

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064515.D
 Acq On : 13 Dec 2019 19:14
 Operator : VA/SY
 Sample : K6292-01
 Misc : 5.8G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11999

Quant Time: Dec 13 22:54:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	7314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	11489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	11208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	6198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	2226	33.62	ug/l	-0.01
Spiked Amount			Recovery	=	67.24%	
35) Dibromofluoromethane	7.93	113	3727	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
50) Toluene-d8	10.34	98	12665	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.64	95	5360	61.17	ug/l	0.00
Spiked Amount			Recovery	=	122.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	482	5.766	ug/l #	41
5) Bromomethane	2.80	94	813	11.391	ug/l #	71
6) Chloroethane	2.96	64	212	3.286	ug/l #	44
10) Methyl Iodide	4.30	142	478	6.580	ug/l #	40
12) 1,1-Dichloroethene	4.07	96	75	1.138	ug/l #	1
13) Acrolein	3.80	56	61	10.612	ug/l #	14
14) Allyl chloride	4.71	41	216	2.099	ug/l #	67
16) Acetone	4.16	43	807	60.322	ug/l #	47
17) Carbon Disulfide	4.41	76	558	2.672	ug/l #	73
18) Methyl Acetate	4.71	43	55	1.409	ug/l #	51
20) Methylene Chloride	4.97	84	1395	17.645	ug/l #	55
23) Vinyl Acetate	6.37	43	127	1.061	ug/l #	71
25) 2-Butanone	7.21	43	220	11.628	ug/l #	49
29) Tetrahydrofuran	7.56	42	113	9.388	ug/l #	33
30) Chloroform	7.71	83	313	2.474	ug/l	85
31) Cyclohexane	7.98	56	86	Below Cal	#	15
37) Ethyl Acetate	7.30	43	78	1.692	ug/l #	69
38) Carbon Tetrachloride	7.99	117	703	6.129	ug/l #	11
41) Methacrylonitrile	7.54	41	59	2.231	ug/l #	29
48) Methyl methacrylate	9.47	41	116	2.796	ug/l #	40
51) 4-Methyl-2-Pentanone	10.25	43	64	1.427	ug/l #	37
55) 1,1,2-Trichloroethane	10.80	97	69	1.237	ug/l #	15
59) 2-Hexanone	10.97	43	277	8.899	ug/l #	26
67) Ethyl Benzene	11.74	91	706	1.697	ug/l #	84
68) m/p-Xylenes	11.84	106	390	2.459	ug/l #	43
73) Isopropylbenzene	12.49	105	478	1.072	ug/l	76
74) N-amyl acetate	12.28	43	205	2.026	ug/l #	33
76) 1,2,3-Trichloropropane	12.64	75	2653	52.050	ug/l #	100
78) n-propylbenzene	12.83	91	850	1.653	ug/l #	66
80) 1,3,5-Trimethylbenzene	12.97	105	718	1.971	ug/l	66
81) trans-1,4-Dichloro-2-buten	12.64	75	2653	113.496	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.27	105	1456	3.975	ug/l #	63
87) 1,3-Dichlorobenzene	13.60	146	238	1.139	ug/l	89
88) 1,4-Dichlorobenzene	13.60	146	238	1.154	ug/l	89

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QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

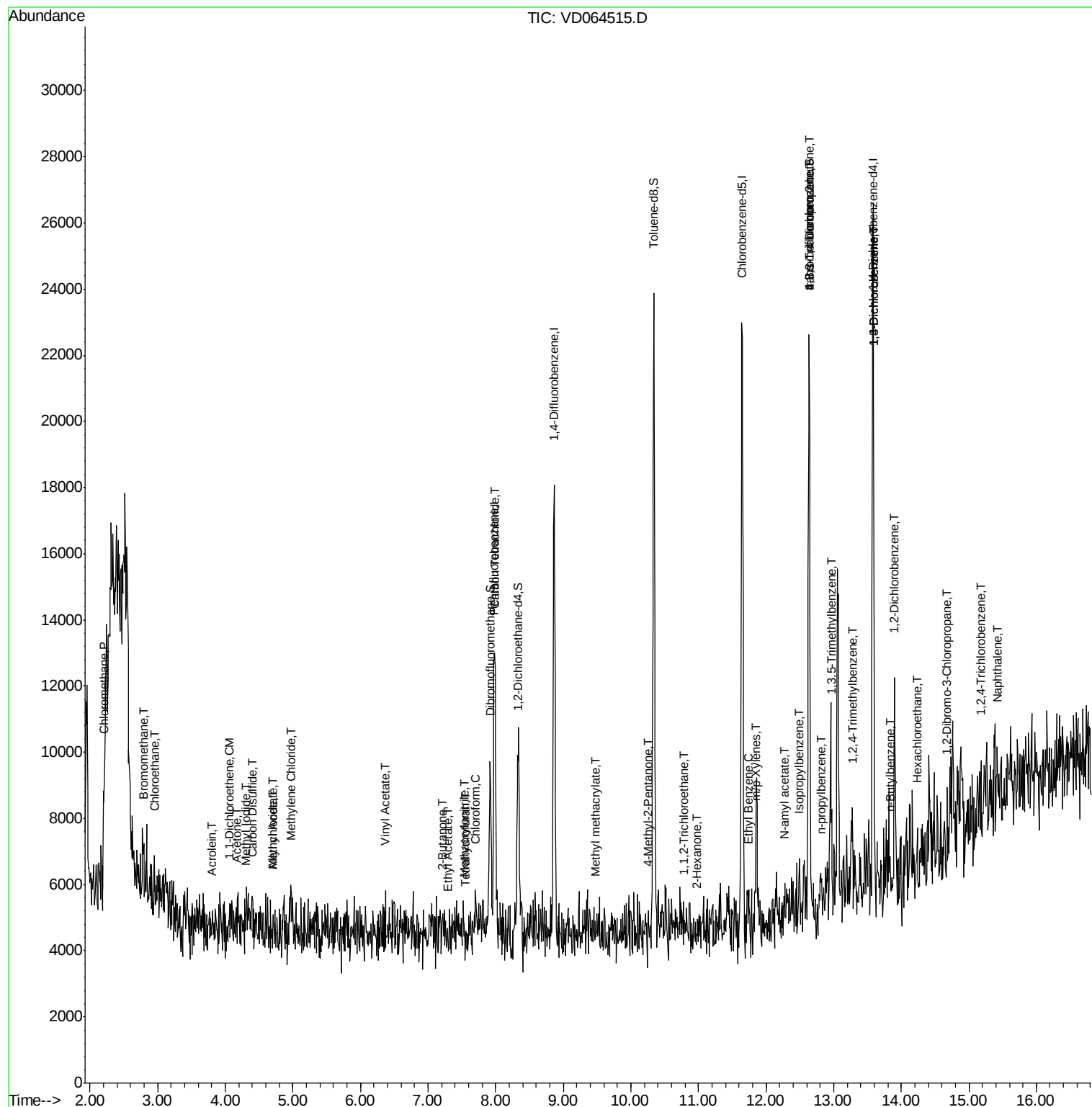
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.84	91	710	1.905	ug/l #	49
90) Hexachloroethane	14.23	117	160	2.085	ug/l #	5
91) 1,2-Dichlorobenzene	13.90	146	211	1.182	ug/l #	67
92) 1,2-Dibromo-3-Chloropropan	14.66	75	74	2.562	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.18	180	156	1.141	ug/l #	41
95) Naphthalene	15.41	128	1300	5.696	ug/l #	75

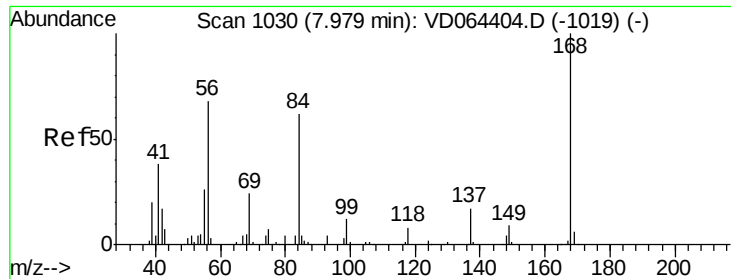
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

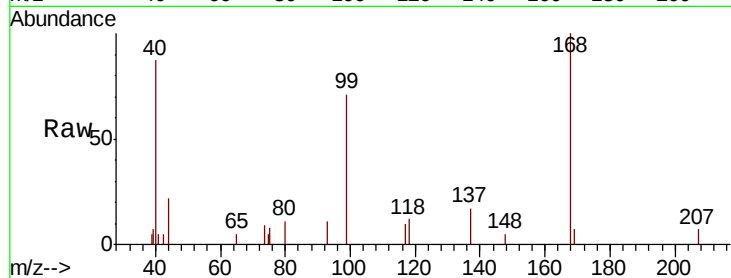
72-11999

Tot Ion:168 Resp: 7314

Ion Ratio Lower Upper

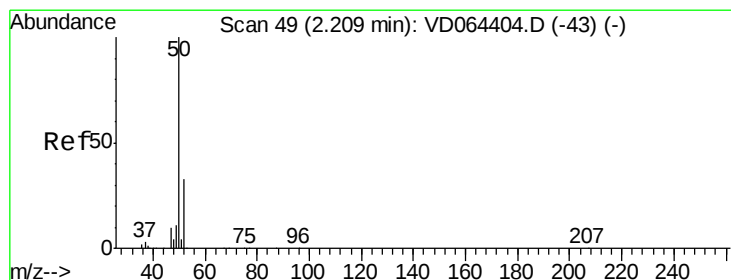
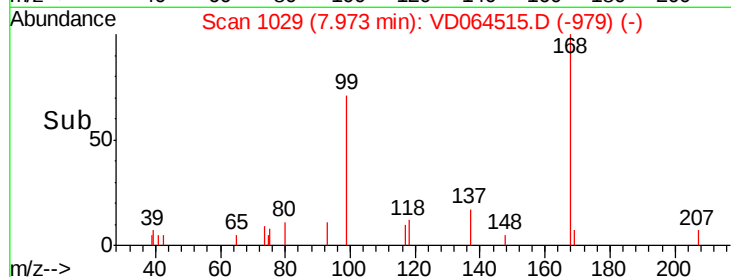
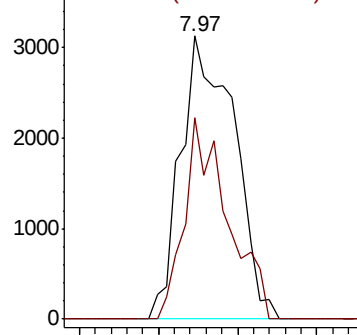
168 100

99 71.1 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 5.766 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064515.D

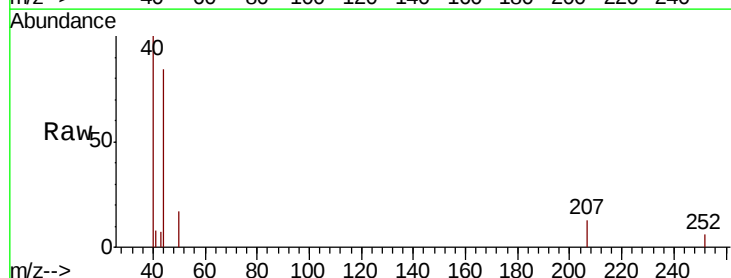
Acq: 13 Dec 2019 19:14

Tgt Ion: 50 Resp: 482

Ion Ratio Lower Upper

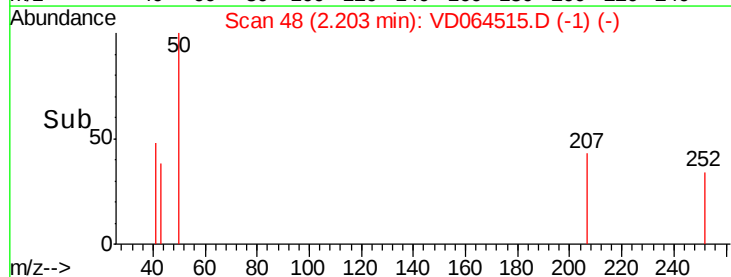
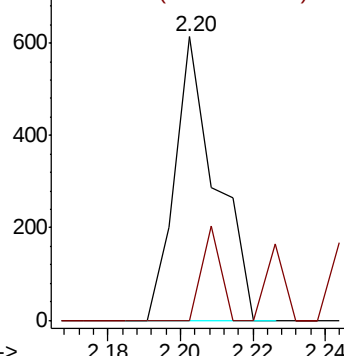
50 100

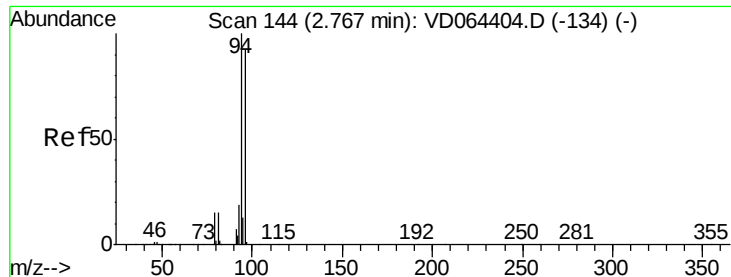
52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 11.391 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

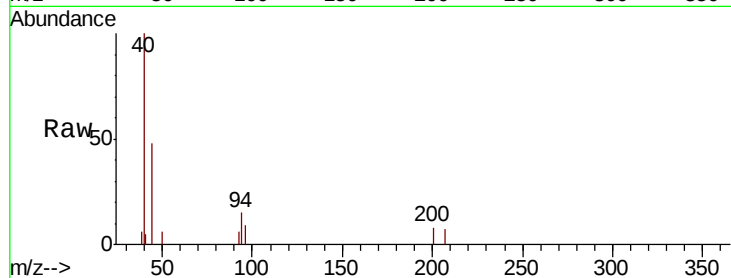
72-11999

Tot Ion: 94 Resp: 813

Ion Ratio Lower Upper

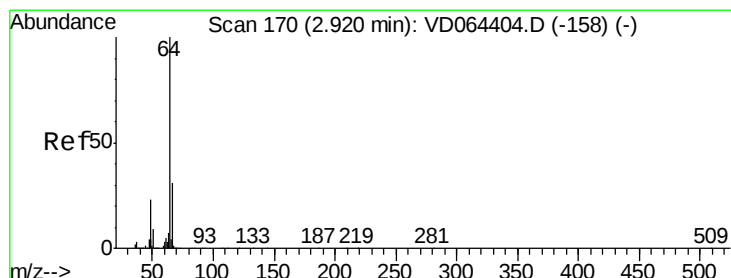
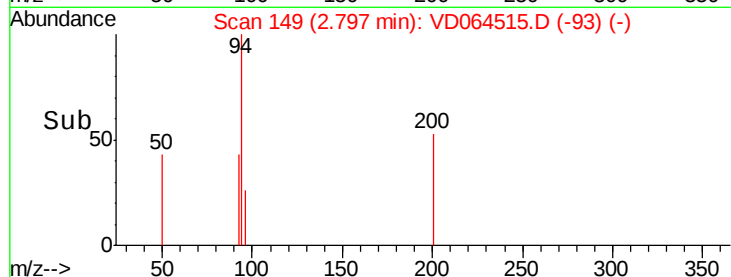
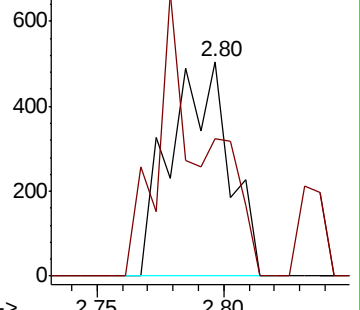
94 100

96 64.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 3.286 ug/l

RT: 2.96 min Scan# 177

Delta R.T. 0.04 min

Lab File: VD064515.D

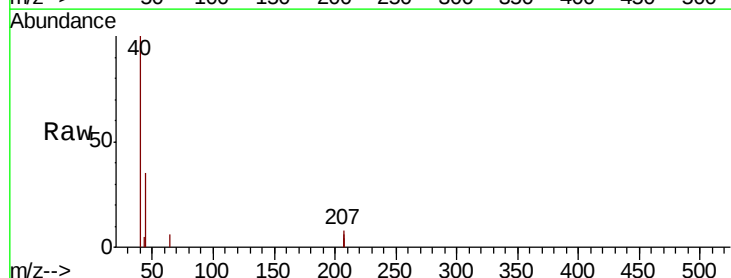
Acq: 13 Dec 2019 19:14

Tgt Ion: 64 Resp: 212

Ion Ratio Lower Upper

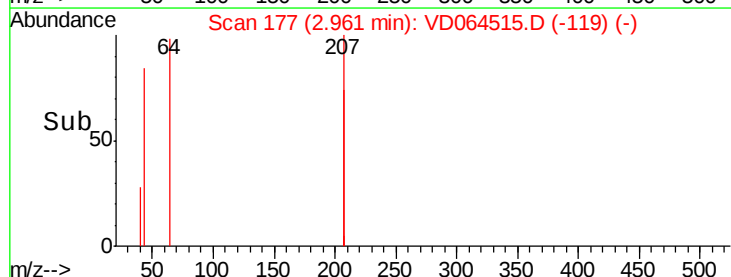
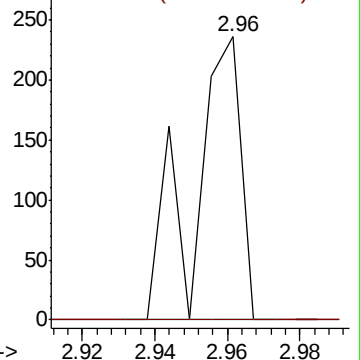
64 100

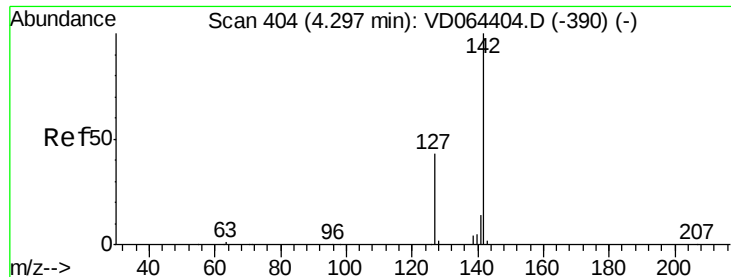
66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

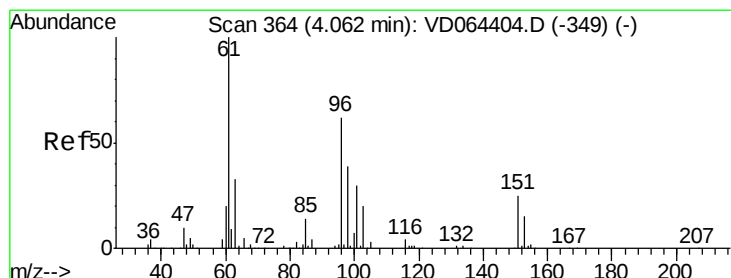
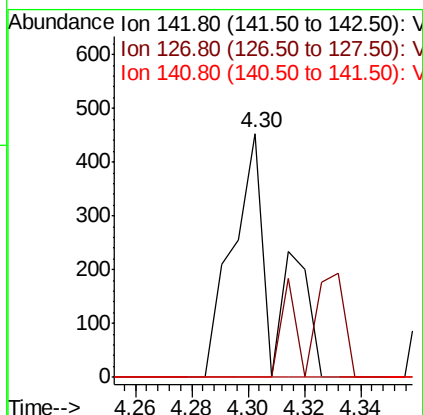
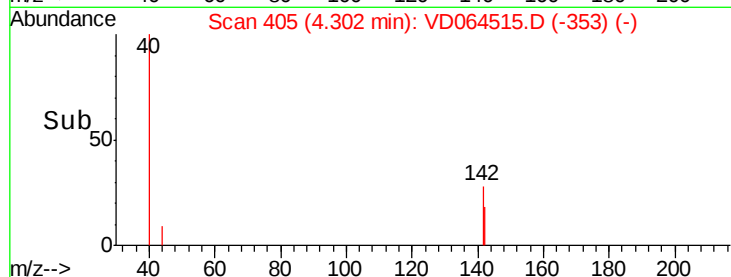
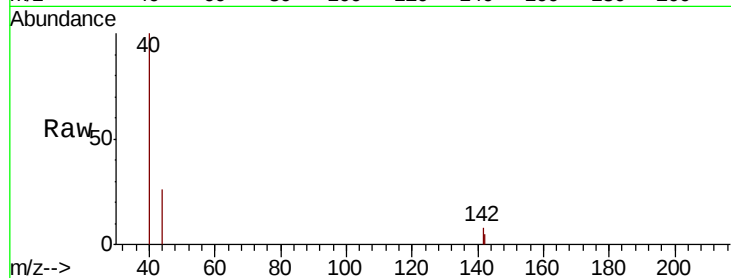




#10
Methyl Iodide
Concen: 6.580 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

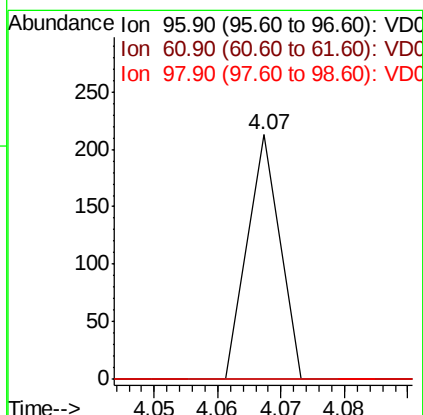
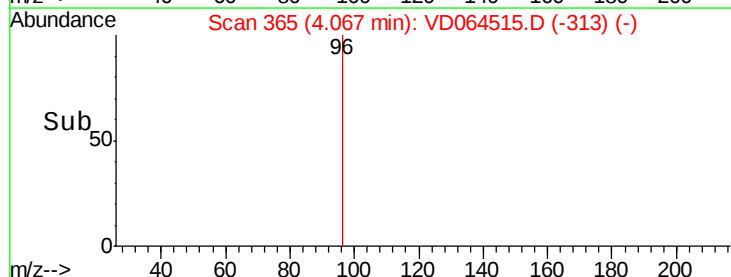
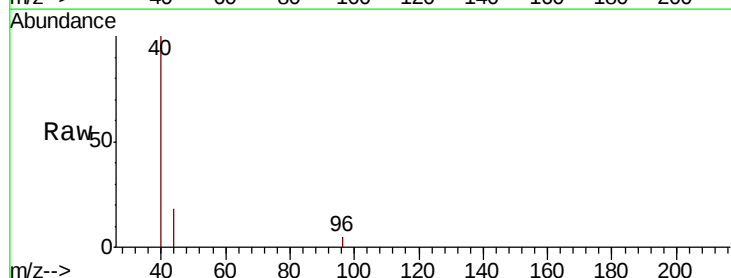
Instrument :
MSVOA_D
ClientSampled :
72-11999

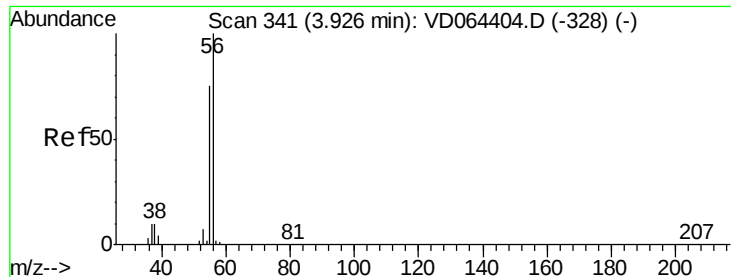
Tot Ion:142 Resp: 478
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.6 17.4#



#12
1,1-Dichloroethene
Concen: 1.138 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Tgt Ion: 96 Resp: 75
Ion Ratio Lower Upper
96 100
61 0.0 128.2 192.4#
98 0.0 50.4 75.6#





#13

Acrolein

Concen: 10.612 ug/l

RT: 3.80 min Scan# 320

Delta R.T. -0.12 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

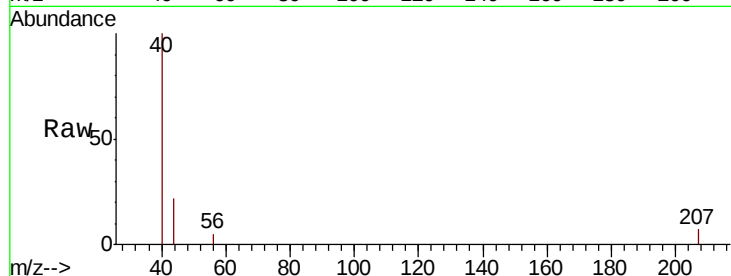
72-11999

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.80

150

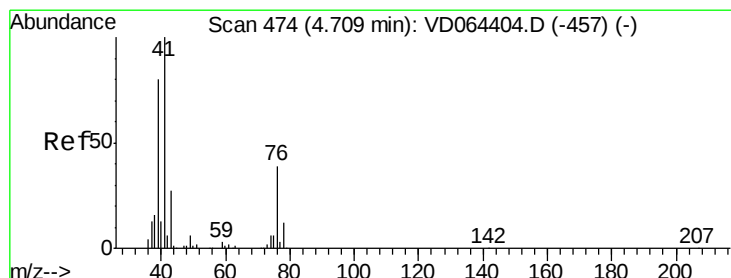
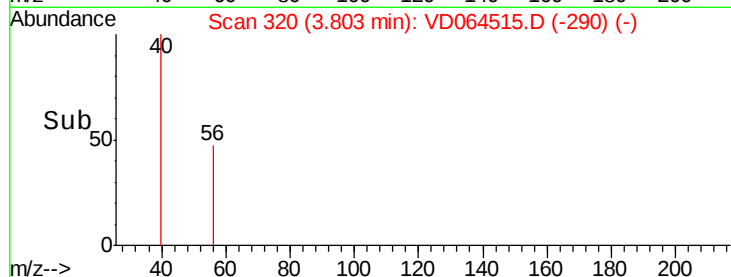
100

50

0

3.78 3.79 3.80 3.81 3.82

Time-->



#14

Allyl chloride

Concen: 2.099 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

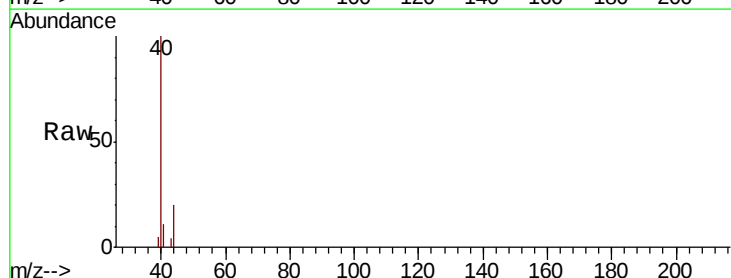
Tgt Ion: 41 Resp: 216

Ion Ratio Lower Upper

41 100

39 60.6 62.1 93.1#

76 0.0 29.8 44.8#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

500

400

300

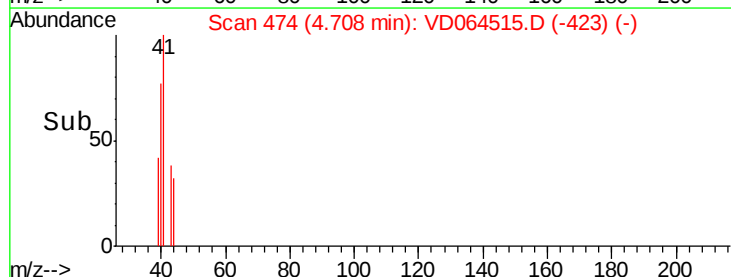
200

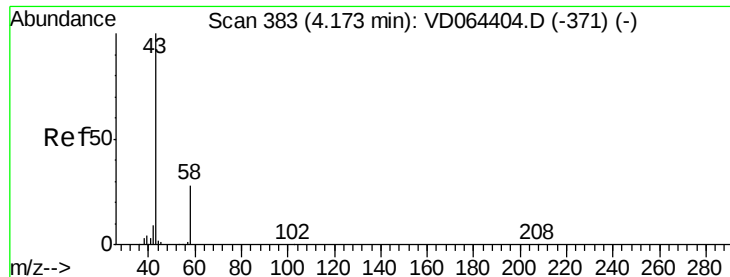
100

0

4.70 4.72

Time-->





#16

Acetone

Concen: 60.322 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

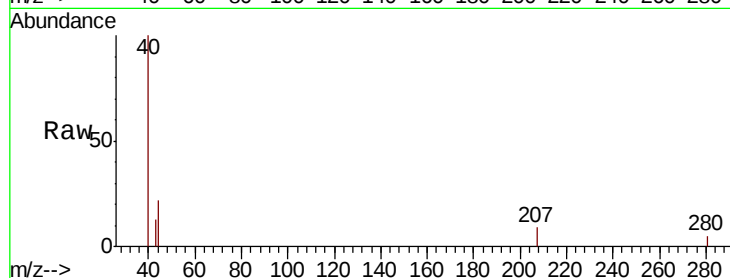
72-11999

Tot Ion: 43 Resp: 807

Ion Ratio Lower Upper

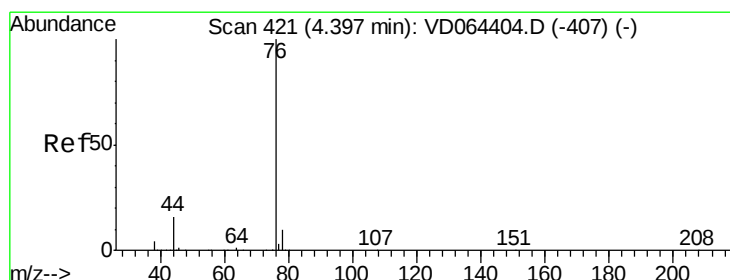
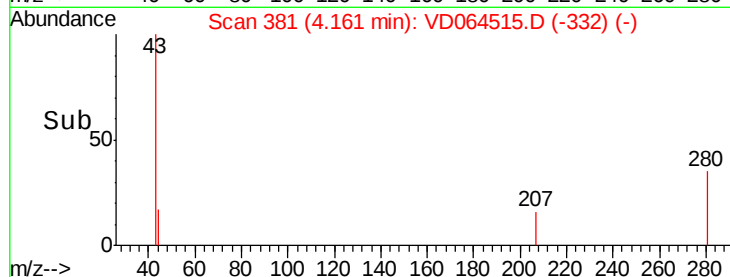
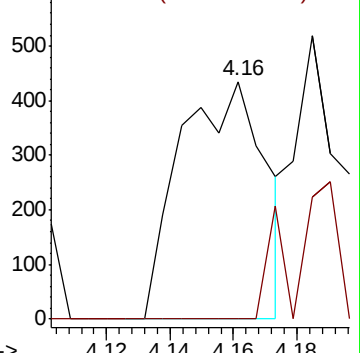
43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 2.672 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064515.D

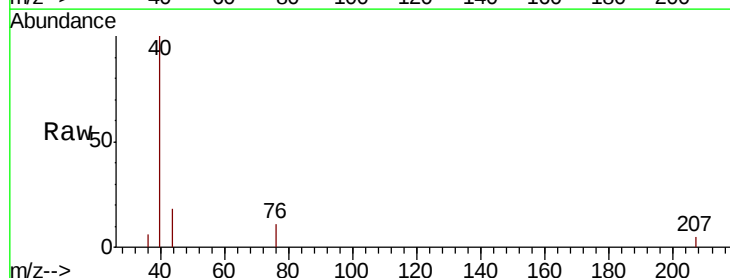
Acq: 13 Dec 2019 19:14

Tgt Ion: 76 Resp: 558

Ion Ratio Lower Upper

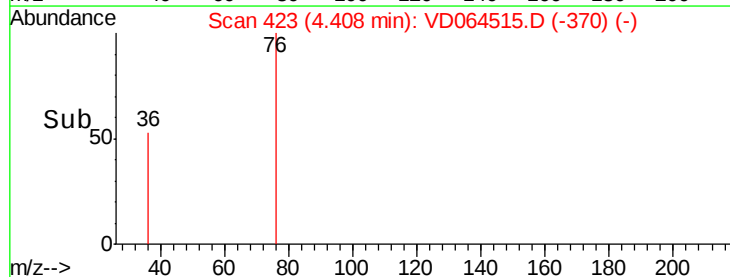
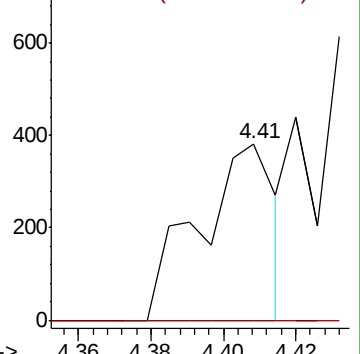
76 100

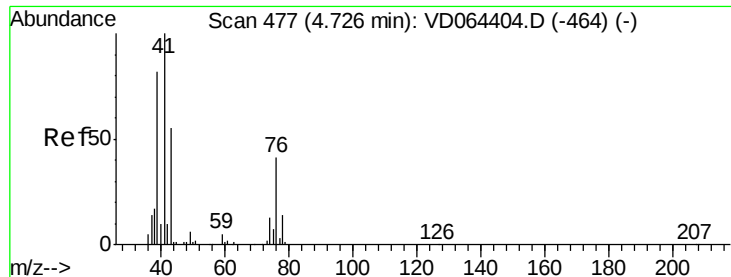
78 0.0 7.8 11.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#18

Methyl Acetate

Concen: 1.409 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.02 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

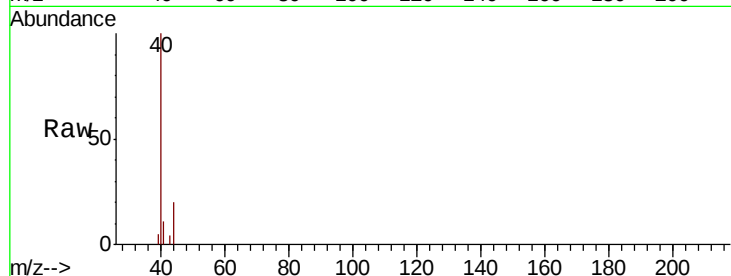
72-11999

Tot Ion: 43 Resp: 55

Ion Ratio Lower Upper

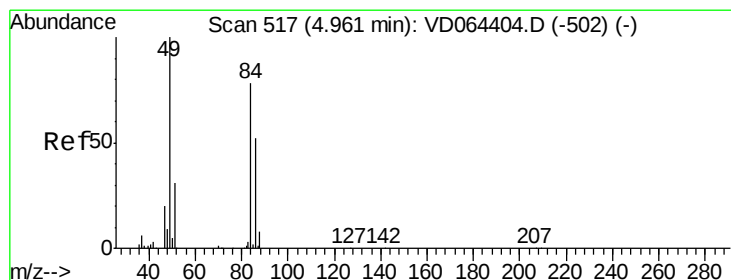
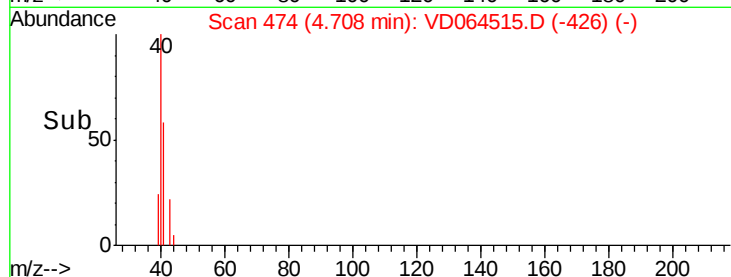
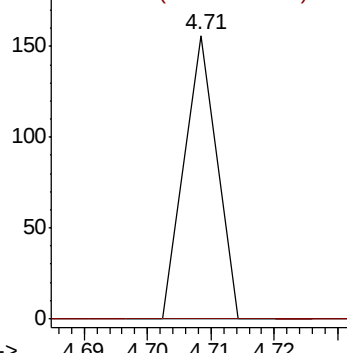
43 100

74 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 17.645 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Tgt Ion: 84 Resp: 1395

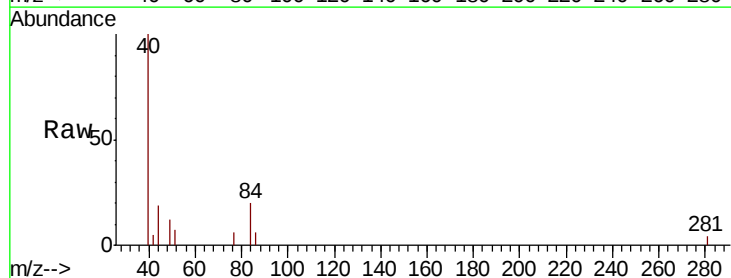
Ion Ratio Lower Upper

84 100

49 63.3 102.6 153.8#

51 36.7 32.0 48.0

86 28.0 53.4 80.0#

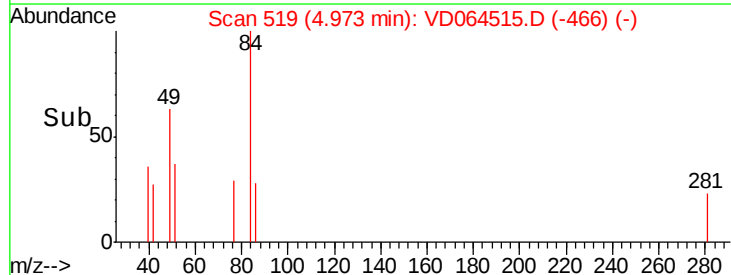
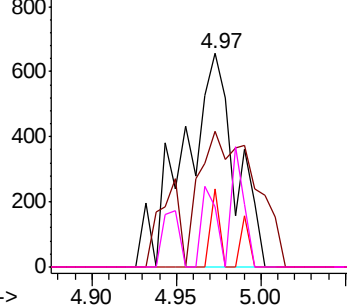


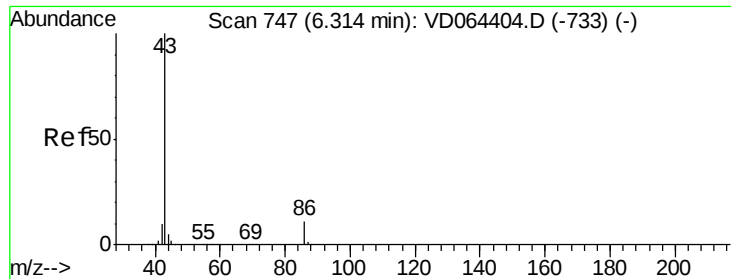
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#23

Vinyl Acetate

Concen: 1.061 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.06 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

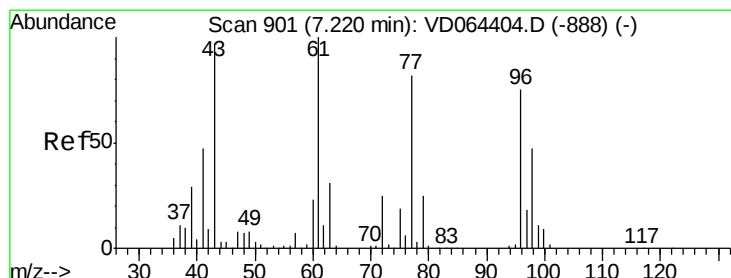
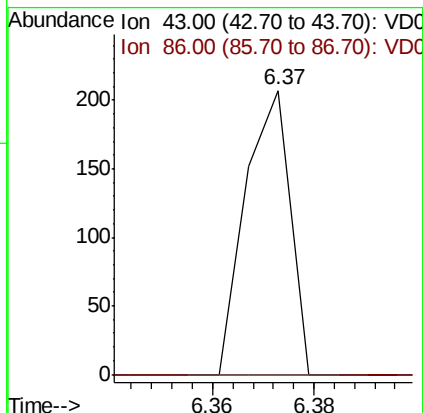
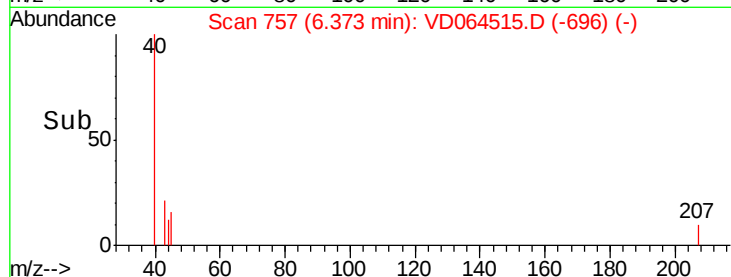
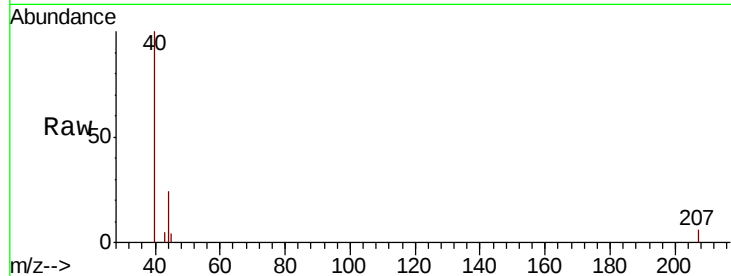
72-11999

Tot Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



#25

2-Butanone

Concen: 11.628 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064515.D

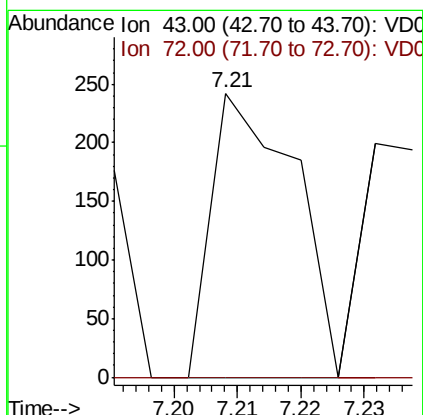
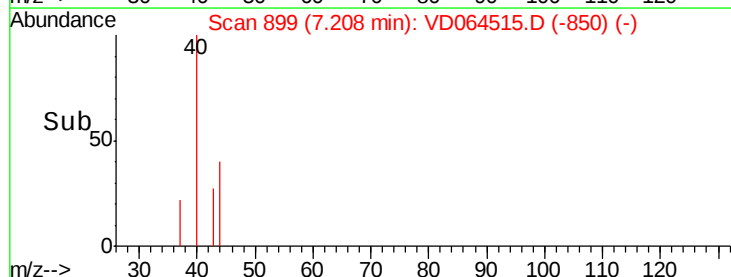
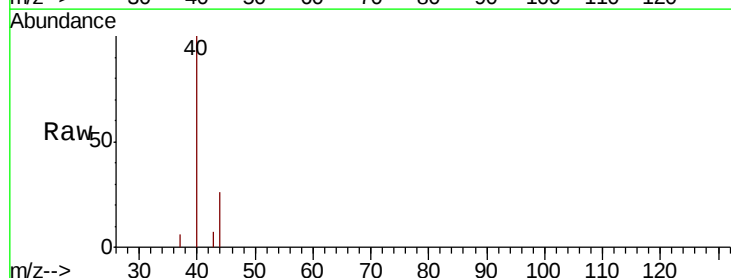
Acq: 13 Dec 2019 19:14

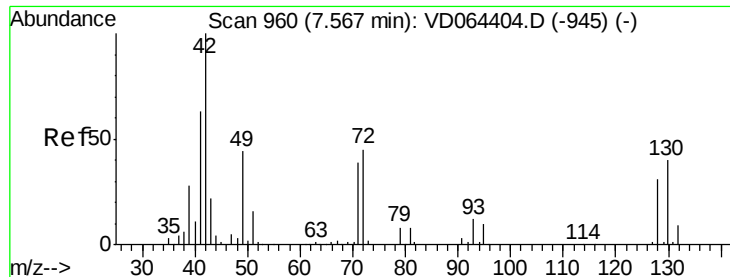
Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#





#29

Tetrahydrofuran

Concen: 9.388 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

72-11999

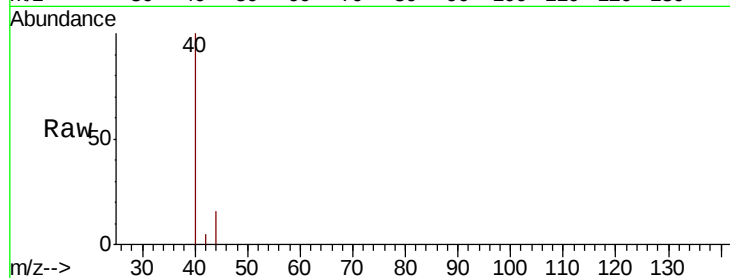
Tot Ion: 42 Resp: 113

Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.8#

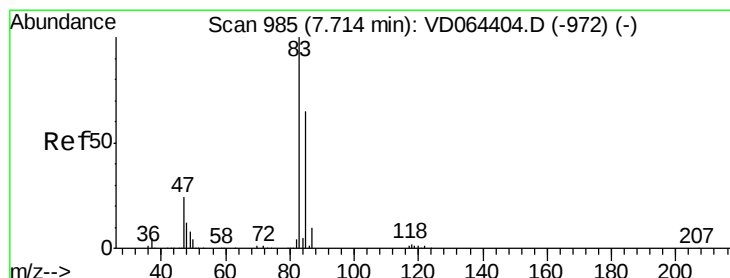
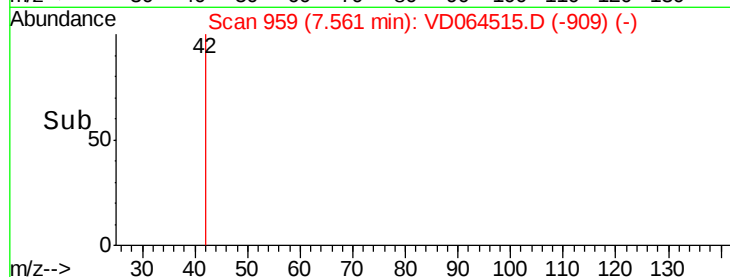
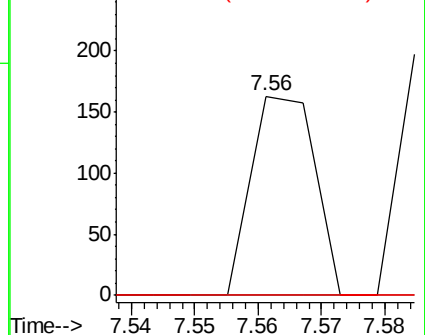
71 0.0 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 2.474 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064515.D

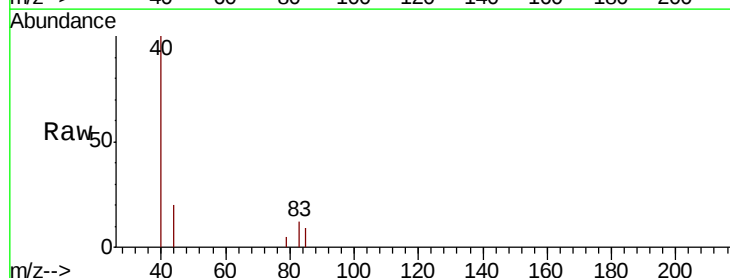
Acq: 13 Dec 2019 19:14

Tgt Ion: 83 Resp: 313

Ion Ratio Lower Upper

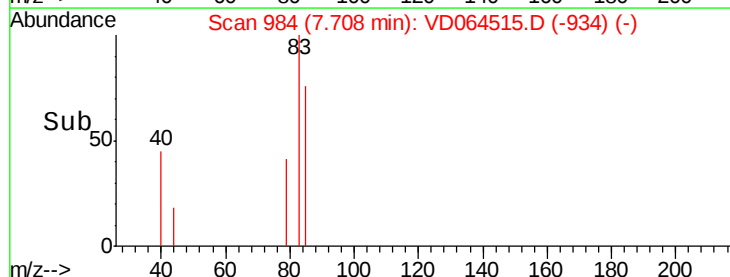
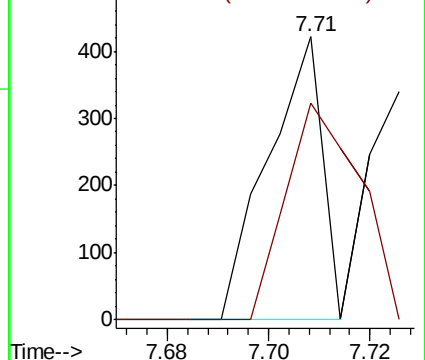
83 100

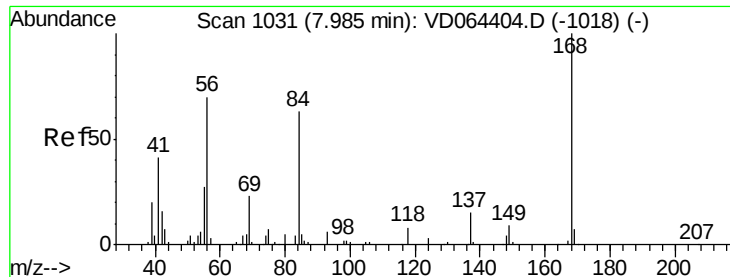
85 76.3 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

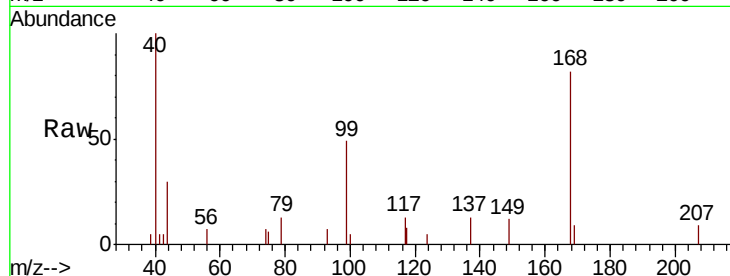




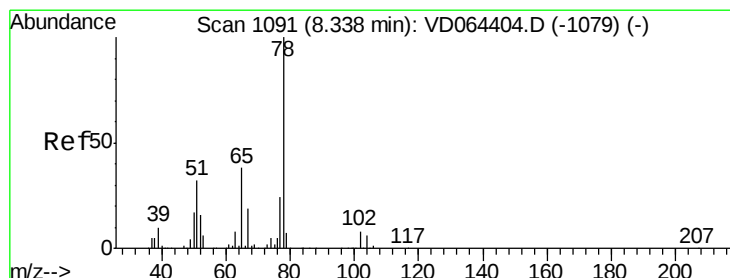
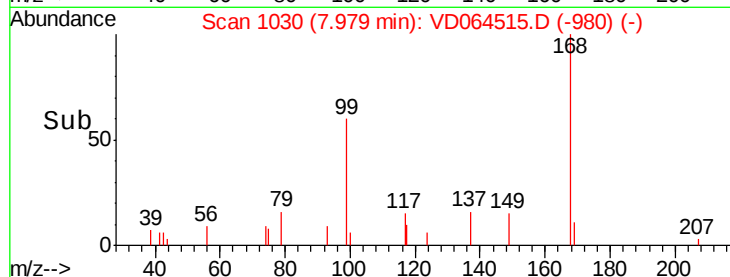
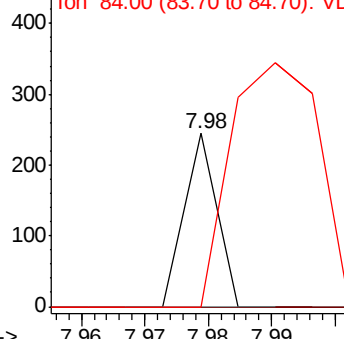
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
72-11999

Tot Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
69 0.0 26.2 39.4#
84 0.0 70.3 105.5#

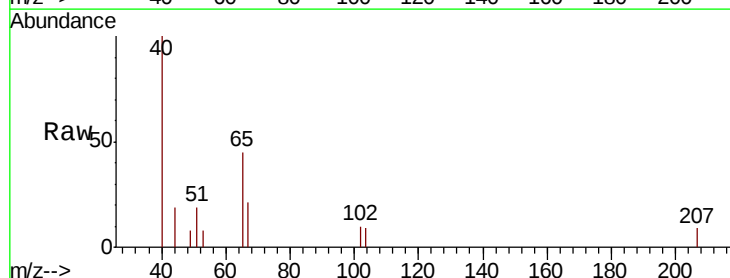


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

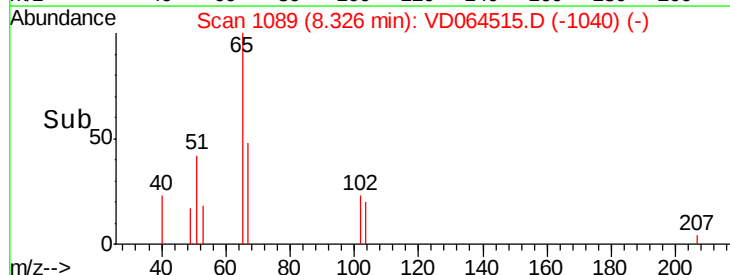
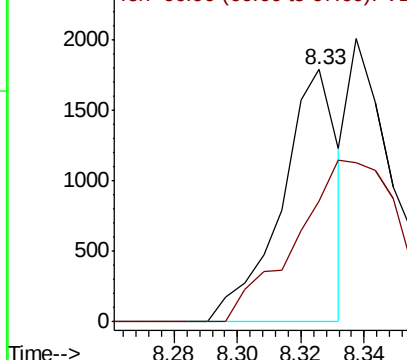


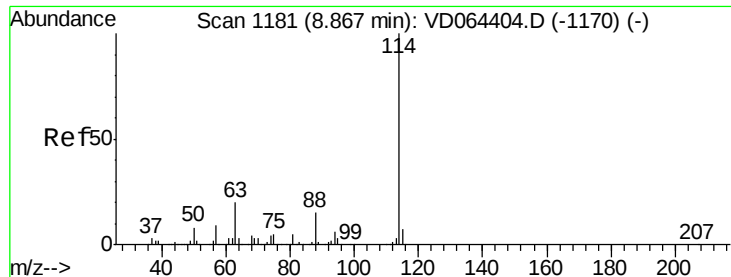
#33
1,2-Dichloroethane-d4
Concen: 33.624 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Tgt Ion: 65 Resp: 2226
Ion Ratio Lower Upper
65 100
67 117.3 0.0 102.0#



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

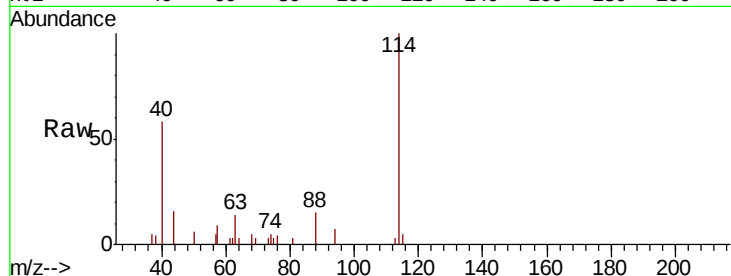




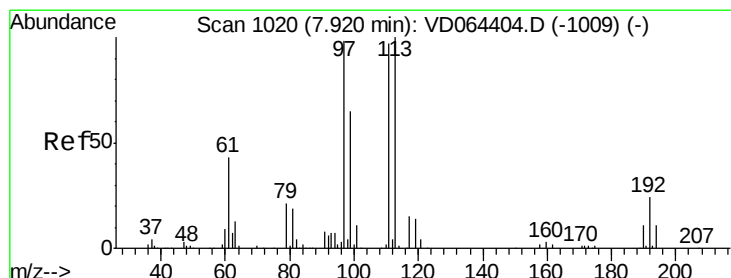
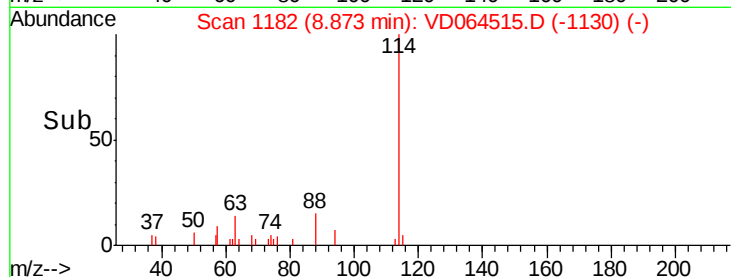
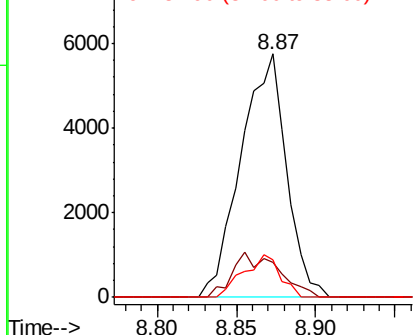
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
72-11999

Tot Ion:114 Resp: 11489
Ion Ratio Lower Upper
114 100
63 14.3 0.0 40.0
88 15.4 0.0 29.2

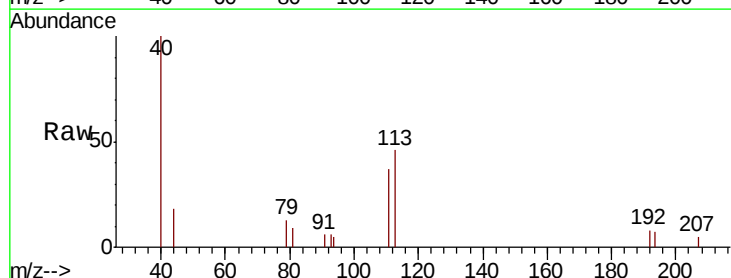


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

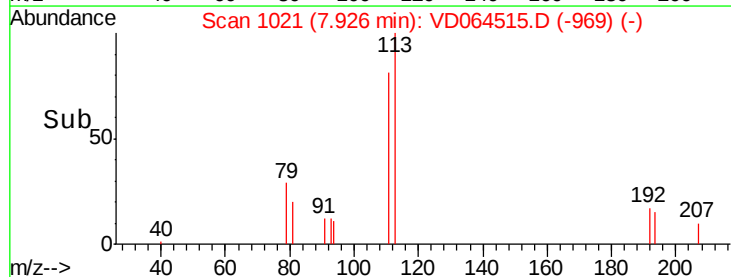
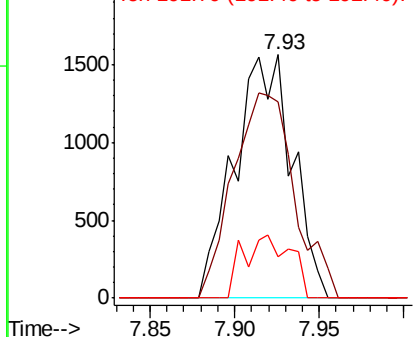


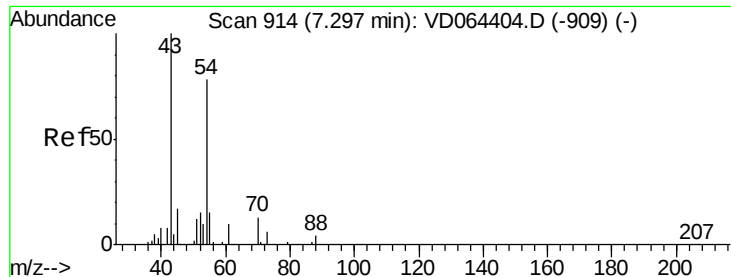
#35
Dibromofluoromethane
Concen: 51.487 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Tgt Ion:113 Resp: 3727
Ion Ratio Lower Upper
113 100
111 89.2 79.4 119.2
192 21.2 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#37

Ethyl Acetate

Concen: 1.692 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

72-11999

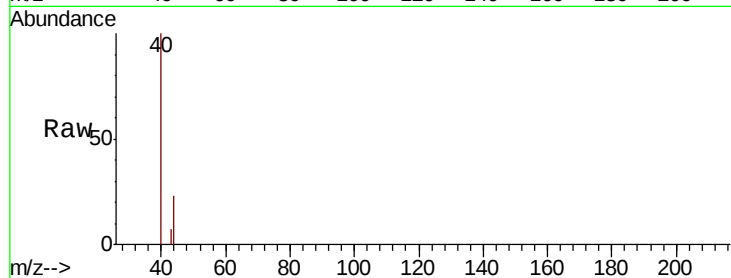
Tot Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

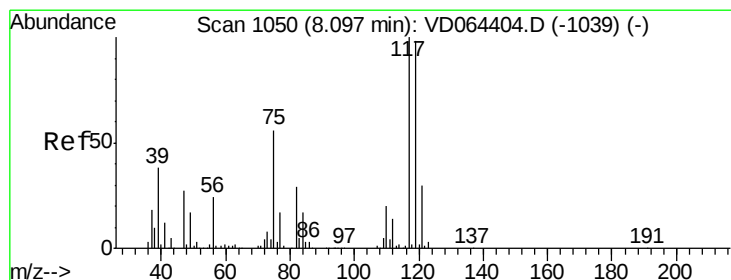
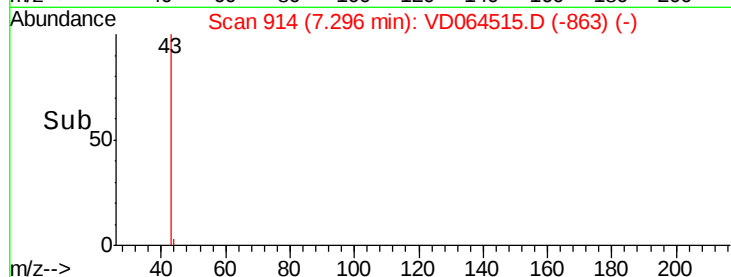
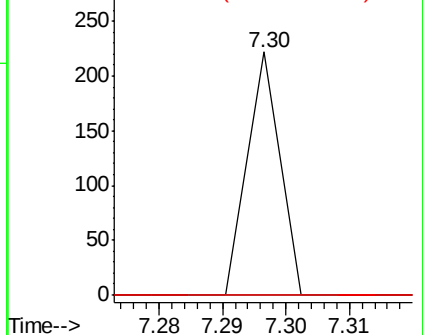
70 0.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

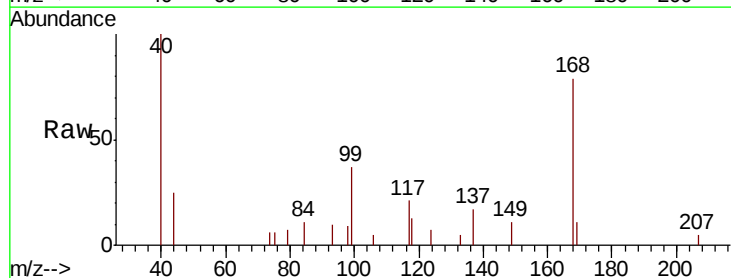
Tgt Ion: 117 Resp: 703

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

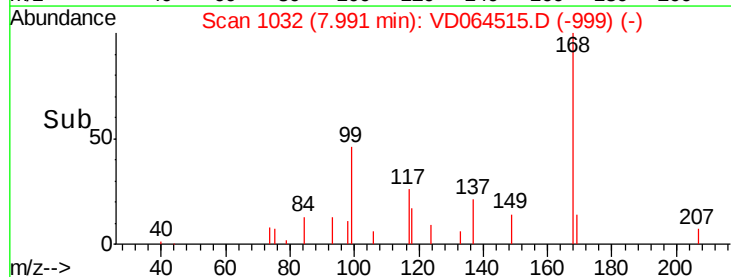
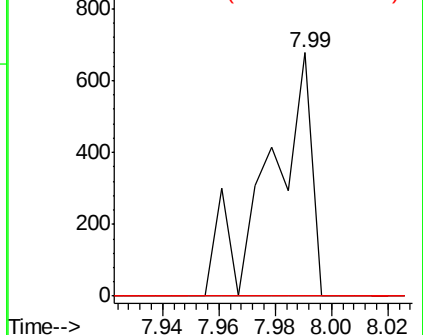
121 0.0 24.2 36.2#

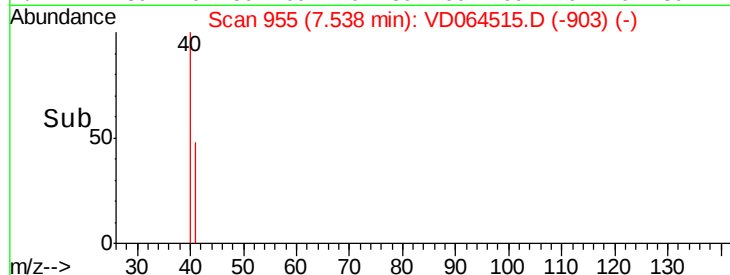
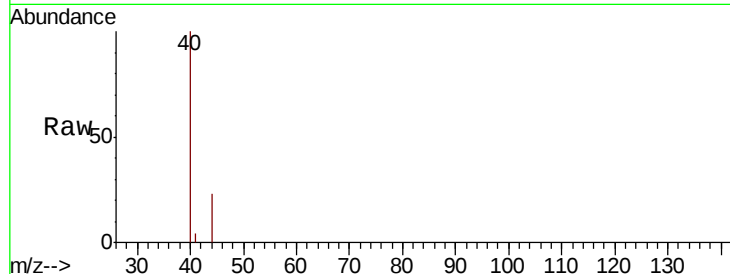
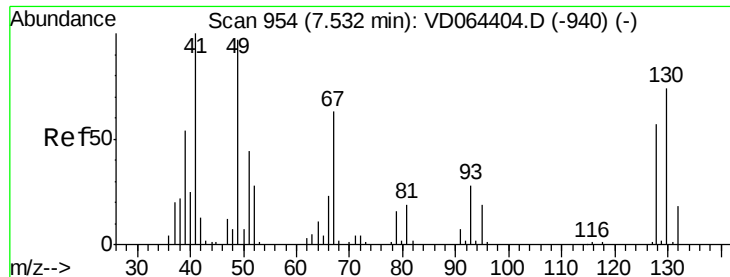


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

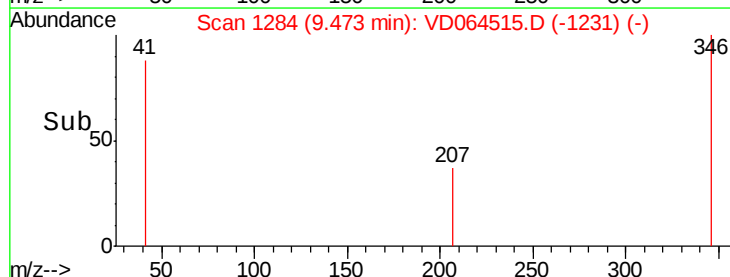
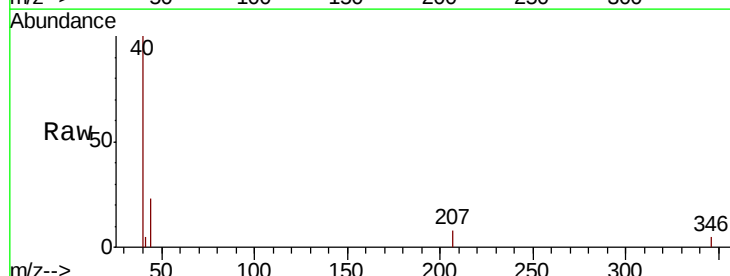
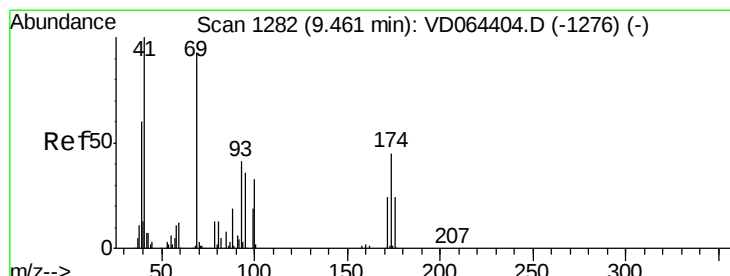
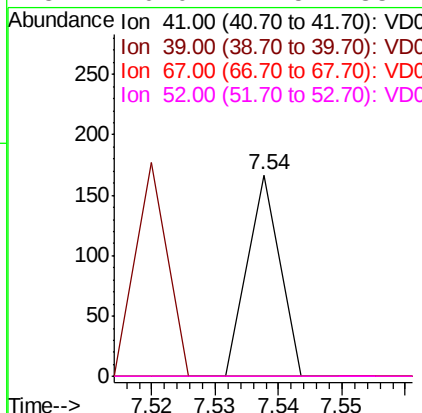




#41
Methacrylonitrile
Concen: 2.231 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

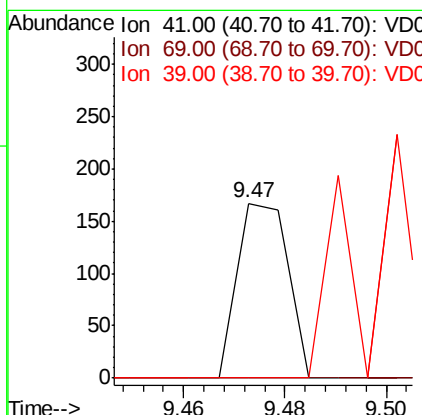
Instrument :
MSVOA_D
ClientSampled :
72-11999

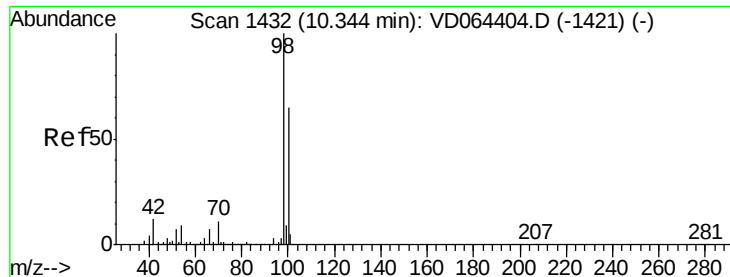
Tot Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
39	105.1	44.6	67.0#
67	0.0	50.9	76.3#
52	0.0	22.5	33.7#



#48
Methyl methacrylate
Concen: 2.796 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Tgt Ion:	41	Resp:	116
Ion	Ratio	Lower	Upper
41	100		
69	0.0	72.0	108.0#
39	58.6	55.2	82.8





#50

Toluene-d8

Concen: 46.448 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

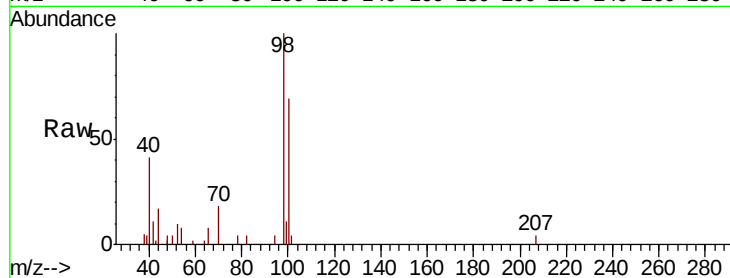
72-11999

Tot Ion: 98 Resp: 12665

Ion Ratio Lower Upper

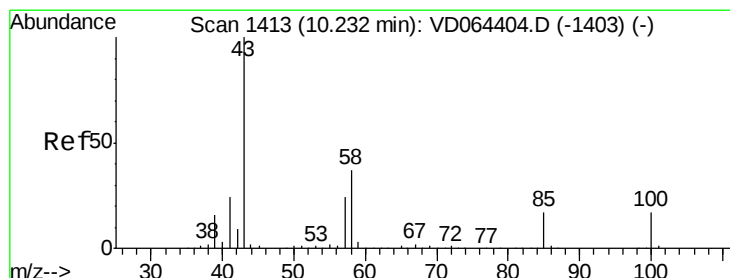
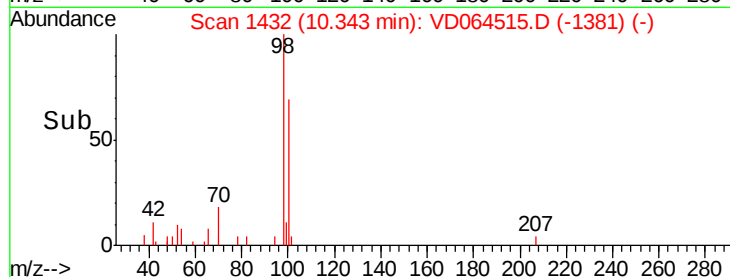
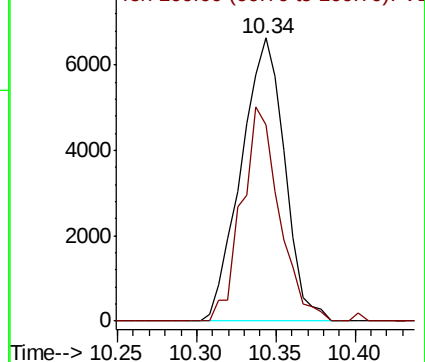
98 100

100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.427 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.02 min

Lab File: VD064515.D

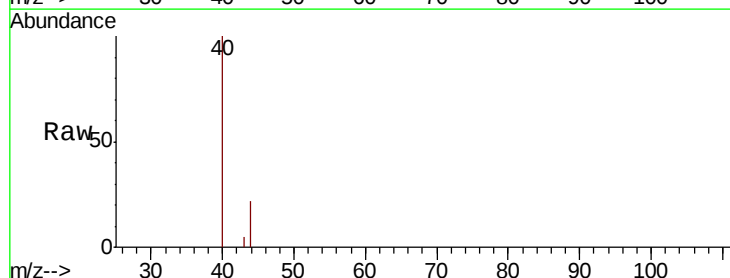
Acq: 13 Dec 2019 19:14

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

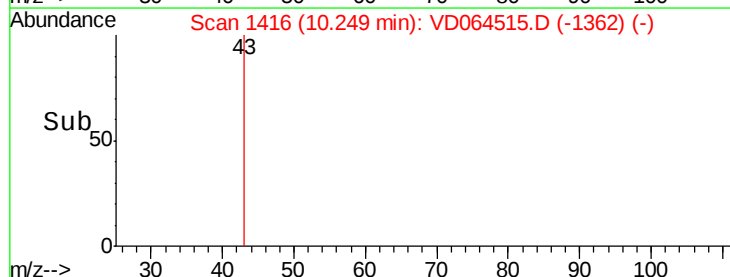
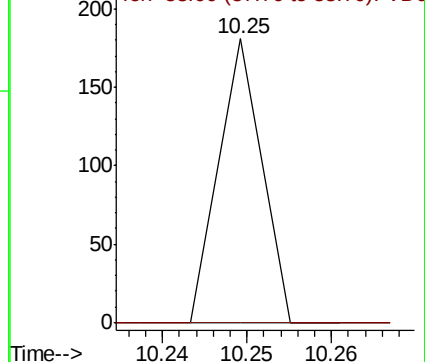
43 100

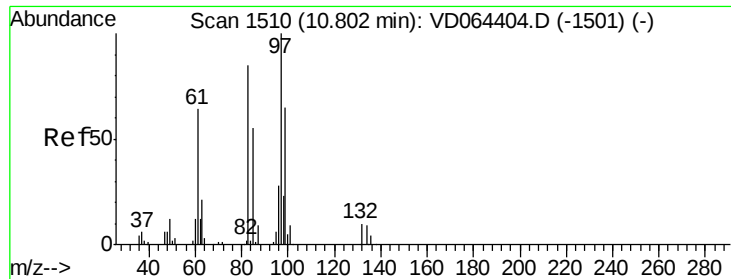
58 0.0 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#55

1,1,2-Trichloroethane

Concen: 1.237 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

72-11999

Tot Ion: 97 Resp: 69

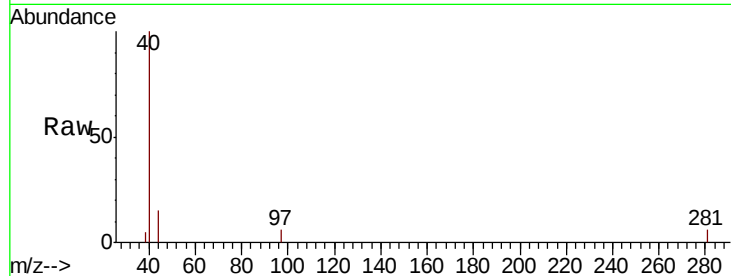
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.8#

85 0.0 43.7 65.5#

99 0.0 51.7 77.5#

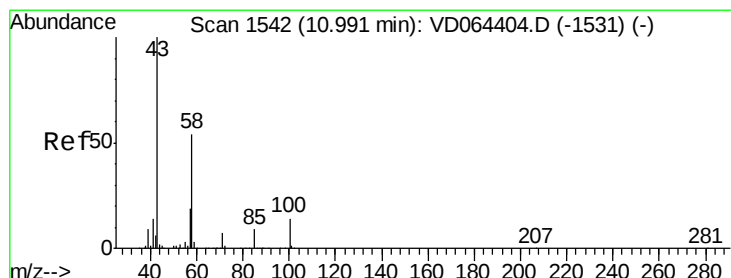
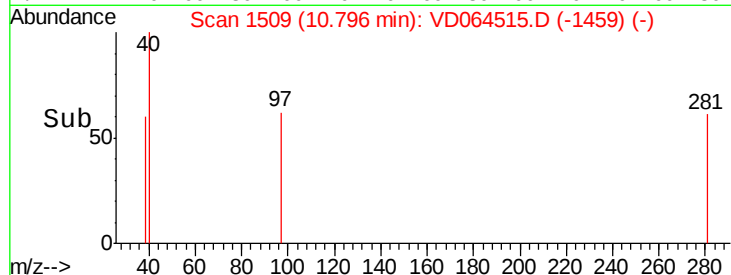
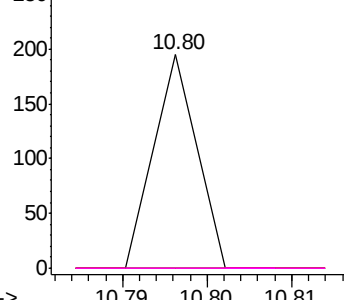


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#59

2-Hexanone

Concen: 8.899 ug/l

RT: 10.97 min Scan# 1539

Delta R.T. -0.02 min

Lab File: VD064515.D

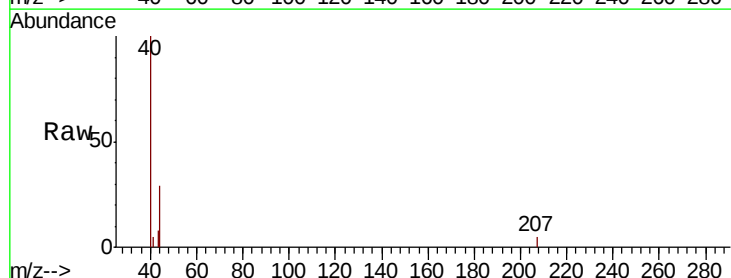
Acq: 13 Dec 2019 19:14

Tgt Ion: 43 Resp: 277

Ion Ratio Lower Upper

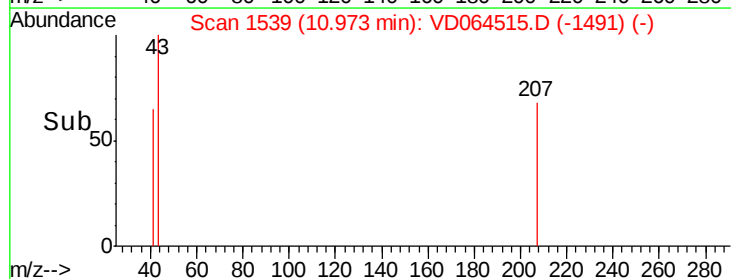
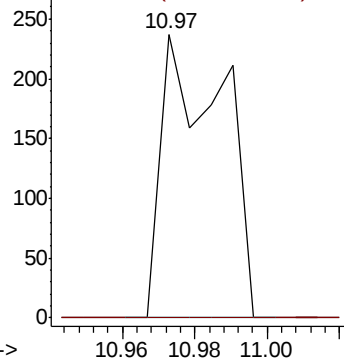
43 100

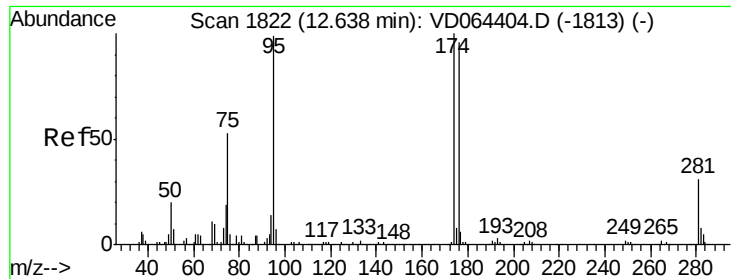
58 0.0 26.3 78.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

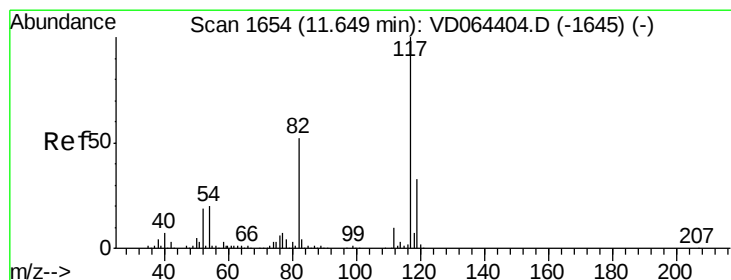
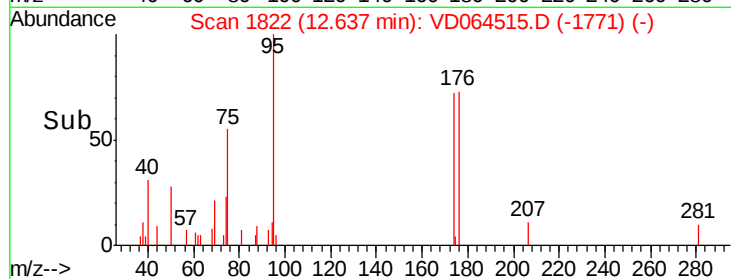
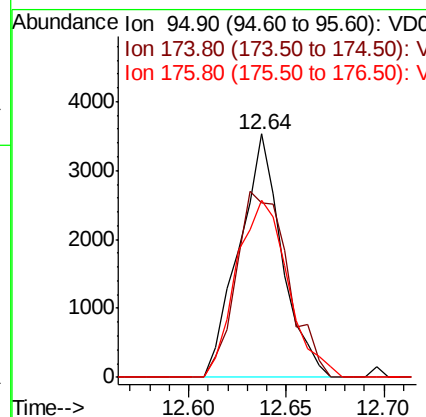
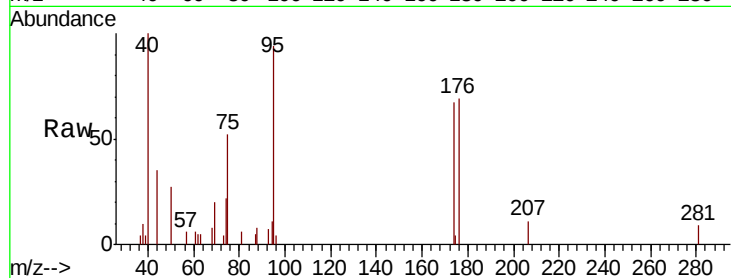




#62
4-Bromofluorobenzene
Concen: 61.167 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

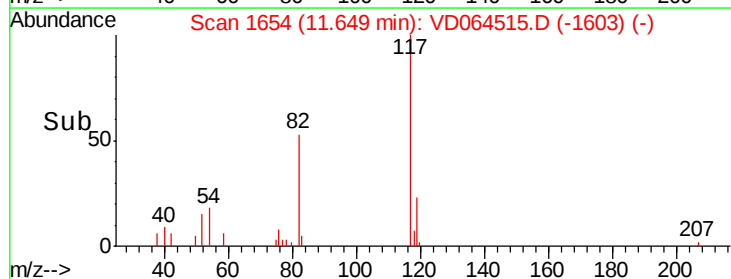
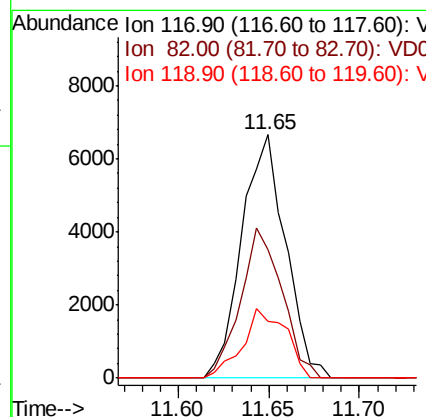
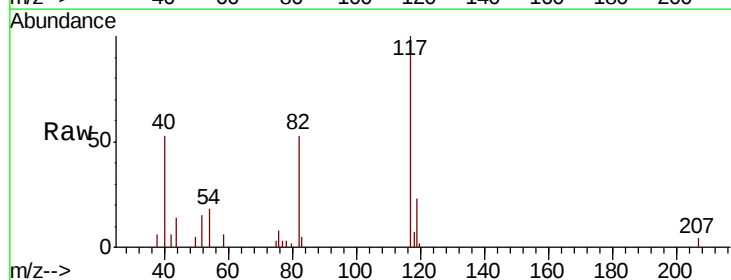
Instrument :
MSVOA_D
ClientSampleId :
72-11999

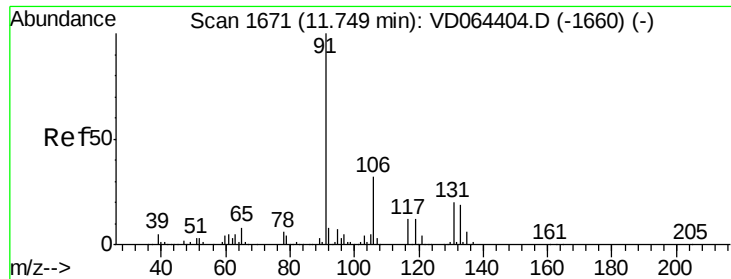
Tot Ion: 95 Resp: 5360
Ion Ratio Lower Upper
95 100
174 92.4 0.0 197.2
176 88.0 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Tgt Ion: 117 Resp: 11208
Ion Ratio Lower Upper
117 100
82 52.8 41.4 62.2
119 23.5 26.2 39.2#

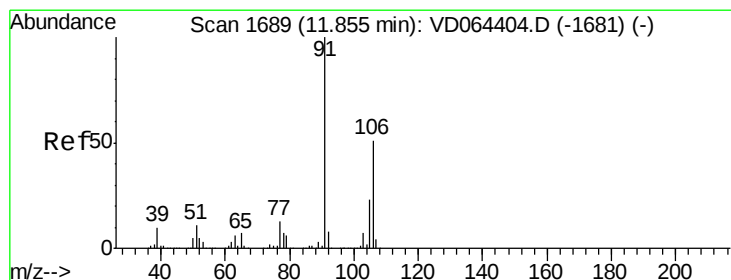
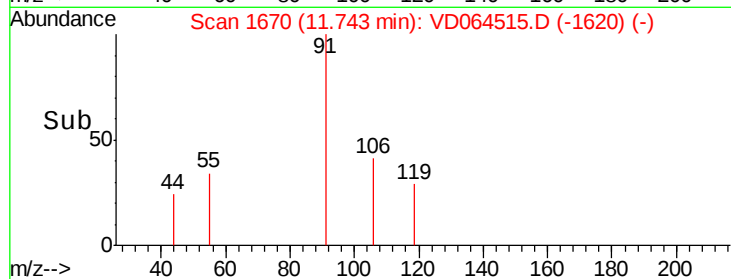
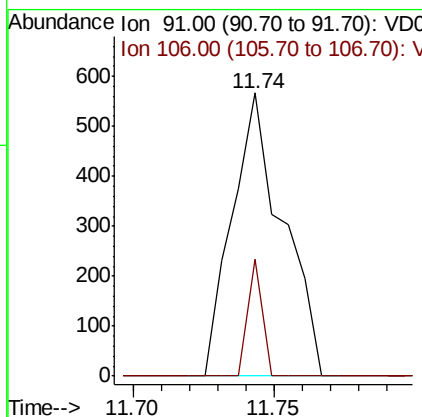
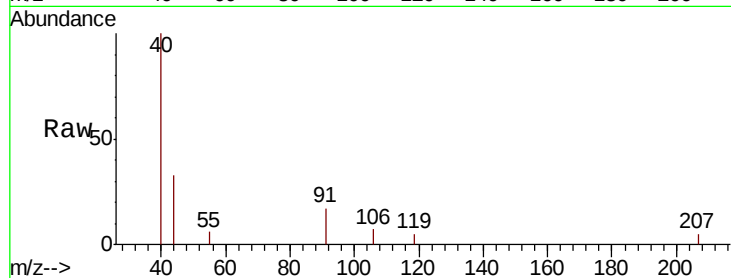




#67
Ethyl Benzene
Concen: 1.697 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

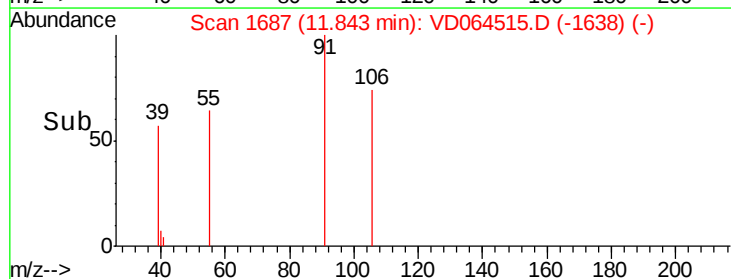
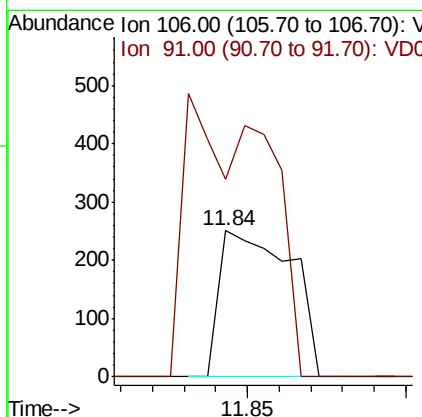
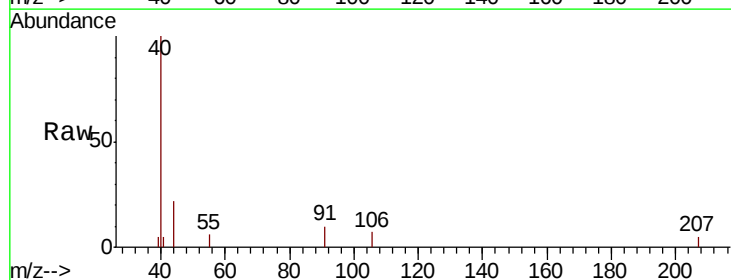
Instrument :
MSVOA_D
ClientSampleId :
72-11999

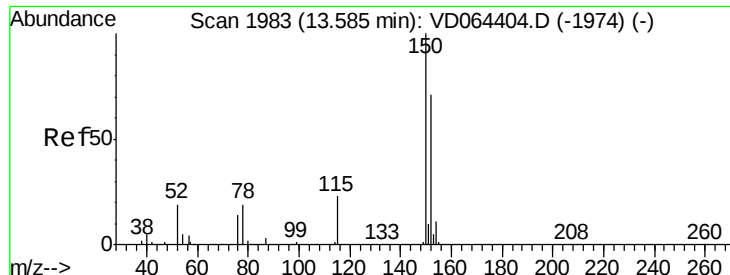
Tot Ion: 91 Resp: 706
Ion Ratio Lower Upper
91 100
106 41.3 25.8 38.8#



#68
m/p-Xylenes
Concen: 2.459 ug/l
RT: 11.84 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Tgt Ion: 106 Resp: 390
Ion Ratio Lower Upper
106 100
91 111.8 157.4 236.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

72-11999

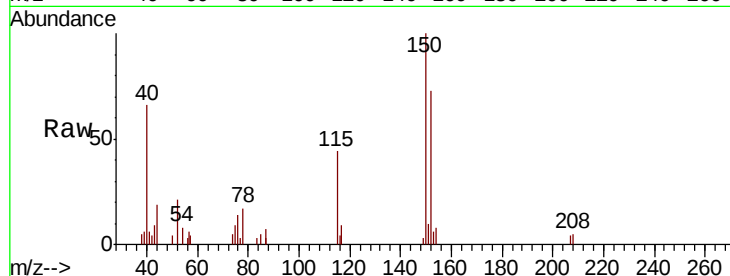
Tot Ion:152 Resp: 6198

Ion Ratio Lower Upper

152 100

115 53.4 26.7 80.1

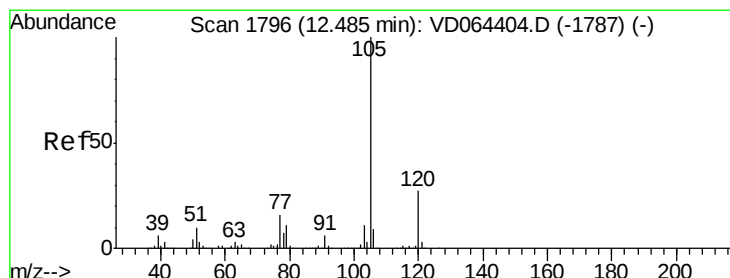
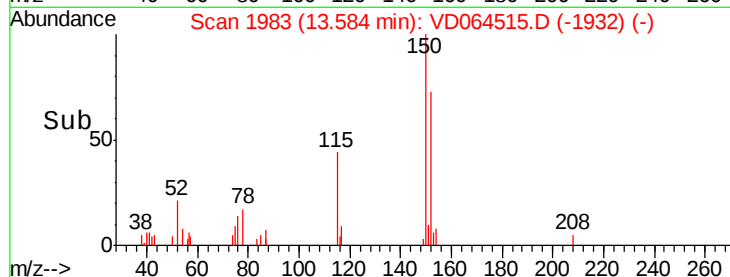
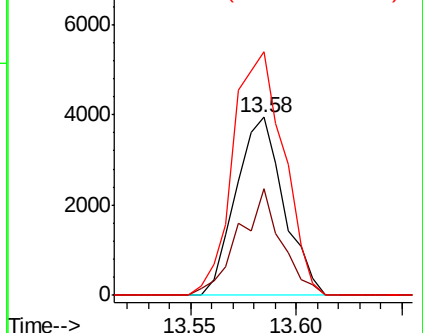
150 144.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.072 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD064515.D

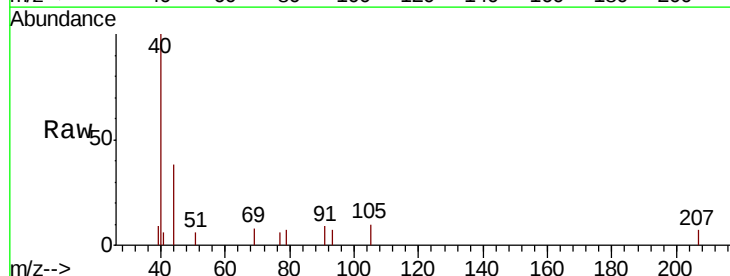
Acq: 13 Dec 2019 19:14

Tgt Ion:105 Resp: 478

Ion Ratio Lower Upper

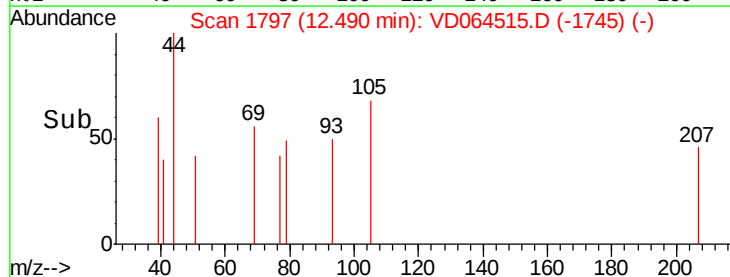
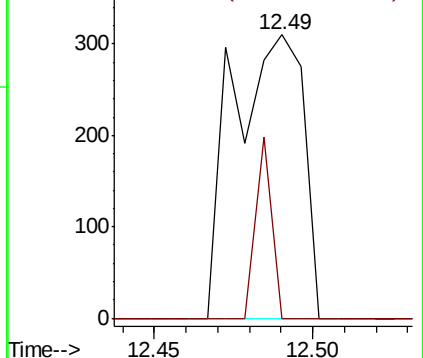
105 100

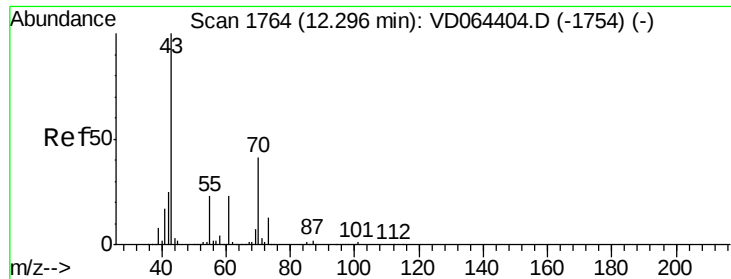
120 14.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

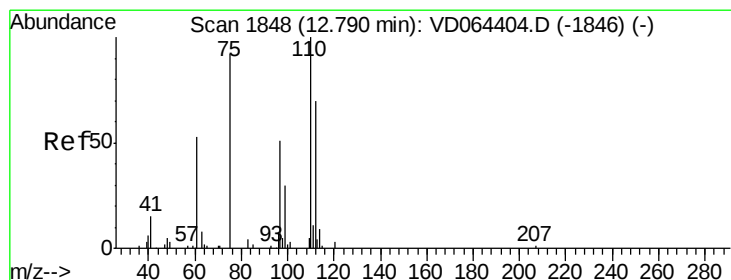
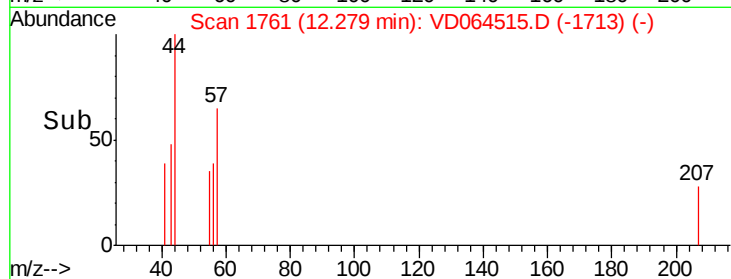
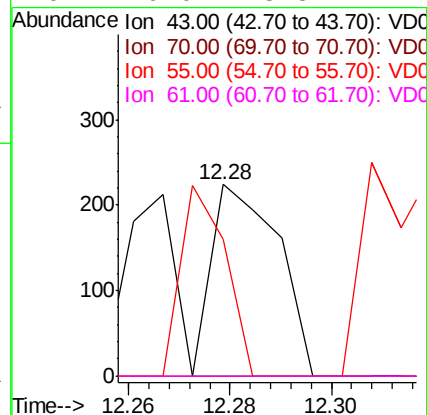
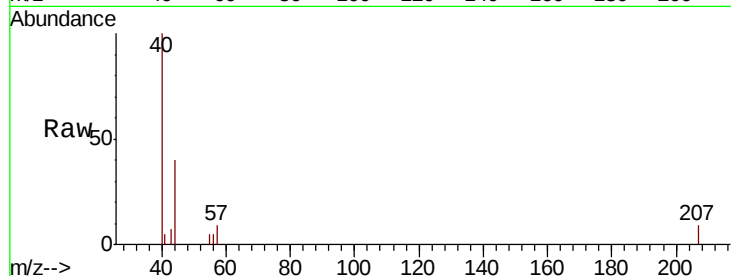




#74
N-amvl acetate
Concen: 2.026 ug/l
RT: 12.28 min Scan# 1761
Delta R.T. -0.02 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

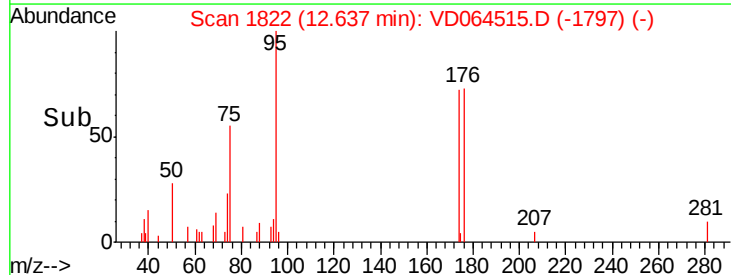
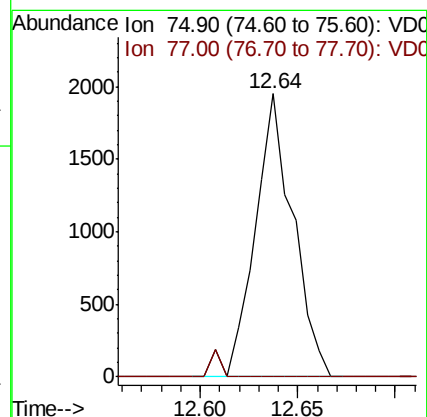
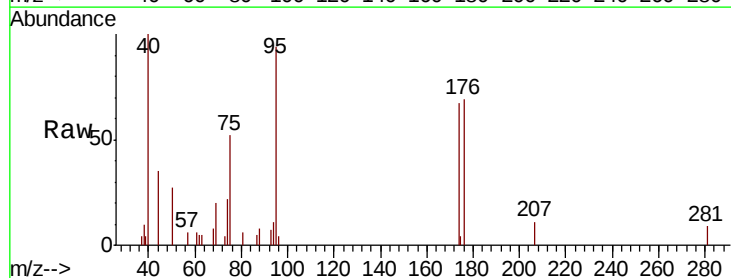
Instrument :
MSVOA_D
ClientSampleId :
72-11999

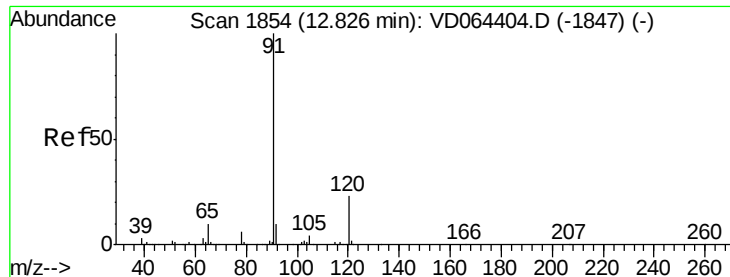
Tot Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 65.9 18.9 28.3#
61 0.0 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 52.050 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064515.D
Acq: 13 Dec 2019 19:14

Tgt Ion: 75 Resp: 2653
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 1.653 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

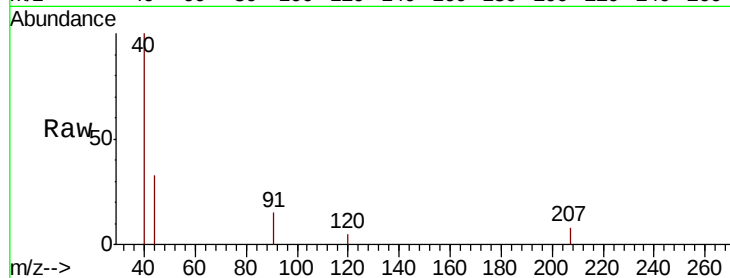
72-11999

Tot Ion: 91 Resp: 850

Ion Ratio Lower Upper

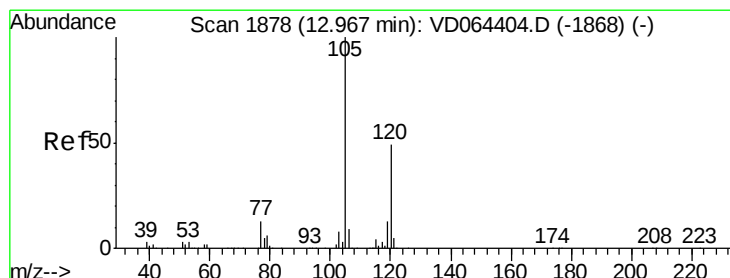
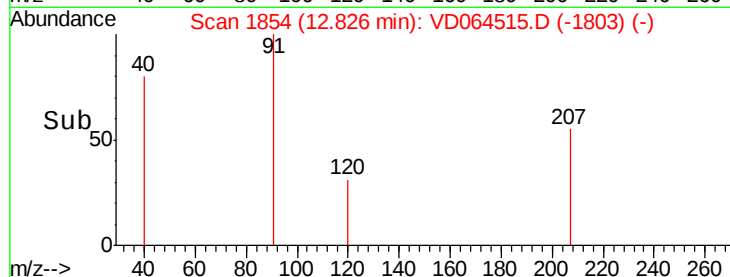
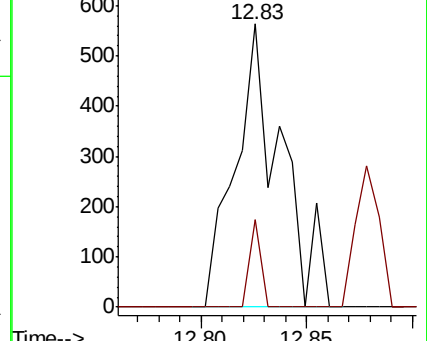
91 100

120 7.2 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.971 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064515.D

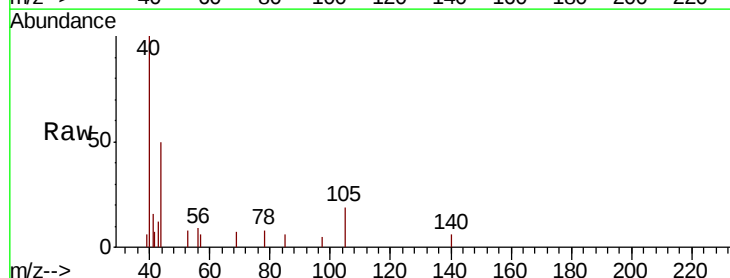
Acq: 13 Dec 2019 19:14

Tgt Ion: 105 Resp: 718

Ion Ratio Lower Upper

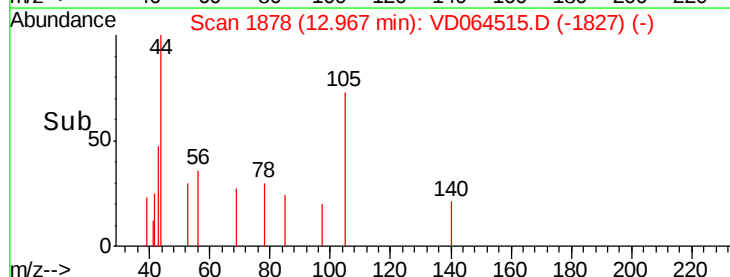
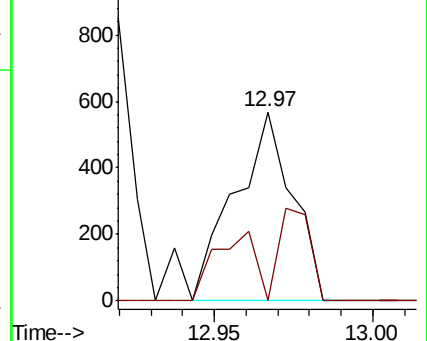
105 100

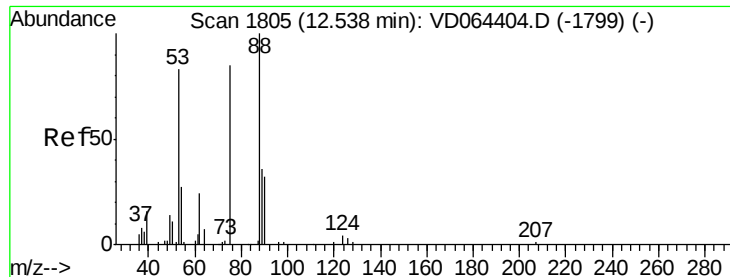
120 26.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.496 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

72-11999

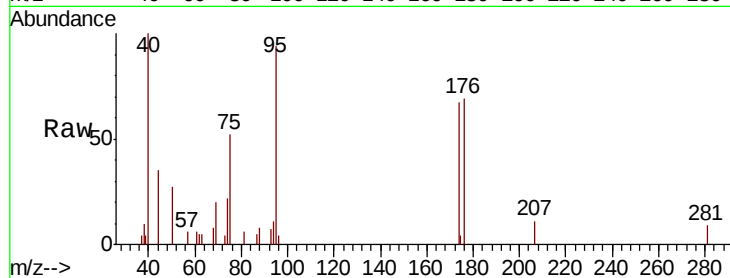
Tot Ion: 75 Resp: 2653

Ion Ratio Lower Upper

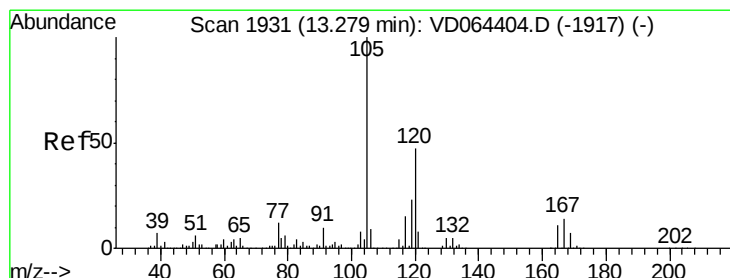
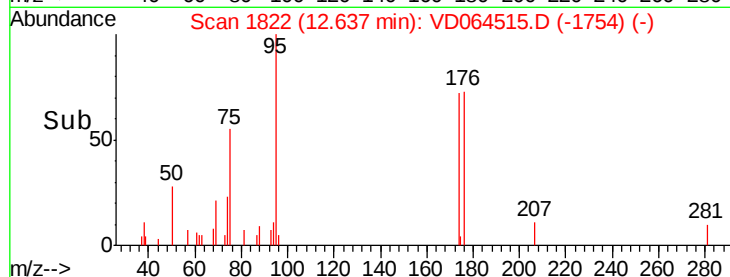
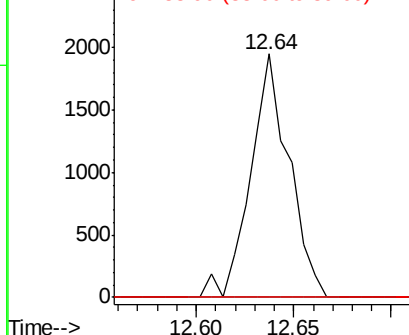
75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 3.975 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064515.D

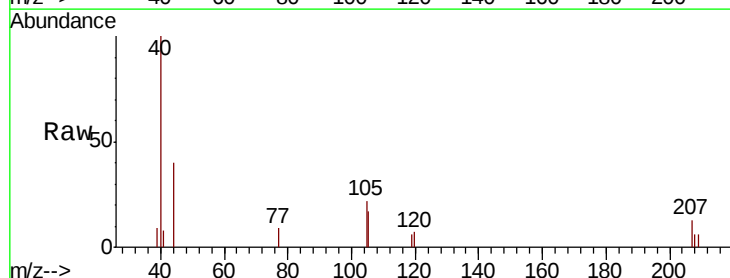
Acq: 13 Dec 2019 19:14

Tgt Ion: 105 Resp: 1456

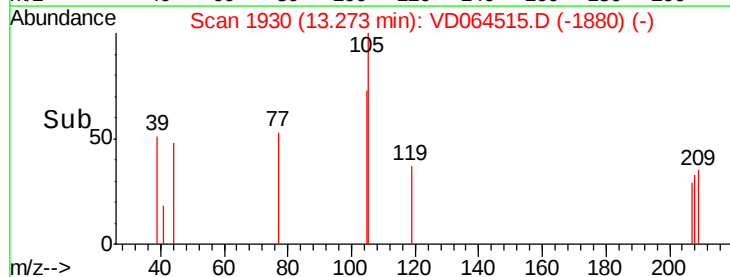
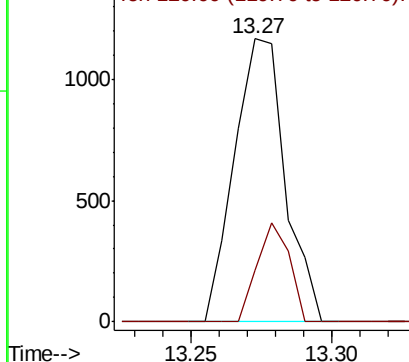
Ion Ratio Lower Upper

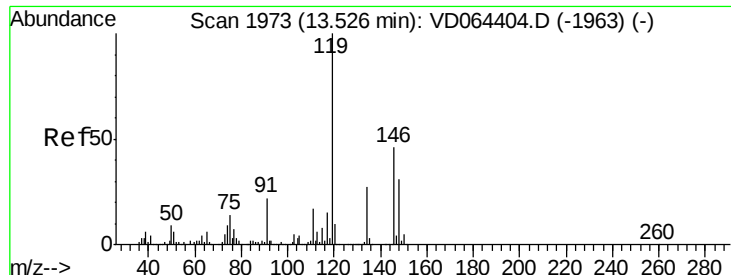
105 100

120 22.1 23.6 70.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

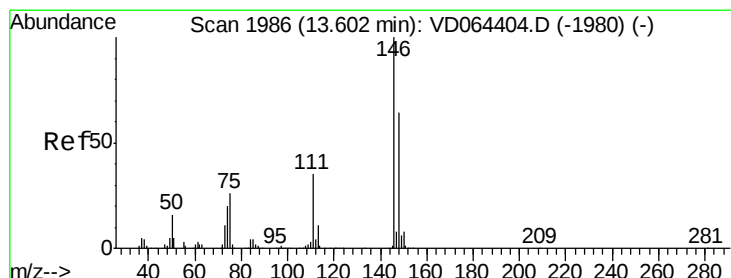
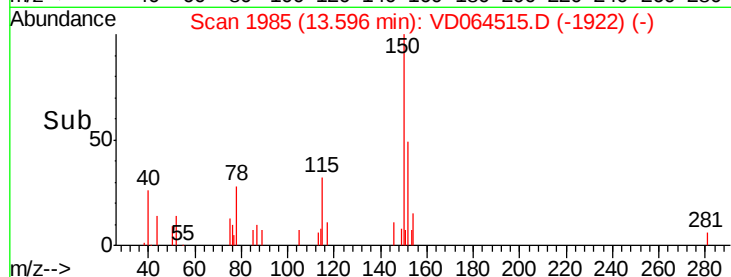
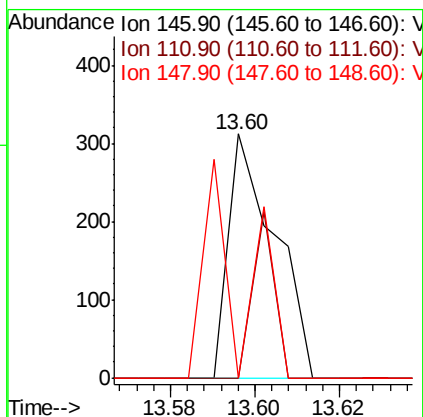
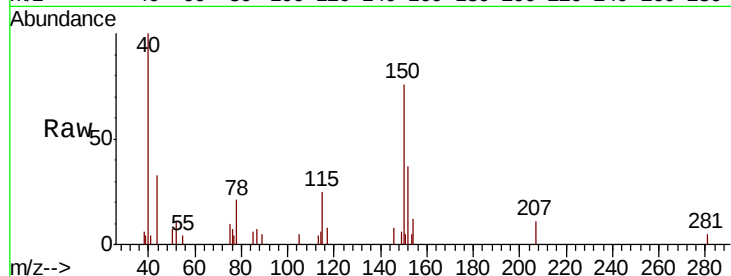




#87
 1,3-Dichlorobenzene
 Concen: 1.139 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.07 min
 Lab File: VD064515.D
 Acq: 13 Dec 2019 19:14

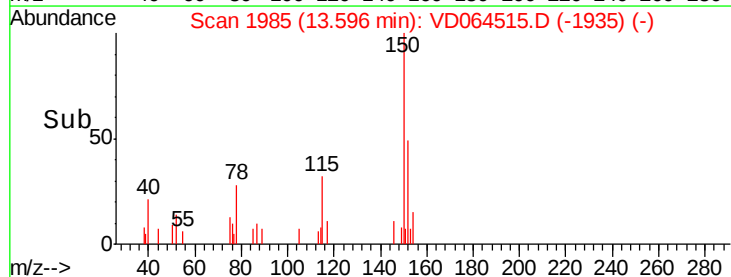
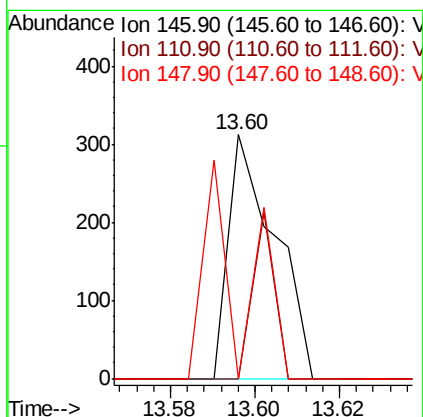
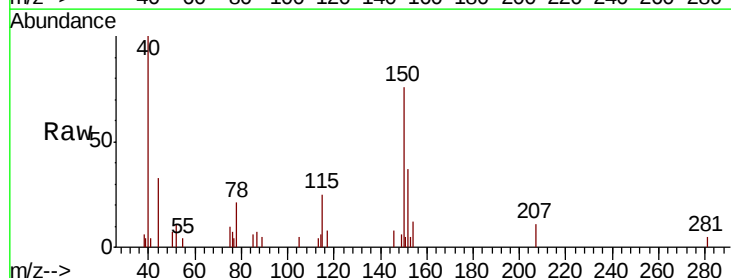
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11999

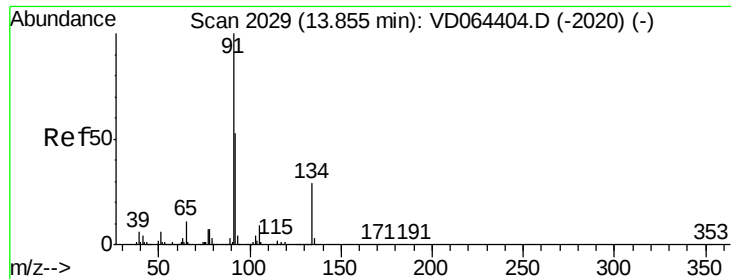
Tot Ion:146 Resp: 238
 Ion Ratio Lower Upper
 146 100
 111 31.5 18.8 56.4
 148 73.9 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 1.154 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064515.D
 Acq: 13 Dec 2019 19:14

Tgt Ion:146 Resp: 238
 Ion Ratio Lower Upper
 146 100
 111 31.5 18.2 54.6
 148 73.9 31.8 95.4





#89

n-Butylbenzene

Concen: 1.905 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.01 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampled :

72-11999

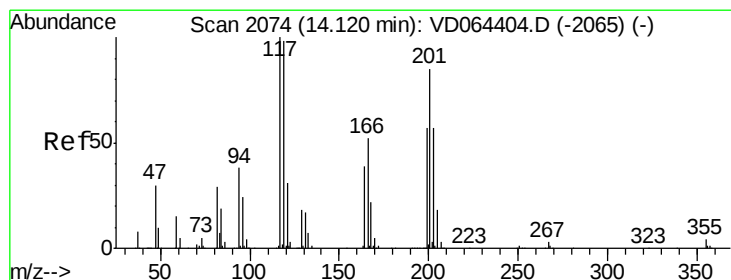
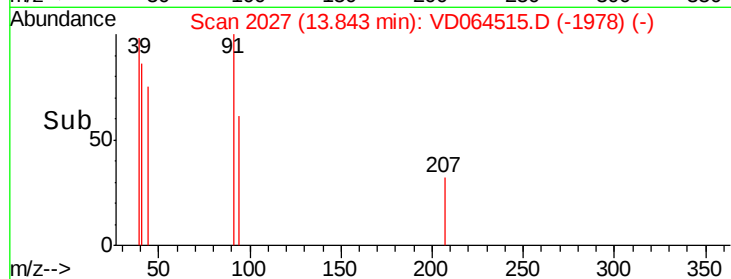
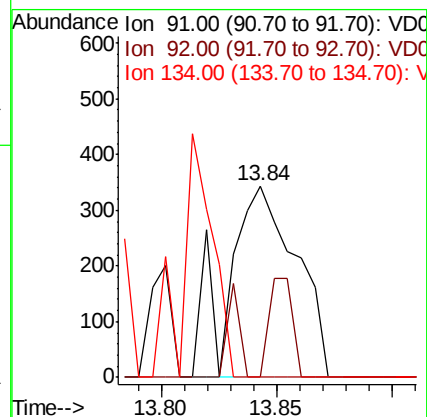
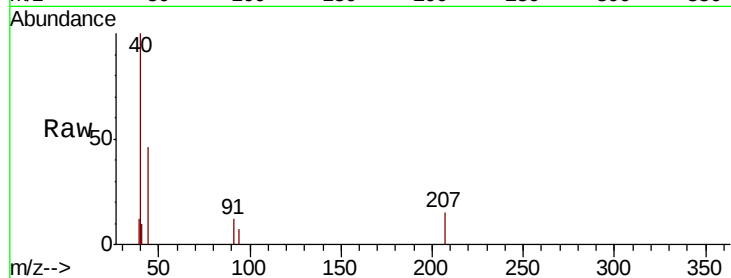
Tot Ion: 91 Resp: 710

Ion Ratio Lower Upper

91 100

92 17.7 26.5 79.4#

134 0.0 13.9 41.7#



#90

Hexachloroethane

Concen: 2.085 ug/l

RT: 14.23 min Scan# 2093

Delta R.T. 0.11 min

Lab File: VD064515.D

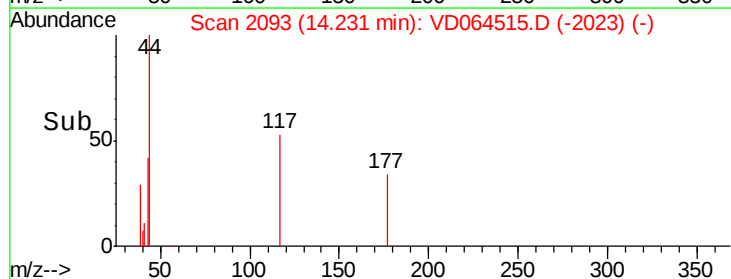
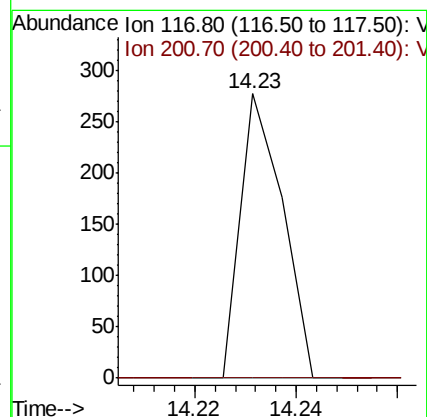
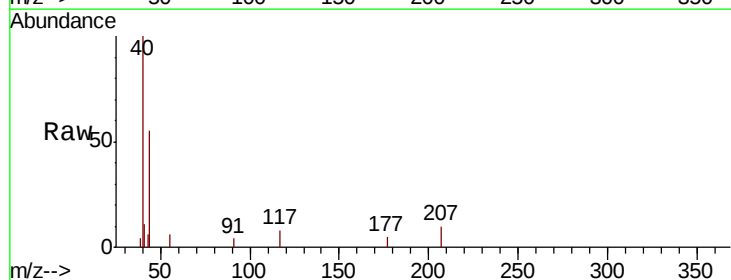
Acq: 13 Dec 2019 19:14

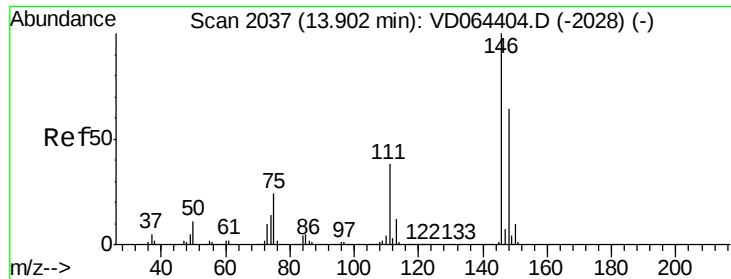
Tgt Ion: 117 Resp: 160

Ion Ratio Lower Upper

117 100

201 0.0 44.3 132.8#





#91

1,2-Dichlorobenzene

Concen: 1.182 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

72-11999

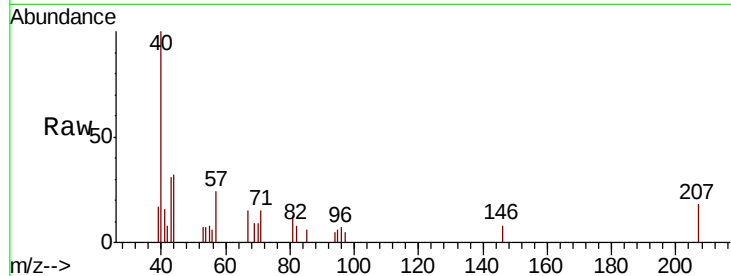
Tot Ion:146 Resp: 211

Ion Ratio Lower Upper

146 100

111 0.0 19.1 57.3#

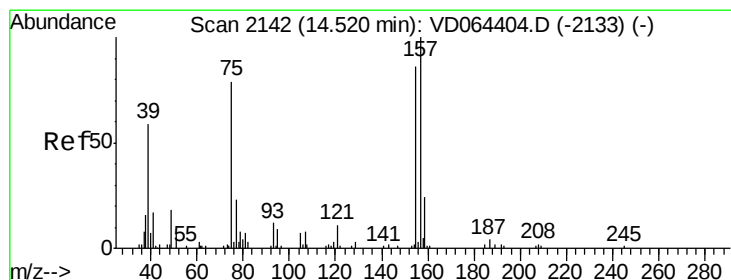
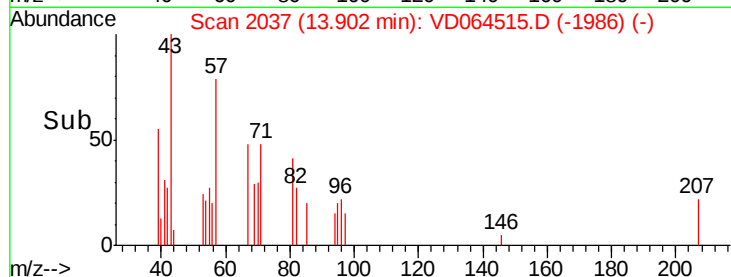
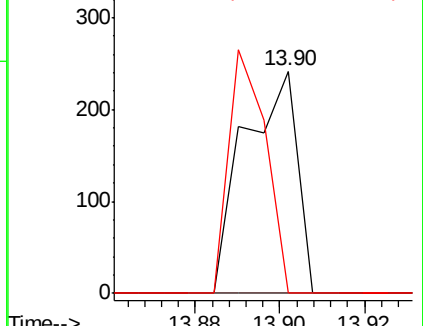
148 75.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): 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: 2.562 ug/l

RT: 14.66 min Scan# 2166

Delta R.T. 0.14 min

Lab File: VD064515.D

Acq: 13 Dec 2019 19:14

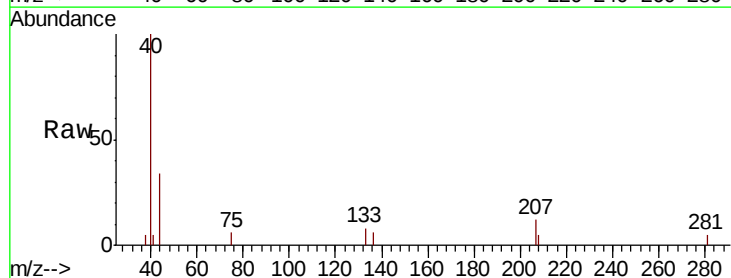
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

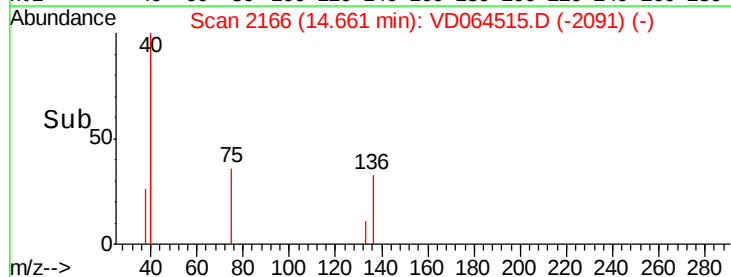
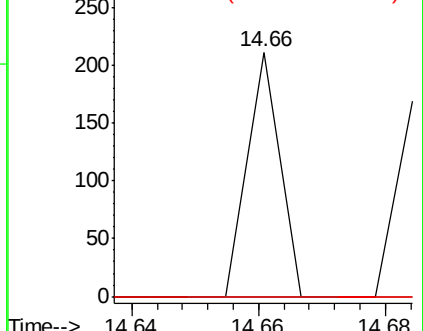
157 0.0 63.2 189.8#

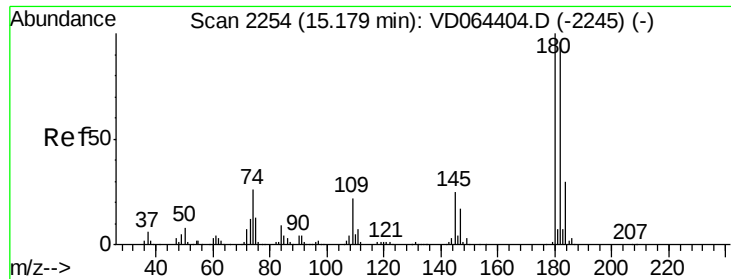


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

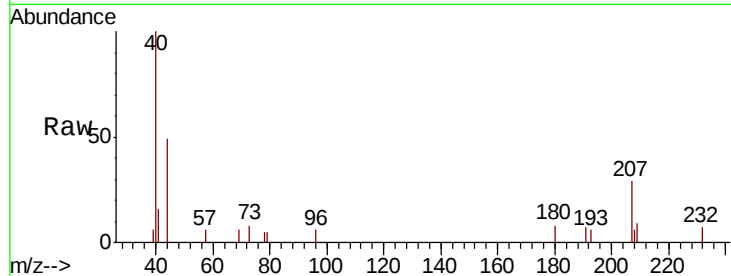




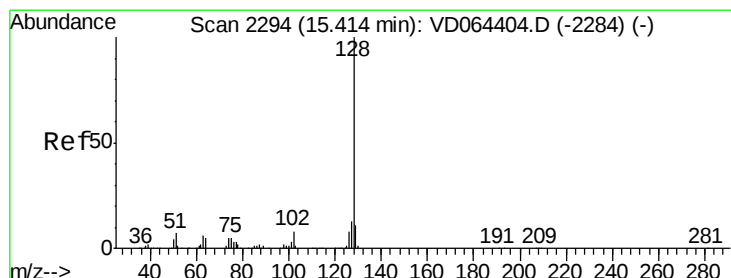
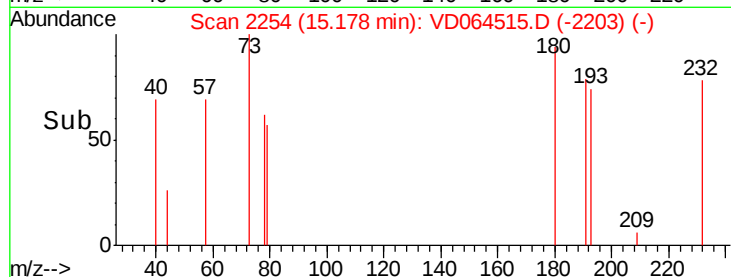
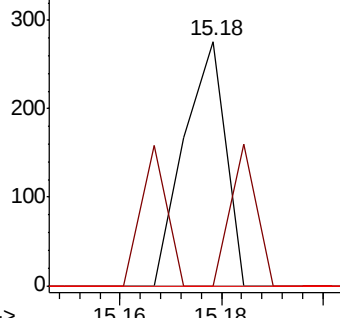
#93
 1,2,4-Trichlorobenzene
 Concen: 1.141 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064515.D
 Acq: 13 Dec 2019 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11999

Tot Ion	Ratio	Lower	Upper
180	100		
182	35.9	47.4	142.3#
145	0.0	14.0	41.9#

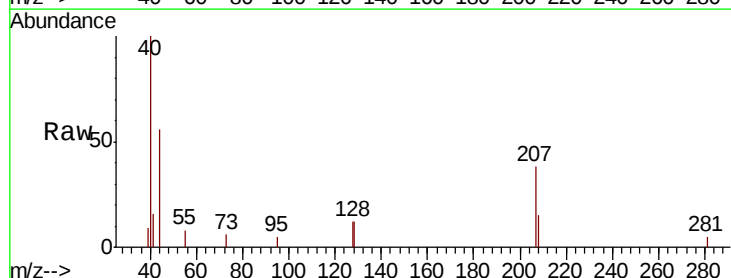


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 5.696 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: VD064515.D
 Acq: 13 Dec 2019 19:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	5.2	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

