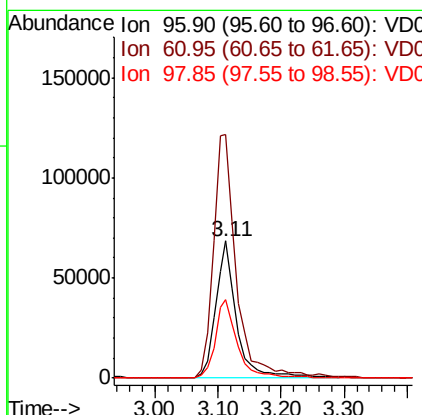
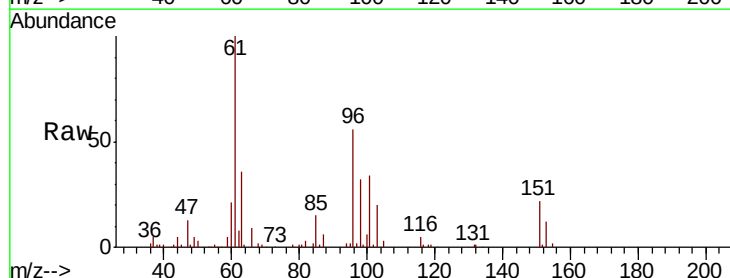
Tgt Ion: 59 Resp: 56333
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

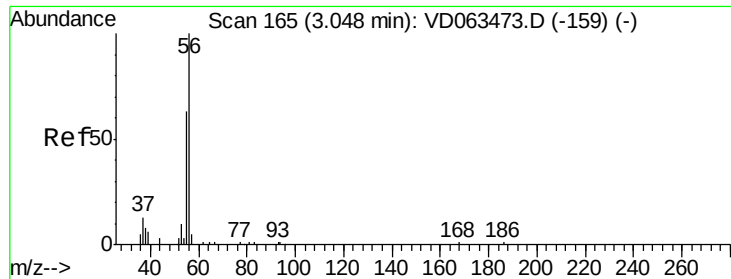


#12

1,1-Dichloroethene
 Concen: 19.240 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 96 Resp: 159598
 Ion Ratio Lower Upper
 96 100
 61 177.9 151.7 227.5
 98 57.5 48.4 72.6





#13

Acrolein

Concen: 75.040 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

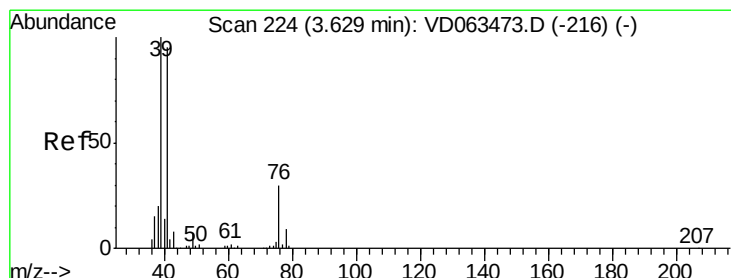
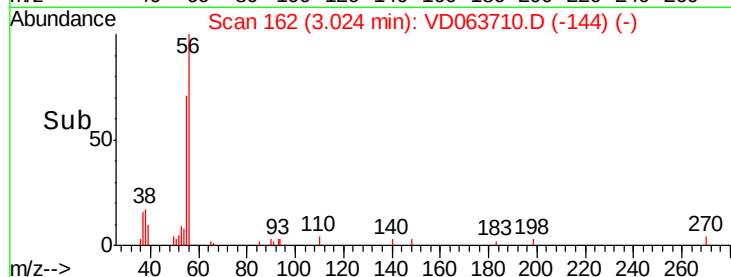
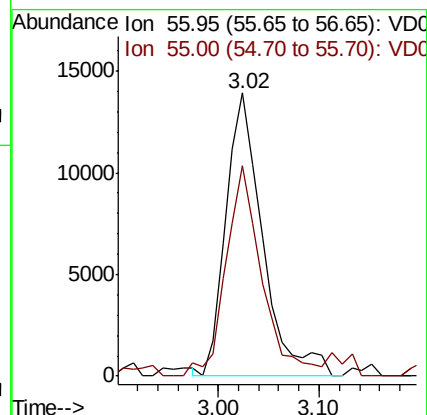
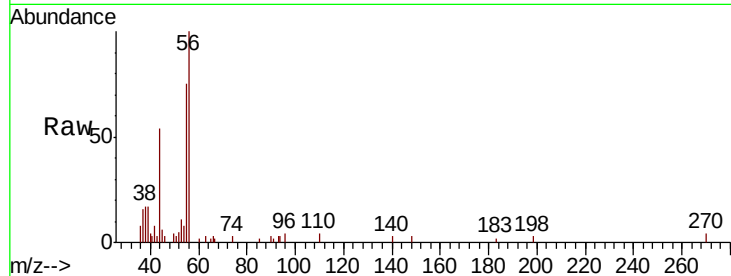
VD0821SBSD01

Tgt Ion: 56 Resp: 35283

Ion Ratio Lower Upper

56 100

55 74.5 51.3 76.9



#14

Allyl chloride

Concen: 20.460 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

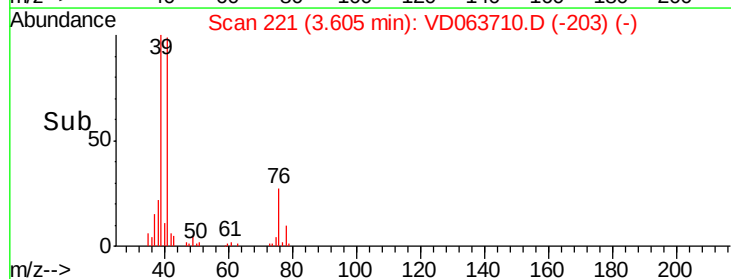
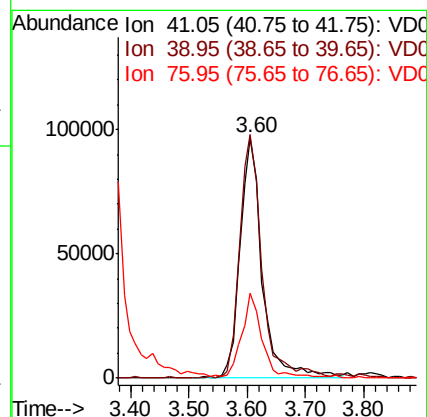
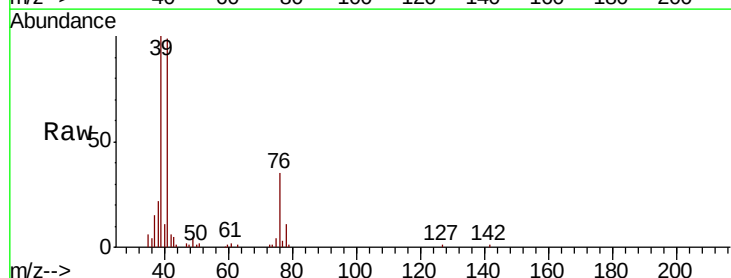
Tgt Ion: 41 Resp: 255128

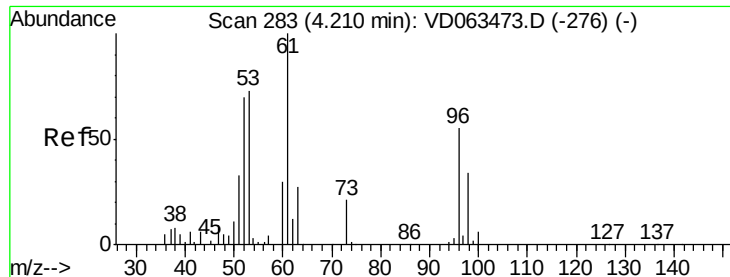
Ion Ratio Lower Upper

41 100

39 101.4 84.2 126.4

76 35.2 26.0 39.0





#15

Acrylonitrile

Concen: 108.031 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

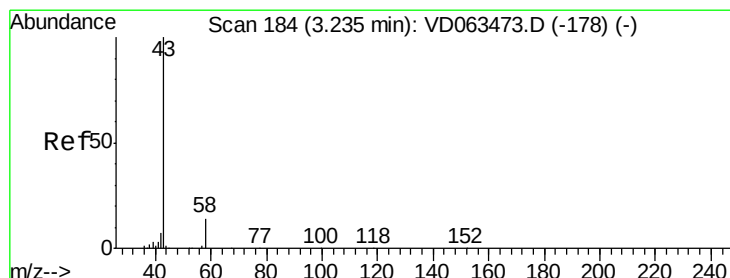
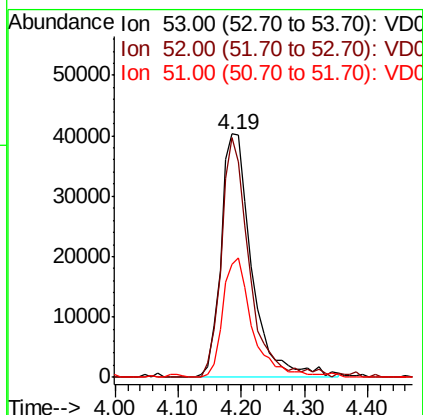
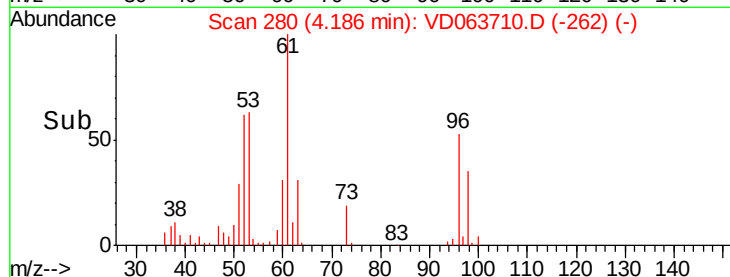
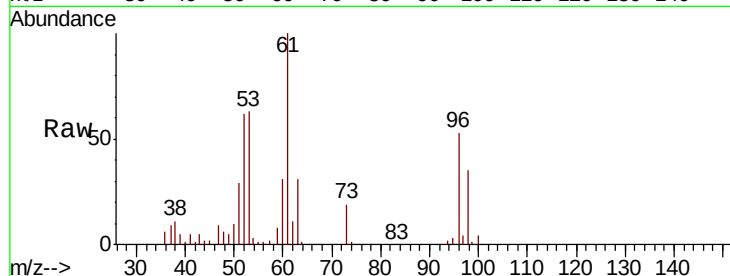
Tgt Ion: 53 Resp: 136687

Ion Ratio Lower Upper

53 100

52 98.4 77.4 116.0

51 46.3 36.7 55.1



#16

Acetone

Concen: 107.958 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063710.D

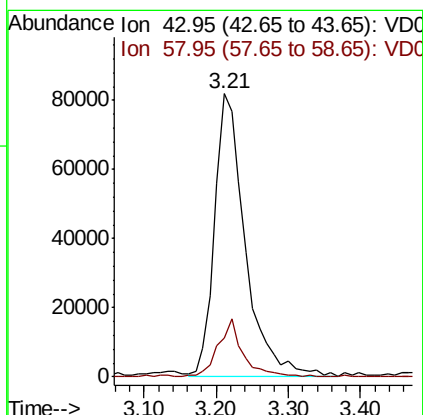
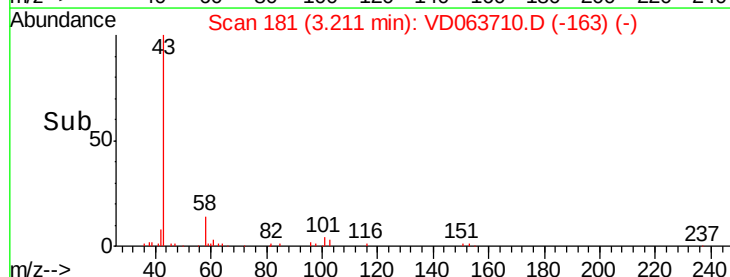
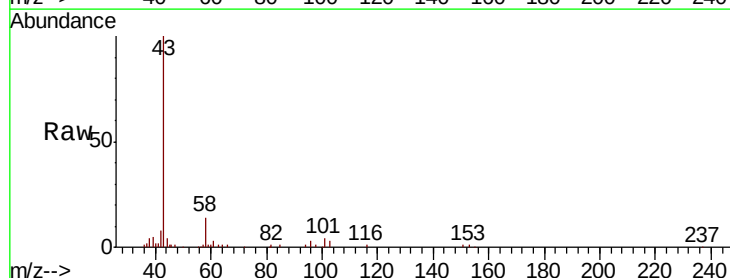
Acq: 21 Aug 2019 13:58

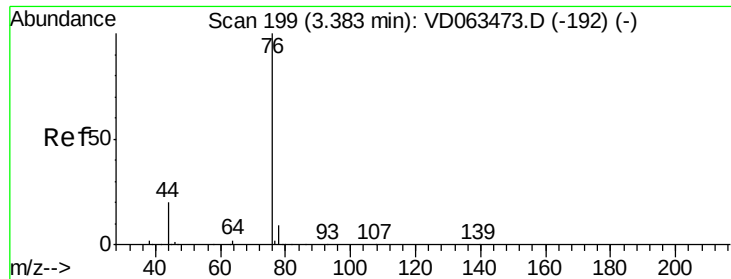
Tgt Ion: 43 Resp: 240812

Ion Ratio Lower Upper

43 100

58 14.0 11.4 17.2

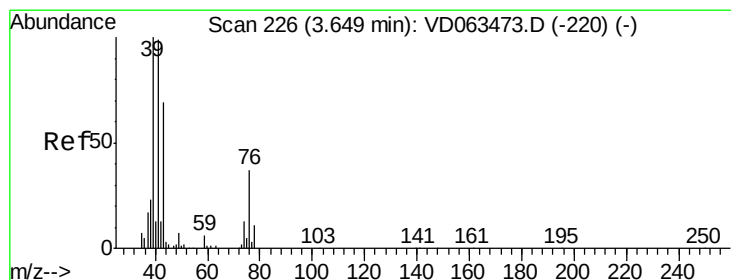
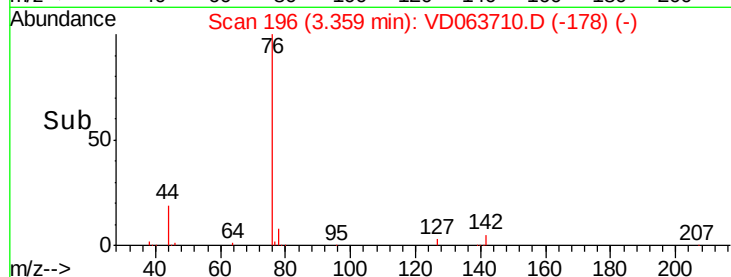
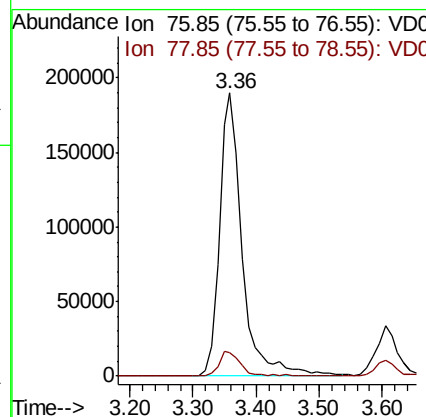
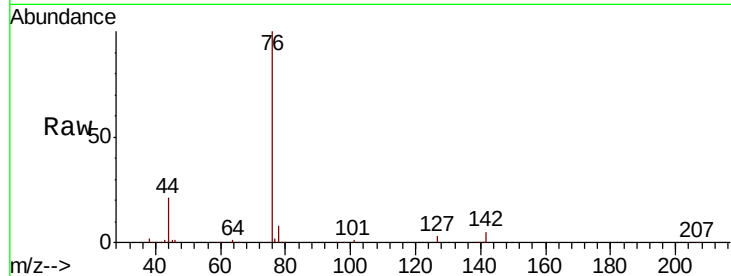




#17
Carbon Disulfide
Concen: 18.207 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

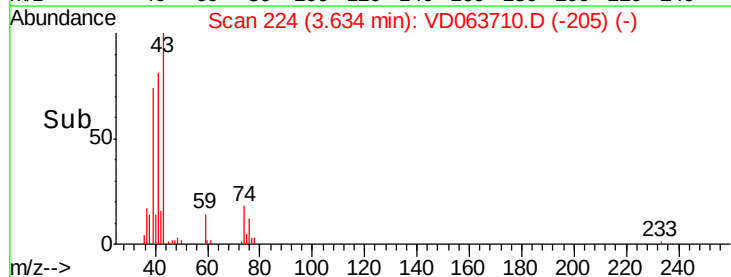
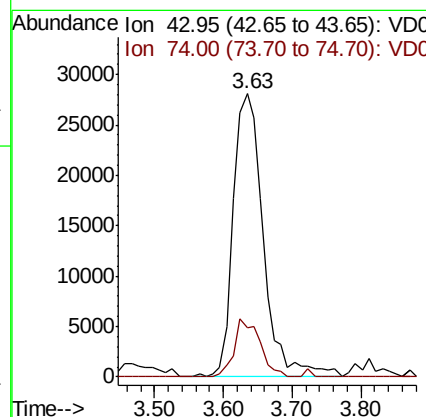
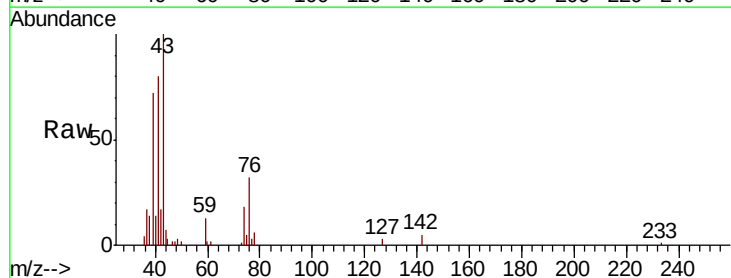
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

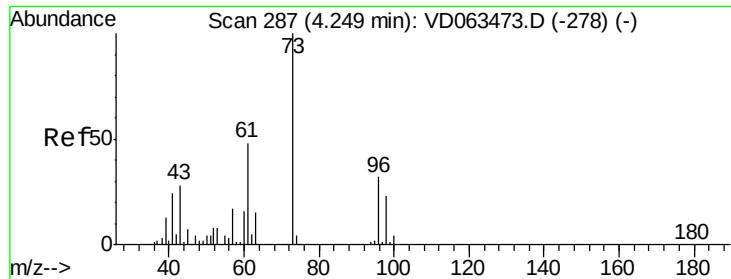
Tgt Ion: 76 Resp: 476633
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#18
Methyl Acetate
Concen: 20.237 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 43 Resp: 85501
Ion Ratio Lower Upper
43 100
74 17.5 15.4 23.2

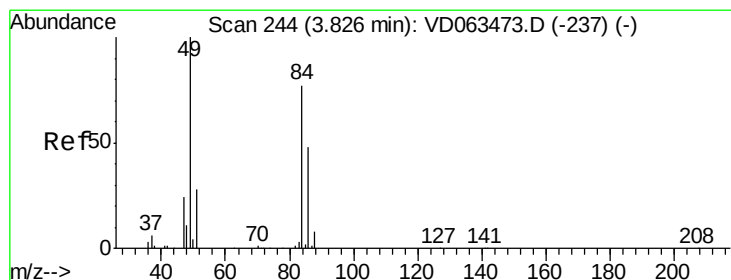
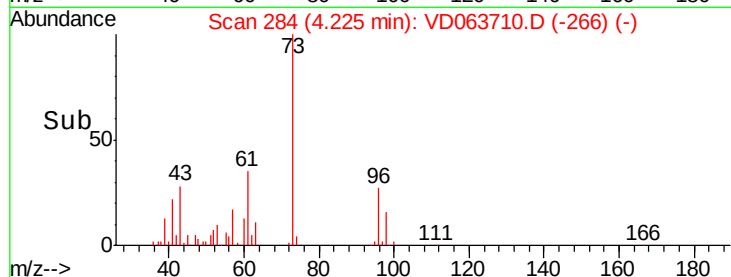
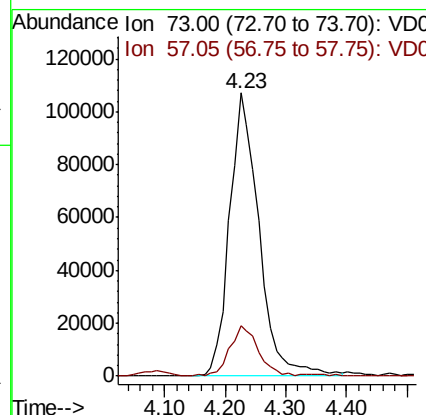
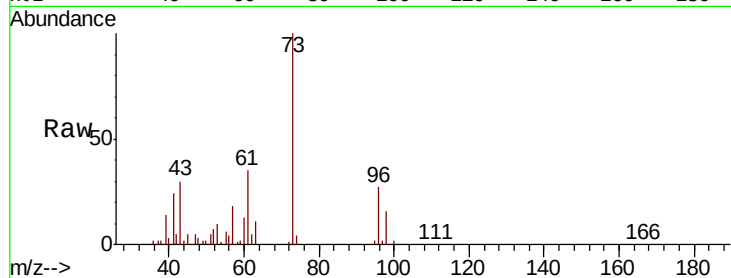




#19
Methyl tert-butyl Ether
Concen: 21.837 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

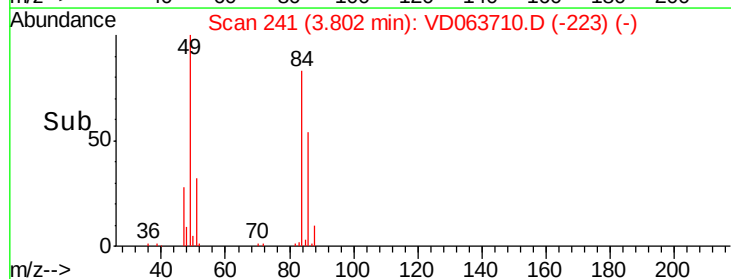
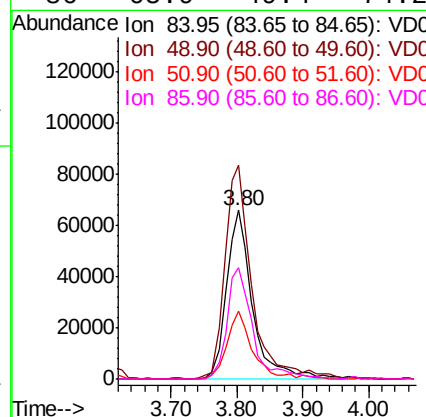
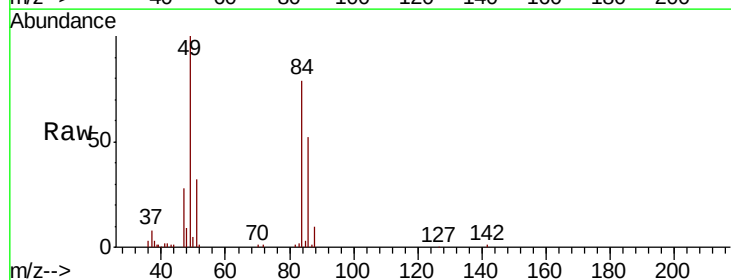
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

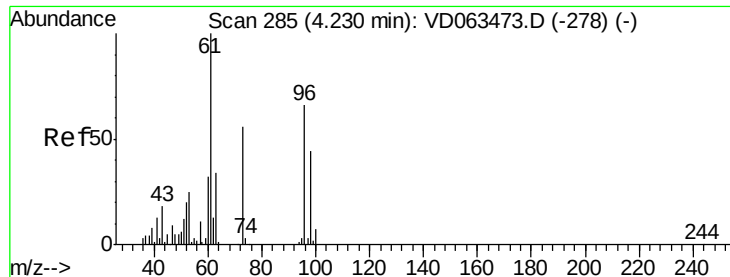
Tgt Ion: 73 Resp: 362251
Ion Ratio Lower Upper
73 100
57 18.0 14.0 21.0



#20
Methylene Chloride
Concen: 18.879 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 84 Resp: 182092
Ion Ratio Lower Upper
84 100
49 126.7 103.4 155.2
51 40.1 28.5 42.7
86 65.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.243 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

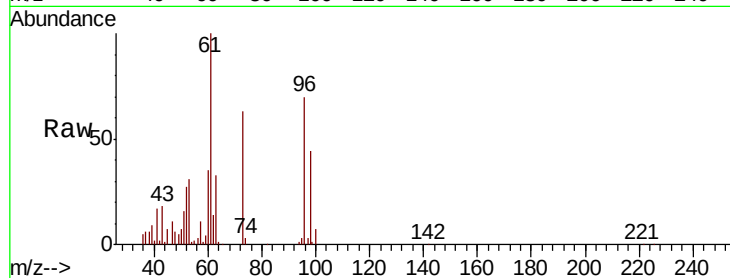
Tgt Ion: 96 Resp: 176704

Ion Ratio Lower Upper

96 100

61 142.4 121.7 182.5

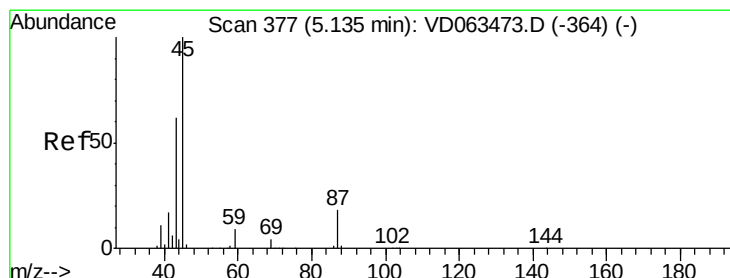
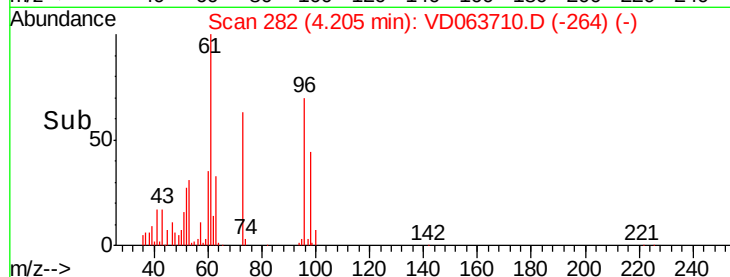
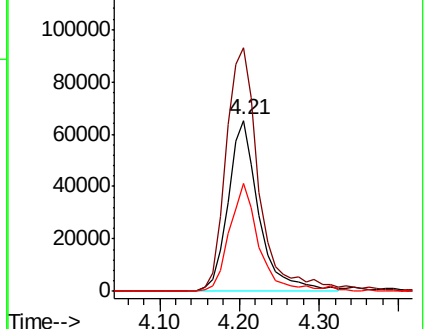
98 63.2 54.2 81.2



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: 20.199 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Tgt Ion: 45 Resp: 519762

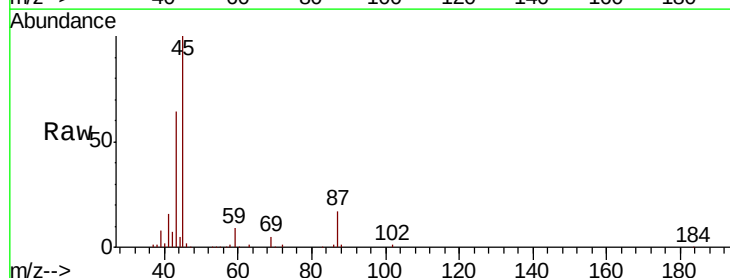
Ion Ratio Lower Upper

45 100

43 64.5 50.3 75.5

87 17.2 14.3 21.5

59 9.4 7.7 11.5

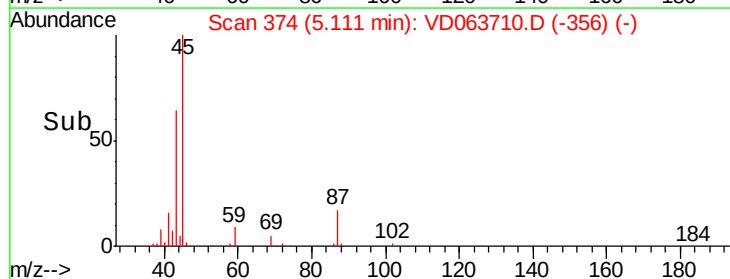
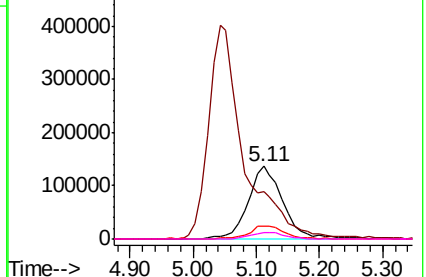


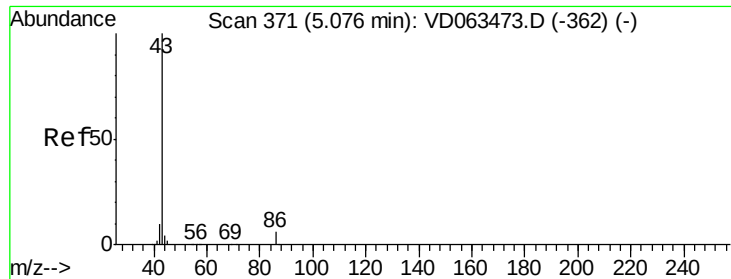
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.013 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

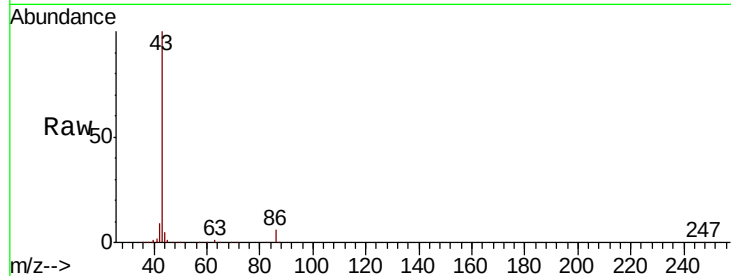
VD0821SBSD01

Tgt Ion: 43 Resp: 1570911

Ion Ratio Lower Upper

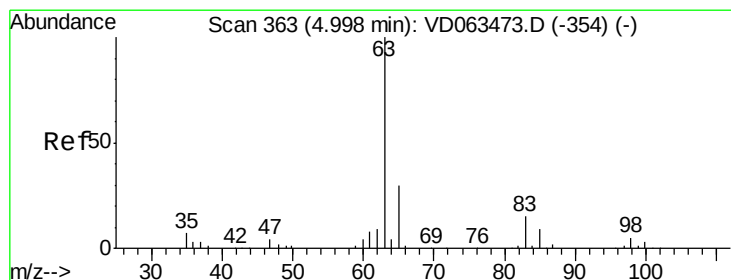
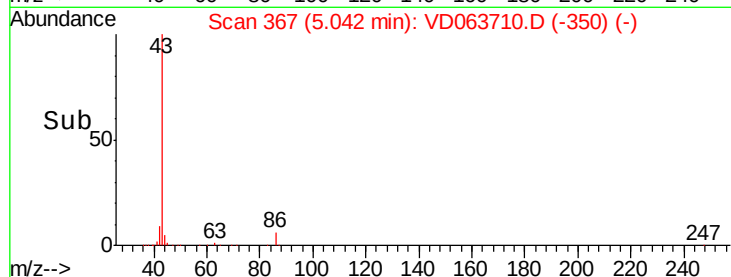
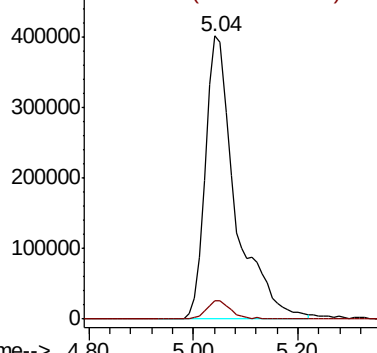
43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.338 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.03 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

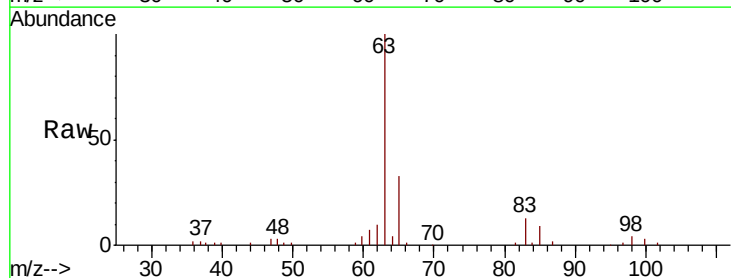
Tgt Ion: 63 Resp: 324592

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.2

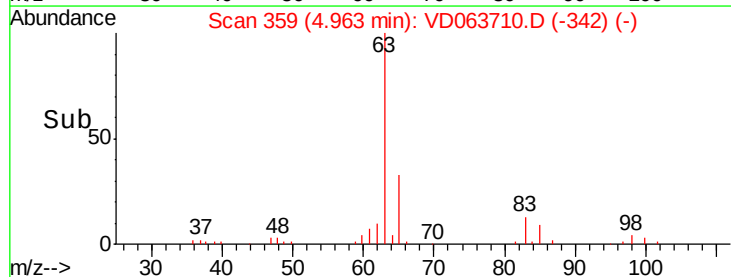
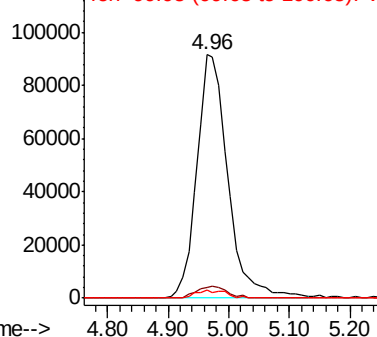
100 3.2 1.3 3.8

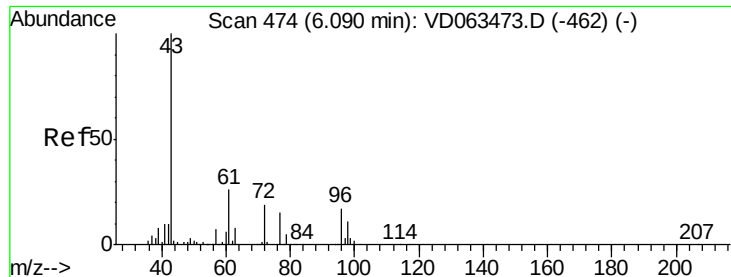


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.885 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

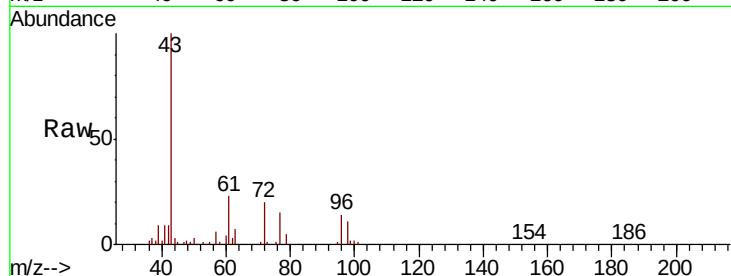
VD0821SBSD01

Tgt Ion: 43 Resp: 237673

Ion Ratio Lower Upper

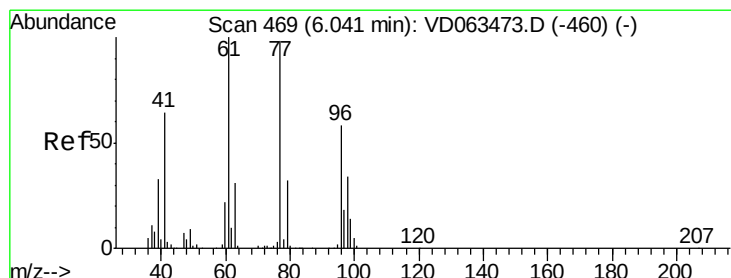
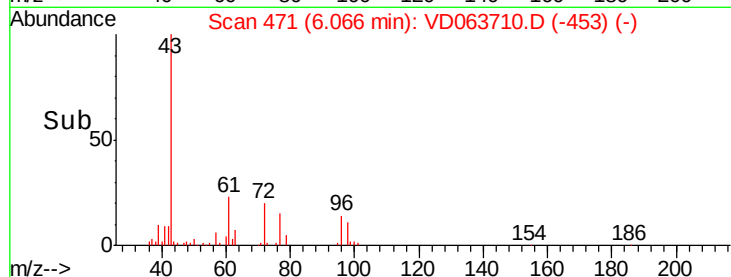
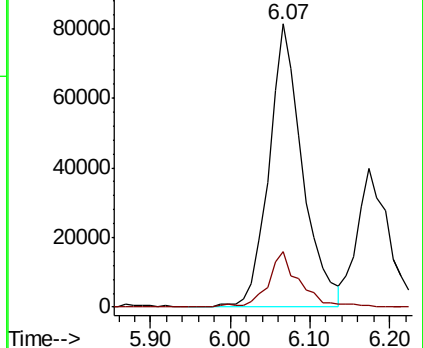
43 100

72 19.7 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.911 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD063710.D

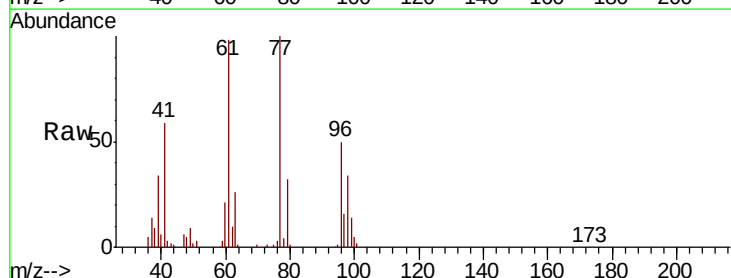
Acq: 21 Aug 2019 13:58

Tgt Ion: 77 Resp: 332411

Ion Ratio Lower Upper

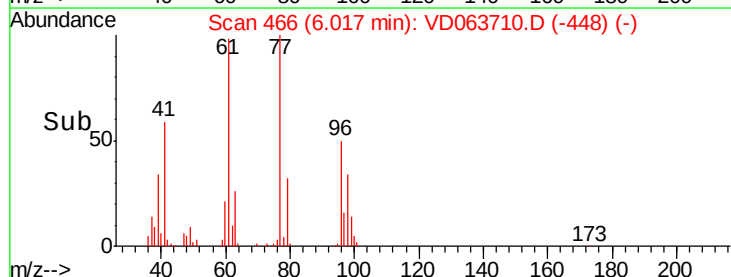
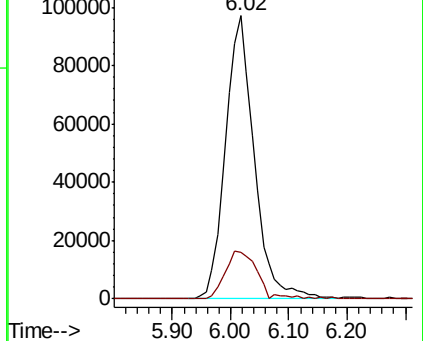
77 100

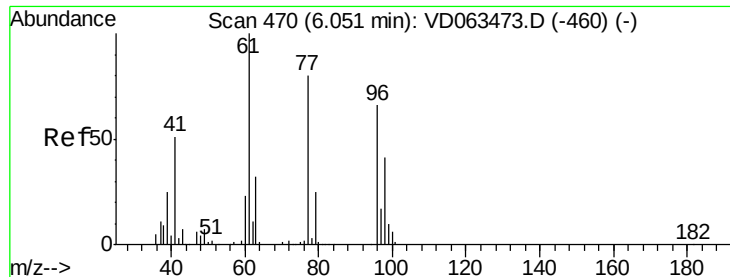
97 16.5 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



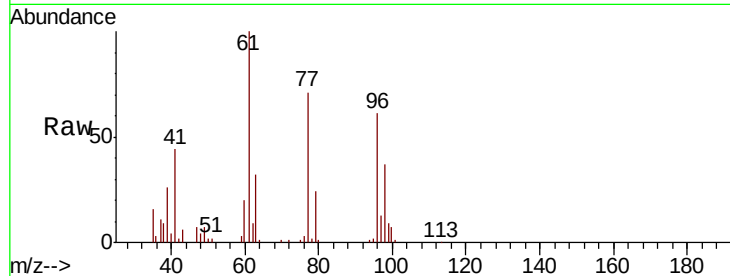


#27

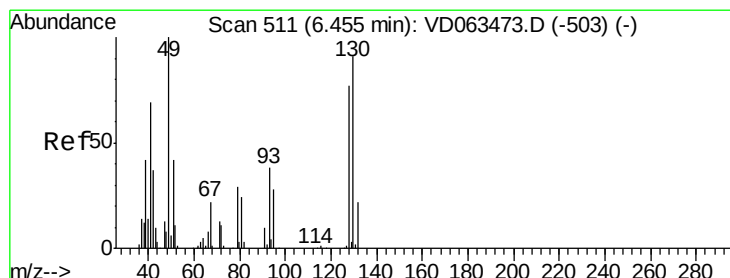
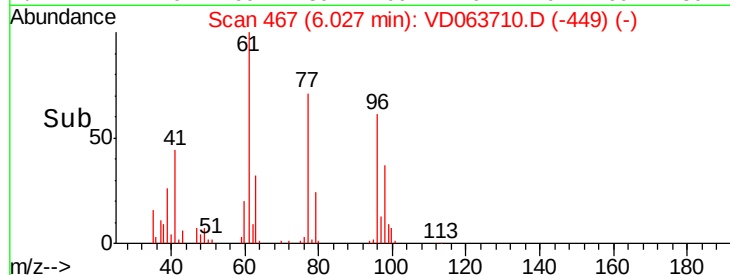
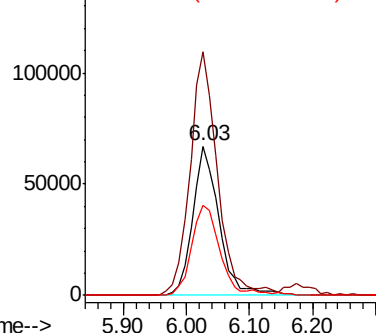
cis-1,2-Dichloroethene
Concen: 20.286 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tgt Ion	Resp	Lower	Upper
96	193741		
61	163.3	0.0	304.0
98	60.4	0.0	124.8



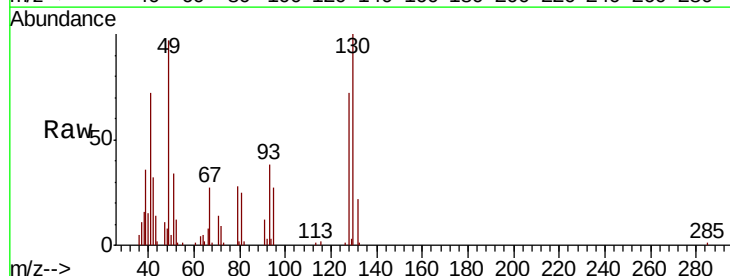
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



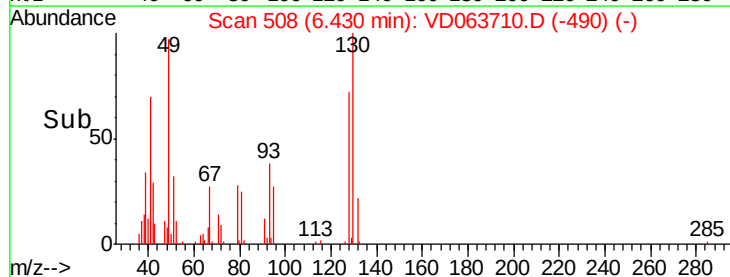
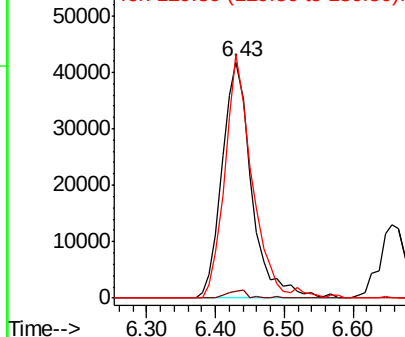
#28

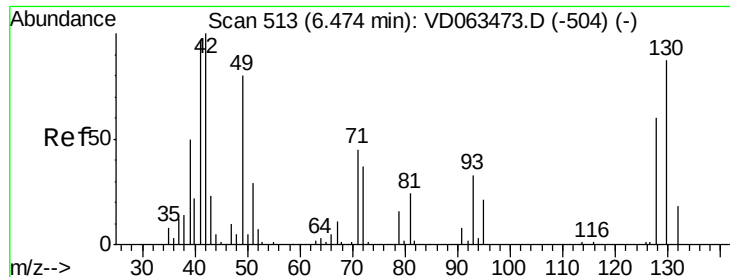
Bromochloromethane
Concen: 19.098 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion	Resp	Lower	Upper
49	123532		
129	2.9	0.0	6.4
130	103.2	72.4	108.6



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: 103.240 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

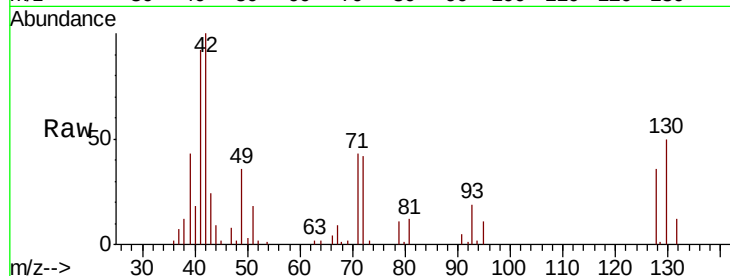
Tgt Ion: 42 Resp: 105982

Ion Ratio Lower Upper

42 100

72 40.0 31.5 47.3

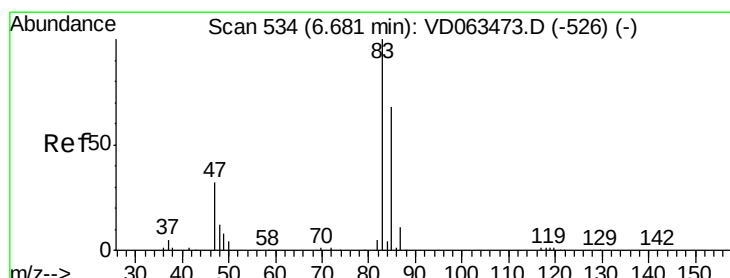
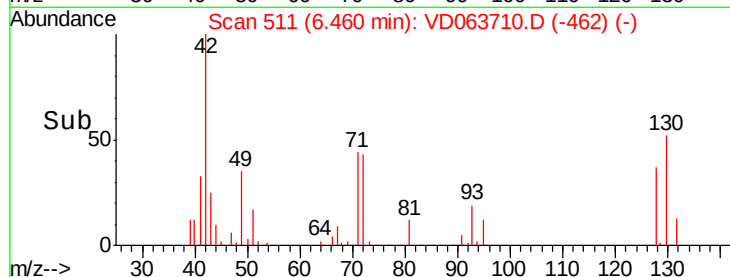
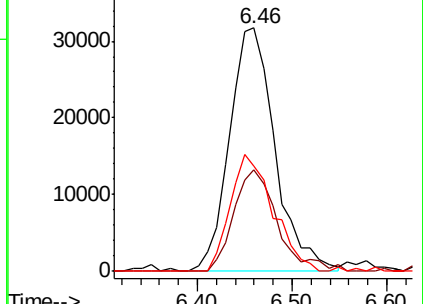
71 44.8 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.743 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063710.D

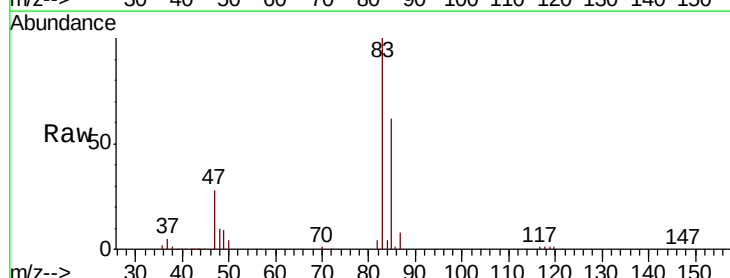
Acq: 21 Aug 2019 13:58

Tgt Ion: 83 Resp: 411489

Ion Ratio Lower Upper

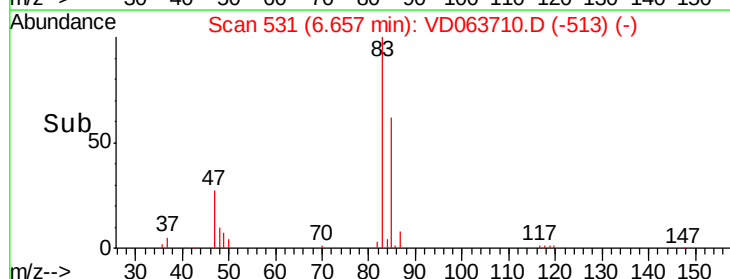
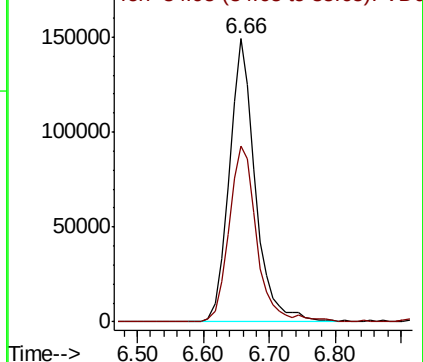
83 100

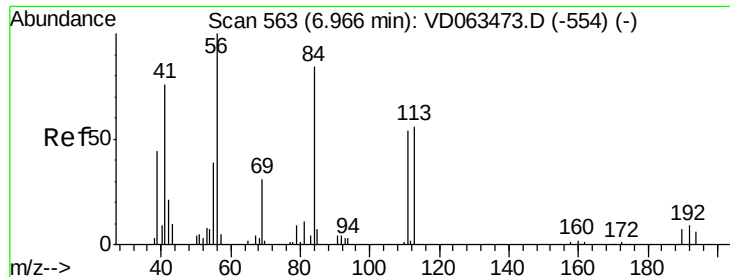
85 62.0 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

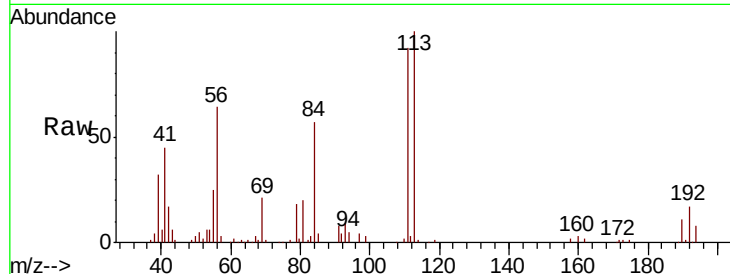




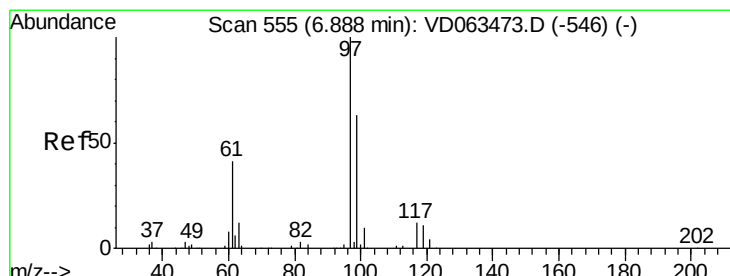
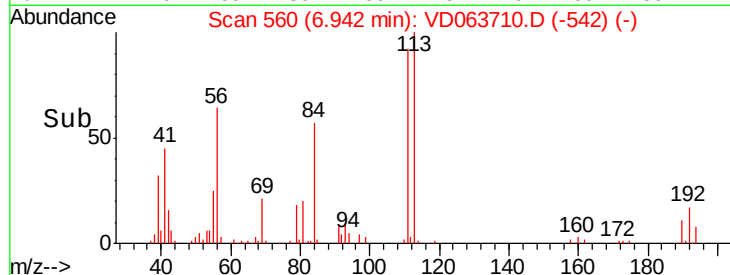
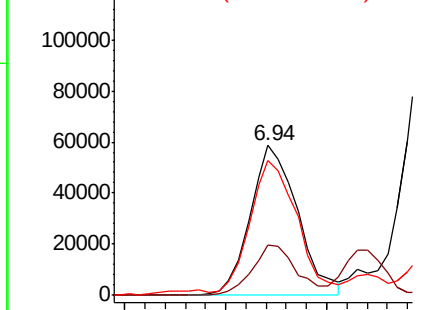
#31
Cyclohexane
Concen: 19.355 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tgt Ion: 56 Resp: 191762
Ion Ratio Lower Upper
56 100
69 33.8 25.0 37.6
84 89.9 69.7 104.5

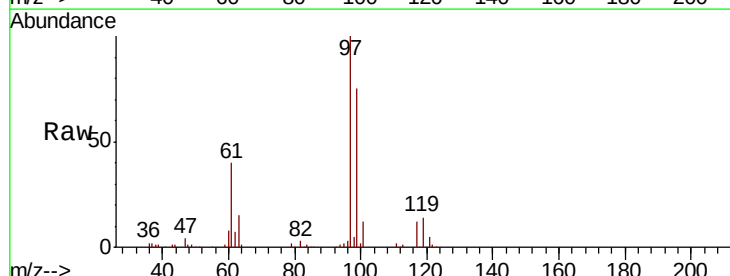


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

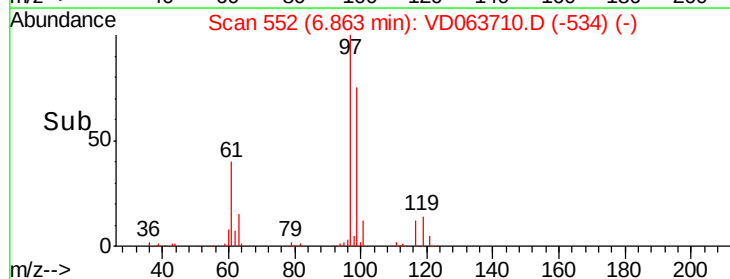
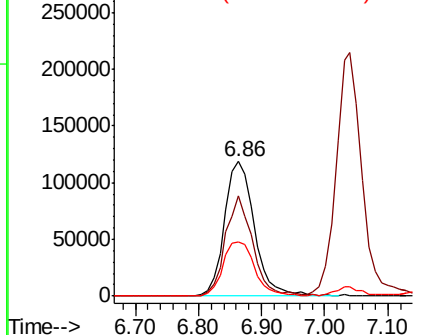


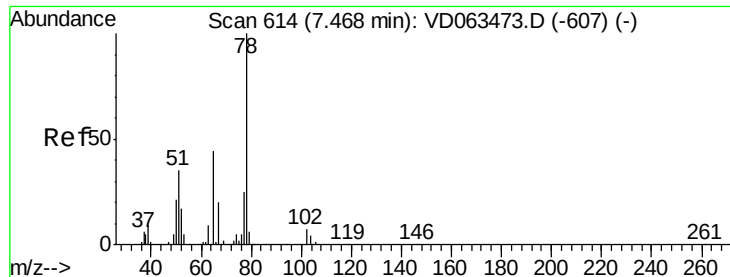
#32
1,1,1-Trichloroethane
Concen: 20.606 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 97 Resp: 391030
Ion Ratio Lower Upper
97 100
99 74.5 50.2 75.4
61 40.1 33.1 49.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

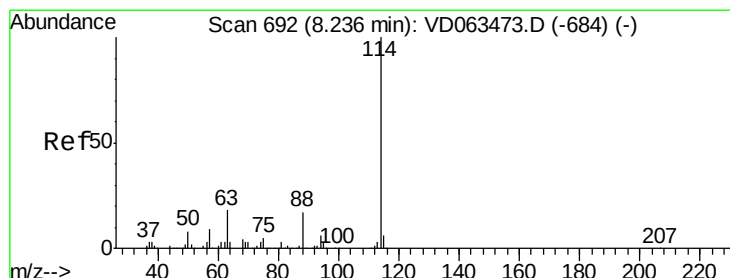
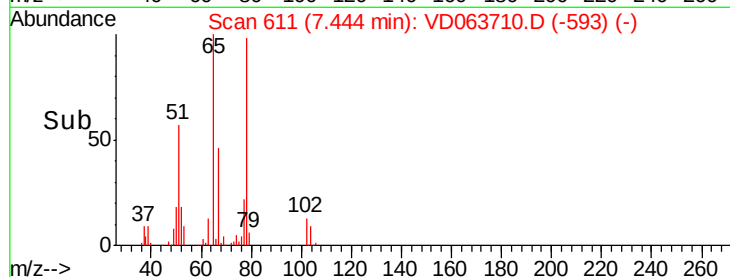
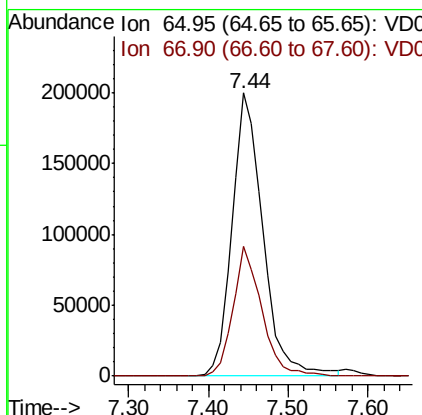
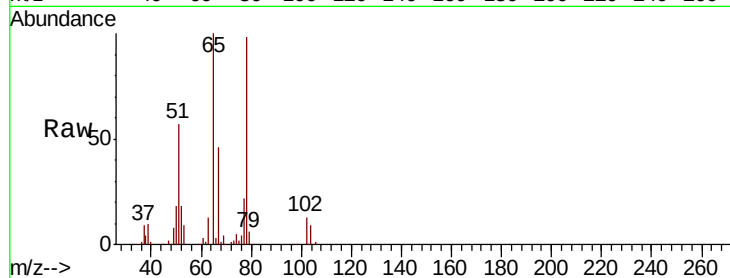




#33
 1,2-Dichloroethane-d4
 Concen: 49.107 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

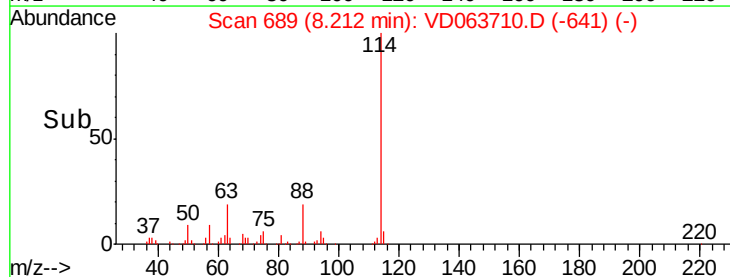
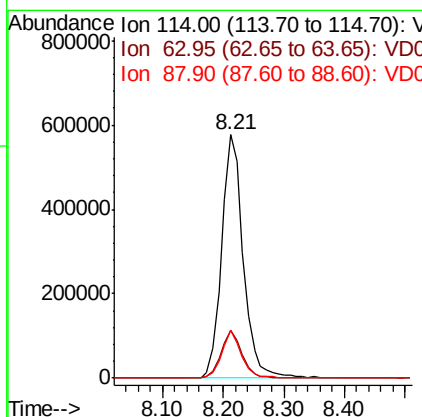
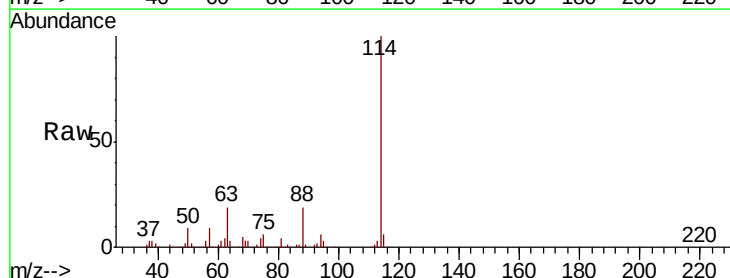
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

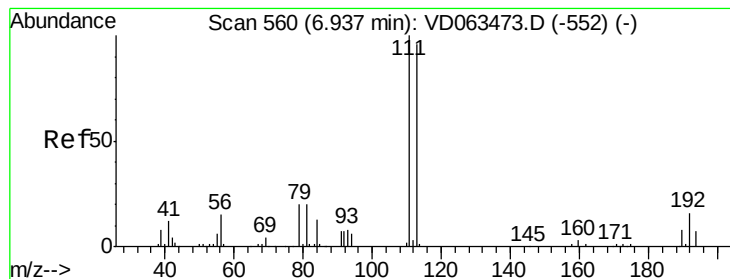
Tgt Ion: 65 Resp: 538858
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 114 Resp: 1432508
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.2
 88 19.4 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.473 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

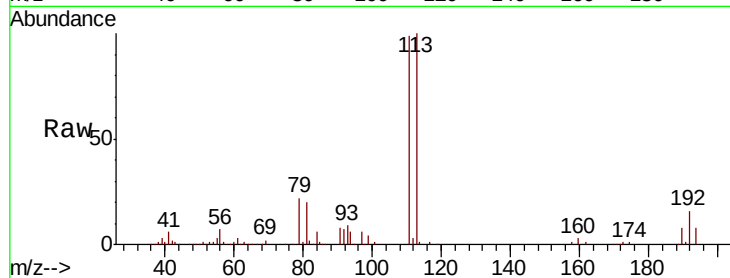
Tgt Ion:113 Resp: 608940

Ion Ratio Lower Upper

113 100

111 98.7 83.1 124.7

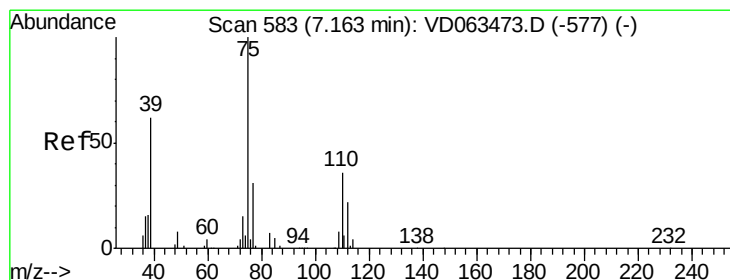
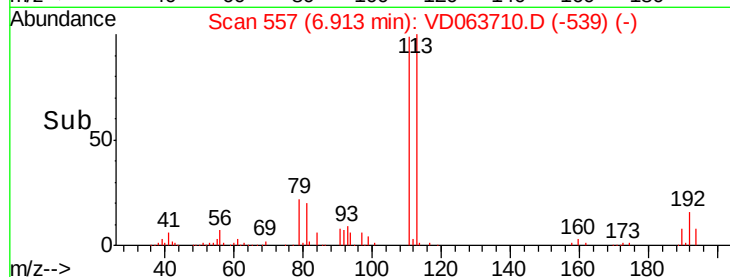
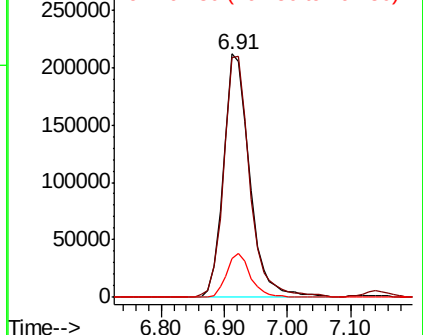
192 16.0 13.1 19.7



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: 20.207 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

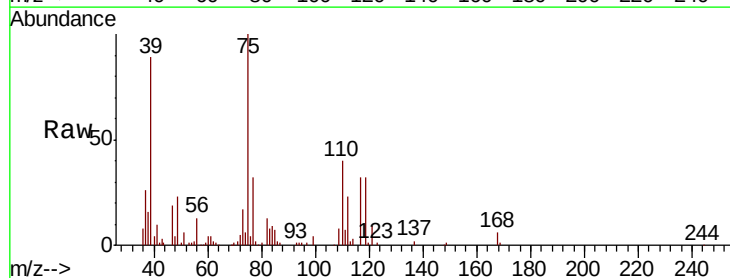
Tgt Ion: 75 Resp: 255893

Ion Ratio Lower Upper

75 100

110 39.9 17.6 52.8

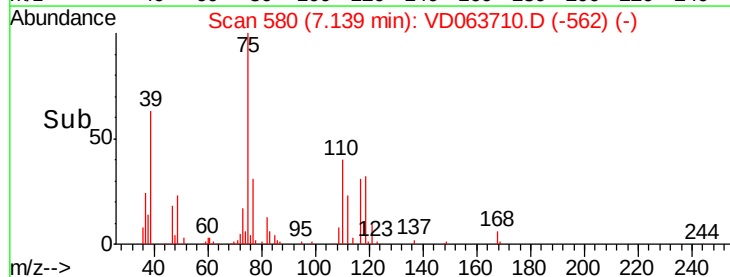
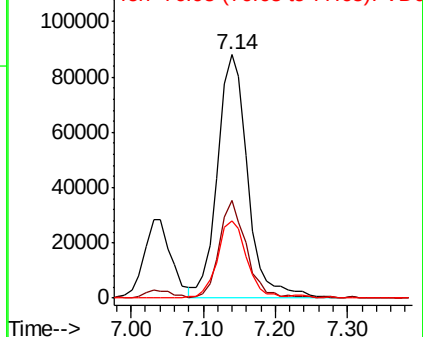
77 31.6 24.3 36.5

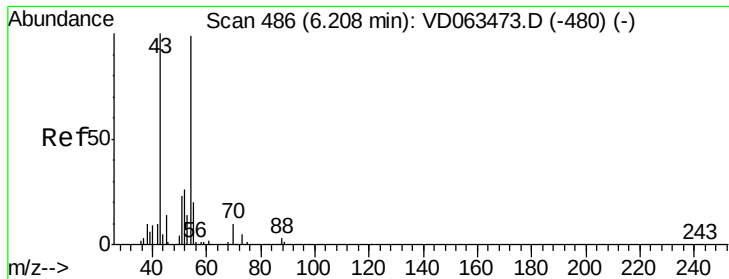


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

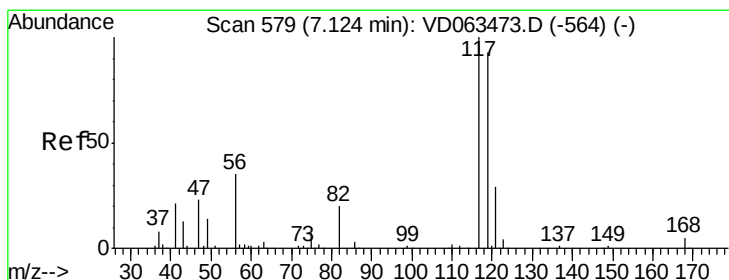
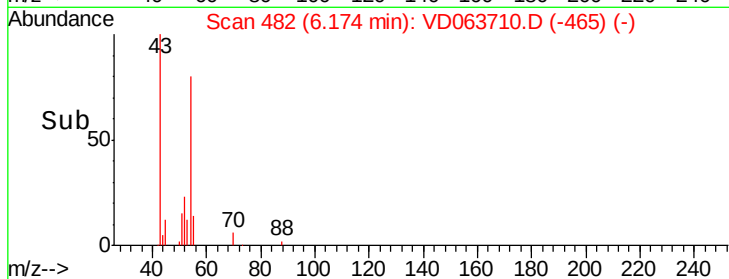
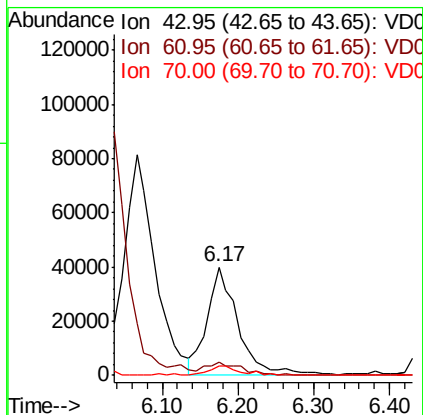
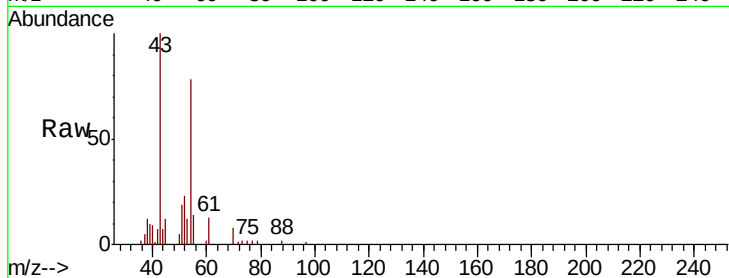




#37
 Ethyl Acetate
 Concen: 20.804 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.03 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

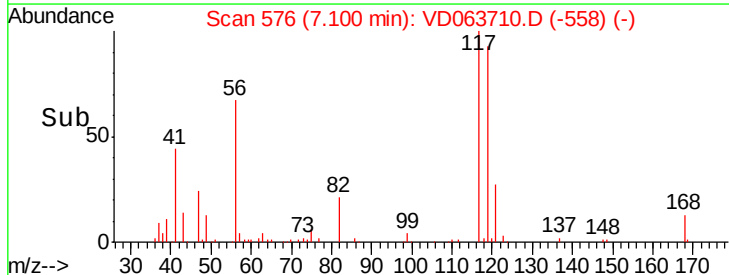
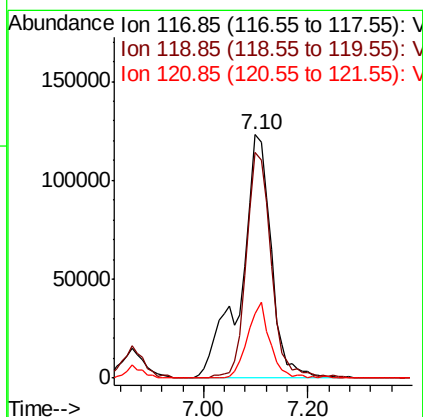
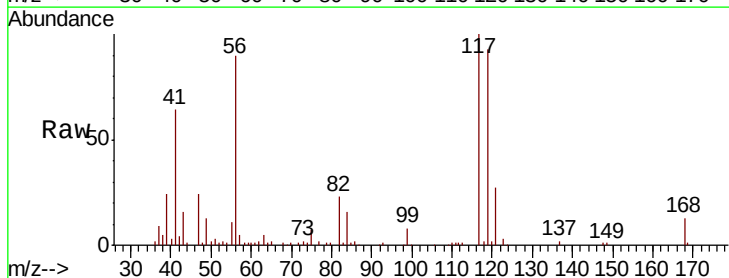
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

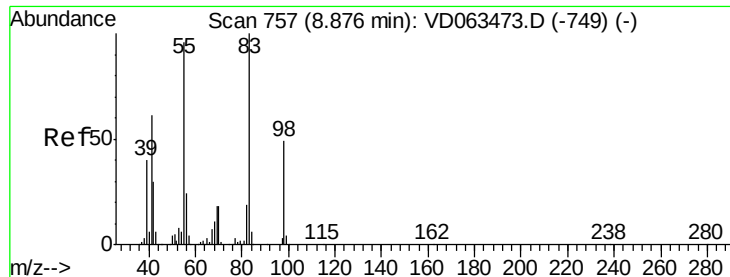
Tgt Ion: 43 Resp: 110395
 Ion Ratio Lower Upper
 43 100
 61 12.8 9.0 13.6
 70 8.1 6.9 10.3



#38
 Carbon Tetrachloride
 Concen: 25.211 ug/l
 RT: 7.10 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 117 Resp: 481174
 Ion Ratio Lower Upper
 117 100
 119 92.6 74.2 111.2
 121 26.6 23.1 34.7

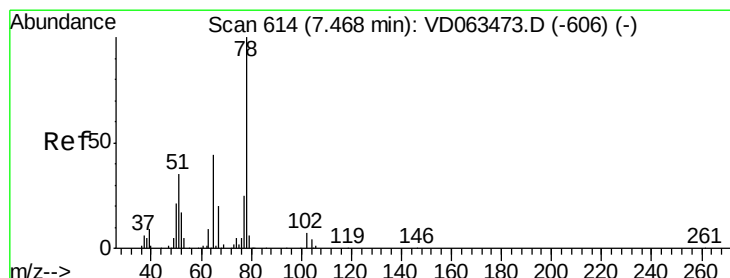
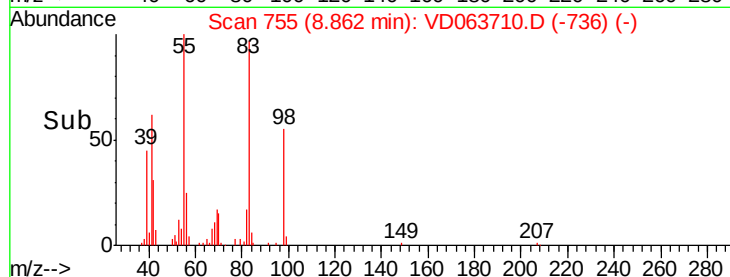
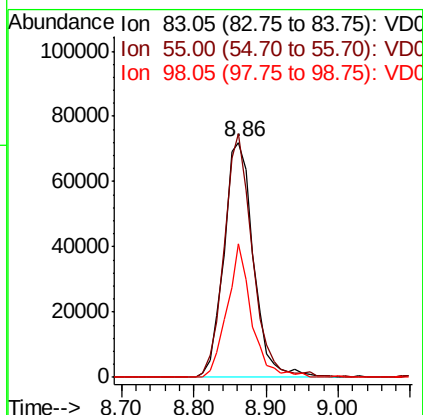
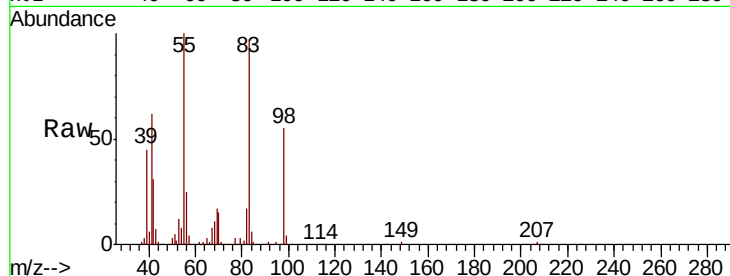




#39
Methylcyclohexane
Concen: 18.996 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

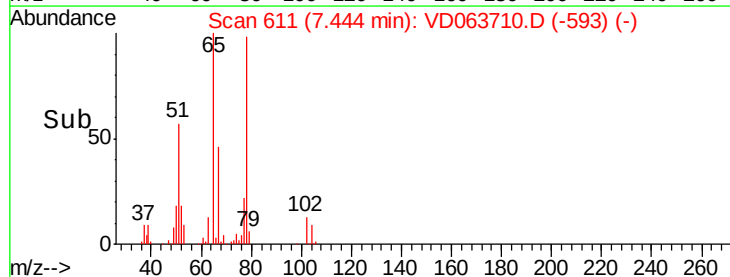
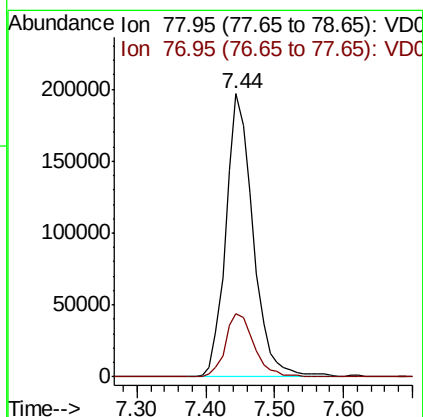
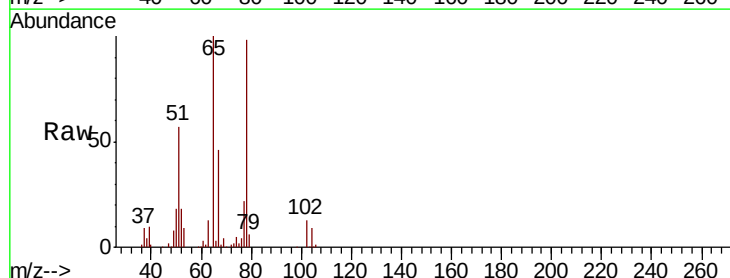
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

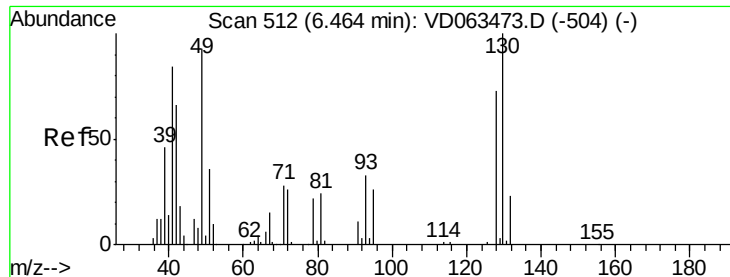
Tgt Ion: 83 Resp: 204553
Ion Ratio Lower Upper
83 100
55 103.5 76.6 114.8
98 56.9 39.4 59.0



#40
Benzene
Concen: 19.333 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 78 Resp: 538779
Ion Ratio Lower Upper
78 100
77 22.1 20.1 30.1





#41

Methacrylonitrile

Concen: 21.159 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

Tgt Ion: 41 Resp: 141375

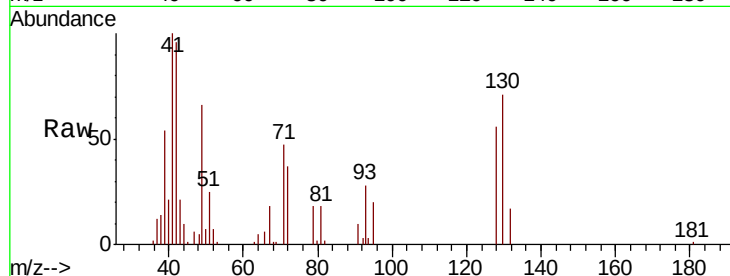
Ion Ratio Lower Upper

41 100

39 54.0 44.6 66.8

67 17.6 14.4 21.6

52 7.2 9.3 13.9#

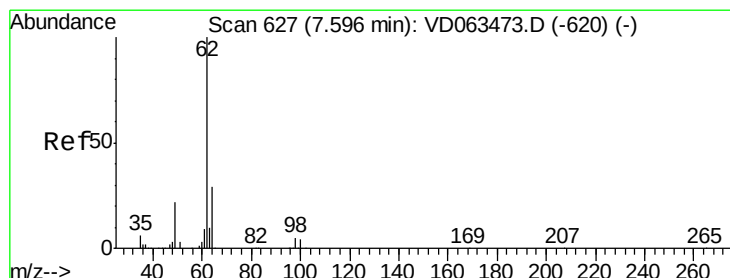
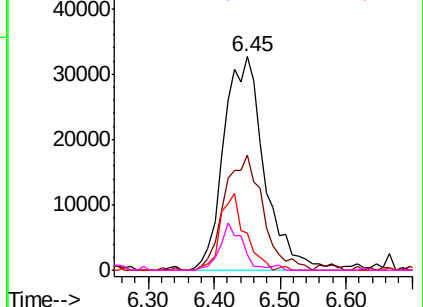
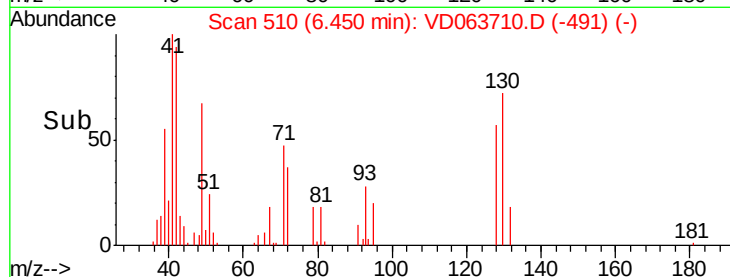


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.157 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.02 min

Lab File: VD063710.D

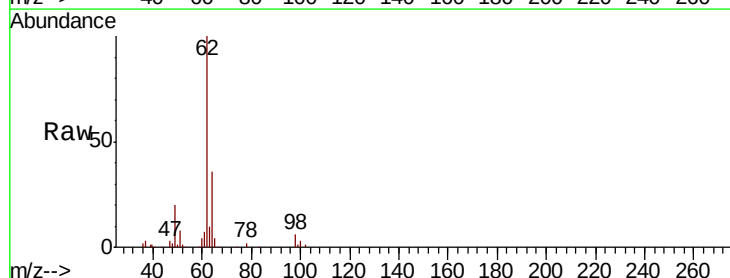
Acq: 21 Aug 2019 13:58

Tgt Ion: 62 Resp: 282462

Ion Ratio Lower Upper

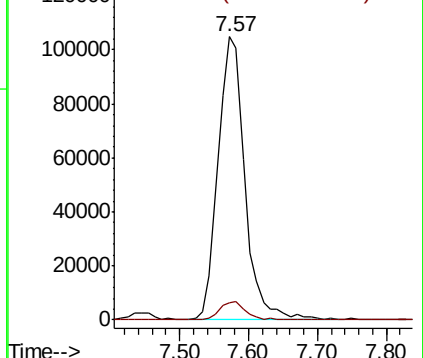
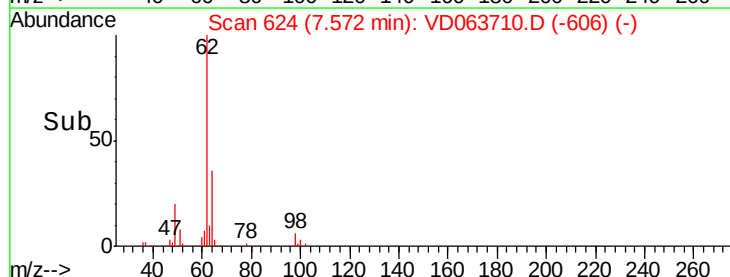
62 100

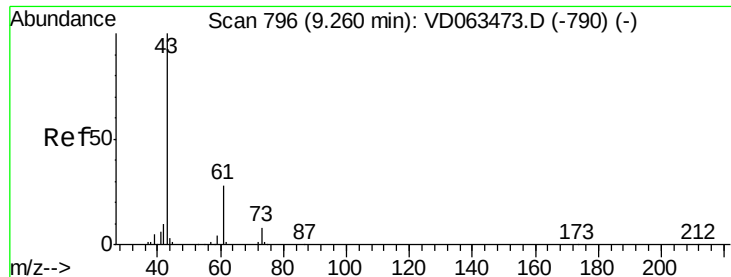
98 6.2 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.429 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

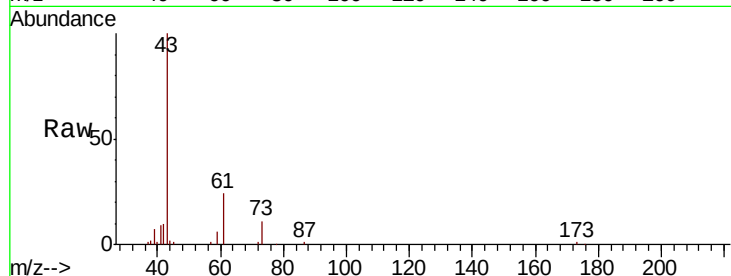
Tgt Ion: 43 Resp: 145193

Ion Ratio Lower Upper

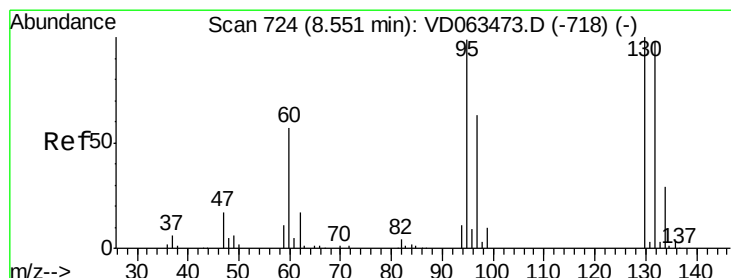
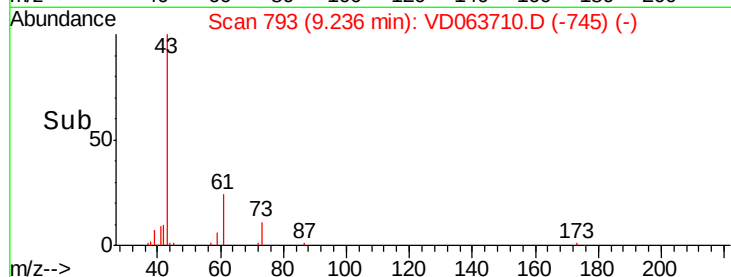
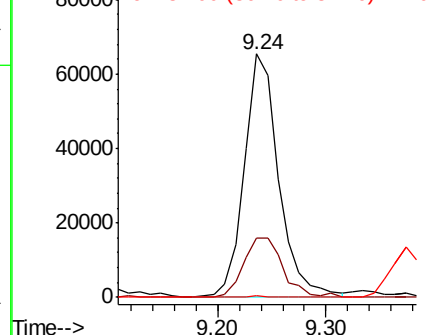
43 100

61 24.1 22.2 33.2

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: 20.036 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063710.D

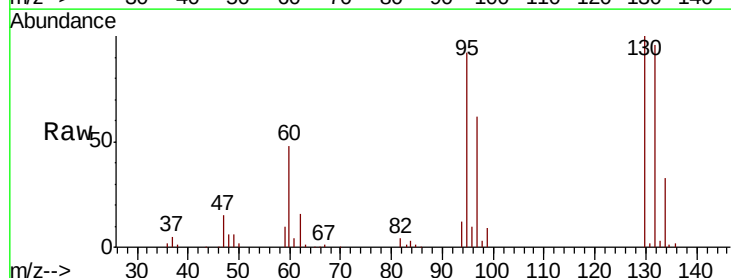
Acq: 21 Aug 2019 13:58

Tgt Ion: 130 Resp: 213423

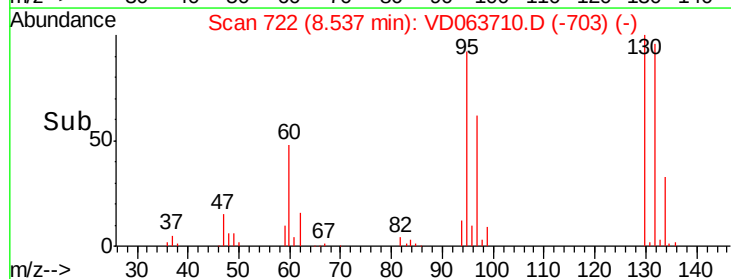
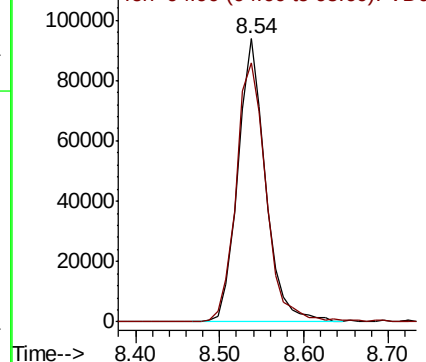
Ion Ratio Lower Upper

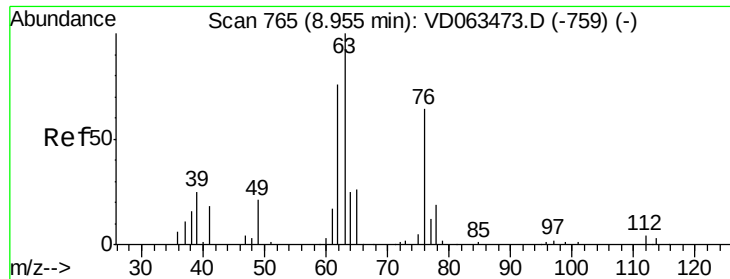
130 100

95 91.6 0.0 198.0



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

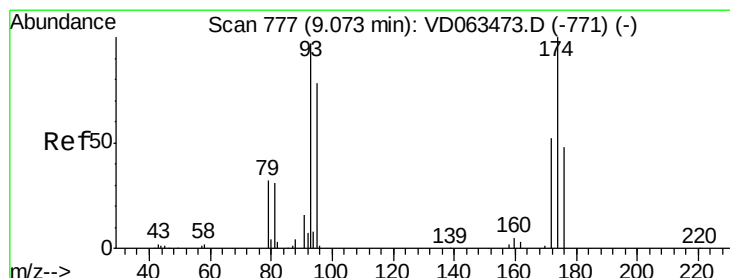
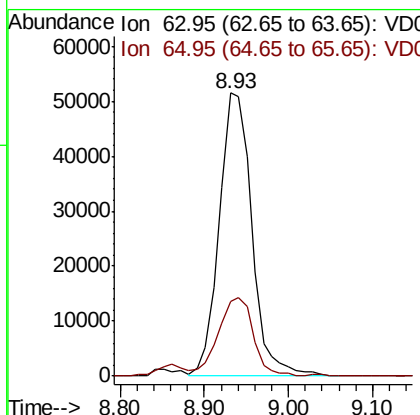
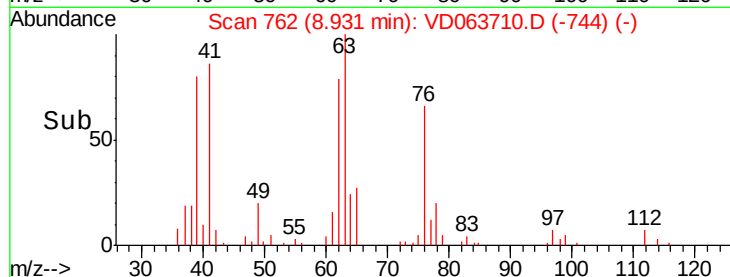
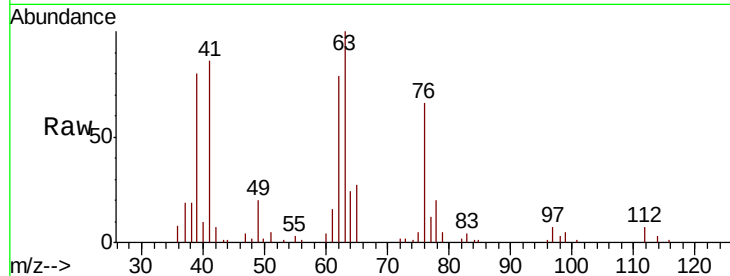




#45
 1,2-Dichloropropane
 Concen: 21.381 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

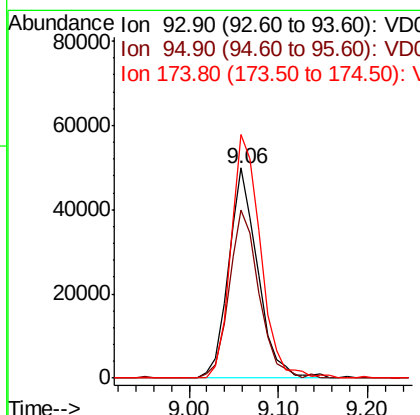
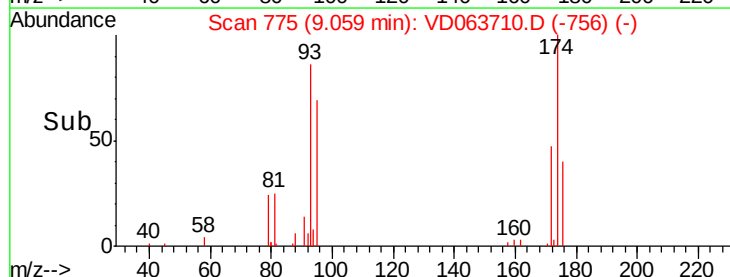
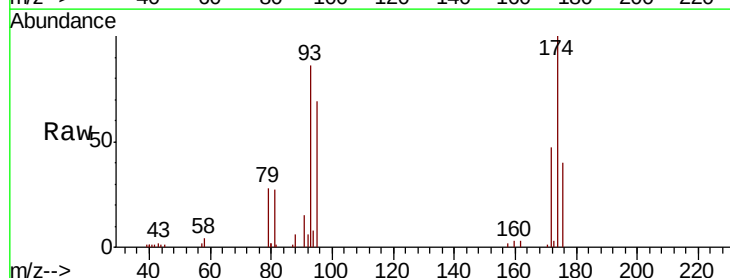
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

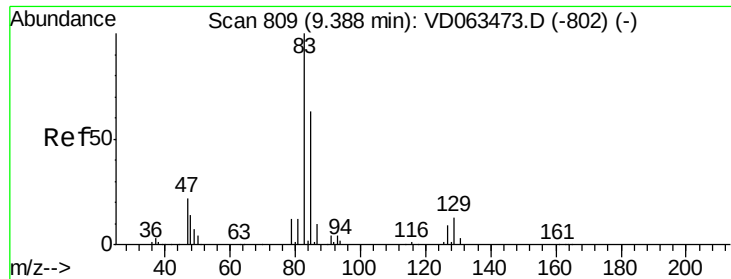
Tgt Ion: 63 Resp: 138759
 Ion Ratio Lower Upper
 63 100
 65 26.6 22.5 33.7



#46
 Dibromomethane
 Concen: 20.569 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 93 Resp: 113997
 Ion Ratio Lower Upper
 93 100
 95 80.2 64.2 96.2
 174 116.0 82.1 123.1





#47

Bromodichloromethane

Concen: 21.413 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

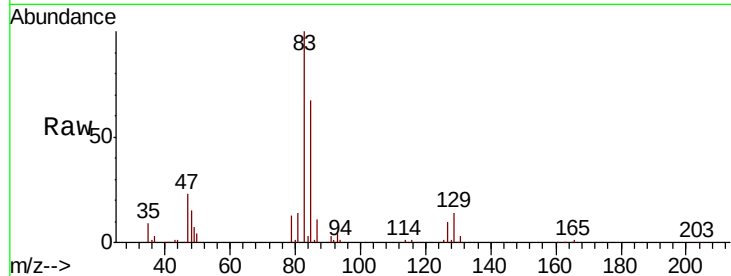
Tgt Ion: 83 Resp: 304410

Ion Ratio Lower Upper

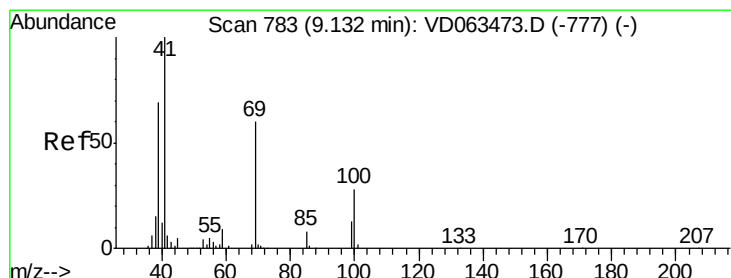
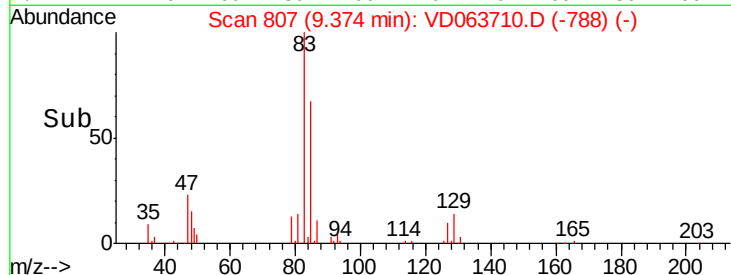
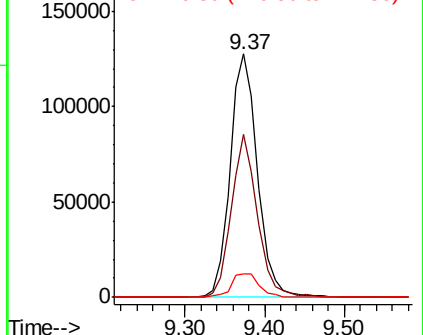
83 100

85 66.9 50.1 75.1

127 9.7 7.6 11.4



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



#48

Methyl methacrylate

Concen: 20.682 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

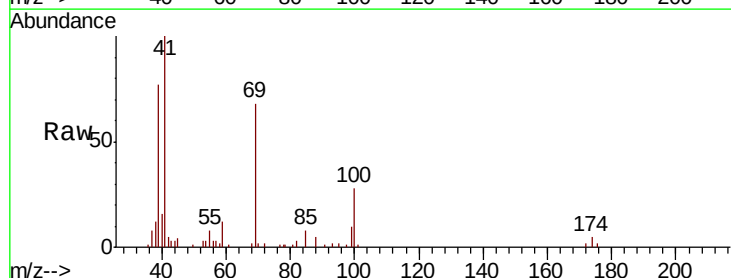
Tgt Ion: 41 Resp: 99683

Ion Ratio Lower Upper

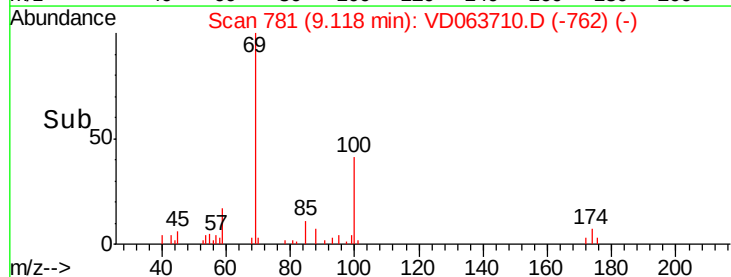
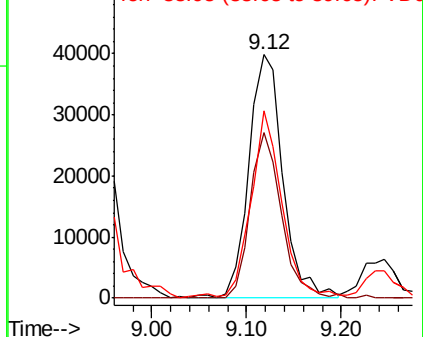
41 100

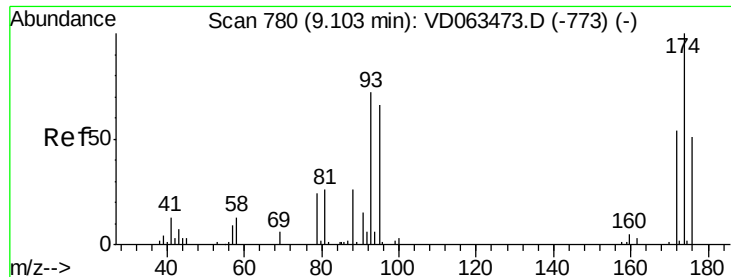
69 68.1 47.6 71.4

39 77.0 55.7 83.5



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

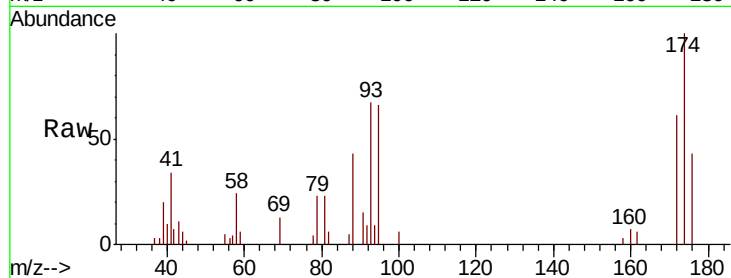




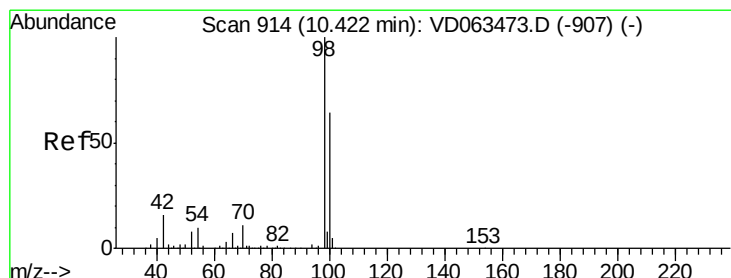
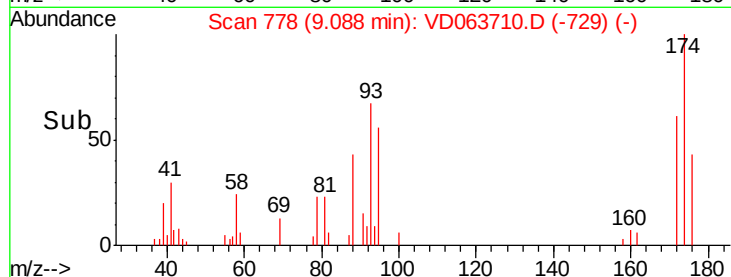
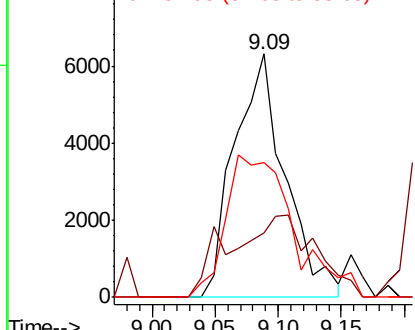
#49
 1,4-Dioxane
 Concen: 424.741 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tgt Ion: 88 Resp: 17653
 Ion Ratio Lower Upper
 88 100
 43 26.4 22.9 34.3
 58 55.3 40.1 60.1

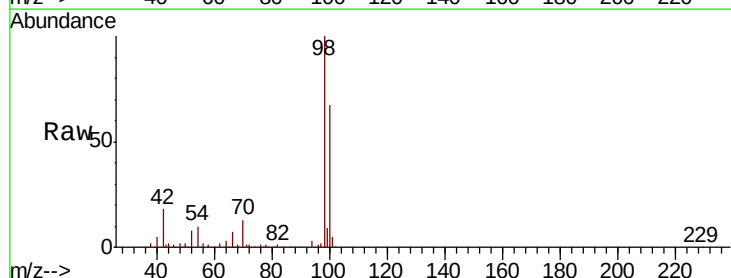


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

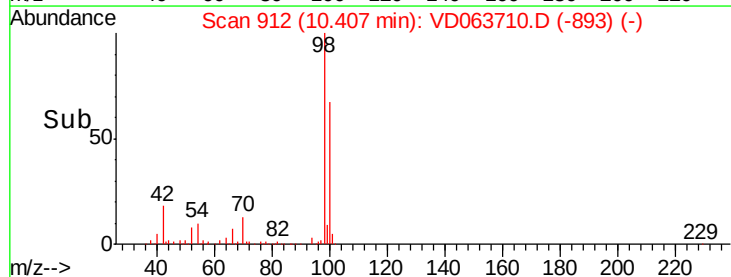
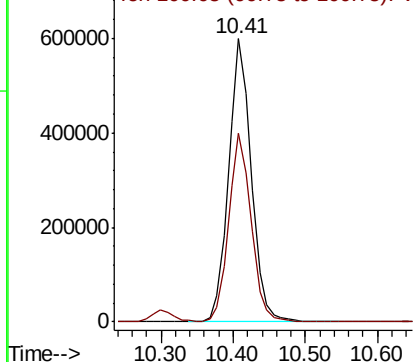


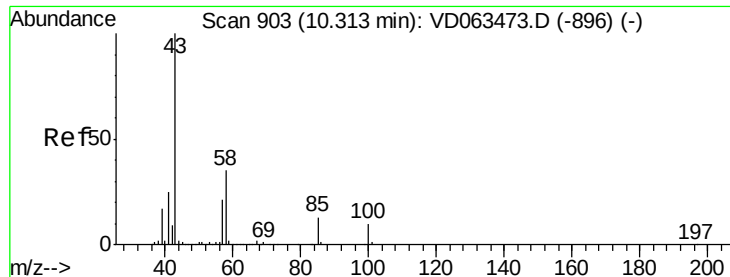
#50
 Toluene-d8
 Concen: 49.401 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 98 Resp: 1310351
 Ion Ratio Lower Upper
 98 100
 100 66.7 51.7 77.5



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: 106.035 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

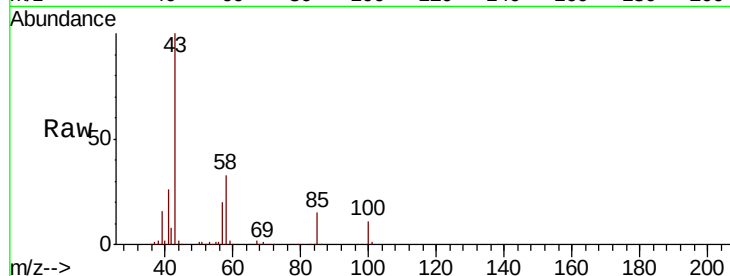
VD0821SBS01

Tgt Ion: 43 Resp: 515667

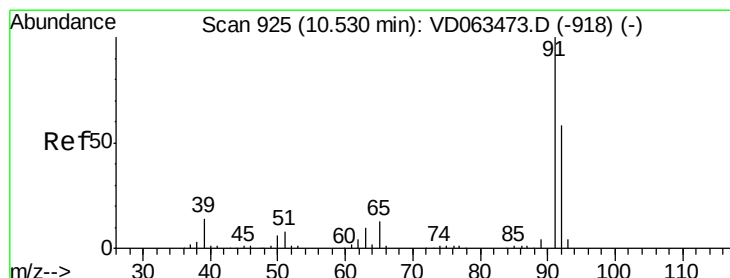
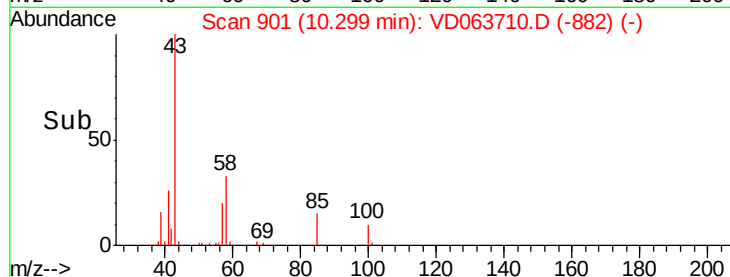
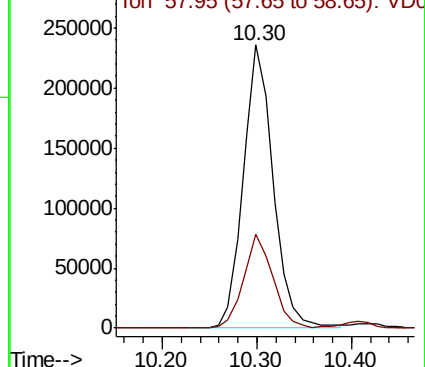
Ion Ratio Lower Upper

43 100

58 33.1 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 19.826 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD063710.D

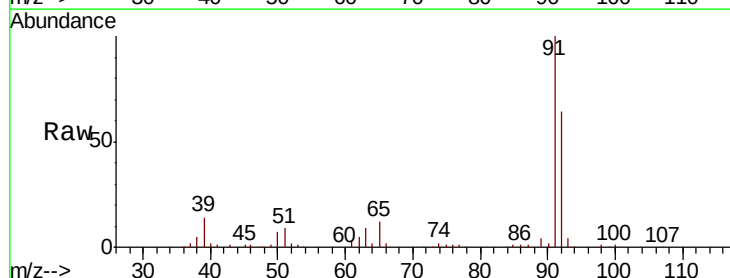
Acq: 21 Aug 2019 13:58

Tgt Ion: 92 Resp: 355875

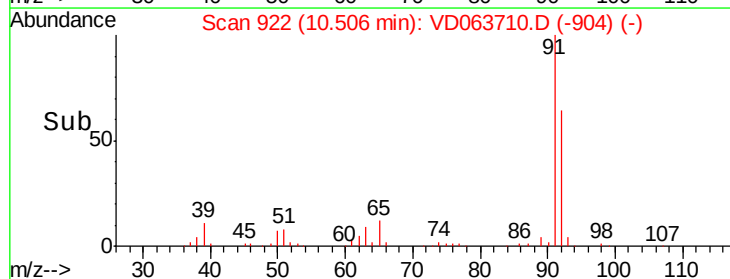
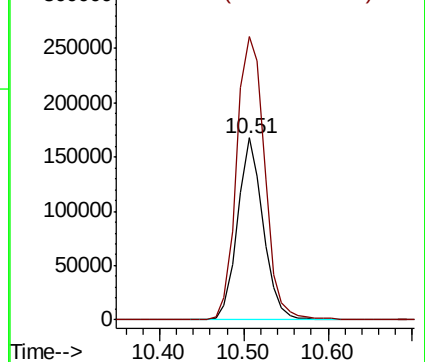
Ion Ratio Lower Upper

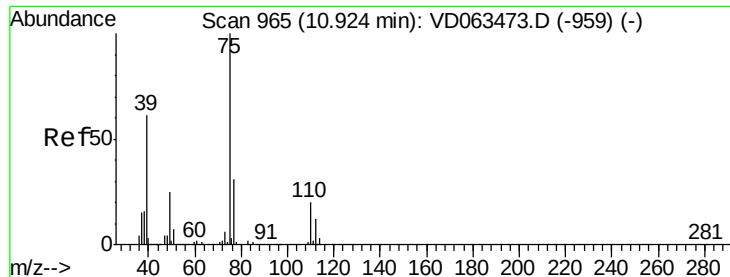
92 100

91 155.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

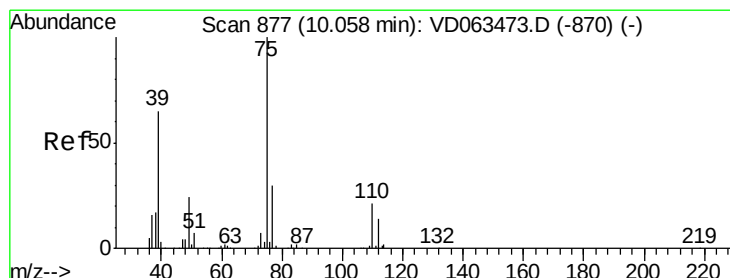
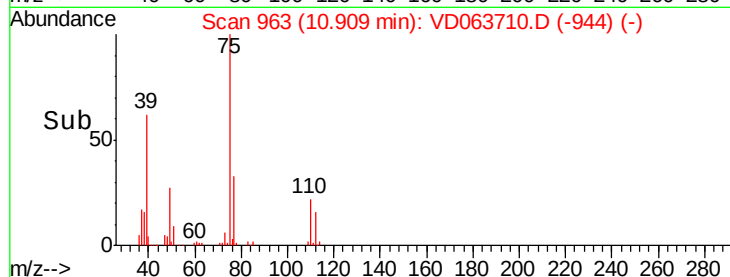
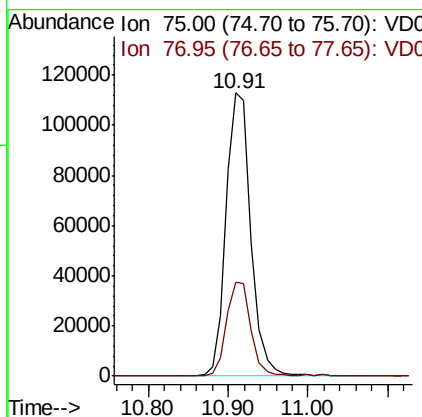
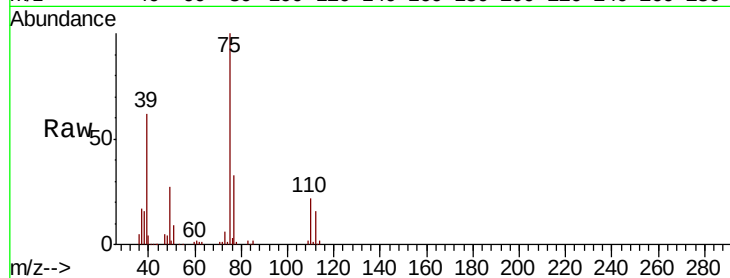




#53
 t-1,3-Dichloropropene
 Concen: 21.278 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

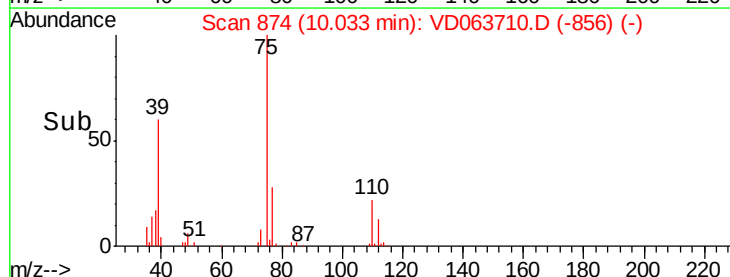
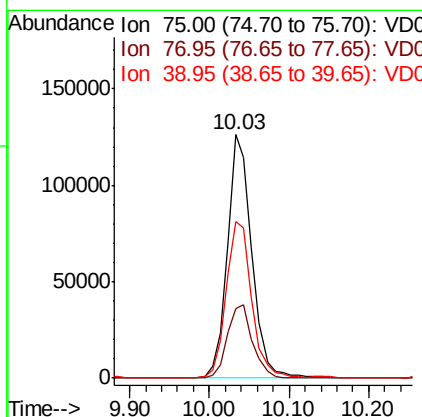
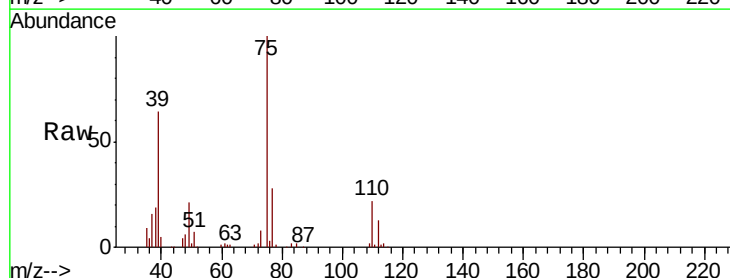
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

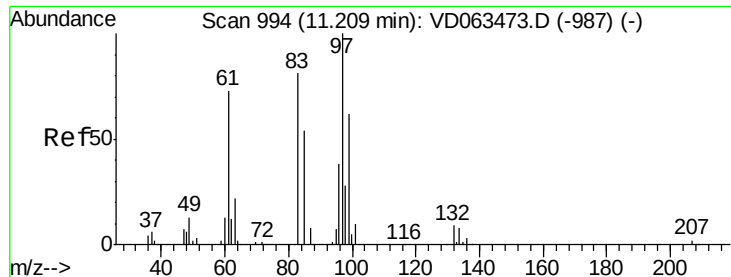
Tgt Ion: 75 Resp: 246872
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.763 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 75 Resp: 271618
 Ion Ratio Lower Upper
 75 100
 77 28.4 23.7 35.5
 39 64.2 52.2 78.4

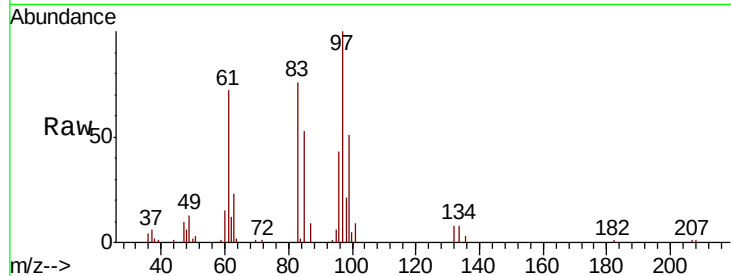




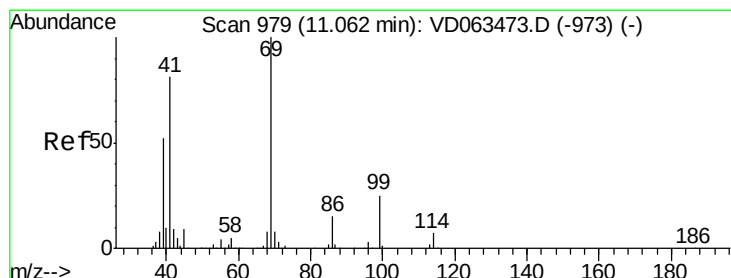
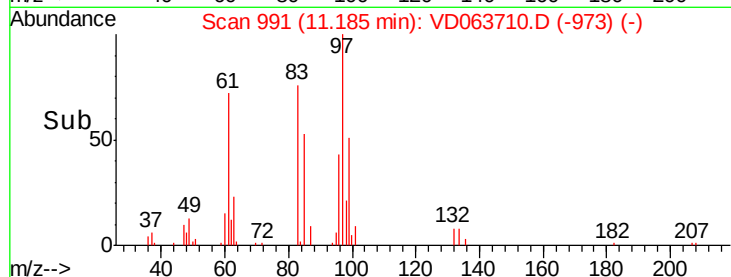
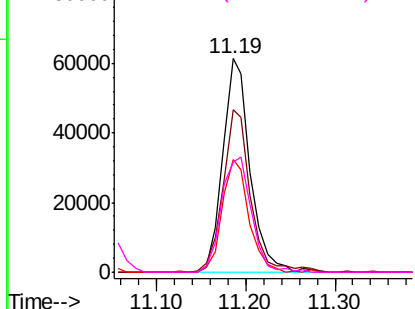
#55
 1,1,2-Trichloroethane
 Concen: 21.856 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tgt Ion:	97	Resp:	132522
Ion	Ratio	Lower	Upper
97	100		
83	76.0	64.7	97.1
85	52.8	42.9	64.3
99	51.5	49.7	74.5

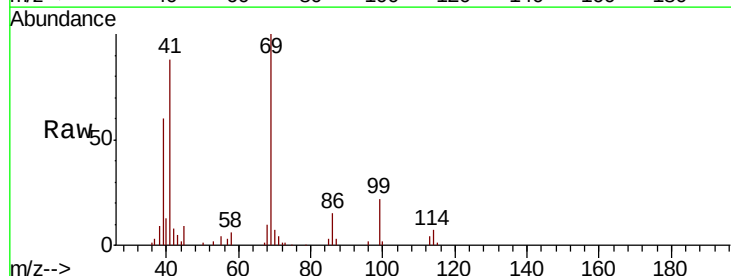


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

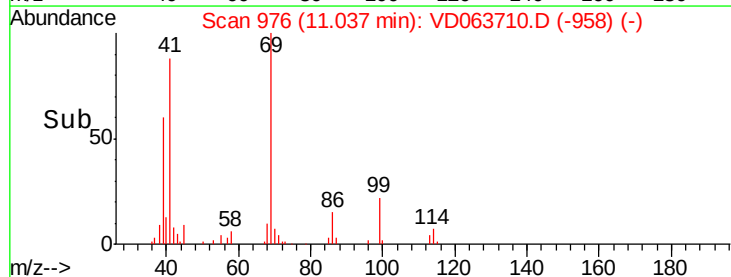
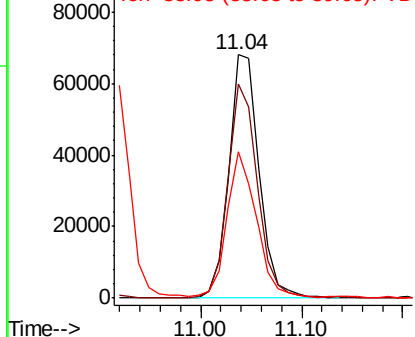


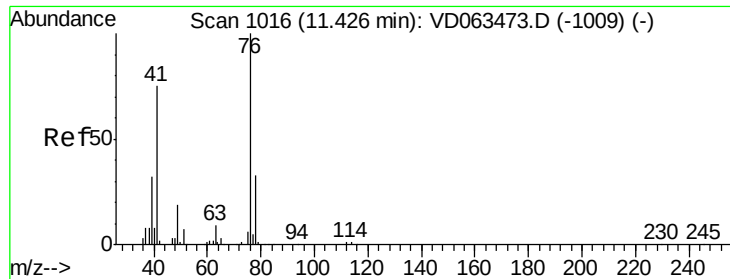
#56
 Ethyl methacrylate
 Concen: 21.404 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion:	69	Resp:	140860
Ion	Ratio	Lower	Upper
69	100		
41	88.1	64.8	97.2
39	60.0	42.4	63.6



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: 21.492 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

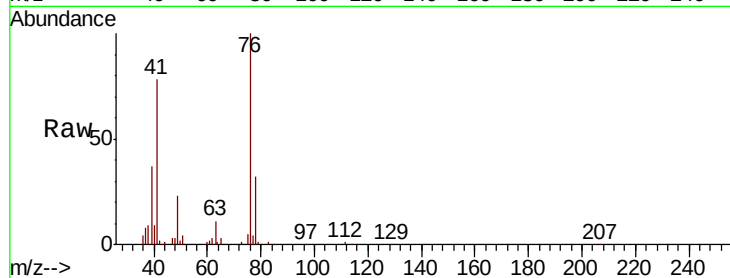
VD0821SBSD01

Tgt Ion: 76 Resp: 196983

Ion Ratio Lower Upper

76 100

78 32.1 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

100000

80000

60000

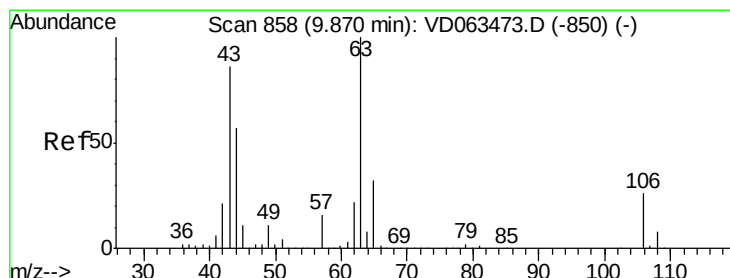
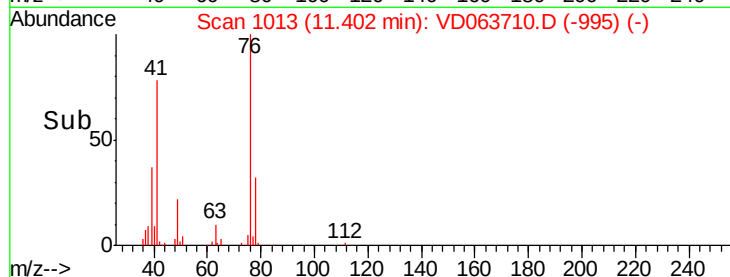
40000

20000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 106.963 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063710.D

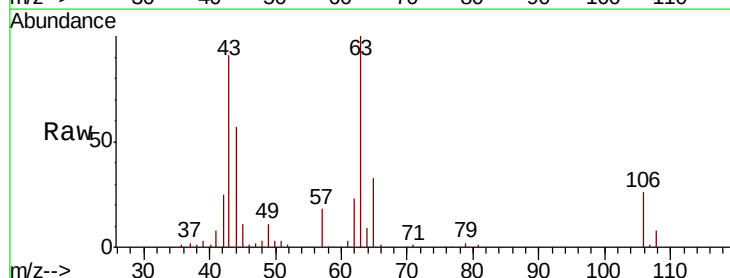
Acq: 21 Aug 2019 13:58

Tgt Ion: 63 Resp: 371633

Ion Ratio Lower Upper

63 100

106 26.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

200000

150000

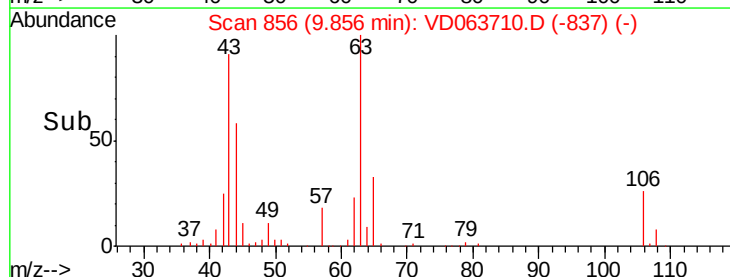
100000

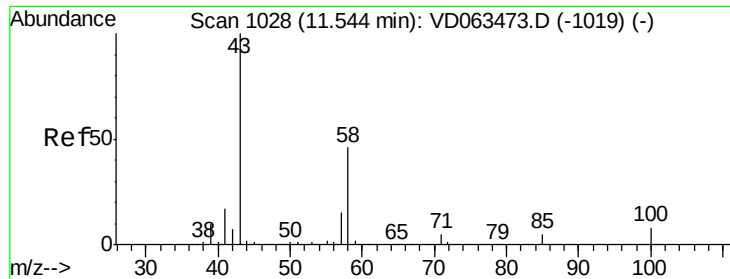
50000

0

Time-->

9.70 9.80 9.90 10.00

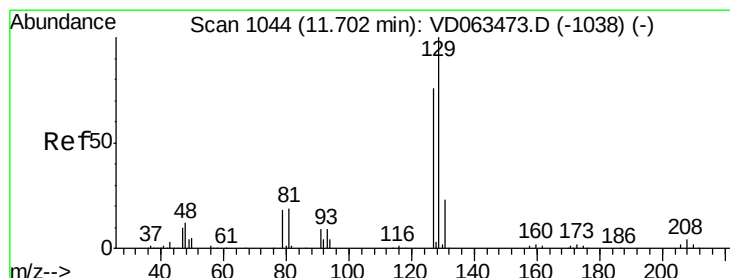
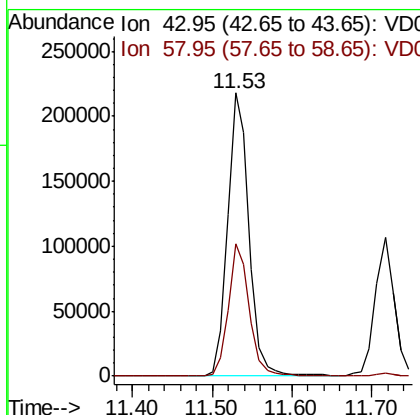
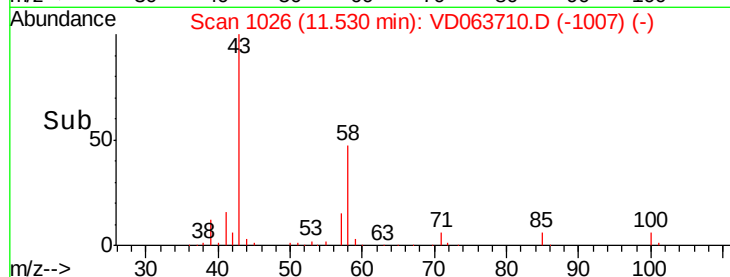
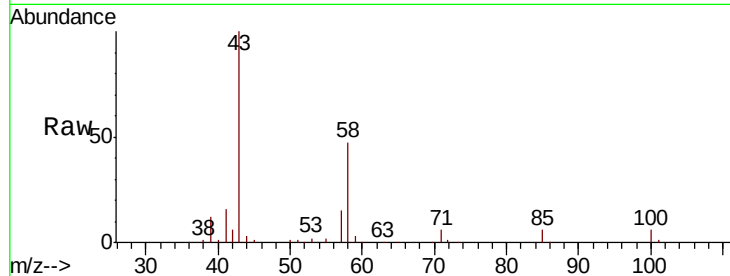




#59
2-Hexanone
Concen: 115.922 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

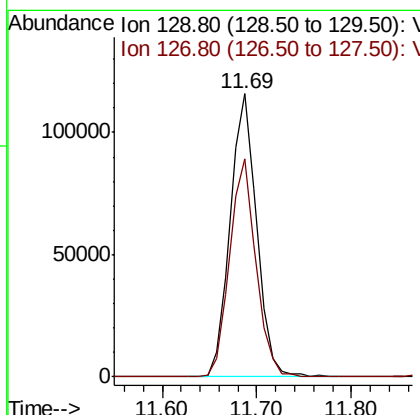
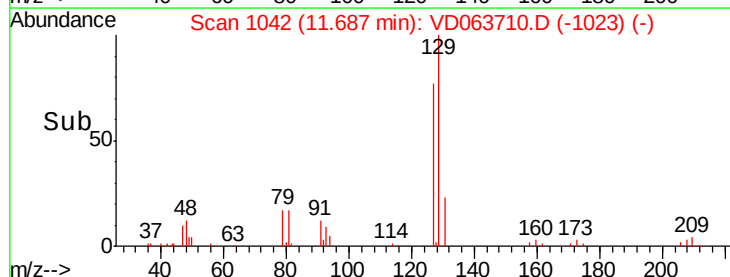
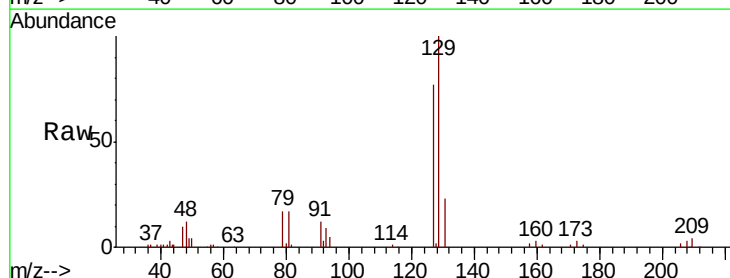
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

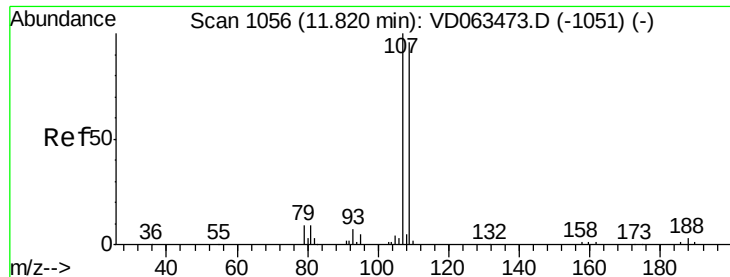
Tgt Ion: 43 Resp: 410198
Ion Ratio Lower Upper
43 100
58 46.7 23.1 69.2



#60
Dibromochloromethane
Concen: 20.277 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 129 Resp: 223717
Ion Ratio Lower Upper
129 100
127 77.0 37.8 113.4

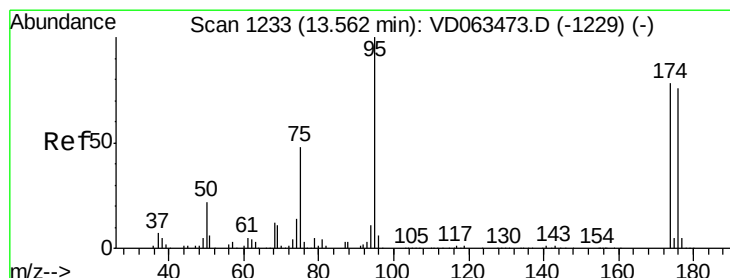
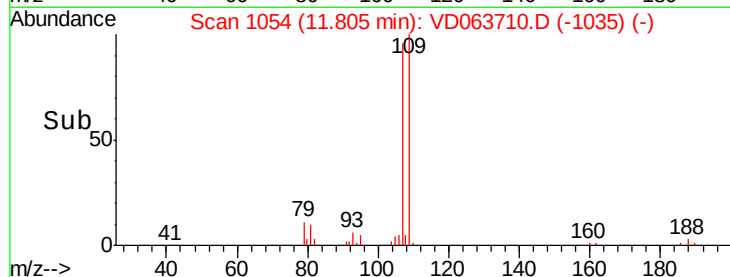
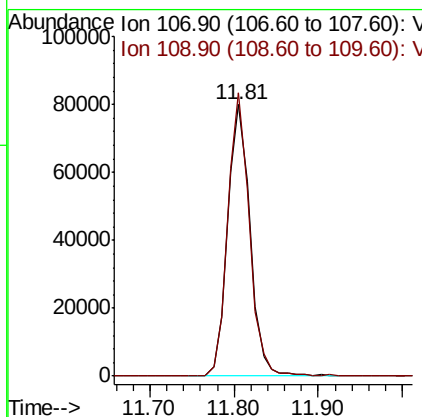
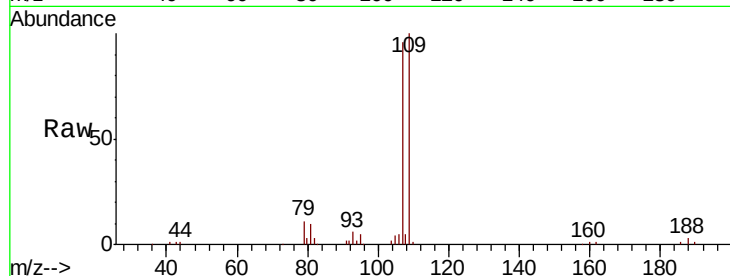




#61
 1,2-Dibromoethane
 Concen: 20.062 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

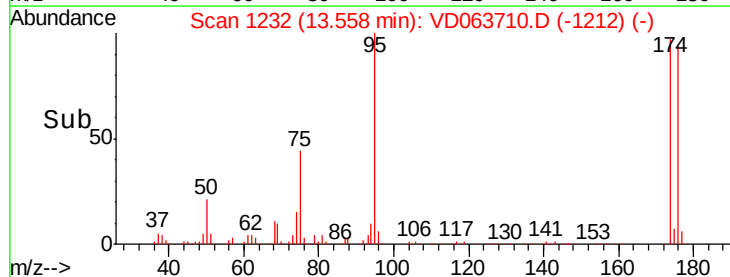
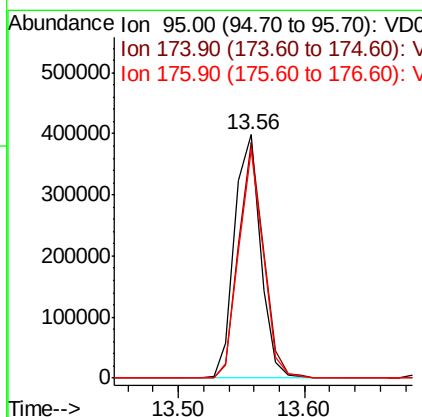
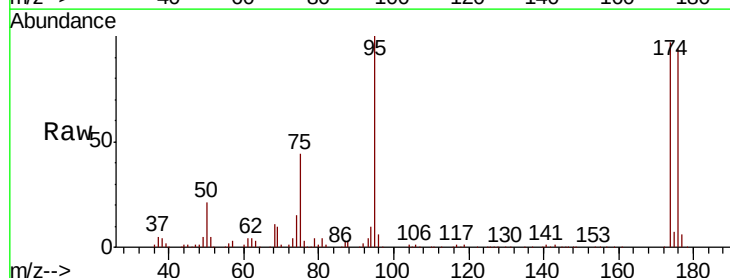
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

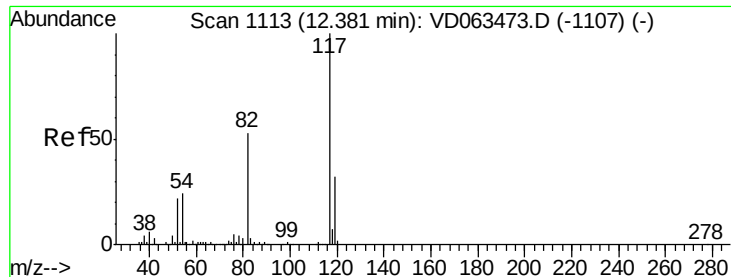
Tgt Ion: 107 Resp: 147256
 Ion Ratio Lower Upper
 107 100
 109 104.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 47.264 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion: 95 Resp: 568219
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 155.4
 176 93.7 0.0 152.4

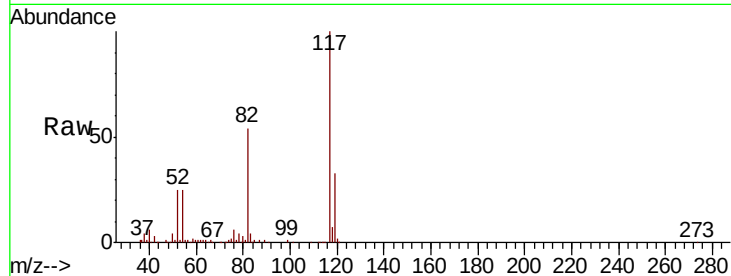




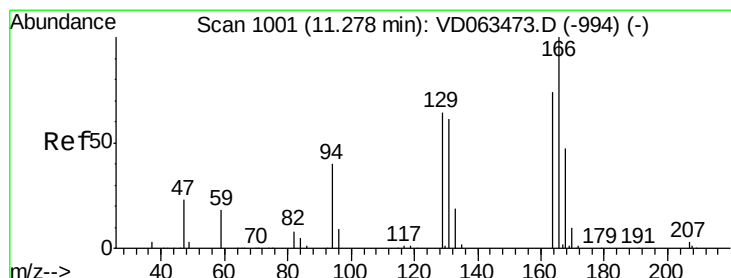
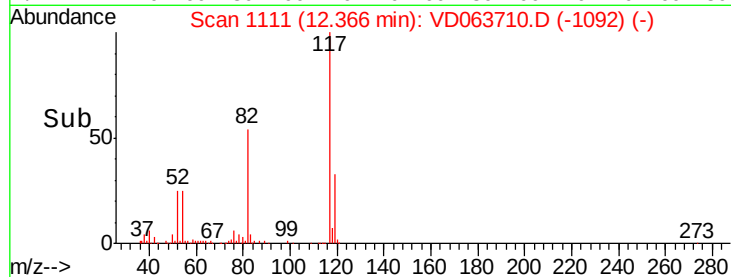
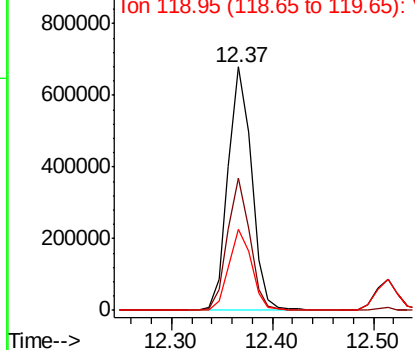
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tgt Ion:117 Resp: 1101672
Ion Ratio Lower Upper
117 100
82 54.1 42.0 63.0
119 33.1 25.4 38.0

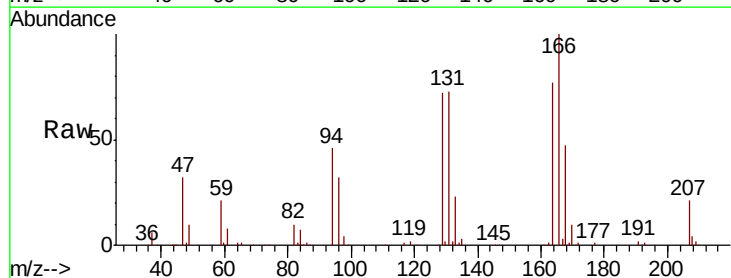


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

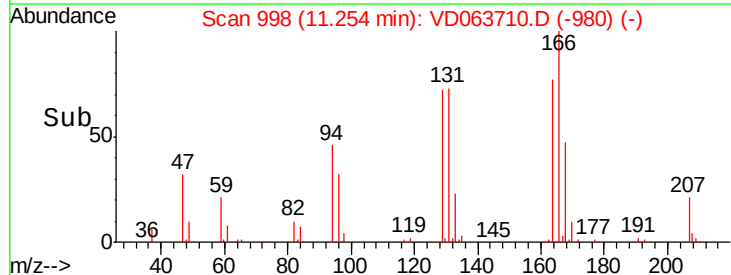
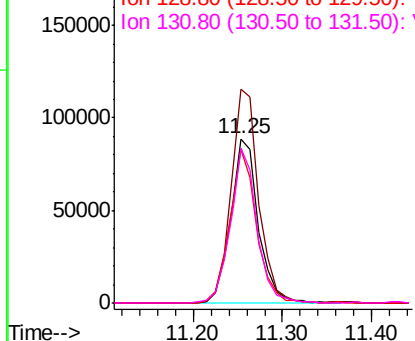


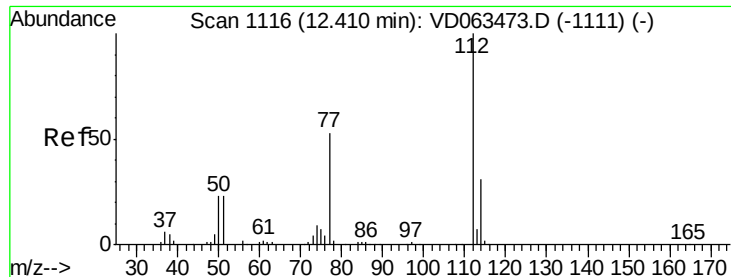
#64
Tetrachloroethene
Concen: 22.596 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion:164 Resp: 192172
Ion Ratio Lower Upper
164 100
166 130.2 108.6 163.0
129 93.5 69.0 103.6
131 94.5 66.6 99.8



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

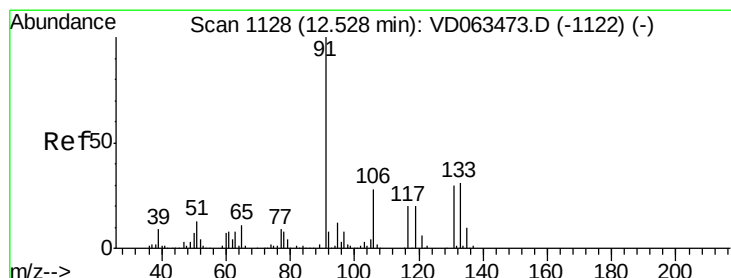
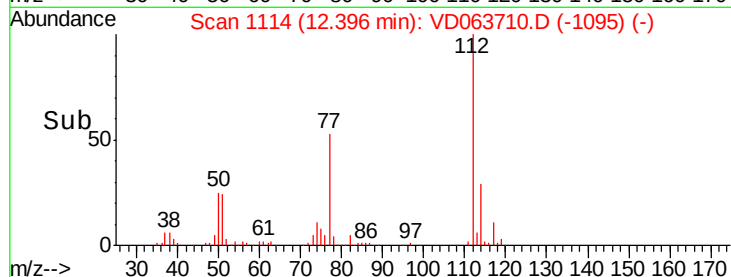
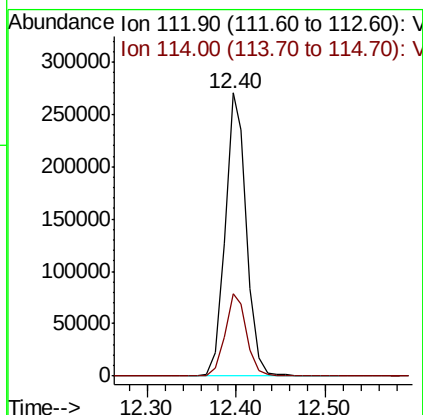
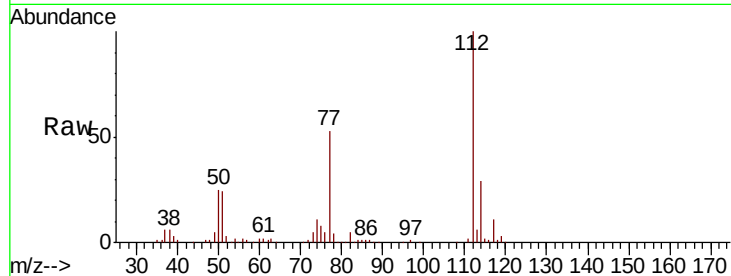




#65
Chlorobenzene
Concen: 21.933 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

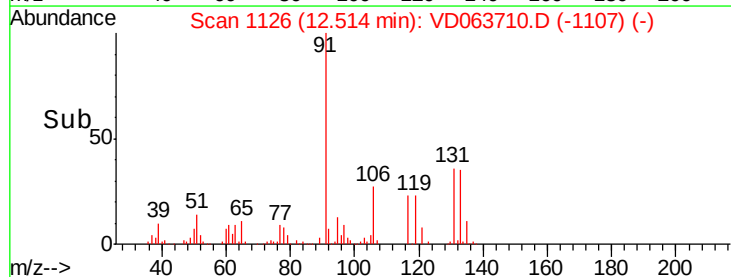
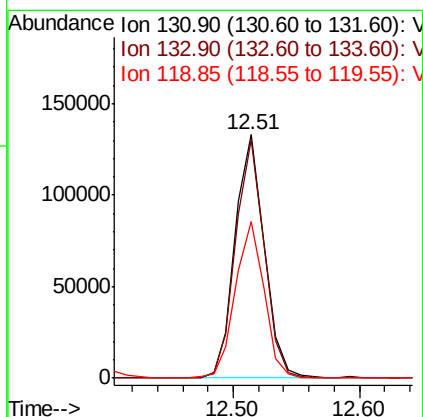
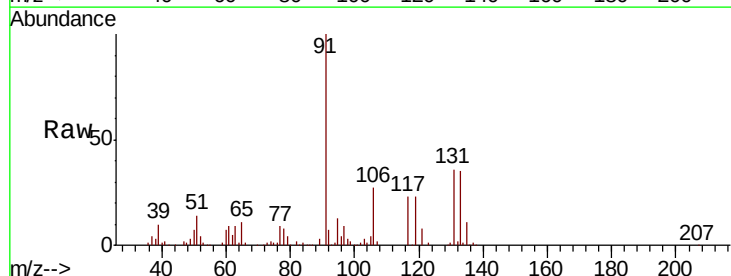
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

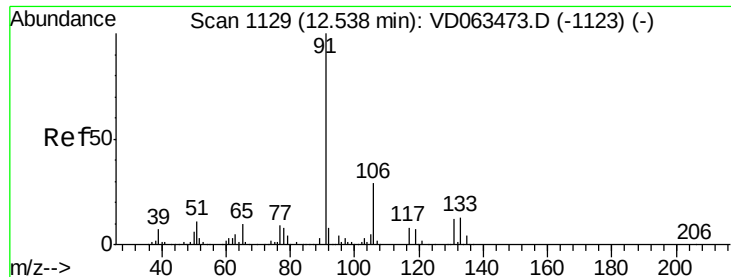
Tgt Ion:112 Resp: 452882
Ion Ratio Lower Upper
112 100
114 29.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.435 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion:131 Resp: 212955
Ion Ratio Lower Upper
131 100
133 98.0 51.1 153.3
119 64.1 33.1 99.3

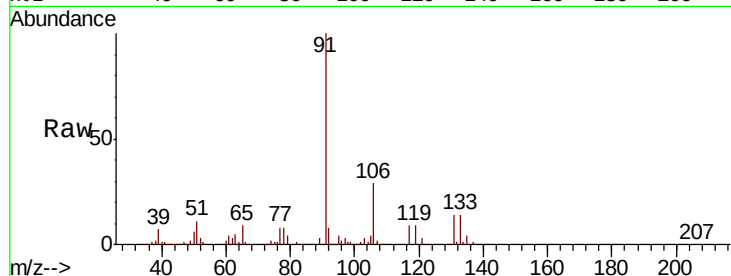




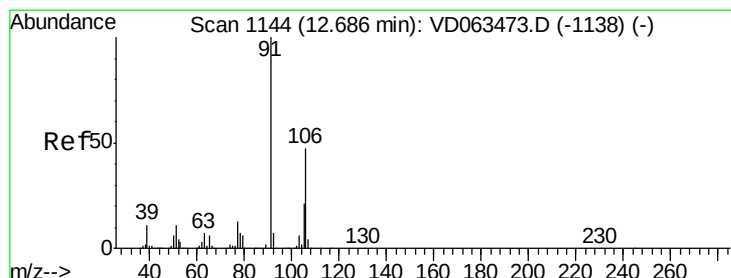
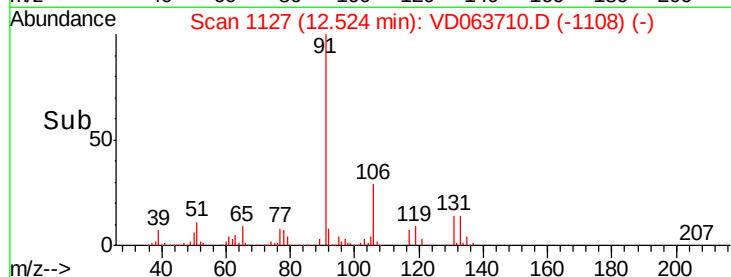
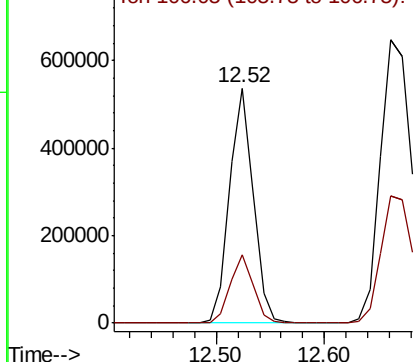
#67
Ethyl Benzene
Concen: 23.008 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tgt Ion: 91 Resp: 826030
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7

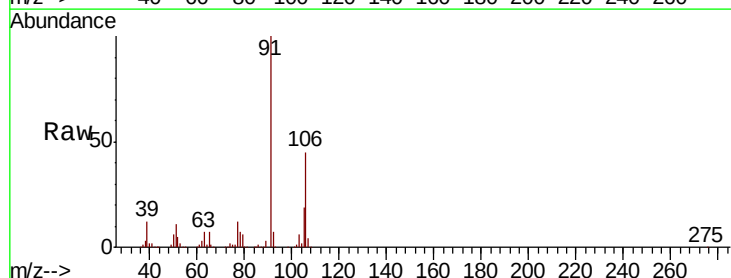


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

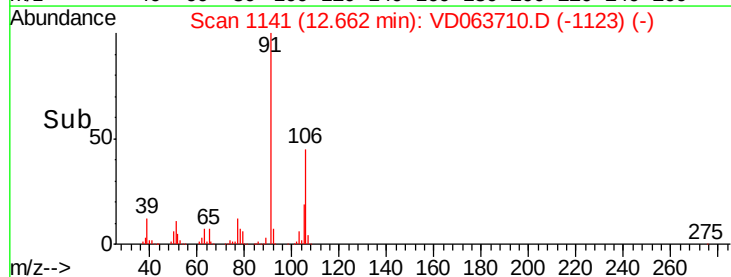
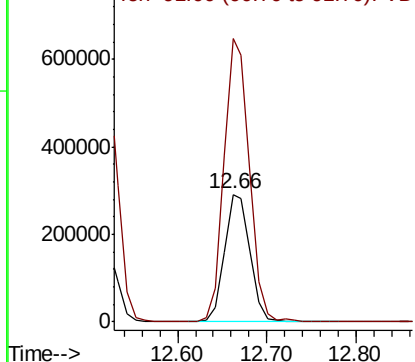


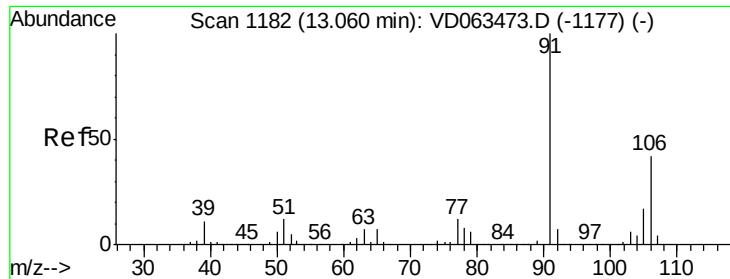
#68
m/p-Xylenes
Concen: 46.507 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 106 Resp: 586609
Ion Ratio Lower Upper
106 100
91 222.1 171.8 257.8



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

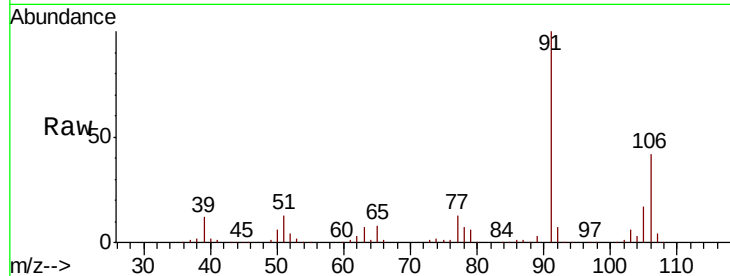




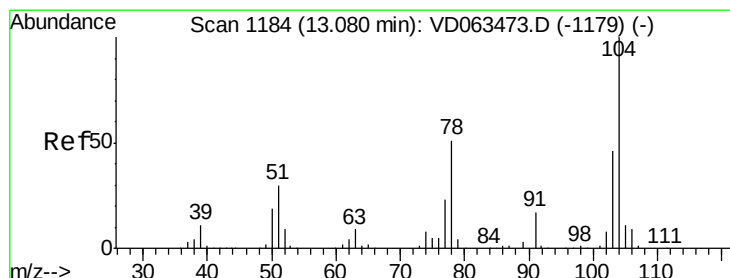
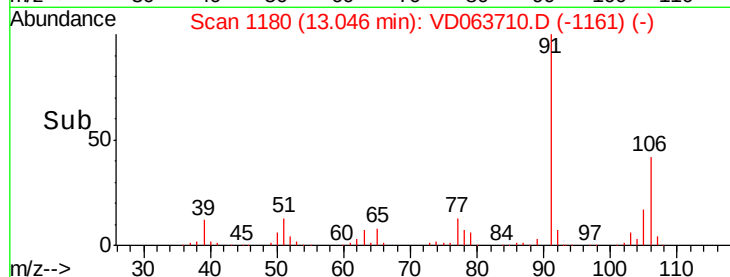
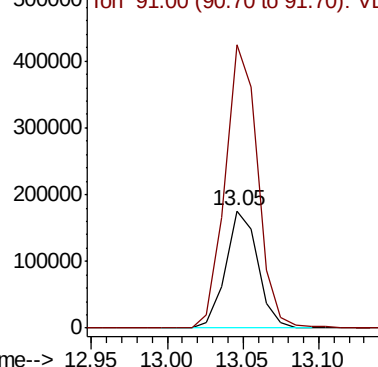
#69
o-Xylene
Concen: 21.542 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tgt Ion:106 Resp: 261514
Ion Ratio Lower Upper
106 100
91 241.0 118.1 354.2

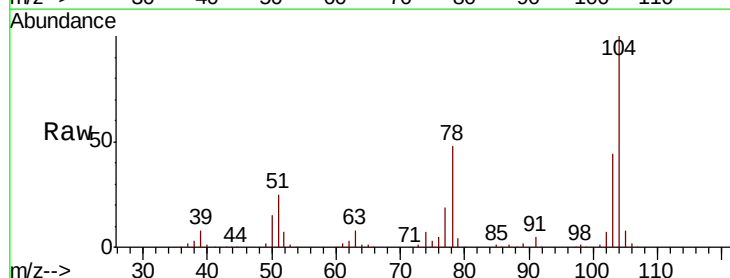


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

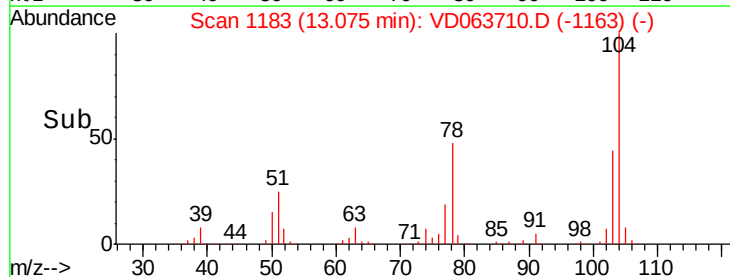
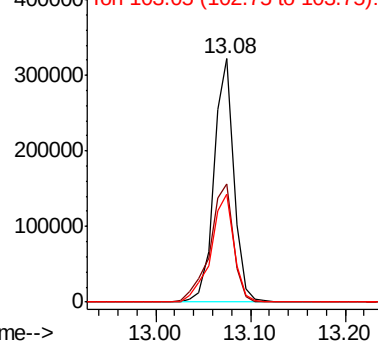


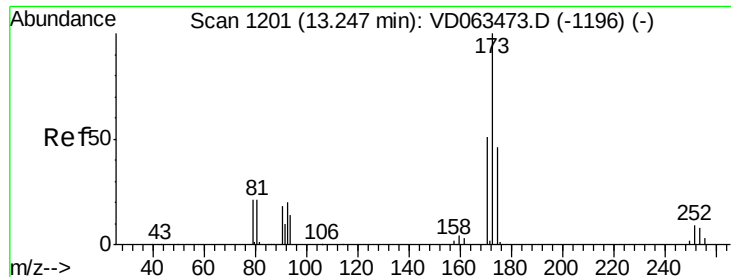
#70
Styrene
Concen: 21.632 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion:104 Resp: 467120
Ion Ratio Lower Upper
104 100
78 48.4 40.8 61.2
103 44.3 36.4 54.6



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: 21.417 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

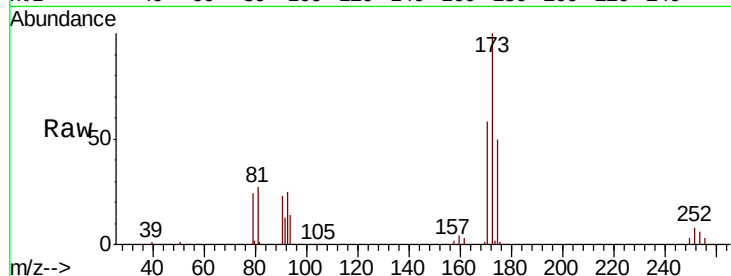
Tgt Ion:173 Resp: 133448

Ion Ratio Lower Upper

173 100

175 49.6 22.8 68.3

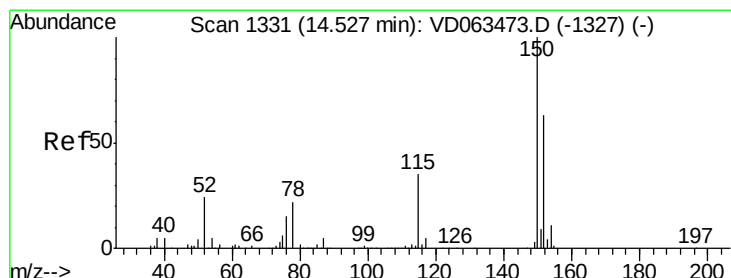
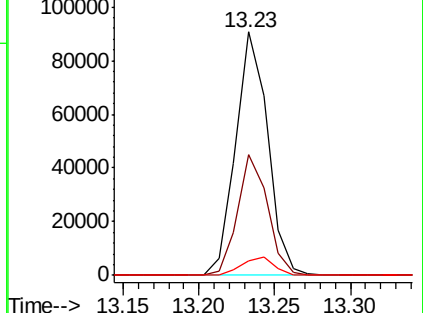
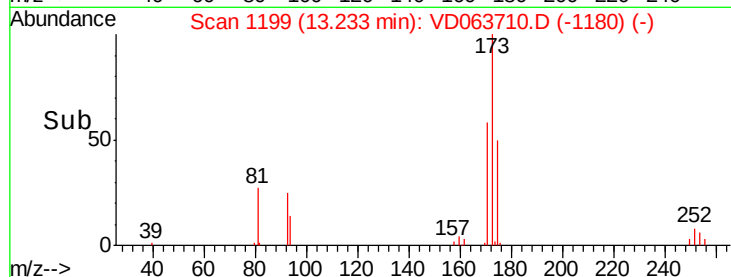
254 6.0 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

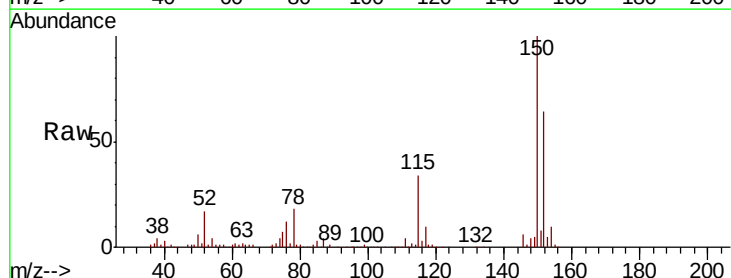
Tgt Ion:152 Resp: 594508

Ion Ratio Lower Upper

152 100

115 52.7 30.9 92.7

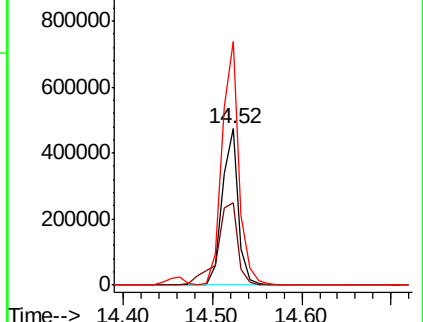
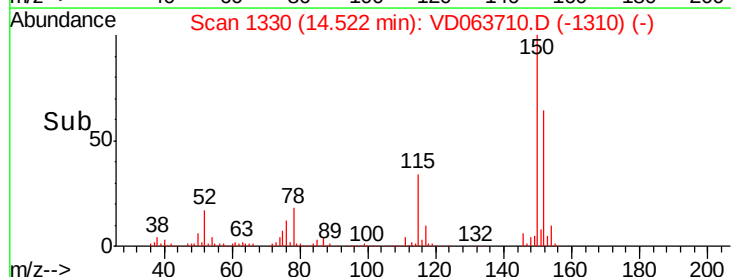
150 156.0 0.0 318.6

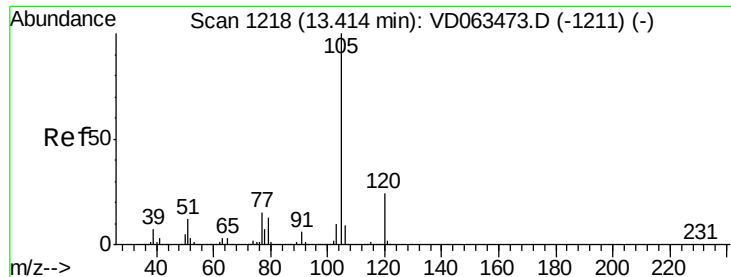


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.329 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

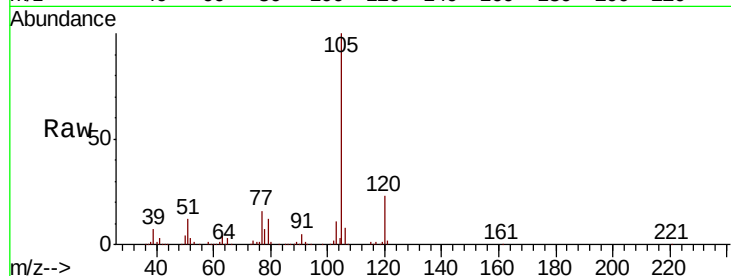
VD0821SBSD01

Tgt Ion: 105 Resp: 844353

Ion Ratio Lower Upper

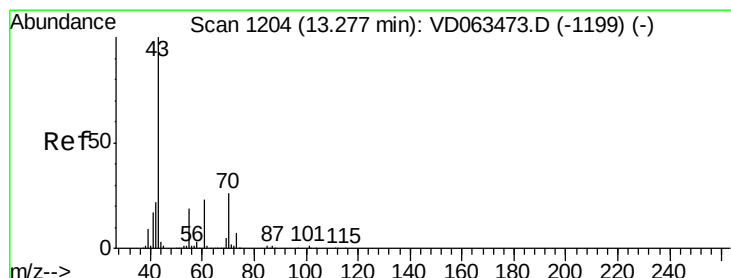
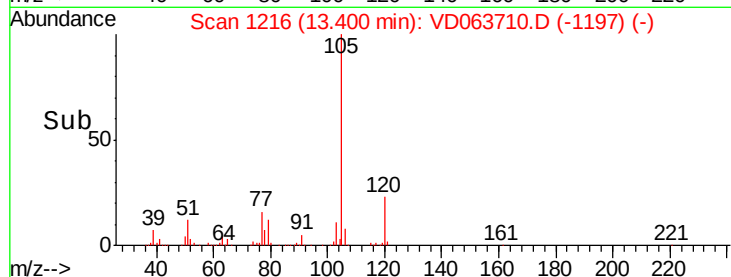
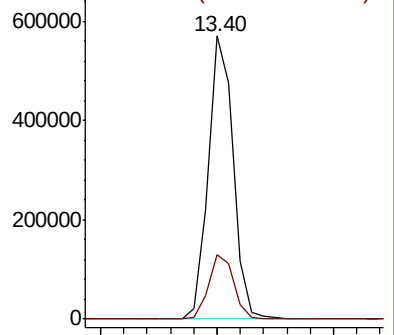
105 100

120 22.7 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.710 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Tgt Ion: 43 Resp: 215577

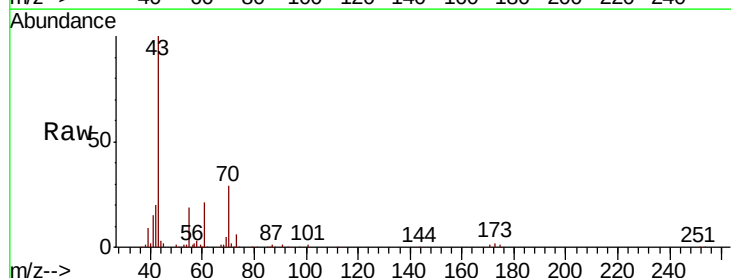
Ion Ratio Lower Upper

43 100

70 28.8 21.1 31.7

55 18.9 15.4 23.0

61 21.4 18.2 27.2

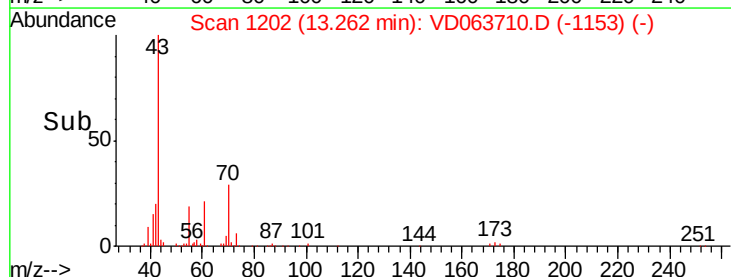
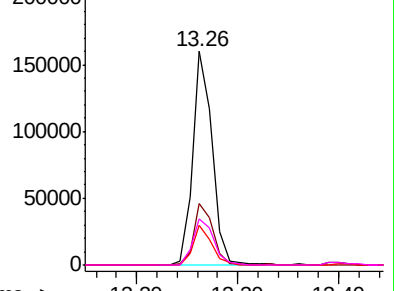


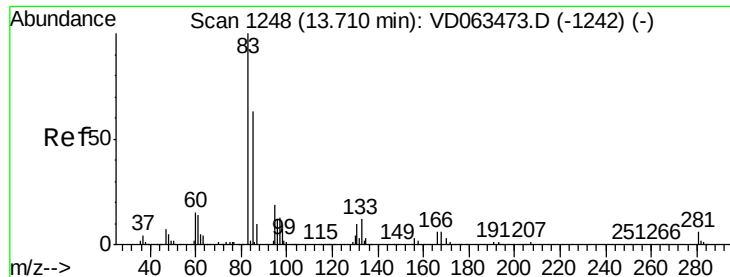
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.616 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

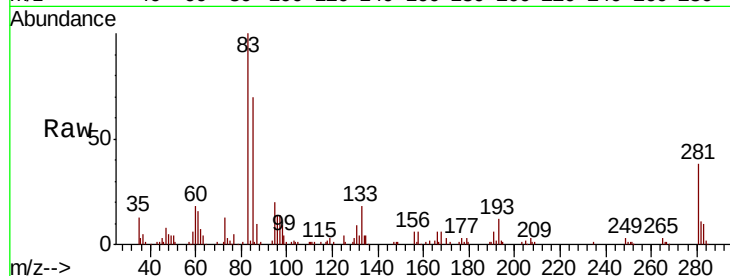
Tgt Ion: 83 Resp: 135669

Ion Ratio Lower Upper

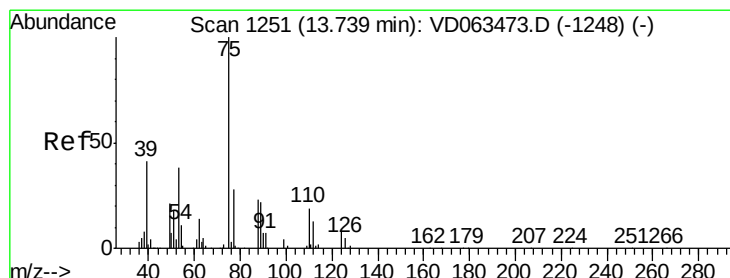
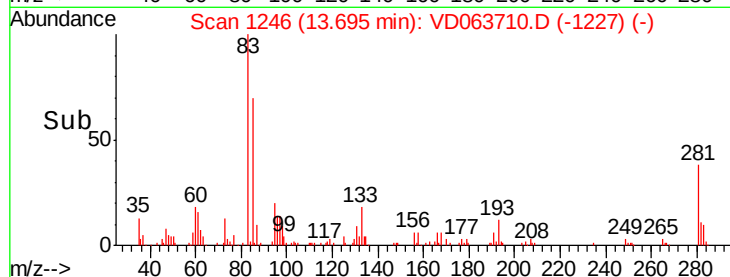
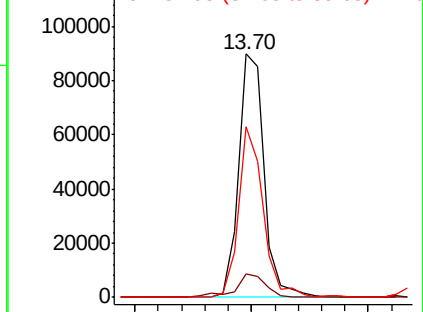
83 100

131 9.5 5.3 15.8

85 70.1 31.4 94.3



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: 22.431 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063710.D

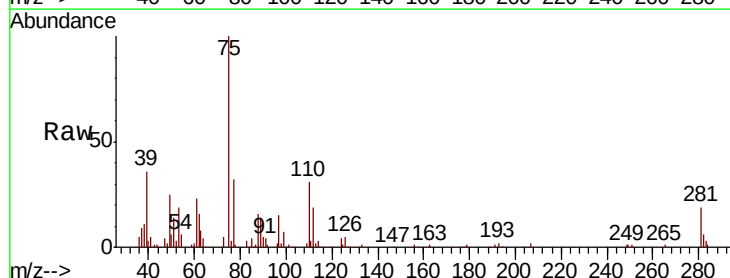
Acq: 21 Aug 2019 13:58

Tgt Ion: 75 Resp: 153046

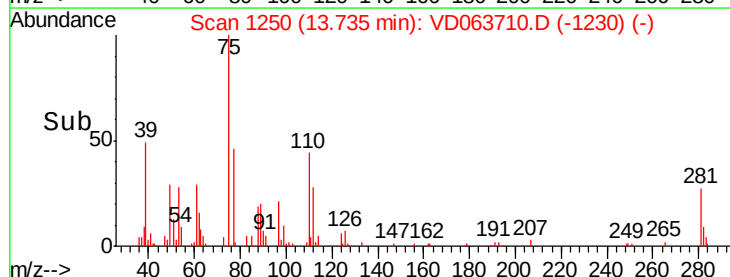
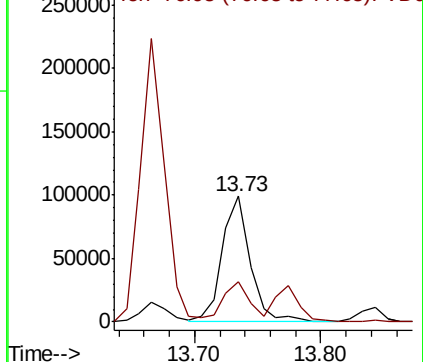
Ion Ratio Lower Upper

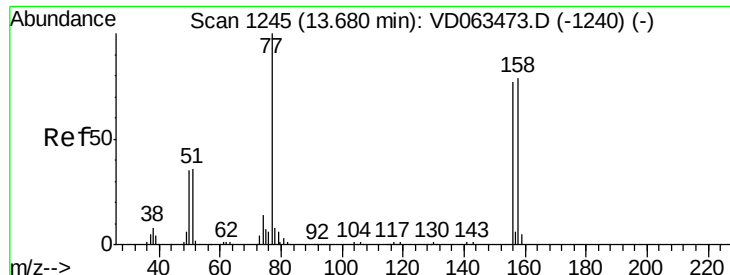
75 100

77 32.3 15.1 45.3



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

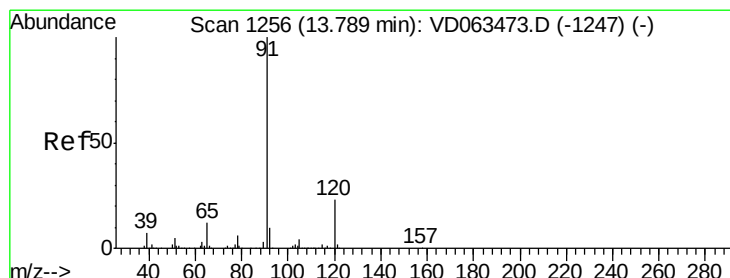
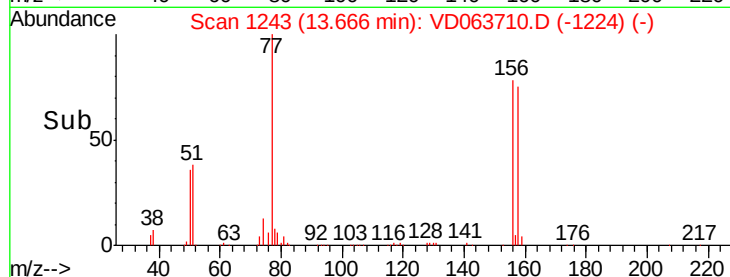
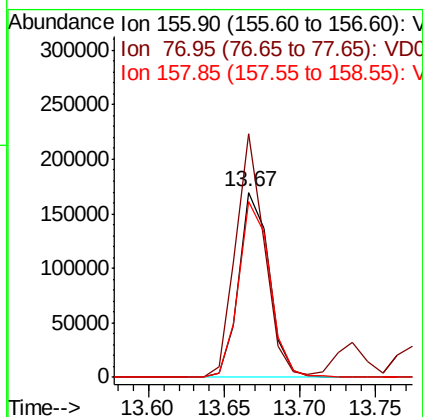
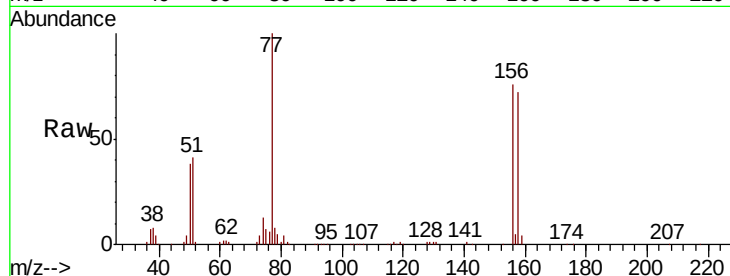




#77
Bromobenzene
Concen: 22.881 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

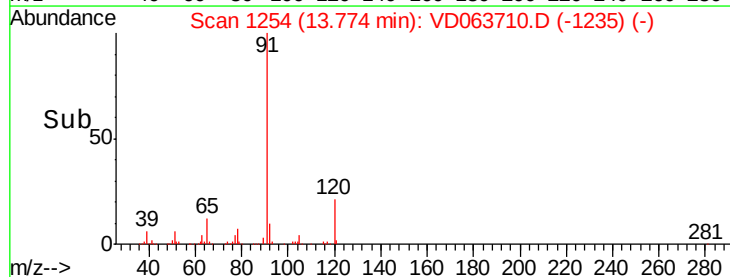
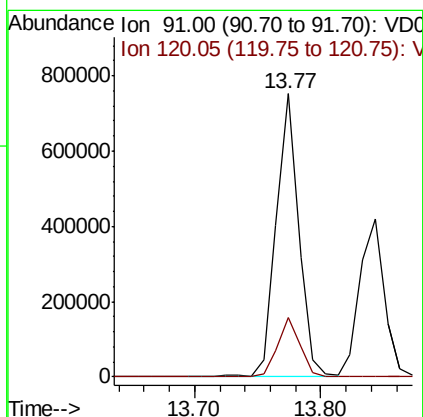
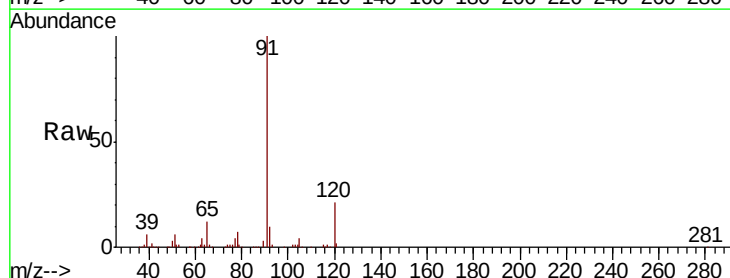
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

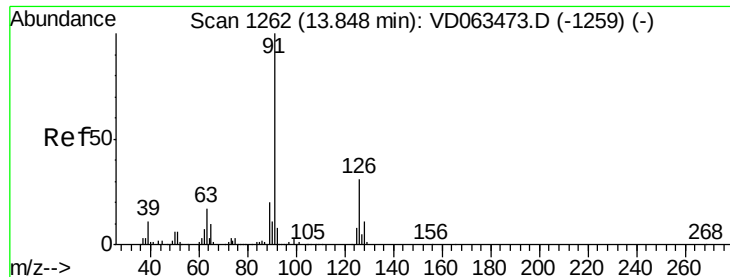
Tgt Ion:156 Resp: 236463
Ion Ratio Lower Upper
156 100
77 131.8 64.6 193.8
158 95.4 50.9 152.7



#78
n-propylbenzene
Concen: 21.266 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 91 Resp: 940870
Ion Ratio Lower Upper
91 100
120 21.1 11.3 33.9





#79

2-Chlorotoluene

Concen: 22.205 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063710.D

Acq: 21 Aug 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

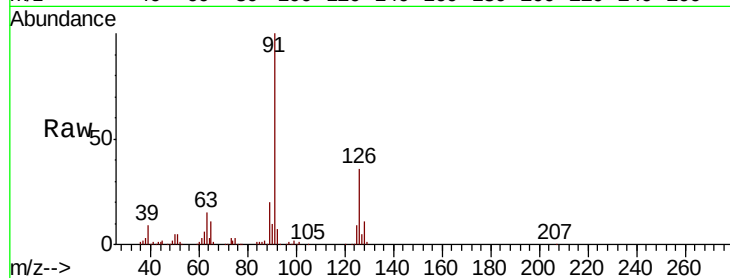
VD0821SBSD01

Tgt Ion: 91 Resp: 566455

Ion Ratio Lower Upper

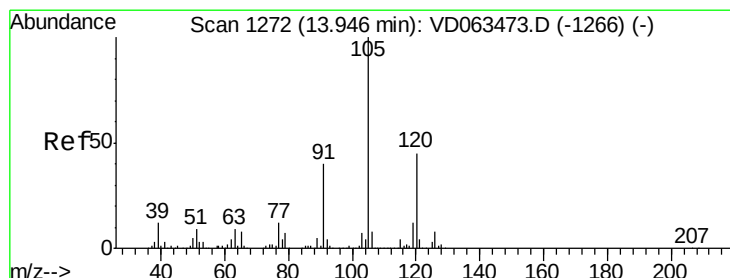
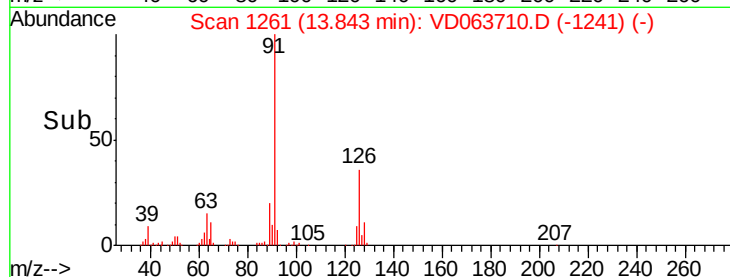
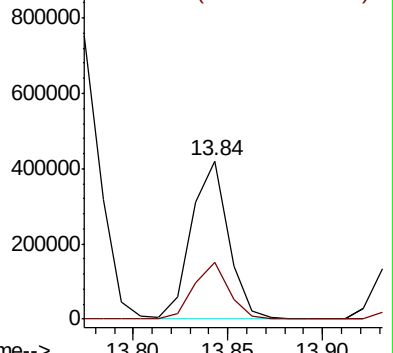
91 100

126 35.5 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.095 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063710.D

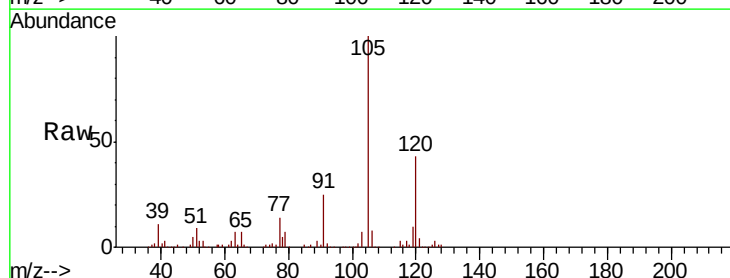
Acq: 21 Aug 2019 13:58

Tgt Ion: 105 Resp: 696957

Ion Ratio Lower Upper

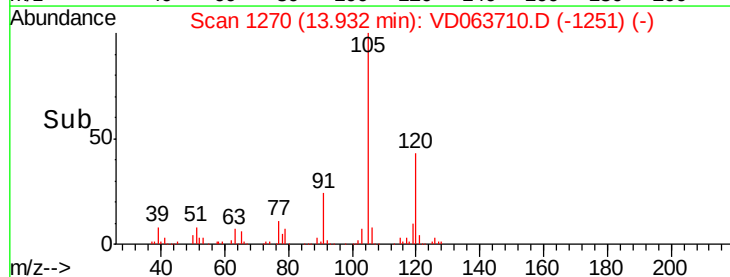
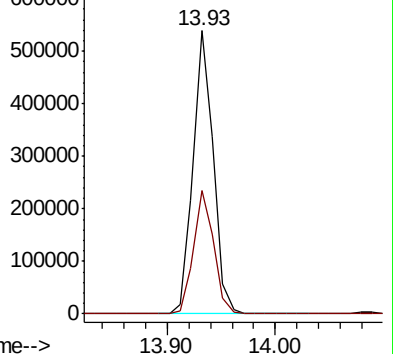
105 100

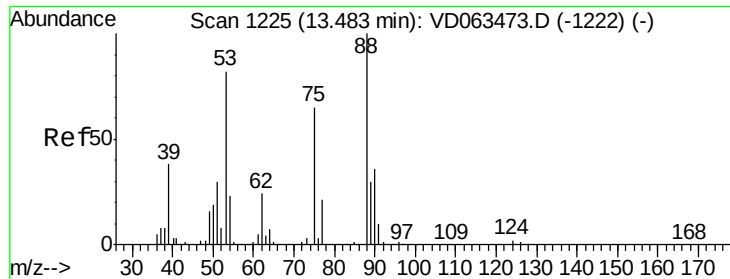
120 43.5 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

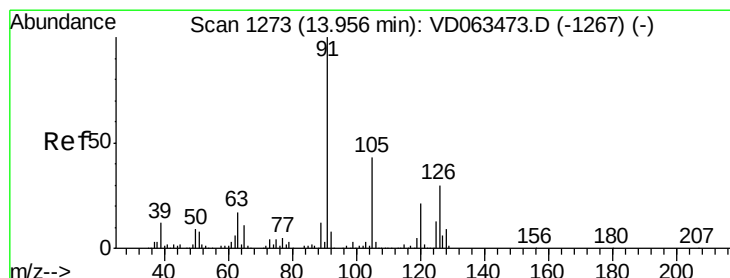
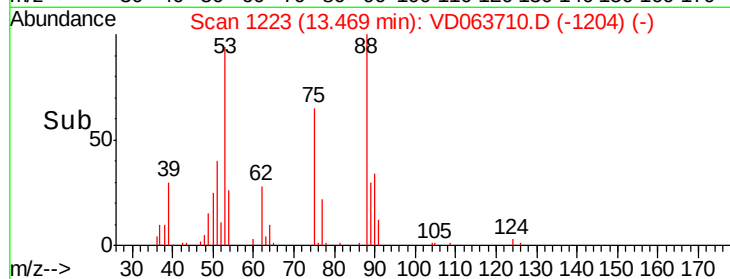
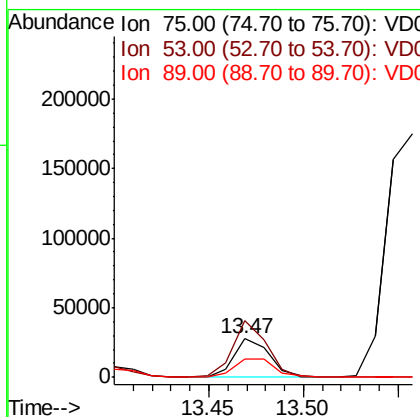
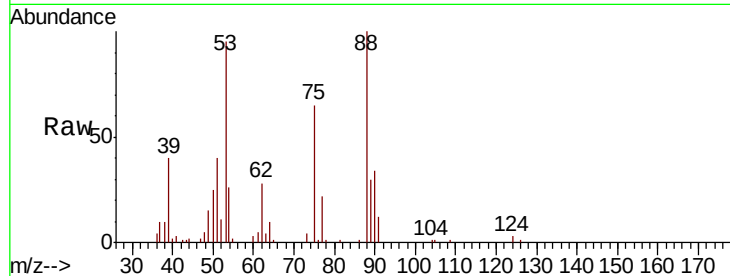




#81
trans-1,4-Dichloro-2-butene
Concen: 20.154 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

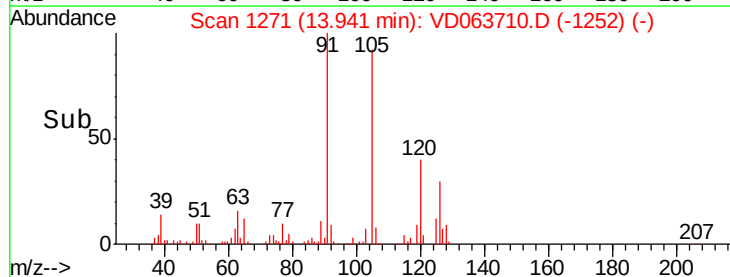
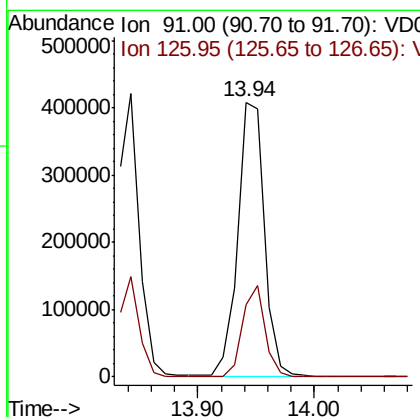
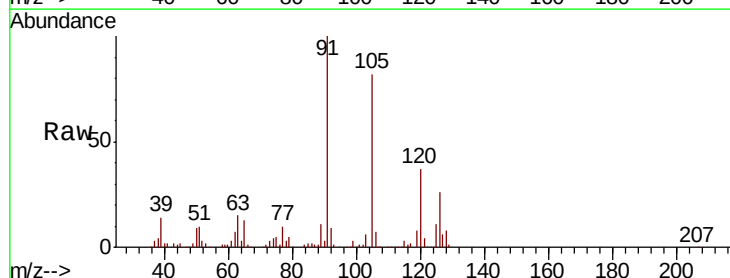
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

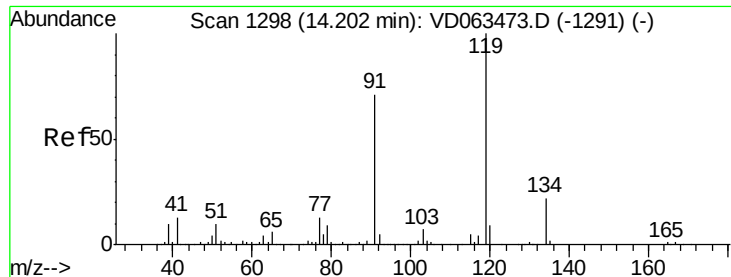
Tgt Ion: 75 Resp: 36960
Ion Ratio Lower Upper
75 100
53 147.5 101.0 151.4
89 46.9 37.0 55.6



#82
4-Chlorotoluene
Concen: 21.048 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 91 Resp: 645677
Ion Ratio Lower Upper
91 100
126 26.5 15.2 45.6

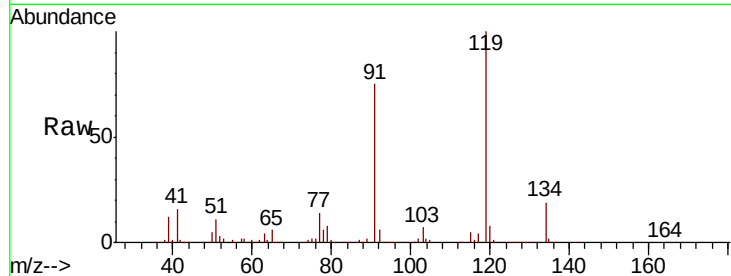




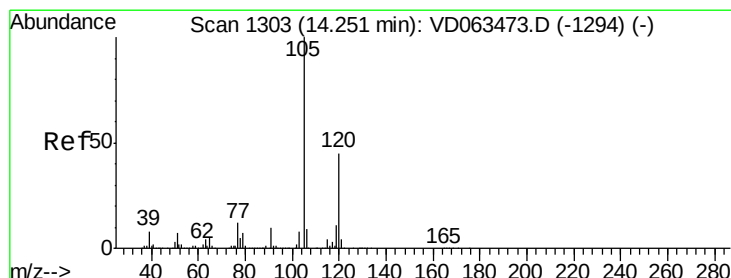
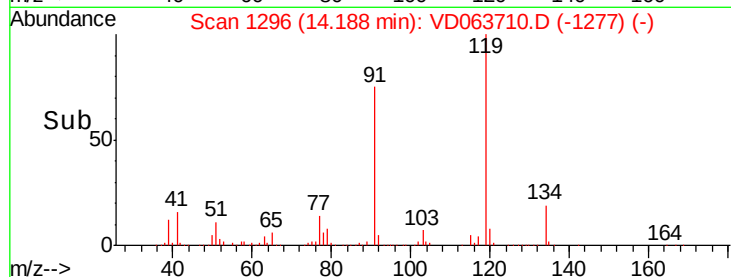
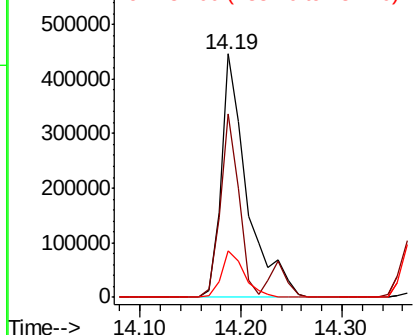
#83
 tert-Butylbenzene
 Concen: 22.876 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tgt Ion:119 Resp: 795906
 Ion Ratio Lower Upper
 119 100
 91 75.3 35.5 106.7
 134 19.2 11.1 33.1

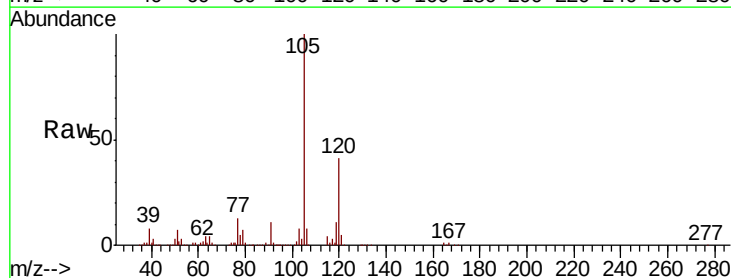


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

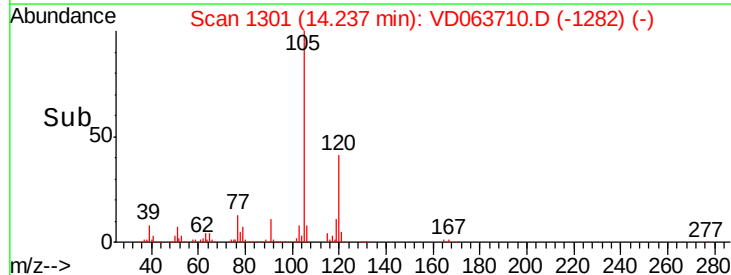
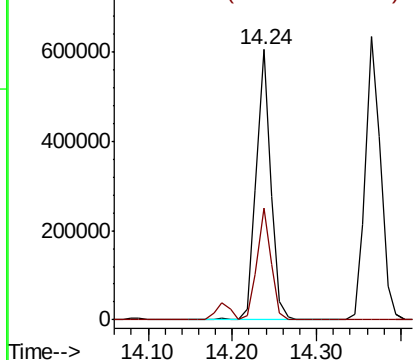


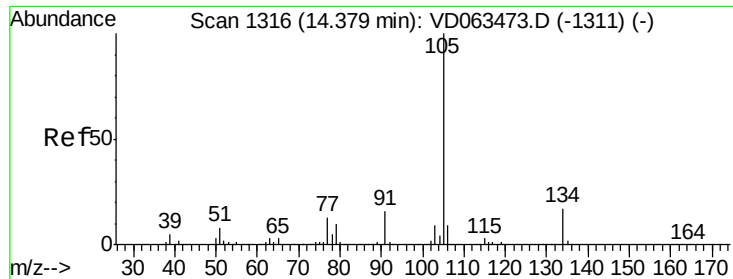
#84
 1,2,4-Trimethylbenzene
 Concen: 24.275 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion:105 Resp: 742088
 Ion Ratio Lower Upper
 105 100
 120 41.2 22.7 68.1



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

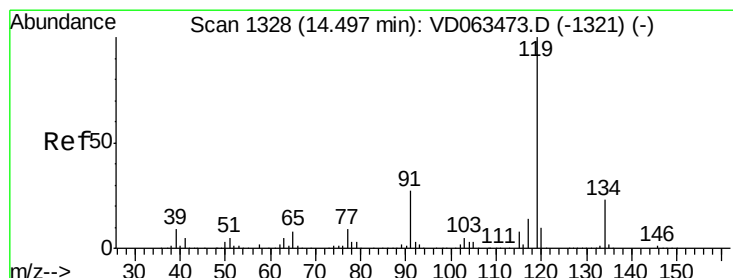
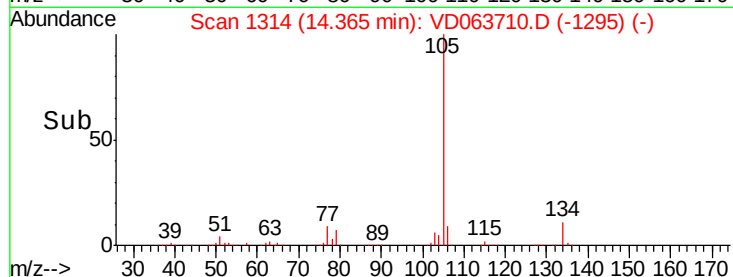
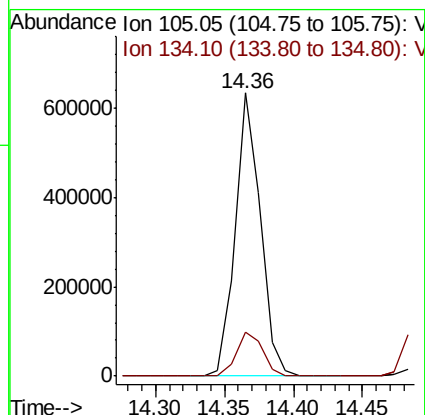
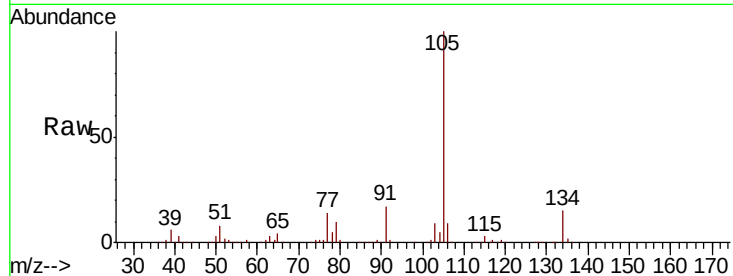




#85
 sec-Butylbenzene
 Concen: 21.784 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

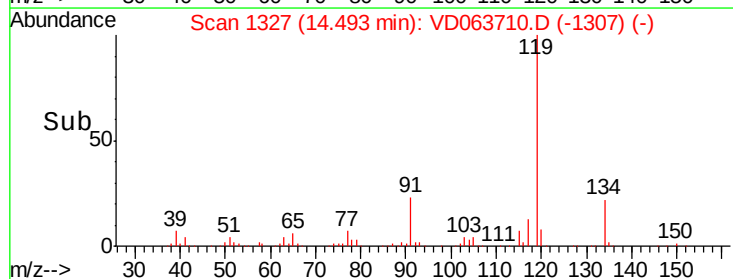
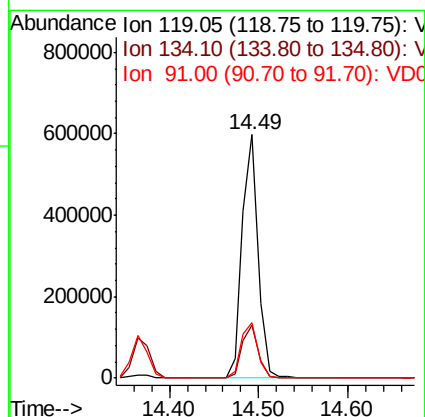
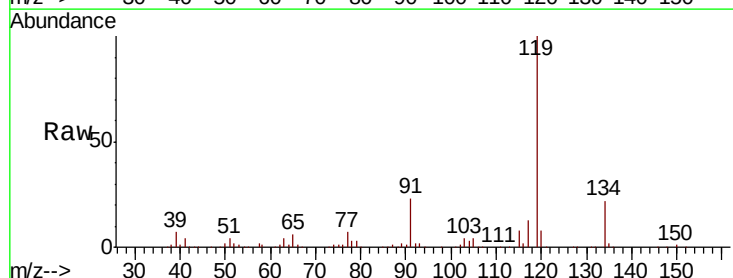
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

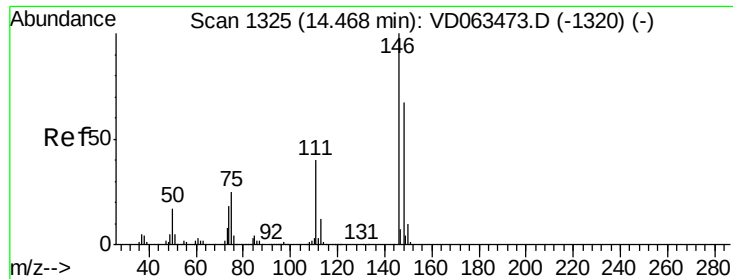
Tgt Ion:105 Resp: 804872
 Ion Ratio Lower Upper
 105 100
 134 15.4 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 21.330 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion:119 Resp: 753535
 Ion Ratio Lower Upper
 119 100
 134 21.8 11.3 33.8
 91 23.0 13.5 40.4

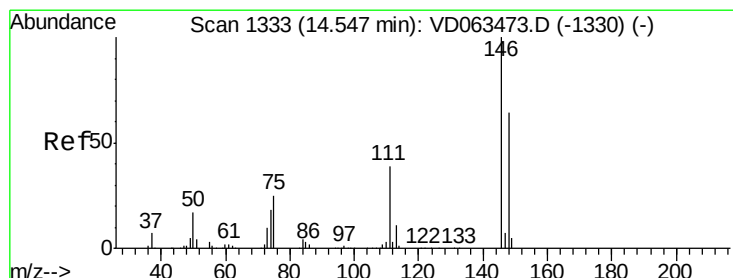
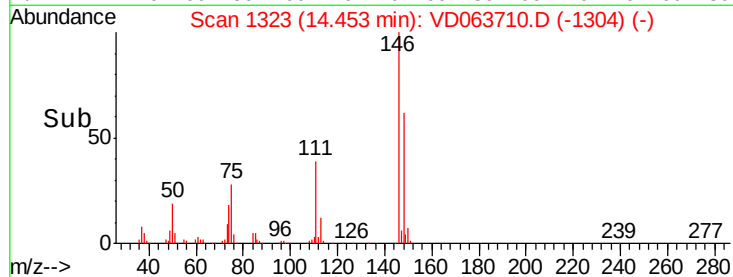
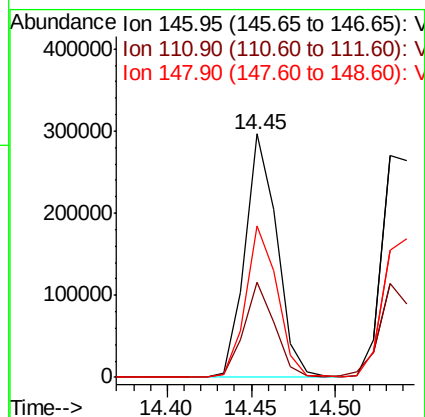
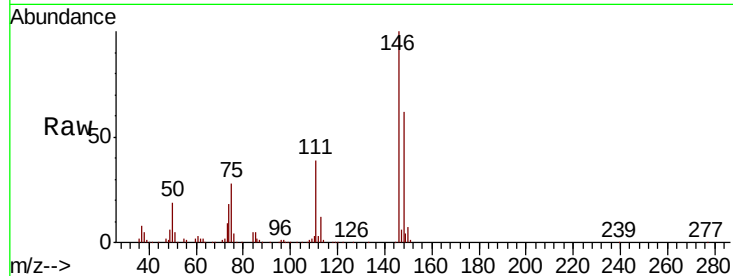




#87
 1,3-Dichlorobenzene
 Concen: 20.861 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

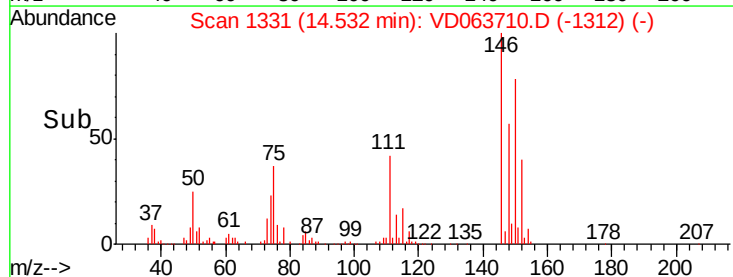
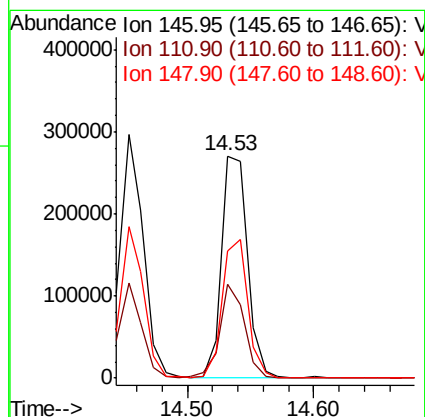
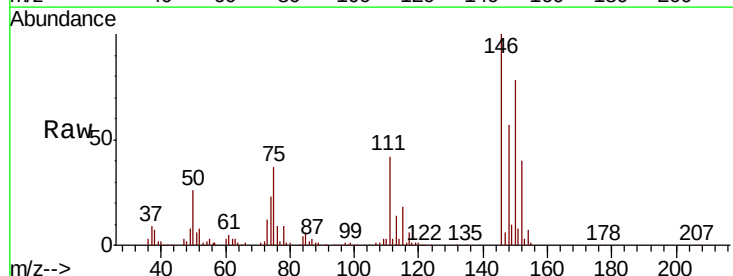
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

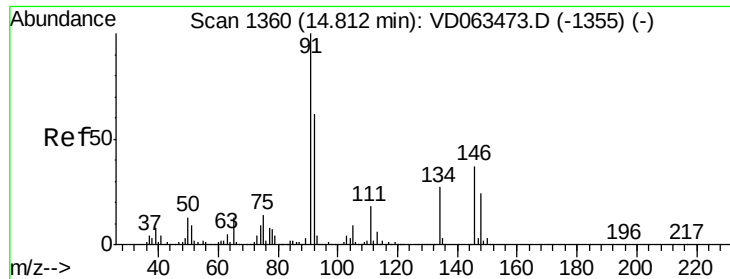
Tgt Ion:146 Resp: 389967
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 60.0
 148 62.2 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.729 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion:146 Resp: 389711
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.7 59.0
 148 57.1 32.1 96.3

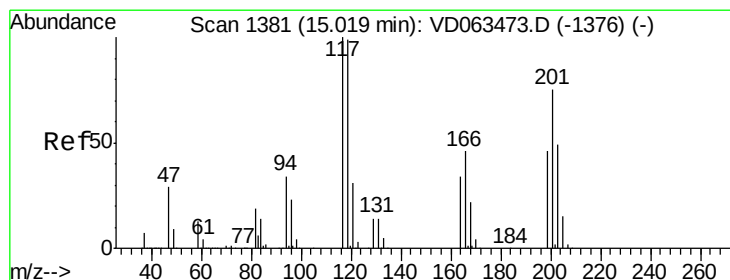
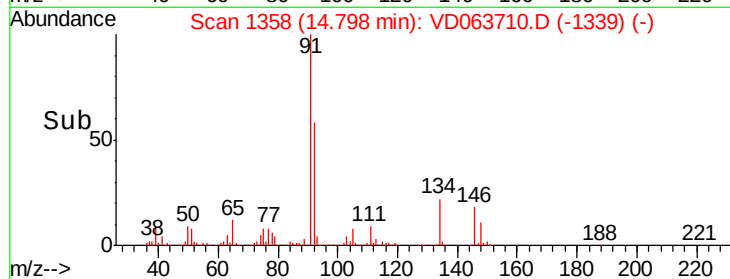
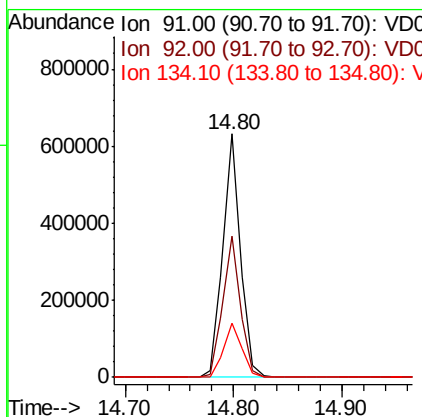
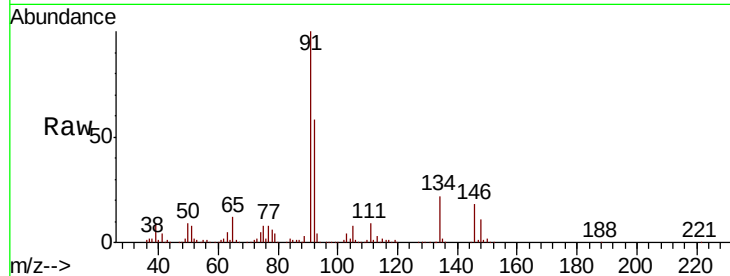




#89
n-Butylbenzene
Concen: 22.281 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

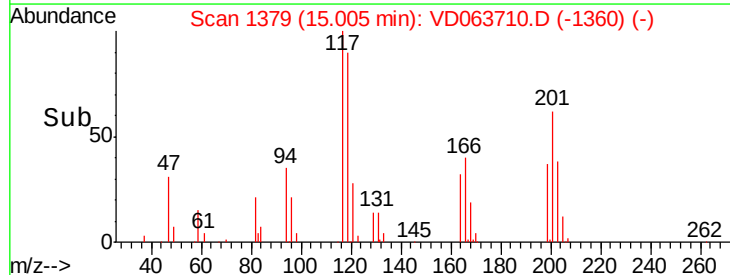
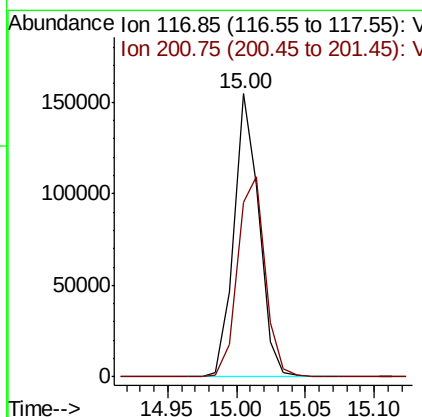
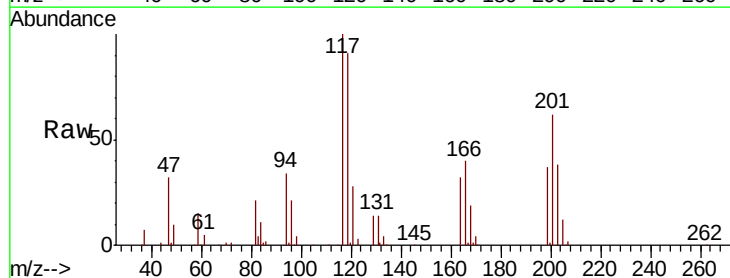
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

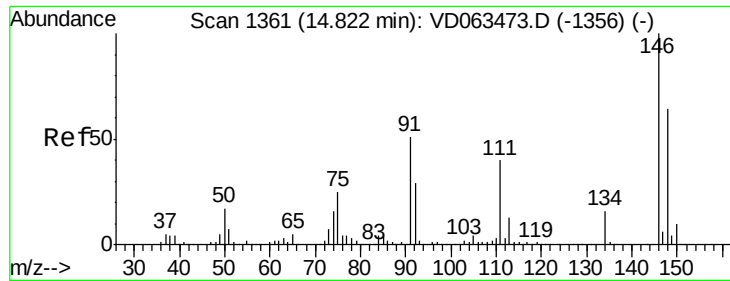
Tgt Ion: 91 Resp: 718405
Ion Ratio Lower Upper
91 100
92 57.8 30.8 92.3
134 22.5 13.4 40.2



#90
Hexachloroethane
Concen: 22.037 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion: 117 Resp: 195683
Ion Ratio Lower Upper
117 100
201 61.6 37.5 112.5

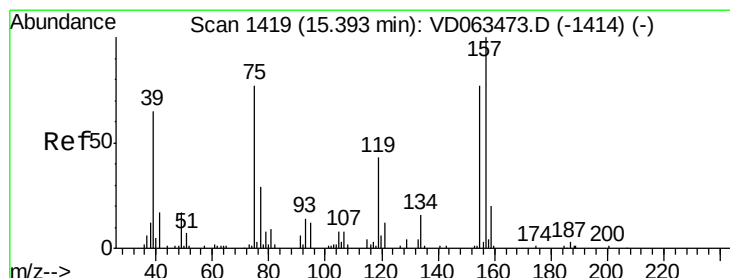
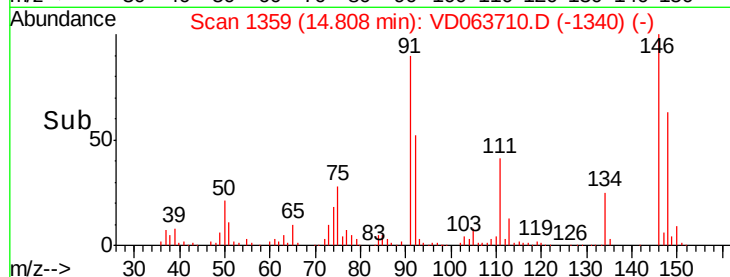
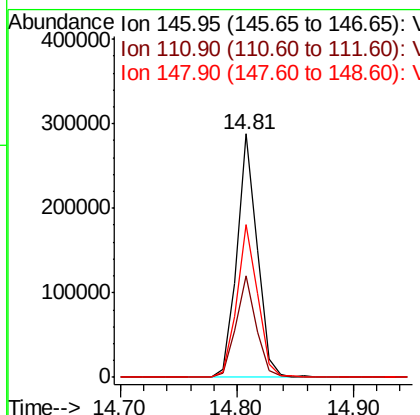
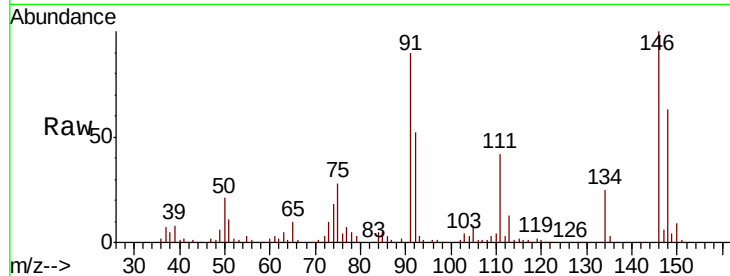




#91
 1,2-Dichlorobenzene
 Concen: 22.042 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

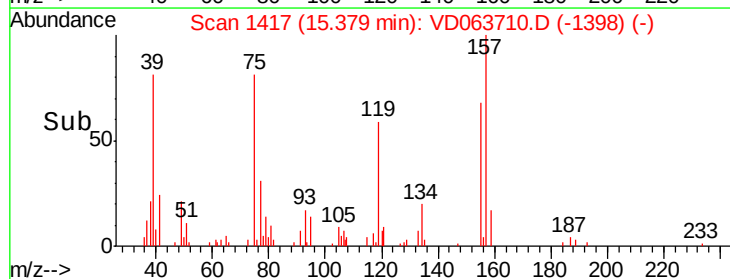
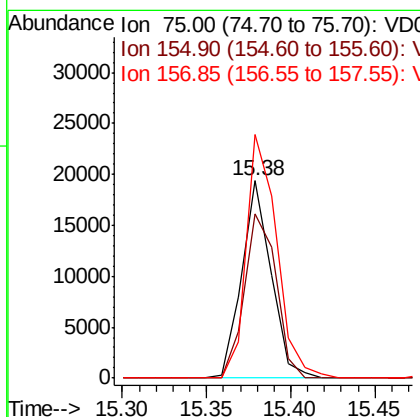
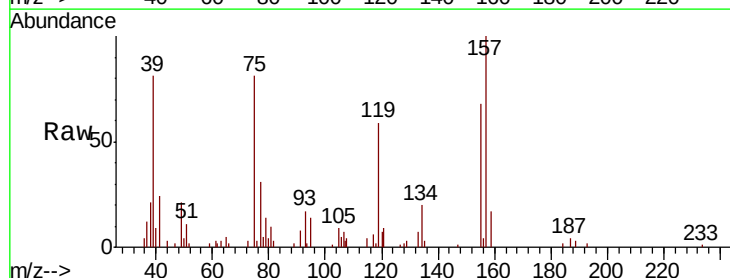
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0821SBSD01

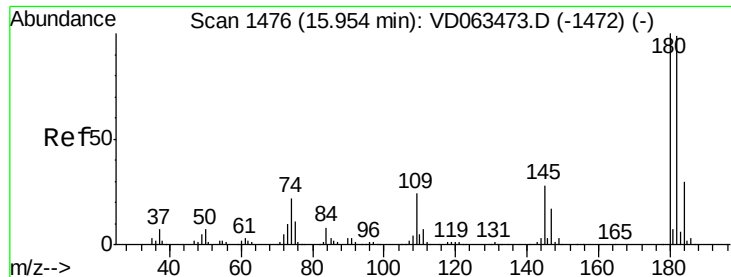
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.6
148	63.0	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.831 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	50.1	150.3
157	123.5	65.0	195.1

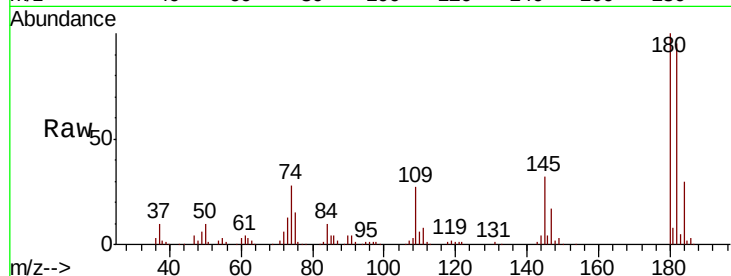




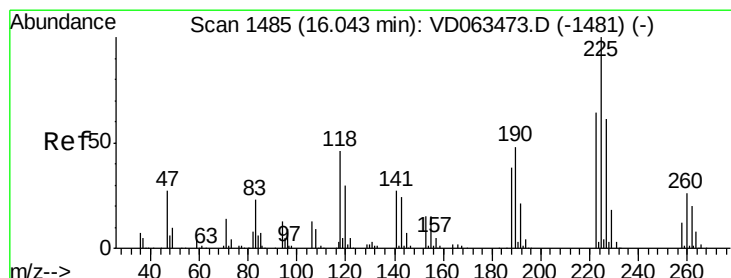
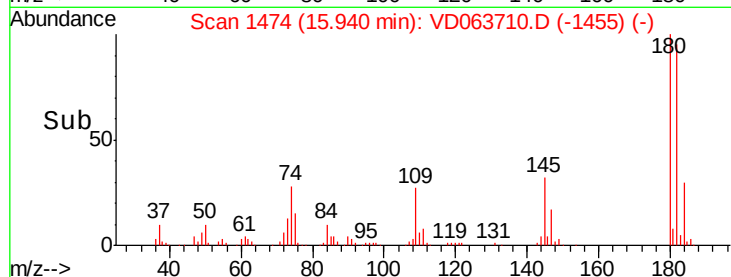
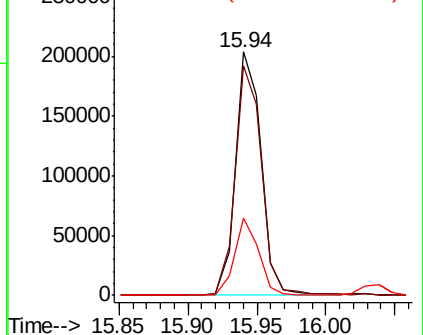
#93
 1,2,4-Trichlorobenzene
 Concen: 22.556 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tgt Ion:180 Resp: 263231
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.7 149.1
 145 31.7 14.1 42.2

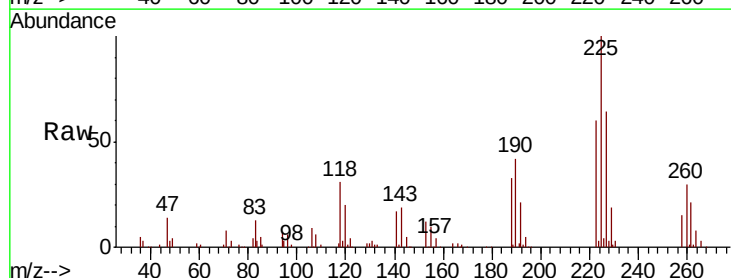


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

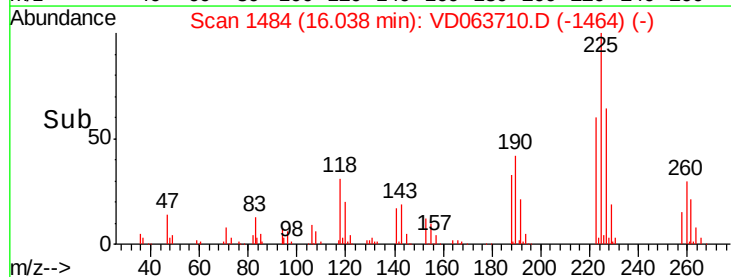
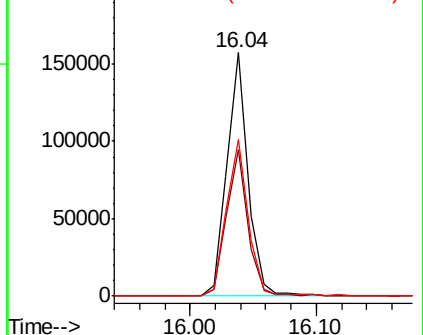


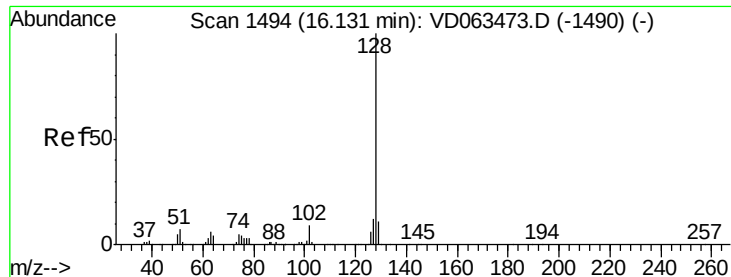
#94
 Hexachlorobutadiene
 Concen: 20.429 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063710.D
 Acq: 21 Aug 2019 13:58

Tgt Ion:225 Resp: 181699
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.9 95.5
 227 64.3 30.7 92.1



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

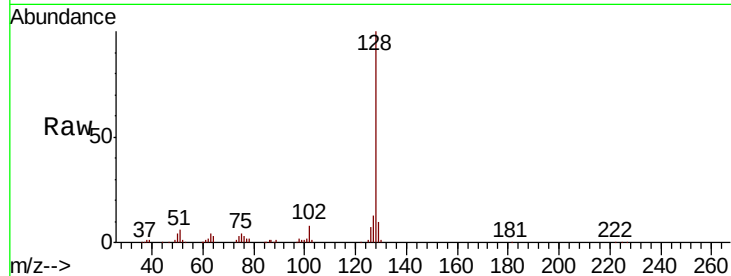




#95
Naphthalene
Concen: 22.171 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.4	14.0
129	10.4	8.5	12.7

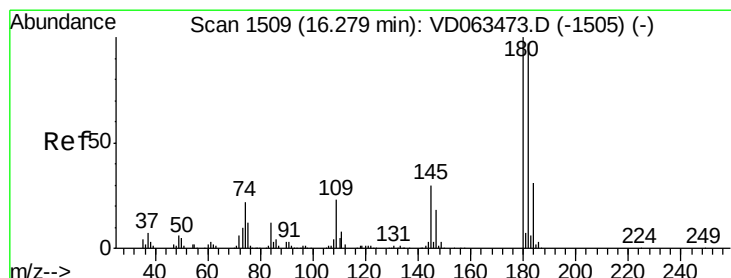
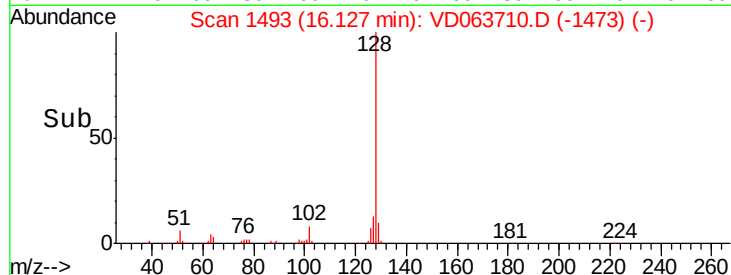
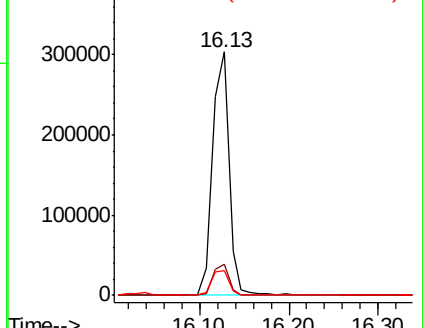


Abundance

Ion 128.00 (127.70 to 128.70): V

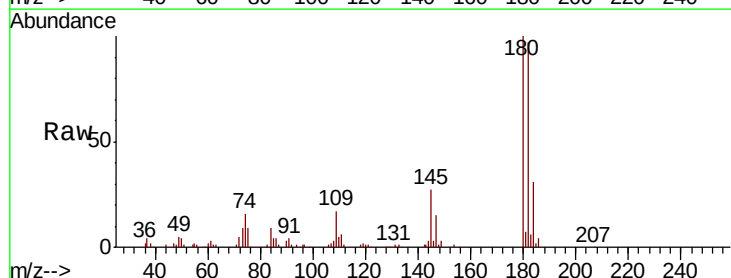
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.590 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063710.D
Acq: 21 Aug 2019 13:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.2
145	27.4	14.9	44.9



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

