

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063123.D
 Acq On : 17 Jul 2019 11:20
 Operator : VA/AP
 Sample : VD0717SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	634961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	839295	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	689146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	408866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	382604	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
35) Dibromofluoromethane	6.91	113	448321	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	10.40	98	908303	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	13.55	95	387781	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	174889	24.496	ug/l	92
3) Chloromethane	1.74	50	145869	23.587	ug/l #	85
4) Vinyl Chloride	1.83	62	138754	20.475	ug/l	89
5) Bromomethane	2.13	94	58108	20.561	ug/l	90
6) Chloroethane	2.24	64	66584	21.152	ug/l	90
7) Trichlorofluoromethane	2.51	101	290632	21.185	ug/l	97
8) Diethyl Ether	2.85	74	41198	21.349	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	137612	17.396	ug/l	99
10) Methyl Iodide	3.29	142	185257	19.076	ug/l	98
11) Tert butyl alcohol	4.07	59	43116	94.454	ug/l	99
12) 1,1-Dichloroethene	3.10	96	106523	18.963	ug/l	94
13) Acrolein	3.02	56	19139	138.918	ug/l	90
14) Allyl chloride	3.60	41	190282	21.553	ug/l	92
15) Acrylonitrile	4.18	53	103818	102.888	ug/l	91
16) Acetone	3.21	43	171792	89.924	ug/l #	85
17) Carbon Disulfide	3.35	76	334772	20.821	ug/l	97
18) Methyl Acetate	3.63	43	92386	34.757	ug/l #	90
19) Methyl tert-butyl Ether	4.22	73	284468	20.061	ug/l	94
20) Methylene Chloride	3.79	84	133094	18.441	ug/l	96
21) trans-1,2-Dichloroethene	4.19	96	135471	21.725	ug/l	95
22) Diisopropyl ether	5.11	45	408451	21.280	ug/l	95
23) Vinyl Acetate	5.04	43	1150733	102.759	ug/l	97
24) 1,1-Dichloroethane	4.96	63	242299	20.493	ug/l	99
25) 2-Butanone	6.06	43	181105	99.274	ug/l	100
26) 2,2-Dichloropropane	6.01	77	264590	20.220	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	147504	20.794	ug/l	93
28) Bromochloromethane	6.43	49	100969	23.538	ug/l	96
29) Tetrahydrofuran	6.45	42	79351	95.955	ug/l	94
30) Chloroform	6.65	83	308774	21.205	ug/l	97
31) Cyclohexane	6.94	56	157921	20.973	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	307440	21.411	ug/l	92
36) 1,1-Dichloropropene	7.13	75	186322	19.739	ug/l	99
37) Ethyl Acetate	6.17	43	93434	23.128	ug/l	97
38) Carbon Tetrachloride	7.09	117	291625	20.332	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	163211	20.000	ug/l	98
40) Benzene	7.44	78	401739	20.321	ug/l	99
41) Methacrylonitrile	6.45	41	113845	20.786	ug/l #	87
42) 1,2-Dichloroethane	7.57	62	220463	20.931	ug/l	94
43) Isopropyl Acetate	9.23	43	117561	20.302	ug/l #	98
44) Trichloroethene	8.53	130	158842	20.790	ug/l	97
45) 1,2-Dichloropropane	8.93	63	101115	20.514	ug/l	91
46) Dibromomethane	9.05	93	90052	21.260	ug/l	94
47) Bromodichloromethane	9.37	83	221018	19.996	ug/l	96
48) Methyl methacrylate	9.11	41	75471	19.847	ug/l	90
49) 1,4-Dioxane	9.08	88	17130	522.346	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	400113	104.181	ug/l	100
52) Toluene	10.50	92	288666	21.866	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	204341	21.578	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	197841	20.205	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	97040	21.270	ug/l	97
56) Ethyl methacrylate	11.03	69	105037	20.606	ug/l	96
57) 1,3-Dichloropropane	11.40	76	142880	20.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	277169	97.653	ug/l	94
59) 2-Hexanone	11.52	43	295750	99.852	ug/l	96
60) Dibromochloromethane	11.68	129	186269	21.299	ug/l	90
61) 1,2-Dibromoethane	11.80	107	123217	22.563	ug/l	98
64) Tetrachloroethene	11.25	164	152764	22.845	ug/l	94
65) Chlorobenzene	12.39	112	353526	21.823	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	158023	21.040	ug/l	97
67) Ethyl Benzene	12.52	91	612863	21.773	ug/l	98
68) m/p-Xylenes	12.67	106	416553	41.318	ug/l	100
69) o-Xylene	13.04	106	211073	22.080	ug/l	97
70) Styrene	13.07	104	382260	22.845	ug/l	96
71) Bromoform	13.23	173	111323	21.171	ug/l	97
73) Isopropylbenzene	13.41	105	666740	21.116	ug/l	99
74) N-amyl acetate	13.27	43	165441	18.787	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	112422	19.569	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	132108	21.004	ug/l	96
77) Bromobenzene	13.66	156	173542	19.381	ug/l	82
78) n-propylbenzene	13.77	91	739010	20.338	ug/l	98
79) 2-Chlorotoluene	13.84	91	445076	20.258	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	551768	20.050	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	30431	18.373	ug/l	93
82) 4-Chlorotoluene	13.95	91	533530	20.796	ug/l	99
83) tert-Butylbenzene	14.18	119	635667	20.429	ug/l	83
84) 1,2,4-Trimethylbenzene	14.23	105	573876	20.917	ug/l	100
85) sec-Butylbenzene	14.37	105	593407	17.949	ug/l	100
86) p-Isopropyltoluene	14.49	119	635704	20.612	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	301291	18.841	ug/l	91
88) 1,4-Dichlorobenzene	14.54	146	323053	21.073	ug/l	97
89) n-Butylbenzene	14.79	91	501069	17.626	ug/l	96
90) Hexachloroethane	15.01	117	158821	19.263	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	267595	18.793	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22925	20.819	ug/l	93

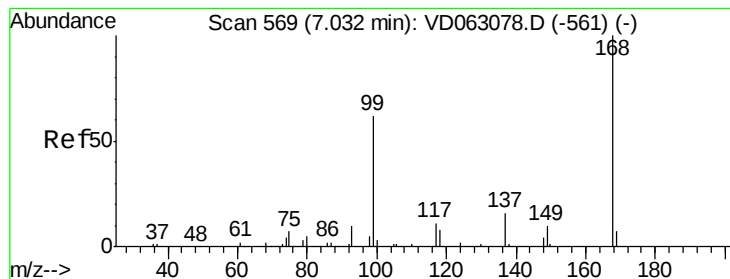
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	202094	18.891	ug/l	99
94) Hexachlorobutadiene	16.03	225	151452	19.207	ug/l	98
95) Naphthalene	16.12	128	324228	20.719	ug/l	95
96) 1,2,3-Trichlorobenzene	16.27	180	177168	20.587	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

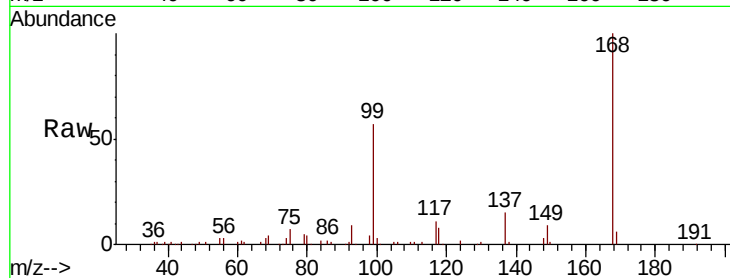
ClientSampled :

Tot Ion:168 Resp: 634961

Ion Ratio Lower Upper

168 100

99 57.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

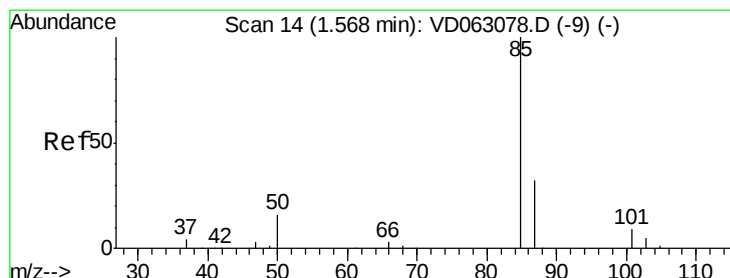
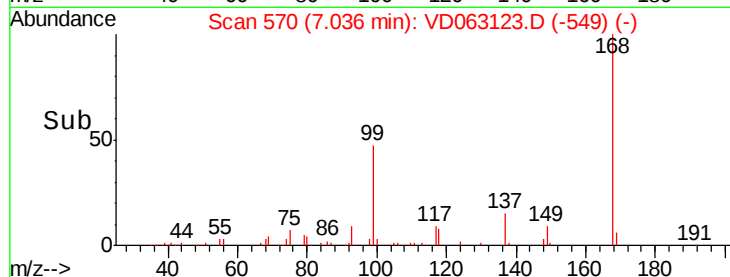
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 24.496 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063123.D

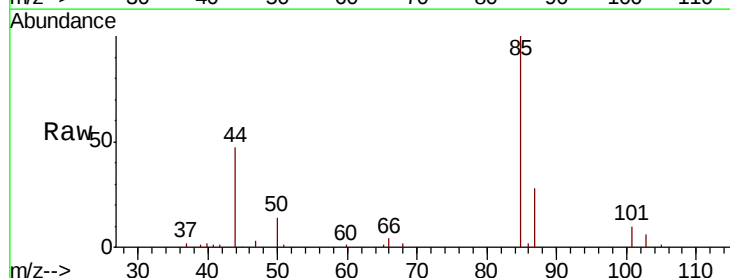
Acq: 17 Jul 2019 11:20

Tgt Ion: 85 Resp: 174889

Ion Ratio Lower Upper

85 100

87 27.6 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

80000

60000

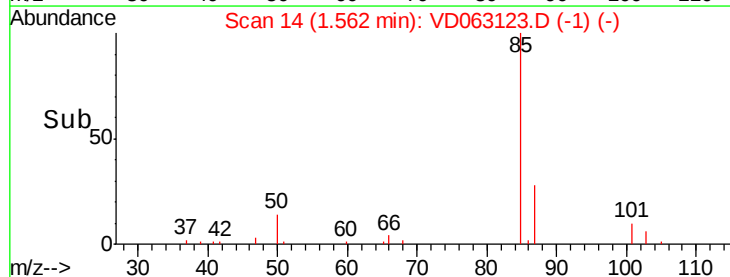
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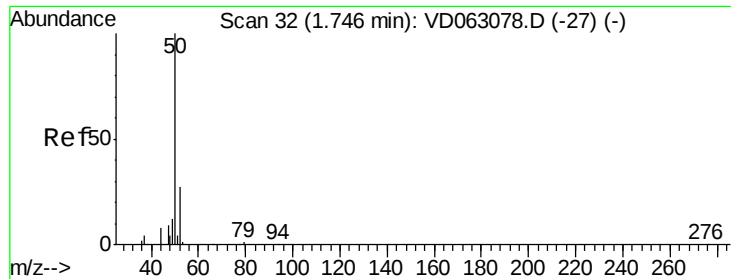
20000

0

1.50 1.60 1.70

Time-->

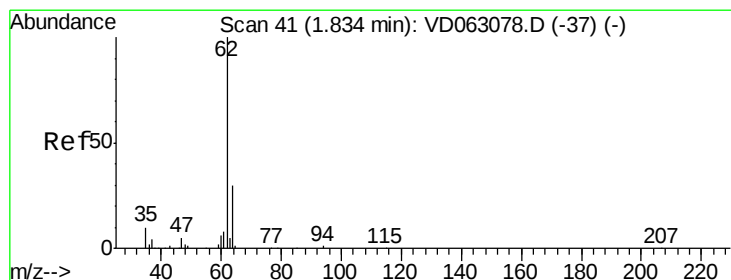
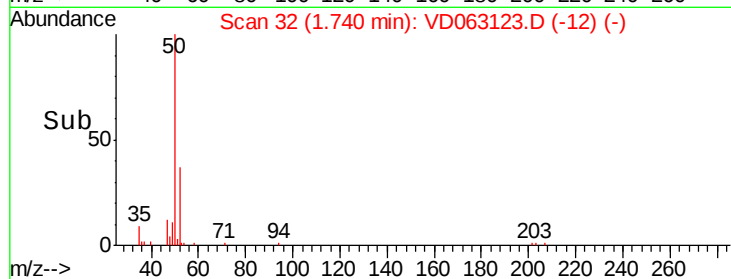
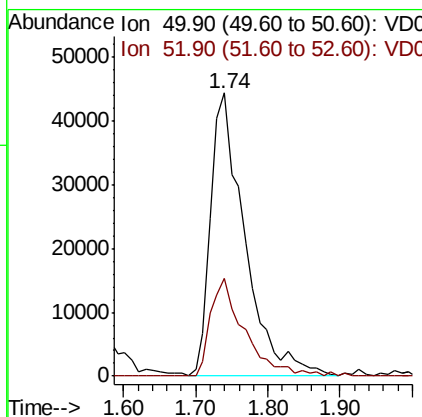
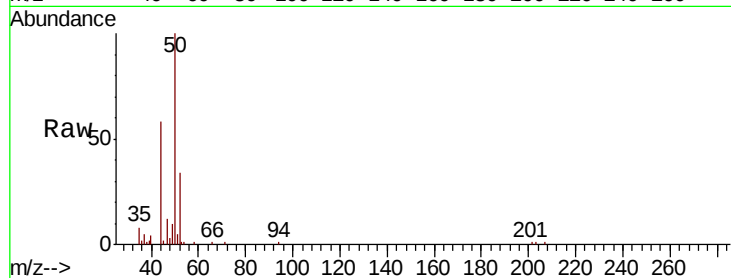




#3
Chloromethane
Concen: 23.587 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

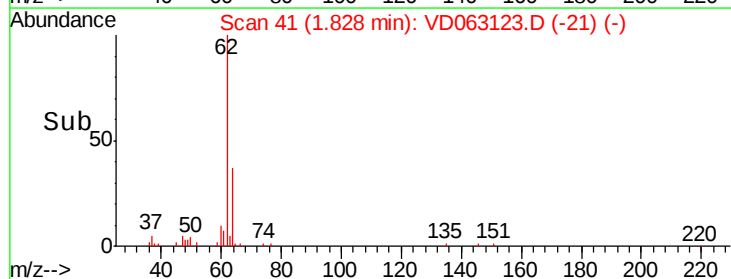
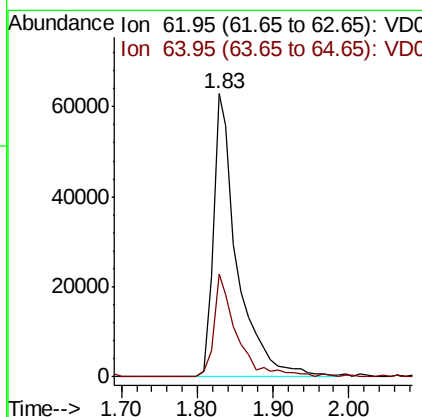
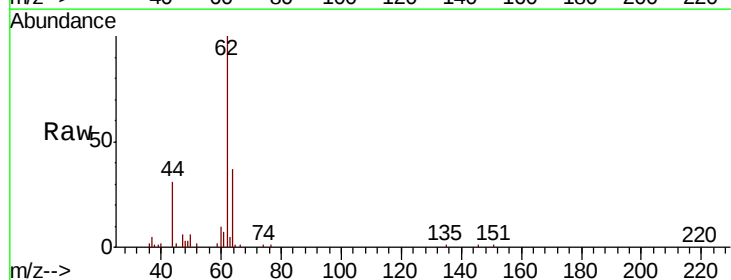
Instrument :
MSVOA_D
ClientSampled :

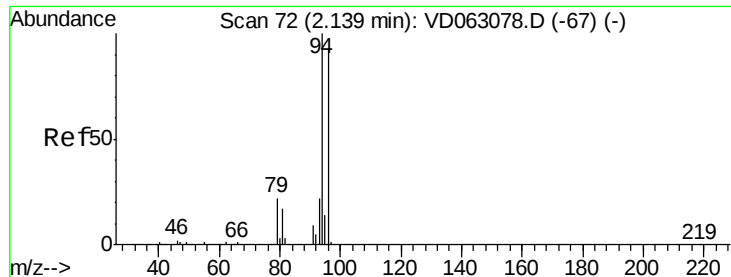
Tot Ion: 50 Resp: 145869
Ion Ratio Lower Upper
50 100
52 34.4 21.4 32.2#



#4
Vinyl Chloride
Concen: 20.475 ug/l
RT: 1.83 min Scan# 41
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 62 Resp: 138754
Ion Ratio Lower Upper
62 100
64 36.6 24.4 36.6





#5

Bromomethane

Concen: 20.561 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

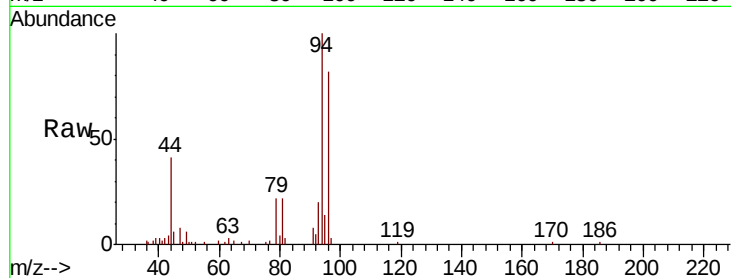
Tot Ion: 94 Resp: 58108

Ion Ratio Lower Upper

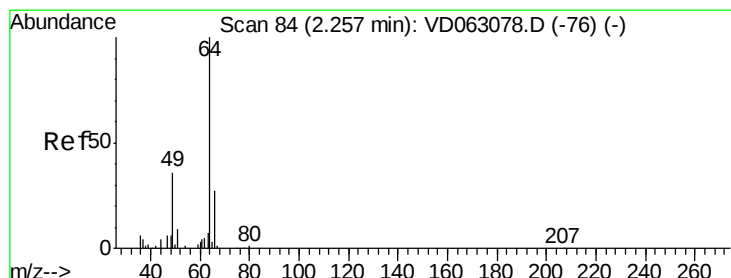
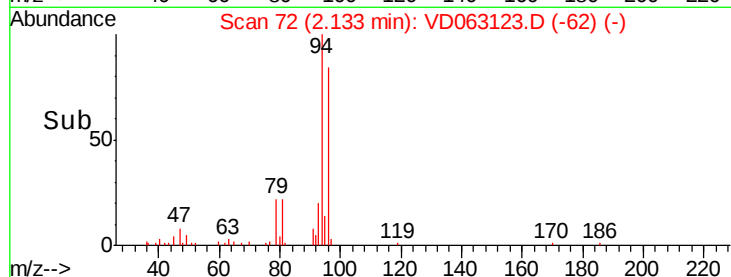
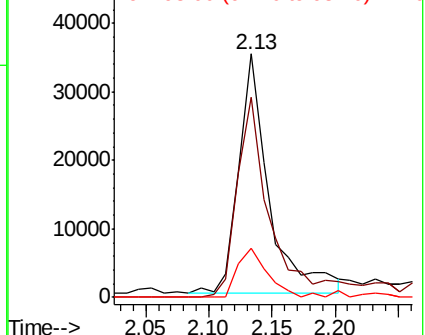
94 100

96 82.4 74.2 111.2

93 20.1 17.8 26.6



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



#6

Chloroethane

Concen: 21.152 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063123.D

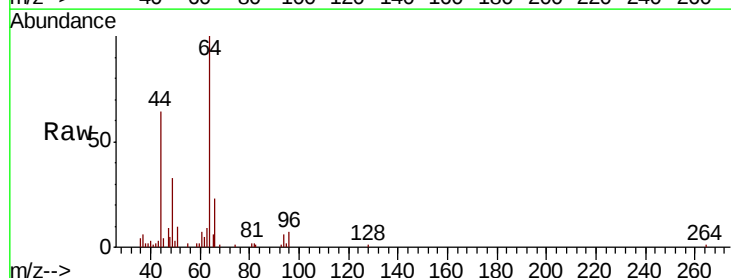
Acq: 17 Jul 2019 11:20

Tgt Ion: 64 Resp: 66584

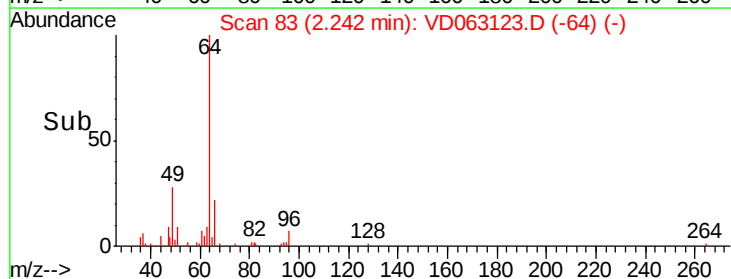
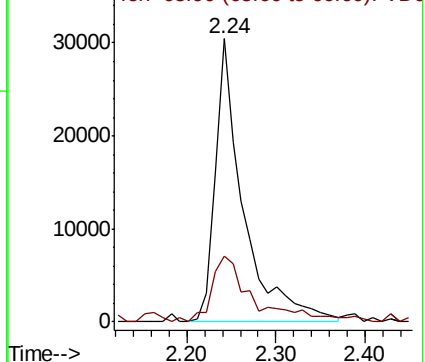
Ion Ratio Lower Upper

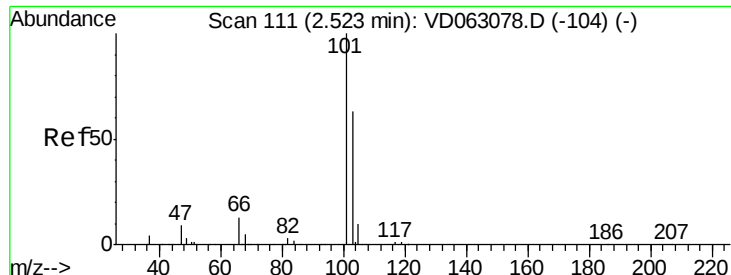
64 100

66 23.0 22.5 33.7



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



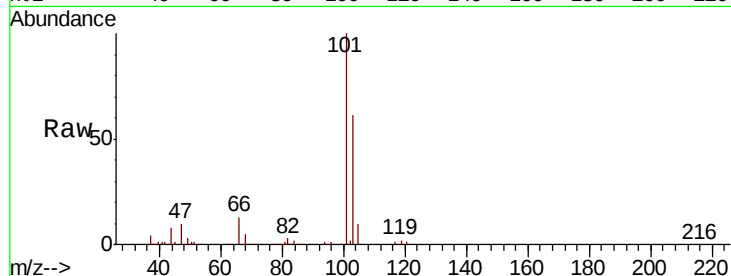


#7

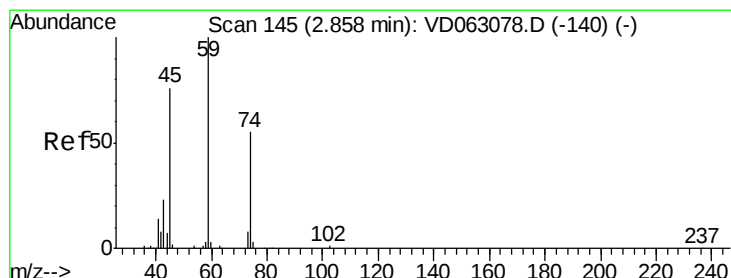
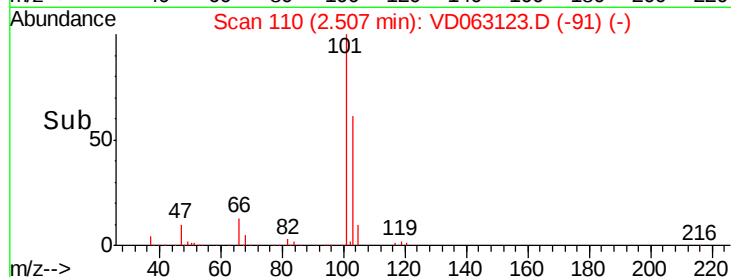
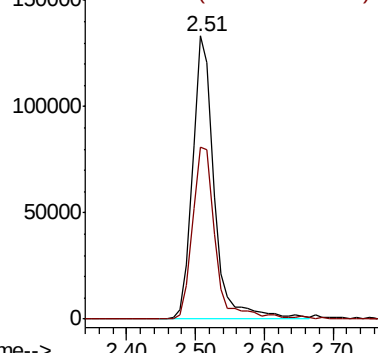
Trichlorofluoromethane
 Concen: 21.185 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.02 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 290632
 Ion Ratio Lower Upper
 101 100
 103 60.9 50.6 76.0



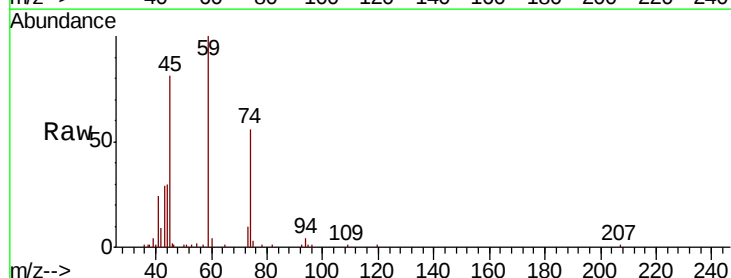
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



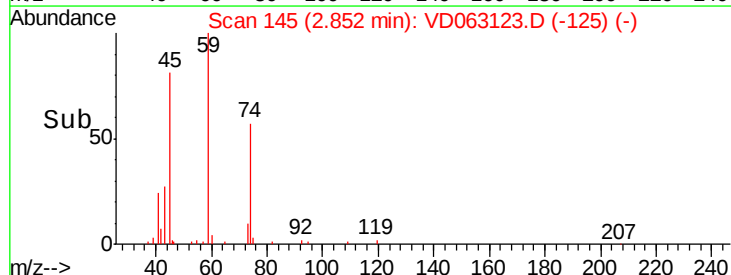
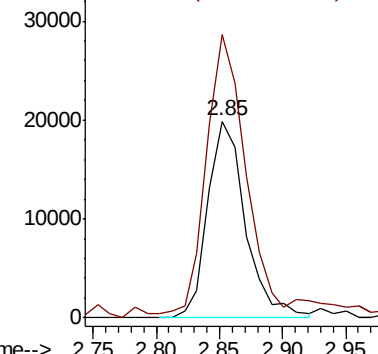
#8

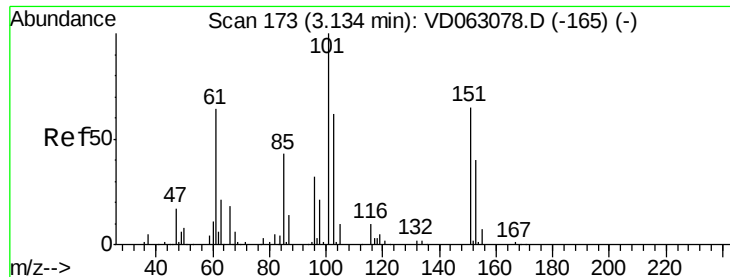
Diethyl Ether
 Concen: 21.349 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. -0.01 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion: 74 Resp: 41198
 Ion Ratio Lower Upper
 74 100
 45 143.8 69.5 208.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.396 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

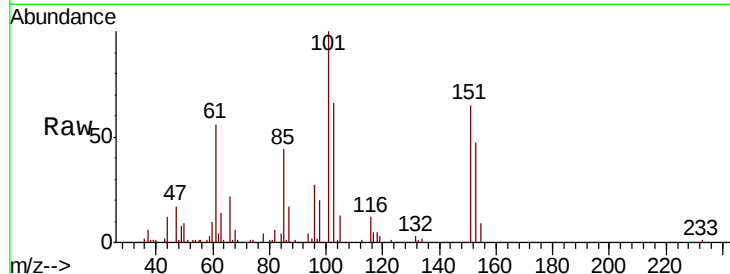
Tot Ion:101 Resp: 137612

Ion Ratio Lower Upper

101 100

85 43.6 34.6 51.8

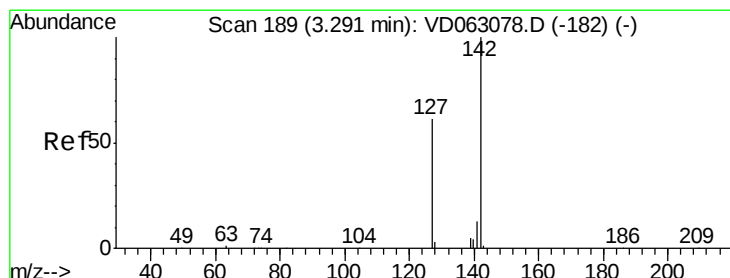
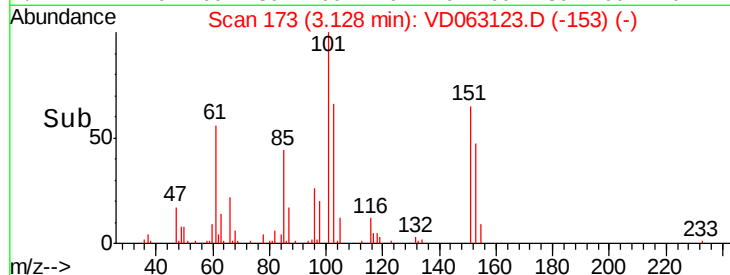
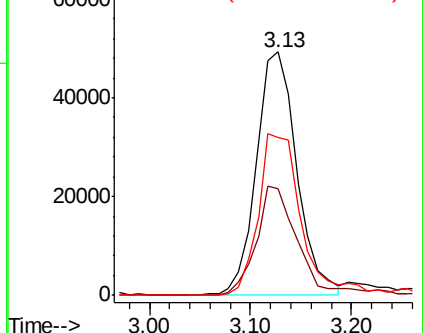
151 64.9 52.4 78.6



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: 19.076 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

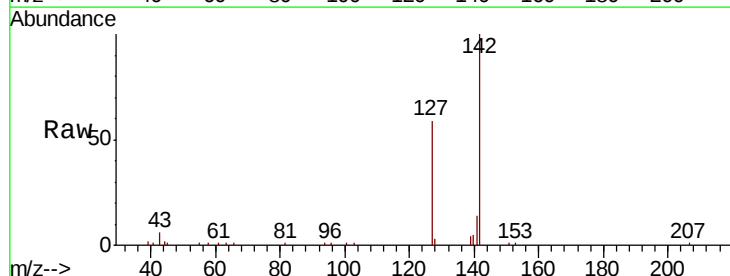
Tgt Ion:142 Resp: 185257

Ion Ratio Lower Upper

142 100

127 59.5 48.6 73.0

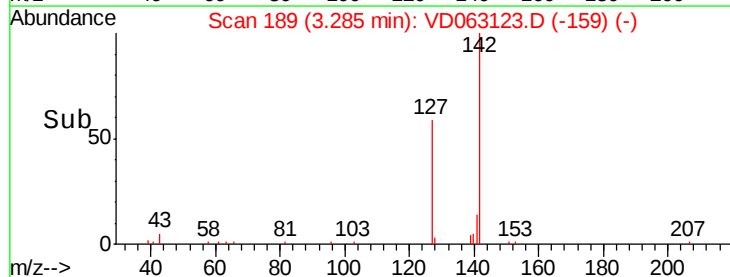
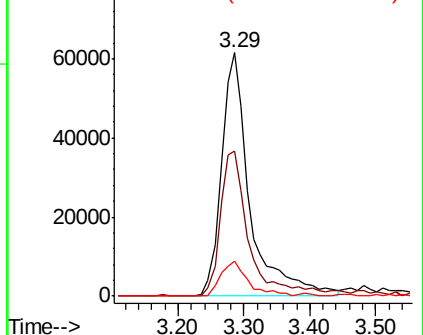
141 14.3 10.6 16.0

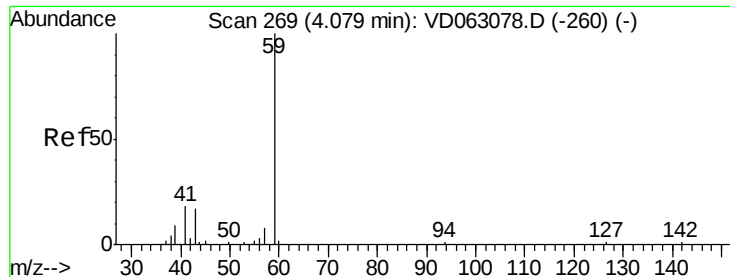


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

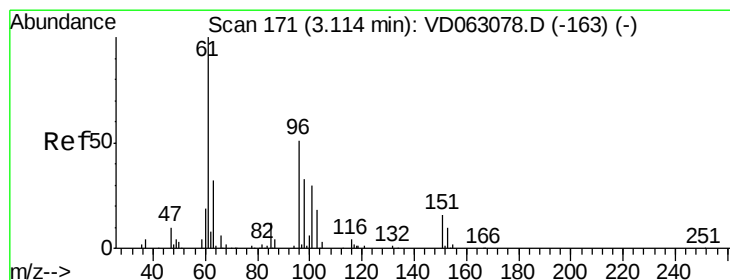
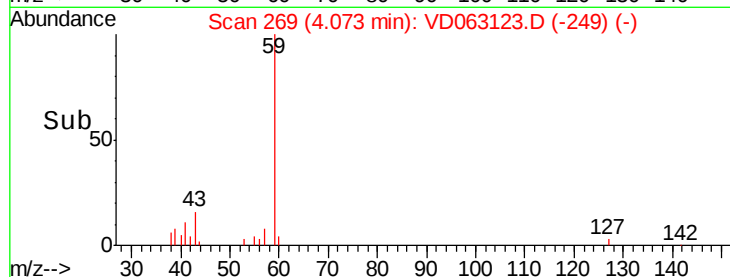
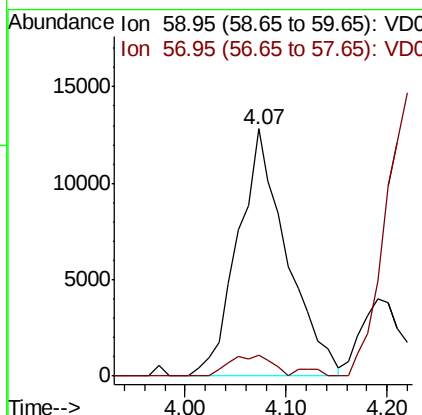
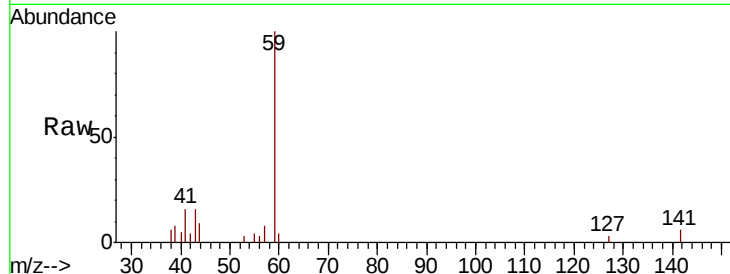




#11
Tert butyl alcohol
Concen: 94.454 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

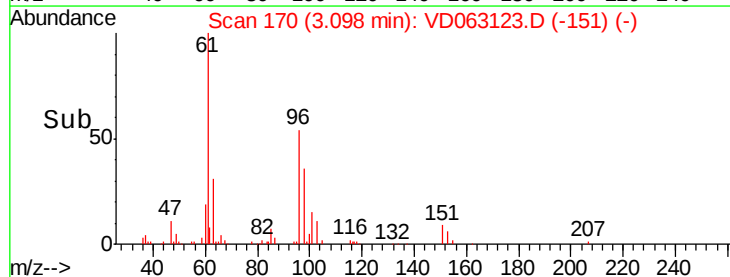
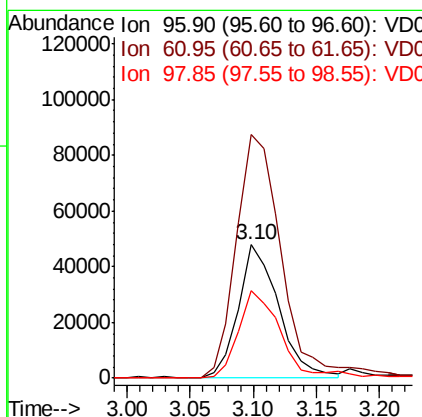
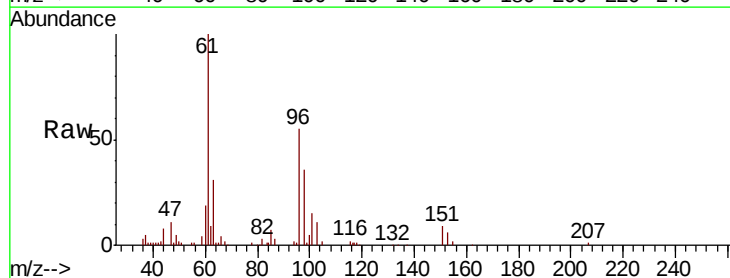
Instrument :
MSVOA_D
ClientSampleId :

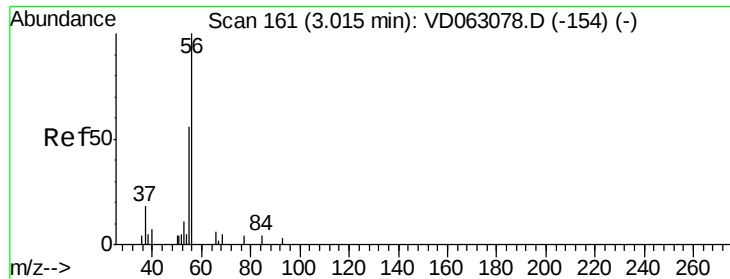
Tot Ion: 59 Resp: 43116
Ion Ratio Lower Upper
59 100
57 8.3 6.4 9.6



#12
1,1-Dichloroethene
Concen: 18.963 ug/l
RT: 3.10 min Scan# 170
Delta R.T. -0.02 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 96 Resp: 106523
Ion Ratio Lower Upper
96 100
61 183.2 155.5 233.3
98 66.2 51.5 77.3

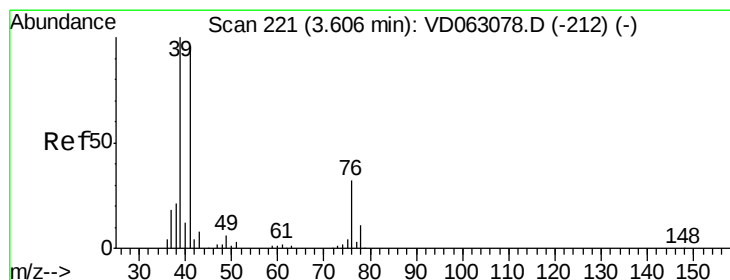
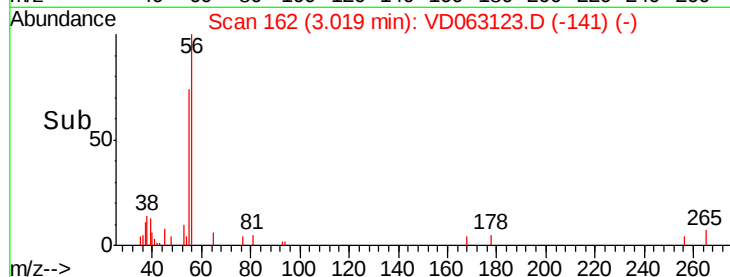
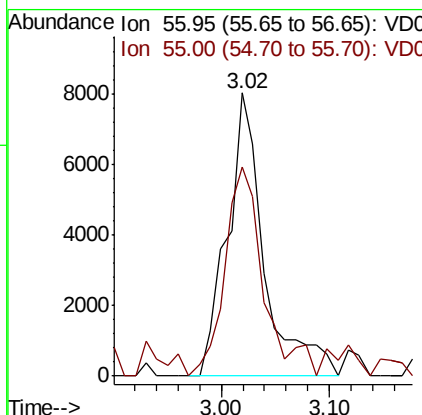
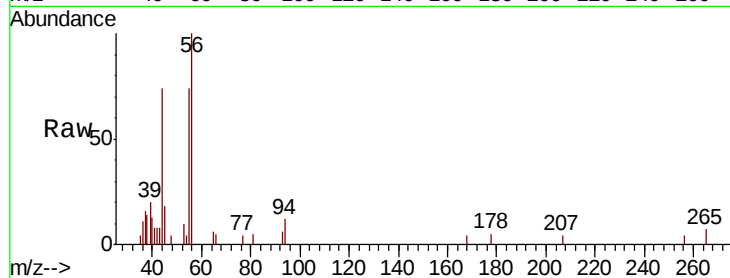




#13
Acrolein
Concen: 138.918 ug/l
RT: 3.02 min Scan# 162
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

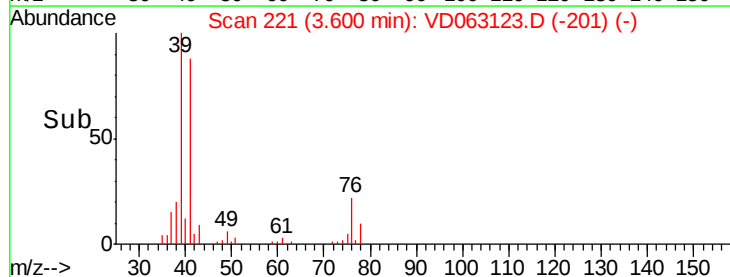
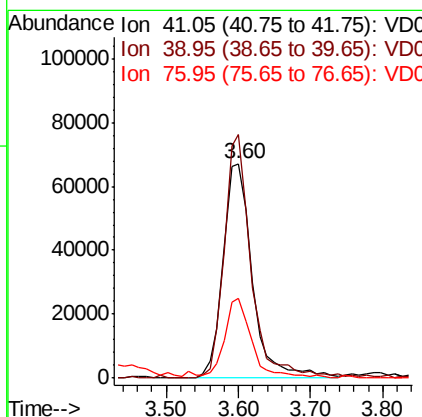
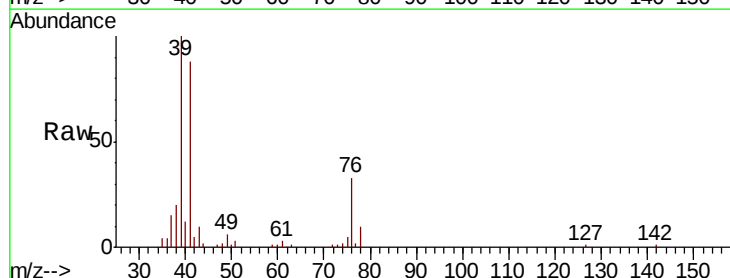
Instrument :
MSVOA_D
ClientSampleId :

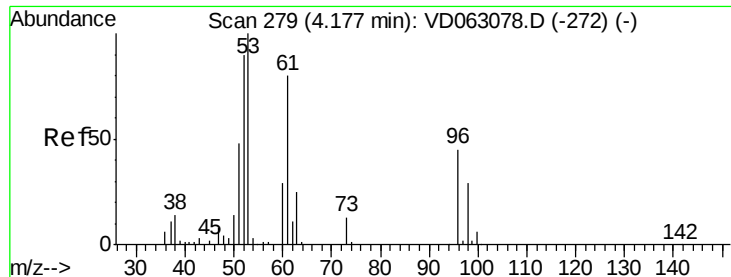
Tot Ion: 56 Resp: 19139
Ion Ratio Lower Upper
56 100
55 74.1 53.0 79.4



#14
Allyl chloride
Concen: 21.553 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 41 Resp: 190282
Ion Ratio Lower Upper
41 100
39 113.6 83.5 125.3
76 37.4 27.8 41.8





#15

Acrylonitrile

Concen: 102.888 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

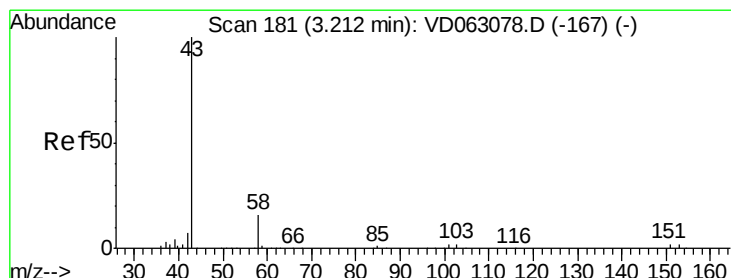
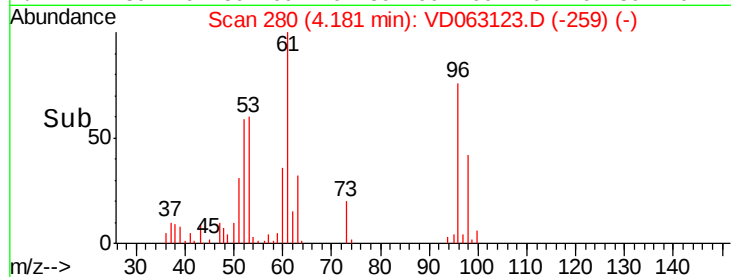
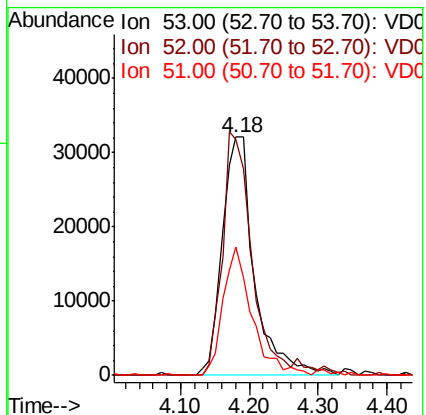
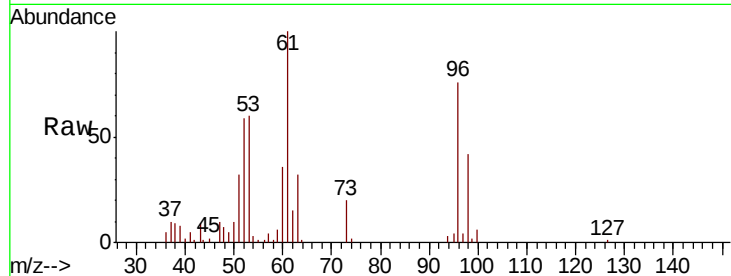
Tot Ion: 53 Resp: 103818

Ion Ratio Lower Upper

53 100

52 98.8 72.3 108.5

51 54.1 38.0 57.0



#16

Acetone

Concen: 89.924 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063123.D

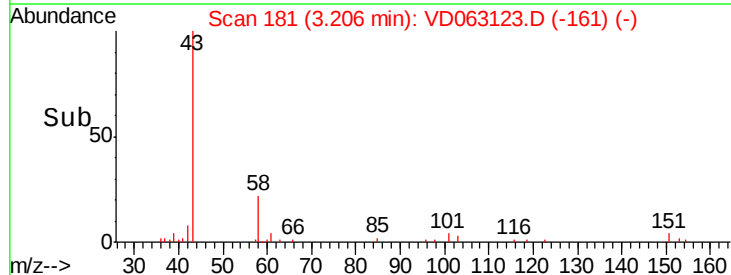
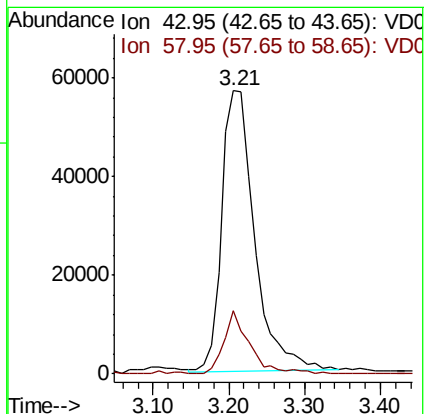
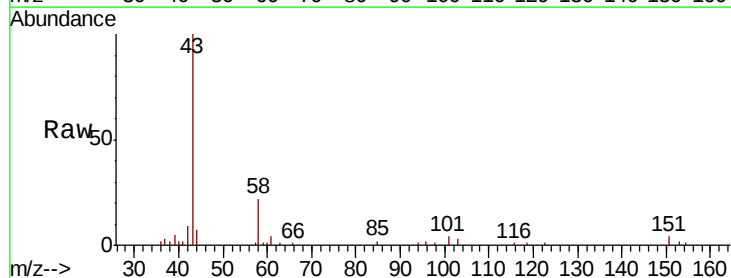
Acq: 17 Jul 2019 11:20

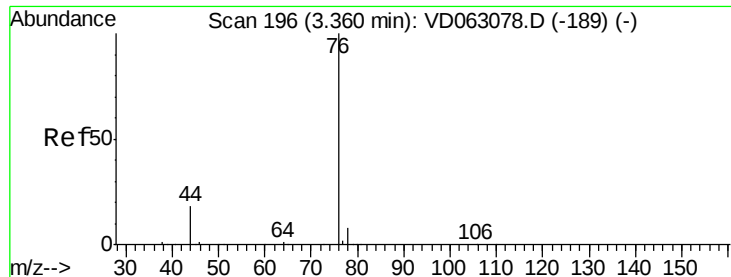
Tgt Ion: 43 Resp: 171792

Ion Ratio Lower Upper

43 100

58 22.4 13.0 19.4#

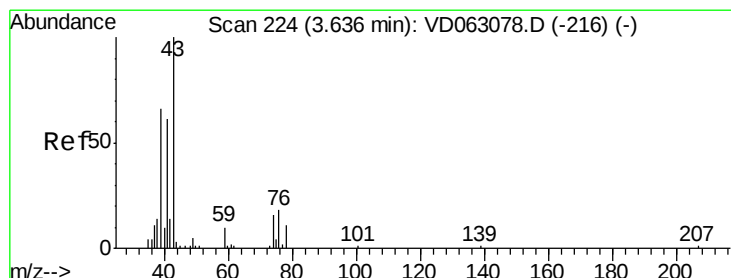
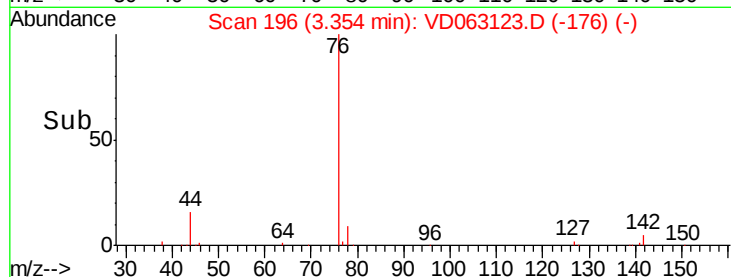
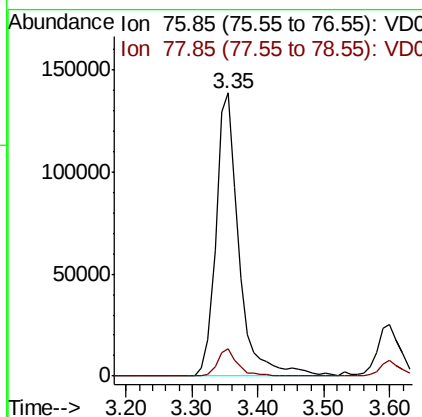
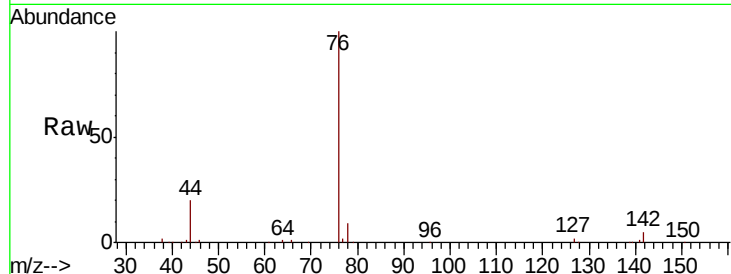




#17
Carbon Disulfide
Concen: 20.821 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

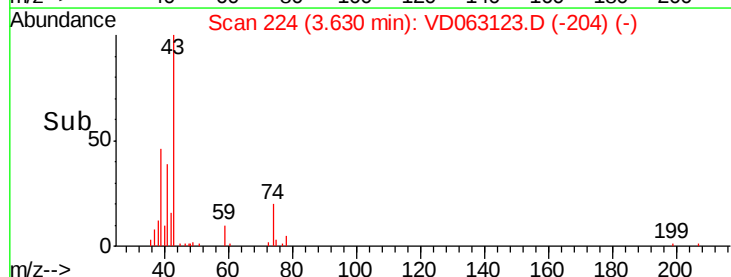
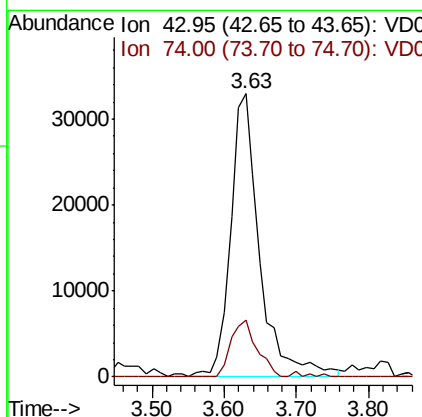
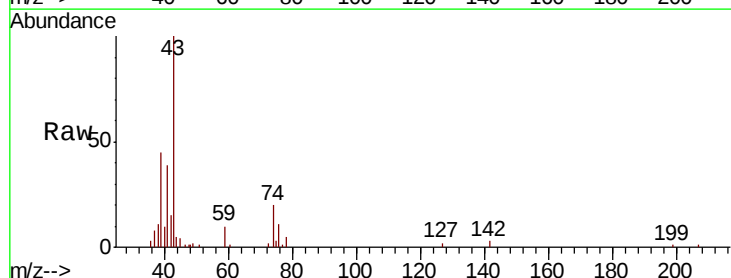
Instrument :
MSVOA_D
ClientSampled :

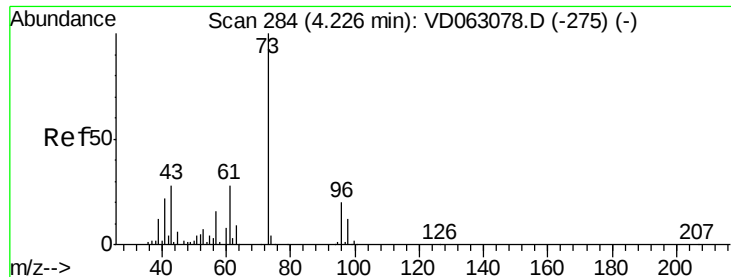
Tot Ion: 76 Resp: 334772
Ion Ratio Lower Upper
76 100
78 9.5 6.7 10.1



#18
Methyl Acetate
Concen: 34.757 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 43 Resp: 92386
Ion Ratio Lower Upper
43 100
74 19.9 12.5 18.7#



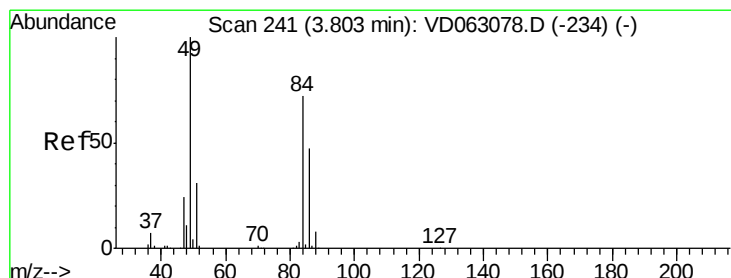
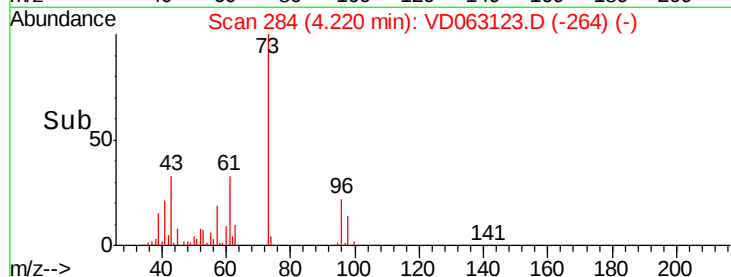
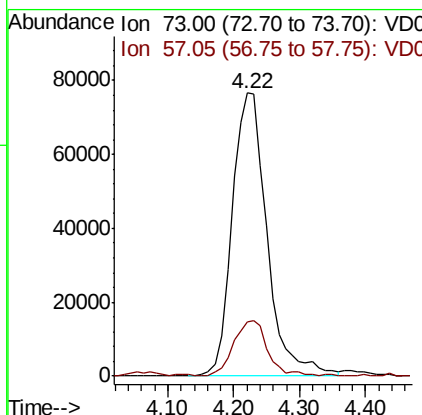
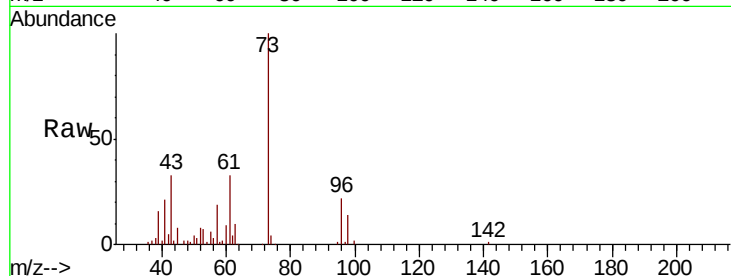


#19

Methyl tert-butyl Ether
 Concen: 20.061 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

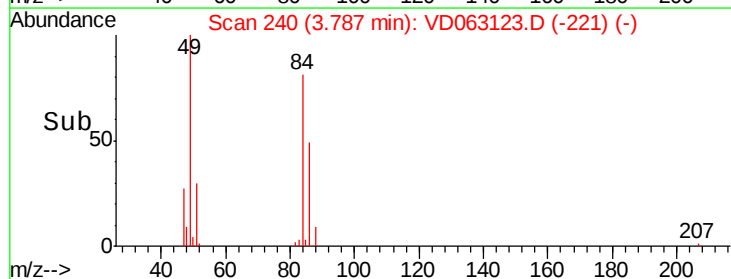
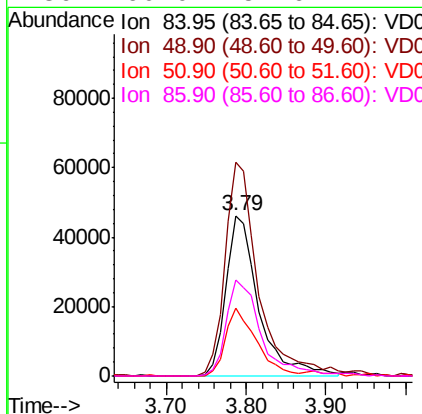
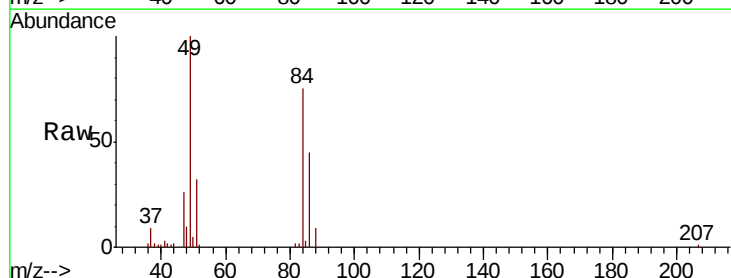
Tot Ion: 73 Resp: 284468
 Ion Ratio Lower Upper
 73 100
 57 19.2 13.1 19.7

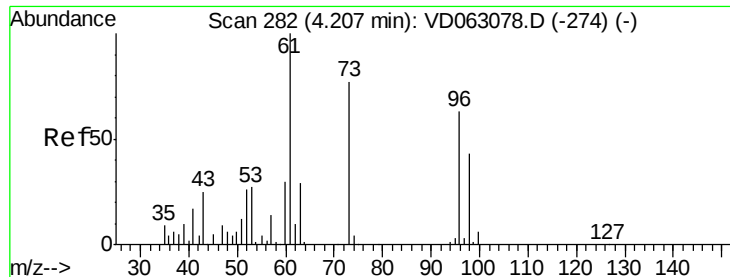


#20

Methylene Chloride
 Concen: 18.441 ug/l
 RT: 3.79 min Scan# 240
 Delta R.T. -0.02 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion: 84 Resp: 133094
 Ion Ratio Lower Upper
 84 100
 49 133.4 110.5 165.7
 51 42.7 34.6 51.8
 86 60.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 21.725 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampled :

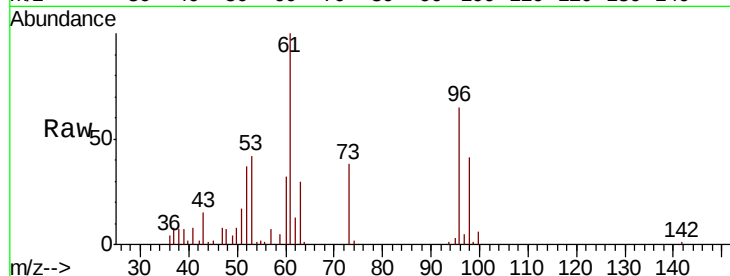
Tot Ion: 96 Resp: 135471

Ion Ratio Lower Upper

96 100

61 153.9 128.0 192.0

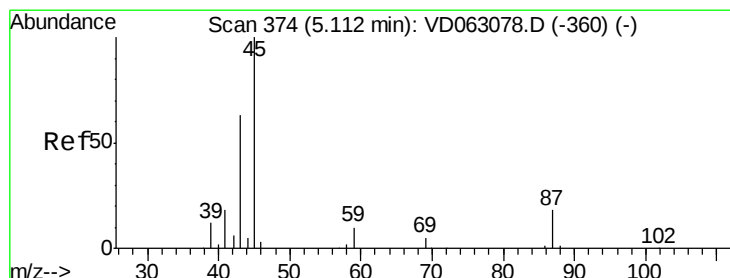
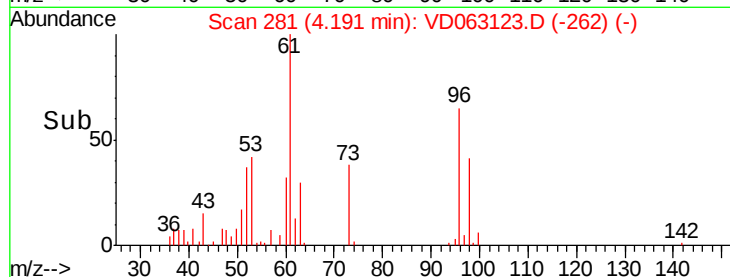
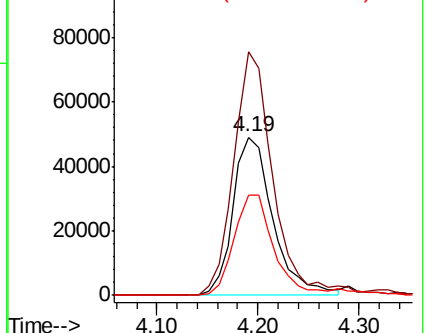
98 63.1 55.2 82.8



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



#22

Diisopropyl ether

Concen: 21.280 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Tgt Ion: 45 Resp: 408451

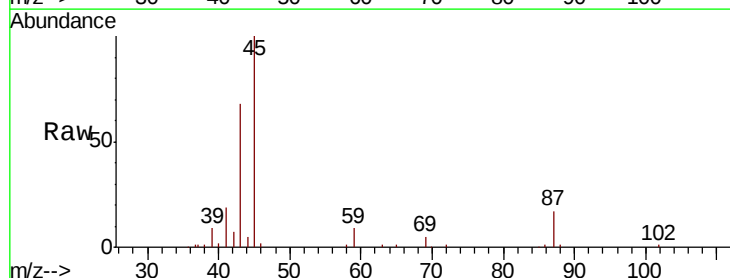
Ion Ratio Lower Upper

45 100

43 68.2 50.5 75.7

87 17.4 15.1 22.7

59 8.7 7.6 11.4

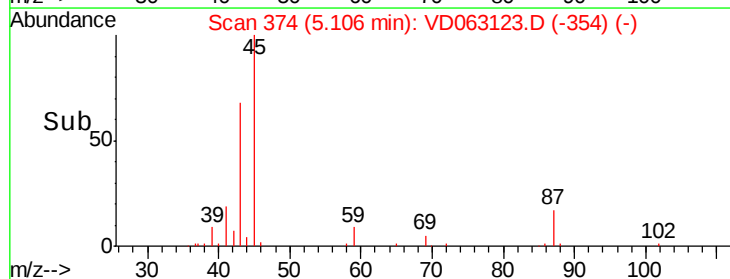
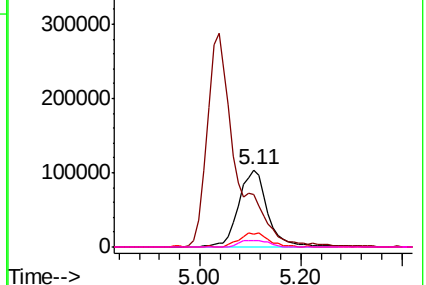


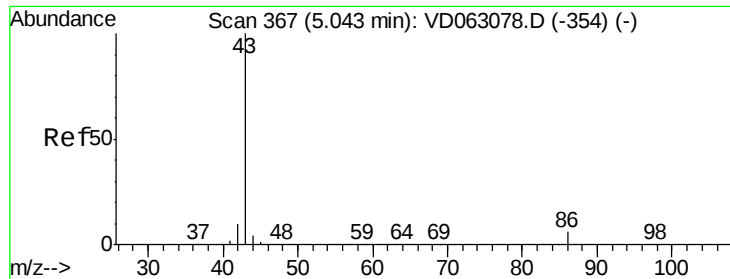
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 102.759 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

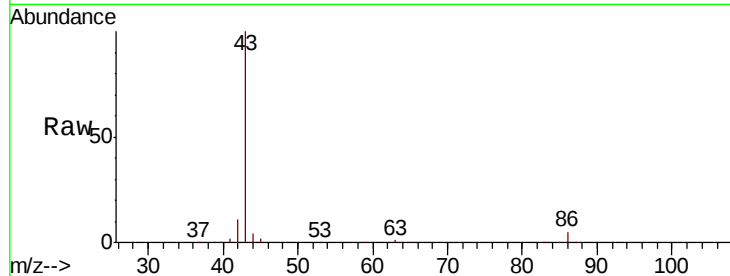
ClientSampleId :

Tot Ion: 43 Resp: 1150733

Ion Ratio Lower Upper

43 100

86 5.2 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

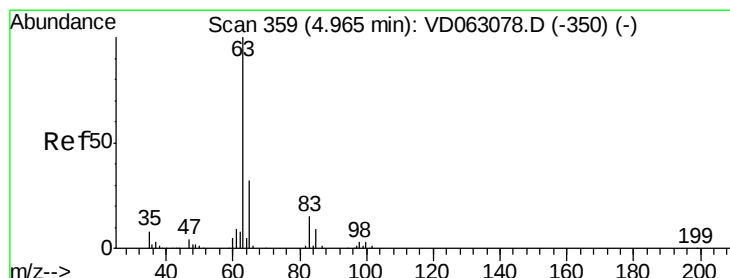
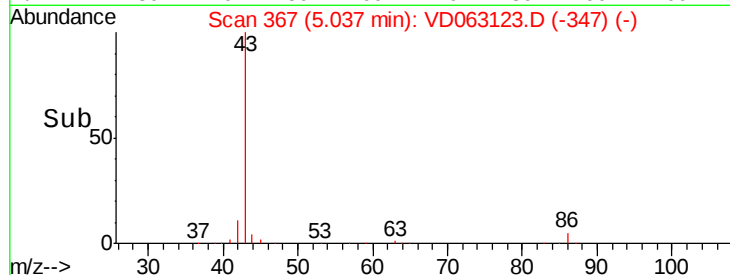
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.493 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

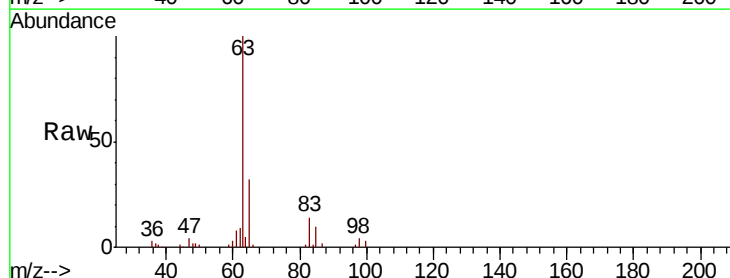
Tgt Ion: 63 Resp: 242299

Ion Ratio Lower Upper

63 100

98 3.7 1.7 5.1

100 3.1 1.5 4.5



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

80000

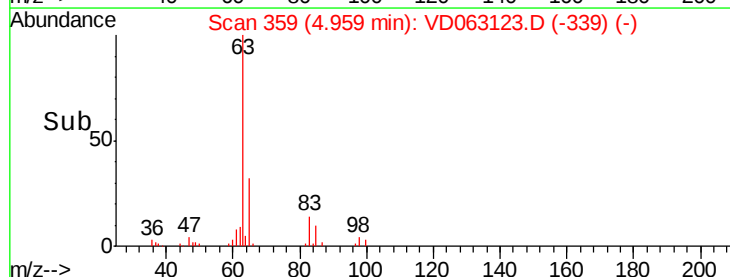
60000

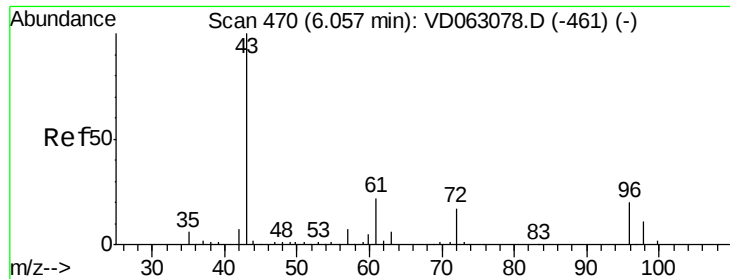
40000

20000

0

Time-->





#25

2-Butanone

Concen: 99.274 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

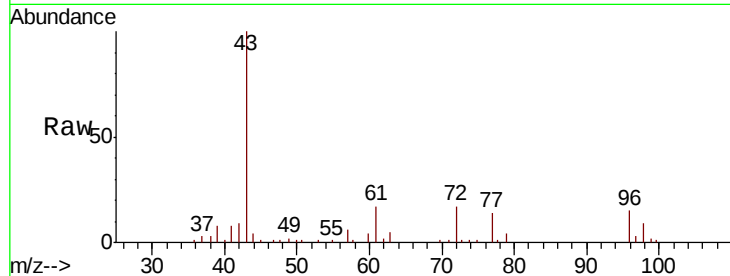
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 181105

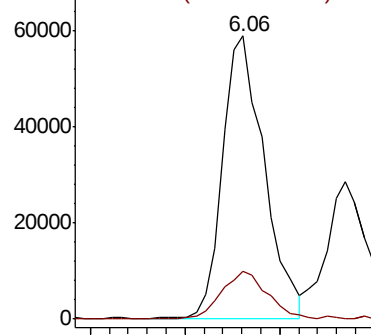
Ion Ratio Lower Upper

43 100

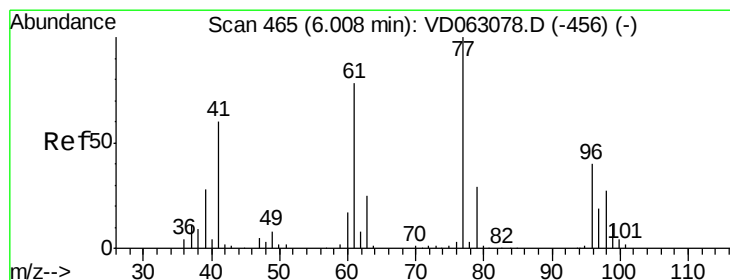
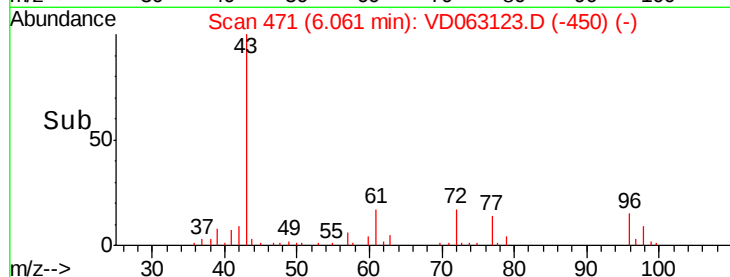
72 16.7 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 20.220 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063123.D

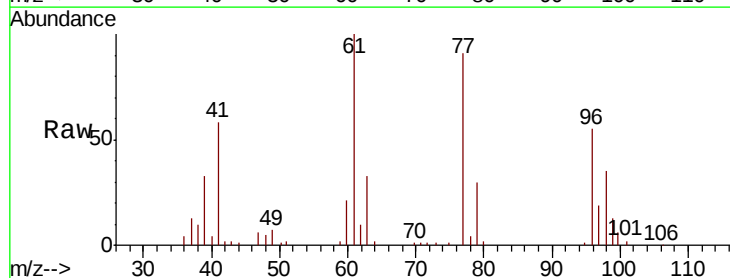
Acq: 17 Jul 2019 11:20

Tgt Ion: 77 Resp: 264590

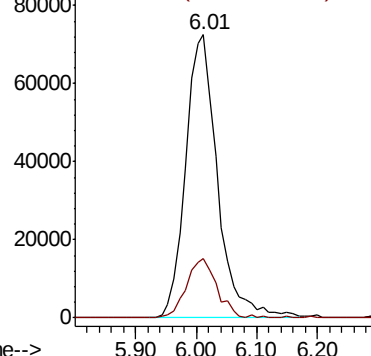
Ion Ratio Lower Upper

77 100

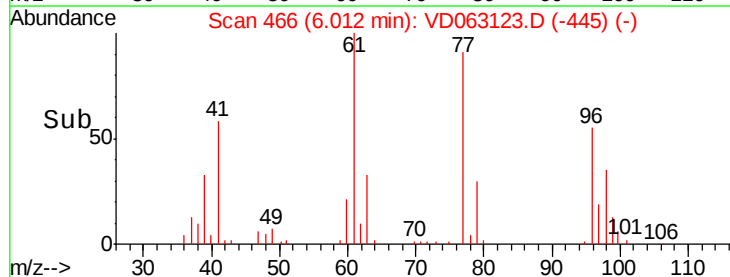
97 21.1 9.3 27.9

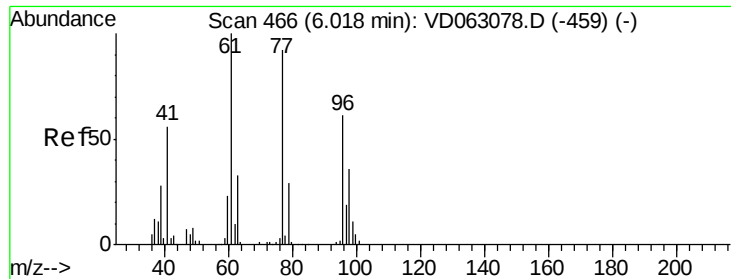


Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



Time--> 5.90 6.00 6.10 6.20



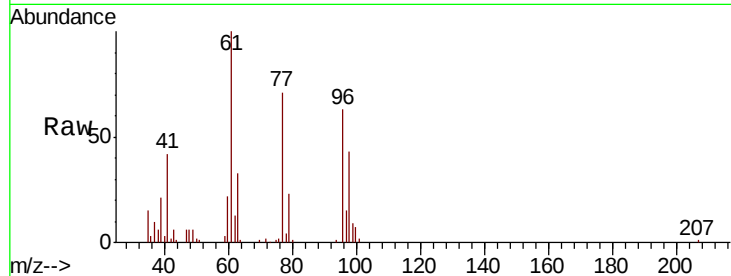


#27

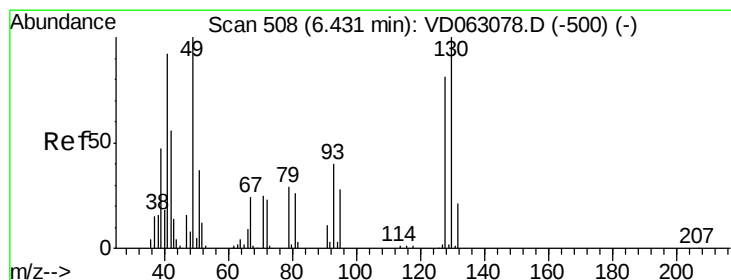
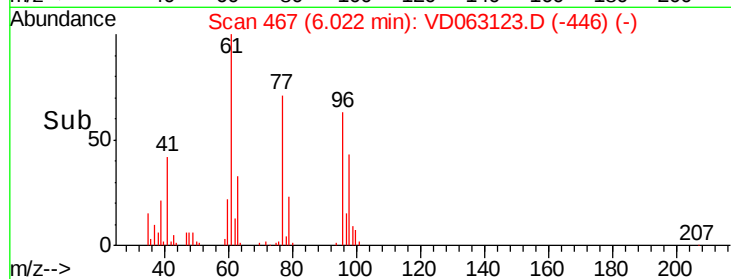
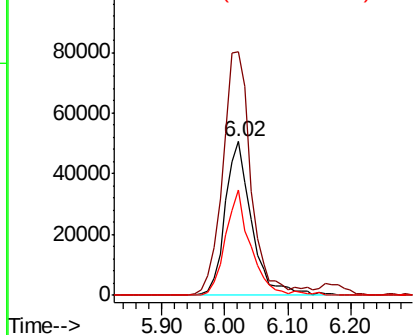
cis-1,2-Dichloroethene
Concen: 20.794 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 147504
Ion Ratio Lower Upper
96 100
61 158.5 0.0 329.6
98 68.5 0.0 118.4



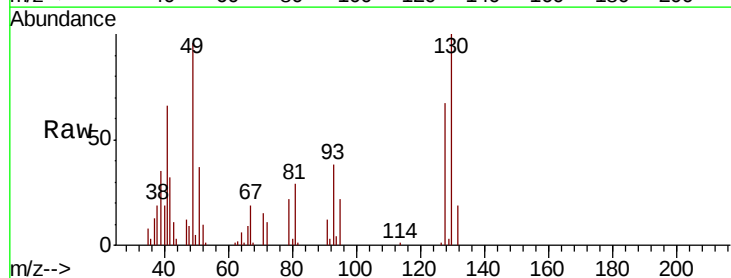
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



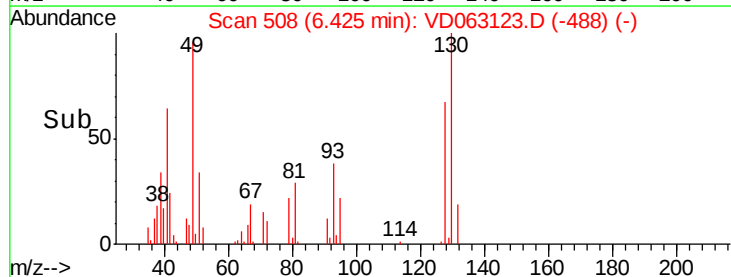
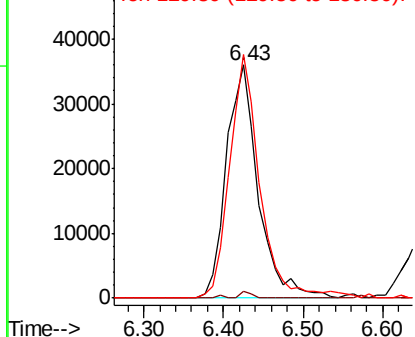
#28

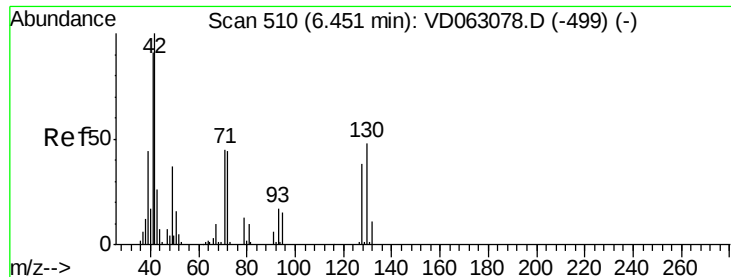
Bromochloromethane
Concen: 23.538 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 49 Resp: 100969
Ion Ratio Lower Upper
49 100
129 2.8 0.0 3.6
130 104.6 80.3 120.5



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

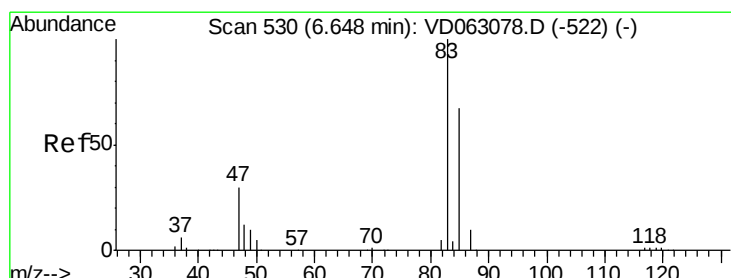
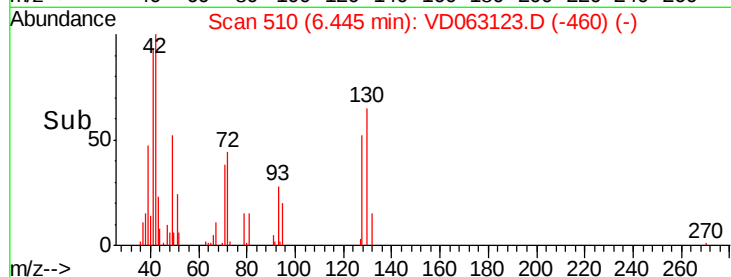
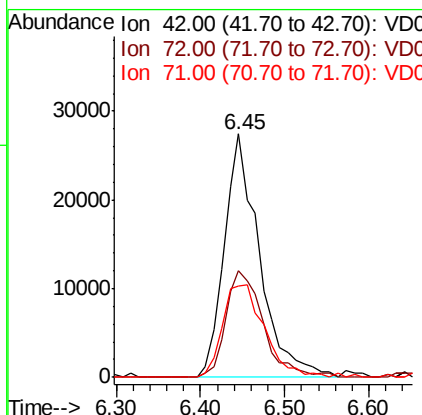
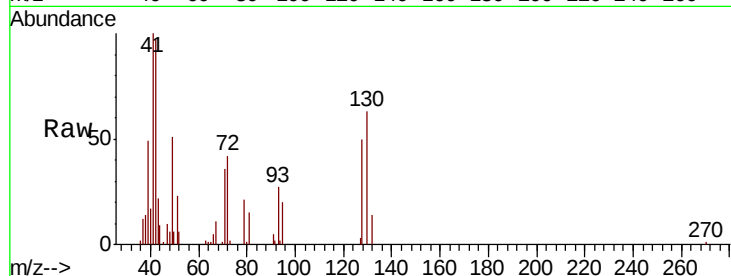




#29
Tetrahydrofuran
Concen: 95.955 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

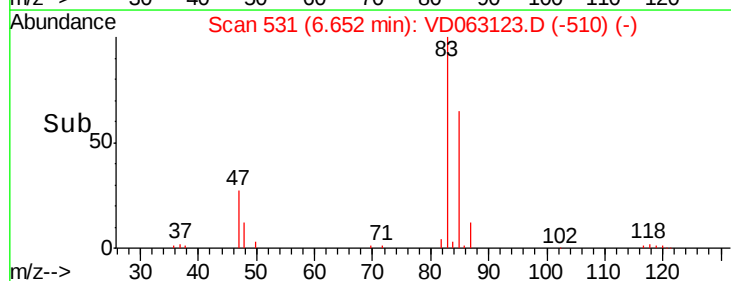
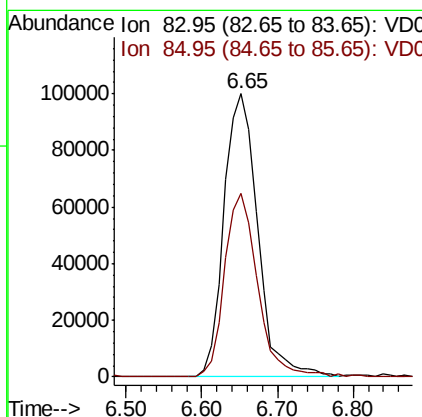
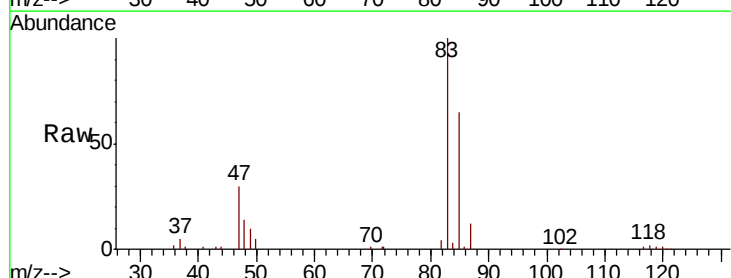
Instrument :
MSVOA_D
ClientSampleId :

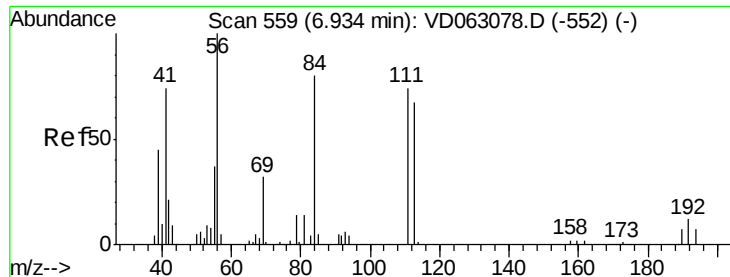
Tot Ion: 42 Resp: 79351
Ion Ratio Lower Upper
42 100
72 46.6 33.7 50.5
71 45.7 34.2 51.2



#30
Chloroform
Concen: 21.205 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 83 Resp: 308774
Ion Ratio Lower Upper
83 100
85 64.9 53.8 80.8

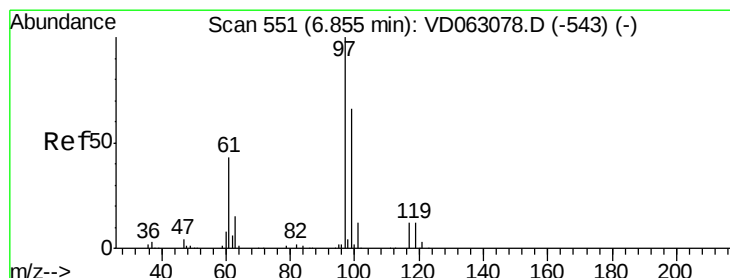
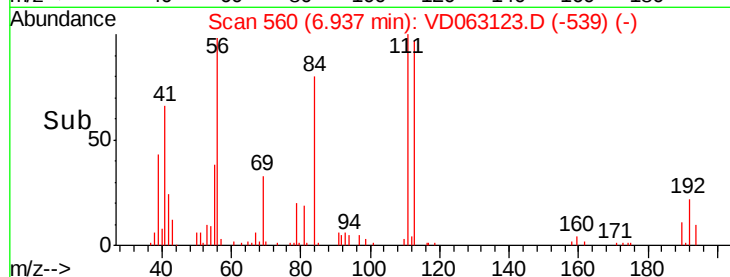
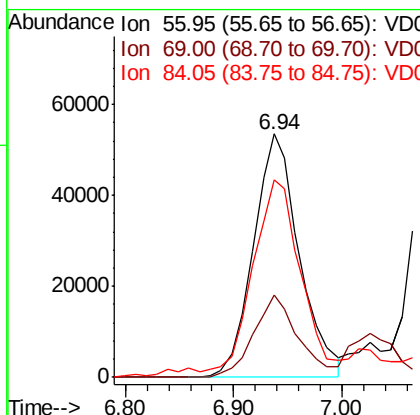
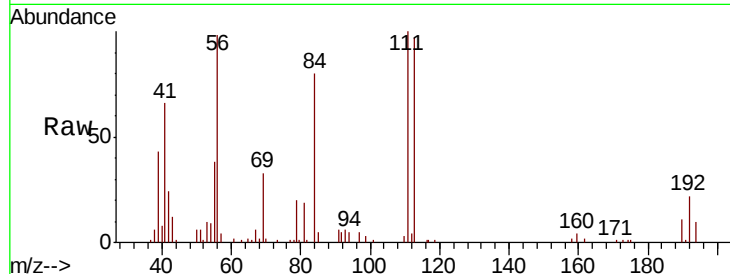




#31
Cyclohexane
Concen: 20.973 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

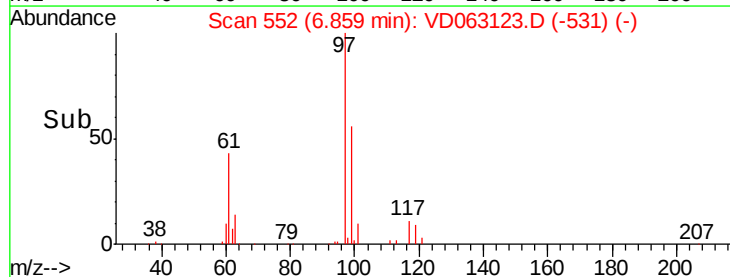
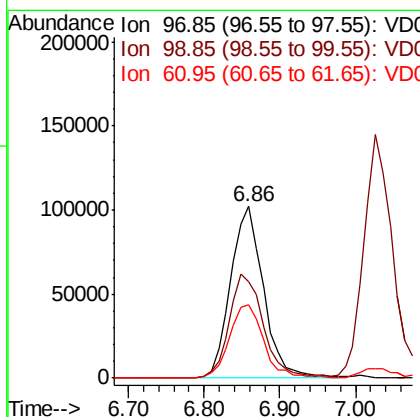
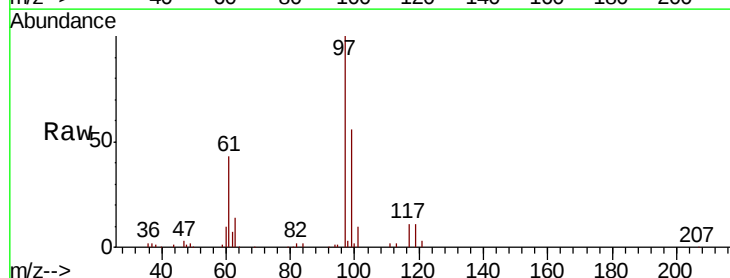
Instrument :
MSVOA_D
ClientSampleId :

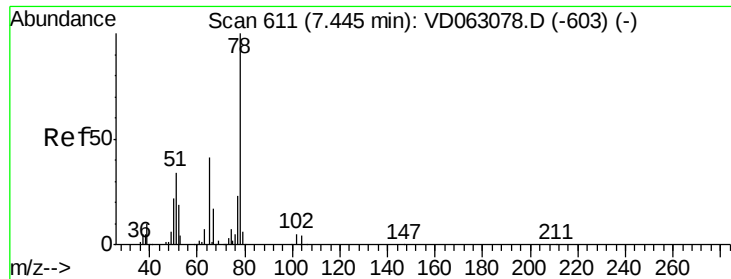
Tot Ion: 56 Resp: 157921
Ion Ratio Lower Upper
56 100
69 33.9 25.3 37.9
84 81.2 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 21.411 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 97 Resp: 307440
Ion Ratio Lower Upper
97 100
99 56.2 52.9 79.3
61 42.8 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 48.372 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

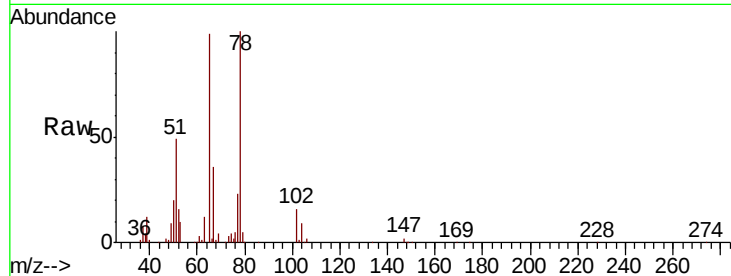
ClientSampleId :

Tot Ion: 65 Resp: 382604

Ion Ratio Lower Upper

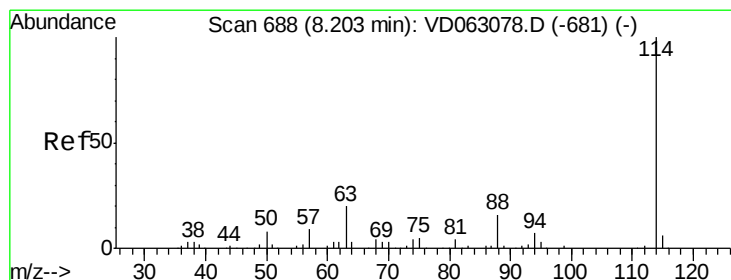
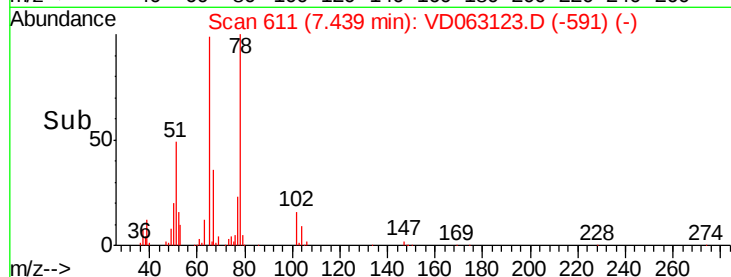
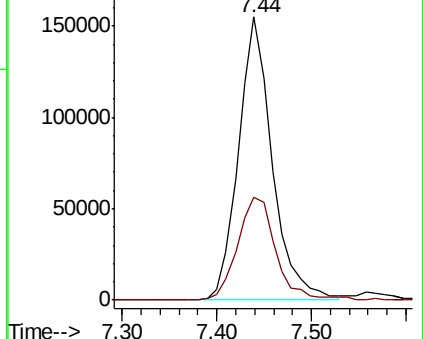
65 100

67 36.6 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

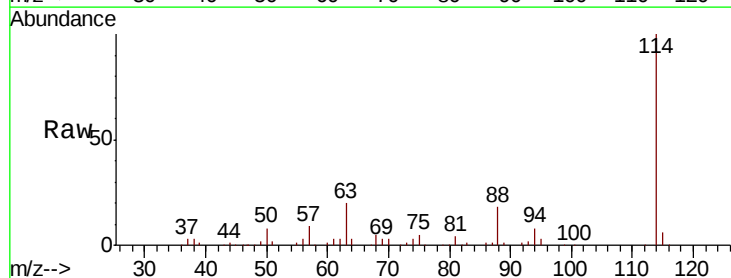
Tgt Ion: 114 Resp: 839295

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

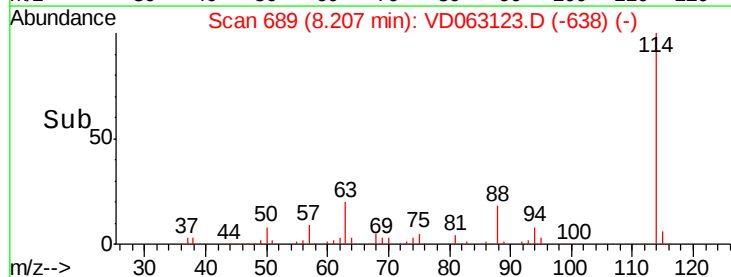
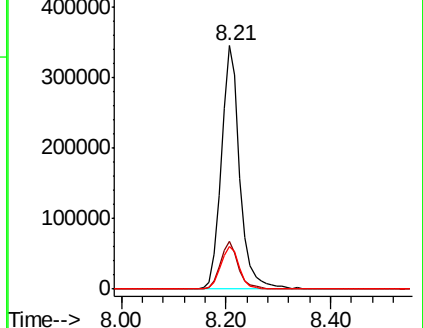
88 17.5 0.0 32.6

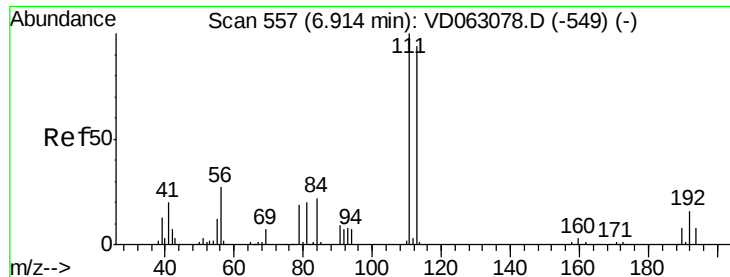


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.630 ug/l

RT: 6.91 min Scan# 557

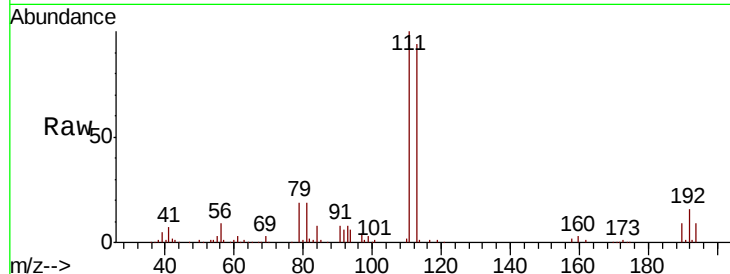
Delta R.T. -0.01 min

Lab File: VD063123.D

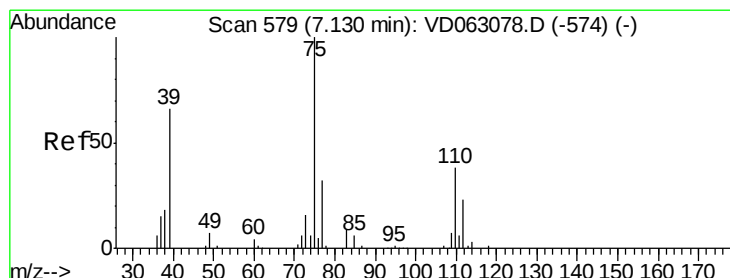
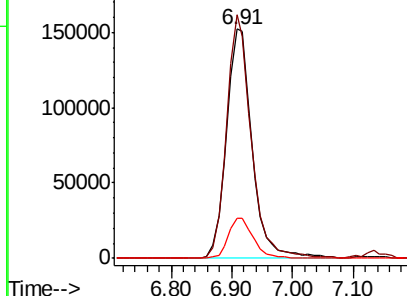
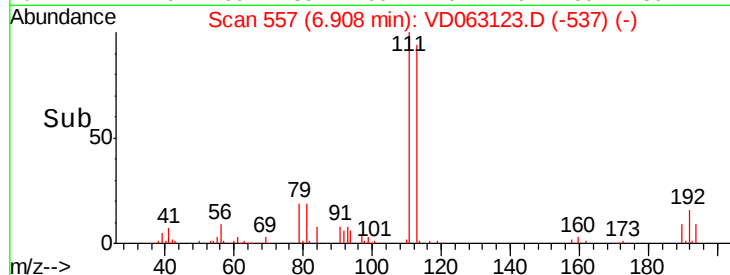
Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	113	Resp:	448321
Ion	Ratio	Lower	Upper
113	100		
111	106.1	84.8	127.2
192	17.4	13.4	20.0



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: 19.739 ug/l

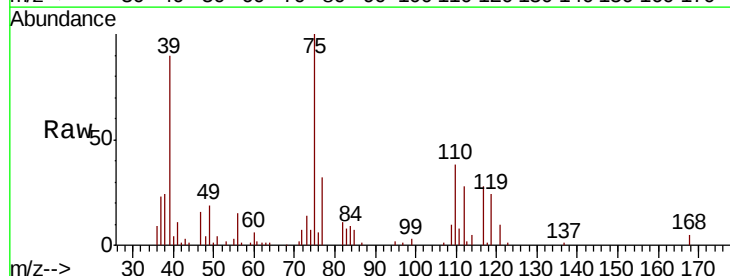
RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

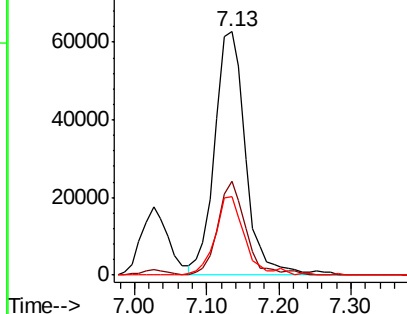
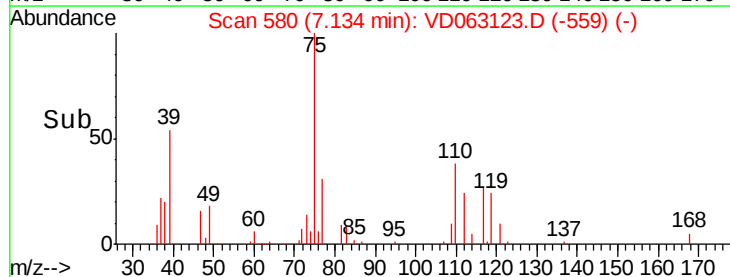
Lab File: VD063123.D

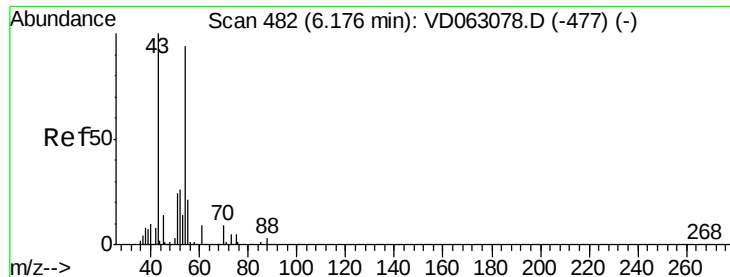
Acq: 17 Jul 2019 11:20

Tgt Ion:	75	Resp:	186322
Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.9	56.5
77	32.3	25.2	37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

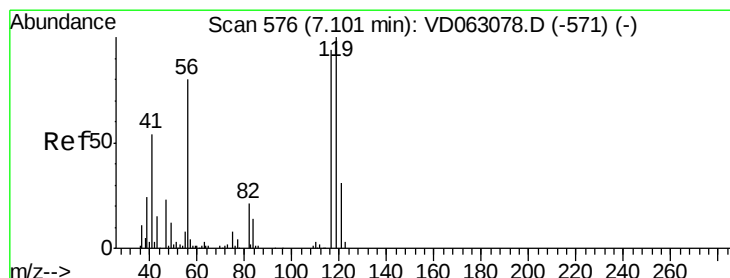
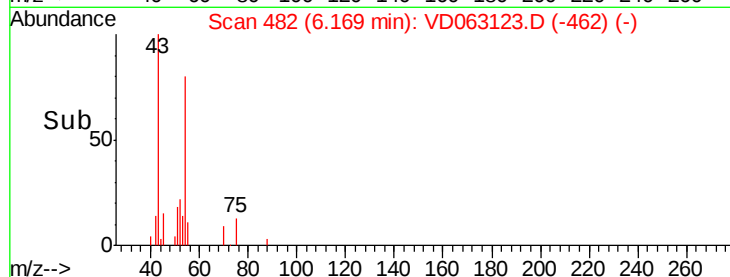
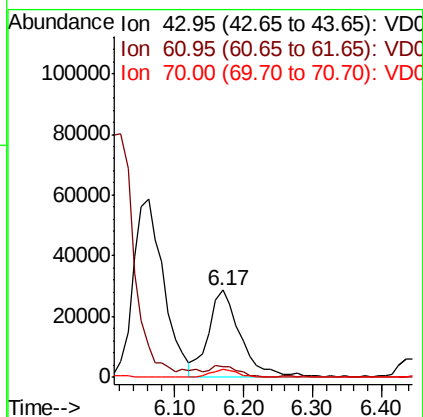
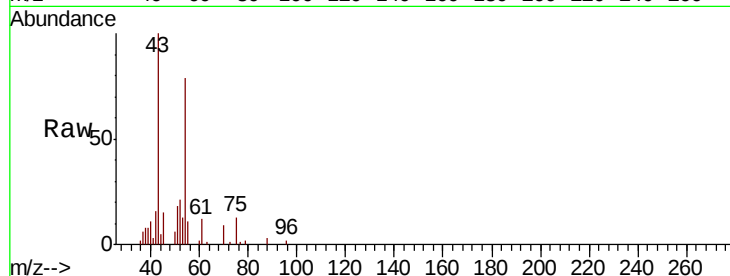




#37
Ethyl Acetate
Concen: 23.128 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

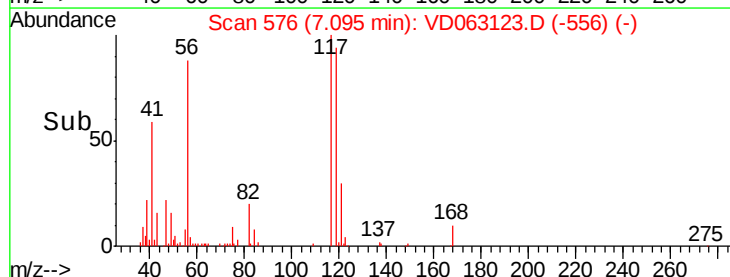
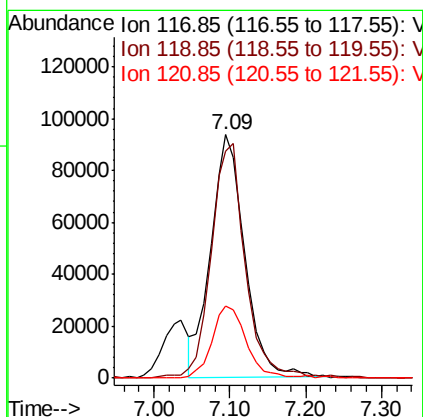
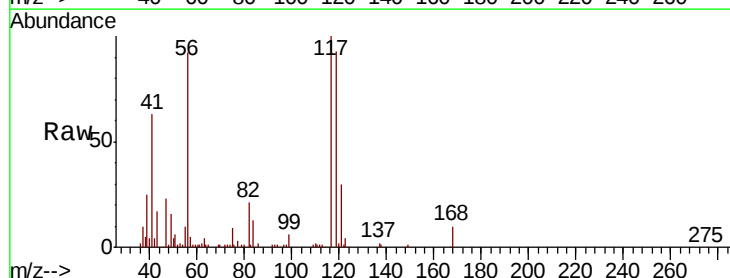
Instrument :
MSVOA_D
ClientSampleID :

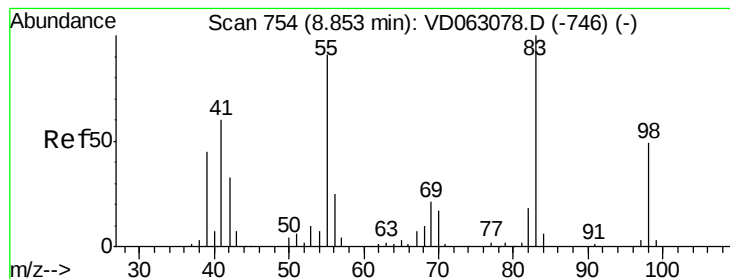
Tot Ion: 43 Resp: 93434
Ion Ratio Lower Upper
43 100
61 11.7 10.6 16.0
70 8.8 6.6 9.8



#38
Carbon Tetrachloride
Concen: 20.332 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 117 Resp: 291625
Ion Ratio Lower Upper
117 100
119 93.2 80.0 120.0
121 29.8 25.0 37.4





#39

Methvlcvclohexane

Concen: 20.000 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

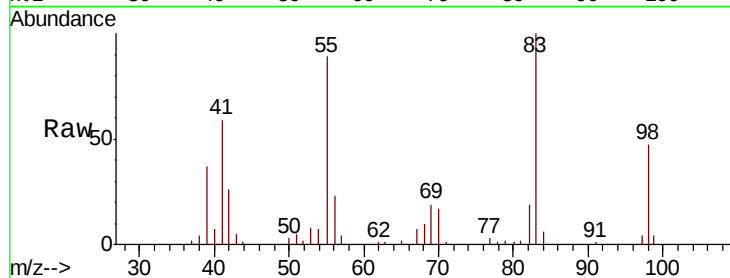
Tot Ion: 83 Resp: 163211

Ion Ratio Lower Upper

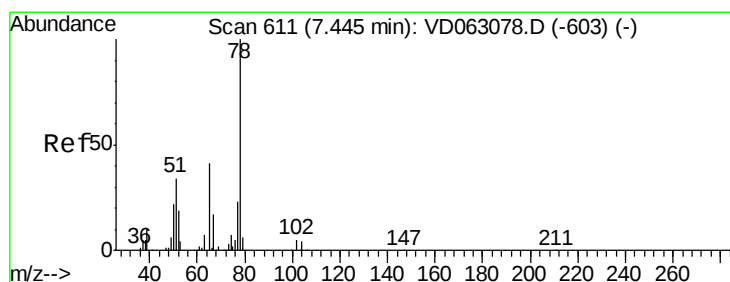
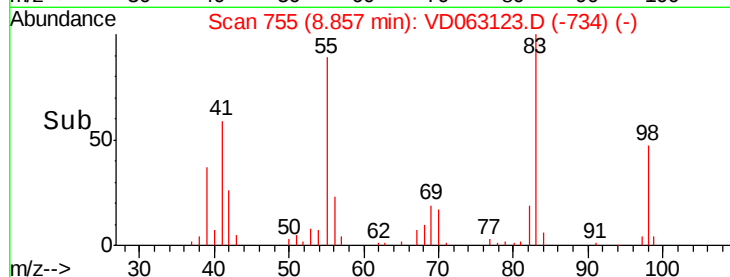
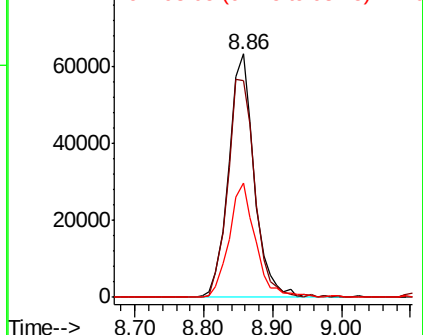
83 100

55 89.2 73.0 109.4

98 47.2 39.4 59.0



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



#40

Benzene

Concen: 20.321 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063123.D

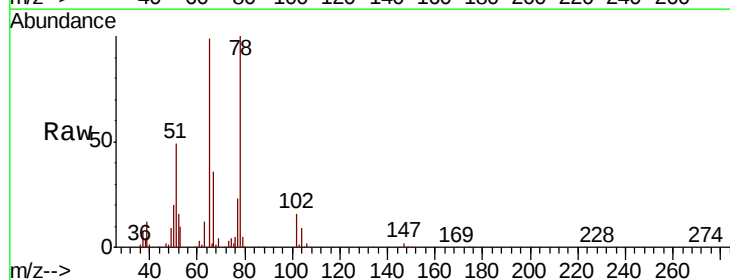
Acq: 17 Jul 2019 11:20

Tgt Ion: 78 Resp: 401739

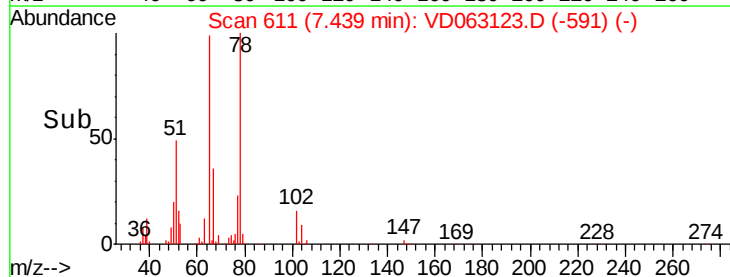
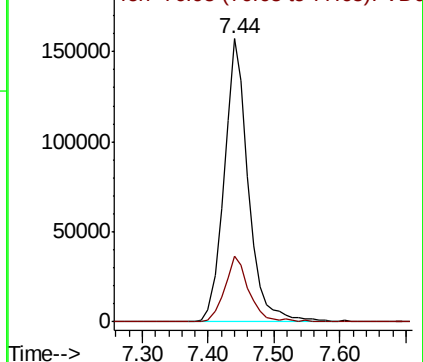
Ion Ratio Lower Upper

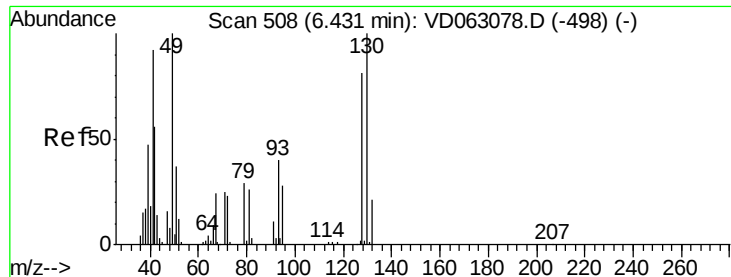
78 100

77 23.1 18.1 27.1



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

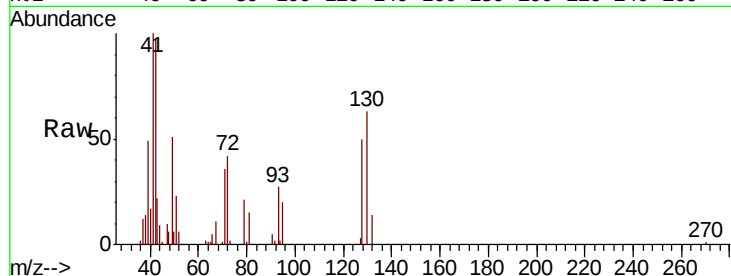




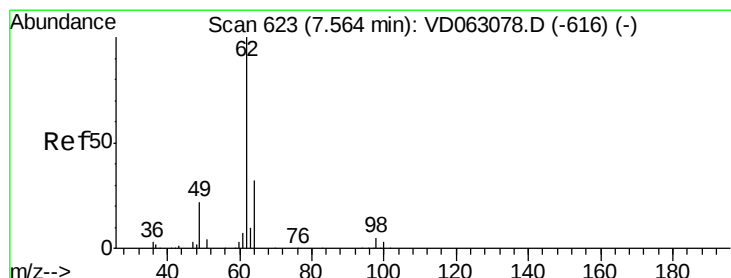
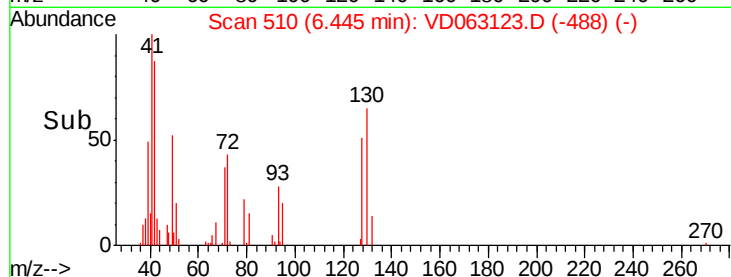
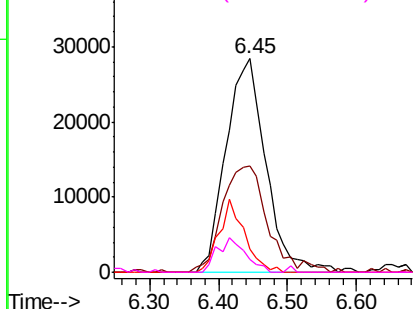
#41
Methacrylonitrile
Concen: 20.786 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.5	41.0	61.6
67	10.8	21.3	31.9#
52	6.0	10.5	15.7#

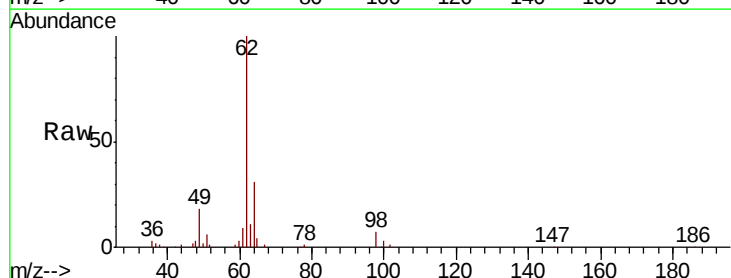


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

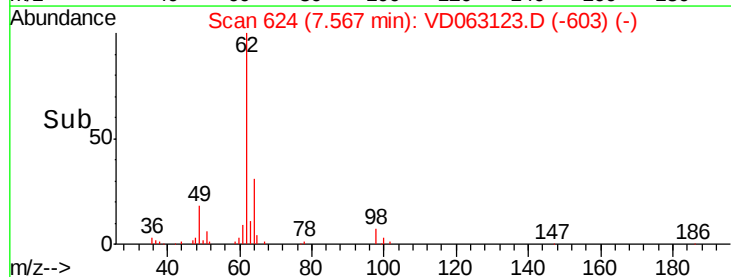
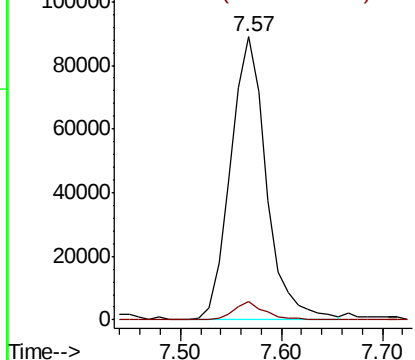


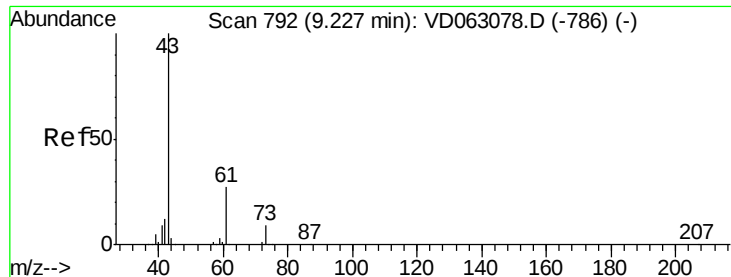
#42
1,2-Dichloroethane
Concen: 20.931 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	9.6



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





#43

Isopropyl Acetate

Concen: 20.302 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

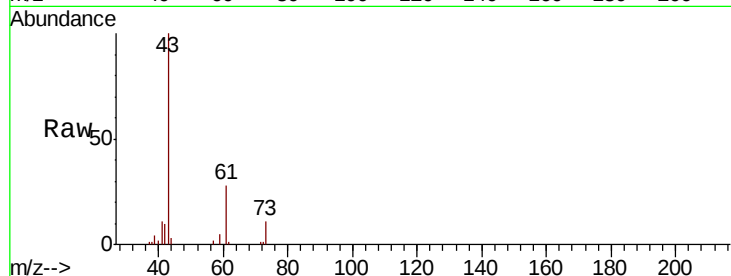
Tot Ion: 43 Resp: 117561

Ion Ratio Lower Upper

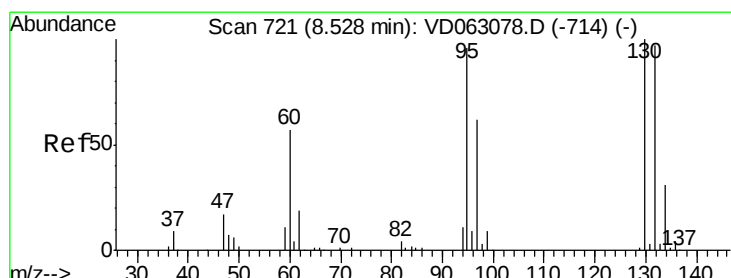
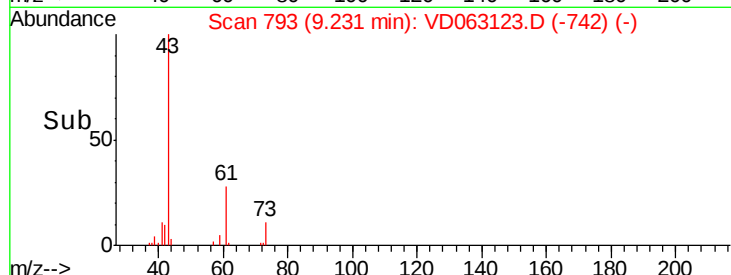
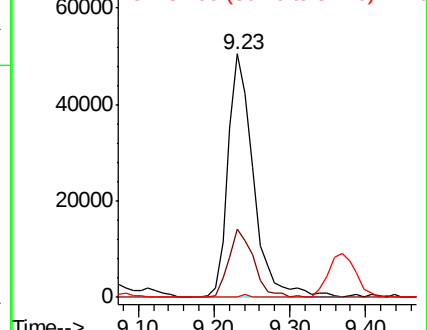
43 100

61 28.1 21.7 32.5

87 0.0 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: 20.790 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063123.D

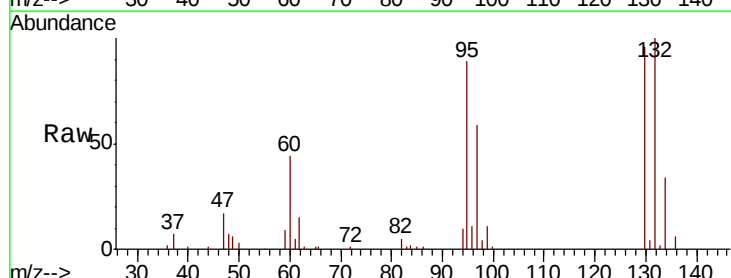
Acq: 17 Jul 2019 11:20

Tgt Ion:130 Resp: 158842

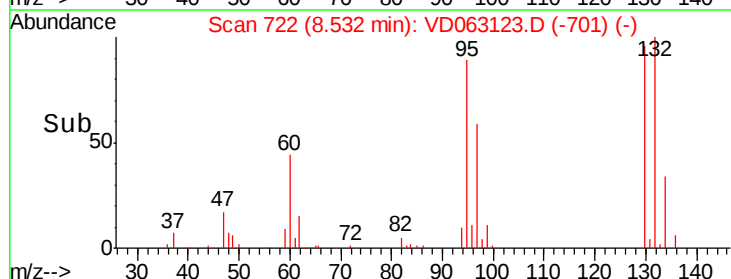
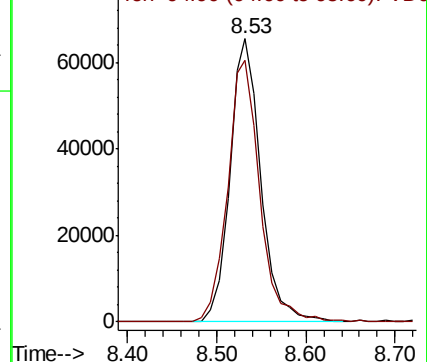
Ion Ratio Lower Upper

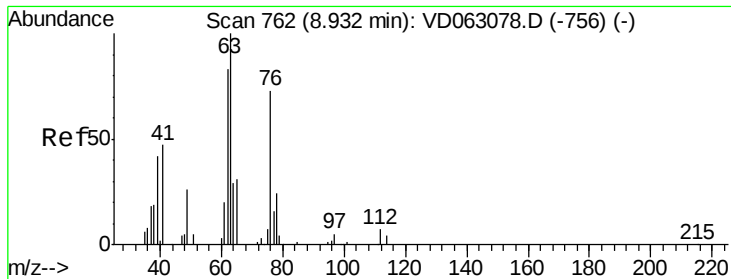
130 100

95 92.6 0.0 191.4



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





#45

1,2-Dichloropropane

Concen: 20.514 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

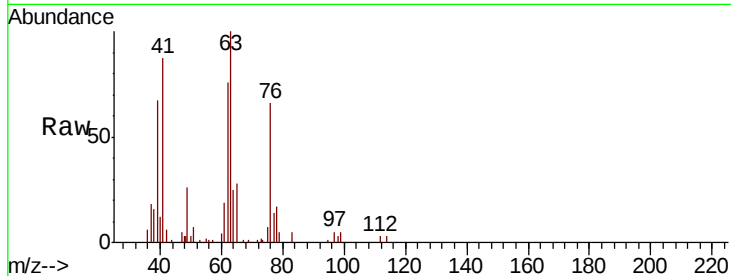
ClientSampleId :

Tot Ion: 63 Resp: 101115

Ion Ratio Lower Upper

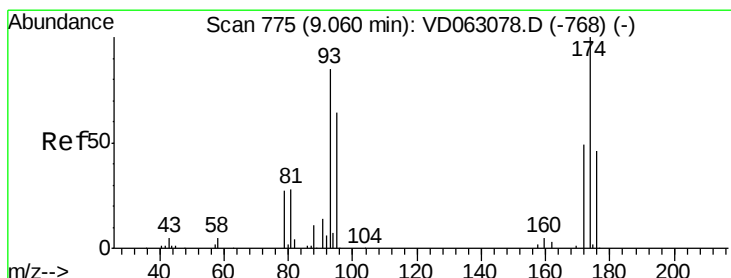
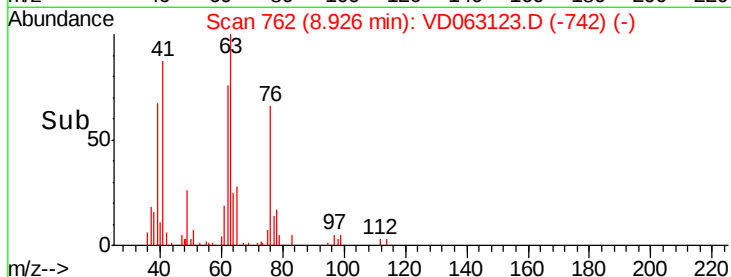
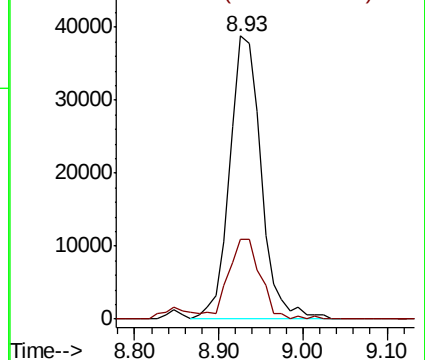
63 100

65 28.1 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.260 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

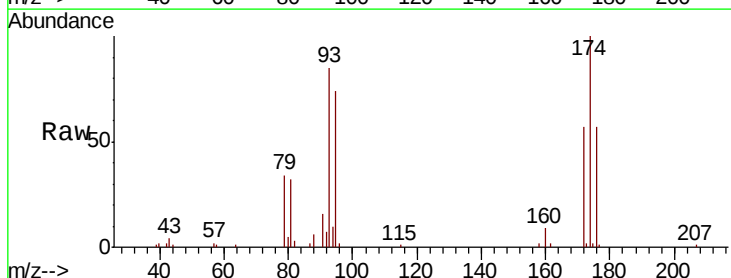
Tgt Ion: 93 Resp: 90052

Ion Ratio Lower Upper

93 100

95 86.4 59.7 89.5

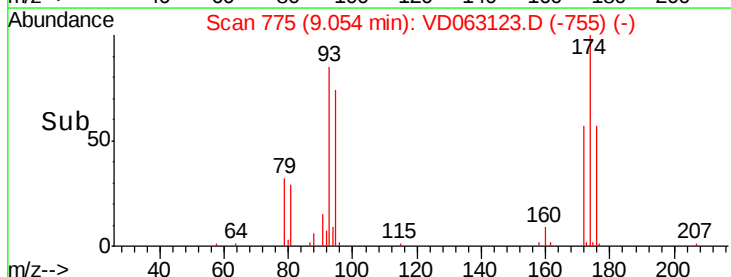
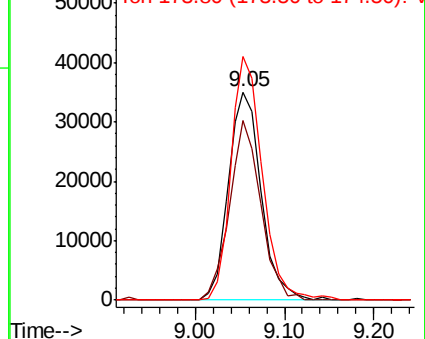
174 117.1 93.9 140.9

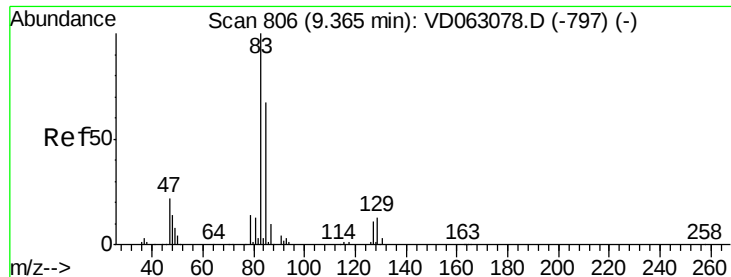


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.996 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

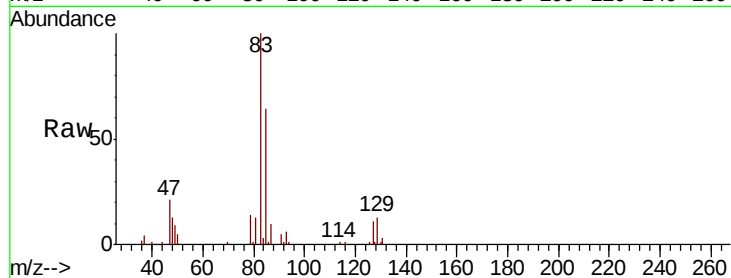
Tot Ion: 83 Resp: 221018

Ion Ratio Lower Upper

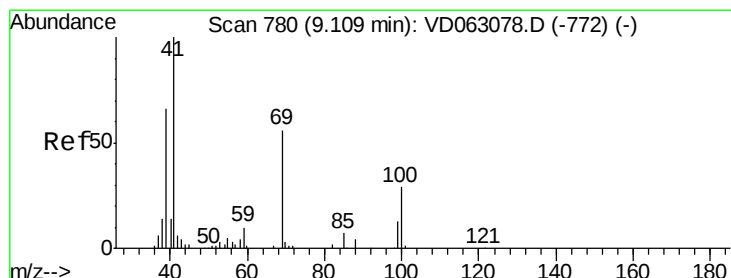
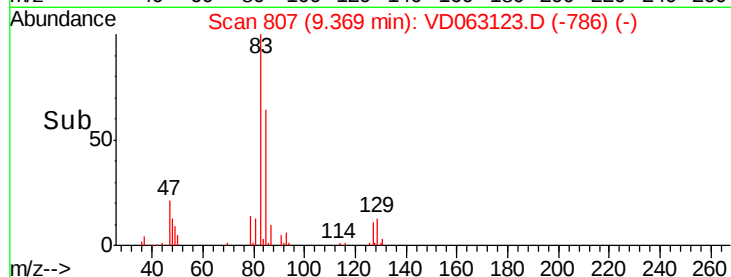
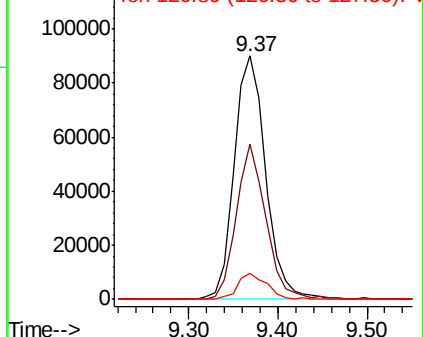
83 100

85 64.0 53.7 80.5

127 10.6 9.0 13.6



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: 19.847 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

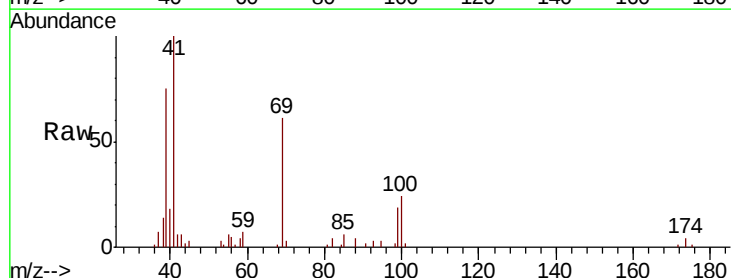
Tgt Ion: 41 Resp: 75471

Ion Ratio Lower Upper

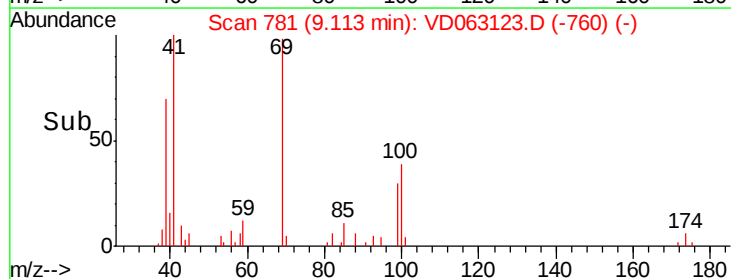
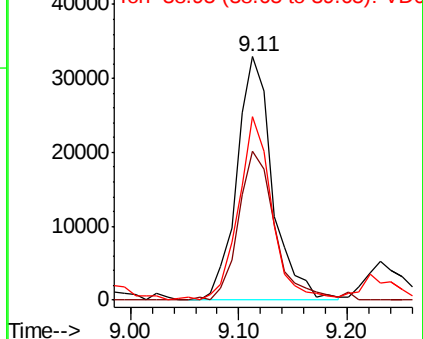
41 100

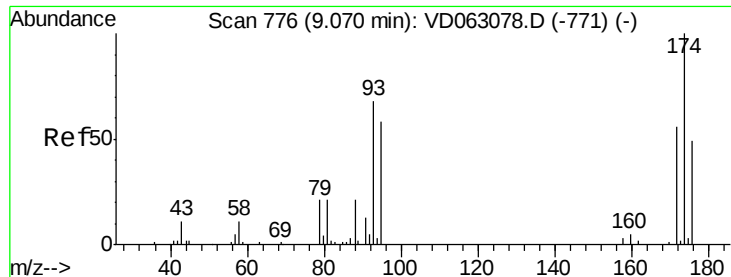
69 61.3 44.3 66.5

39 75.3 52.6 78.8



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

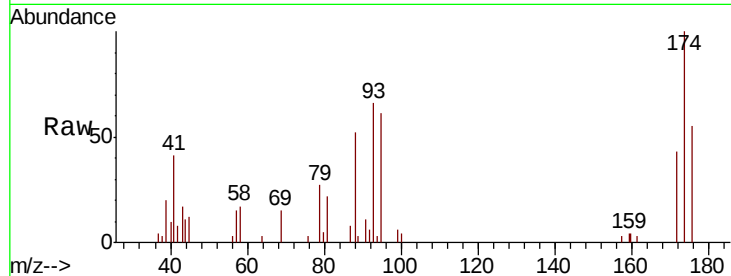




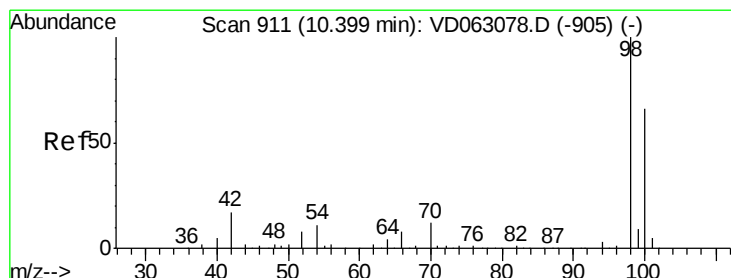
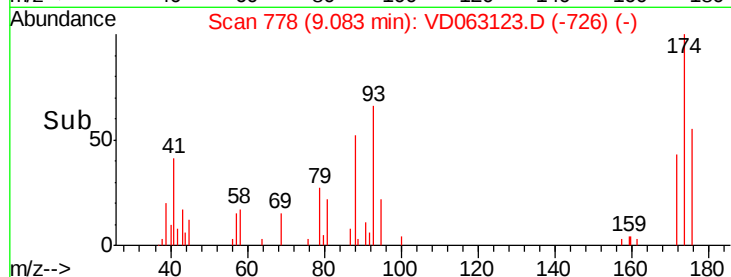
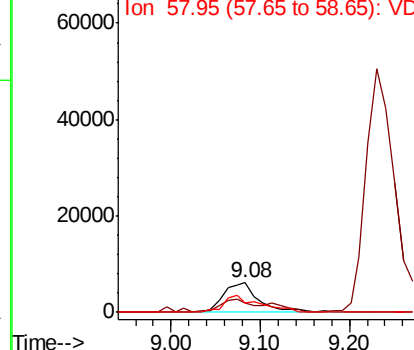
#49
1,4-Dioxane
Concen: 522.346 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 17130
Ion Ratio Lower Upper
88 100
43 50.2 40.2 60.4
58 30.6 41.6 62.4#

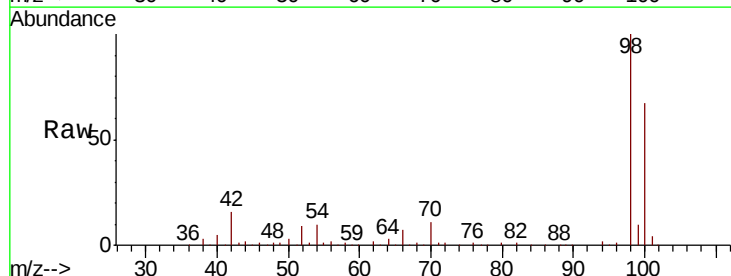


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

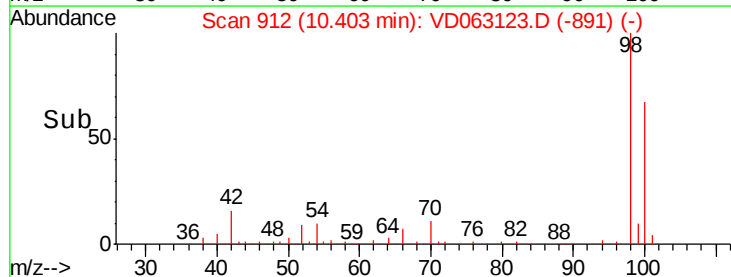
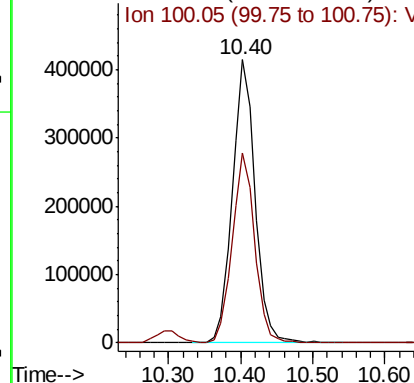


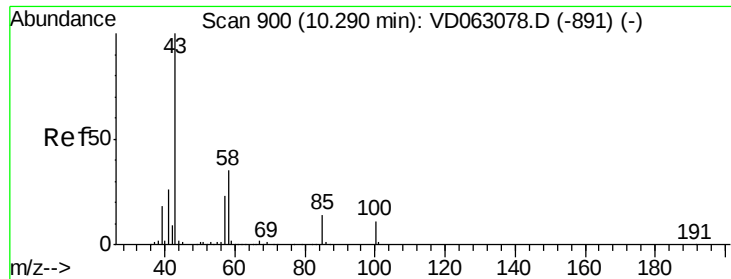
#50
Toluene-d8
Concen: 50.584 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 98 Resp: 908303
Ion Ratio Lower Upper
98 100
100 67.3 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

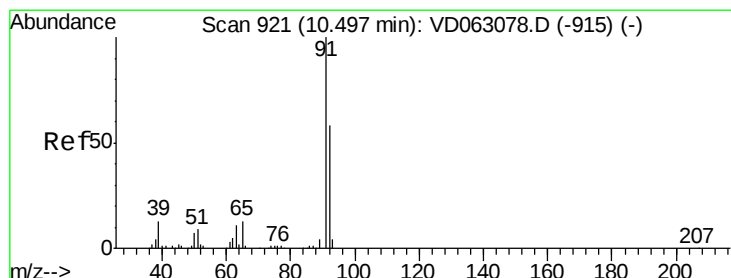
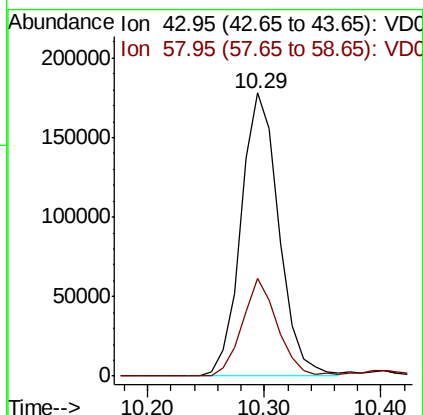
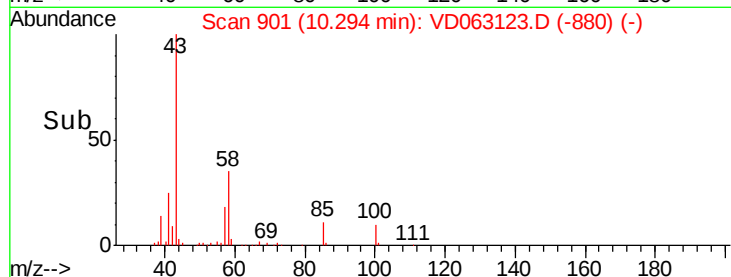
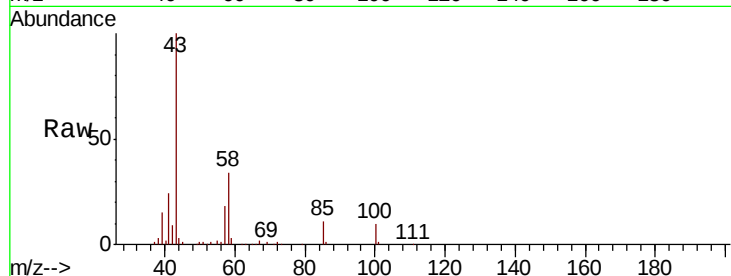




#51
4-Methyl-2-Pentanone
Concen: 104.181 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

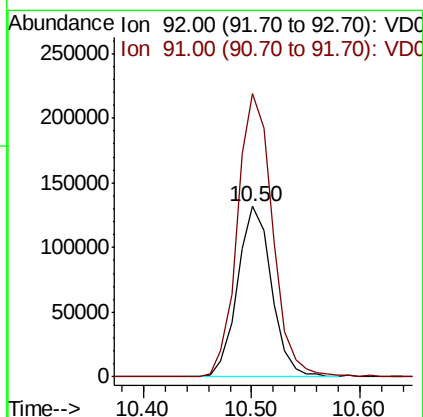
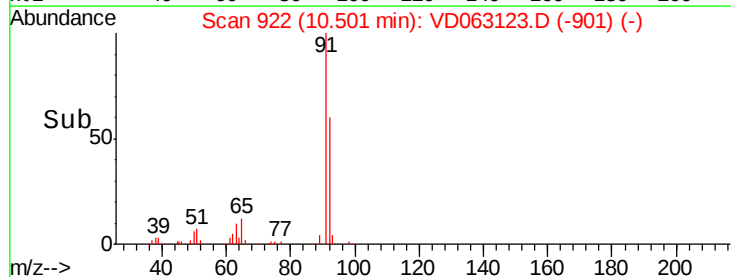
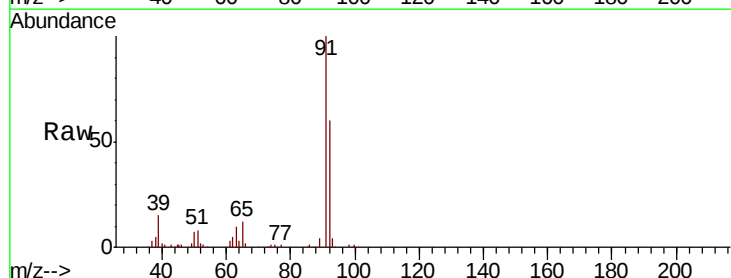
Instrument :
MSVOA_D
ClientSampleId :

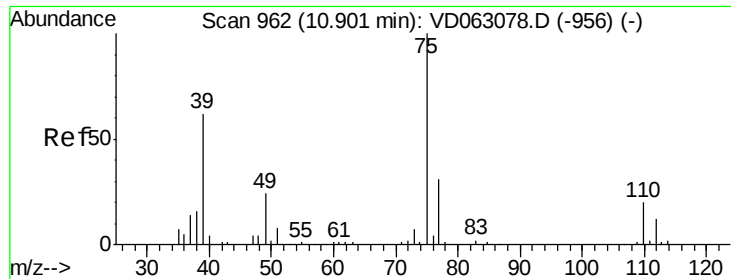
Tot Ion: 43 Resp: 400113
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.6



#52
Toluene
Concen: 21.866 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 92 Resp: 288666
Ion Ratio Lower Upper
92 100
91 166.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 21.578 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

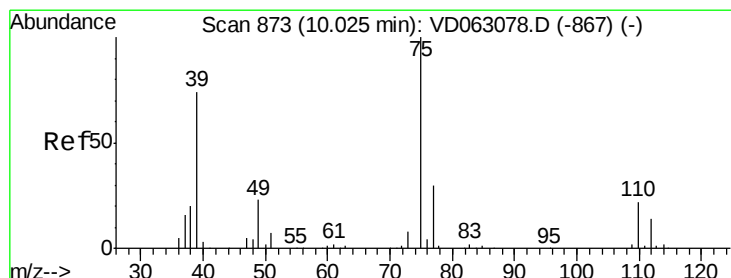
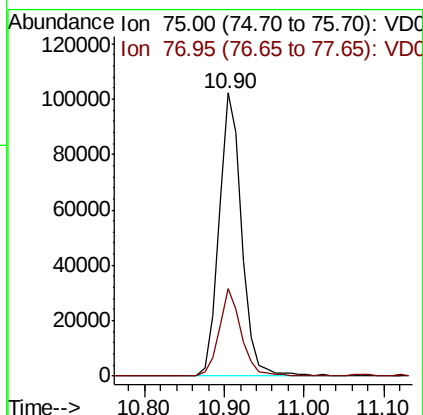
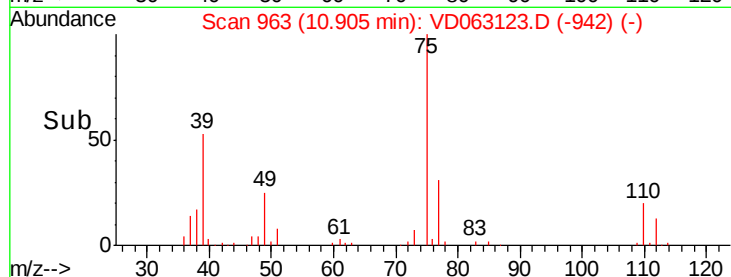
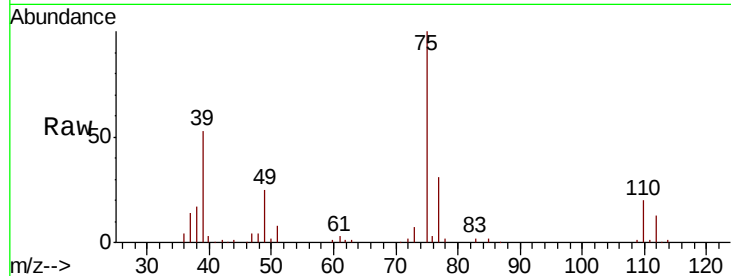
ClientSampled :

Tot Ion: 75 Resp: 204341

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.205 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

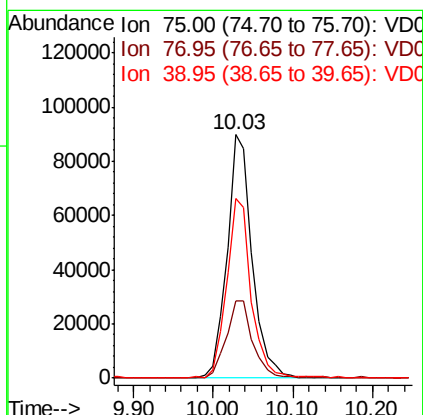
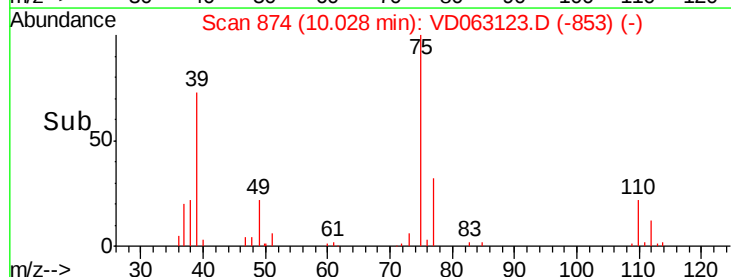
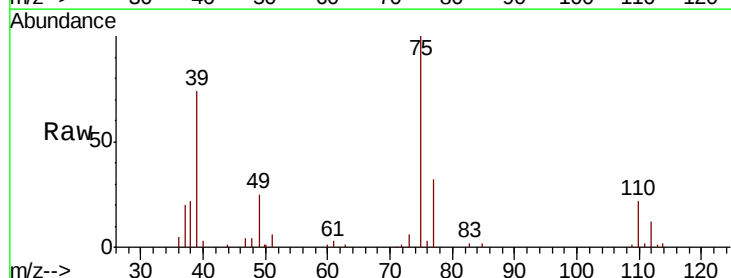
Tgt Ion: 75 Resp: 197841

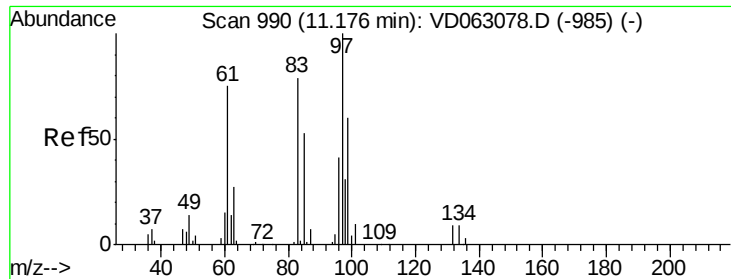
Ion Ratio Lower Upper

75 100

77 32.0 23.9 35.9

39 73.6 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 21.270 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 97040

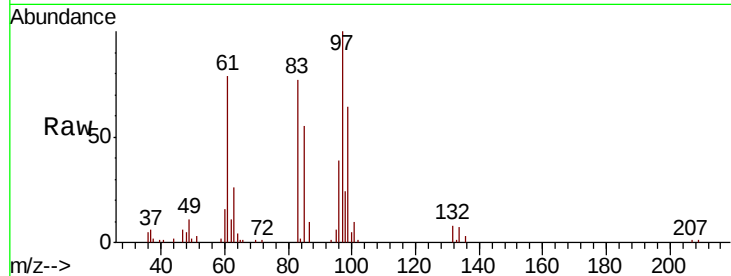
Ion Ratio Lower Upper

97 100

83 77.2 63.2 94.8

85 54.5 42.0 63.0

99 63.7 48.3 72.5

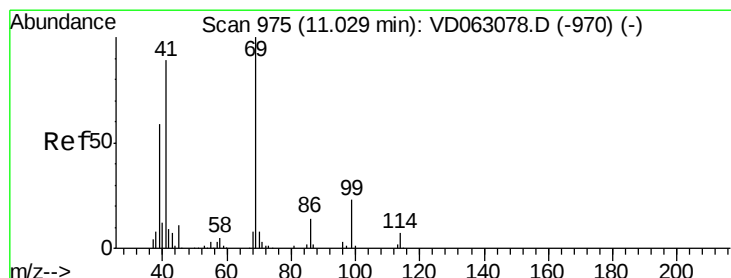
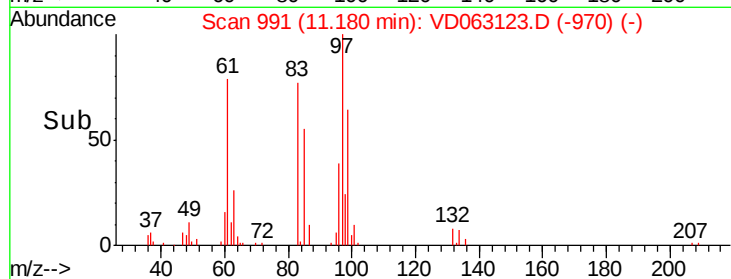
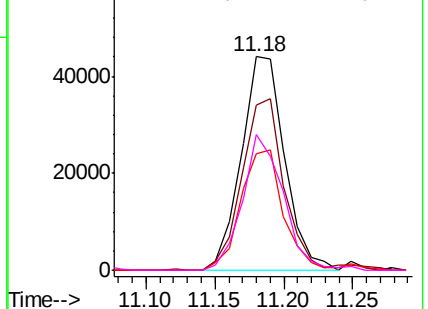


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.606 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

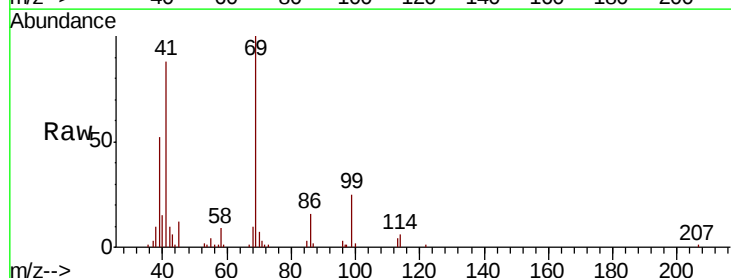
Tgt Ion: 69 Resp: 105037

Ion Ratio Lower Upper

69 100

41 88.1 71.0 106.4

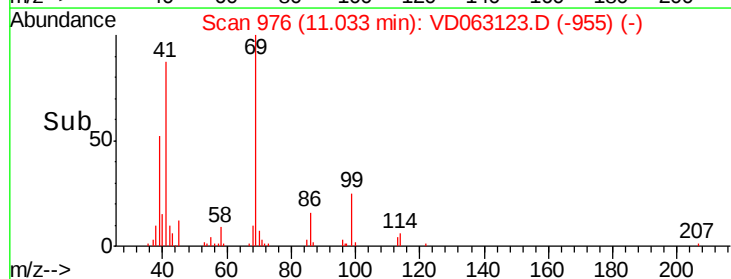
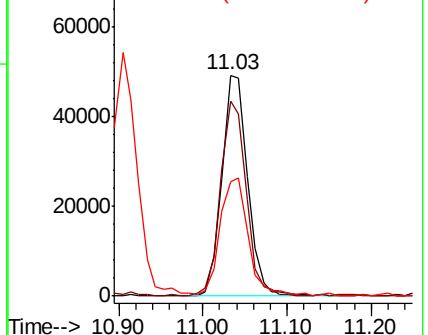
39 52.0 47.7 71.5

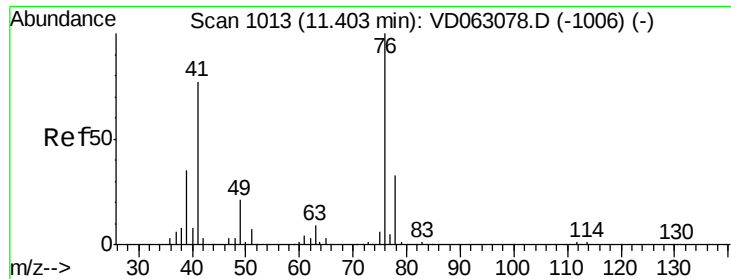


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

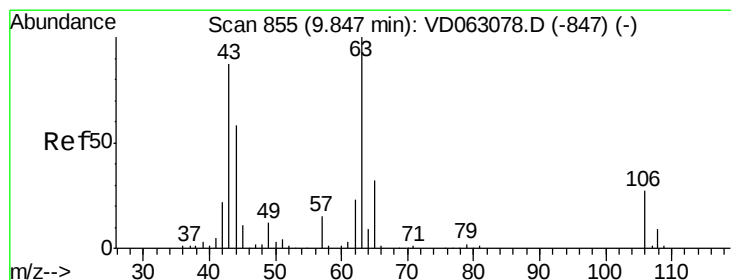
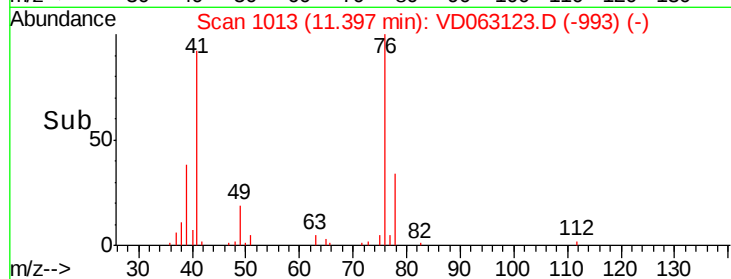
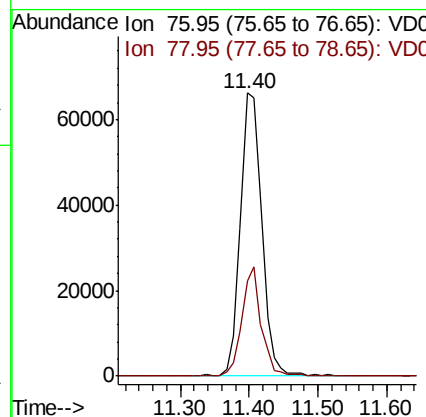
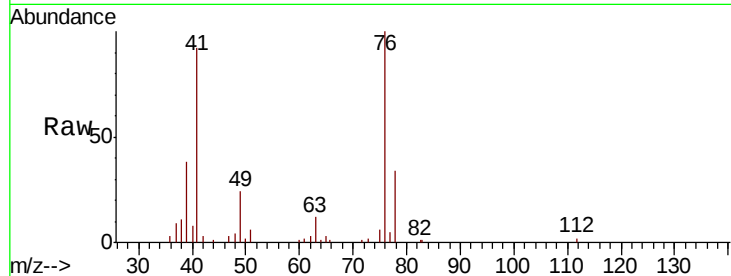




#57
 1,3-Dichloropropane
 Concen: 20.581 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

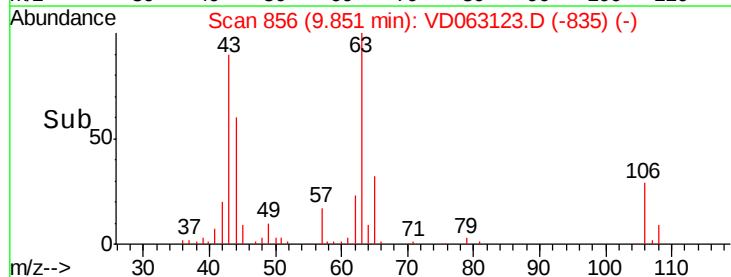
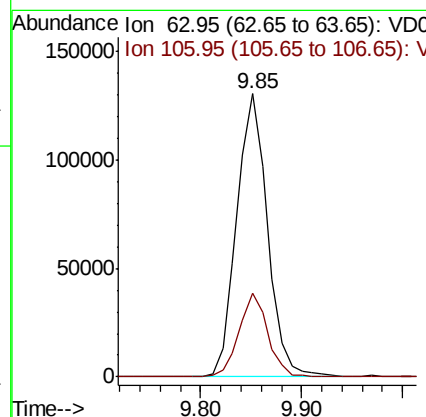
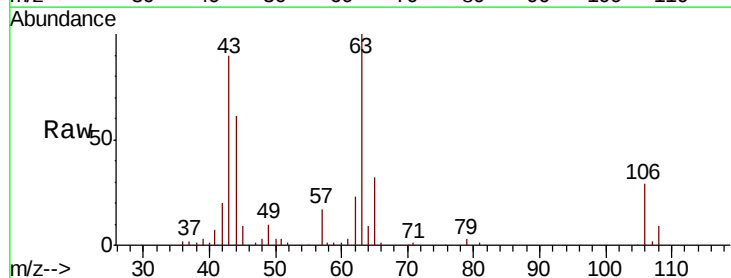
Instrument :
 MSVOA_D
 ClientSampled :

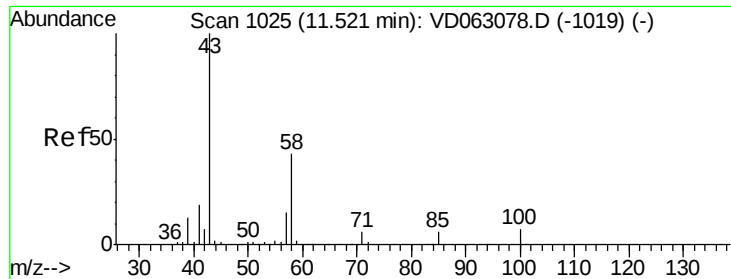
Tot Ion: 76 Resp: 142880
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.653 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion: 63 Resp: 277169
 Ion Ratio Lower Upper
 63 100
 106 29.5 21.3 31.9

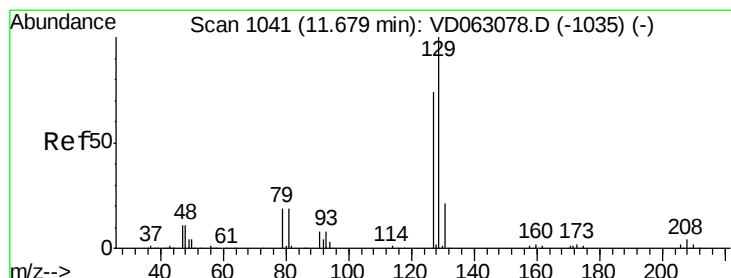
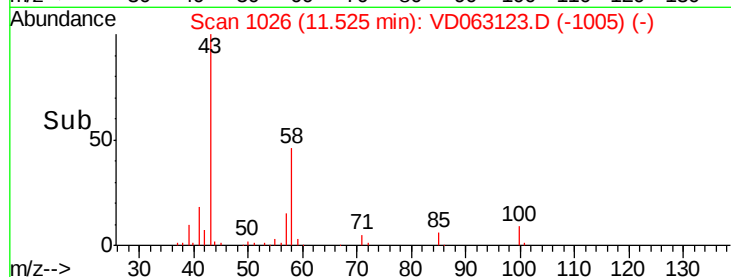
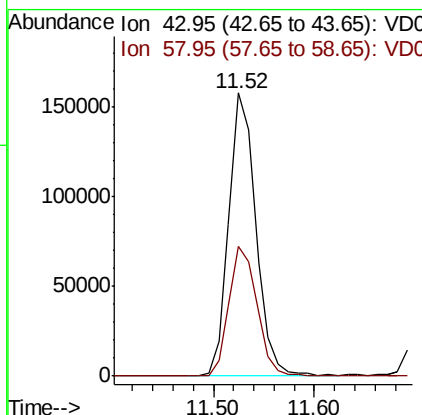
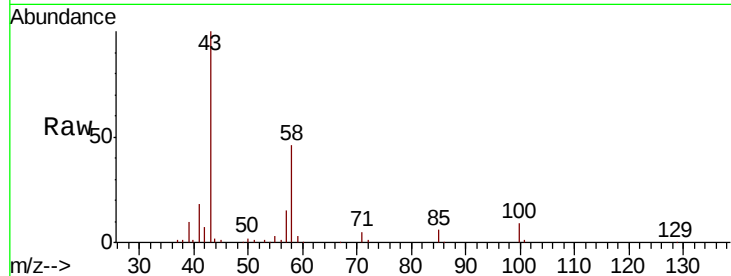




#59
2-Hexanone
Concen: 99.852 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

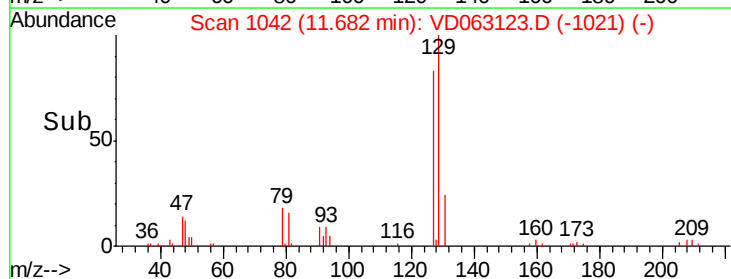
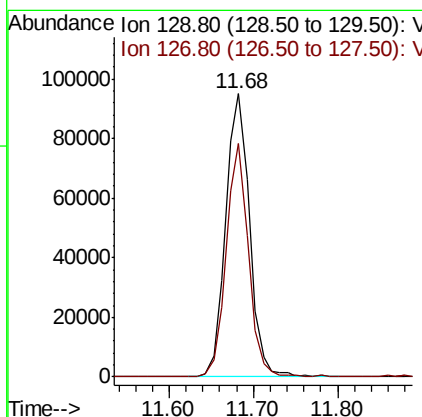
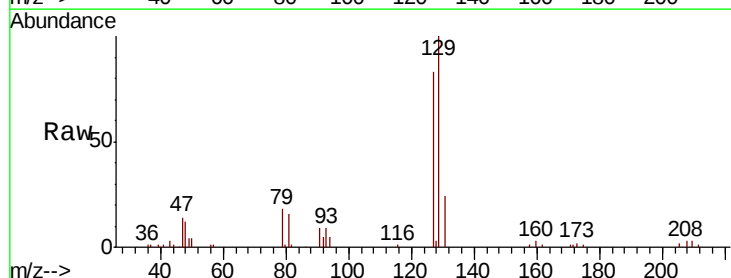
Instrument :
MSVOA_D
ClientSampleId :

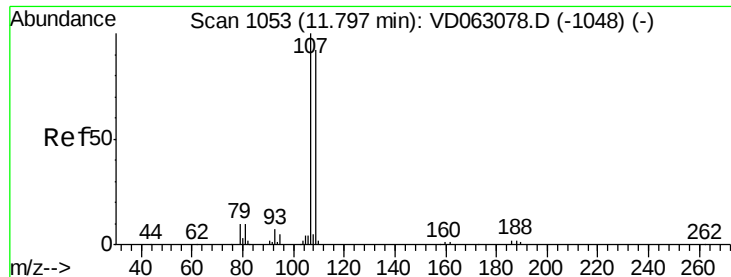
Tot Ion: 43 Resp: 295750
Ion Ratio Lower Upper
43 100
58 45.8 21.7 65.1



#60
Dibromochloromethane
Concen: 21.299 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion:129 Resp: 186269
Ion Ratio Lower Upper
129 100
127 82.7 37.0 110.9

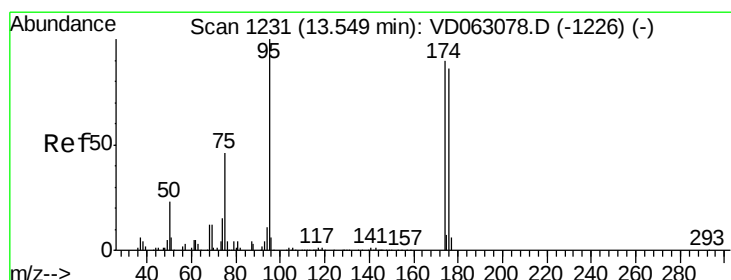
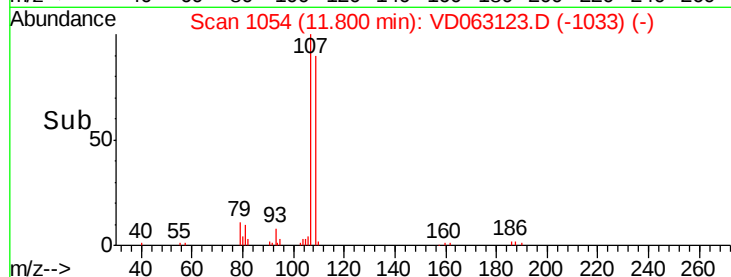
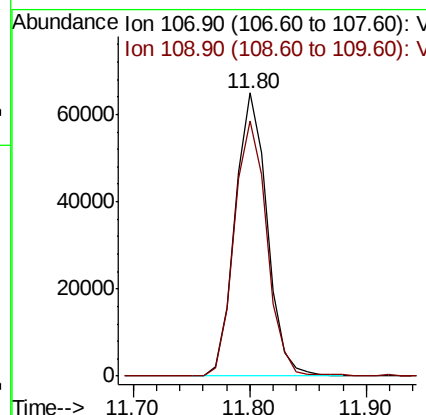
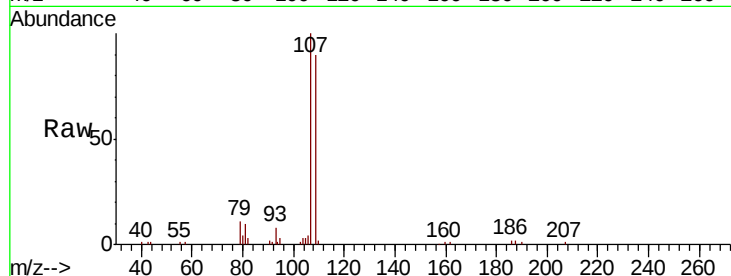




#61
 1,2-Dibromoethane
 Concen: 22.563 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

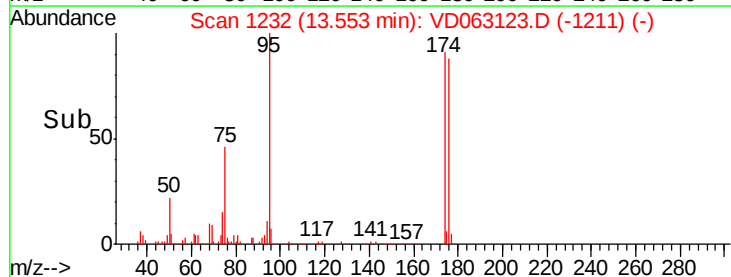
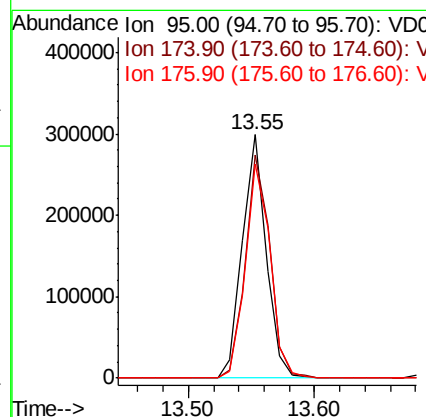
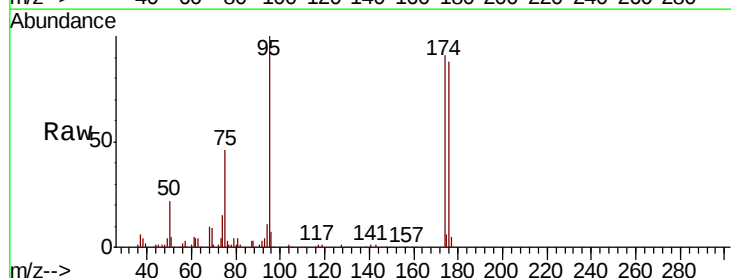
Instrument :
 MSVOA_D
 ClientSampleId :

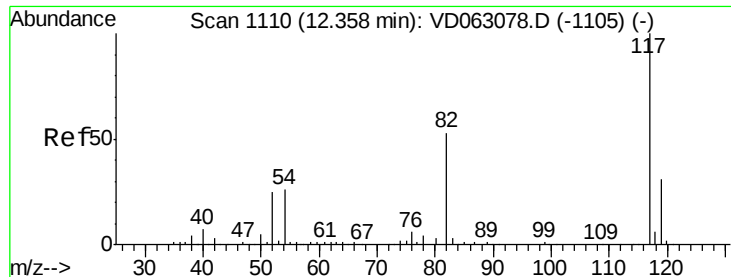
Tot Ion:107 Resp: 123217
 Ion Ratio Lower Upper
 107 100
 109 90.1 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 46.680 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion: 95 Resp: 387781
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 180.6
 176 87.8 0.0 172.2

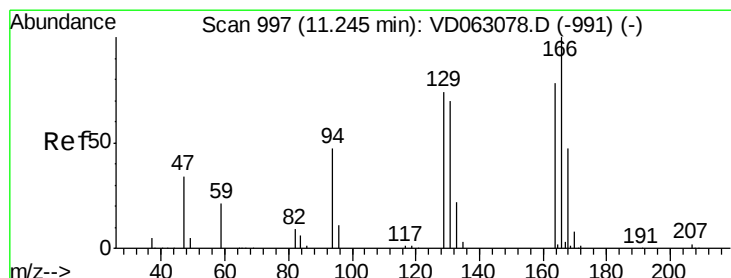
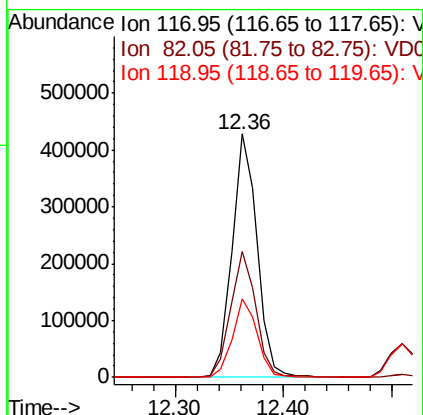
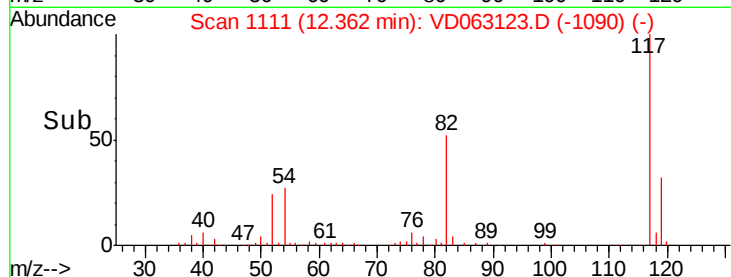
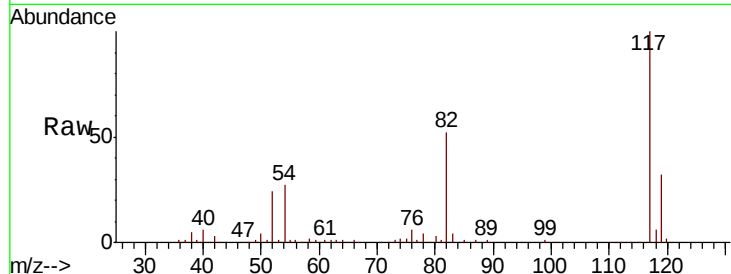




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

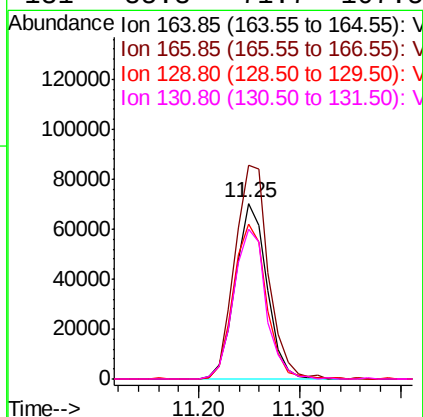
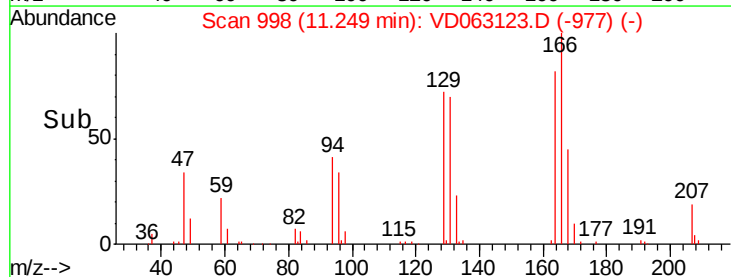
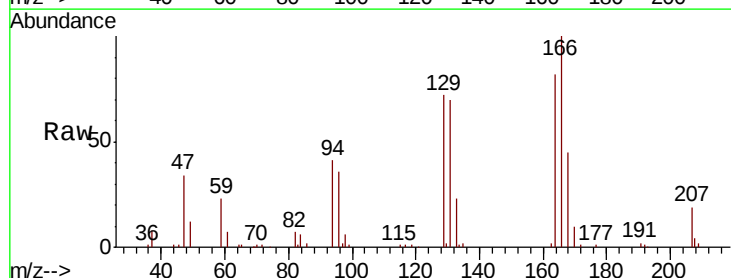
Instrument :
MSVOA_D
ClientSampled :

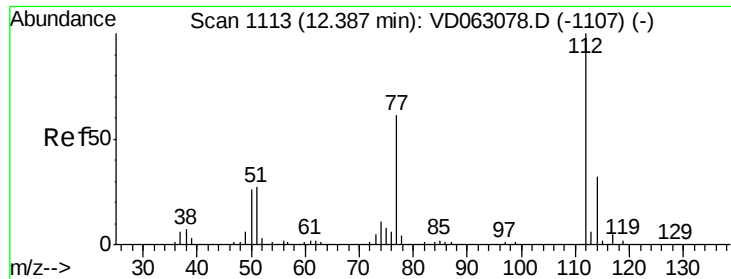
Tot Ion:117 Resp: 689146
Ion Ratio Lower Upper
117 100
82 51.6 42.3 63.5
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 22.845 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion:164 Resp: 152764
Ion Ratio Lower Upper
164 100
166 121.7 102.8 154.2
129 88.0 76.4 114.6
131 85.3 71.7 107.5

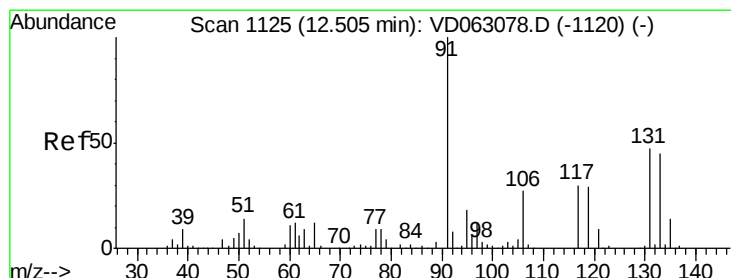
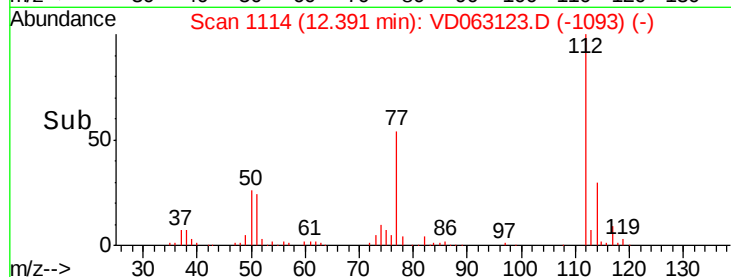
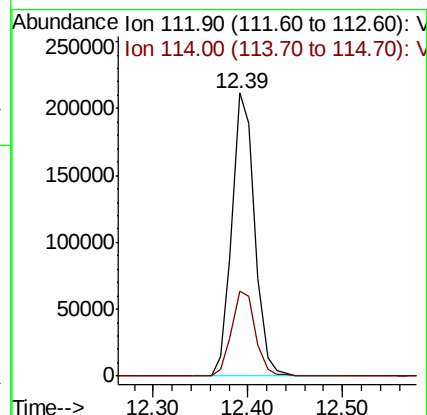
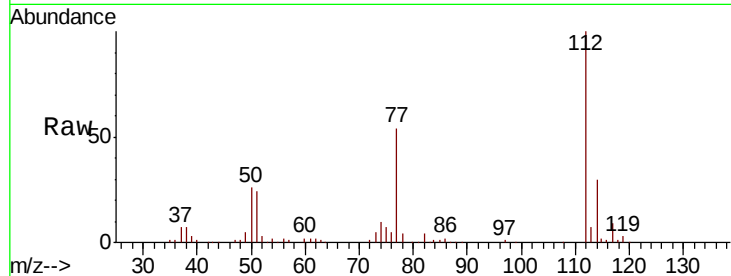




#65
Chlorobenzene
Concen: 21.823 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

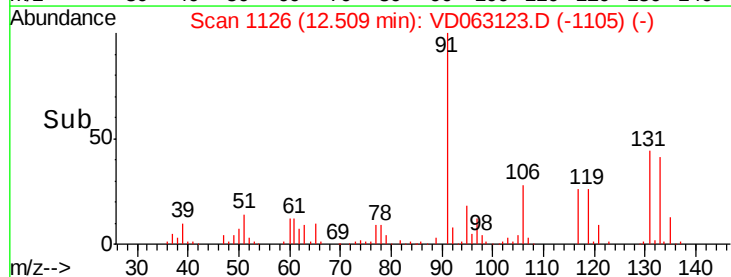
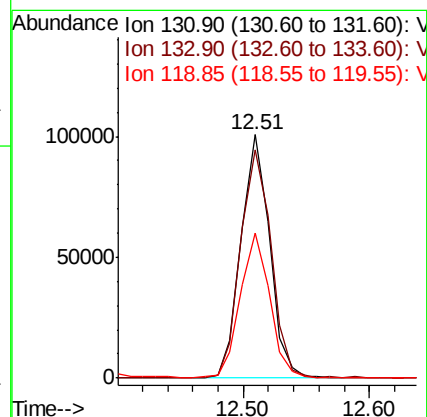
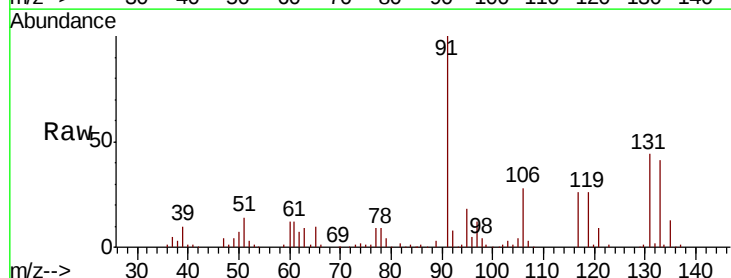
Instrument :
MSVOA_D
ClientSampled :

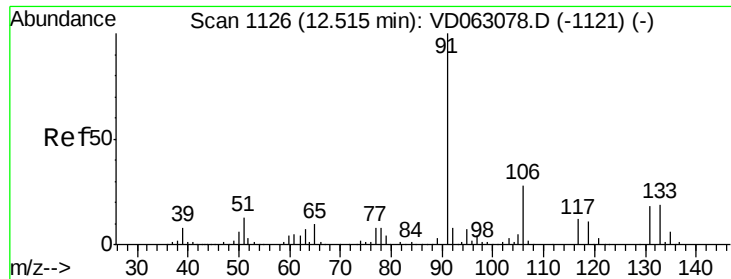
Tot Ion:112 Resp: 353526
Ion Ratio Lower Upper
112 100
114 30.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.040 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion:131 Resp: 158023
Ion Ratio Lower Upper
131 100
133 93.6 48.5 145.6
119 59.7 30.8 92.3

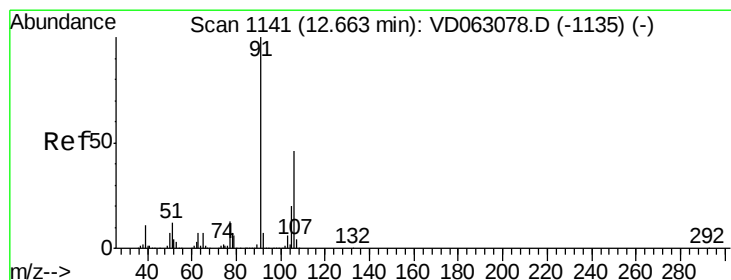
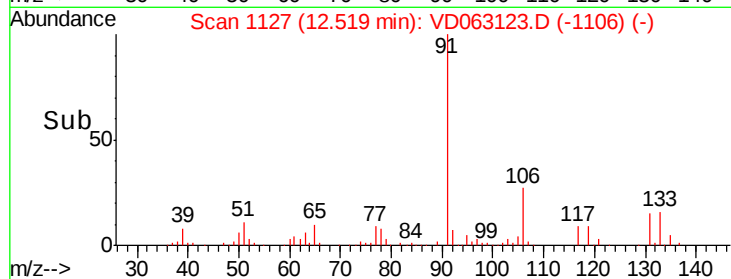
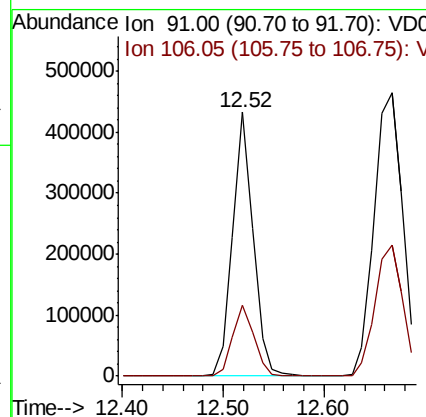
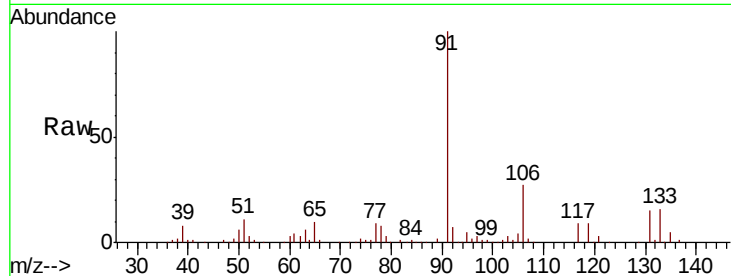




#67
Ethyl Benzene
Concen: 21.773 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

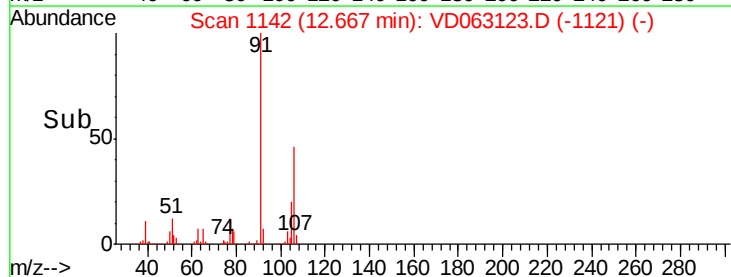
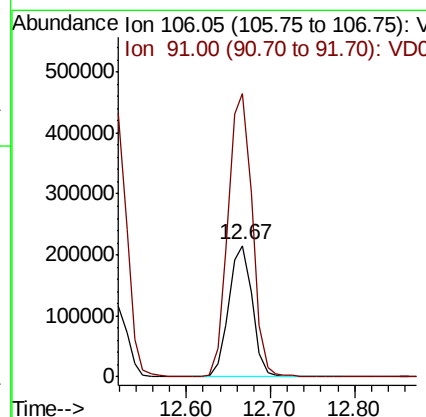
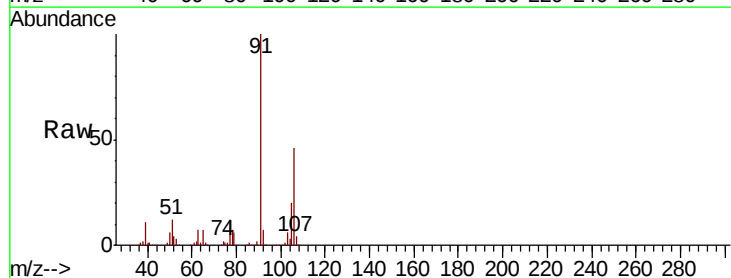
Instrument :
MSVOA_D
ClientSampleId :

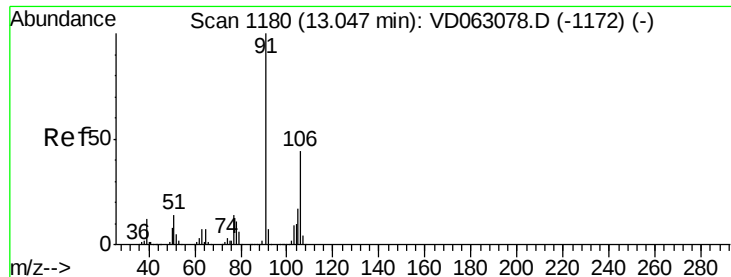
Tot Ion: 91 Resp: 612863
Ion Ratio Lower Upper
91 100
106 26.9 22.5 33.7



#68
m/p-Xylenes
Concen: 41.318 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 106 Resp: 416553
Ion Ratio Lower Upper
106 100
91 216.0 173.0 259.6

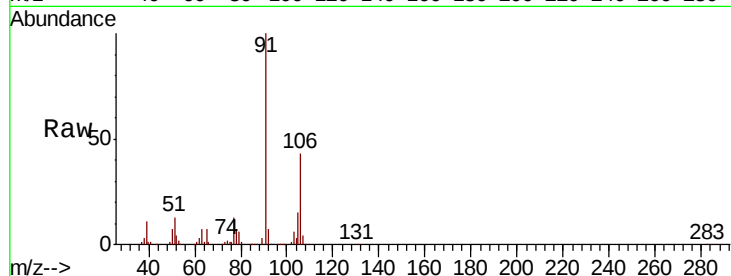




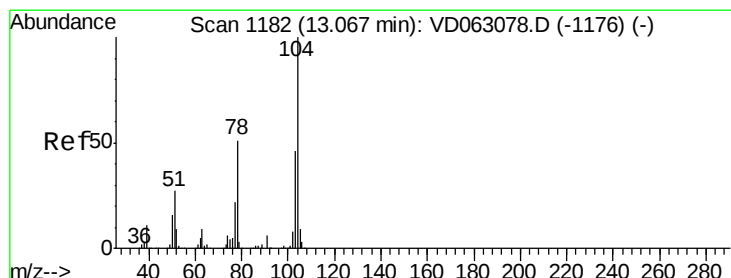
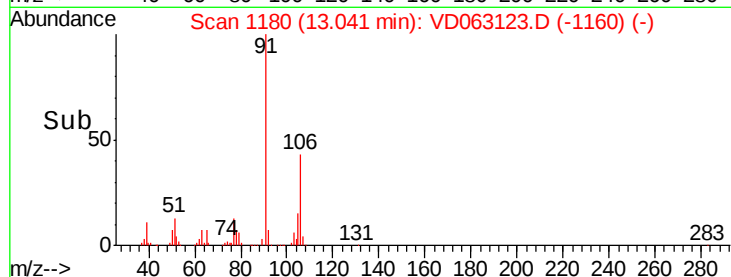
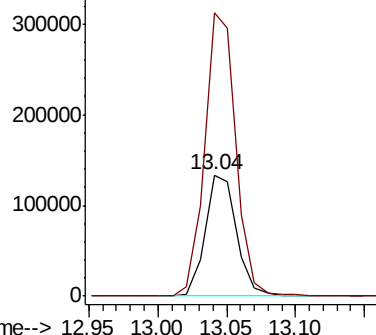
#69
o-Xylene
Concen: 22.080 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 211073
Ion Ratio Lower Upper
106 100
91 234.3 114.9 344.7

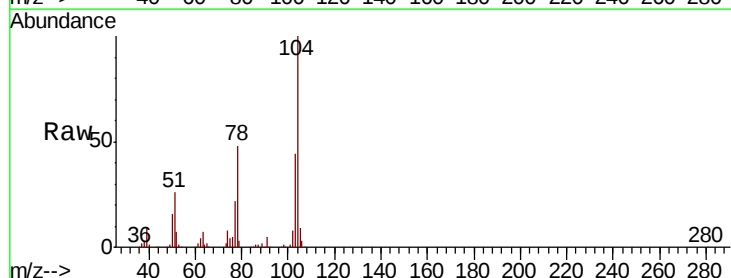


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

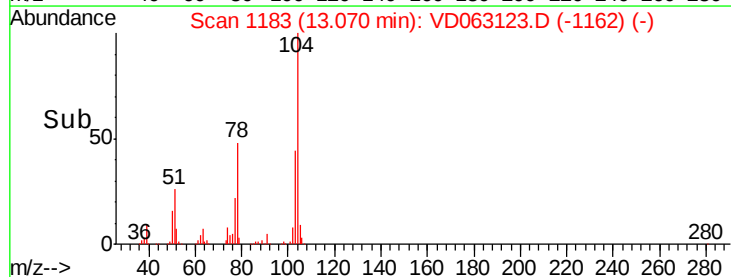
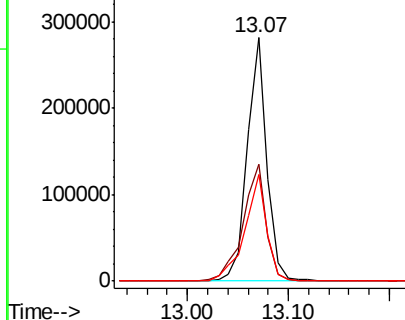


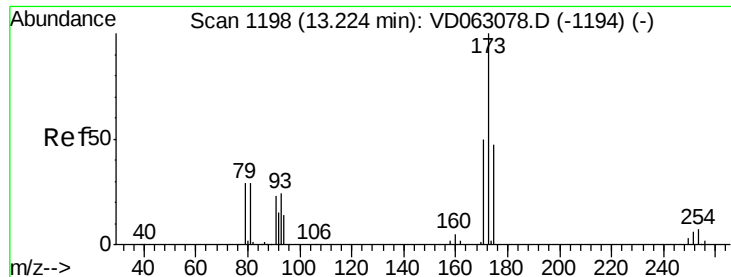
#70
Styrene
Concen: 22.845 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion:104 Resp: 382260
Ion Ratio Lower Upper
104 100
78 47.9 41.1 61.7
103 43.8 37.0 55.6



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

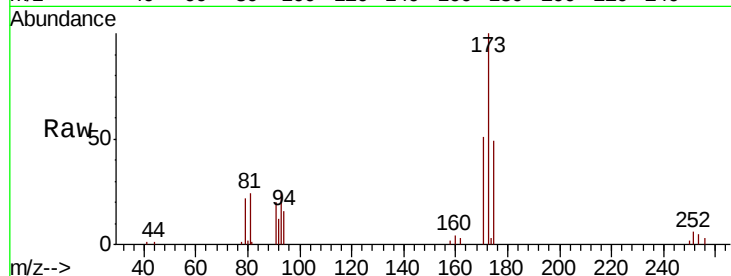




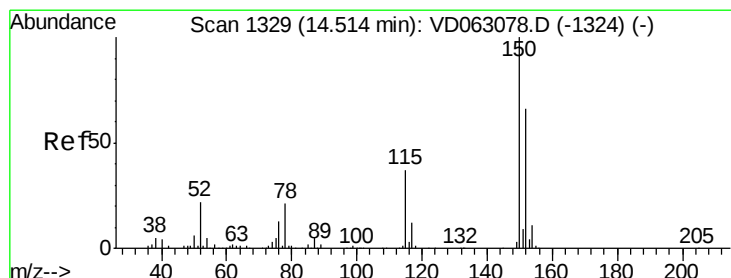
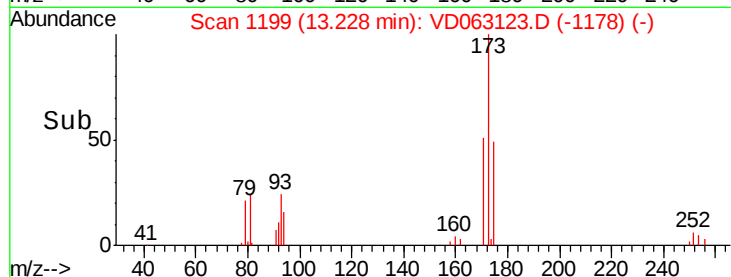
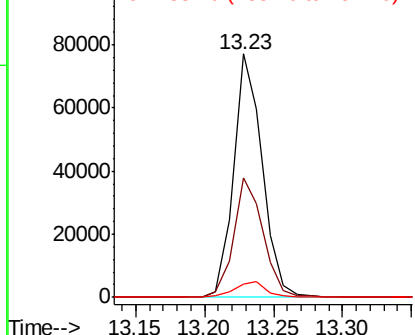
#71
Bromoform
Concen: 21.171 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 111323
Ion Ratio Lower Upper
173 100
175 49.1 23.4 70.2
254 5.5 5.4 8.0

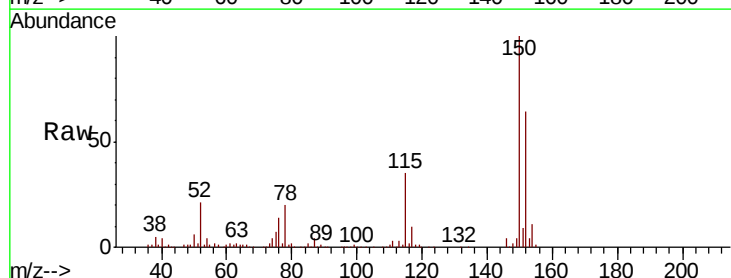


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

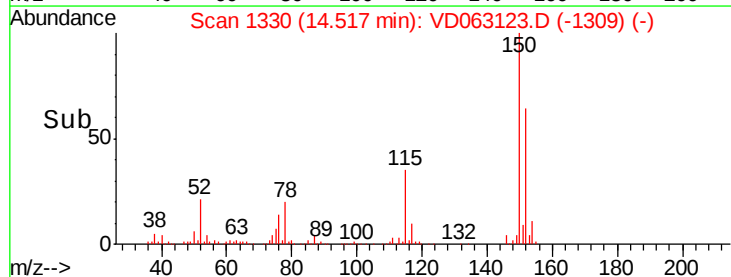
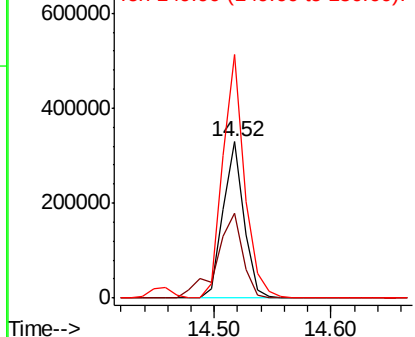


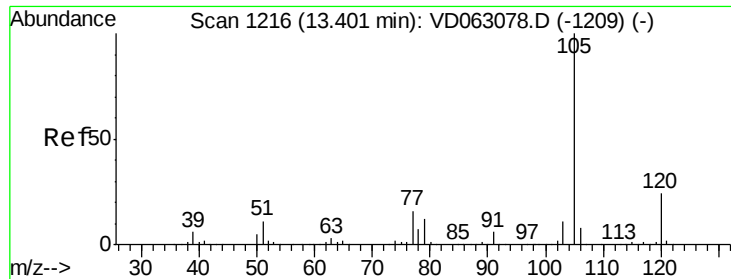
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion:152 Resp: 408866
Ion Ratio Lower Upper
152 100
115 54.4 28.9 86.8
150 156.1 0.0 313.8



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: 21.116 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

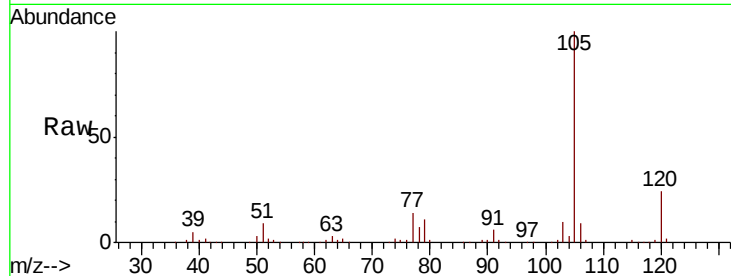
ClientSampleId :

Tot Ion:105 Resp: 666740

Ion Ratio Lower Upper

105 100

120 23.8 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

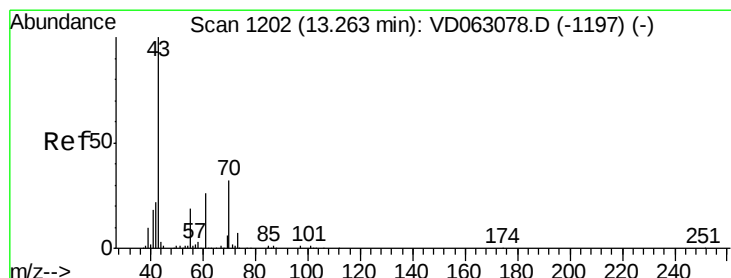
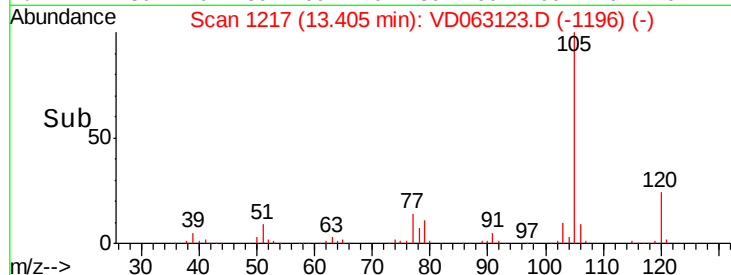
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.787 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Tgt Ion: 43 Resp: 165441

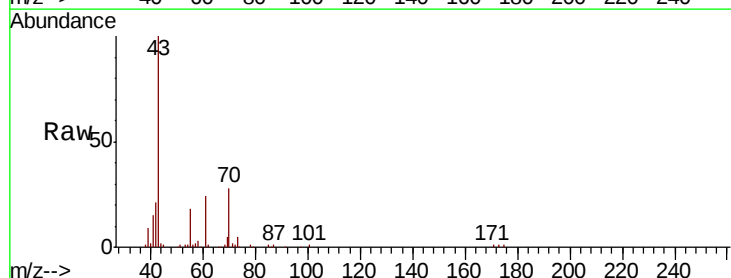
Ion Ratio Lower Upper

43 100

70 27.7 25.5 38.3

55 17.7 15.4 23.0

61 24.5 20.6 31.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

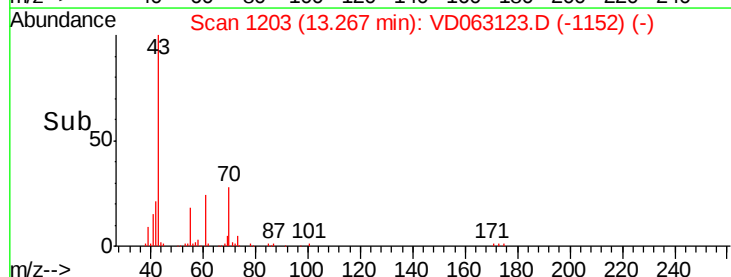
150000

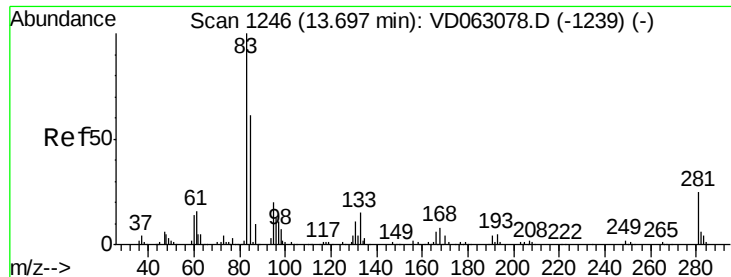
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.569 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

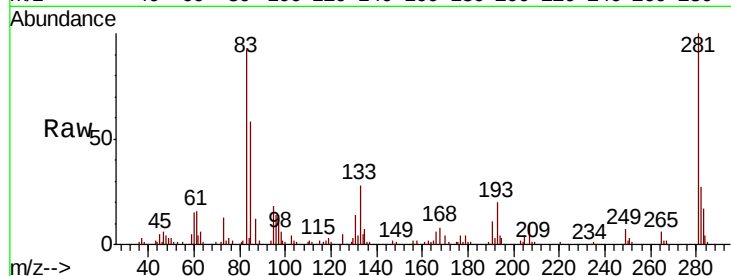
Tot Ion: 83 Resp: 112422

Ion Ratio Lower Upper

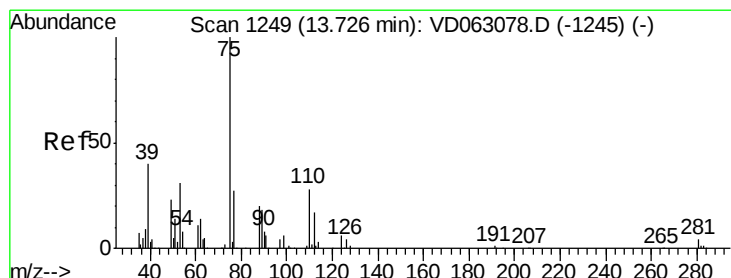
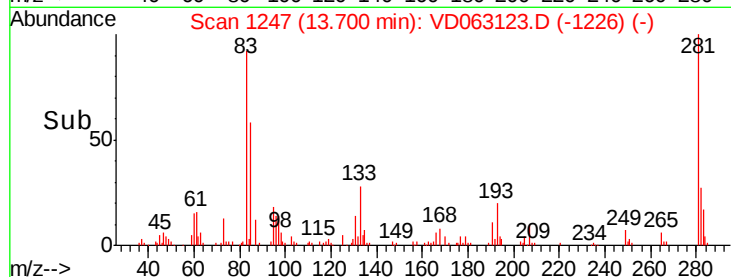
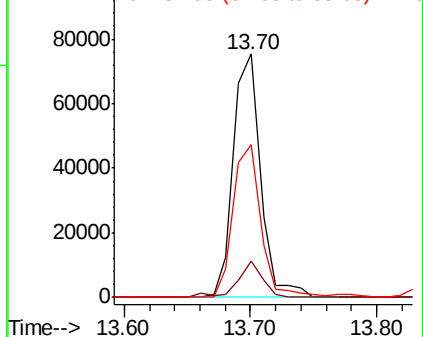
83 100

131 14.8 5.5 16.7

85 62.7 30.7 92.1



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



#76

1,2,3-Trichloropropane

Concen: 21.004 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063123.D

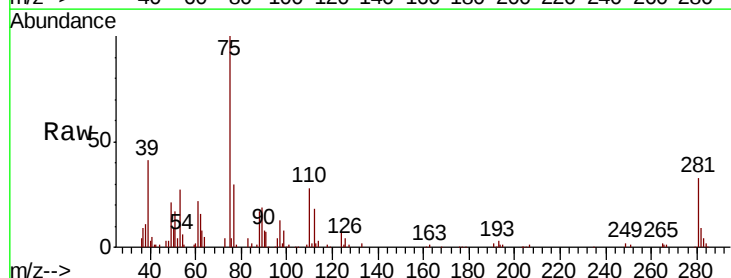
Acq: 17 Jul 2019 11:20

Tgt Ion: 75 Resp: 132108

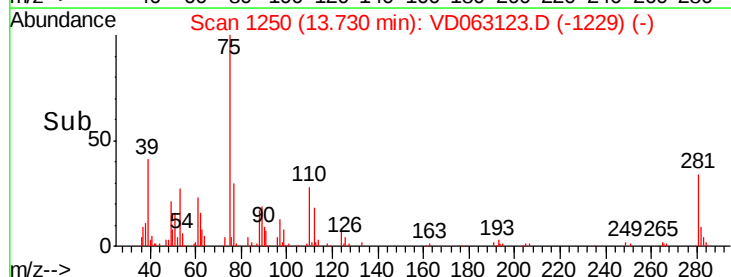
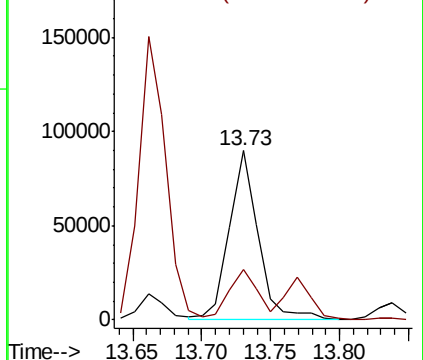
Ion Ratio Lower Upper

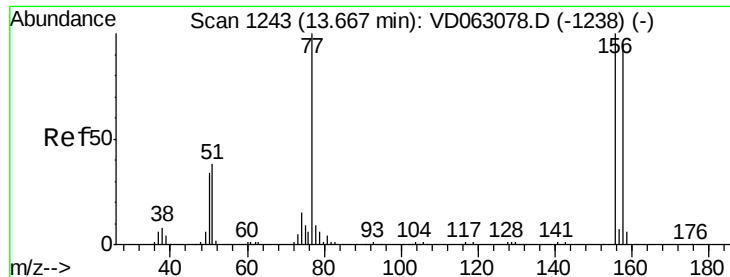
75 100

77 30.1 16.3 48.8



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





#77

Bromobenzene

Concen: 19.381 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

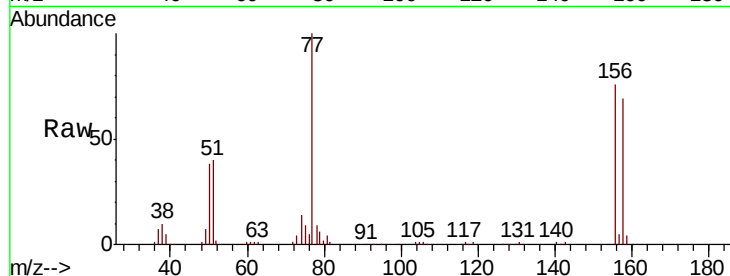
Tot Ion:156 Resp: 173542

Ion Ratio Lower Upper

156 100

77 131.1 50.2 150.7

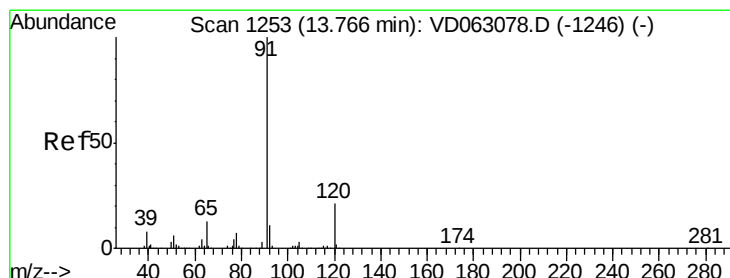
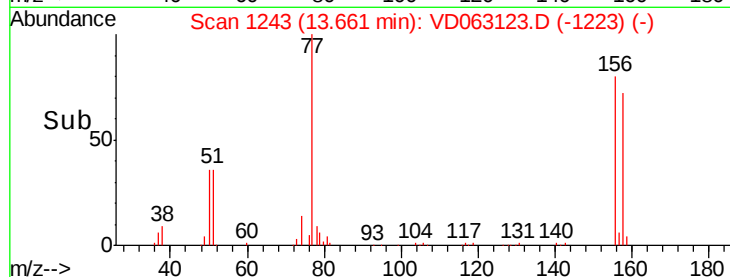
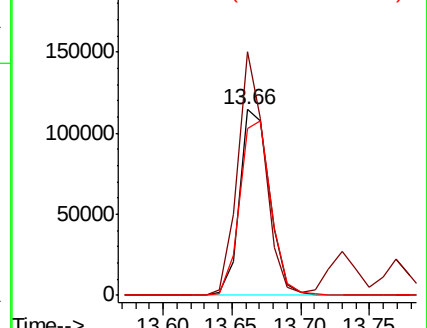
158 89.9 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.338 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063123.D

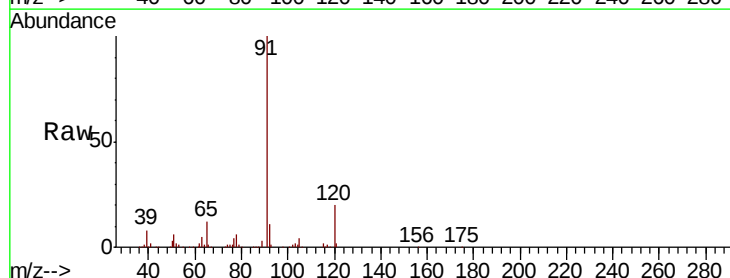
Acq: 17 Jul 2019 11:20

Tgt Ion: 91 Resp: 739010

Ion Ratio Lower Upper

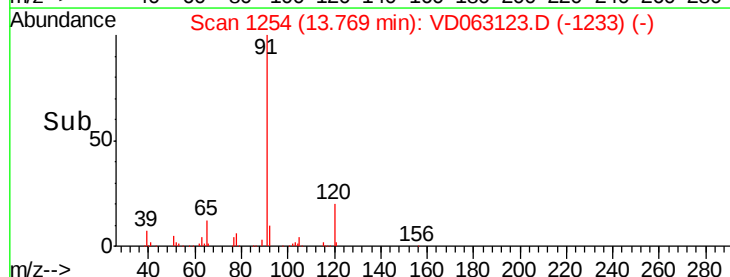
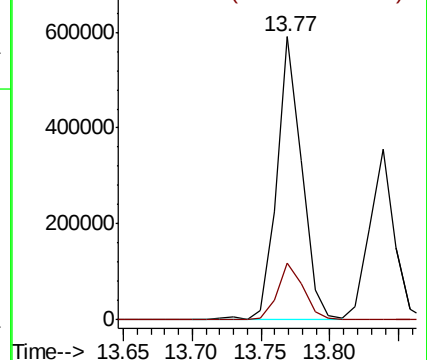
91 100

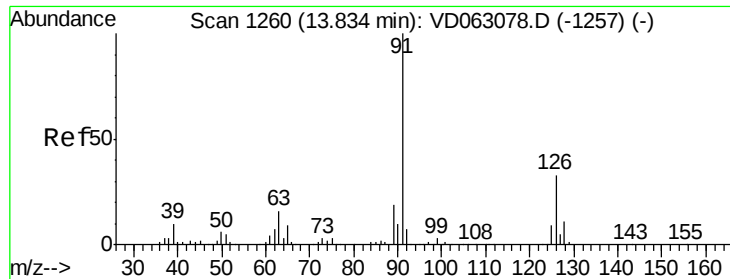
120 20.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

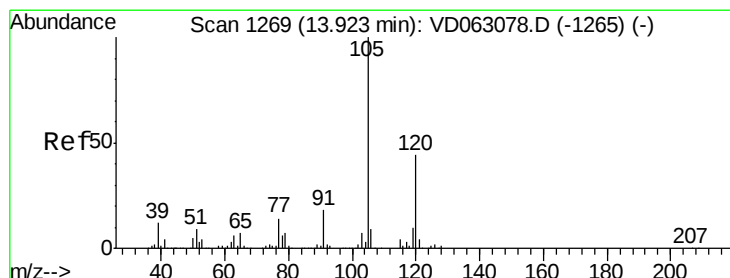
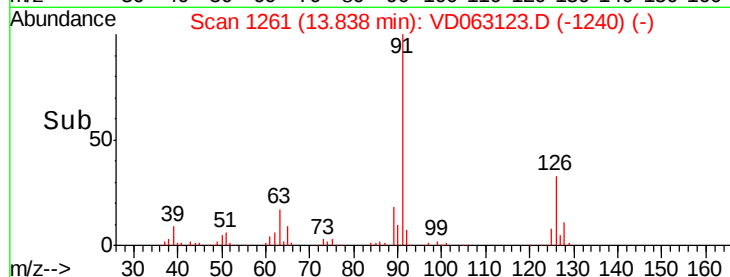
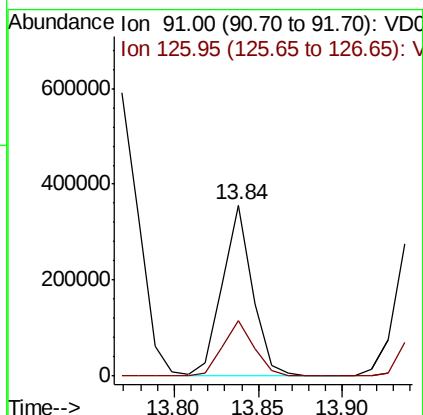
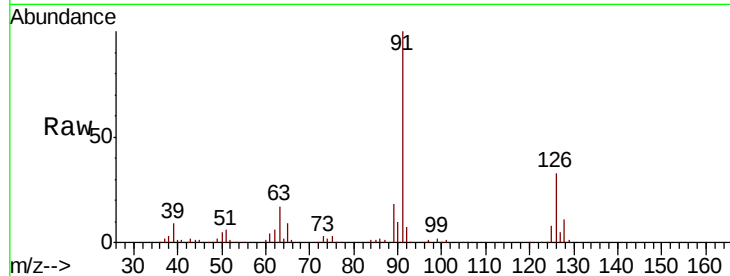




#79
2-Chlorotoluene
Concen: 20.258 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

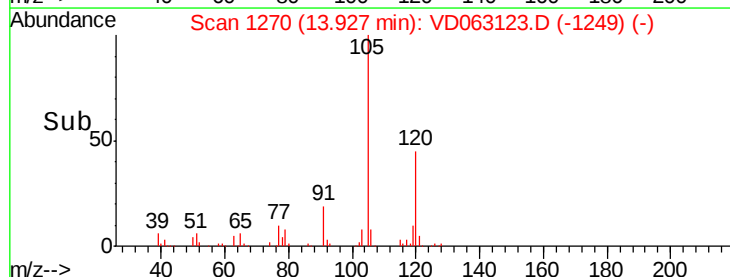
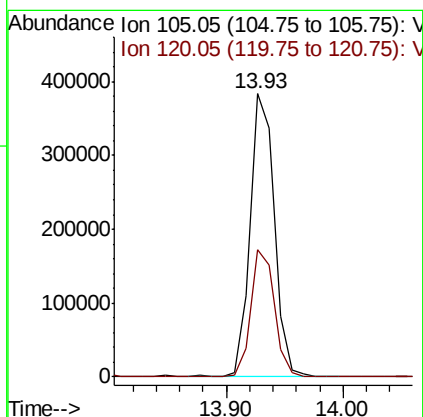
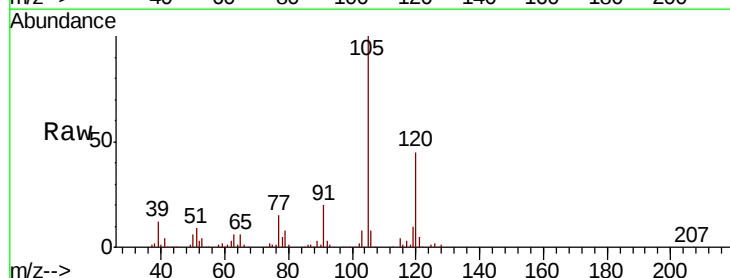
Instrument :
MSVOA_D
ClientSampleId :

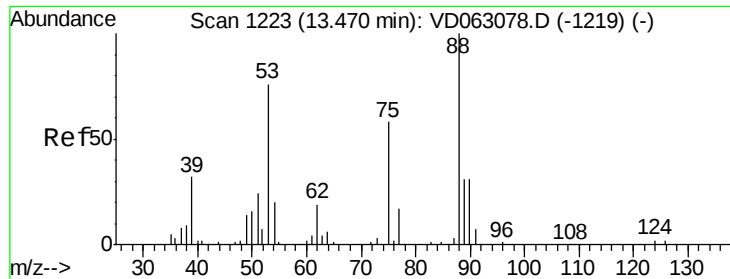
Tot Ion: 91 Resp: 445076
Ion Ratio Lower Upper
91 100
126 32.6 16.4 49.2



#80
1,3,5-Trimethylbenzene
Concen: 20.050 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 105 Resp: 551768
Ion Ratio Lower Upper
105 100
120 44.7 21.8 65.4

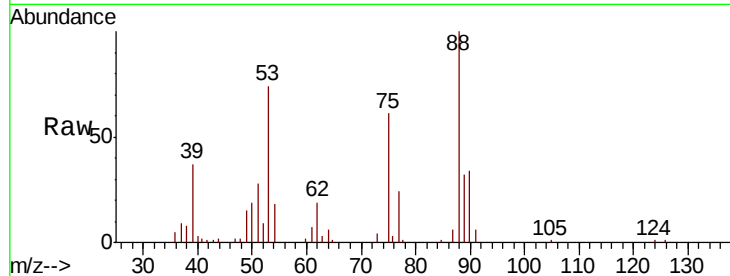




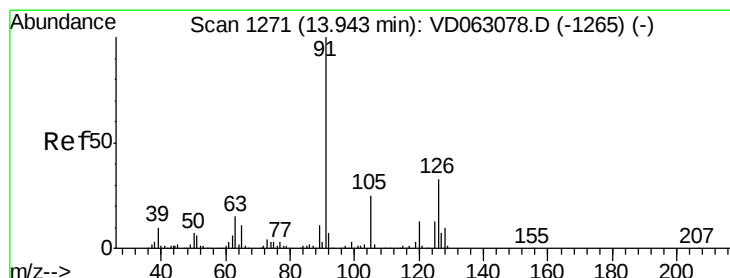
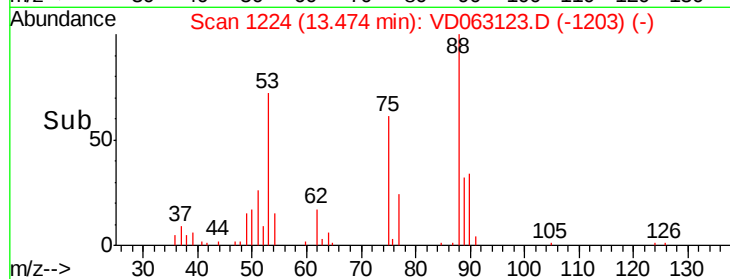
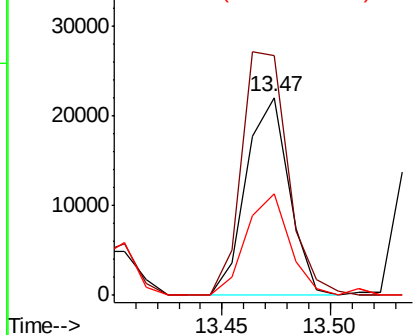
#81
trans-1,4-Dichloro-2-butene
Concen: 18.373 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 30431
Ion Ratio Lower Upper
75 100
53 121.2 104.4 156.6
89 51.5 43.1 64.7

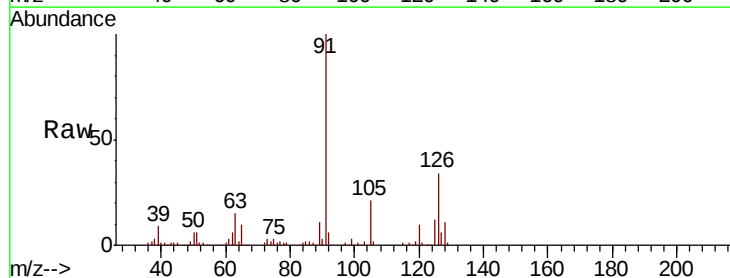


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

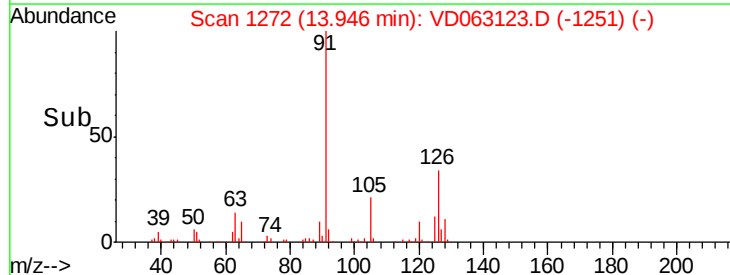
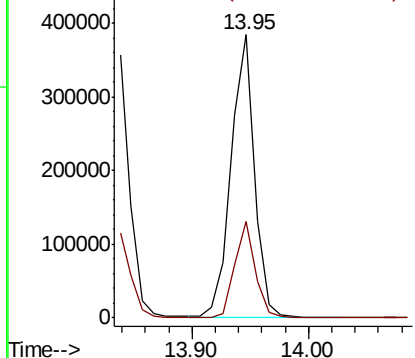


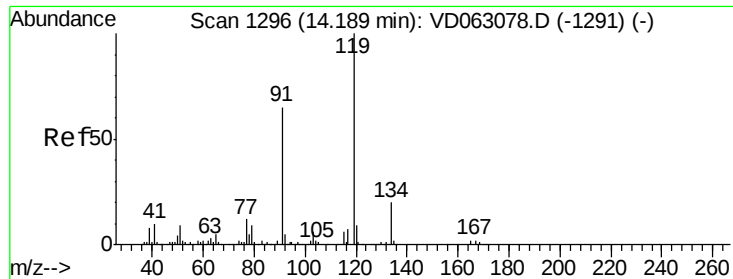
#82
4-Chlorotoluene
Concen: 20.796 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 91 Resp: 533530
Ion Ratio Lower Upper
91 100
126 34.1 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

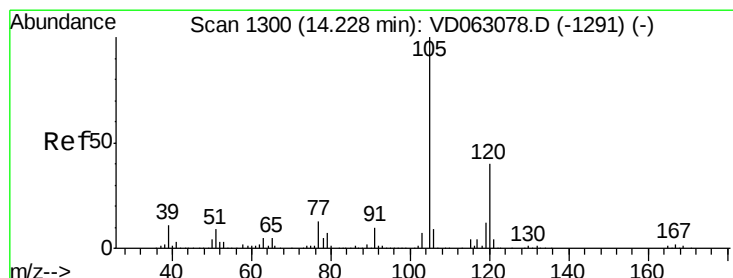
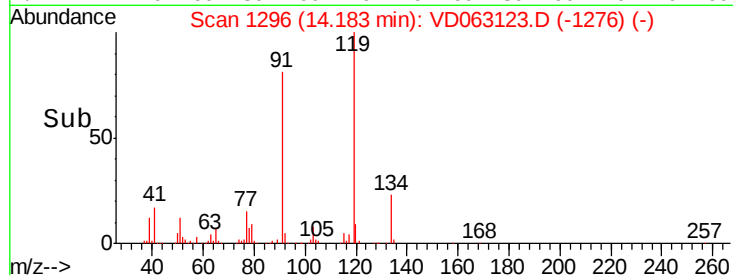
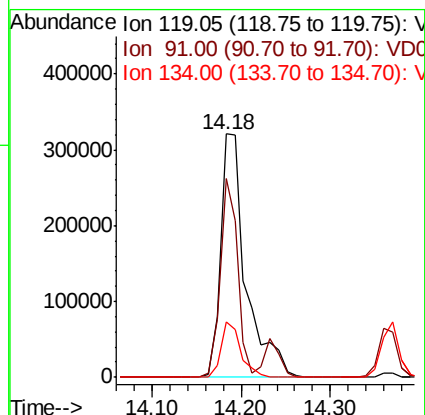
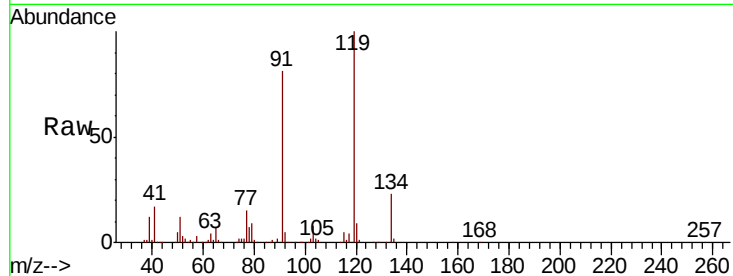




#83
 tert-Butylbenzene
 Concen: 20.429 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

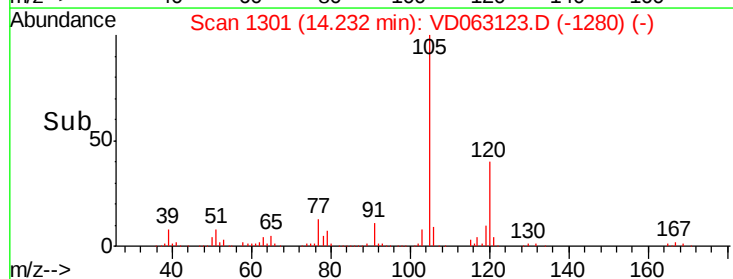
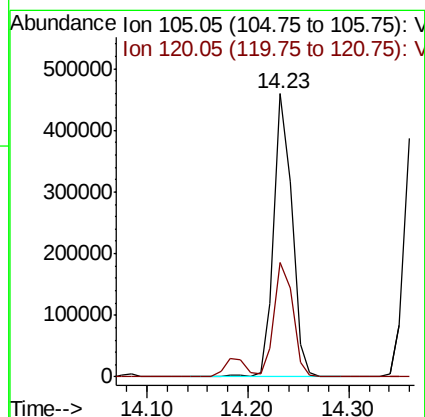
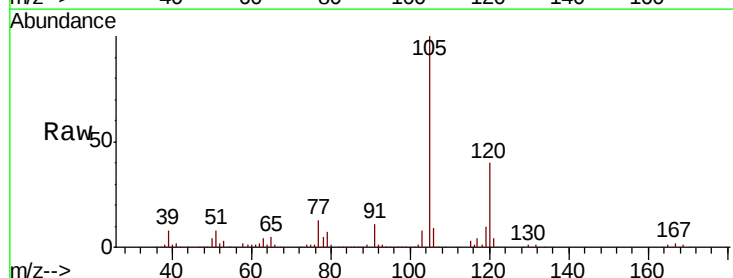
Instrument :
 MSVOA_D
 ClientSampleId :

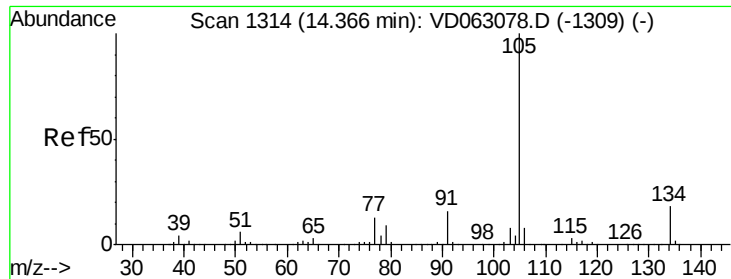
Tot Ion:119 Resp: 635667
 Ion Ratio Lower Upper
 119 100
 91 81.5 32.4 97.2
 134 22.7 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.917 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion:105 Resp: 573876
 Ion Ratio Lower Upper
 105 100
 120 40.2 20.2 60.6

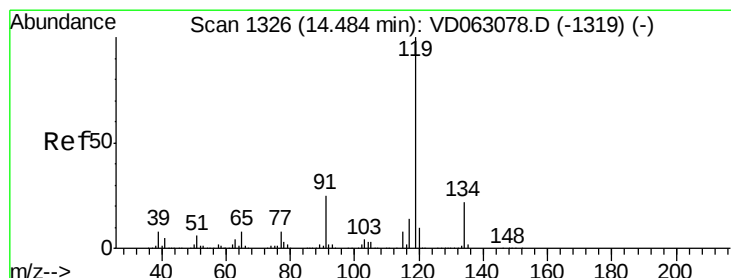
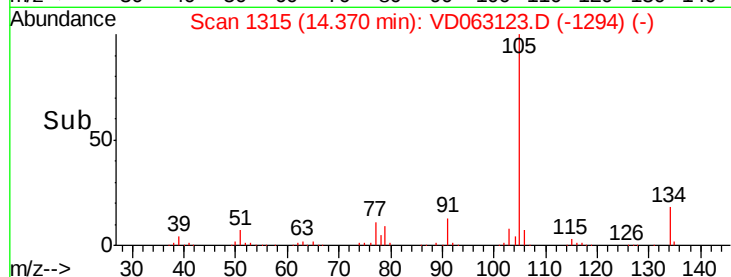
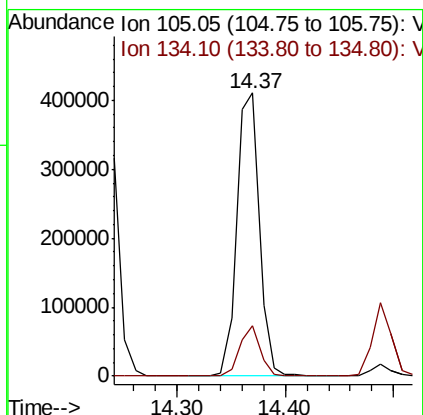
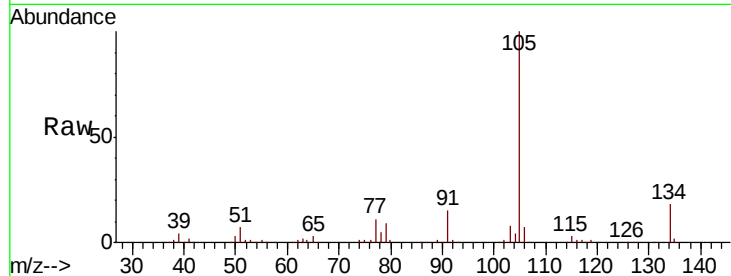




#85
 sec-Butylbenzene
 Concen: 17.949 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

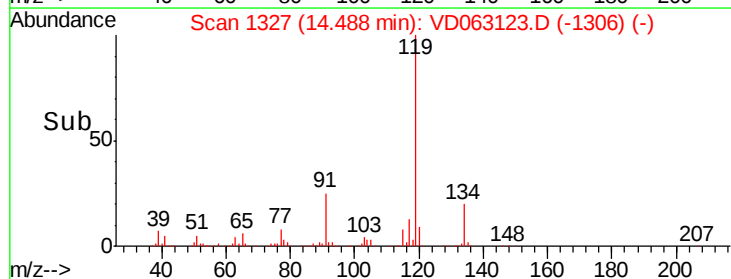
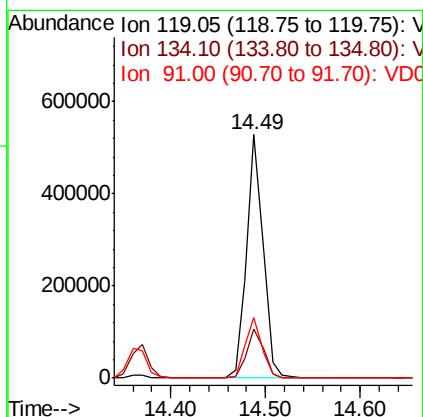
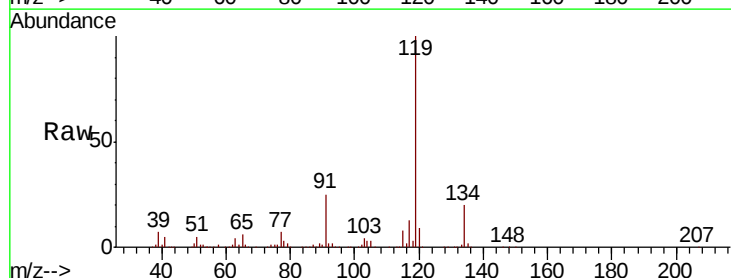
Instrument :
 MSVOA_D
 ClientSampled :

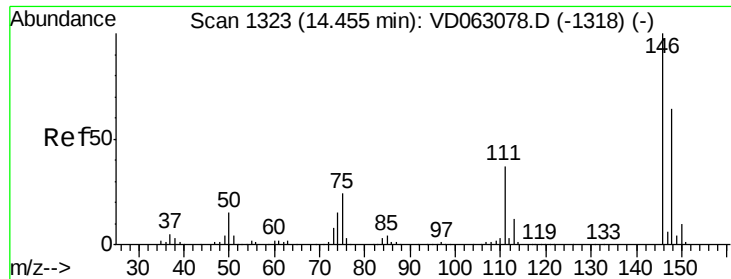
Tot Ion:105 Resp: 593407
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 20.612 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion:119 Resp: 635704
 Ion Ratio Lower Upper
 119 100
 134 20.3 10.8 32.4
 91 24.6 12.5 37.5

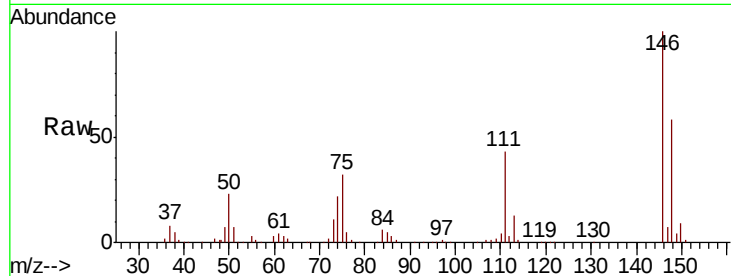




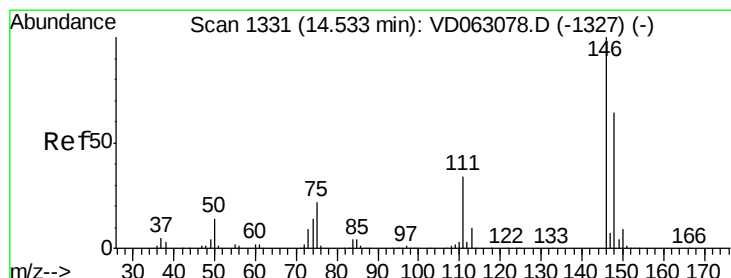
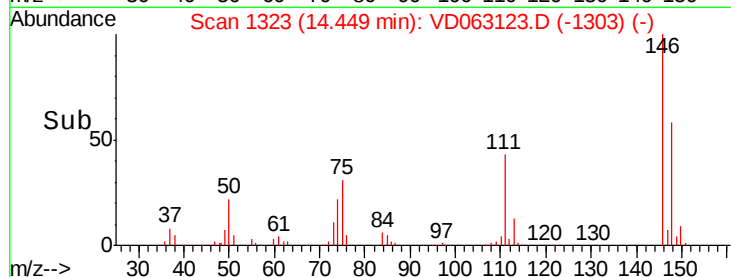
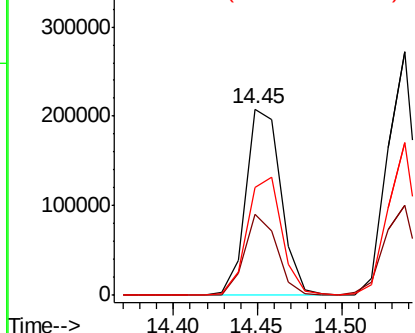
#87
 1,3-Dichlorobenzene
 Concen: 18.841 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	18.6	55.6
148	57.8	32.0	96.0

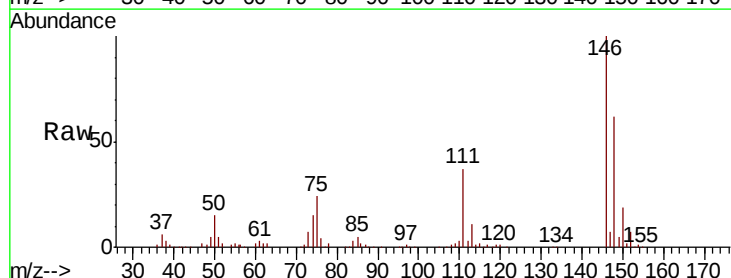


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

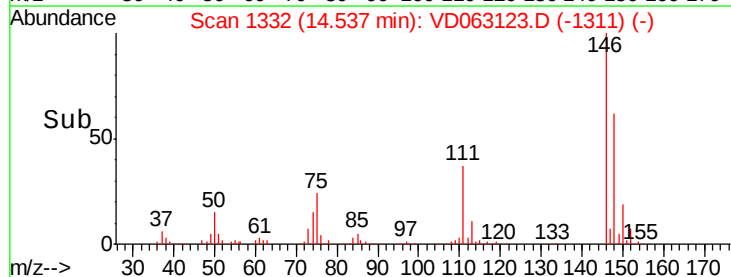
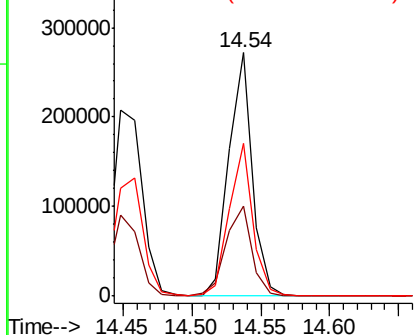


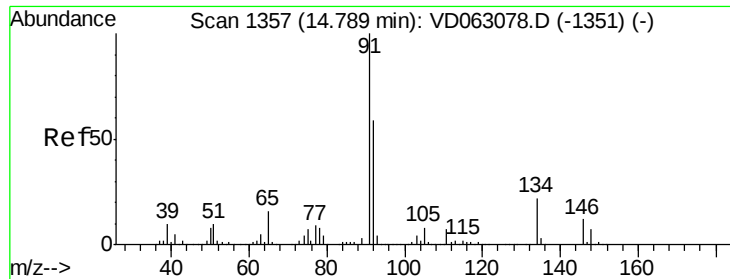
#88
 1,4-Dichlorobenzene
 Concen: 21.073 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.0	51.0
148	62.5	32.0	96.2



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

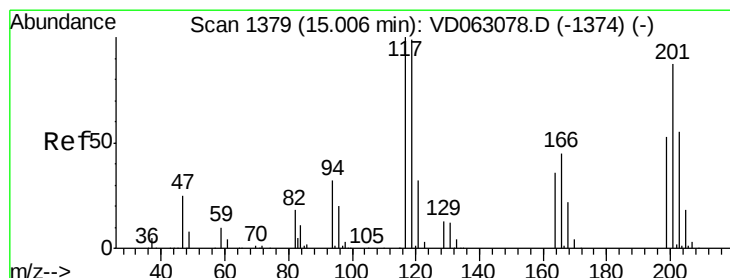
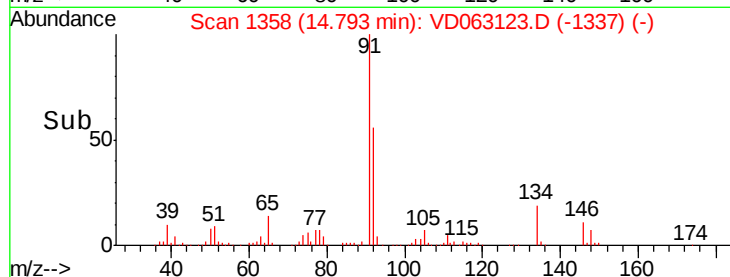
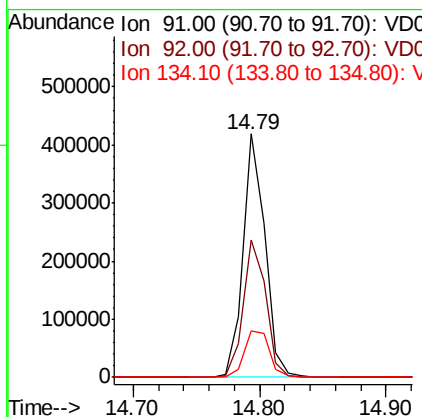
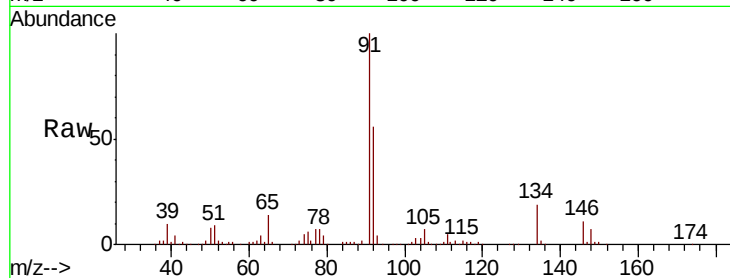




#89
n-Butylbenzene
Concen: 17.626 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

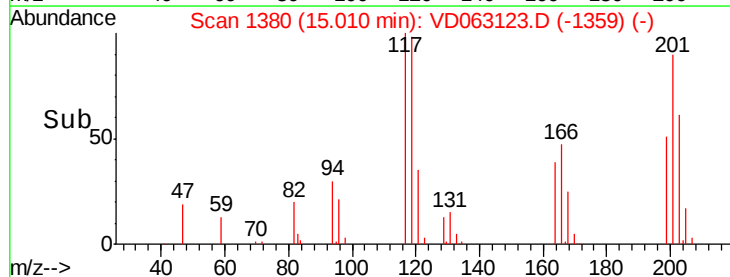
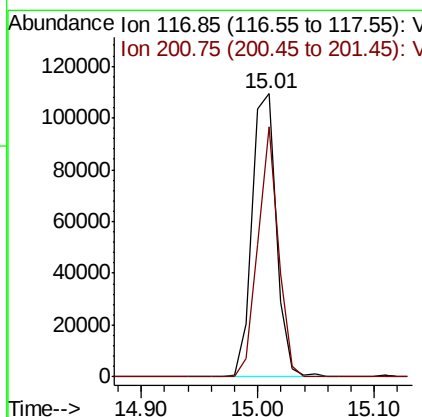
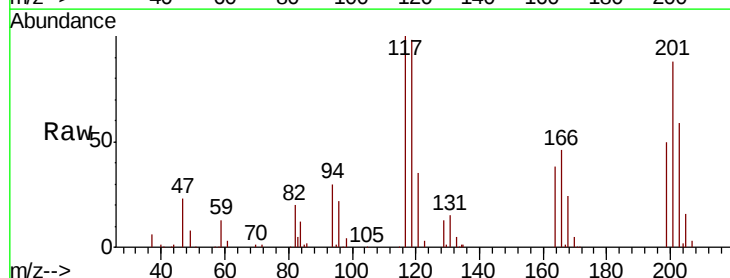
Instrument :
MSVOA_D
ClientSampleId :

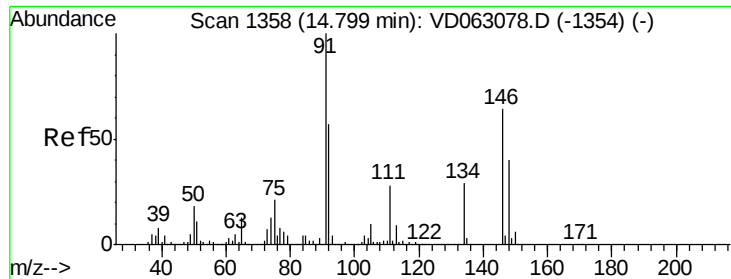
Tot Ion: 91 Resp: 501069
Ion Ratio Lower Upper
91 100
92 56.4 29.4 88.3
134 19.0 11.3 33.8



#90
Hexachloroethane
Concen: 19.263 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD063123.D
Acq: 17 Jul 2019 11:20

Tgt Ion: 117 Resp: 158821
Ion Ratio Lower Upper
117 100
201 88.2 43.4 130.1

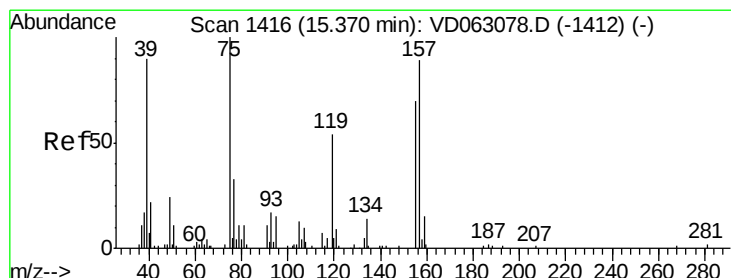
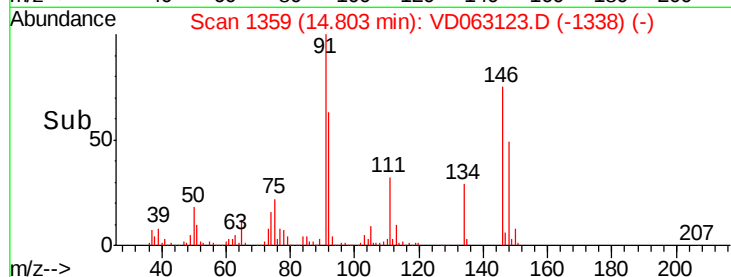
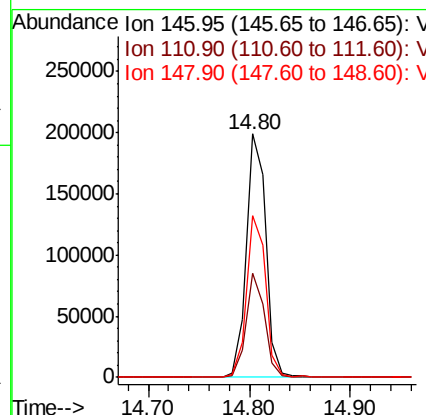
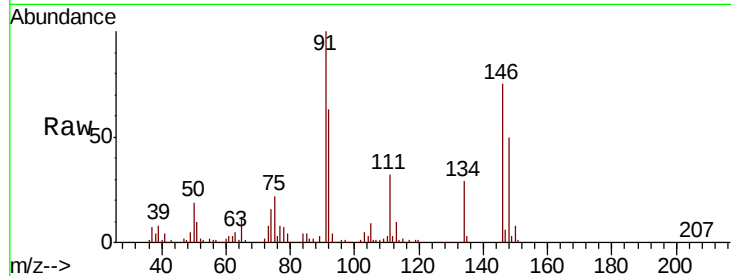




#91
 1,2-Dichlorobenzene
 Concen: 18.793 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

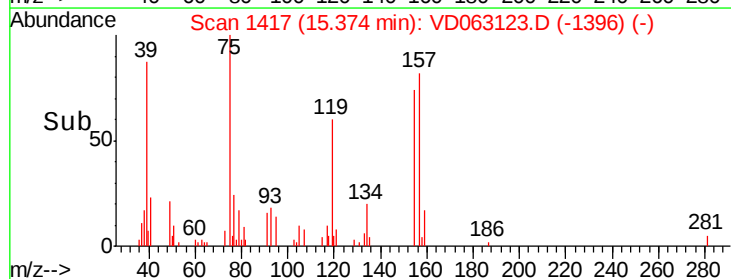
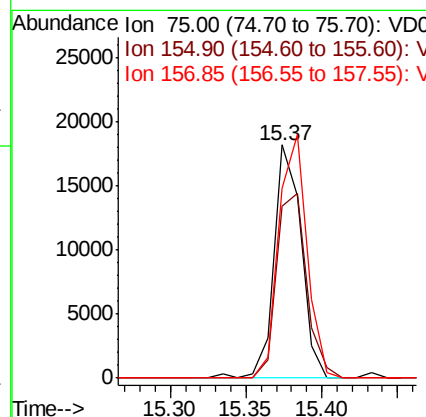
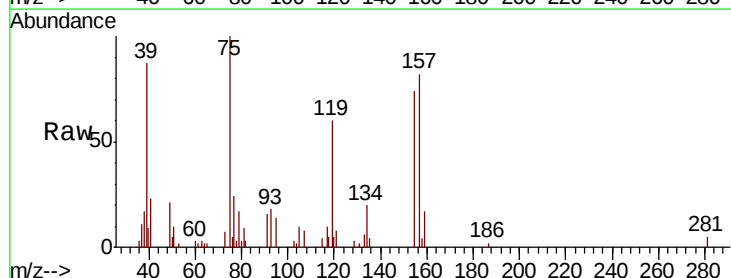
Instrument :
 MSVOA_D
 ClientSampleId :

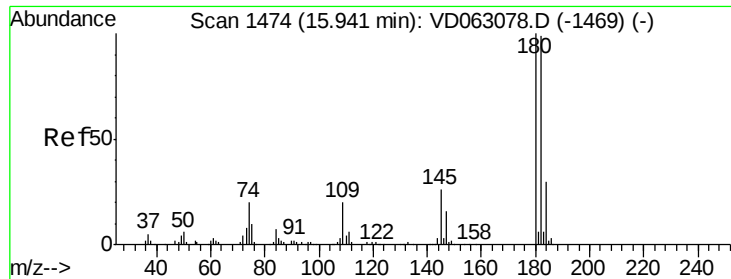
Tot Ion:146 Resp: 267595
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.9 65.5
 148 66.3 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.819 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion: 75 Resp: 22925
 Ion Ratio Lower Upper
 75 100
 155 73.5 34.8 104.3
 157 81.6 44.7 134.1

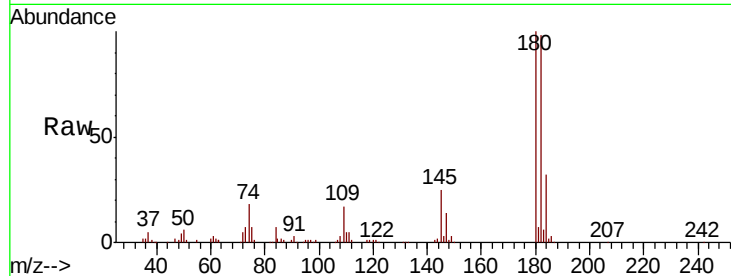




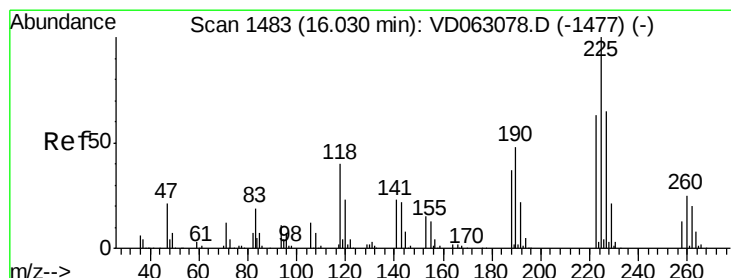
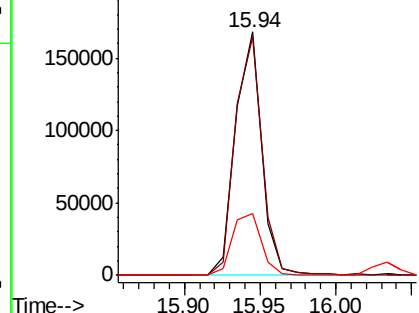
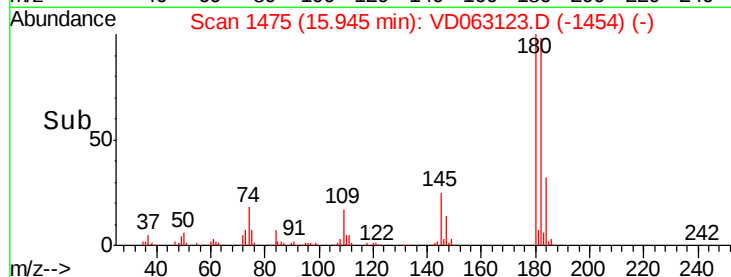
#93
 1,2,4-Trichlorobenzene
 Concen: 18.891 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	49.5	148.3
145	25.5	12.8	38.4

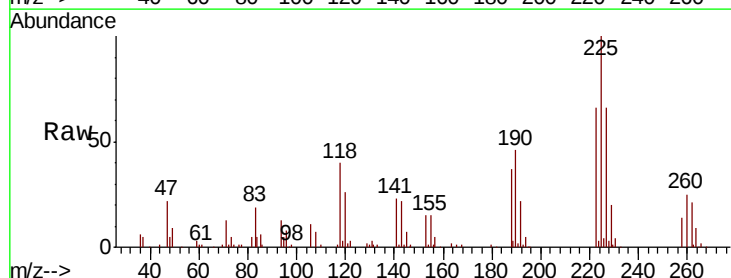


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

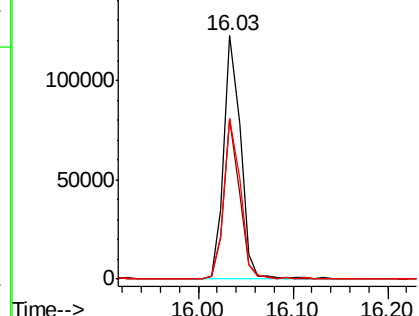
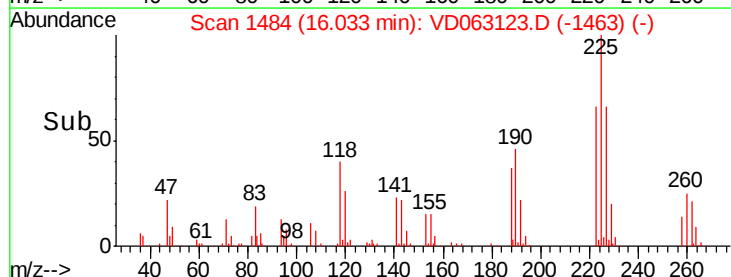


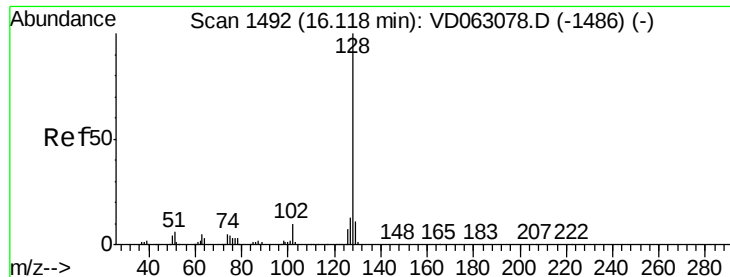
#94
 Hexachlorobutadiene
 Concen: 19.207 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063123.D
 Acq: 17 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.4	94.2
227	66.0	32.6	97.8



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: 20.719 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

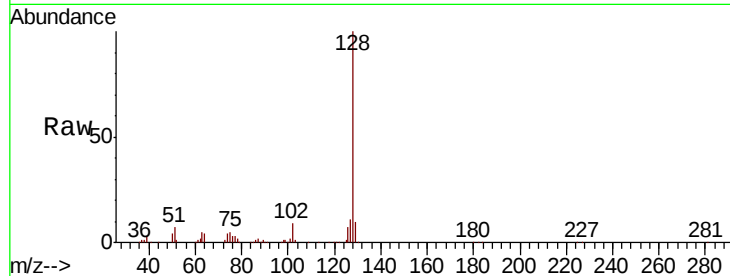
Tot Ion:128 Resp: 324228

Ion Ratio Lower Upper

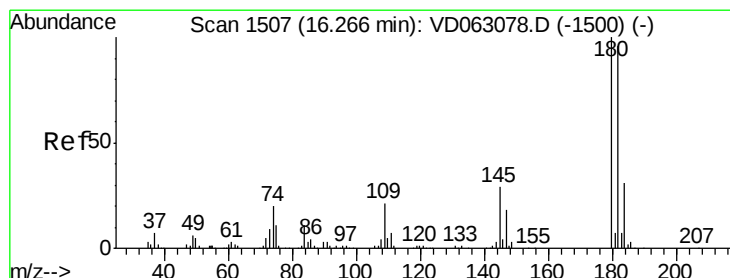
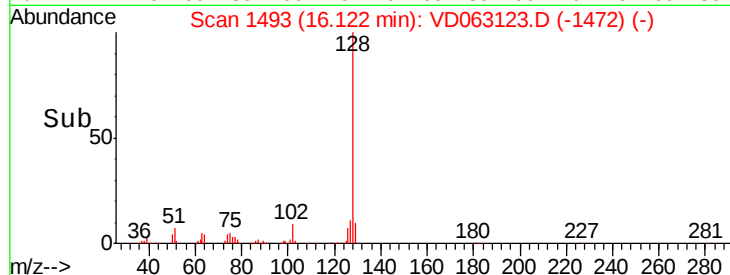
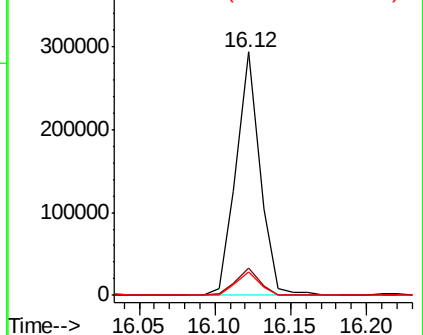
128 100

127 11.0 10.7 16.1

129 9.7 8.7 13.1



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: 20.587 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063123.D

Acq: 17 Jul 2019 11:20

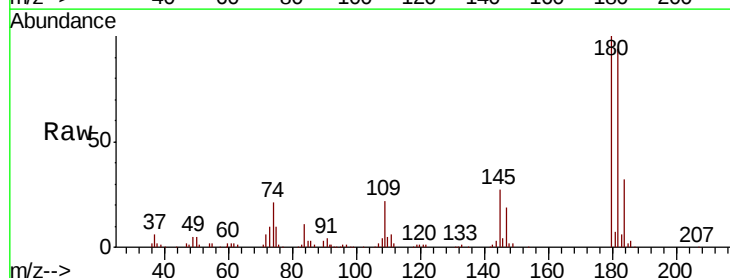
Tgt Ion:180 Resp: 177168

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.6

145 27.2 14.4 43.4



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

