

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042319\
 Data File : VD061956.D
 Acq On : 23 Apr 2019 00:45
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 23 08:59:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 08:54:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	543589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	854284	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	723726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	308559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	95136	19.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.98%	
35) Dibromofluoromethane	6.92	113	137440	20.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.70%	
50) Toluene-d8	10.41	98	298628	19.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.82%	
62) 4-Bromofluorobenzene	13.55	95	127640	20.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	86737	16.340	ug/l	95
3) Chloromethane	1.75	50	73410	17.238	ug/l	98
4) Vinyl Chloride	1.85	62	67205	16.437	ug/l	94
5) Bromomethane	2.14	94	19815	17.907	ug/l	97
6) Chloroethane	2.25	64	22320	15.845	ug/l	96
7) Trichlorofluoromethane	2.53	101	109188	16.152	ug/l	99
8) Diethyl Ether	2.87	74	27654	15.915	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	97064	16.323	ug/l	97
10) Methyl Iodide	3.31	142	147020	18.095	ug/l	99
11) Tert butyl alcohol	4.05	59	23257	85.170	ug/l	95
12) 1,1-Dichloroethene	3.13	96	78730	15.814	ug/l	95
13) Acrolein	3.03	56	11780	44.216	ug/l	86
14) Allyl chloride	3.61	41	103289	15.124	ug/l	97
15) Acrylonitrile	4.19	53	72564	84.718	ug/l	98
16) Acetone	3.22	43	82415	75.463	ug/l	97
17) Carbon Disulfide	3.38	76	230730	14.509	ug/l	99
18) Methyl Acetate	3.63	43	38672	17.101	ug/l	# 88
19) Methyl tert-butyl Ether	4.23	73	175228	17.954	ug/l	98
20) Methylene Chloride	3.81	84	103534	15.304	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	93459	16.606	ug/l	98
22) Diisopropyl ether	5.12	45	295641	19.477	ug/l	94
23) Vinyl Acetate	5.05	43	817121	100.038	ug/l	97
24) 1,1-Dichloroethane	4.98	63	181124	19.617	ug/l	98
25) 2-Butanone	6.06	43	124714	95.349	ug/l	92
26) 2,2-Dichloropropane	6.01	77	147015	18.820	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	119976	19.526	ug/l	93
28) Bromochloromethane	6.44	49	72286	20.371	ug/l	95
29) Tetrahydrofuran	6.45	42	60071	92.818	ug/l	98
30) Chloroform	6.66	83	204452	19.813	ug/l	96
31) Cyclohexane	6.95	56	128857	18.875	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	176818	19.552	ug/l	98
36) 1,1-Dichloropropene	7.15	75	148239	21.030	ug/l	97
37) Ethyl Acetate	6.17	43	61169	20.075	ug/l	98
38) Carbon Tetrachloride	7.11	117	192286	21.599	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	138305	19.150	ug/l	97
40) Benzene	7.45	78	354306	20.892	ug/l	98
41) Methacrylonitrile	6.44	41	75083	20.624	ug/l	95
42) 1,2-Dichloroethane	7.58	62	127946	21.398	ug/l	98
43) Isopropyl Acetate	9.24	43	87930	20.671	ug/l	96
44) Trichloroethene	8.53	130	124069	18.940	ug/l	92
45) 1,2-Dichloropropane	8.94	63	89012	20.117	ug/l	91
46) Dibromomethane	9.07	93	64963	20.469	ug/l	97
47) Bromodichloromethane	9.37	83	158265	21.912	ug/l	98
48) Methyl methacrylate	9.11	41	50935	20.534	ug/l	98
49) 1,4-Dioxane	9.08	88	11157	411.606	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	293560	110.656	ug/l	99
52) Toluene	10.51	92	232590	21.284	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	129856	19.982	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	164446	21.498	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	80128	21.741	ug/l	96
56) Ethyl methacrylate	11.04	69	85409	20.986	ug/l	98
57) 1,3-Dichloropropane	11.41	76	121657	21.818	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	200173	101.841	ug/l	97
59) 2-Hexanone	11.53	43	196119	101.549	ug/l	96
60) Dibromochloromethane	11.68	129	135278	22.715	ug/l	95
61) 1,2-Dibromoethane	11.80	107	85834	18.842	ug/l	97
64) Tetrachloroethene	11.25	164	113287	20.883	ug/l	96
65) Chlorobenzene	12.40	112	258632	18.851	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	116060	20.235	ug/l	98
67) Ethyl Benzene	12.52	91	417677	19.109	ug/l	96
68) m/p-Xylenes	12.67	106	344919	42.578	ug/l	99
69) o-Xylene	13.05	106	170926	22.161	ug/l	92
70) Styrene	13.07	104	298583	22.660	ug/l	98
71) Bromoform	13.24	173	68858	20.226	ug/l #	94
73) Isopropylbenzene	13.40	105	425018	21.557	ug/l	100
74) N-amyl acetate	13.27	43	116934	21.831	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	90347	22.875	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	89006	21.997	ug/l	97
77) Bromobenzene	13.67	156	125068	22.100	ug/l	96
78) n-propylbenzene	13.77	91	480598	20.971	ug/l	99
79) 2-Chlorotoluene	13.84	91	304121	22.586	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	375037	23.463	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	26193	22.577	ug/l	96
82) 4-Chlorotoluene	13.95	91	365197	23.584	ug/l	96
83) tert-Butylbenzene	14.19	119	417127	22.494	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	329339	21.174	ug/l	98
85) sec-Butylbenzene	14.37	105	426125	22.147	ug/l	95
86) p-Isopropyltoluene	14.49	119	416422	23.328	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	240861	24.473	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	197428	20.328	ug/l	97
89) n-Butylbenzene	14.79	91	383475	23.955	ug/l	96
90) Hexachloroethane	15.01	117	113941	23.272	ug/l #	63
91) 1,2-Dichlorobenzene	14.80	146	201394	24.097	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11877	21.752	ug/l	82

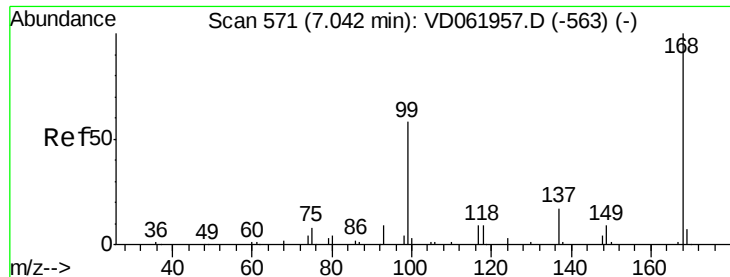
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	103618	22.766	ug/l	92
94) Hexachlorobutadiene	16.04	225	69899	21.295	ug/l	95
95) Naphthalene	16.12	128	157529	22.669	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	53966	20.931	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

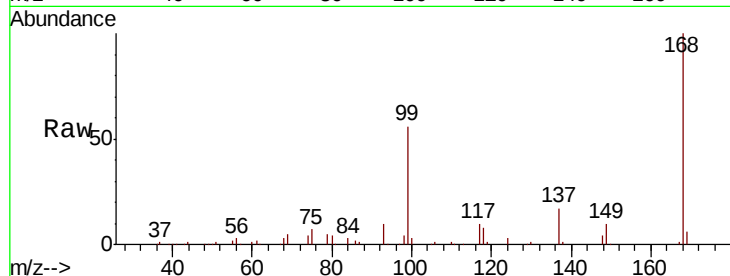
VSTDIC020

Tgt Ion:168 Resp: 543589

Ion Ratio Lower Upper

168 100

99 55.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

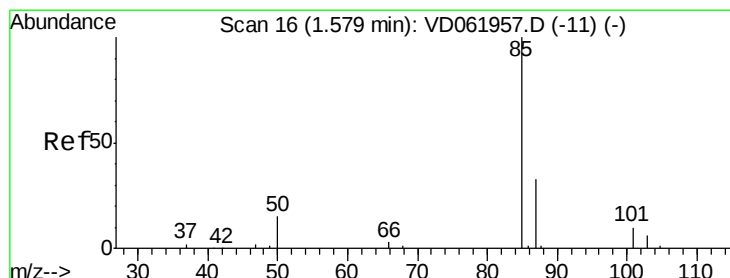
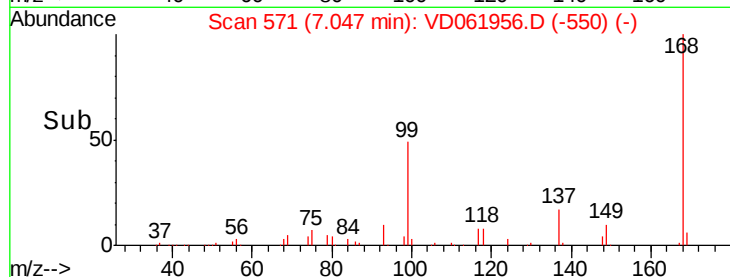
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 16.340 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061956.D

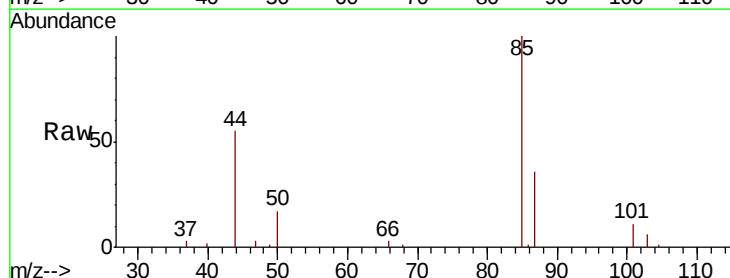
Acq: 23 Apr 2019 00:45

Tgt Ion: 85 Resp: 86737

Ion Ratio Lower Upper

85 100

87 35.5 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

40000

30000

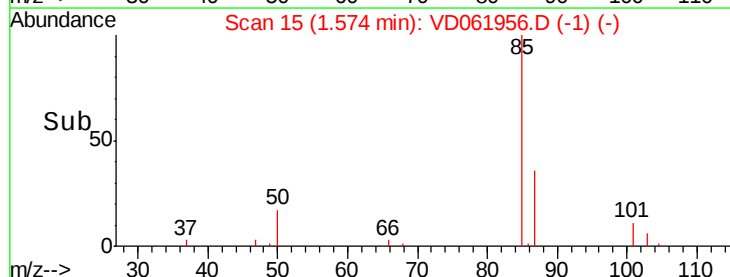
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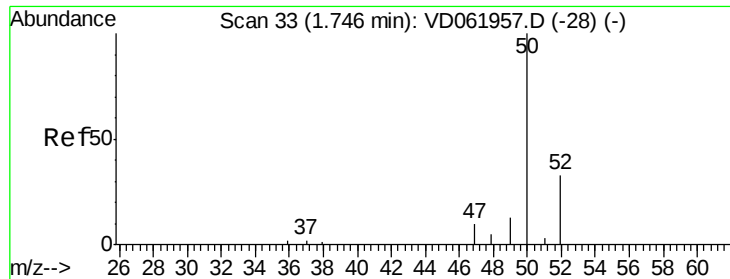
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 17.238 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

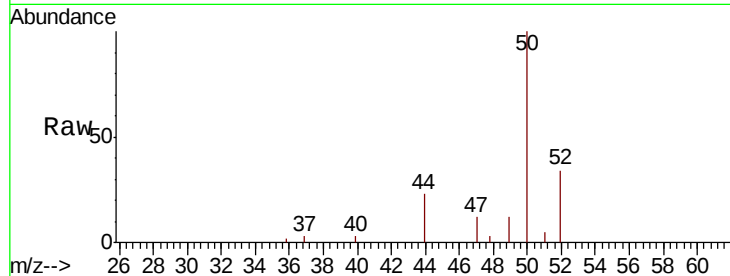
VSTDIC020

Tgt Ion: 50 Resp: 73410

Ion Ratio Lower Upper

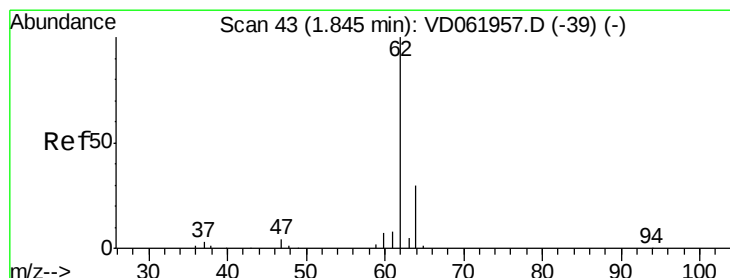
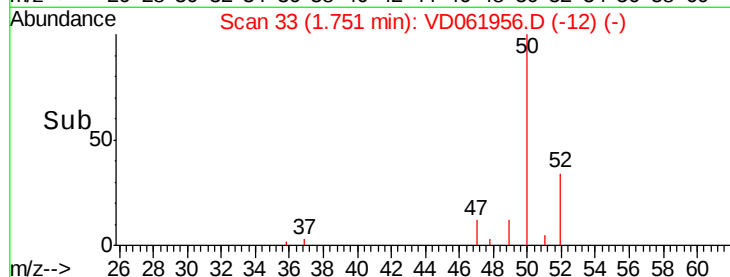
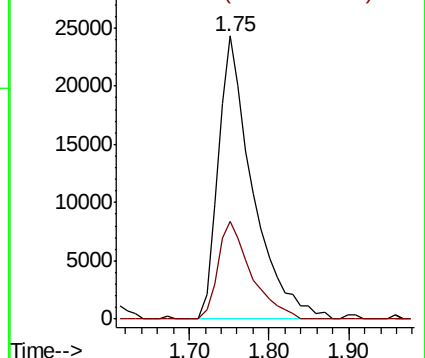
50 100

52 34.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.437 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD061956.D

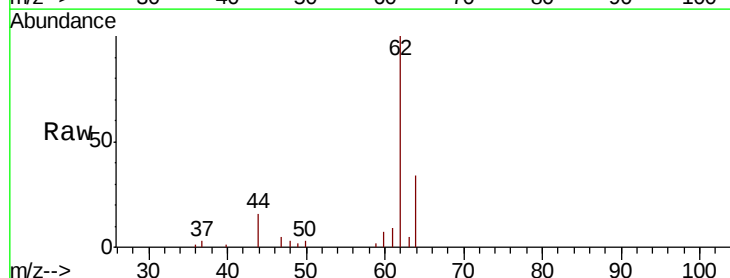
Acq: 23 Apr 2019 00:45

Tgt Ion: 62 Resp: 67205

Ion Ratio Lower Upper

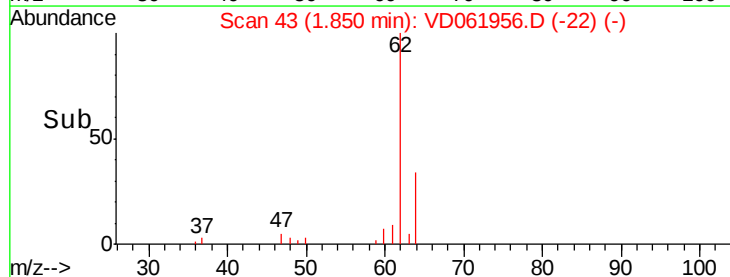
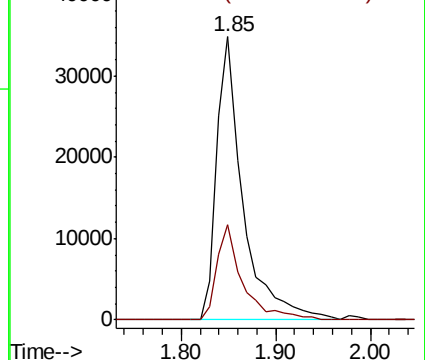
62 100

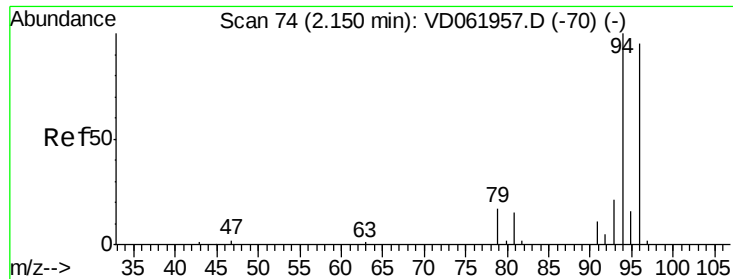
64 33.7 24.2 36.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.907 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

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ClientSampleId :

VSTDIC020

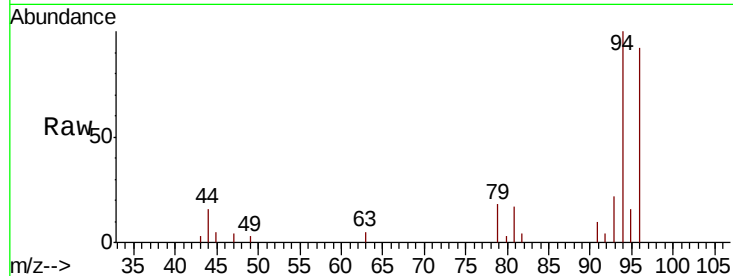
Tgt Ion: 94 Resp: 19815

Ion Ratio Lower Upper

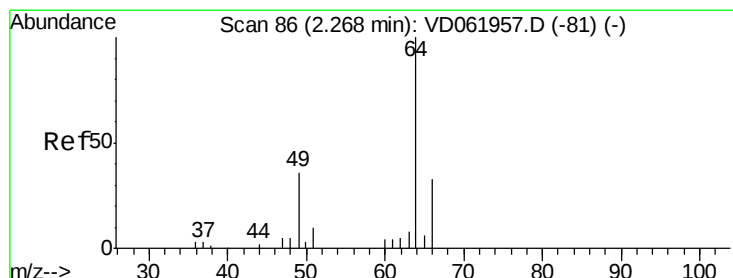
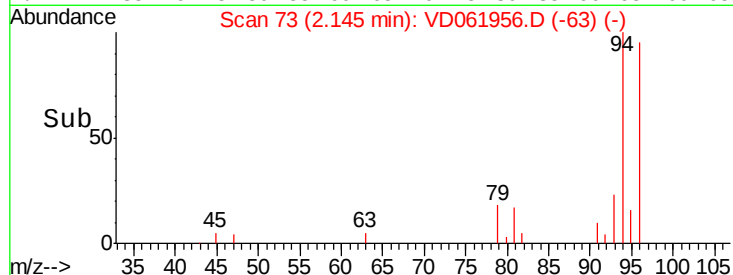
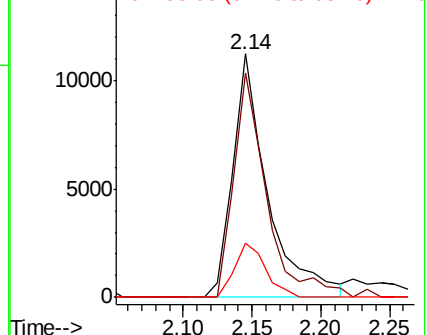
94 100

96 92.0 75.7 113.5

93 22.1 16.7 25.1



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: 15.845 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061956.D

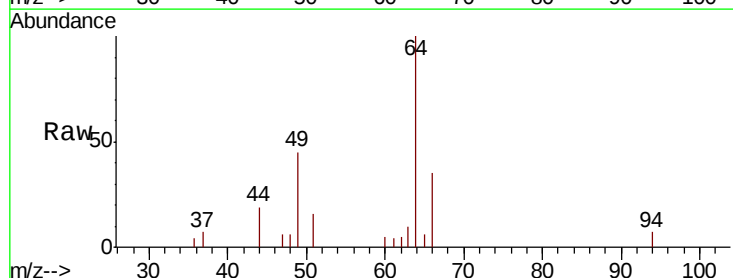
Acq: 23 Apr 2019 00:45

Tgt Ion: 64 Resp: 22320

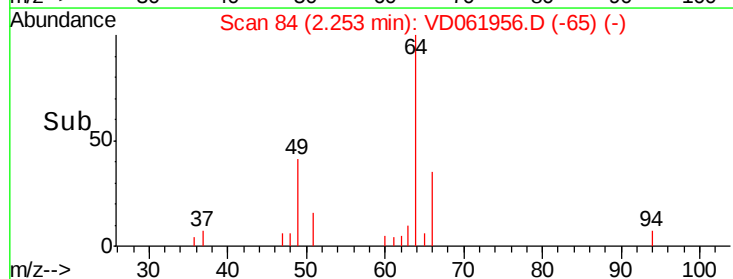
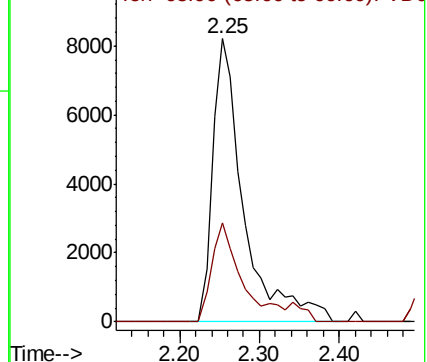
Ion Ratio Lower Upper

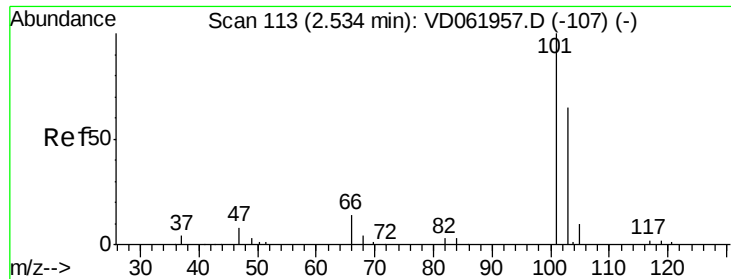
64 100

66 35.2 26.2 39.2



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



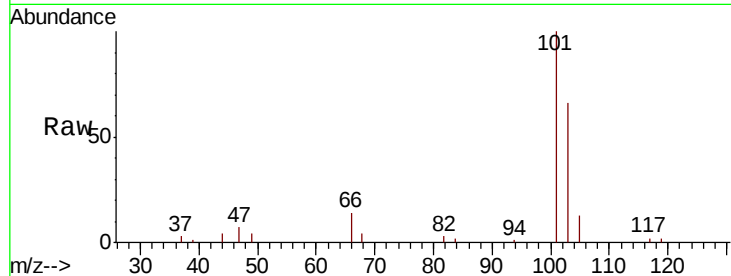


#7

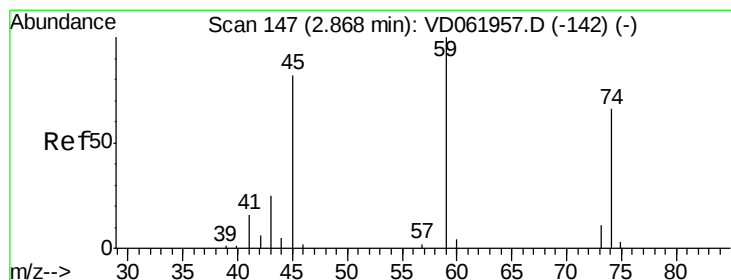
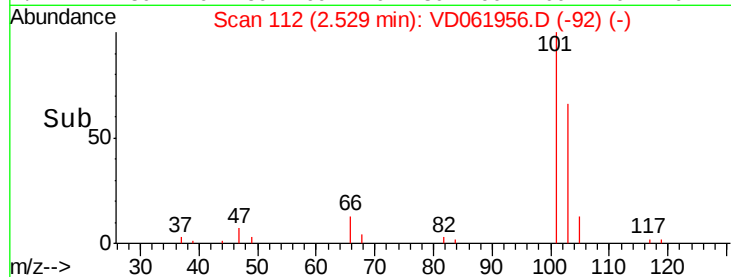
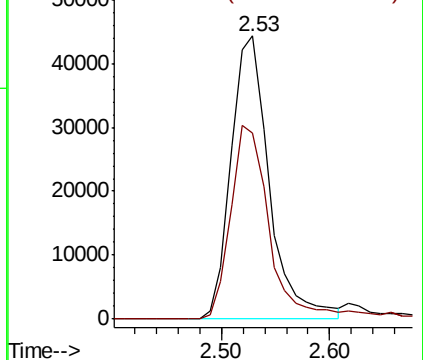
Trichlorofluoromethane
Concen: 16.152 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Instrument :
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Tgt Ion: 101 Resp: 109188
Ion Ratio Lower Upper
101 100
103 66.0 52.0 78.0



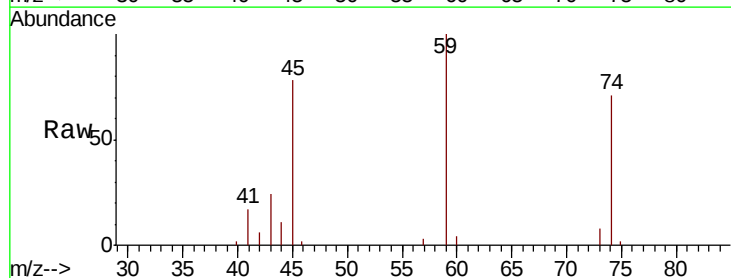
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



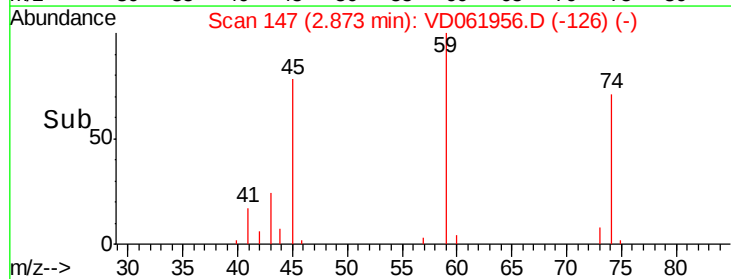
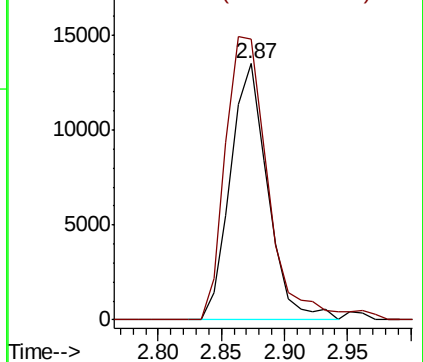
#8

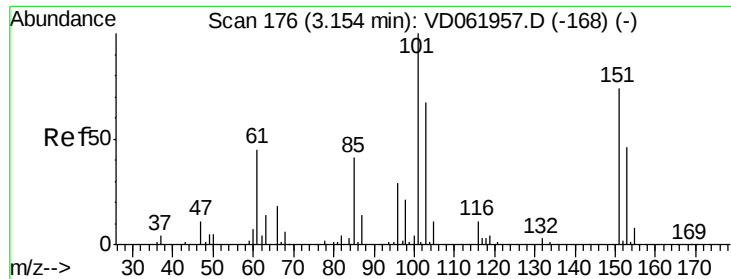
Diethyl Ether
Concen: 15.915 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 74 Resp: 27654
Ion Ratio Lower Upper
74 100
45 109.6 62.0 185.9



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: 16.323 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

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MSVOA_D

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VSTDIC020

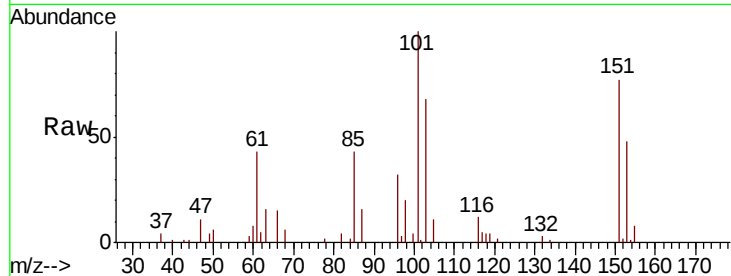
Tgt Ion:101 Resp: 97064

Ion Ratio Lower Upper

101 100

85 42.5 32.8 49.2

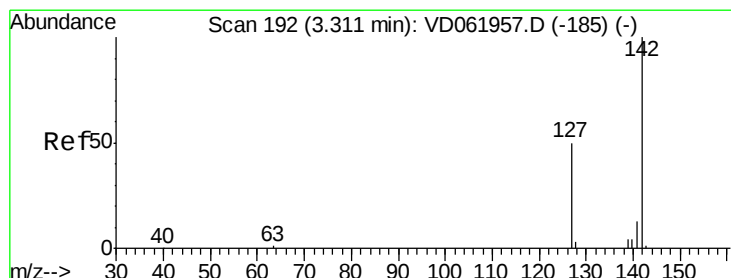
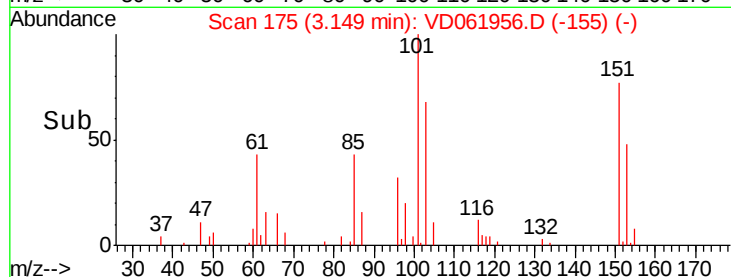
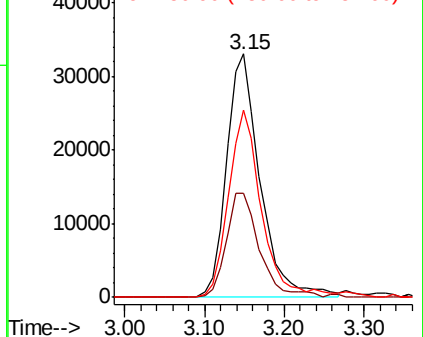
151 77.1 59.1 88.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.095 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

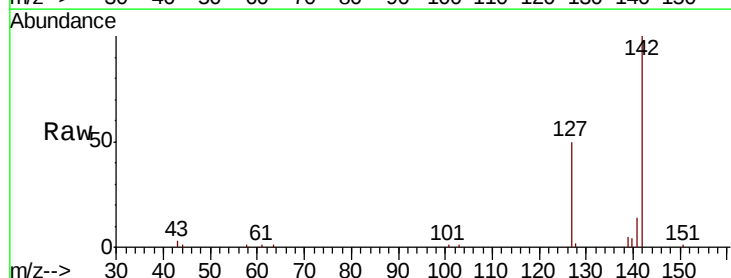
Tgt Ion:142 Resp: 147020

Ion Ratio Lower Upper

142 100

127 50.0 40.3 60.5

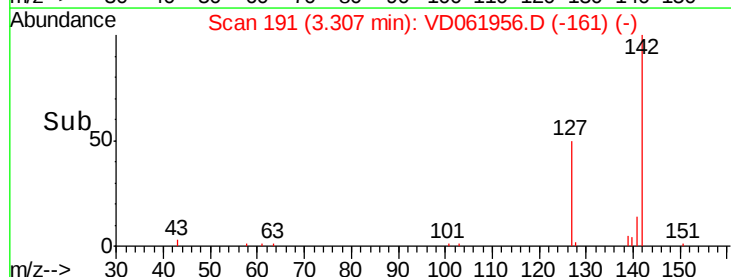
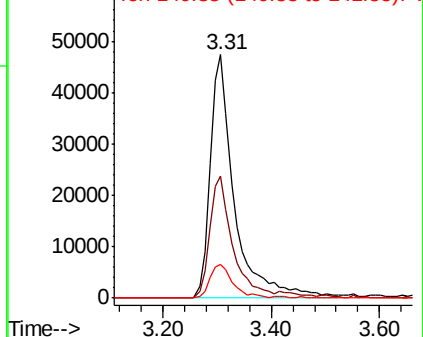
141 13.8 10.3 15.5

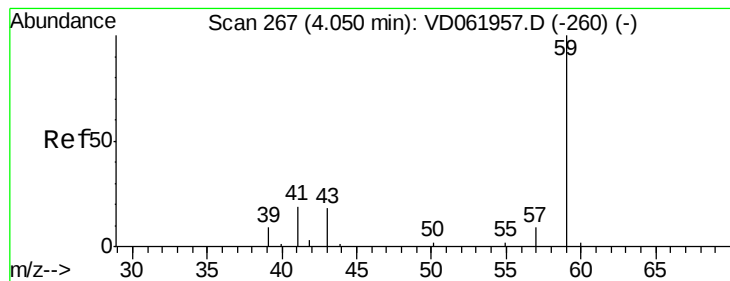


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



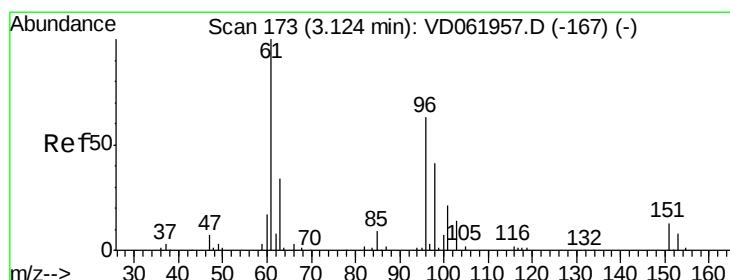
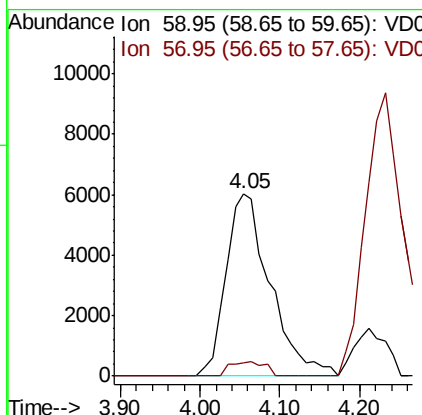
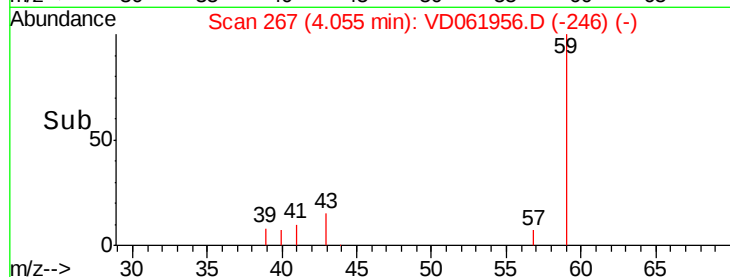
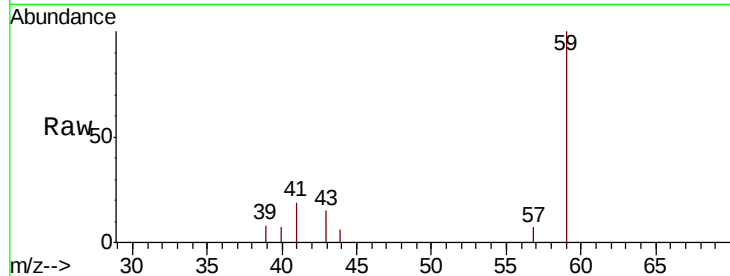


#11

Tert butyl alcohol
 Concen: 85.170 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. 0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

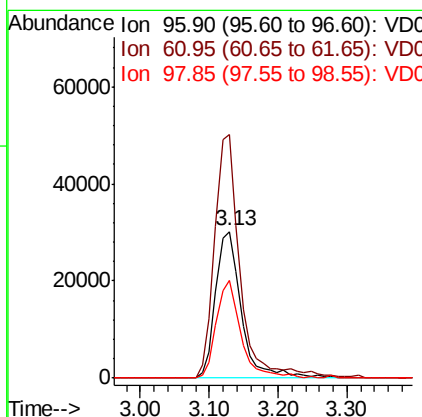
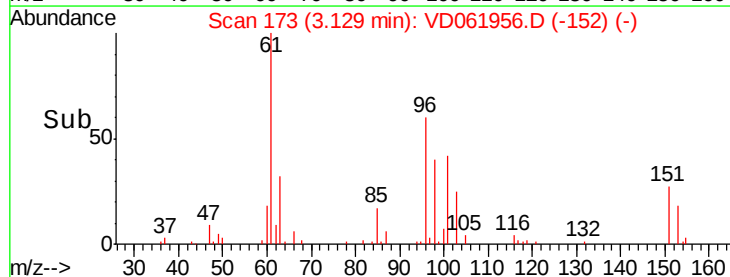
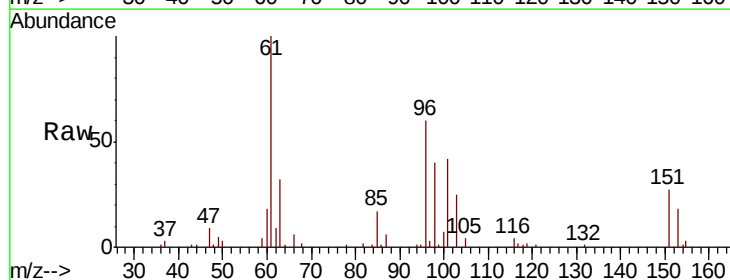
Tgt Ion: 59 Resp: 23257
 Ion Ratio Lower Upper
 59 100
 57 7.1 7.0 10.6

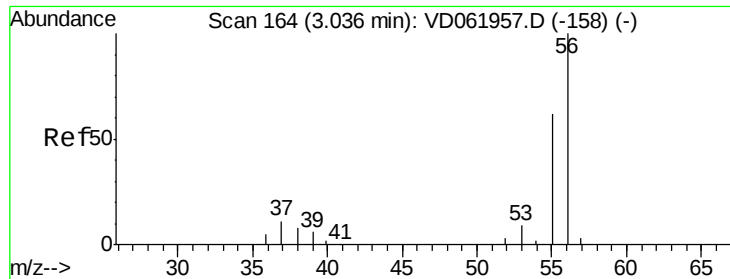


#12

1,1-Dichloroethene
 Concen: 15.814 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 96 Resp: 78730
 Ion Ratio Lower Upper
 96 100
 61 165.9 126.7 190.1
 98 66.3 51.5 77.3





#13

Acrolein

Concen: 44.216 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

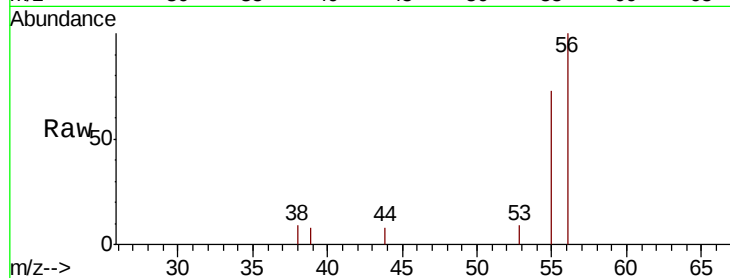
VSTDIC020

Tgt Ion: 56 Resp: 11780

Ion Ratio Lower Upper

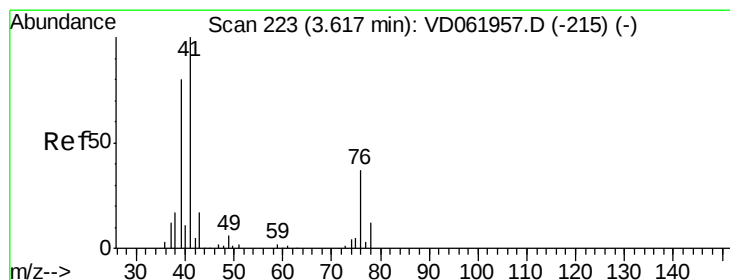
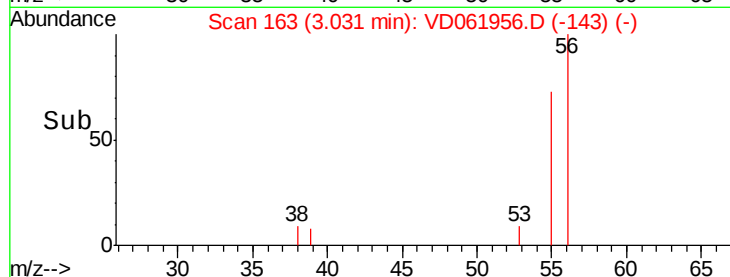
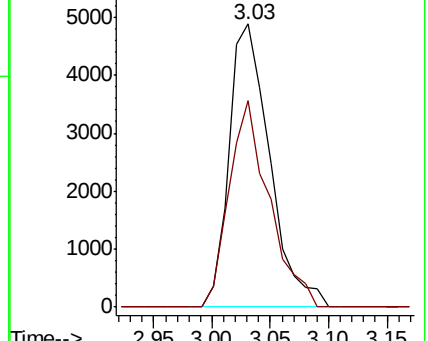
56 100

55 73.1 49.9 74.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 15.124 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

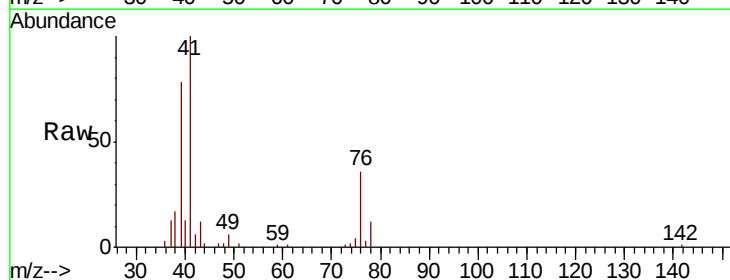
Tgt Ion: 41 Resp: 103289

Ion Ratio Lower Upper

41 100

39 78.4 63.6 95.4

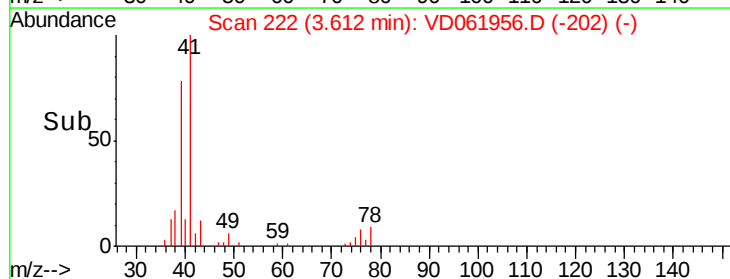
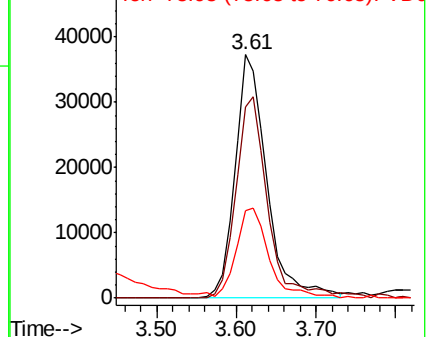
76 35.9 31.4 47.2

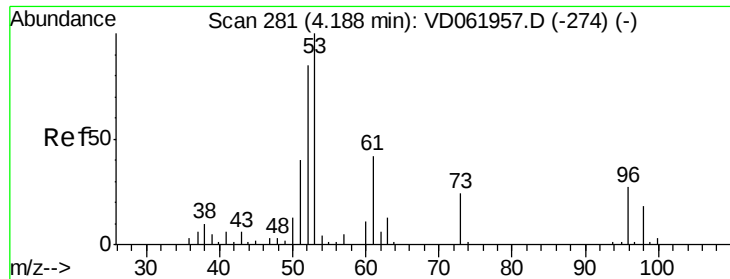


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

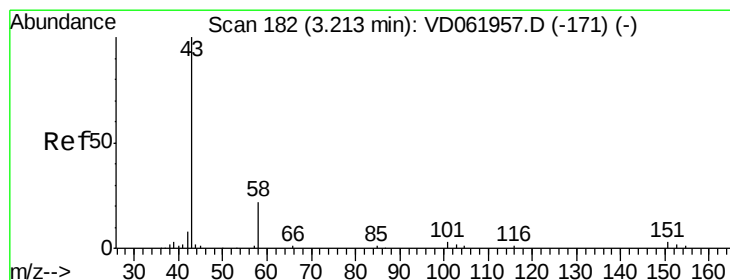
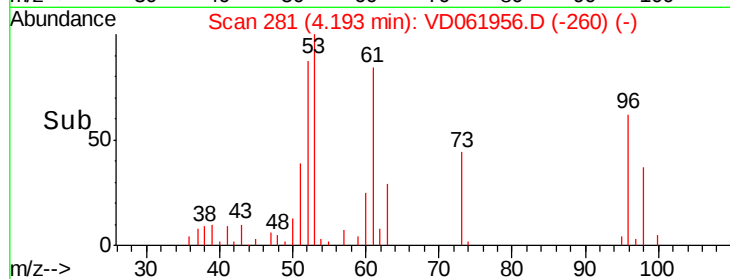
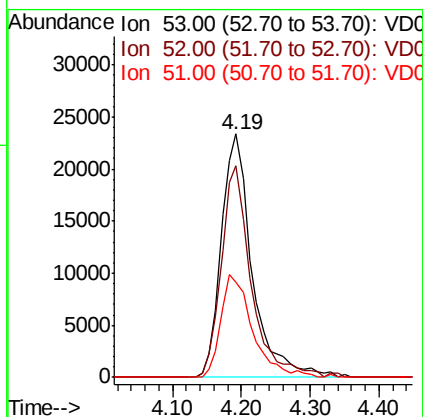
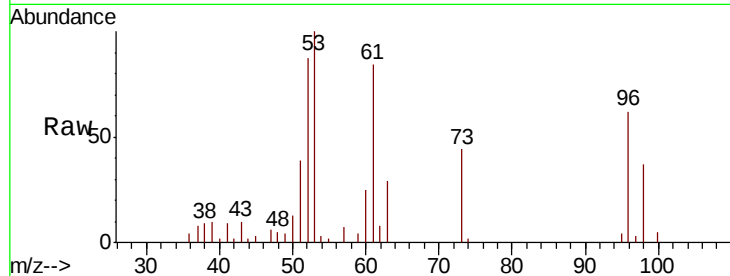




#15
 Acrylonitrile
 Concen: 84.718 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

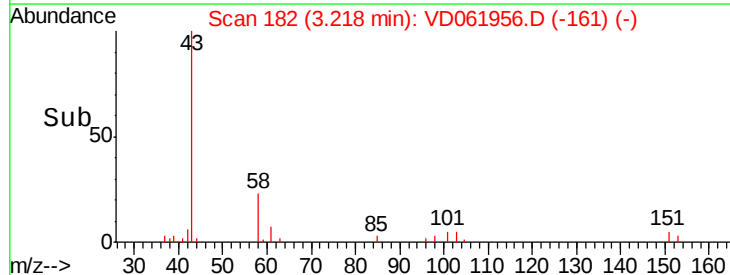
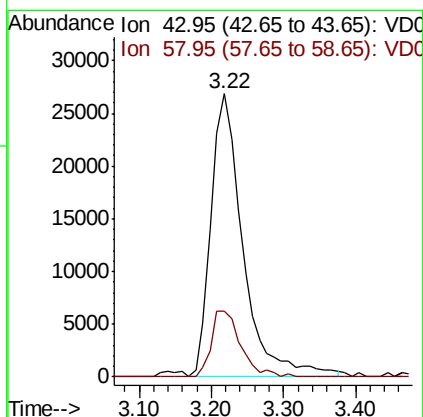
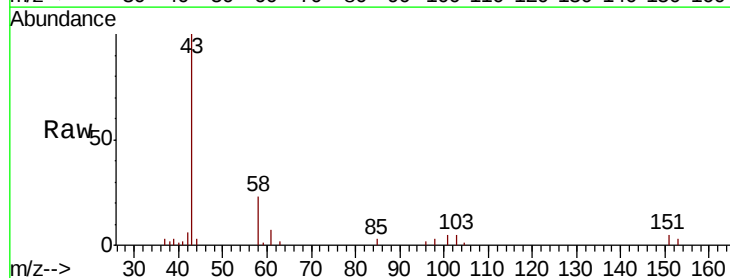
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

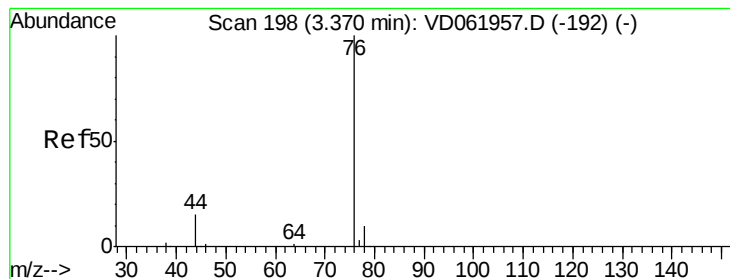
Tgt Ion: 53 Resp: 72564
 Ion Ratio Lower Upper
 53 100
 52 86.8 68.2 102.4
 51 38.9 31.9 47.9



#16
 Acetone
 Concen: 75.463 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 43 Resp: 82415
 Ion Ratio Lower Upper
 43 100
 58 23.2 17.5 26.3





#17

Carbon Disulfide

Concen: 14.509 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

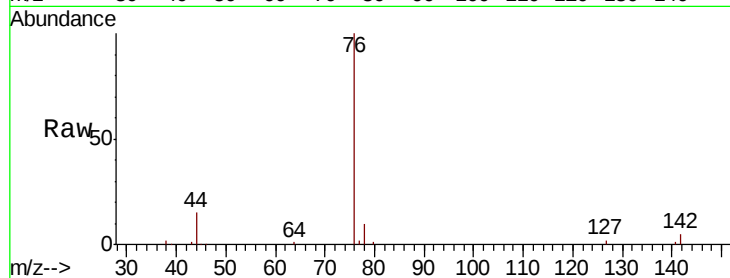
VSTDIC020

Tgt Ion: 76 Resp: 230730

Ion Ratio Lower Upper

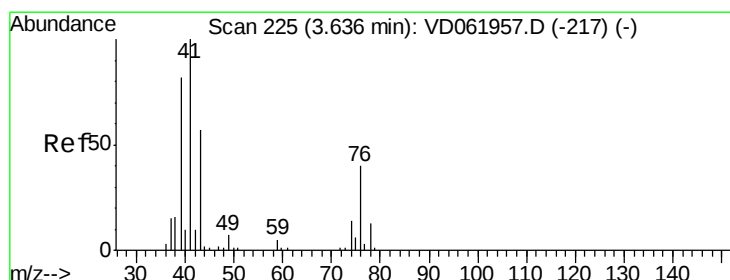
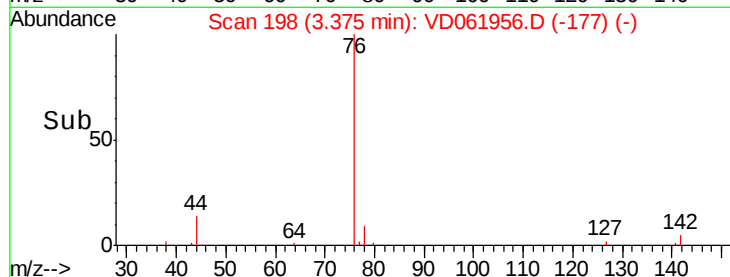
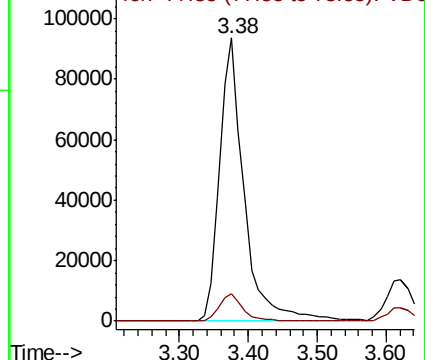
76 100

78 9.8 7.7 11.5



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.101 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061956.D

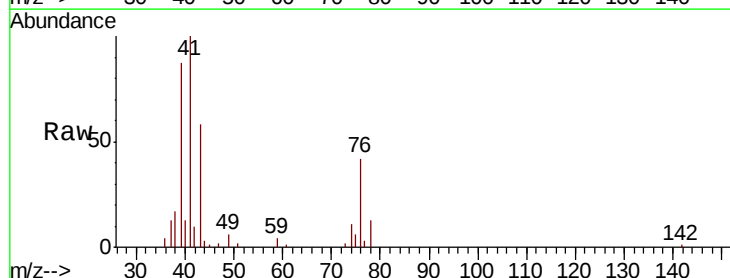
Acq: 23 Apr 2019 00:45

Tgt Ion: 43 Resp: 38672

Ion Ratio Lower Upper

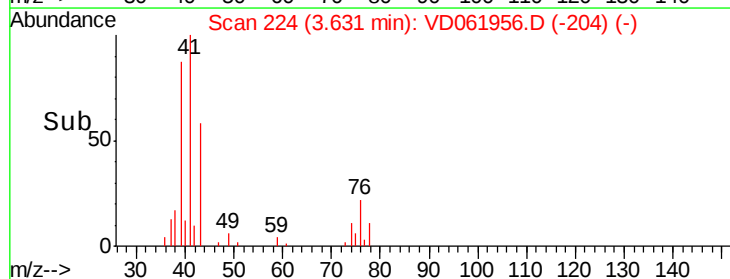
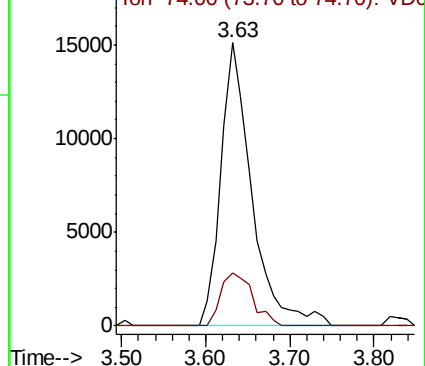
43 100

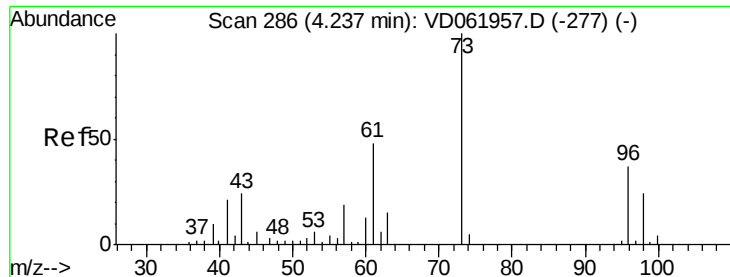
74 18.6 19.4 29.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

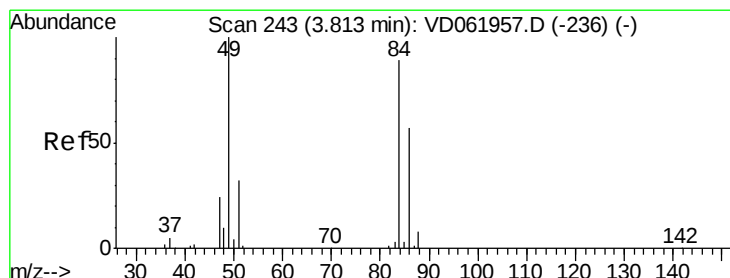
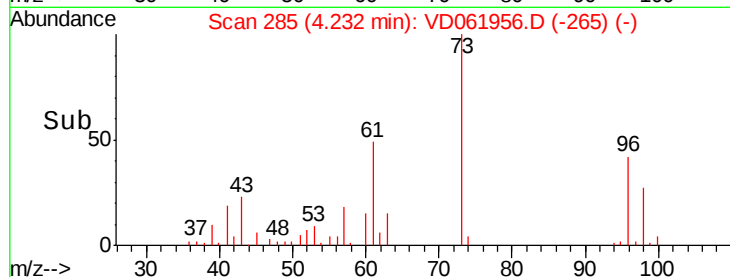
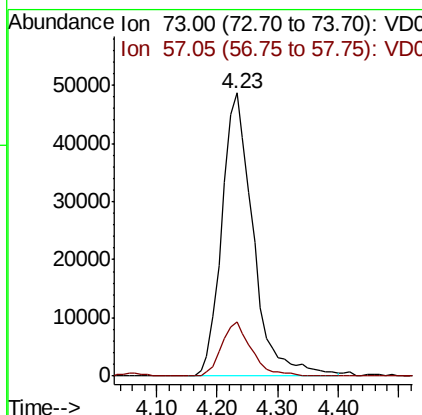
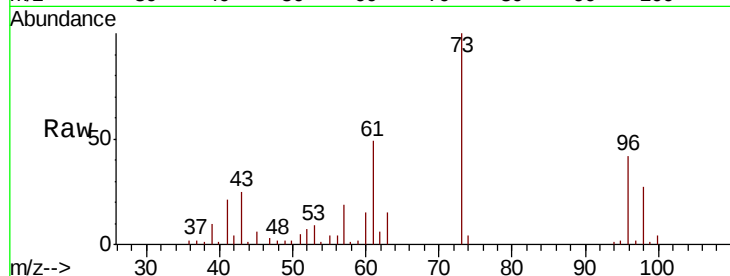




#19
Methyl tert-butyl Ether
Concen: 17.954 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

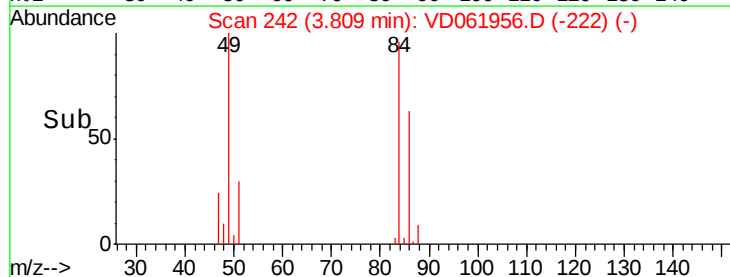
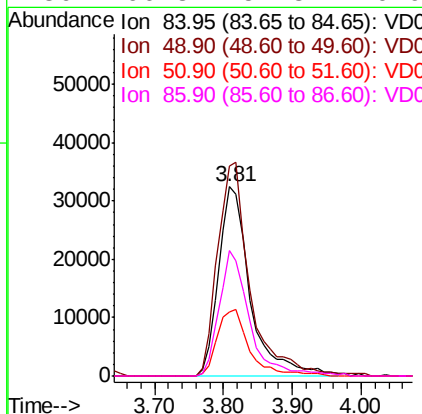
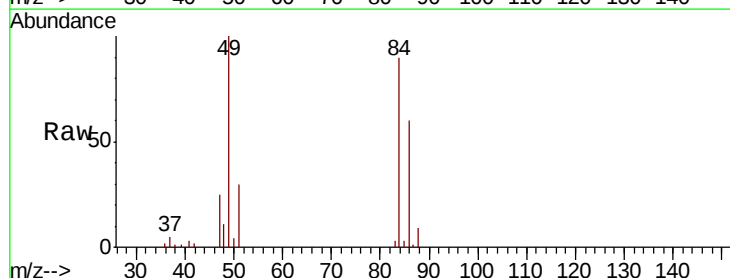
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

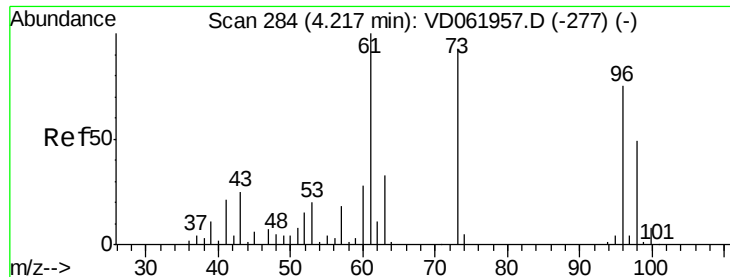
Tgt Ion: 73 Resp: 175228
Ion Ratio Lower Upper
73 100
57 19.2 14.8 22.2



#20
Methylene Chloride
Concen: 15.304 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 84 Resp: 103534
Ion Ratio Lower Upper
84 100
49 111.3 90.2 135.2
51 33.7 29.0 43.4
86 66.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 16.606 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

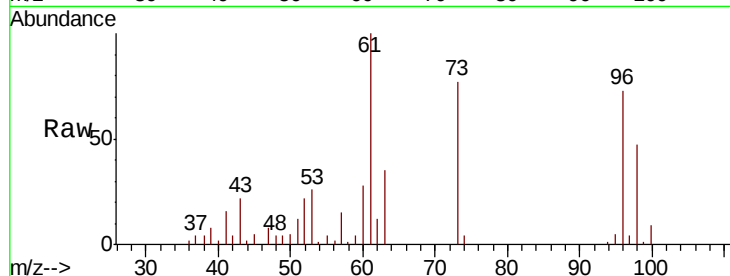
Tgt Ion: 96 Resp: 93459

Ion Ratio Lower Upper

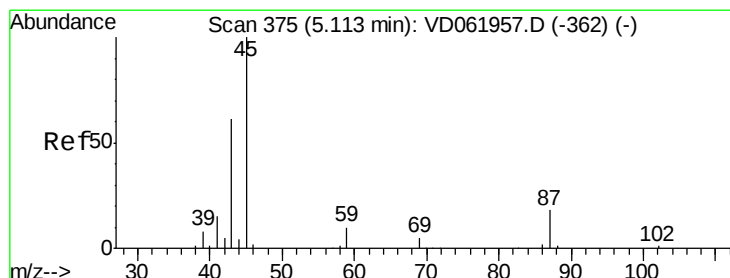
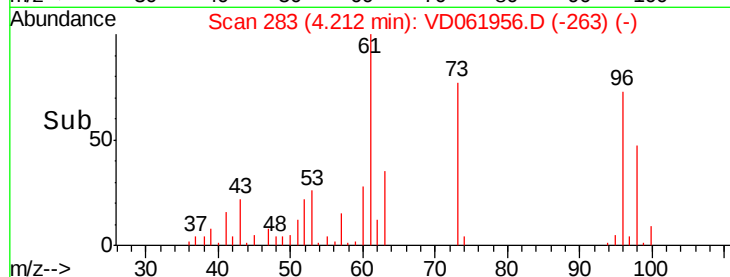
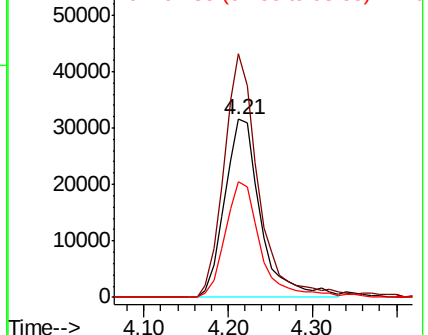
96 100

61 136.7 106.5 159.7

98 64.9 51.9 77.9



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



#22

Diisopropyl ether

Concen: 19.477 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Tgt Ion: 45 Resp: 295641

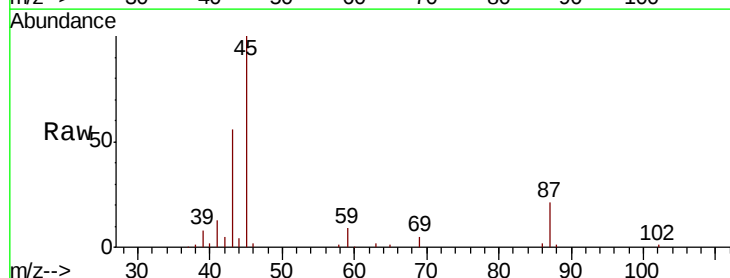
Ion Ratio Lower Upper

45 100

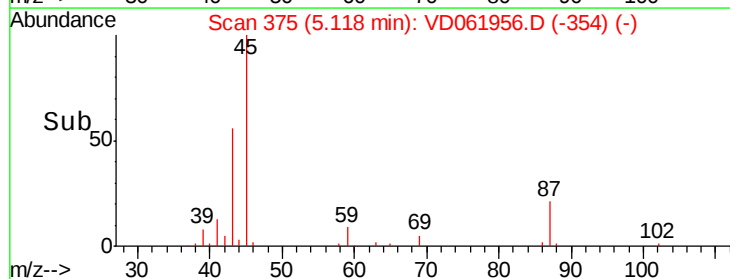
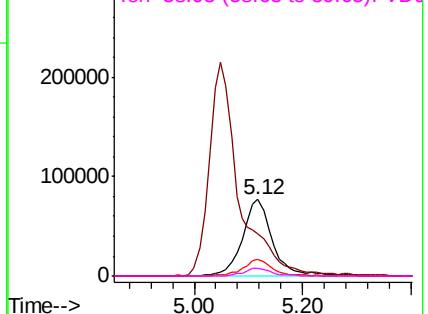
43 55.7 49.2 73.8

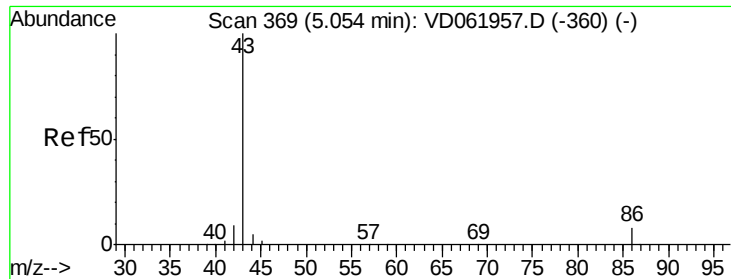
87 21.1 15.4 23.0

59 9.2 8.4 12.6



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: 100.038 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

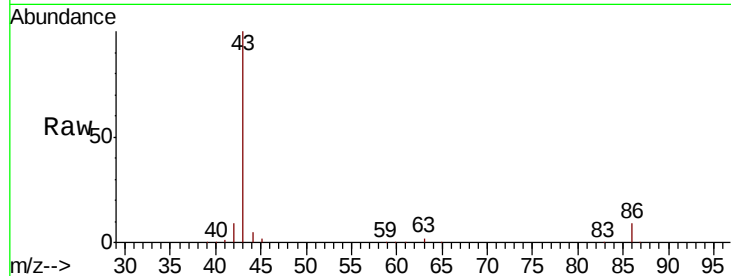
VSTDIC020

Tgt Ion: 43 Resp: 817121

Ion Ratio Lower Upper

43 100

86 9.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

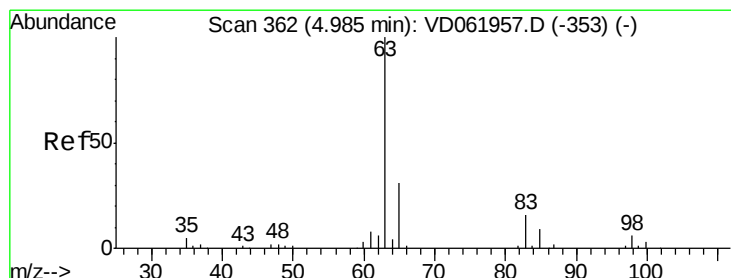
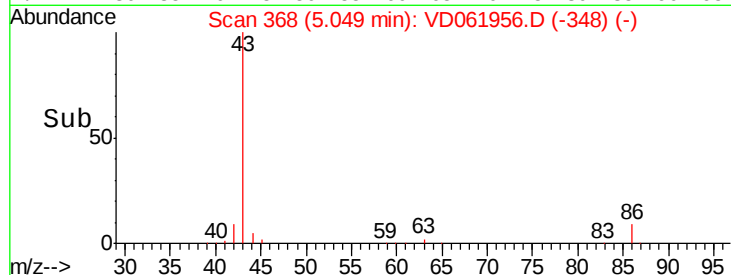
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 19.617 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

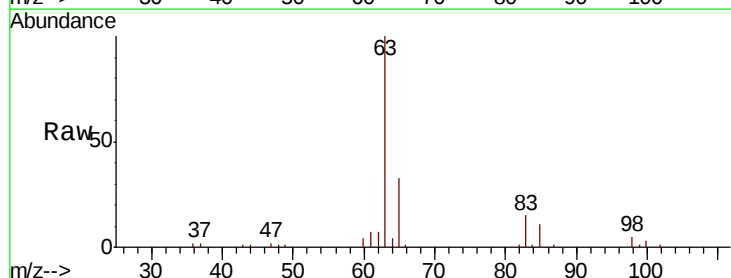
Tgt Ion: 63 Resp: 181124

Ion Ratio Lower Upper

63 100

98 4.9 3.0 9.0

100 3.5 1.7 5.0



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

60000

50000

40000

30000

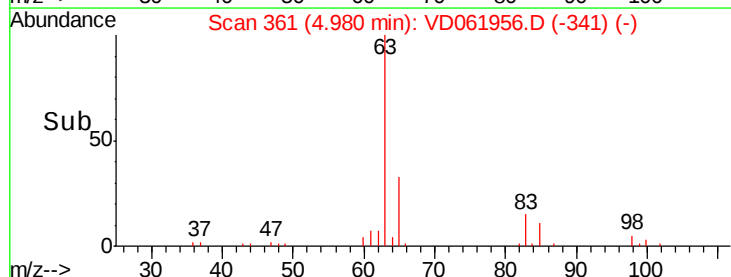
20000

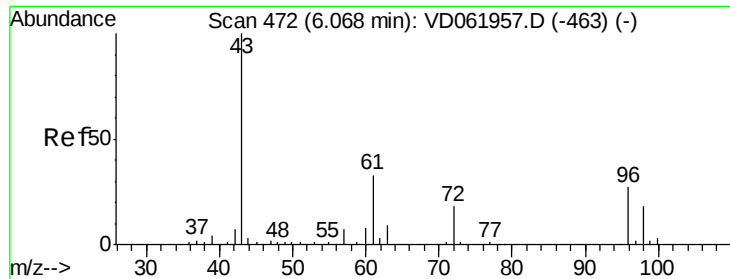
10000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 95.349 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

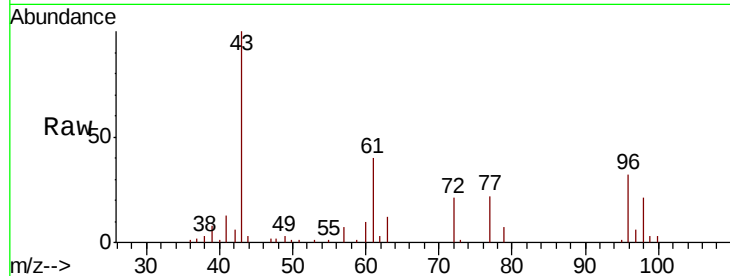
VSTDIC020

Tgt Ion: 43 Resp: 124714

Ion Ratio Lower Upper

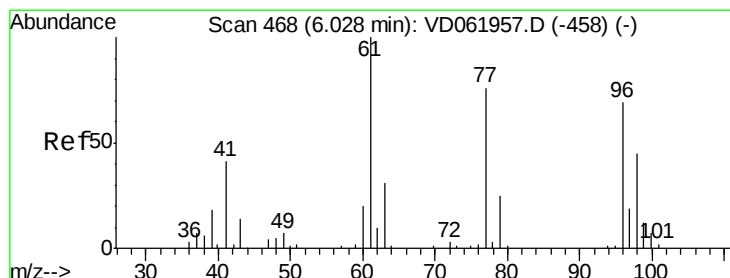
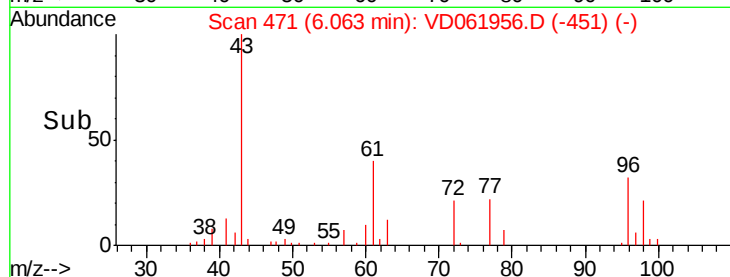
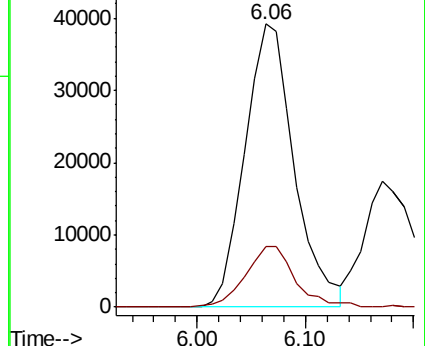
43 100

72 21.4 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.820 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061956.D

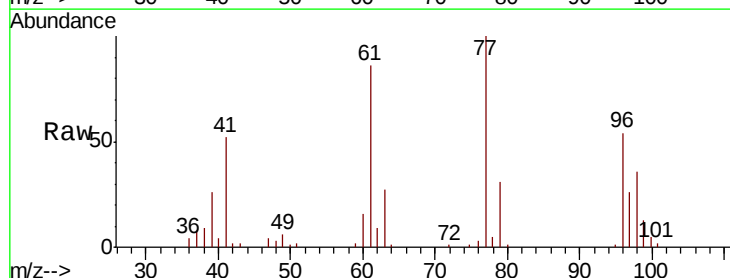
Acq: 23 Apr 2019 00:45

Tgt Ion: 77 Resp: 147015

Ion Ratio Lower Upper

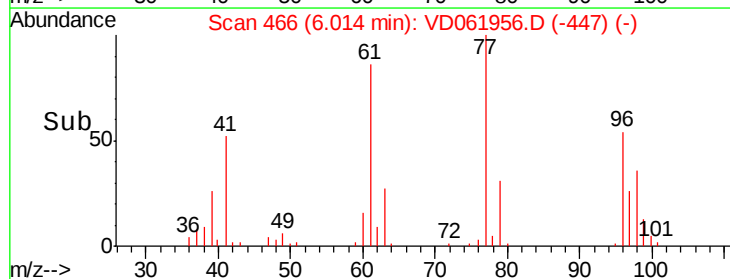
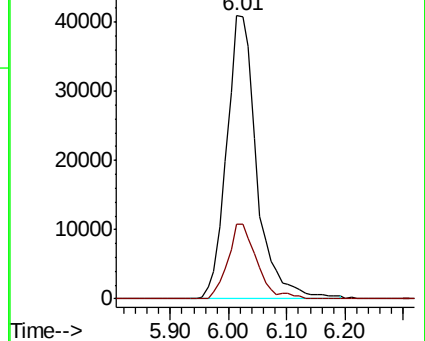
77 100

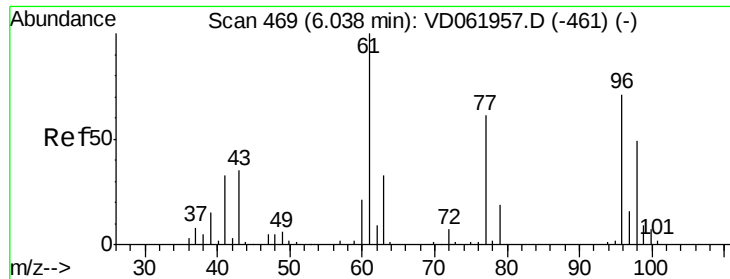
97 26.5 12.4 37.2



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



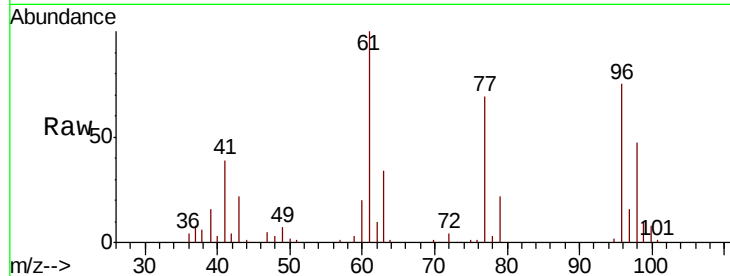


#27

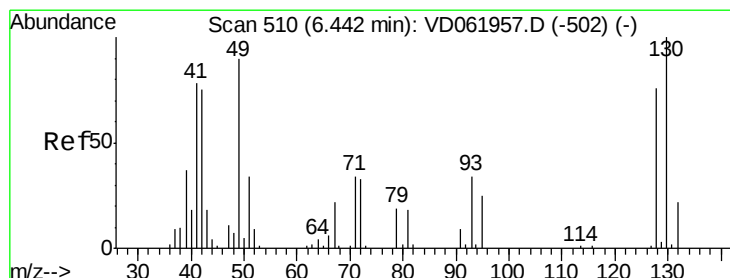
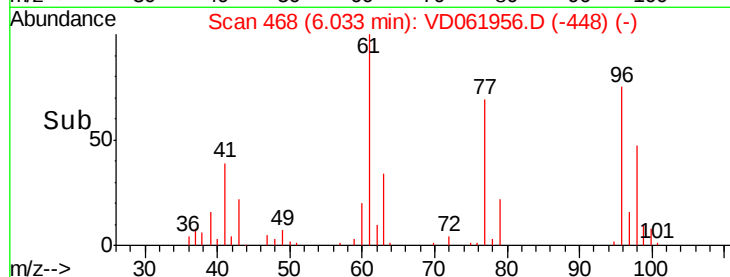
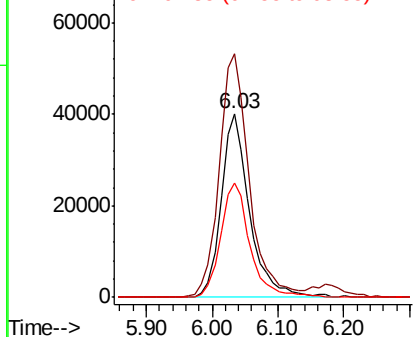
cis-1,2-Dichloroethene
 Concen: 19.526 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 119976
 Ion Ratio Lower Upper
 96 100
 61 132.7 0.0 281.6
 98 62.3 0.0 137.0



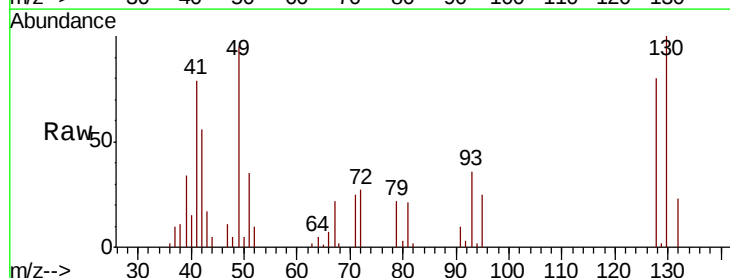
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



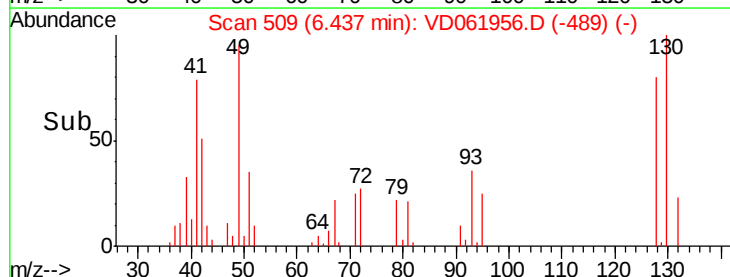
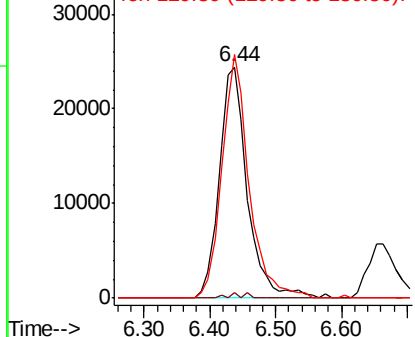
#28

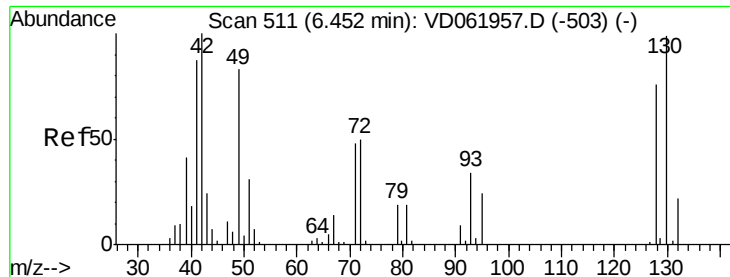
Bromochloromethane
 Concen: 20.371 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 49 Resp: 72286
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 6.4
 130 105.3 88.5 132.7



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

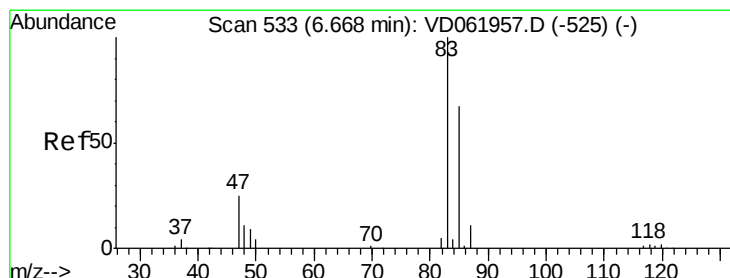
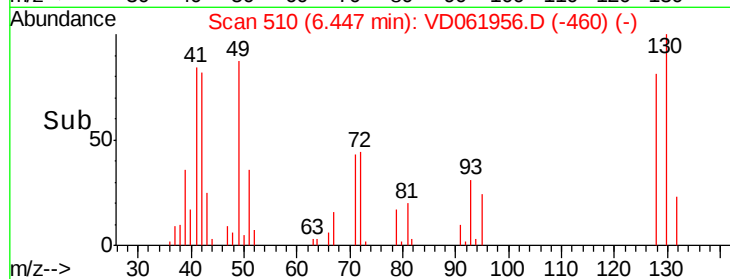
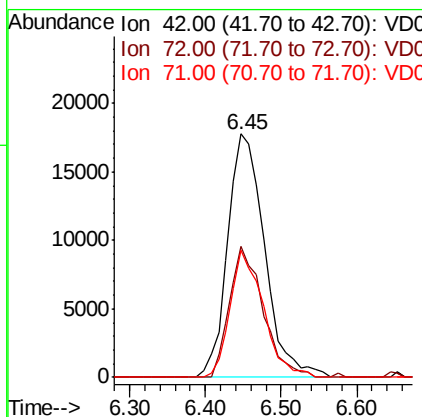
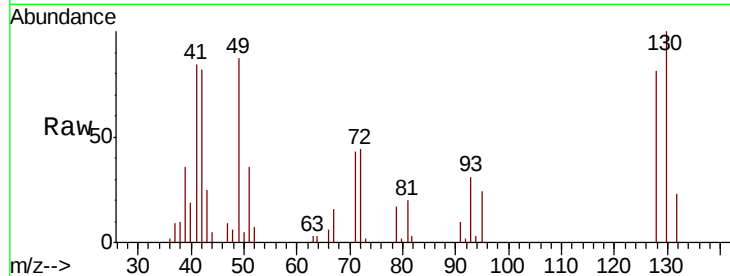




#29
Tetrahydrofuran
Concen: 92.818 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

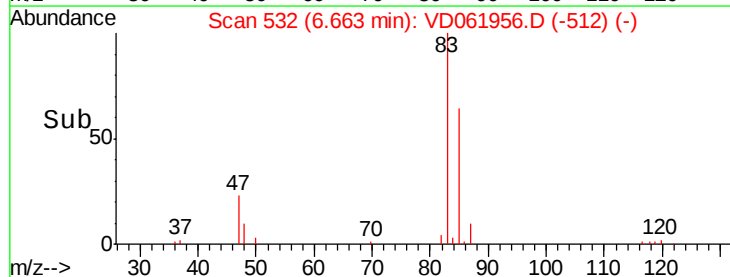
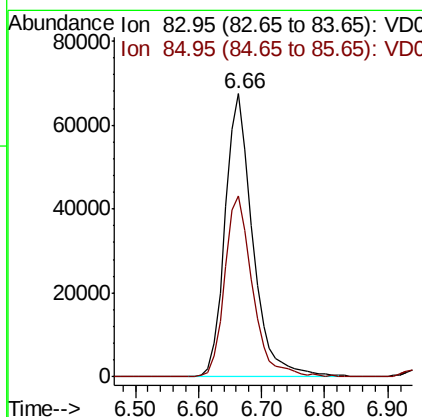
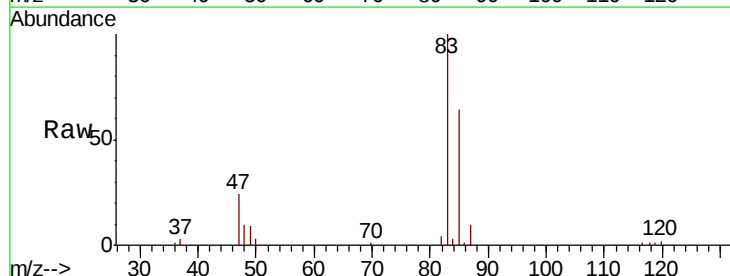
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

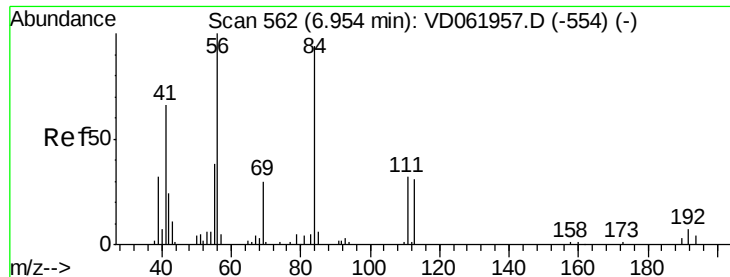
Tgt Ion: 42 Resp: 60071
Ion Ratio Lower Upper
42 100
72 48.9 37.3 55.9
71 46.7 37.4 56.0



#30
Chloroform
Concen: 19.813 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 83 Resp: 204452
Ion Ratio Lower Upper
83 100
85 64.1 53.6 80.4

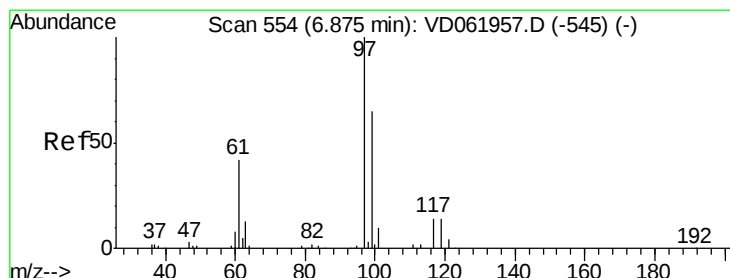
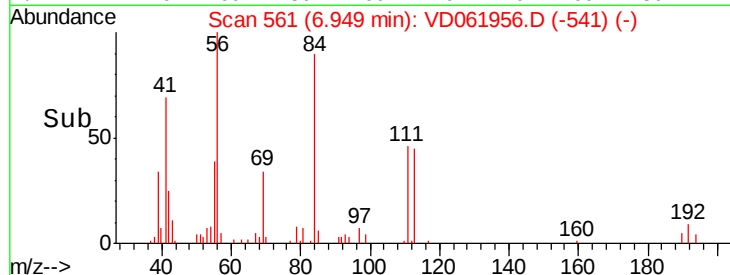
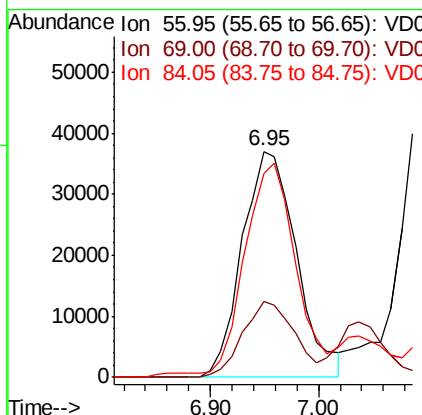
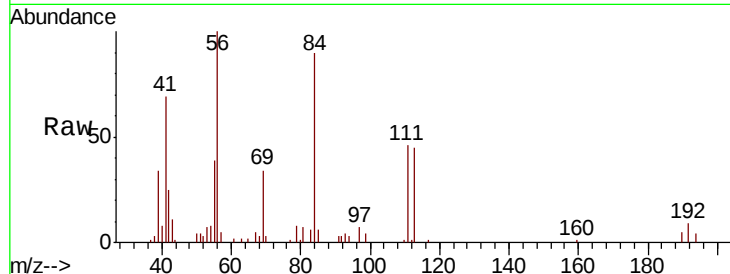




#31
Cyclohexane
Concen: 18.875 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

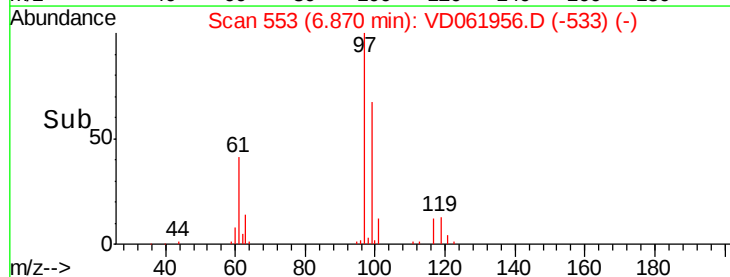
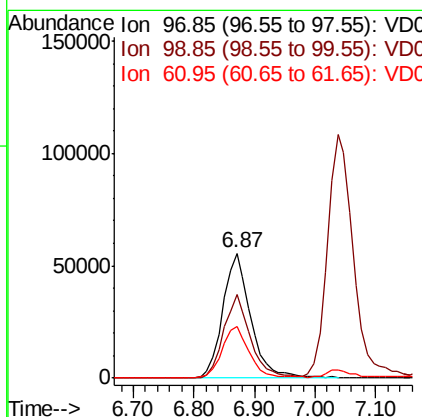
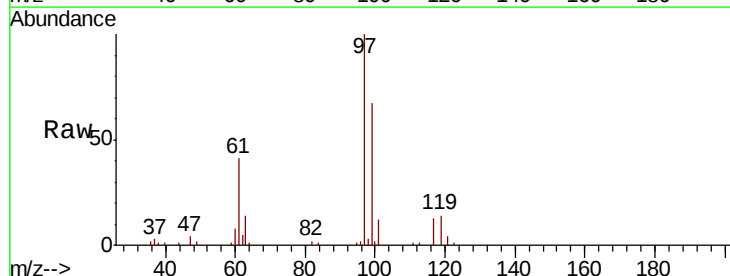
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

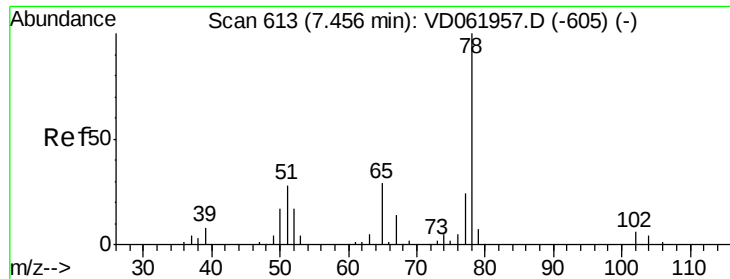
Tgt Ion: 56 Resp: 128857
Ion Ratio Lower Upper
56 100
69 33.7 24.0 36.0
84 90.1 75.3 112.9



#32
1,1,1-Trichloroethane
Concen: 19.552 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 97 Resp: 176818
Ion Ratio Lower Upper
97 100
99 66.8 51.6 77.4
61 41.5 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 19.552 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

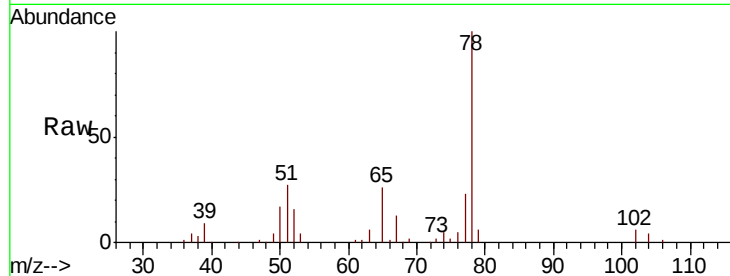
VSTDIC020

Tgt Ion: 65 Resp: 95136

Ion Ratio Lower Upper

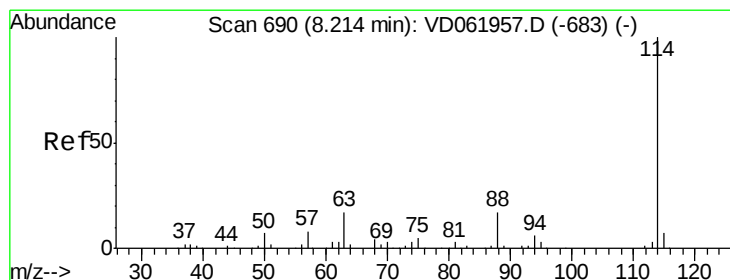
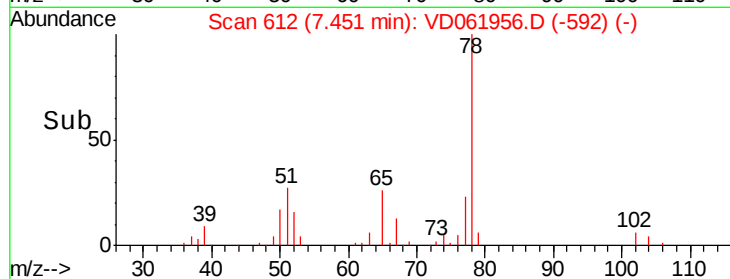
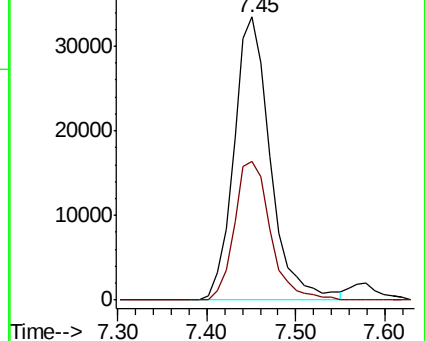
65 100

67 49.1 0.0 95.6



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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

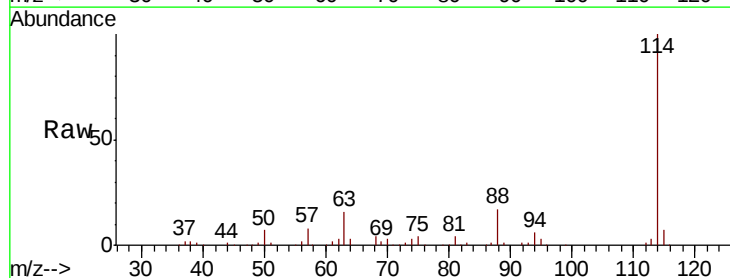
Tgt Ion: 114 Resp: 854284

Ion Ratio Lower Upper

114 100

63 15.7 0.0 33.4

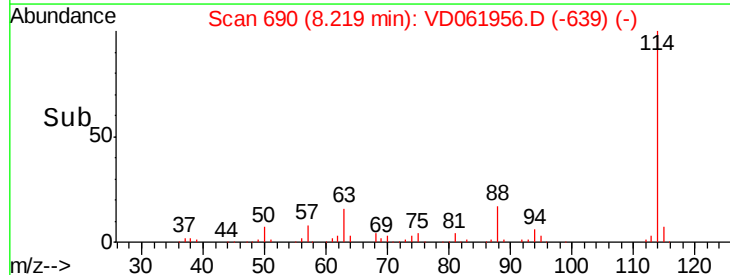
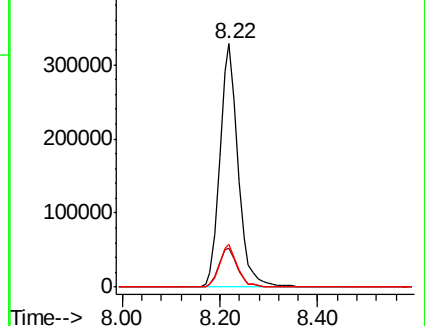
88 17.5 0.0 33.2

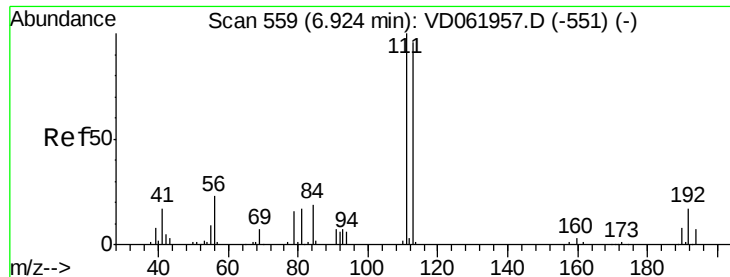


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

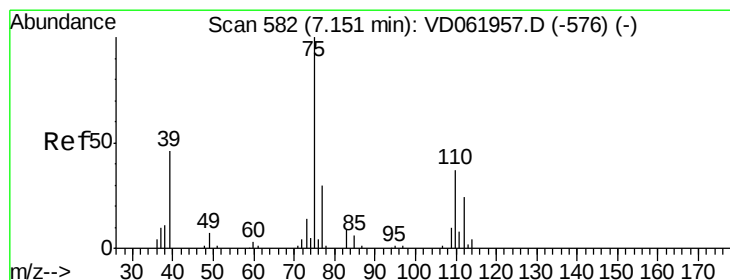
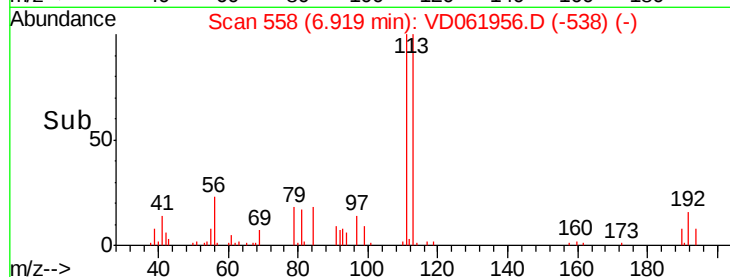
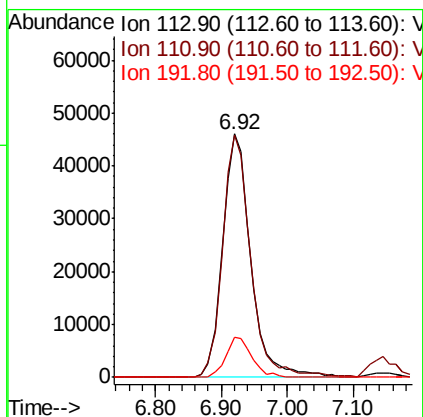
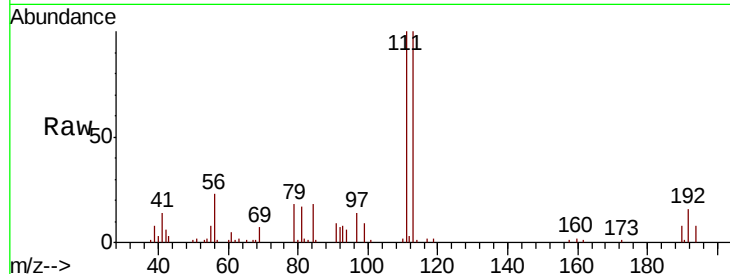




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

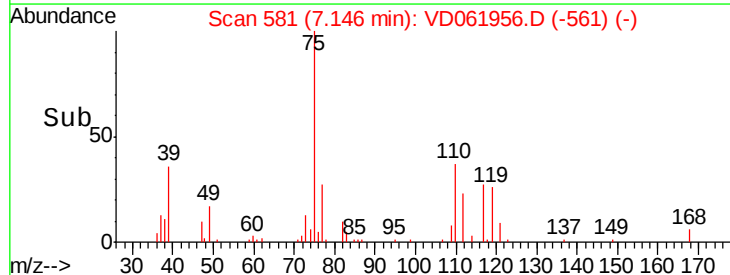
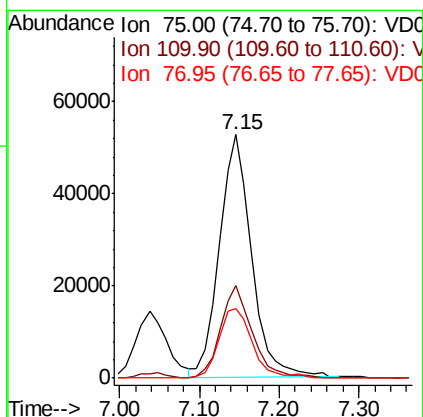
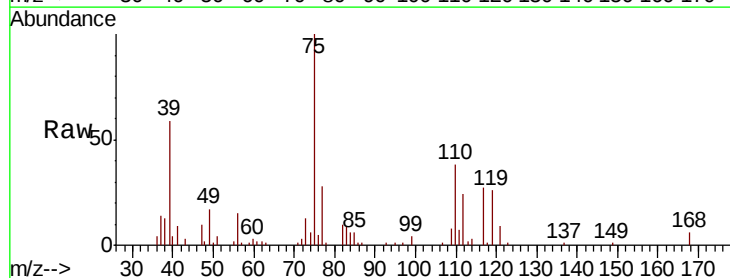
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

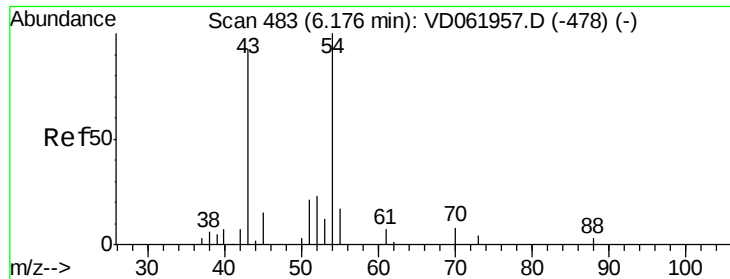
Tgt Ion: 113 Resp: 137440
 Ion Ratio Lower Upper
 113 100
 111 99.6 83.1 124.7
 192 16.3 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 21.030 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 75 Resp: 148239
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.1 54.4
 77 28.4 24.0 36.0

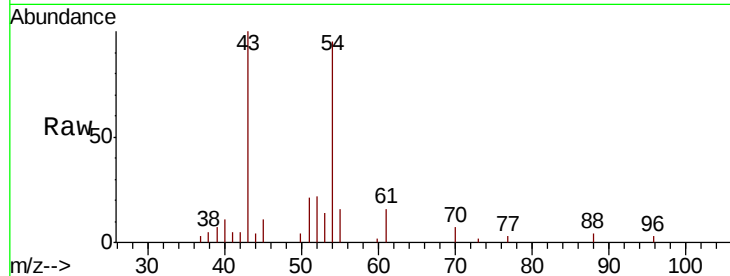




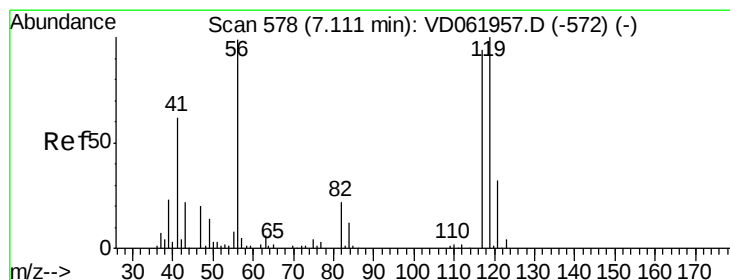
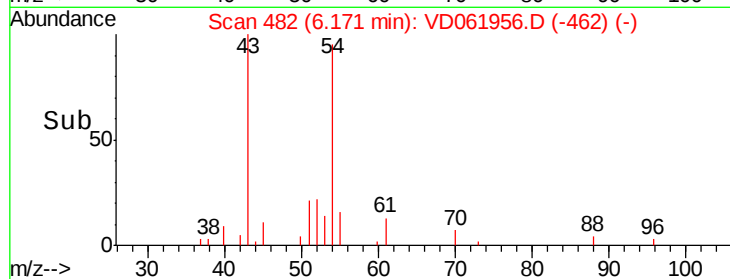
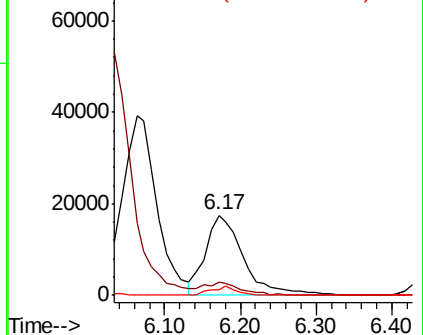
#37
Ethyl Acetate
Concen: 20.075 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 61169
Ion Ratio Lower Upper
43 100
61 15.9 11.9 17.9
70 7.4 6.2 9.2

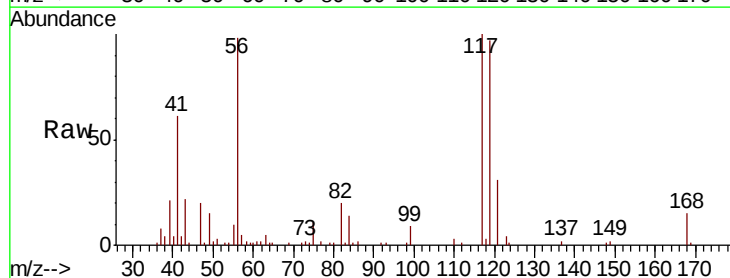


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

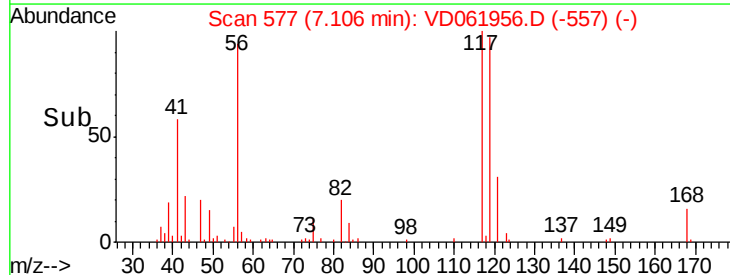
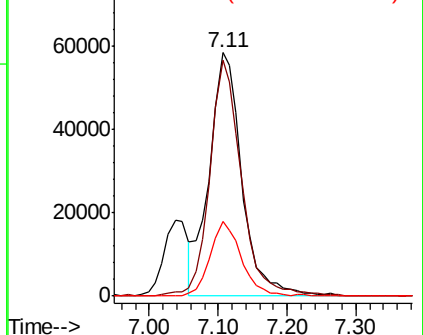


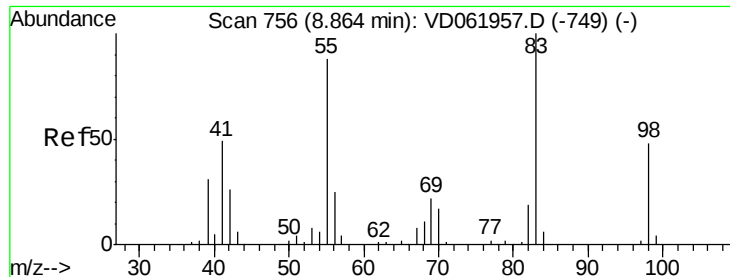
#38
Carbon Tetrachloride
Concen: 21.599 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 117 Resp: 192286
Ion Ratio Lower Upper
117 100
119 96.8 76.8 115.2
121 30.8 24.1 36.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

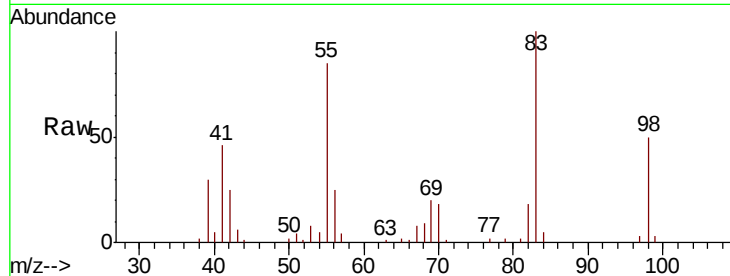




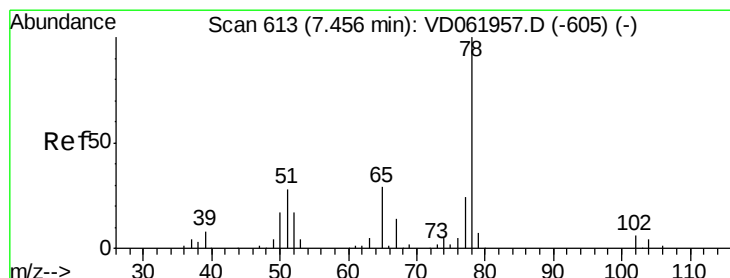
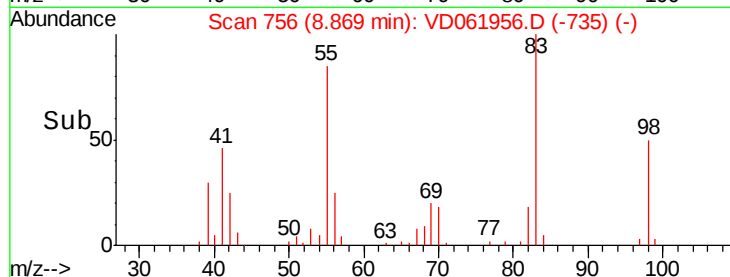
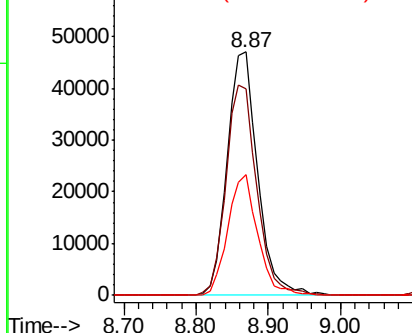
#39
Methylcyclohexane
Concen: 19.150 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 138305
Ion Ratio Lower Upper
83 100
55 84.8 70.6 106.0
98 49.7 38.5 57.7

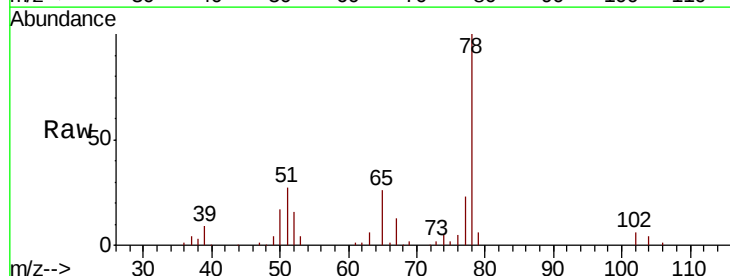


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

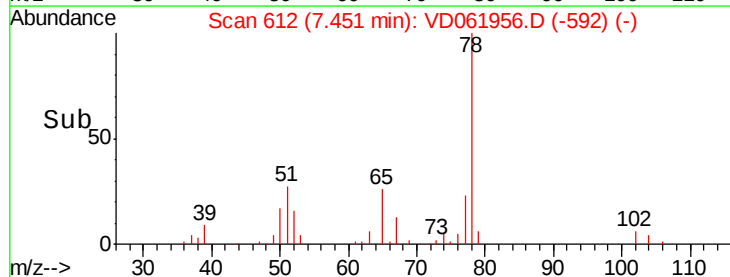
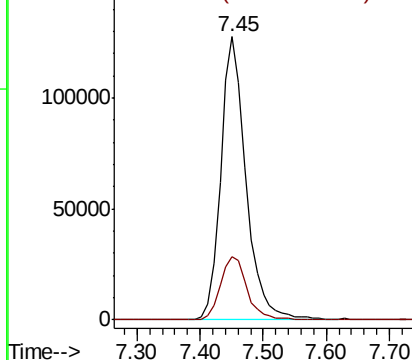


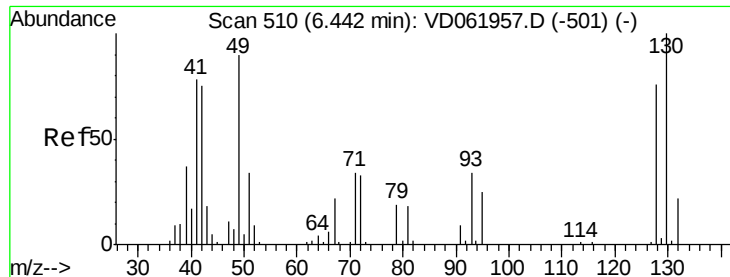
#40
Benzene
Concen: 20.892 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 78 Resp: 354306
Ion Ratio Lower Upper
78 100
77 22.6 18.8 28.2



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





#41

Methacrylonitrile

Concen: 20.624 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 75083

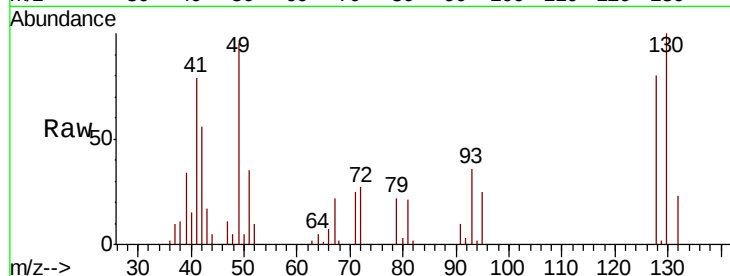
Ion Ratio Lower Upper

41 100

39 43.4 38.4 57.6

67 27.3 22.8 34.2

52 12.2 8.7 13.1

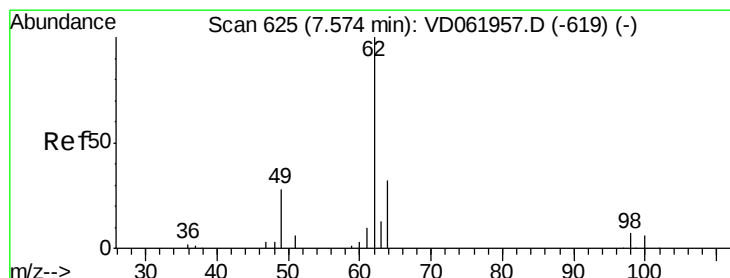
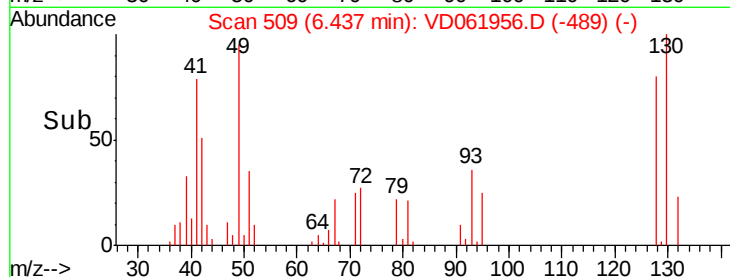
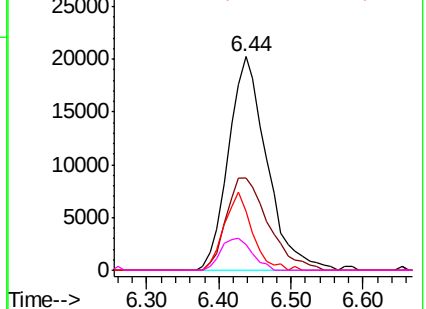


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.398 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD061956.D

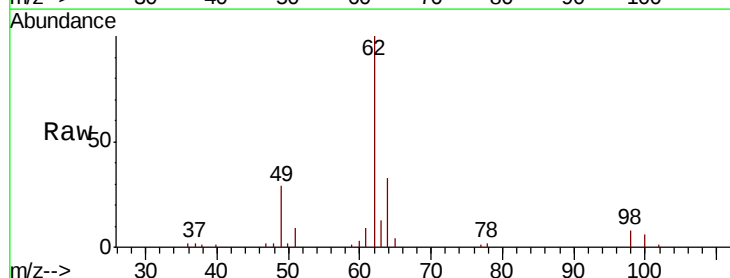
Acq: 23 Apr 2019 00:45

Tgt Ion: 62 Resp: 127946

Ion Ratio Lower Upper

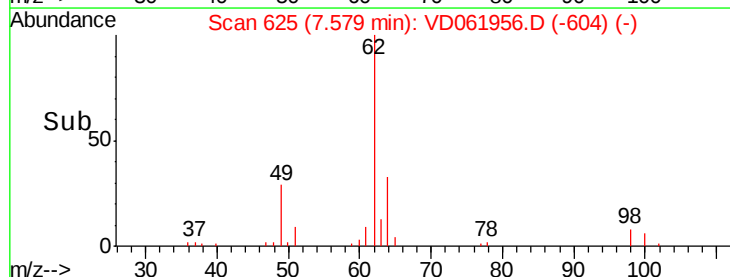
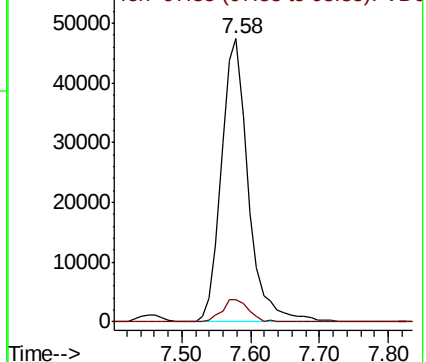
62 100

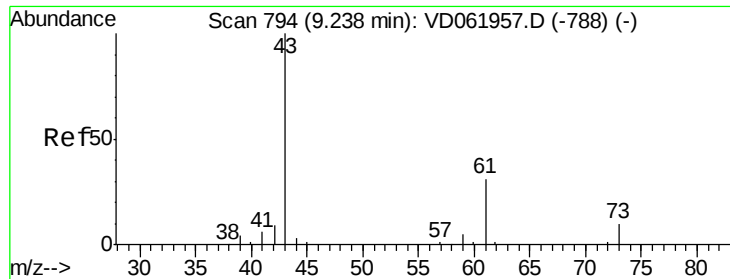
98 8.0 0.0 14.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



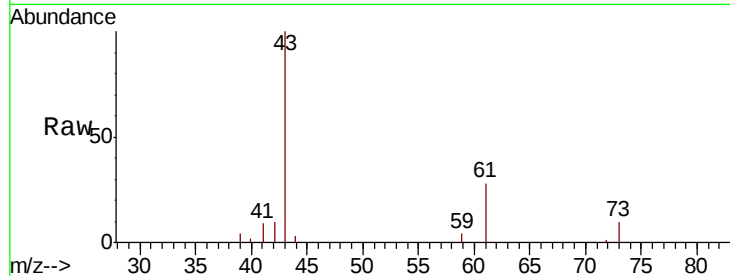


#43

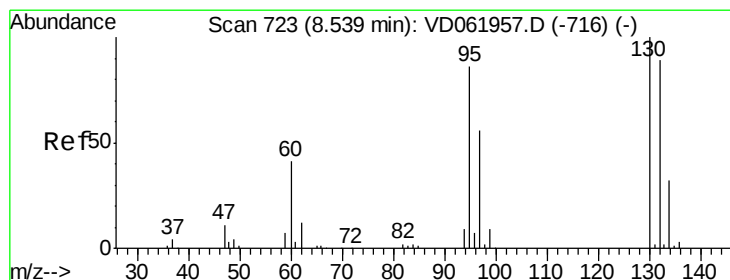
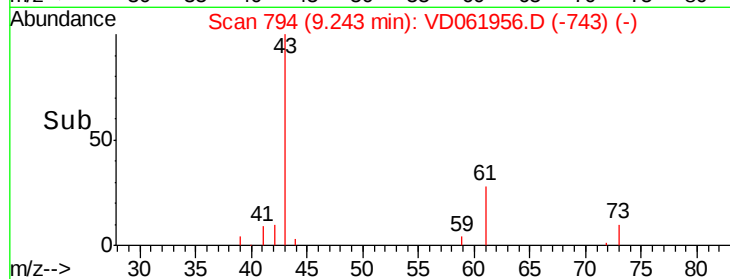
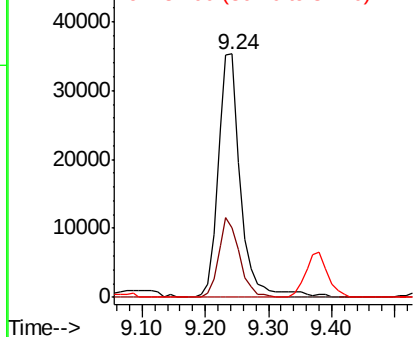
Isopropyl Acetate
 Concen: 20.671 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 87930
 Ion Ratio Lower Upper
 43 100
 61 28.4 24.6 36.8
 87 0.0 0.0 0.0



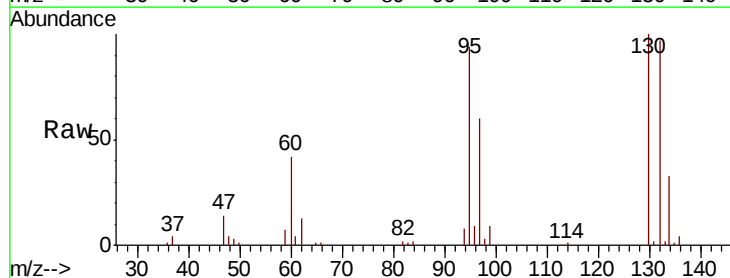
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



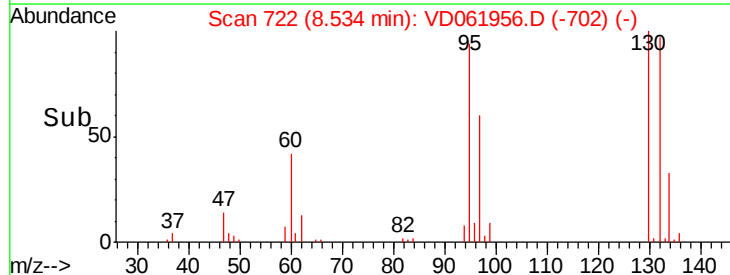
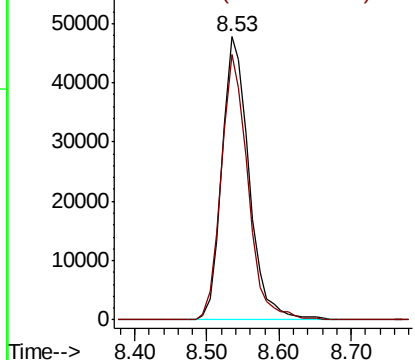
#44

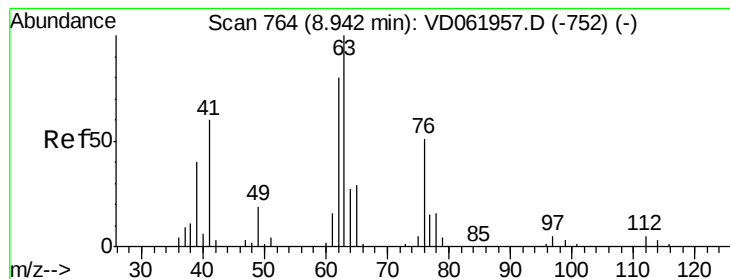
Trichloroethene
 Concen: 18.940 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 130 Resp: 124069
 Ion Ratio Lower Upper
 130 100
 95 93.9 0.0 172.2



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





#45

1,2-Dichloropropane

Concen: 20.117 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

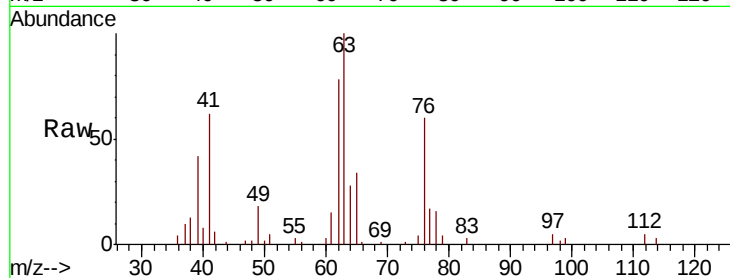
VSTDIC020

Tgt Ion: 63 Resp: 89012

Ion Ratio Lower Upper

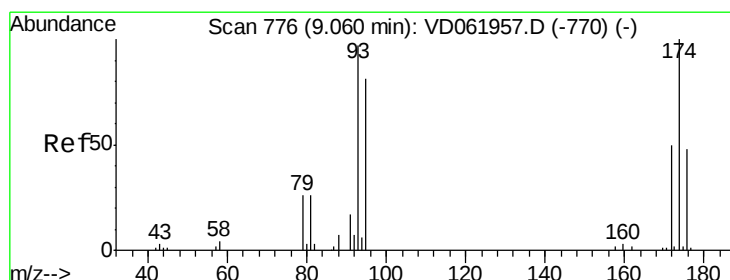
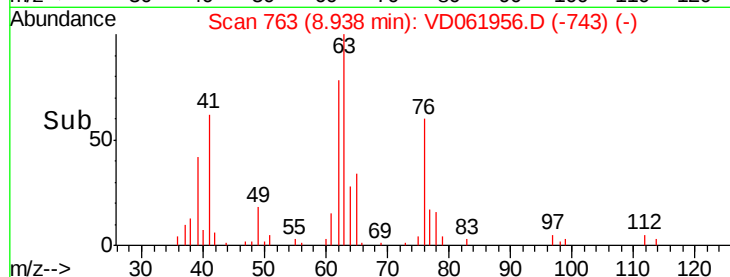
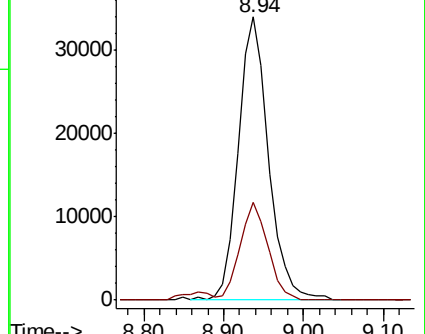
63 100

65 34.4 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.469 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

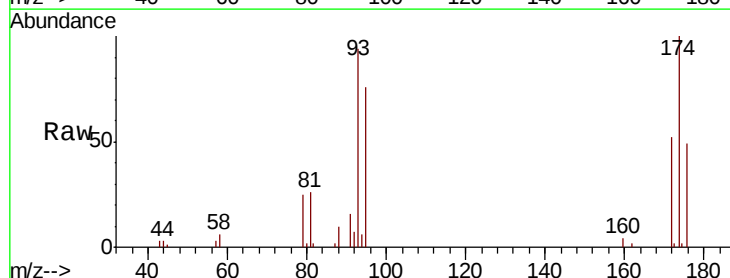
Tgt Ion: 93 Resp: 64963

Ion Ratio Lower Upper

93 100

95 81.2 66.8 100.2

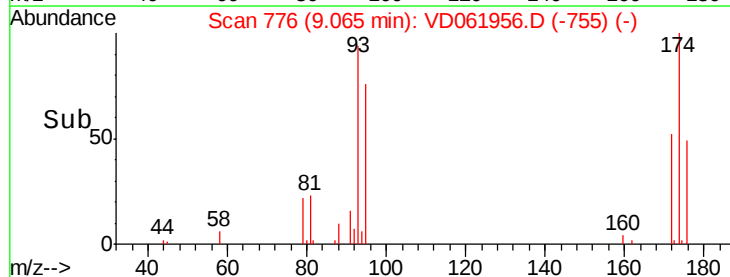
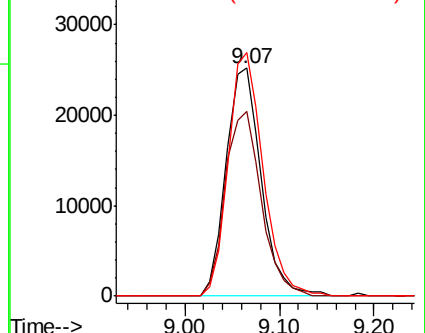
174 106.7 82.8 124.2

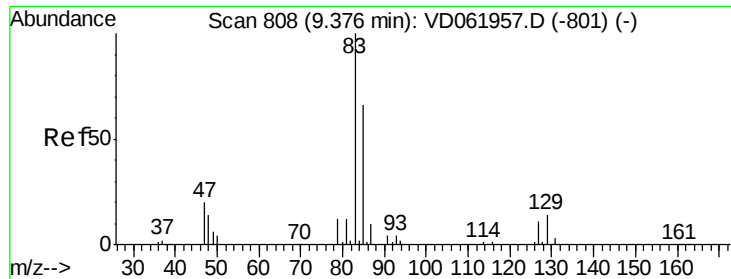


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.912 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

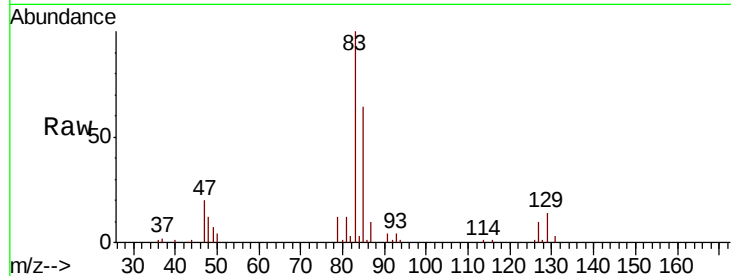
Tgt Ion: 83 Resp: 158265

Ion Ratio Lower Upper

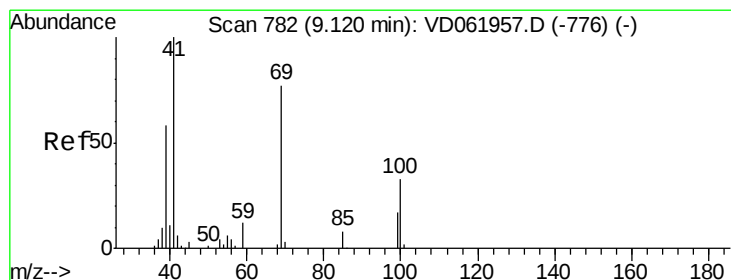
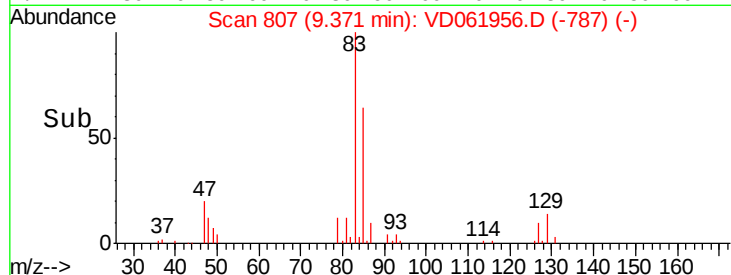
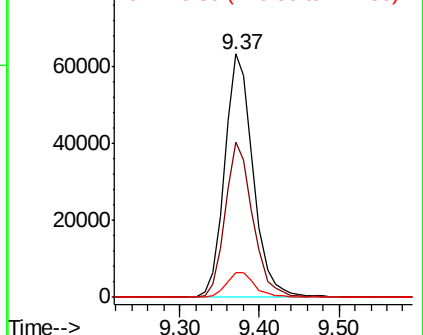
83 100

85 63.8 52.6 78.8

127 10.3 8.8 13.2



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



#48

Methyl methacrylate

Concen: 20.534 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

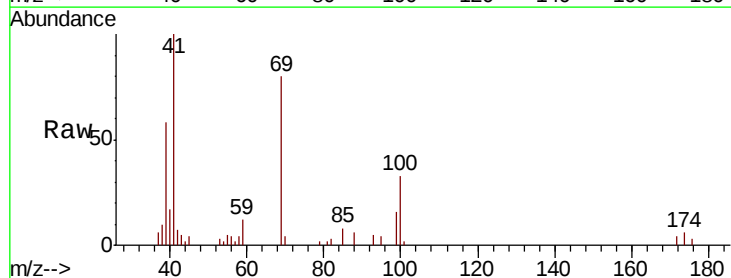
Tgt Ion: 41 Resp: 50935

Ion Ratio Lower Upper

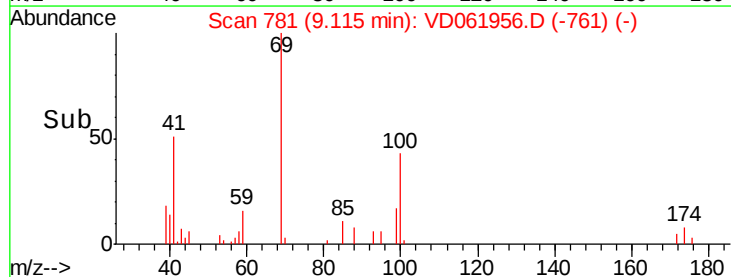
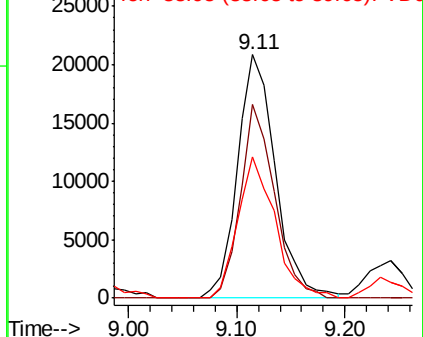
41 100

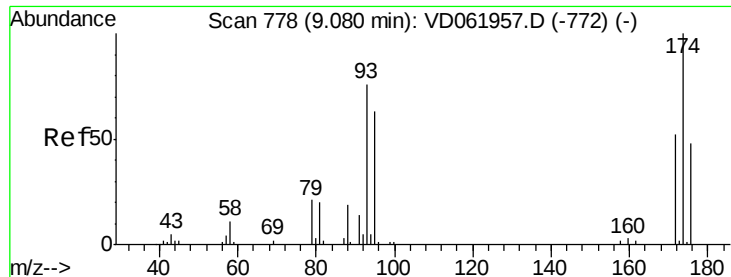
69 79.7 61.4 92.0

39 58.2 46.9 70.3



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: 411.606 ug/l

RT: 9.08 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

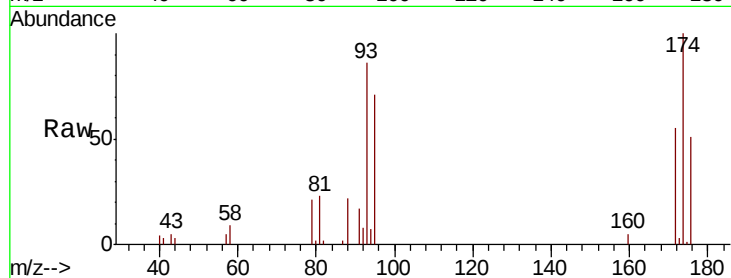
Tgt Ion: 88 Resp: 11157

Ion Ratio Lower Upper

88 100

43 22.5 21.1 31.7

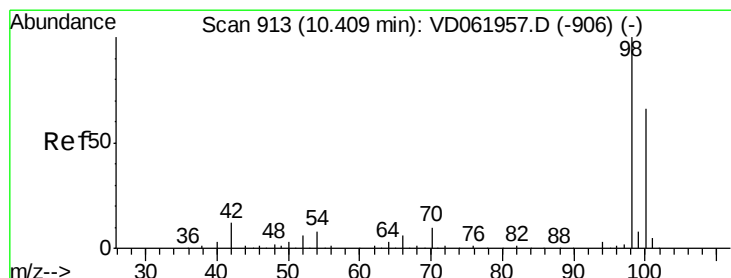
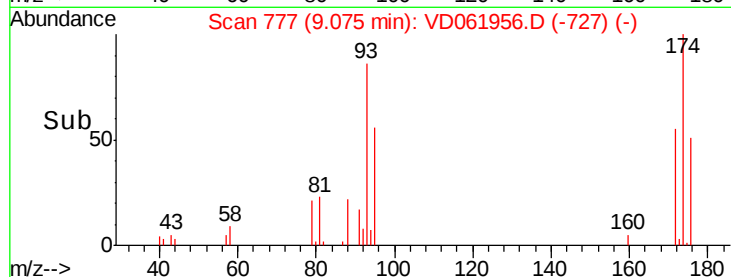
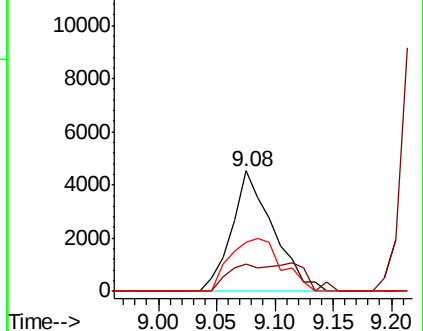
58 40.5 44.1 66.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 411.606 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061956.D

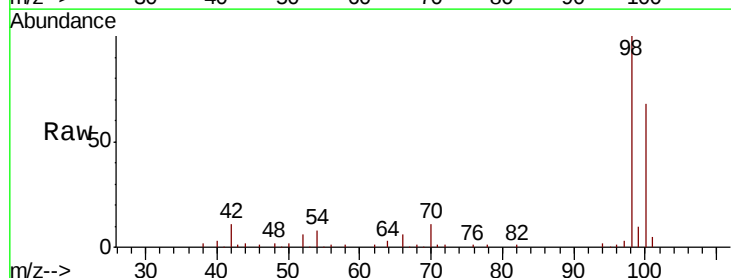
Acq: 23 Apr 2019 00:45

Tgt Ion: 98 Resp: 298628

Ion Ratio Lower Upper

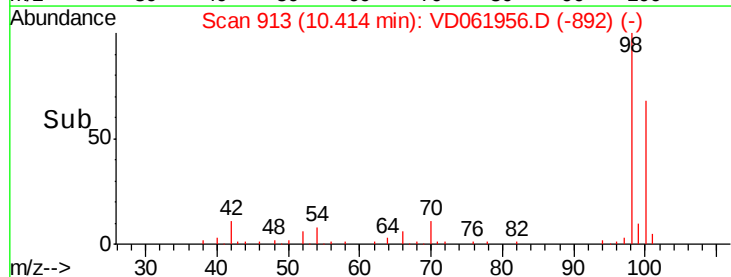
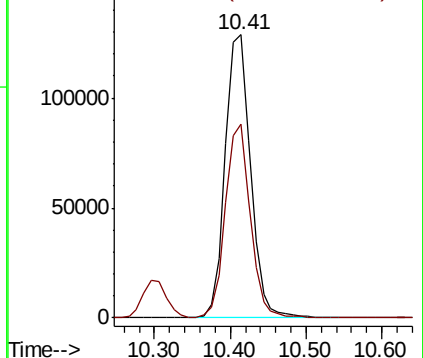
98 100

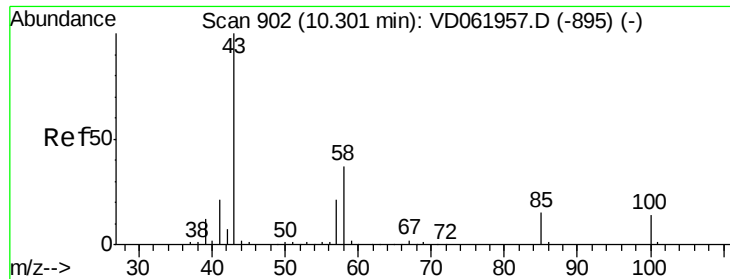
100 68.3 54.0 81.0



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: 110.656 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

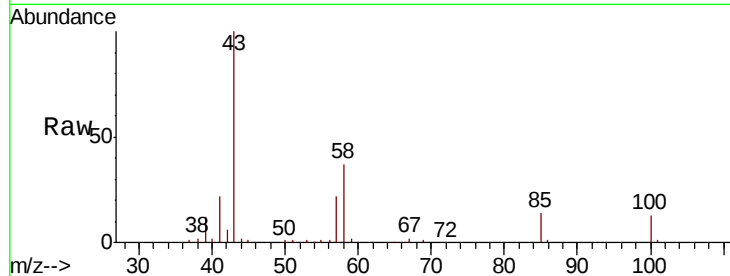
VSTDIC020

Tgt Ion: 43 Resp: 293560

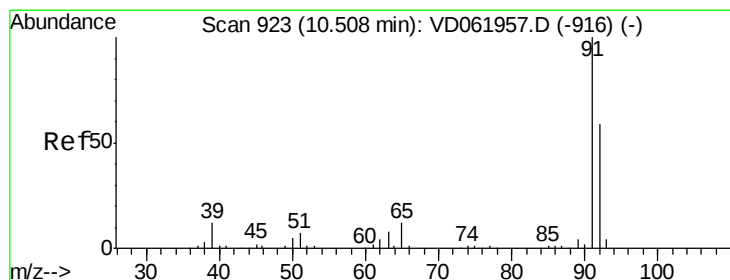
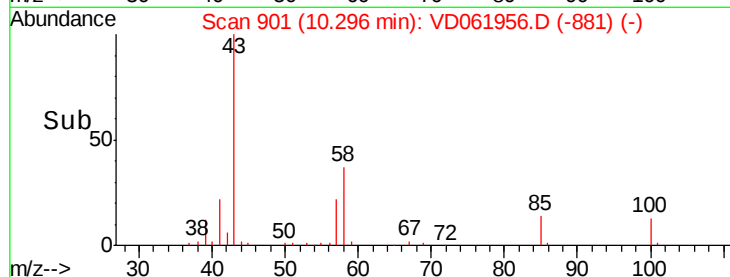
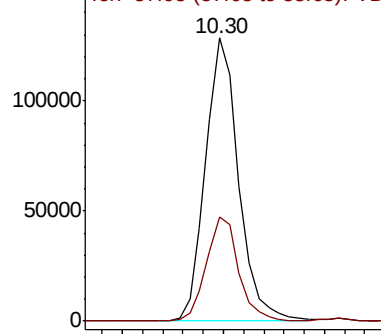
Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9



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



#52

Toluene

Concen: 21.284 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061956.D

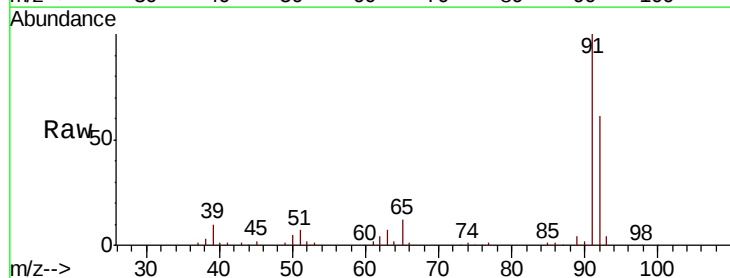
Acq: 23 Apr 2019 00:45

Tgt Ion: 92 Resp: 232590

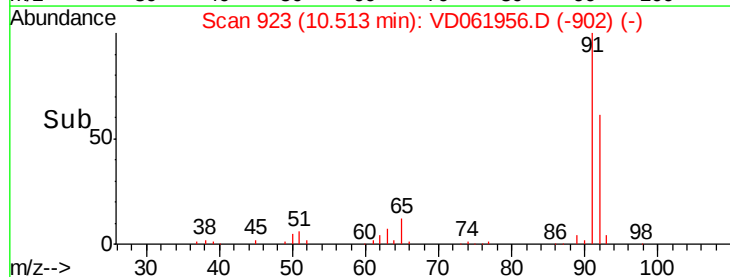
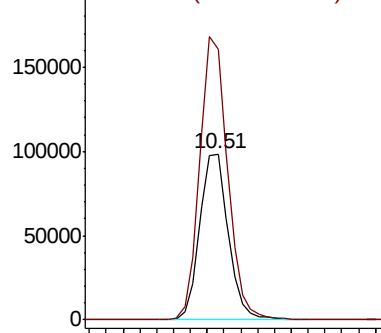
Ion Ratio Lower Upper

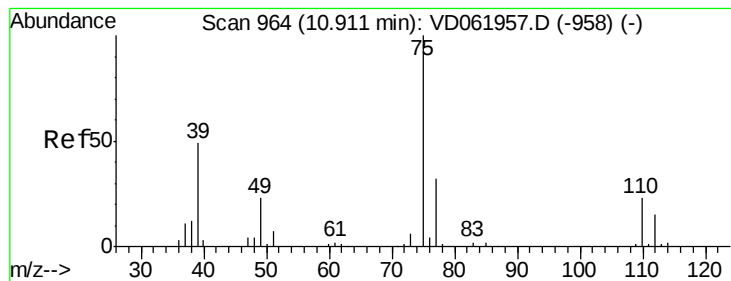
92 100

91 163.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.982 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

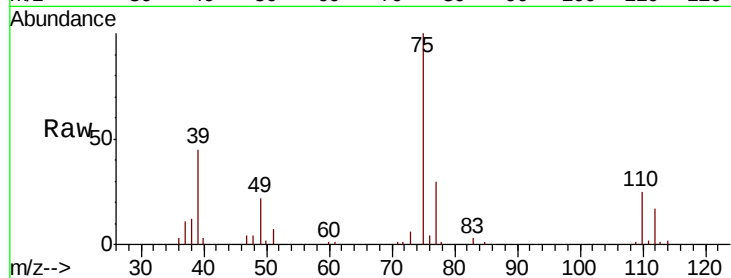
VSTDIC020

Tgt Ion: 75 Resp: 129856

Ion Ratio Lower Upper

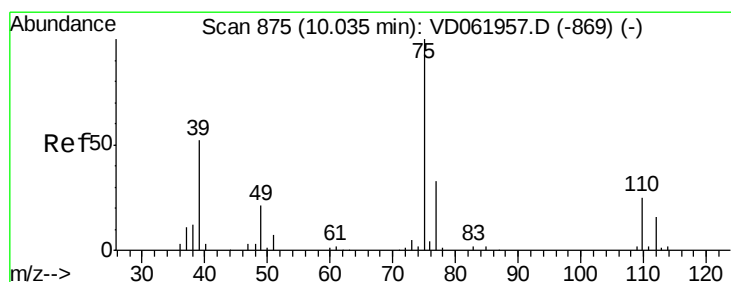
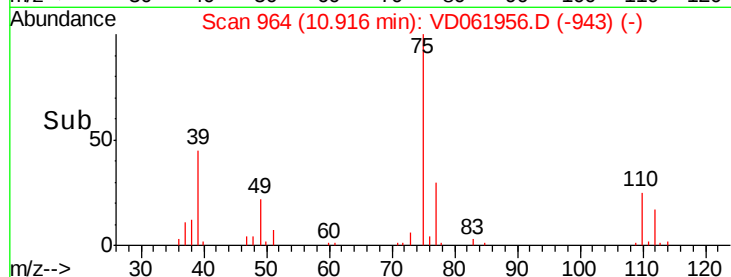
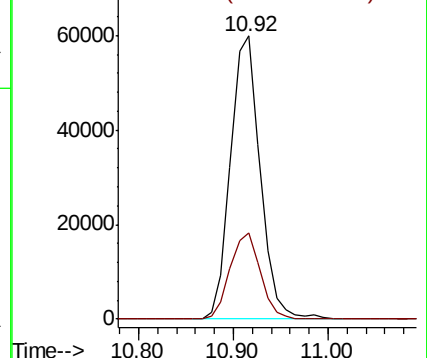
75 100

77 30.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.498 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

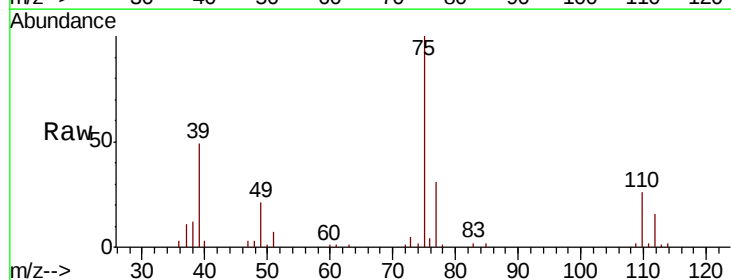
Tgt Ion: 75 Resp: 164446

Ion Ratio Lower Upper

75 100

77 31.5 26.5 39.7

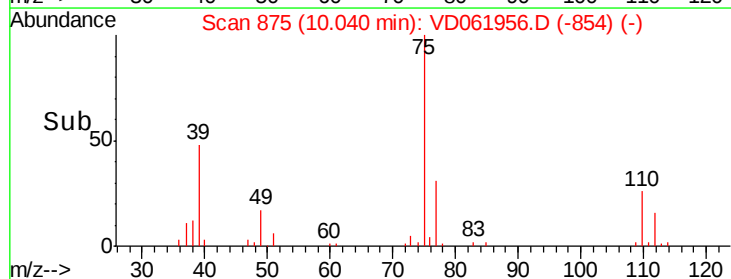
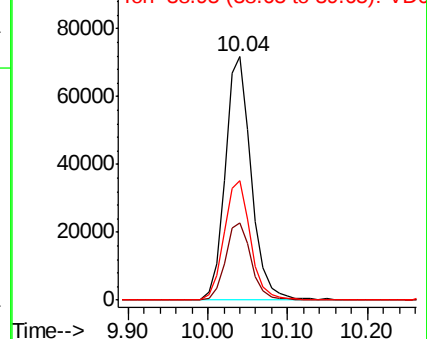
39 49.0 41.8 62.8

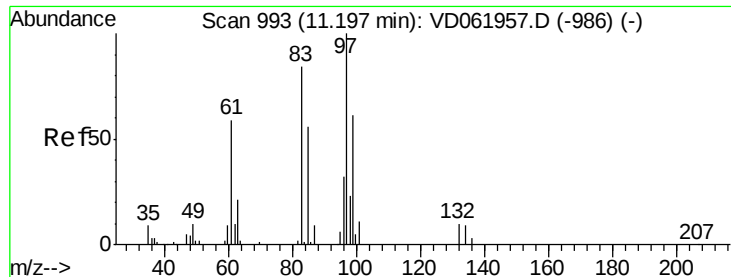


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

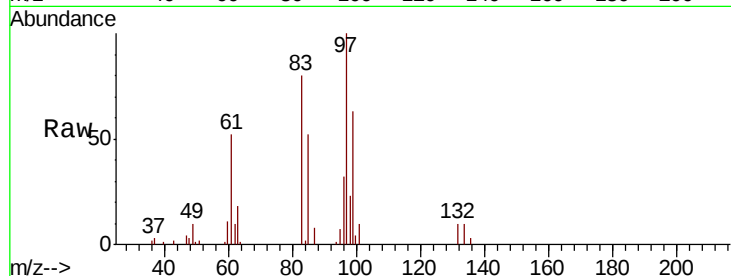




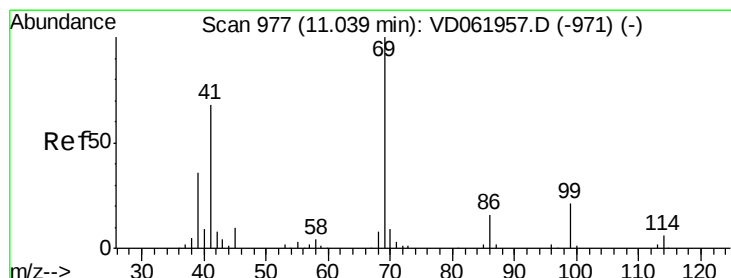
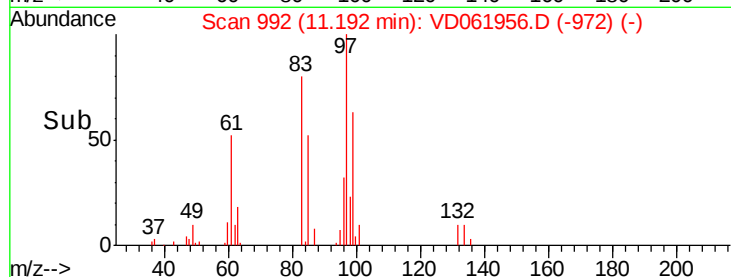
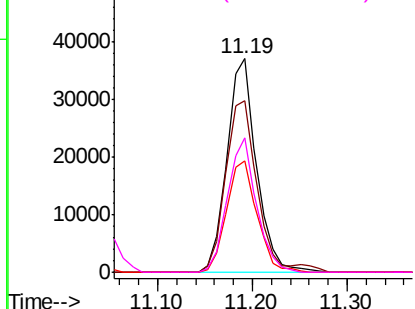
#55
 1,1,2-Trichloroethane
 Concen: 21.741 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 80128
 Ion Ratio Lower Upper
 97 100
 83 80.2 67.0 100.6
 85 52.4 45.0 67.4
 99 62.7 48.9 73.3

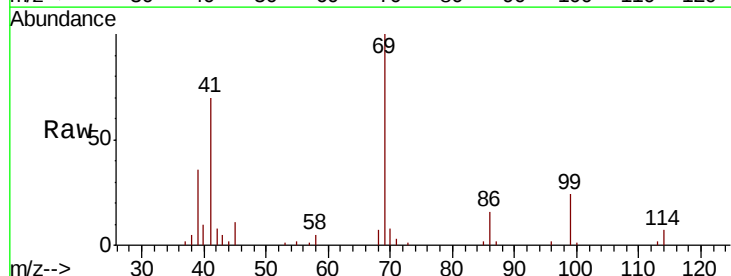


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

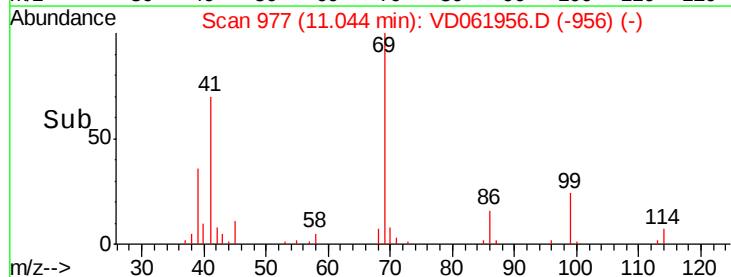
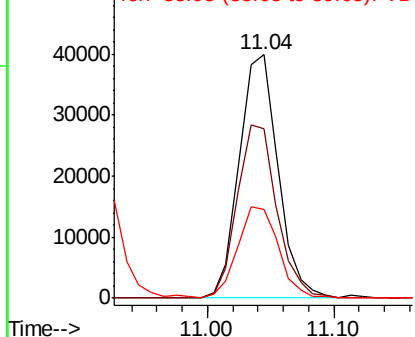


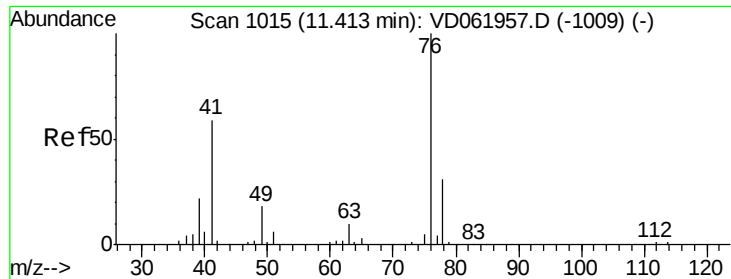
#56
 Ethyl methacrylate
 Concen: 20.986 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 69 Resp: 85409
 Ion Ratio Lower Upper
 69 100
 41 69.8 54.6 82.0
 39 36.4 29.7 44.5



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

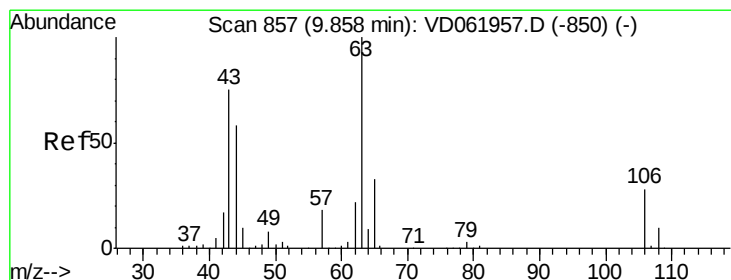
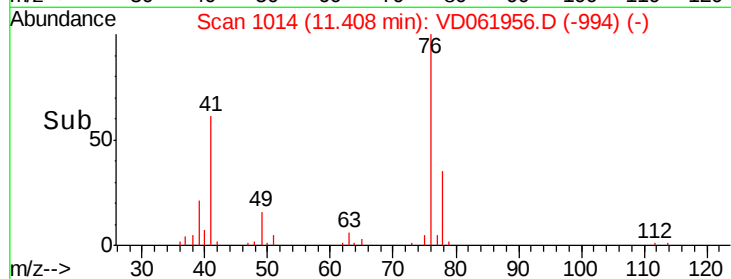
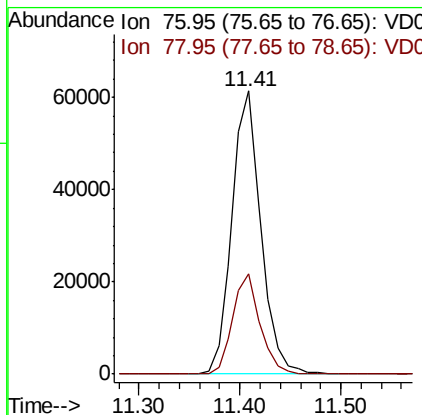
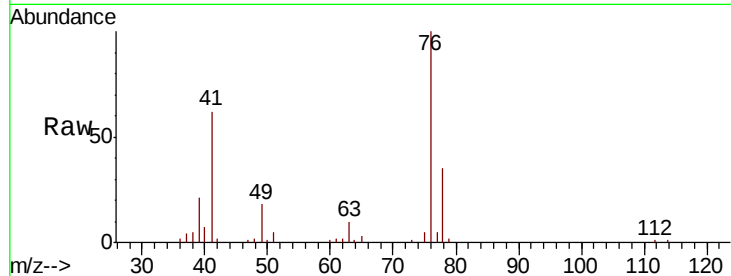




#57
 1,3-Dichloropropane
 Concen: 21.818 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

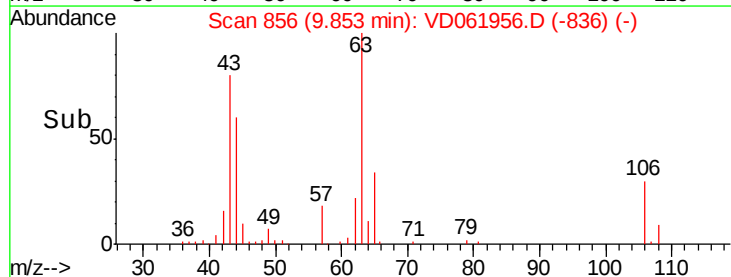
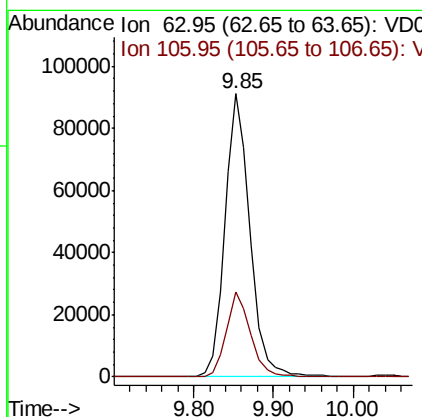
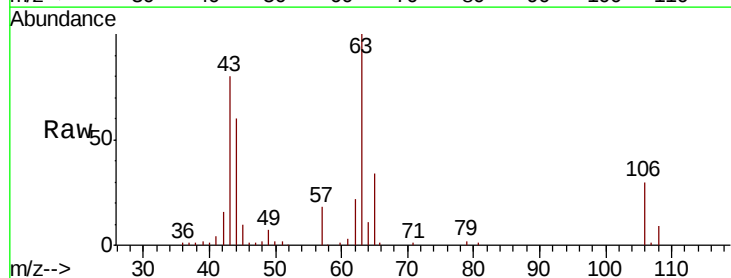
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

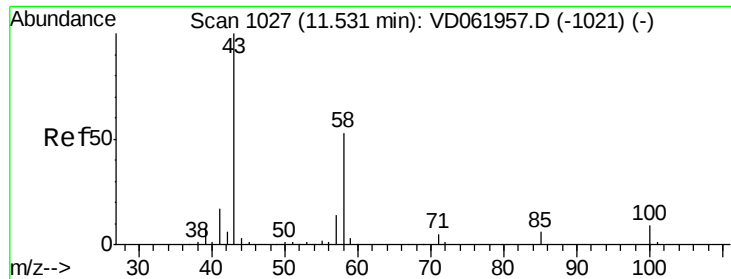
Tgt Ion: 76 Resp: 121657
 Ion Ratio Lower Upper
 76 100
 78 35.4 25.0 37.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.841 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 63 Resp: 200173
 Ion Ratio Lower Upper
 63 100
 106 30.2 22.7 34.1

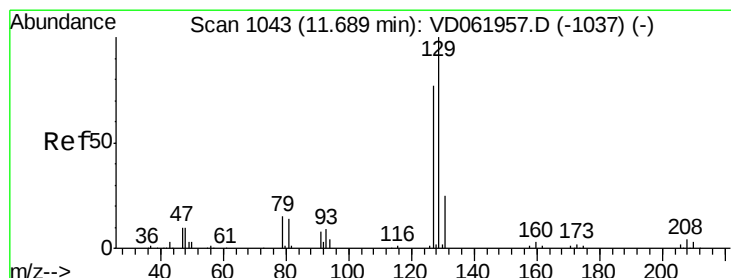
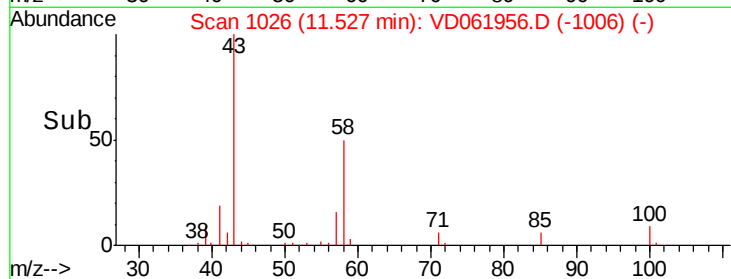
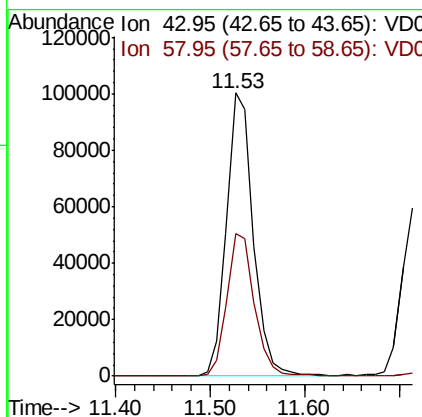
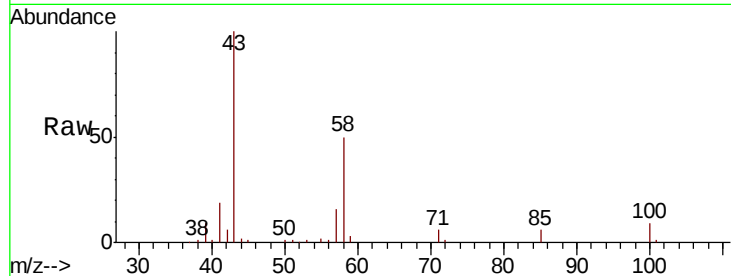




#59
2-Hexanone
Concen: 101.549 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

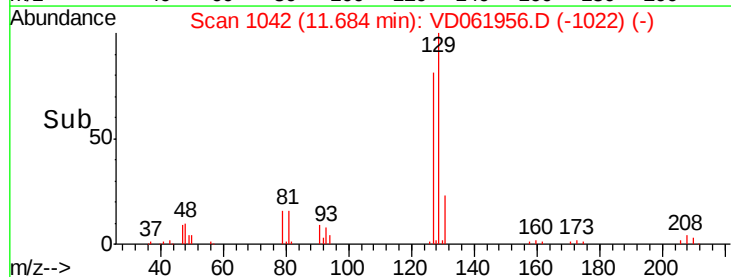
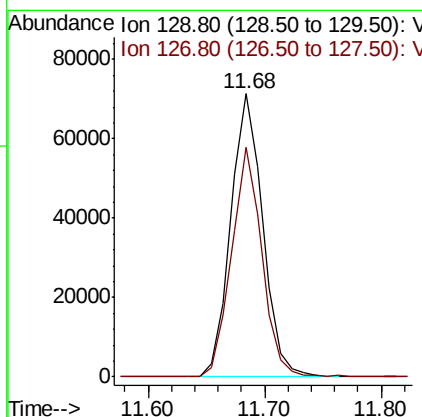
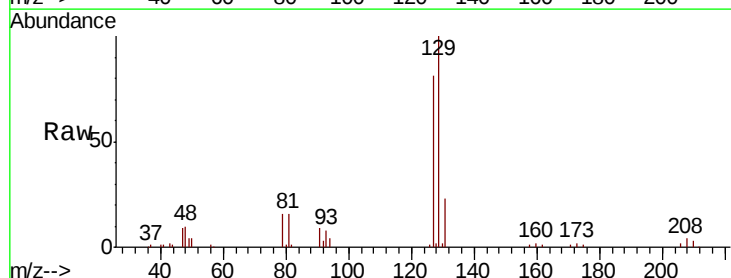
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

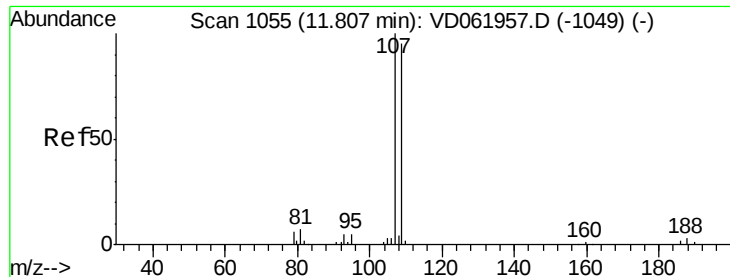
Tgt Ion: 43 Resp: 196119
Ion Ratio Lower Upper
43 100
58 50.2 26.6 79.7



#60
Dibromochloromethane
Concen: 22.715 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 129 Resp: 135278
Ion Ratio Lower Upper
129 100
127 80.9 38.5 115.5

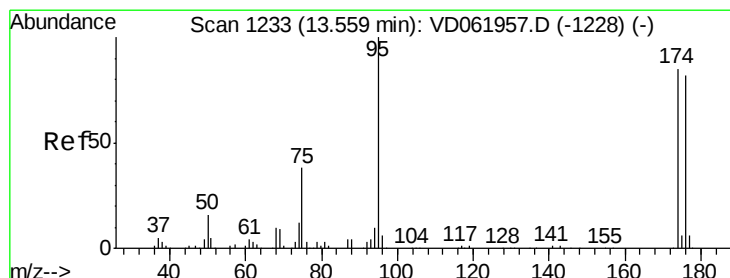
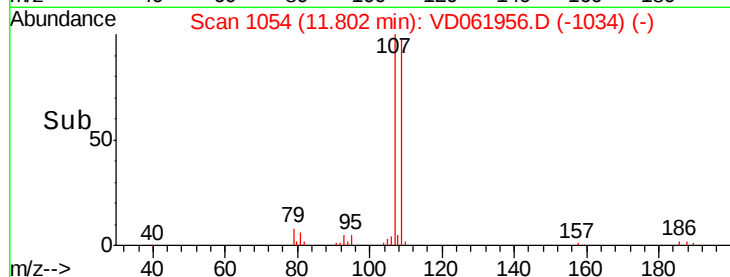
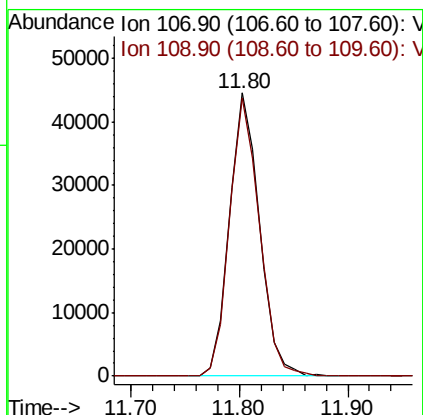
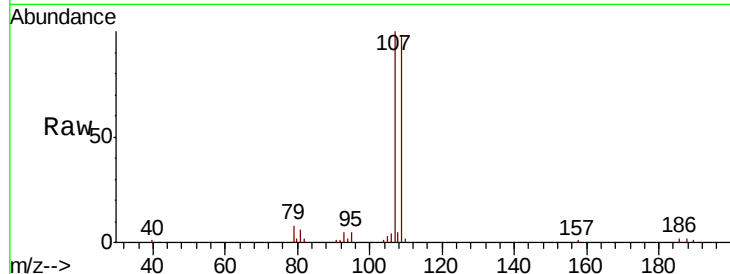




#61
 1,2-Dibromoethane
 Concen: 18.842 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

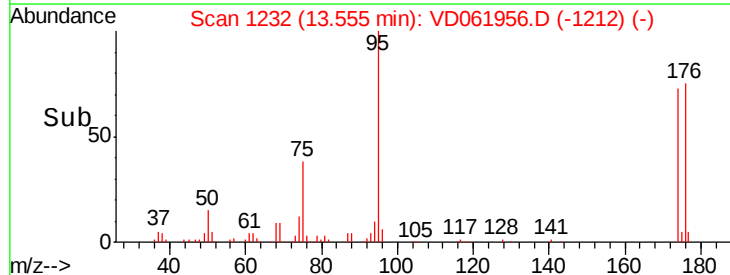
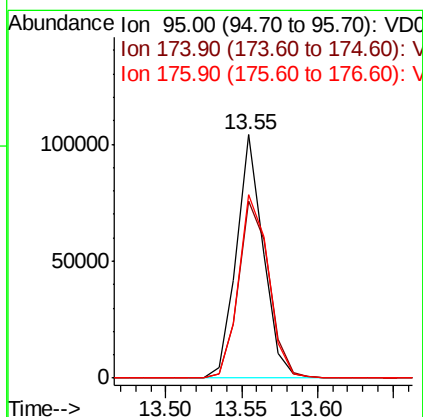
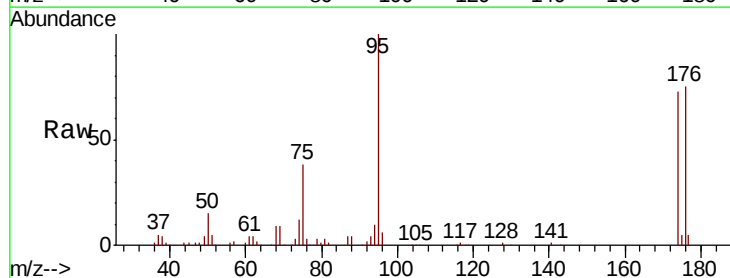
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

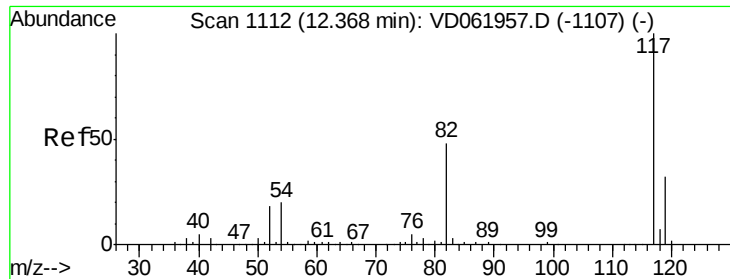
Tgt Ion: 107 Resp: 85834
 Ion Ratio Lower Upper
 107 100
 109 98.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 18.842 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 95 Resp: 127640
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 170.0
 176 75.1 0.0 163.4

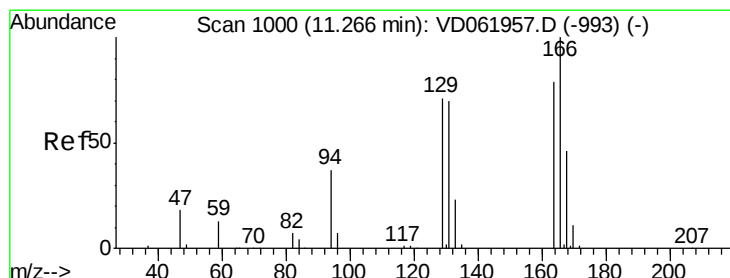
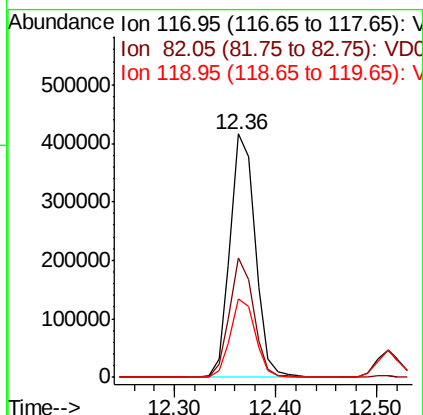
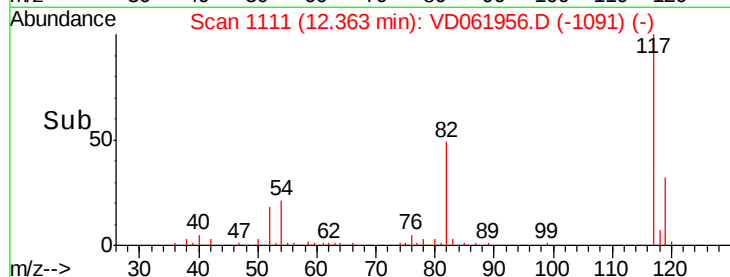
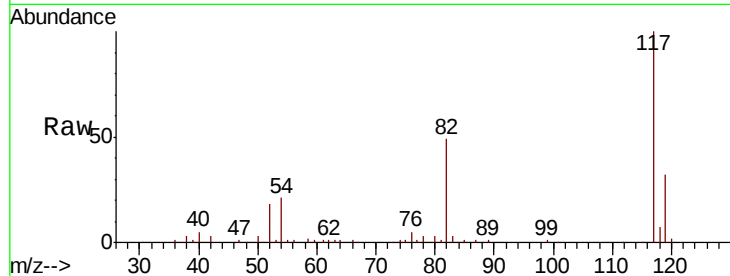




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

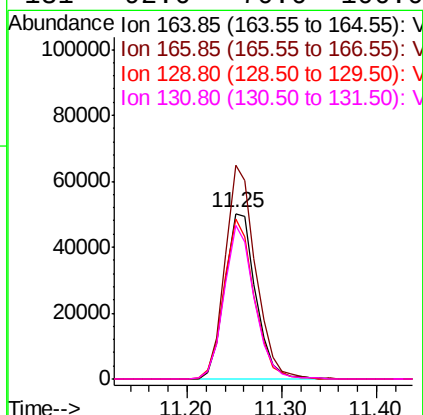
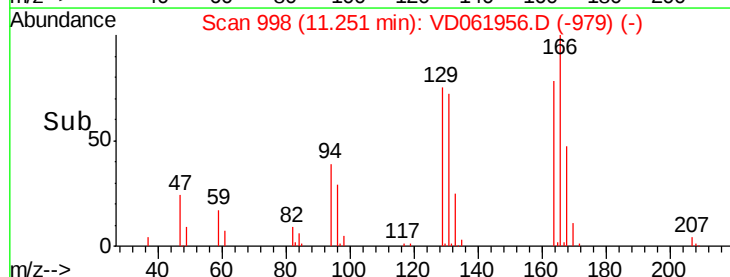
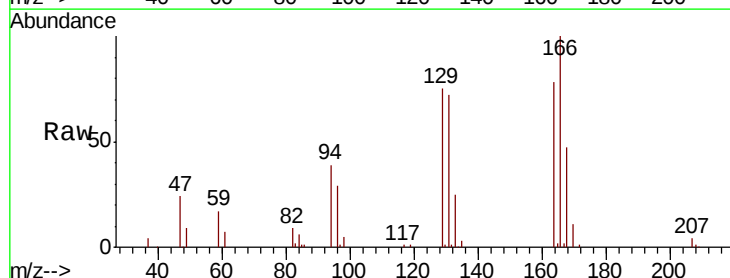
Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

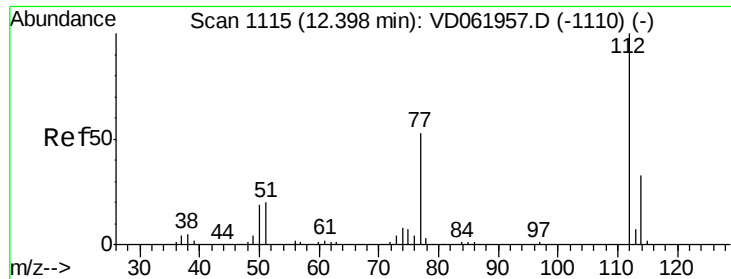
Tgt Ion:117 Resp: 723726
Ion Ratio Lower Upper
117 100
82 49.0 38.3 57.5
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 20.883 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion:164 Resp: 113287
Ion Ratio Lower Upper
164 100
166 128.9 101.0 151.4
129 96.7 71.8 107.8
131 92.6 70.6 106.0

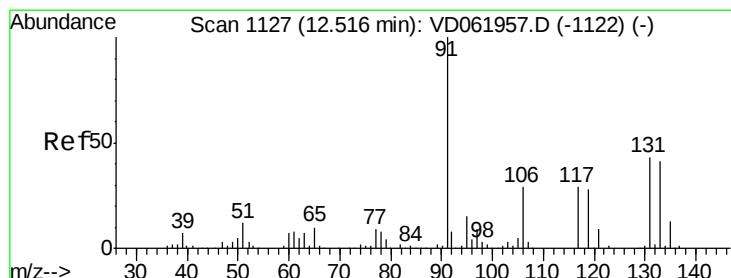
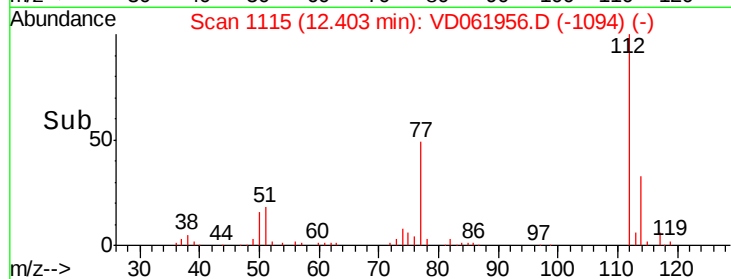
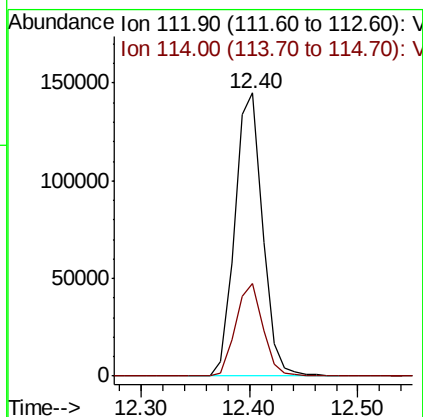
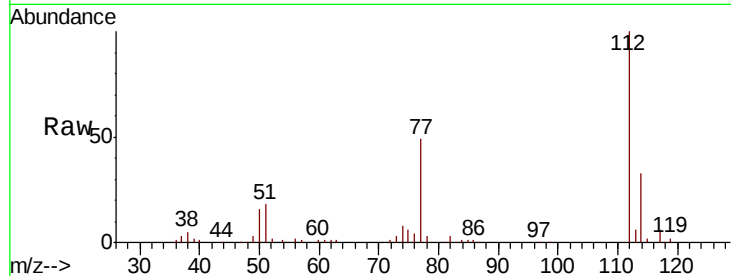




#65
Chlorobenzene
Concen: 18.851 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

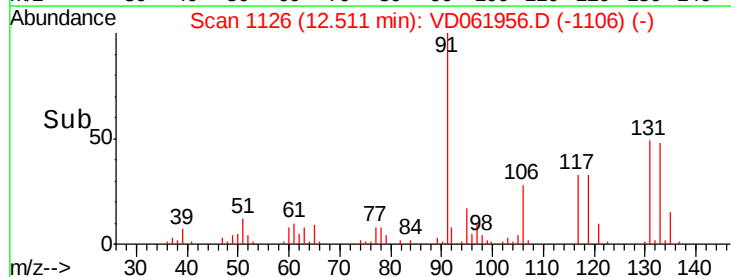
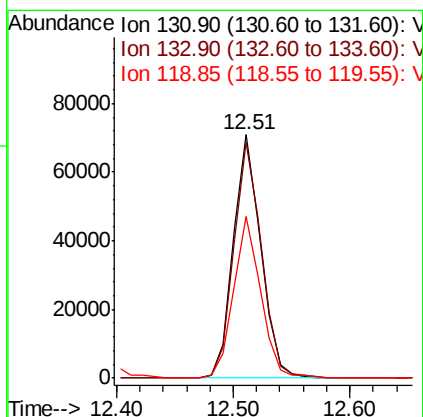
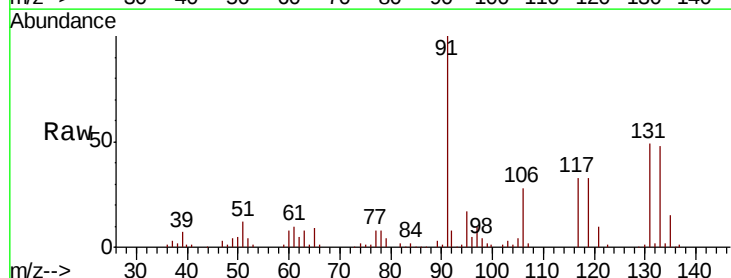
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

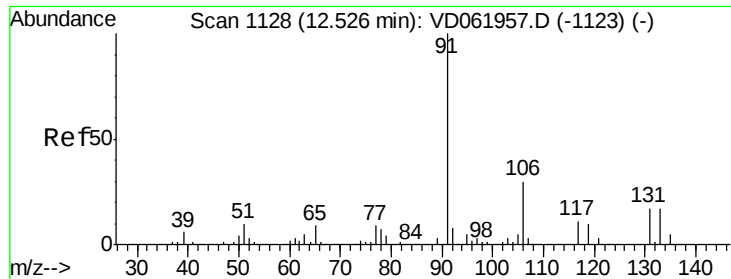
Tgt Ion:112 Resp: 258632
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.235 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion:131 Resp: 116060
Ion Ratio Lower Upper
131 100
133 97.1 47.6 142.9
119 66.5 32.7 98.1

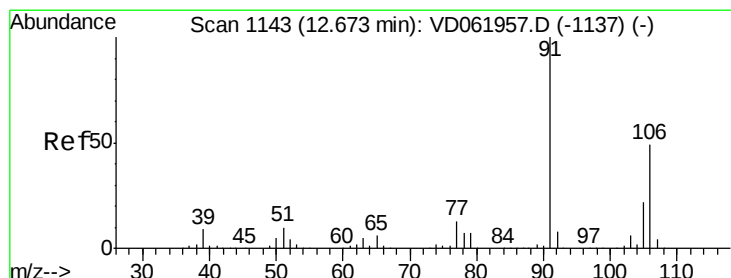
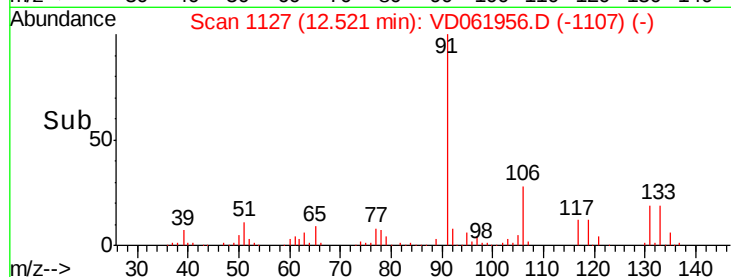
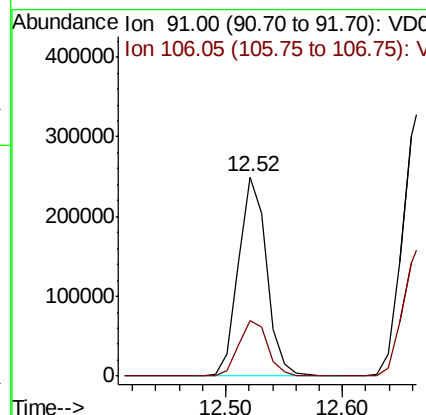
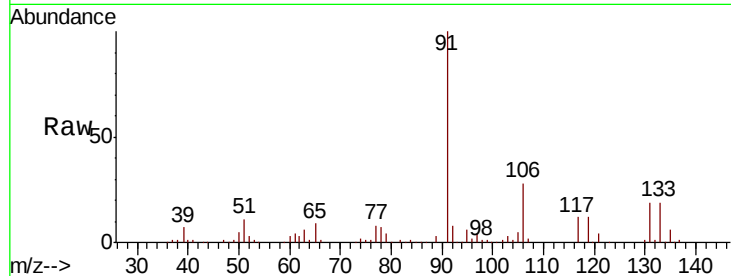




#67
Ethyl Benzene
Concen: 19.109 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

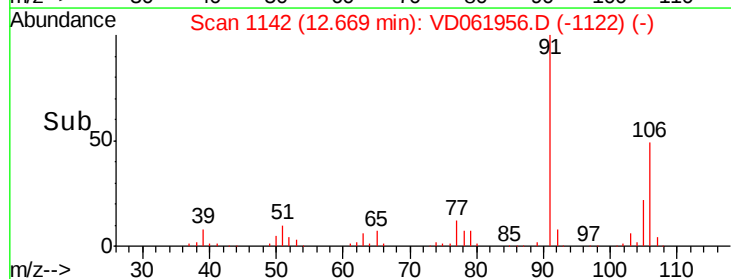
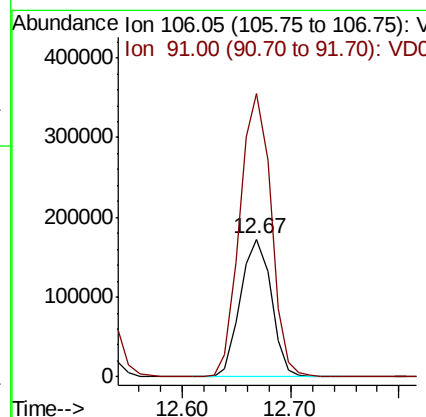
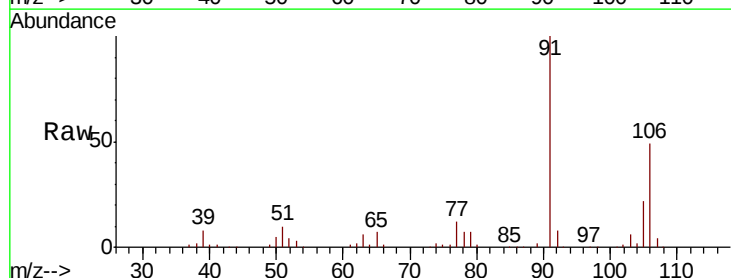
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

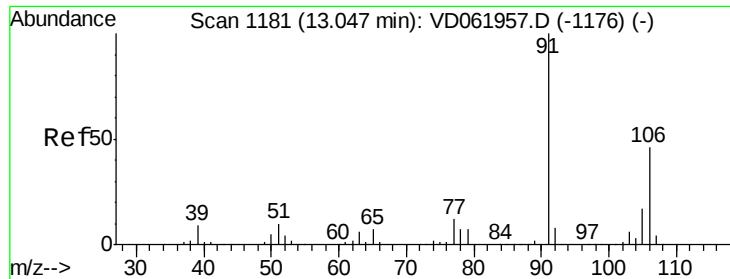
Tgt Ion: 91 Resp: 417677
Ion Ratio Lower Upper
91 100
106 28.2 24.2 36.2



#68
m/p-Xylenes
Concen: 42.578 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 106 Resp: 344919
Ion Ratio Lower Upper
106 100
91 205.1 162.7 244.1

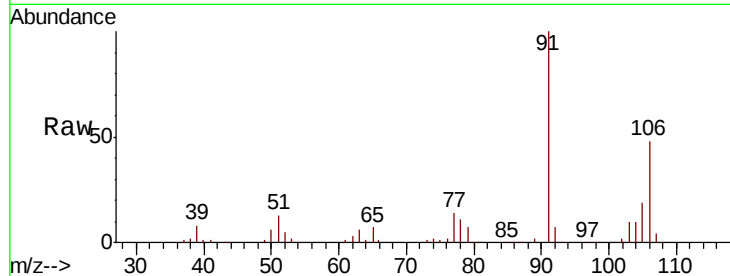




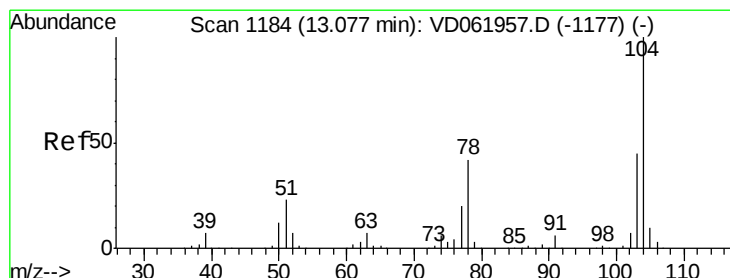
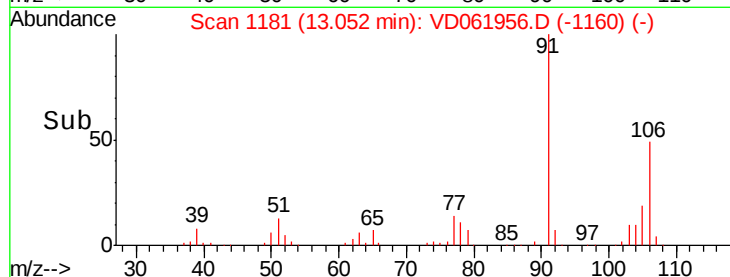
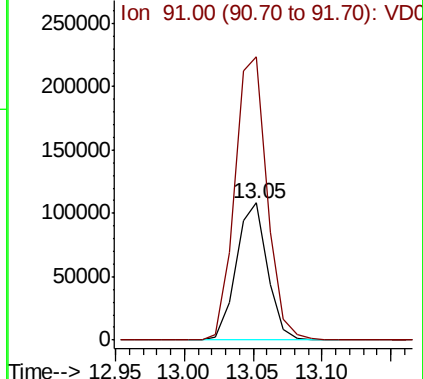
#69
o-Xylene
Concen: 22.161 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 170926
Ion Ratio Lower Upper
106 100
91 206.5 109.9 329.6

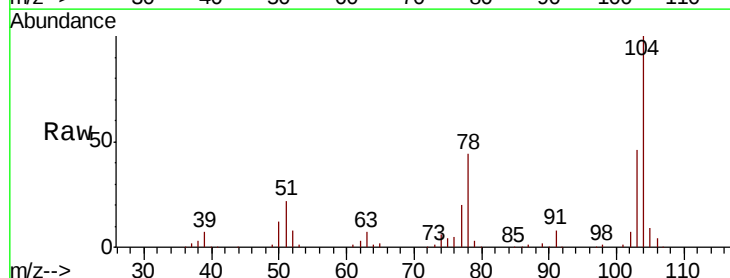


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

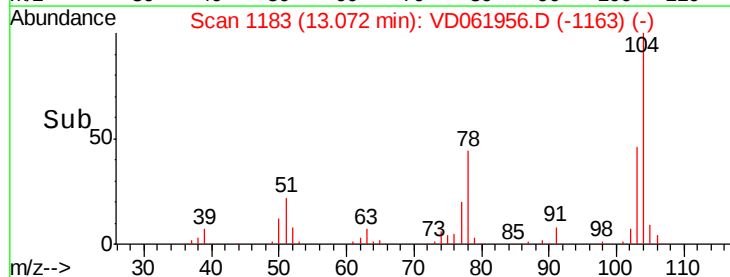
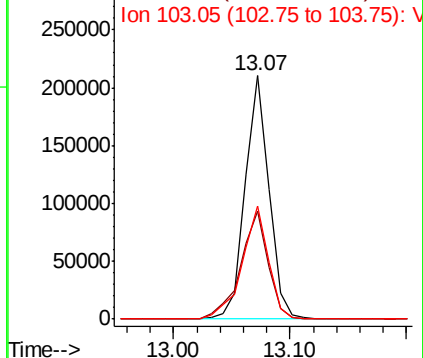


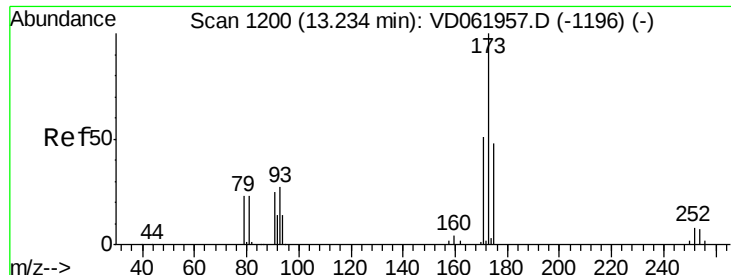
#70
Styrene
Concen: 22.660 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion:104 Resp: 298583
Ion Ratio Lower Upper
104 100
78 44.4 33.8 50.8
103 46.4 36.3 54.5



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: 20.226 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

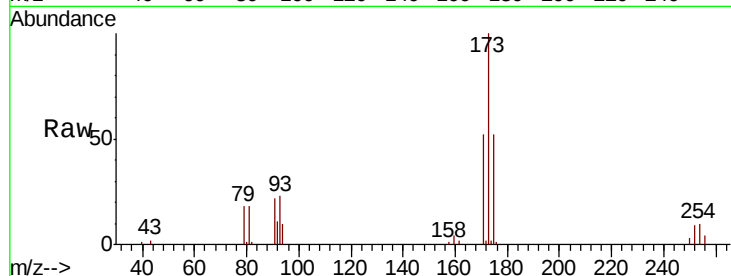
Tgt Ion:173 Resp: 68858

Ion Ratio Lower Upper

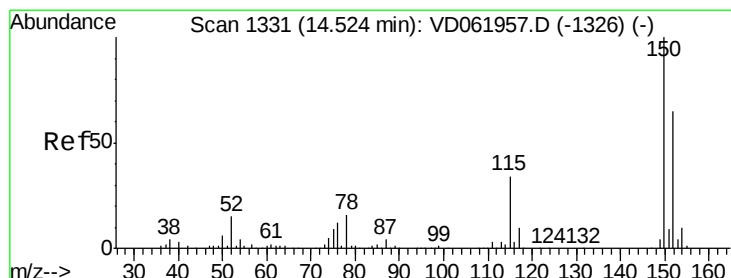
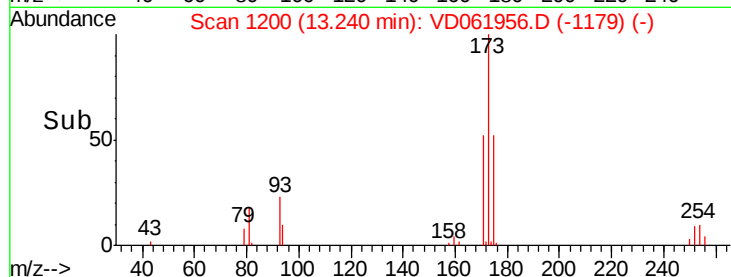
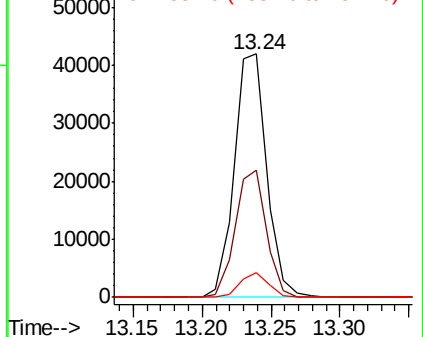
173 100

175 52.1 24.2 72.6

254 10.2 5.3 7.9#



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: VD061956.D

Acq: 23 Apr 2019 00:45

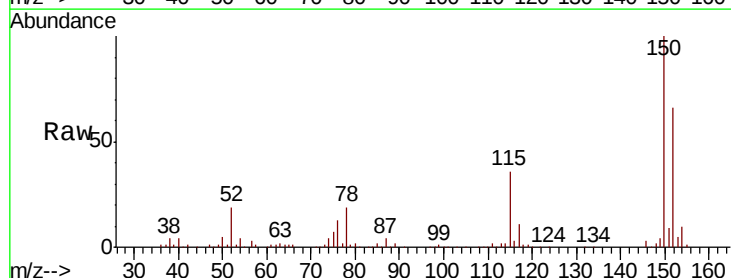
Tgt Ion:152 Resp: 308559

Ion Ratio Lower Upper

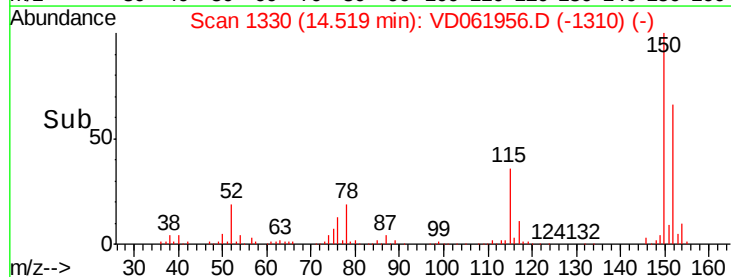
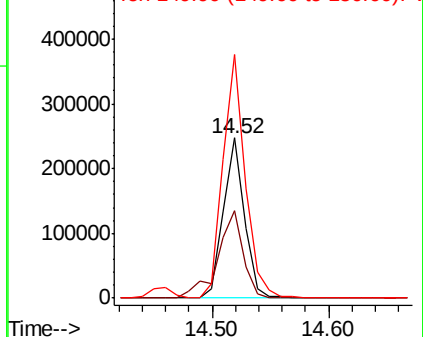
152 100

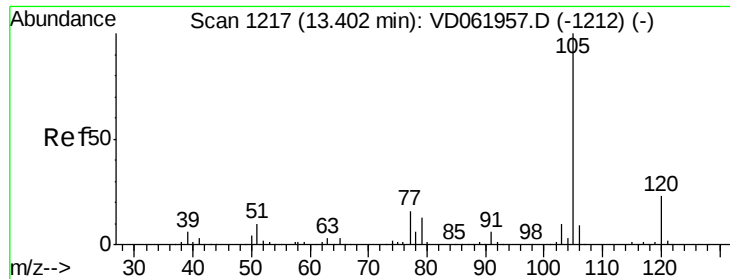
115 54.6 26.7 80.0

150 152.3 0.0 312.6



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





#73

Isopropylbenzene

Concen: 21.557 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

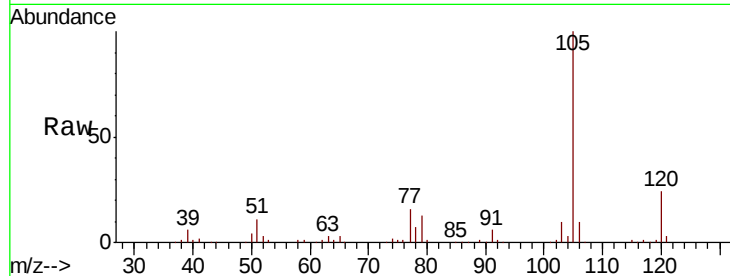
VSTDIC020

Tgt Ion:105 Resp: 425018

Ion Ratio Lower Upper

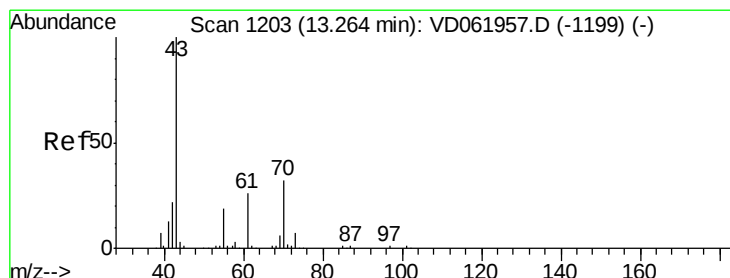
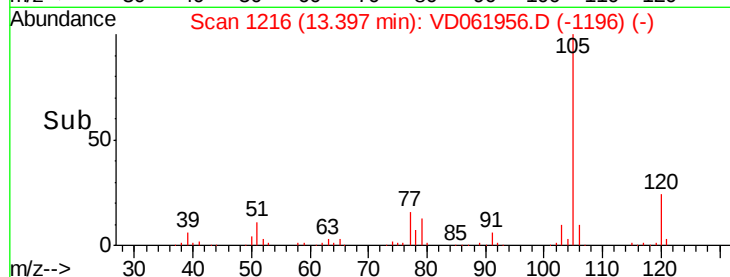
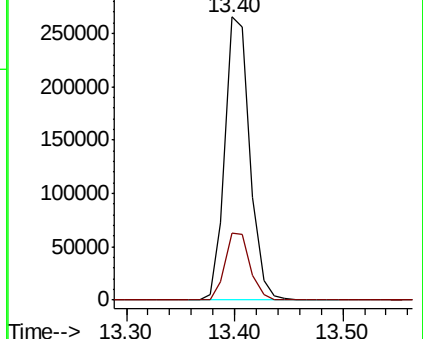
105 100

120 23.6 11.8 35.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.831 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Tgt Ion: 43 Resp: 116934

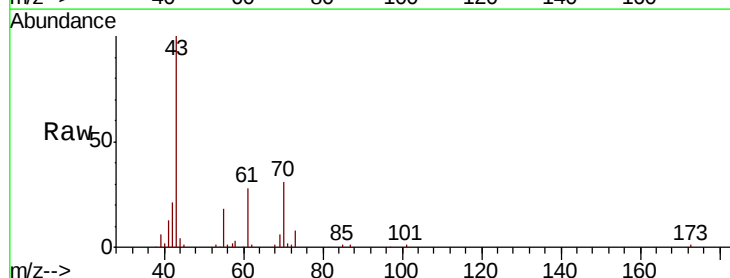
Ion Ratio Lower Upper

43 100

70 30.9 25.4 38.0

55 17.9 15.1 22.7

61 28.1 20.7 31.1

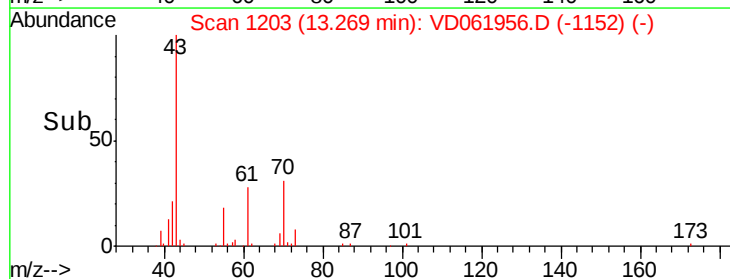
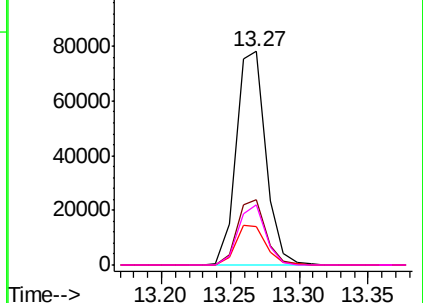


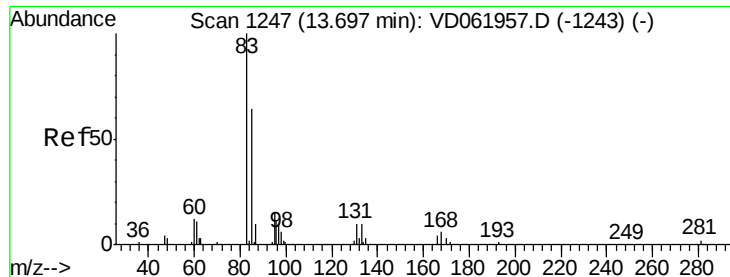
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.875 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

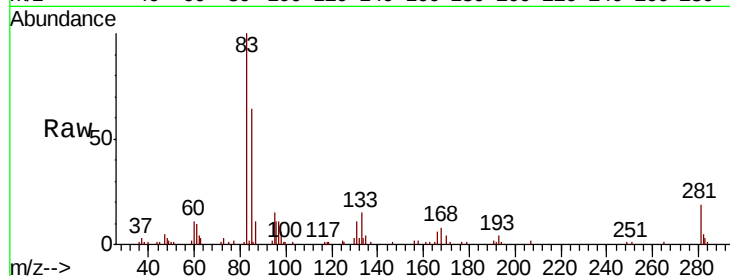
Tgt Ion: 83 Resp: 90347

Ion Ratio Lower Upper

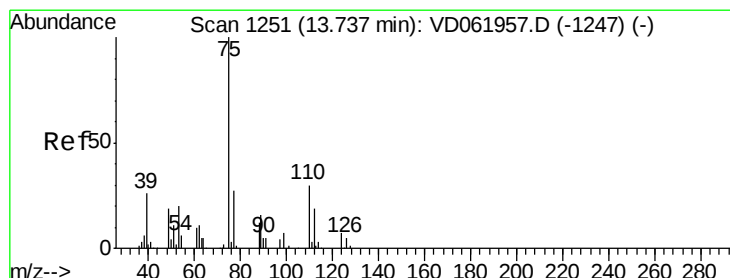
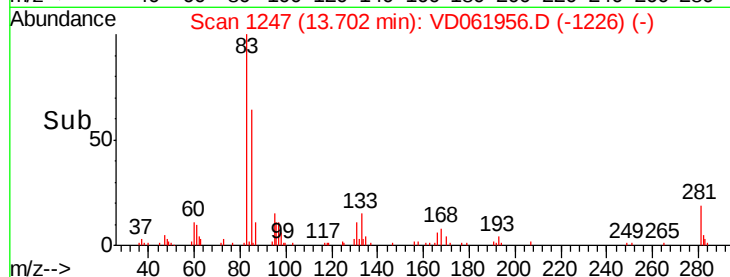
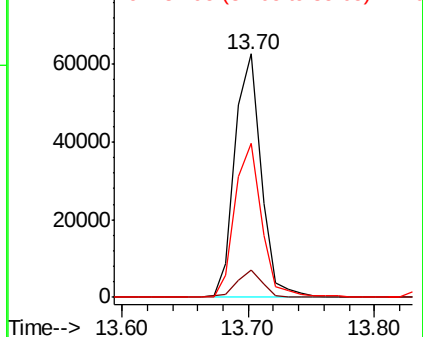
83 100

131 11.3 4.9 14.7

85 63.5 31.9 95.9



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: 21.997 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061956.D

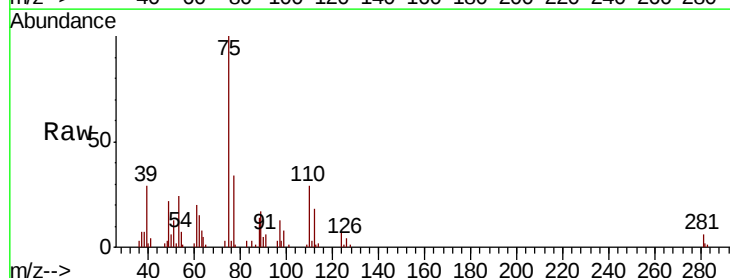
Acq: 23 Apr 2019 00:45

Tgt Ion: 75 Resp: 89006

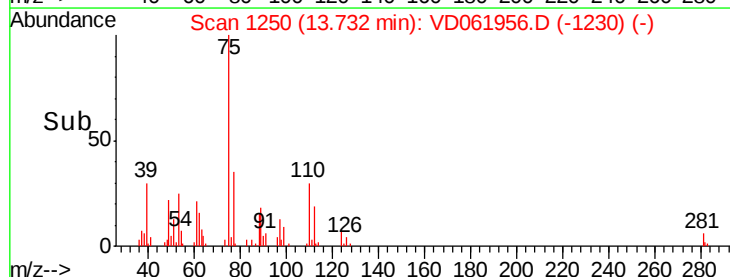
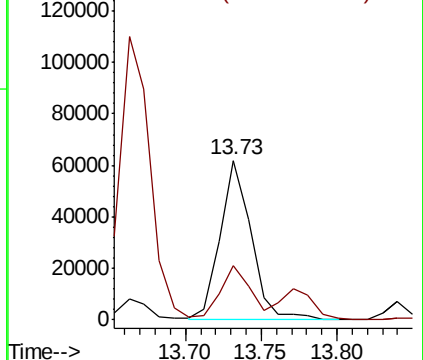
Ion Ratio Lower Upper

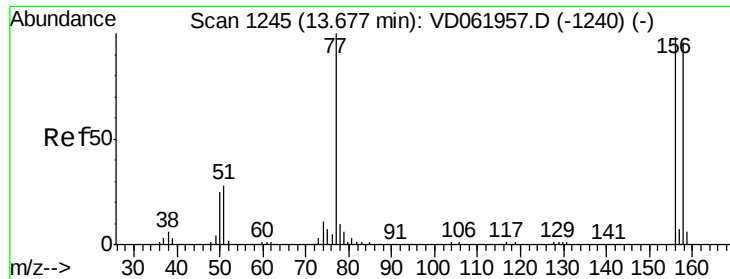
75 100

77 33.6 16.0 48.0



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

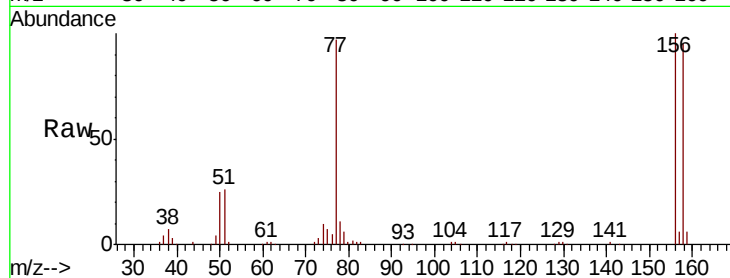




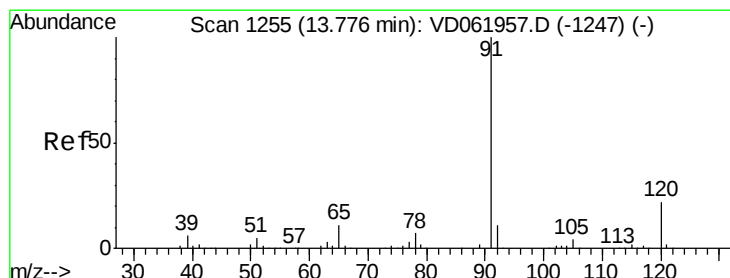
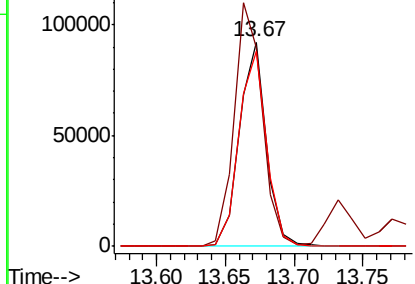
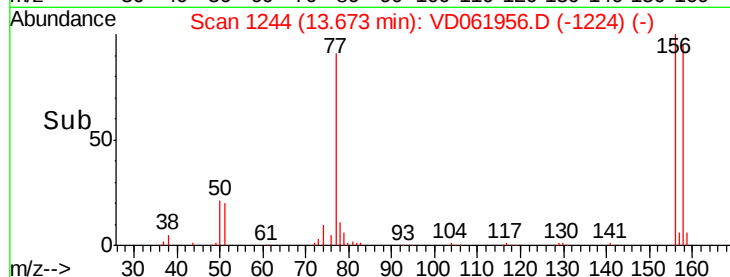
#77
Bromobenzene
Concen: 22.100 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 156 Resp: 125068
Ion Ratio Lower Upper
156 100
77 97.4 51.2 153.6
158 95.4 49.0 147.0

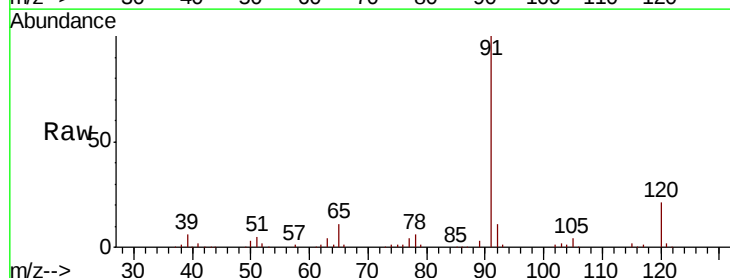


Abundance Ion 155.90 (155.60 to 156.60): V
150000 Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

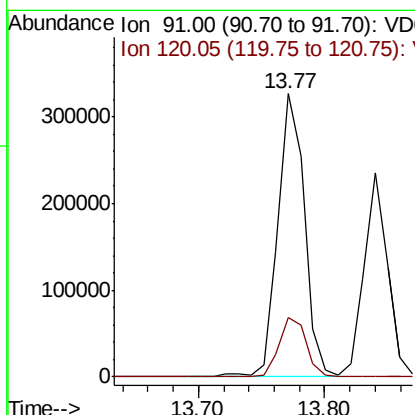
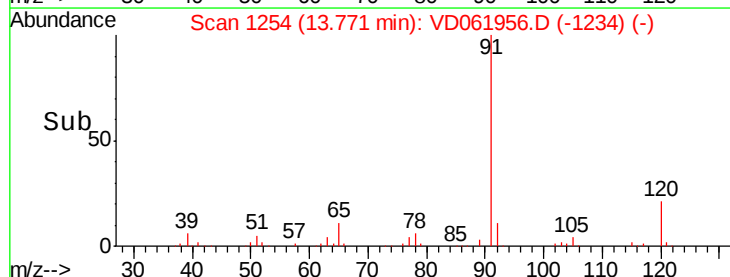


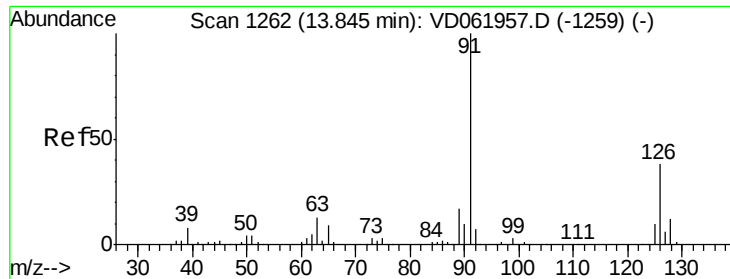
#78
n-propylbenzene
Concen: 20.971 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 91 Resp: 480598
Ion Ratio Lower Upper
91 100
120 21.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

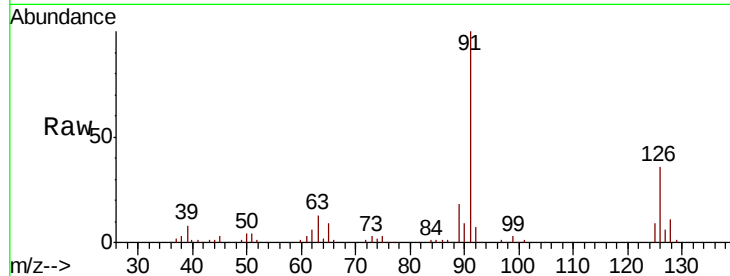




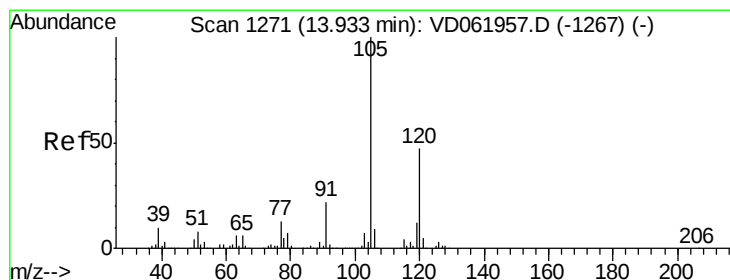
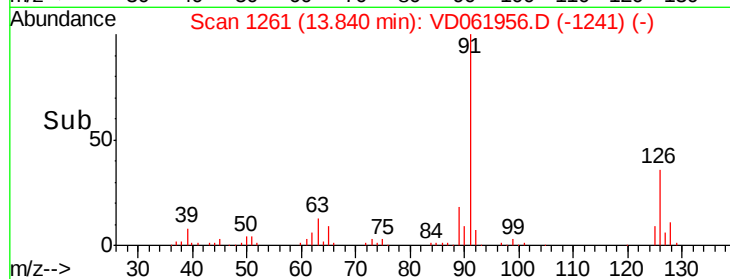
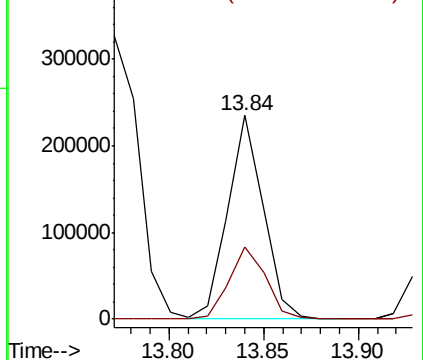
#79
 2-Chlorotoluene
 Concen: 22.586 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 304121
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.9 56.9

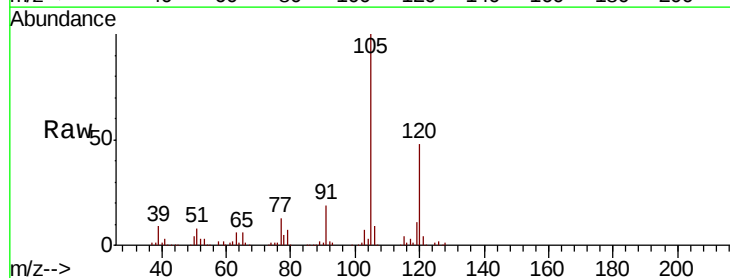


Abundance Ion 91.00 (90.70 to 91.70): VD061957.D (-1259) (-)
 Ion 125.95 (125.65 to 126.65): VD061957.D (-1259) (-)

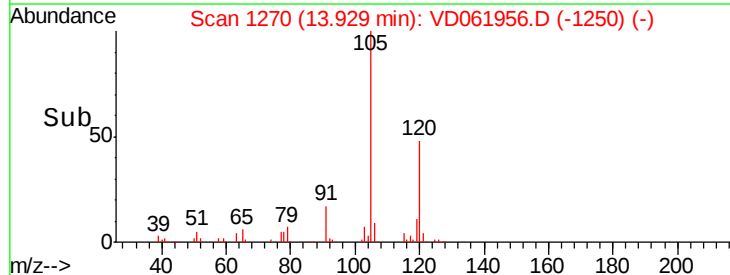
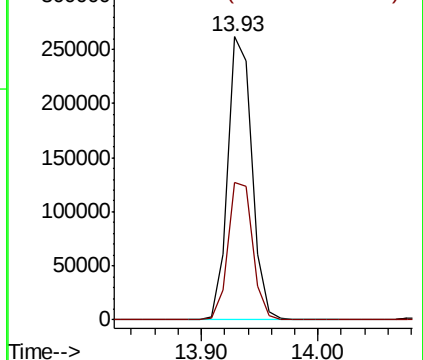


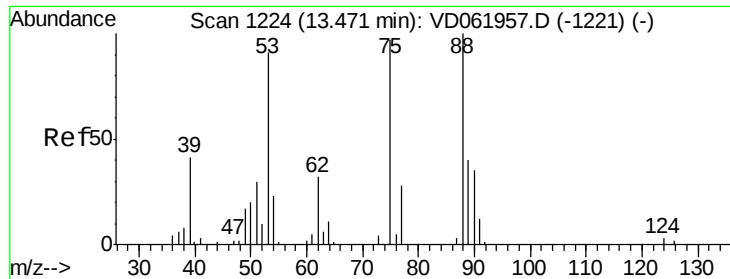
#80
 1,3,5-Trimethylbenzene
 Concen: 23.463 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 105 Resp: 375037
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.3 69.9



Abundance Ion 105.05 (104.75 to 105.75): VD061957.D (-1267) (-)
 Ion 120.05 (119.75 to 120.75): VD061957.D (-1267) (-)

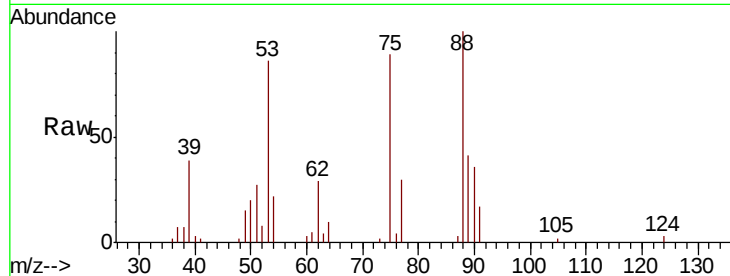




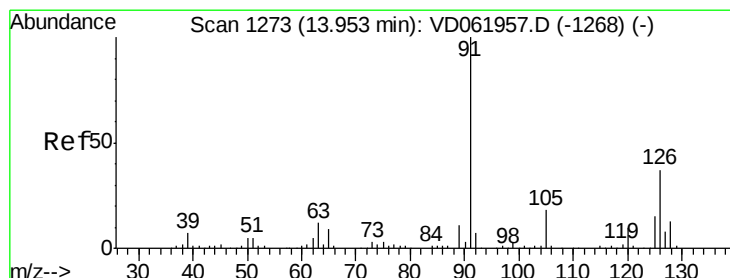
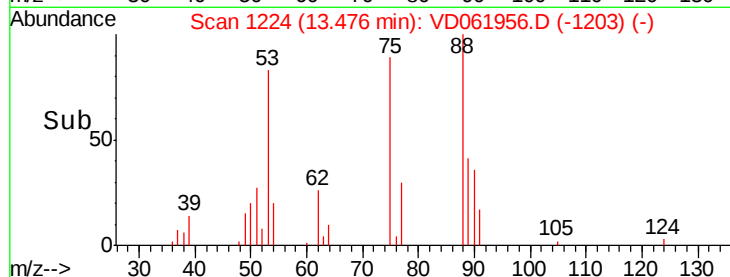
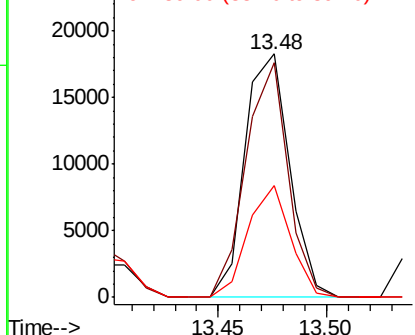
#81
trans-1,4-Dichloro-2-butene
Concen: 22.577 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 26193
Ion Ratio Lower Upper
75 100
53 96.2 75.2 112.8
89 46.0 33.0 49.4

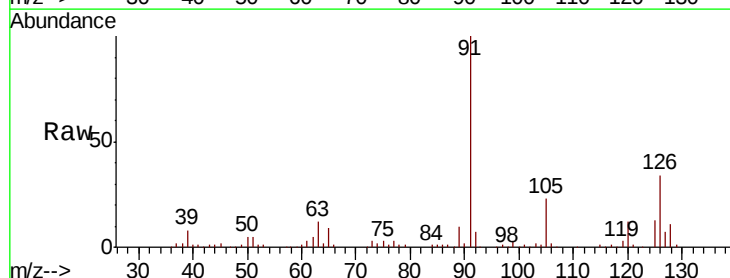


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

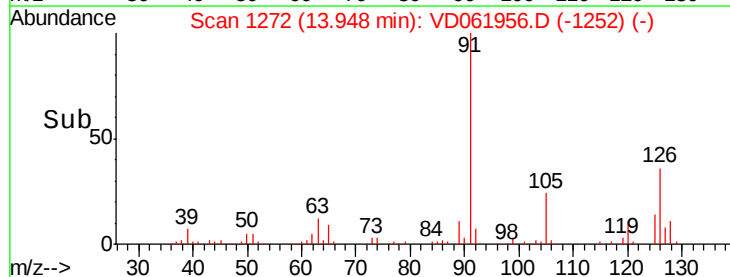
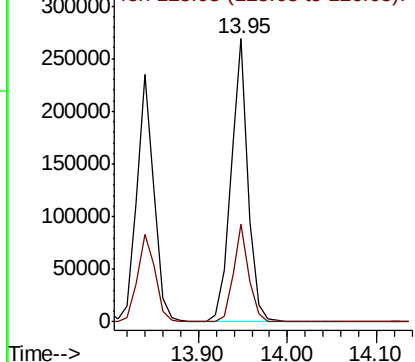


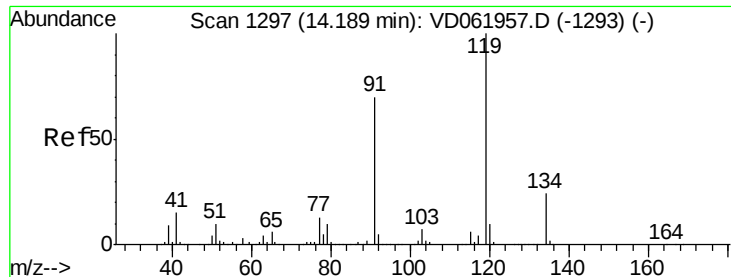
#82
4-Chlorotoluene
Concen: 23.584 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion: 91 Resp: 365197
Ion Ratio Lower Upper
91 100
126 34.4 18.3 54.9



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

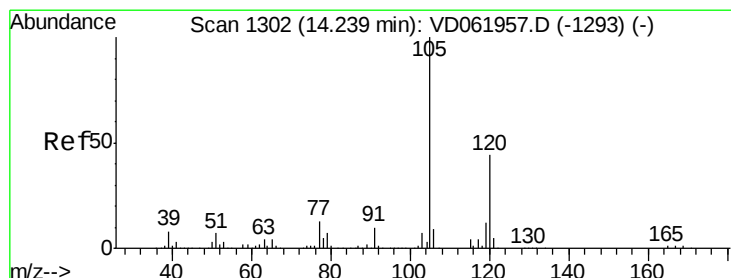
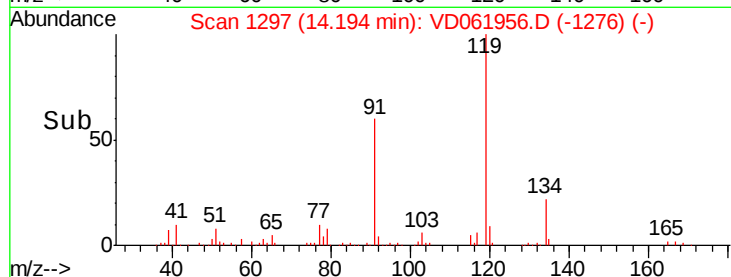
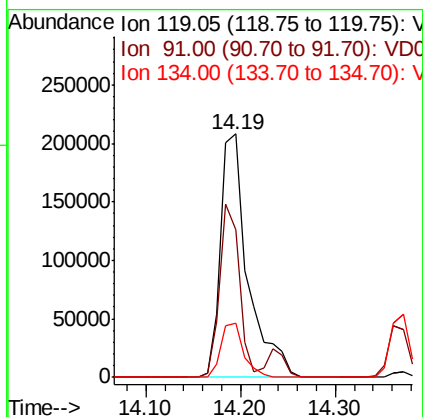
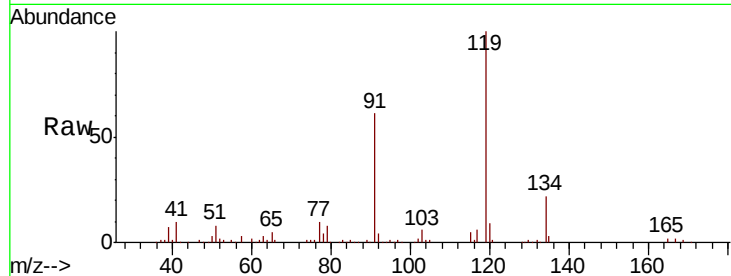




#83
 tert-Butylbenzene
 Concen: 22.494 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

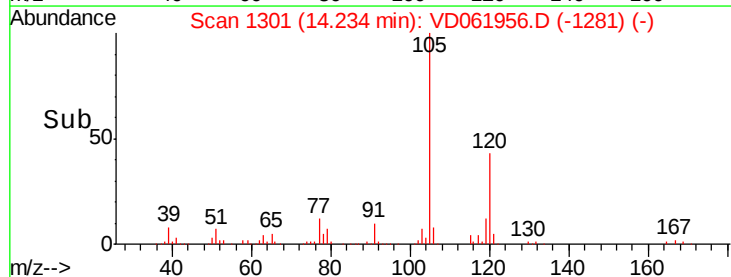
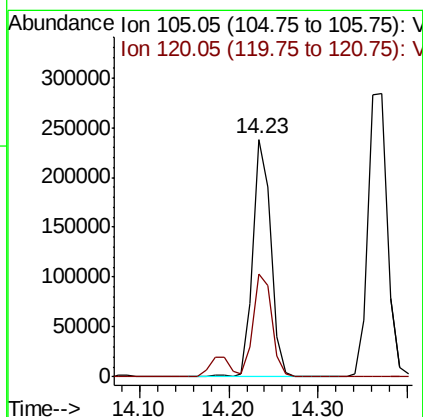
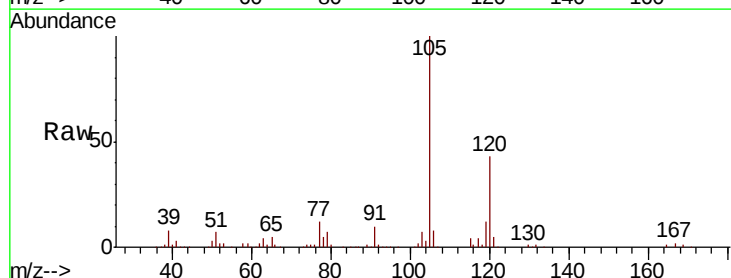
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

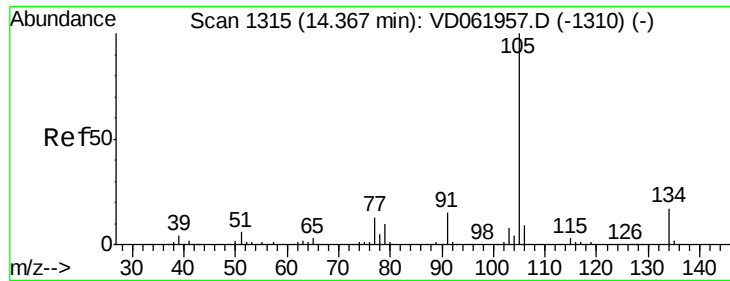
Tgt Ion:119 Resp: 417127
 Ion Ratio Lower Upper
 119 100
 91 60.5 35.3 105.7
 134 22.2 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.174 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion:105 Resp: 329339
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.1 66.1

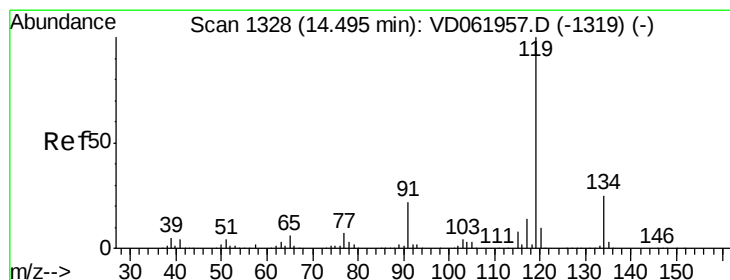
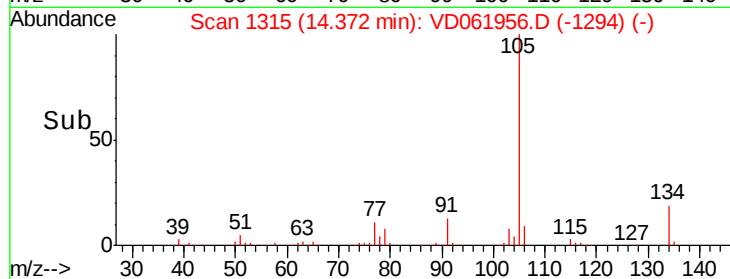
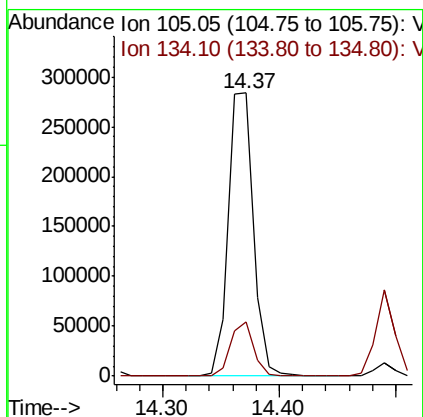
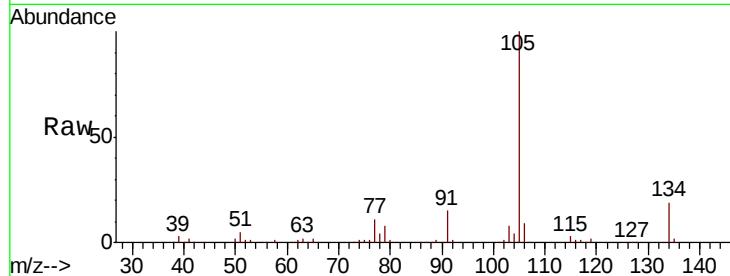




#85
 sec-Butylbenzene
 Concen: 22.147 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

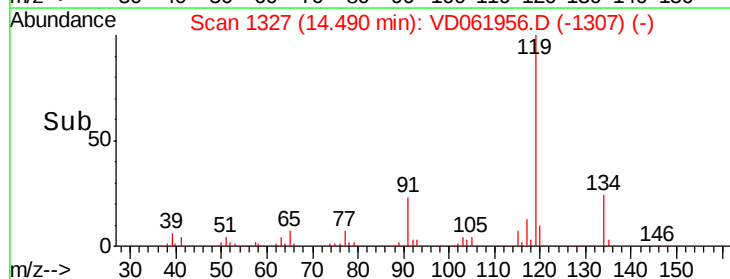
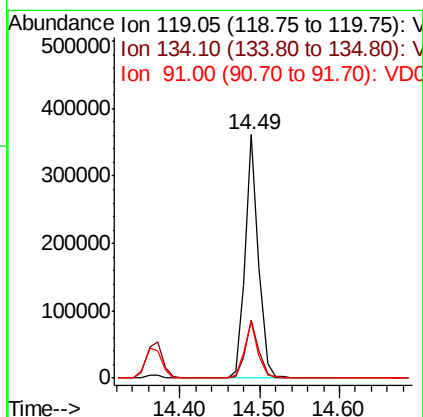
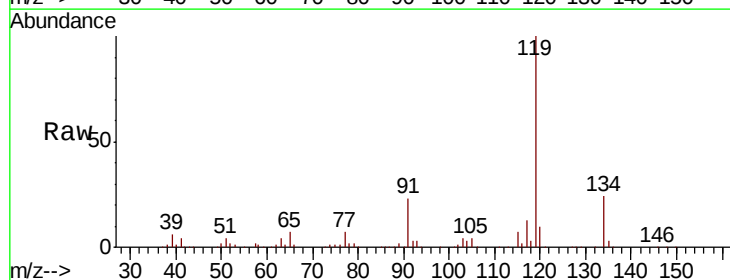
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

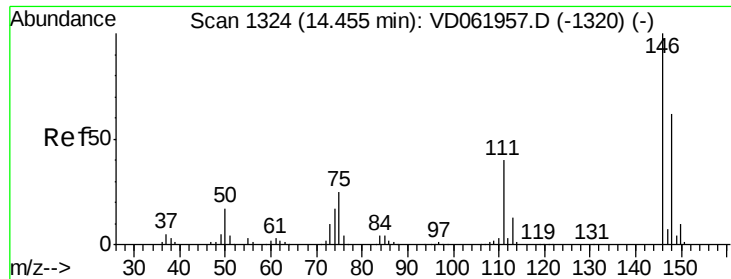
Tgt Ion:105 Resp: 426125
 Ion Ratio Lower Upper
 105 100
 134 19.1 8.4 25.2



#86
 p-Isopropyltoluene
 Concen: 23.328 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion:119 Resp: 416422
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.4 37.2
 91 23.1 11.3 33.9

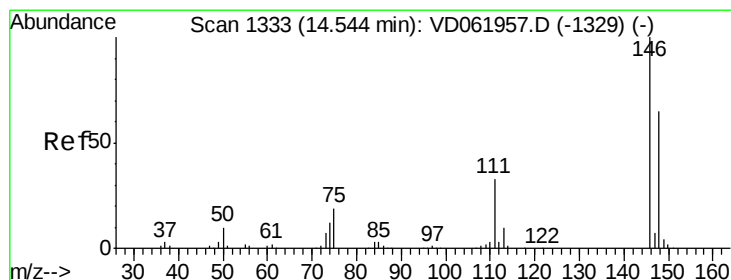
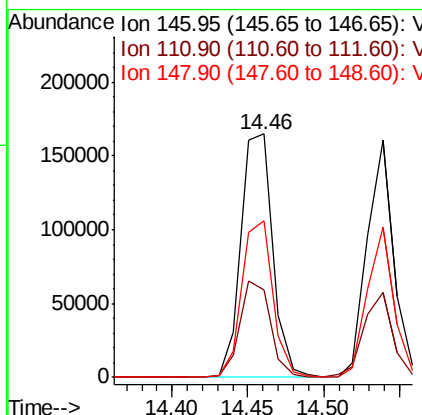
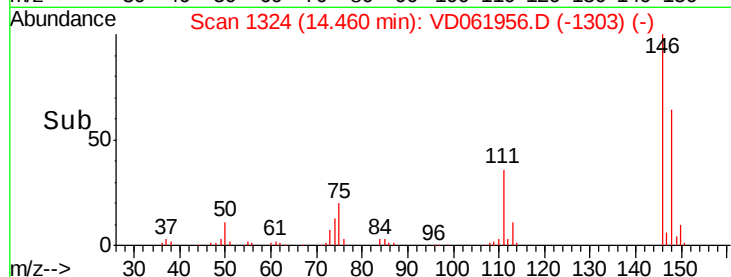
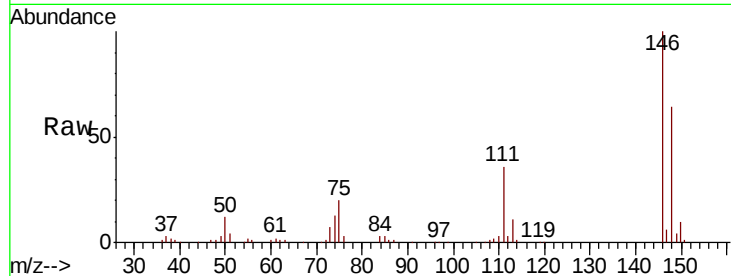




#87
 1,3-Dichlorobenzene
 Concen: 24.473 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

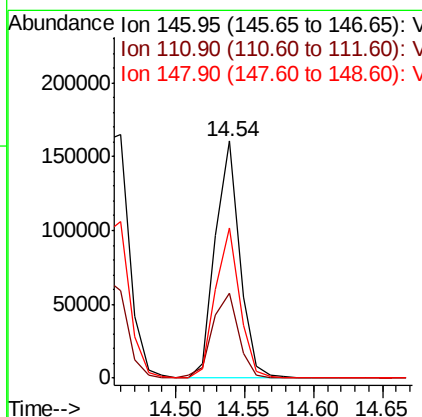
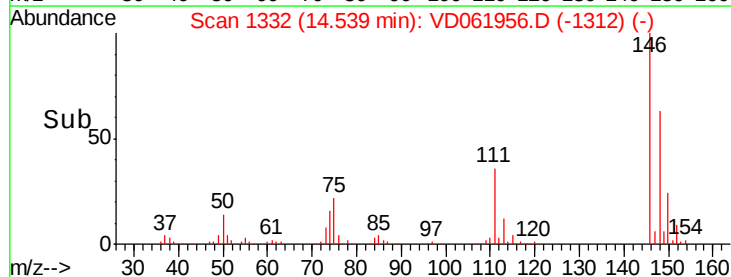
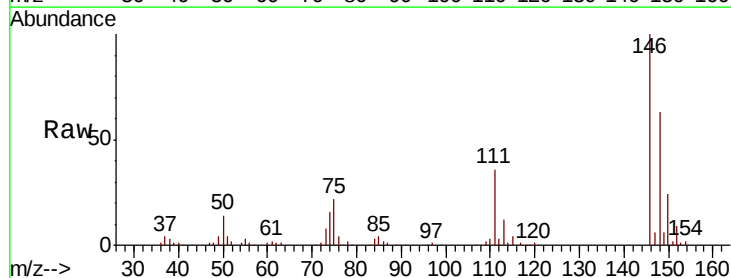
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

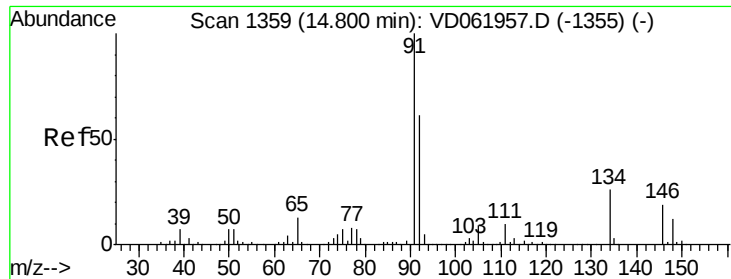
Tgt Ion:146 Resp: 240861
 Ion Ratio Lower Upper
 146 100
 111 35.8 20.1 60.3
 148 64.1 31.1 93.2



#88
 1,4-Dichlorobenzene
 Concen: 20.328 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion:146 Resp: 197428
 Ion Ratio Lower Upper
 146 100
 111 36.0 16.8 50.3
 148 63.3 32.6 97.8





#89

n-Butylbenzene

Concen: 23.955 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061956.D

Acq: 23 Apr 2019 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

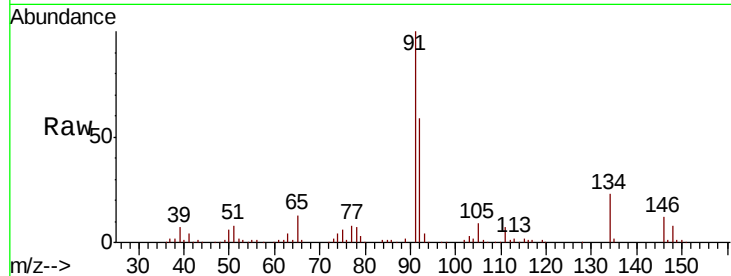
Tgt Ion: 91 Resp: 383475

Ion Ratio Lower Upper

91 100

92 58.6 30.3 91.0

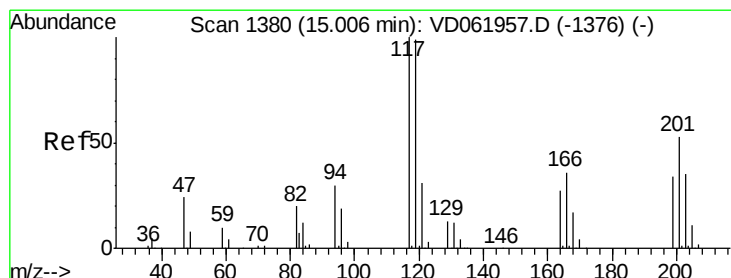
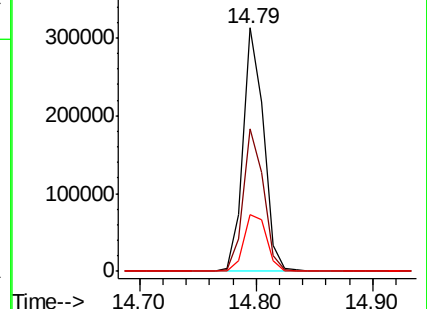
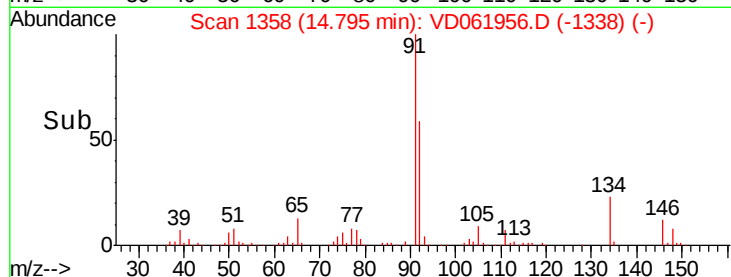
134 23.1 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.272 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061956.D

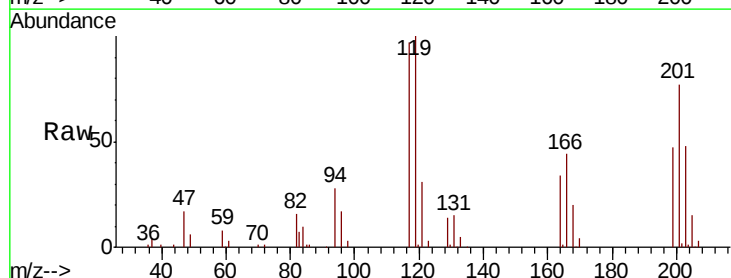
Acq: 23 Apr 2019 00:45

Tgt Ion: 117 Resp: 113941

Ion Ratio Lower Upper

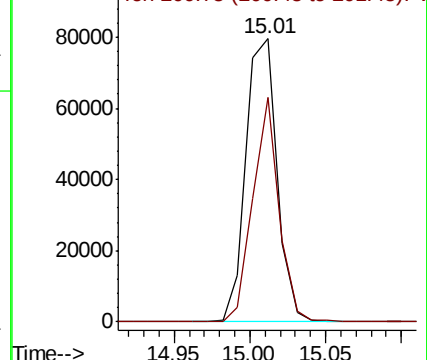
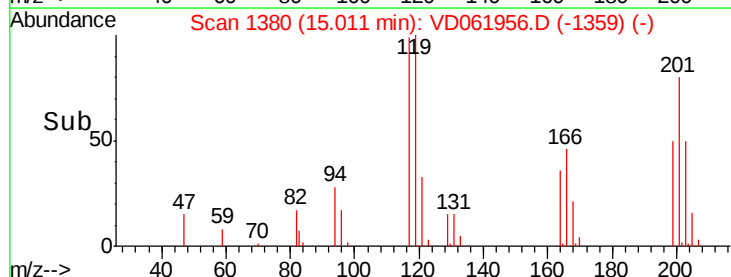
117 100

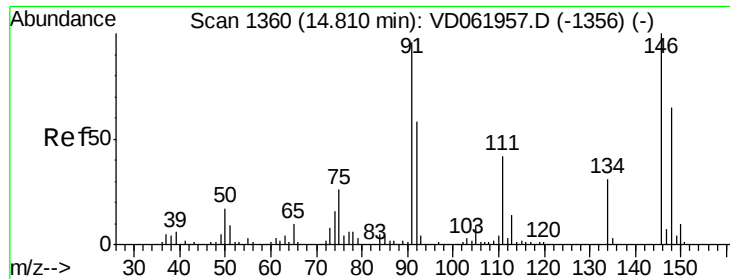
201 79.3 26.4 79.2#



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

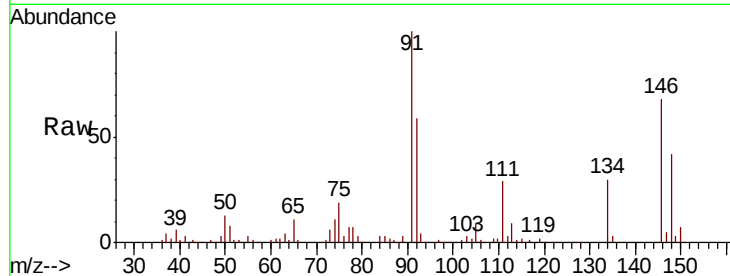




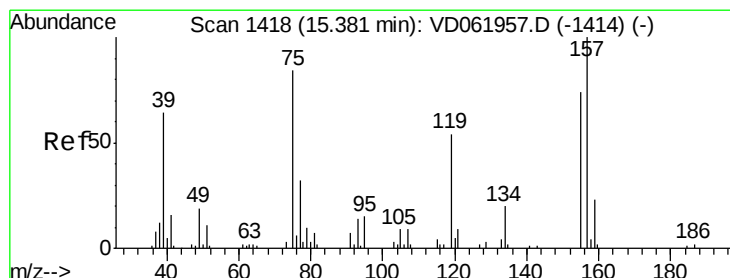
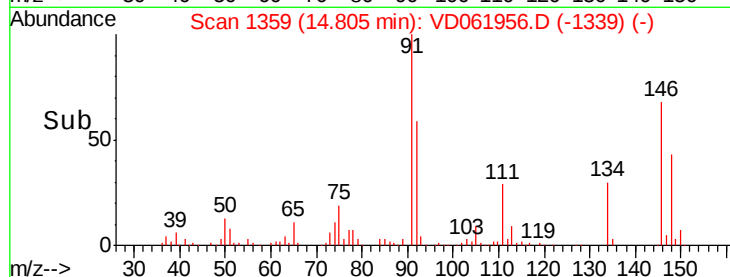
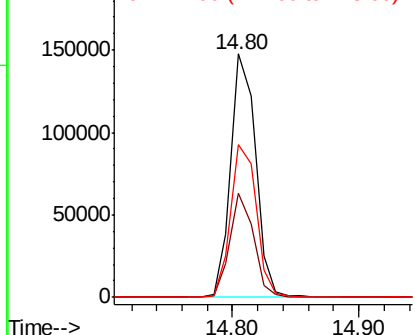
#91
 1,2-Dichlorobenzene
 Concen: 24.097 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 201394
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.9 62.8
 148 62.8 32.3 96.8

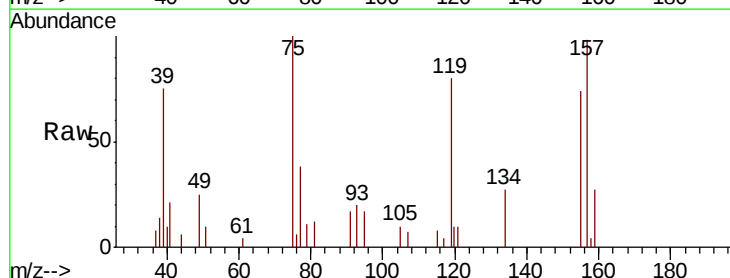


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

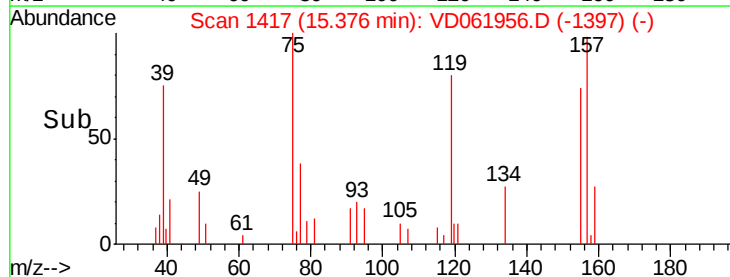
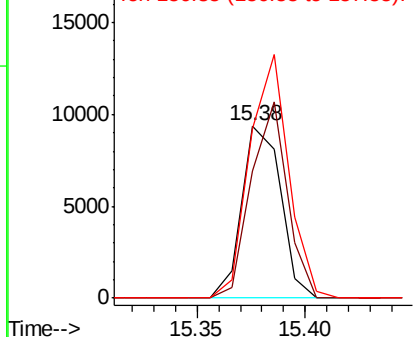


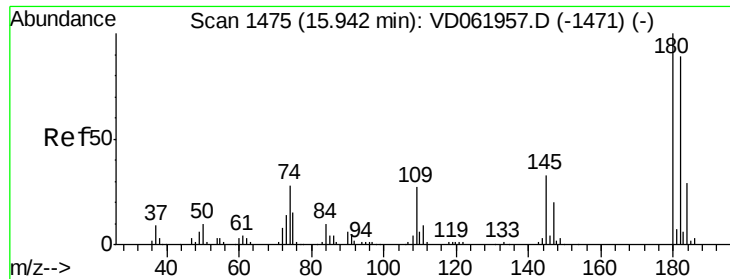
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.752 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion: 75 Resp: 11877
 Ion Ratio Lower Upper
 75 100
 155 73.6 44.0 131.8
 157 98.2 59.8 179.4



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

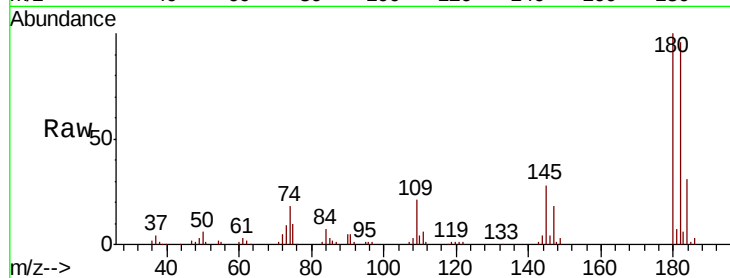




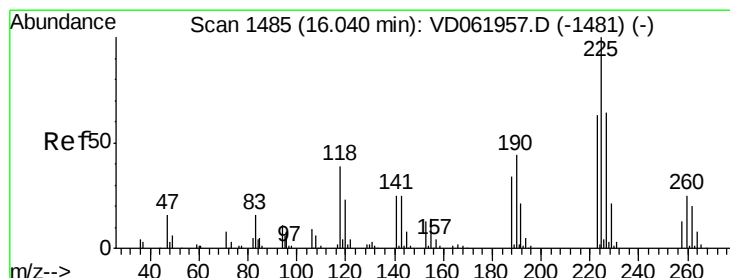
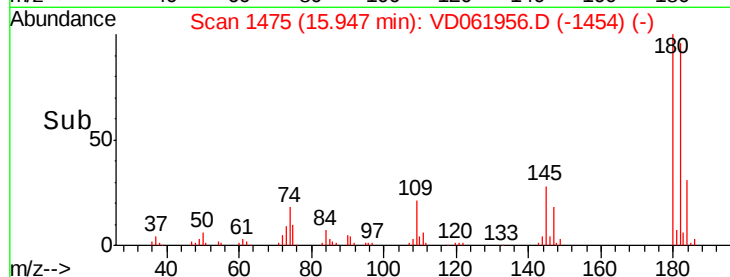
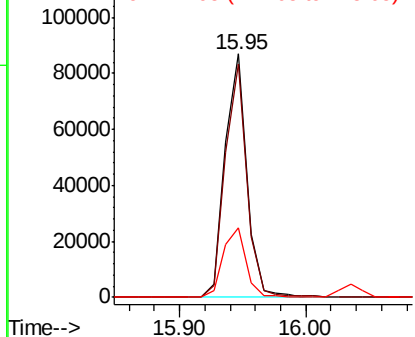
#93
 1,2,4-Trichlorobenzene
 Concen: 22.766 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 103618
 Ion Ratio Lower Upper
 180 100
 182 95.6 44.3 132.9
 145 28.3 16.4 49.1

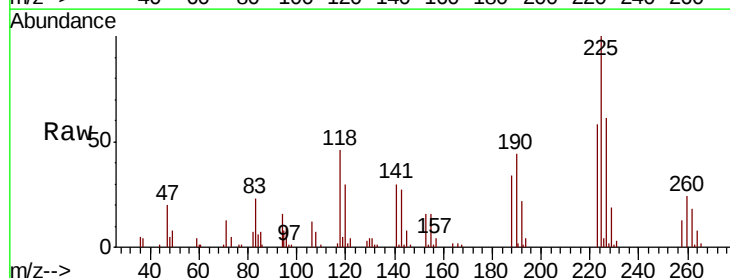


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

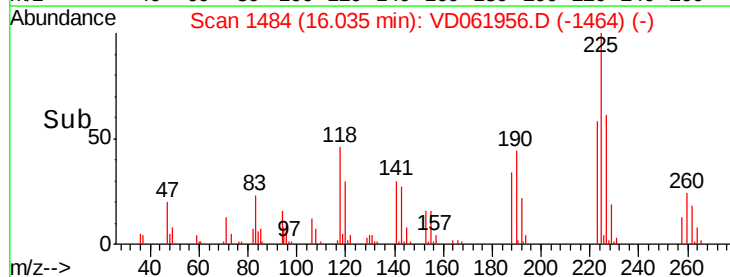
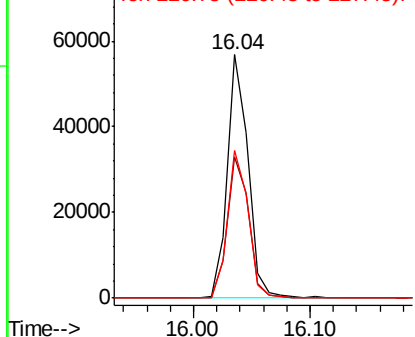


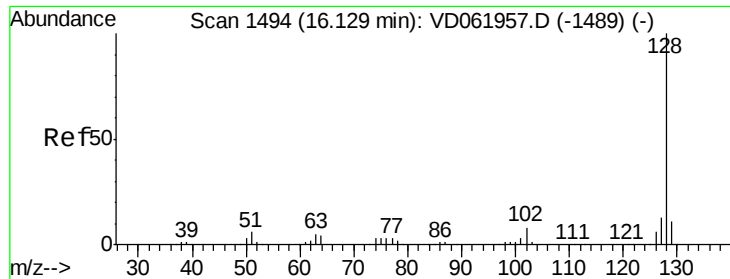
#94
 Hexachlorobutadiene
 Concen: 21.295 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061956.D
 Acq: 23 Apr 2019 00:45

Tgt Ion:225 Resp: 69899
 Ion Ratio Lower Upper
 225 100
 223 57.8 31.6 94.8
 227 60.8 31.9 95.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

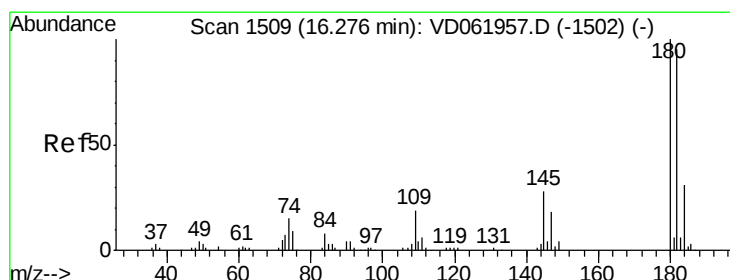
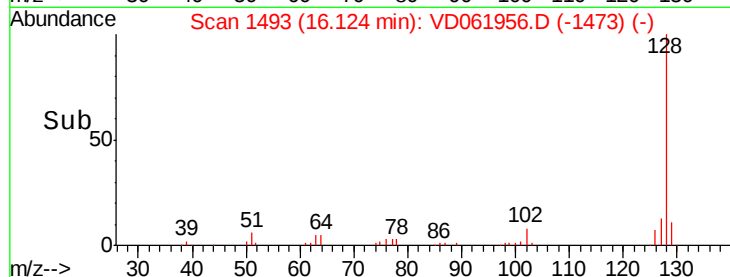
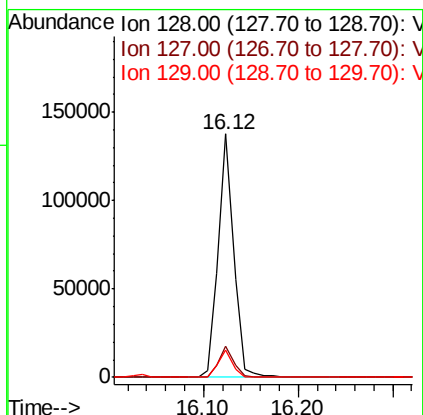
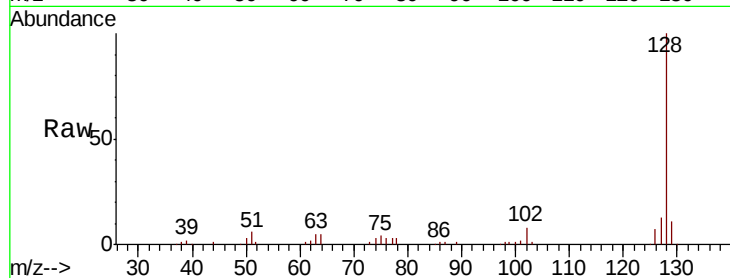




#95
Naphthalene
Concen: 22.669 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 157529
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.931 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061956.D
Acq: 23 Apr 2019 00:45

Tgt Ion:180 Resp: 53966
Ion Ratio Lower Upper
180 100
182 94.1 47.7 143.1
145 29.0 14.0 42.0

