

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064444.D
 Acq On : 05 Dec 2019 18:57
 Operator : VA/SY
 Sample : K6177-03
 Misc : 6.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3

Quant Time: Dec 06 08:42:16 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	7.98	168	19638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	26311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	24786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	12833	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	9026	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	7.91	113	8121	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.34	98	32923	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.64	95	10539	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	591	2.633	ug/l #	36
5) Bromomethane	2.79	94	907	4.733	ug/l	86
10) Methyl Iodide	4.33	142	307	1.574	ug/l #	40
11) Tert butyl alcohol	5.37	59	60	5.303	ug/l #	100
13) Acrolein	3.93	56	53	3.434	ug/l #	58
15) Acrylonitrile	5.50	53	185	4.726	ug/l #	16
16) Acetone	4.17	43	355	9.883	ug/l #	47
18) Methyl Acetate	4.73	43	166	1.584	ug/l #	51
20) Methylene Chloride	5.00	84	67	Below Cal	#	3
23) Vinyl Acetate	6.30	43	403	1.254	ug/l #	71
25) 2-Butanone	7.22	43	55	1.083	ug/l #	49
29) Tetrahydrofuran	7.55	42	57	1.764	ug/l #	33
31) Cyclohexane	7.98	56	6190	18.751	ug/l	94
36) 1,1-Dichloropropene	7.99	75	1428	5.738	ug/l #	45
38) Carbon Tetrachloride	7.98	117	2070	7.881	ug/l #	11
39) Methylcyclohexane	9.36	83	13827	44.790	ug/l	92
43) Isopropyl Acetate	8.46	43	829	3.993	ug/l #	51
48) Methyl methacrylate	9.47	41	225	2.368	ug/l #	1
49) 1,4-Dioxane	9.29	88	91	78.986	ug/l #	25
55) 1,1,2-Trichloroethane	10.77	97	1238	9.691	ug/l #	15
56) Ethyl methacrylate	10.64	69	198	1.215	ug/l #	22
59) 2-Hexanone	11.01	43	155	2.174	ug/l #	26
67) Ethyl Benzene	11.76	91	1083	1.177	ug/l	98
68) m/p-Xylenes	11.86	106	903	2.575	ug/l	94
74) N-amyl acetate	12.28	43	243	1.160	ug/l #	73
76) 1,2,3-Trichloropropane	12.63	75	5207	49.339	ug/l #	100
78) n-propylbenzene	12.83	91	1505	1.413	ug/l	96
80) 1,3,5-Trimethylbenzene	12.88	105	1963	2.603	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.63	75	5207	107.586	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.28	105	2469	3.255	ug/l	93
90) Hexachloroethane	14.23	117	586	3.687	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.64	75	61	Below Cal	#	1
95) Naphthalene	15.40	128	749	1.585	ug/l #	69

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

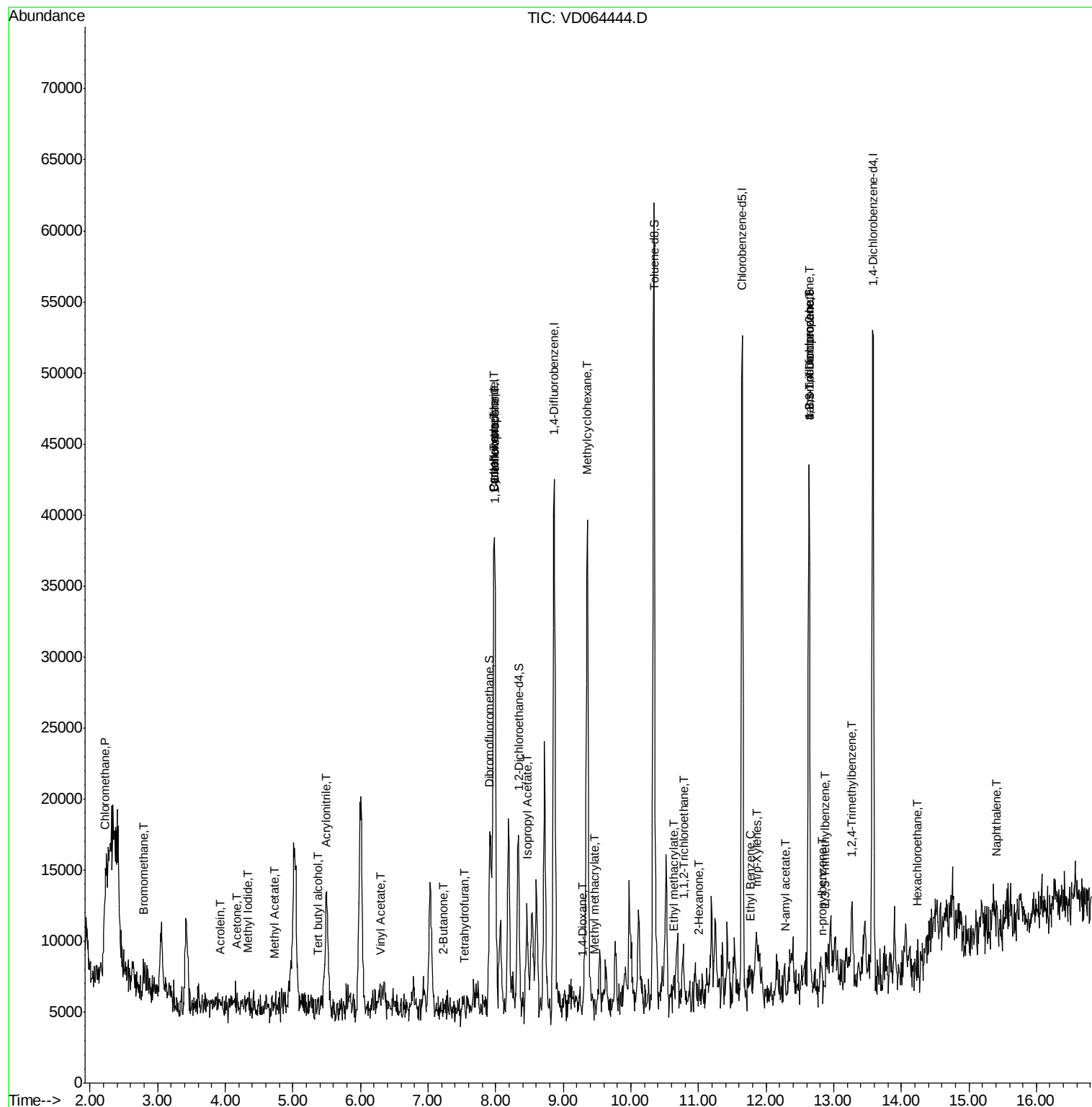
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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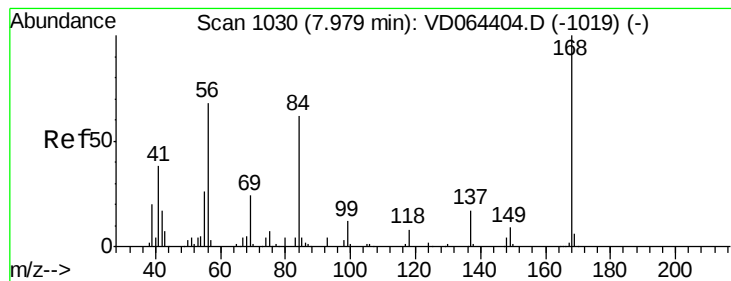
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampled :

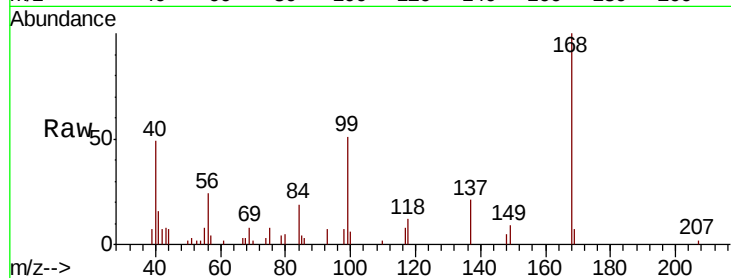
EP-3

Tot Ion:168 Resp: 19638

Ion Ratio Lower Upper

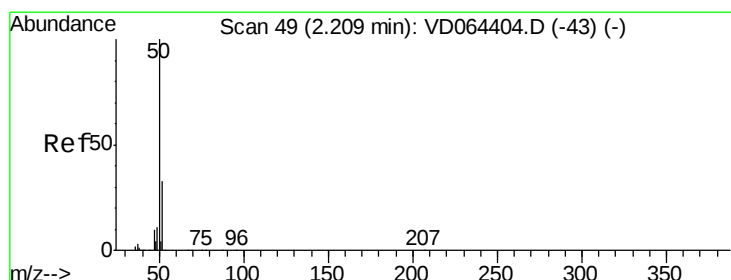
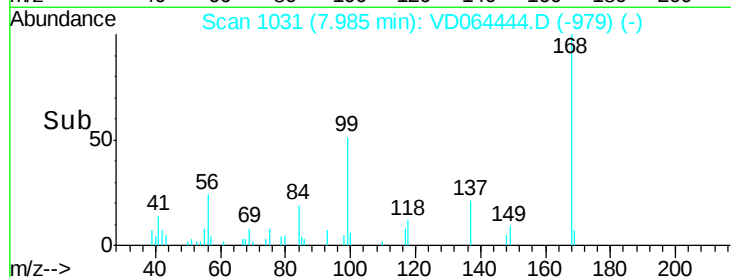
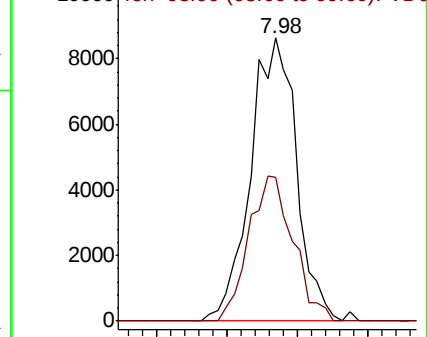
168 100

99 50.7 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: 2.633 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064444.D

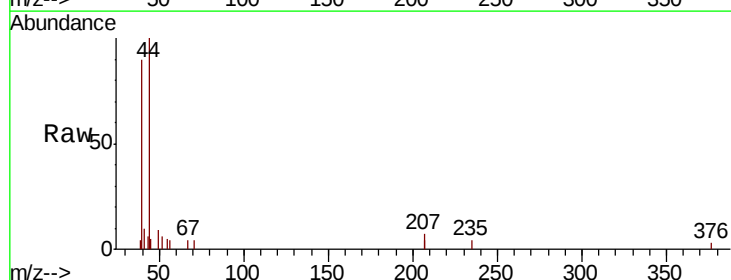
Acq: 05 Dec 2019 18:57

Tgt Ion: 50 Resp: 591

Ion Ratio Lower Upper

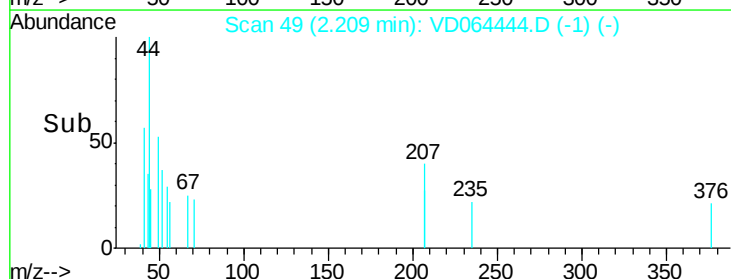
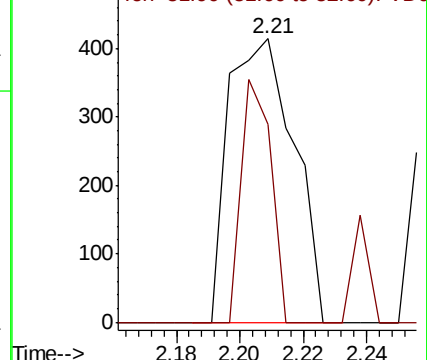
50 100

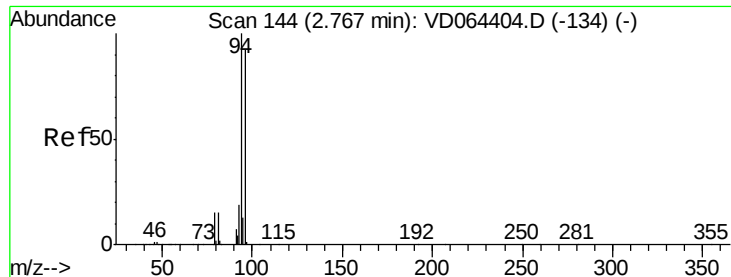
52 69.8 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 4.733 ug/l

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

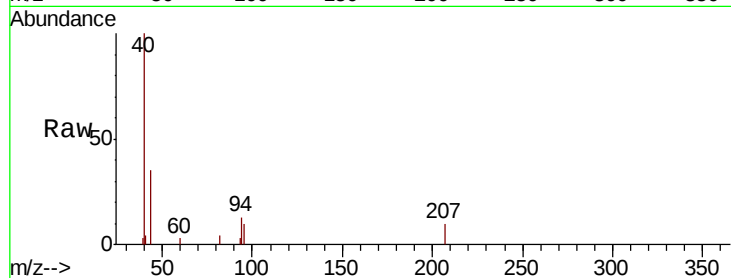
EP-3

Tot Ion: 94 Resp: 907

Ion Ratio Lower Upper

94 100

96 78.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

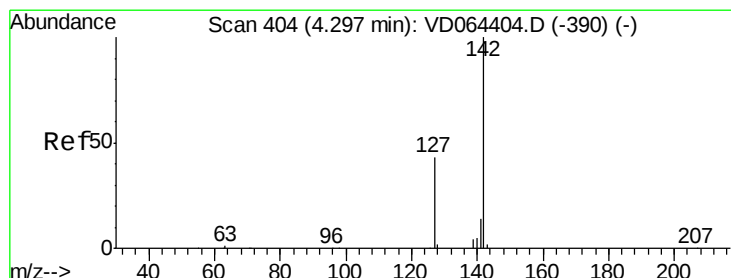
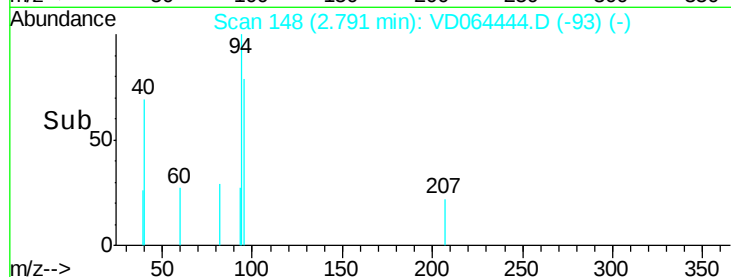
2.79

400

200

0

Time-->



#10

Methyl Iodide

Concen: 1.574 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.03 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

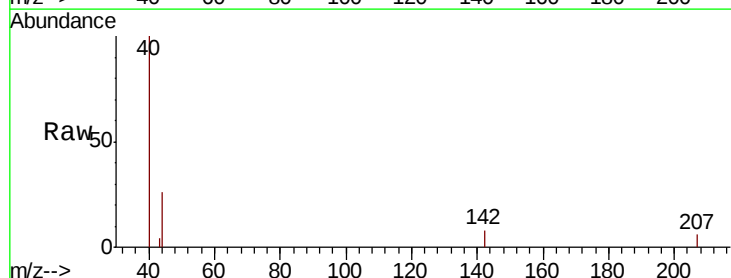
Tgt Ion: 142 Resp: 307

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.33

400

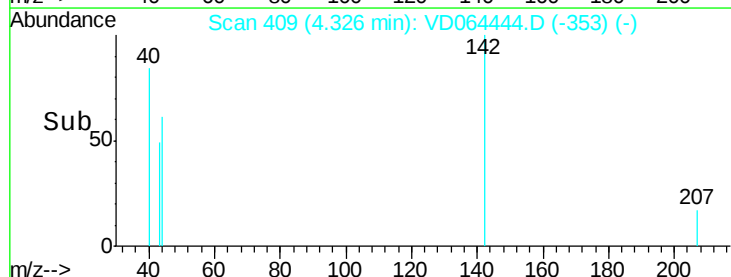
300

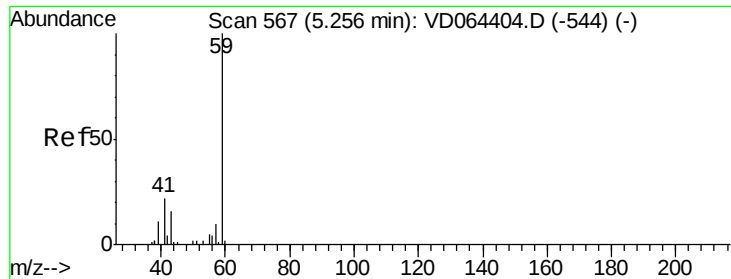
200

100

0

Time-->

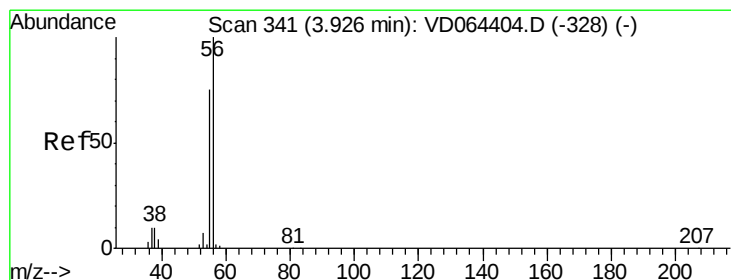
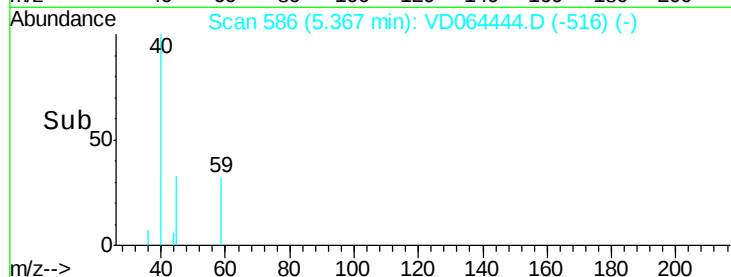
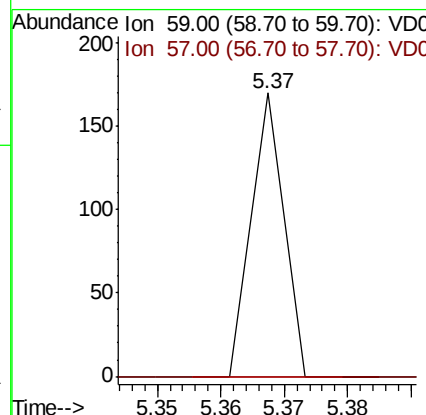
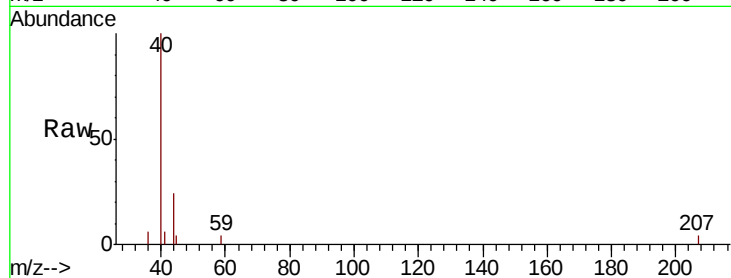




#11
Tert butyl alcohol
Concen: 5.303 ug/l
RT: 5.37 min Scan# 586
Delta R.T. 0.11 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

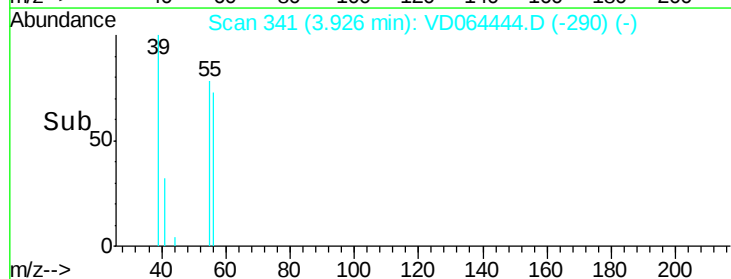
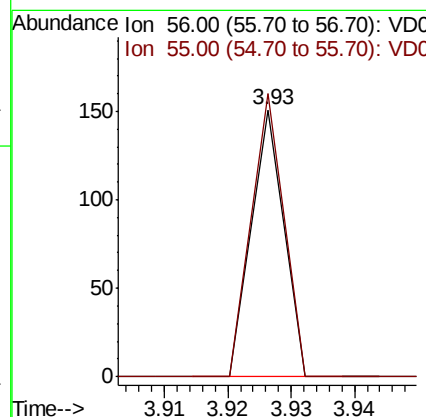
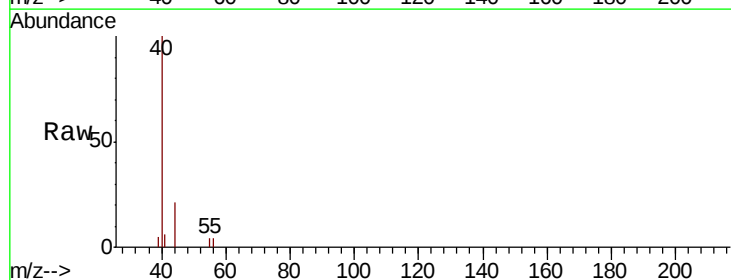
Instrument :
MSVOA_D
ClientSampleId :
EP-3

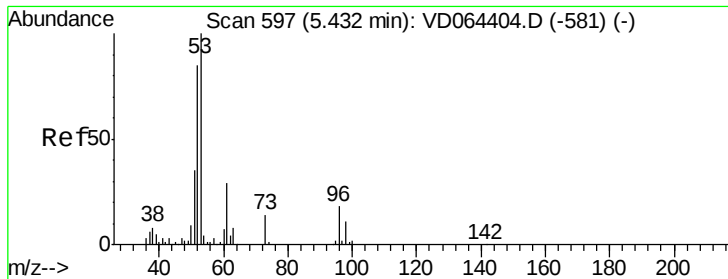
Tot Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#13
Acrolein
Concen: 3.434 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 105.7 56.9 85.3#





#15

Acrylonitrile

Concen: 4.726 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.06 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

EP-3

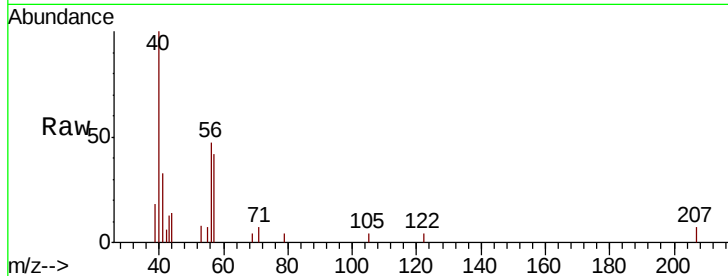
Tot Ion: 53 Resp: 185

Ion Ratio Lower Upper

53 100

52 0.0 67.9 101.9#

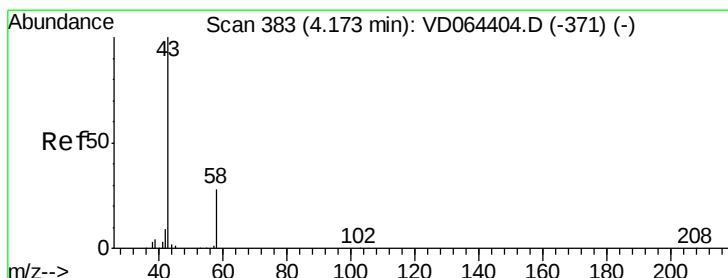
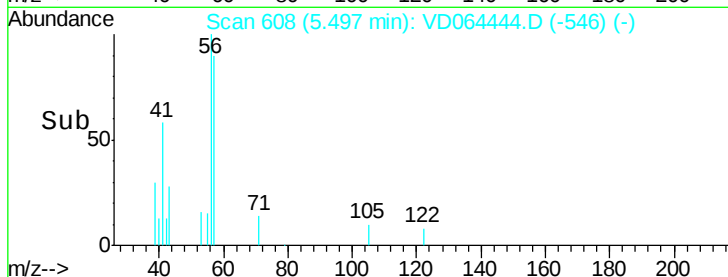
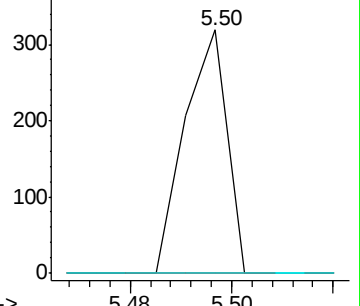
51 0.0 30.6 45.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 9.883 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064444.D

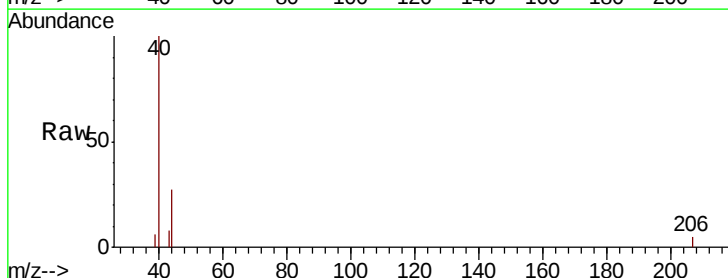
Acq: 05 Dec 2019 18:57

Tgt Ion: 43 Resp: 355

Ion Ratio Lower Upper

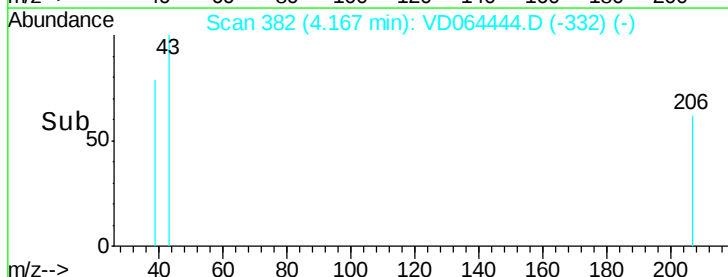
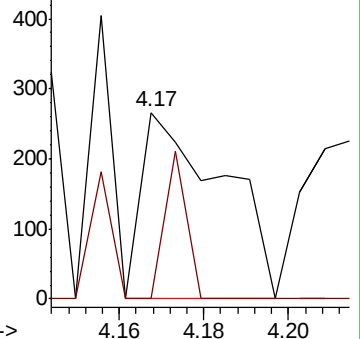
43 100

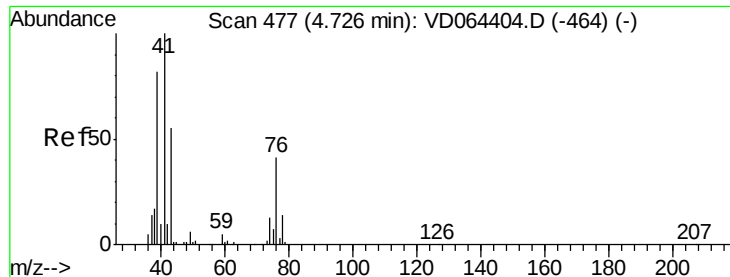
58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

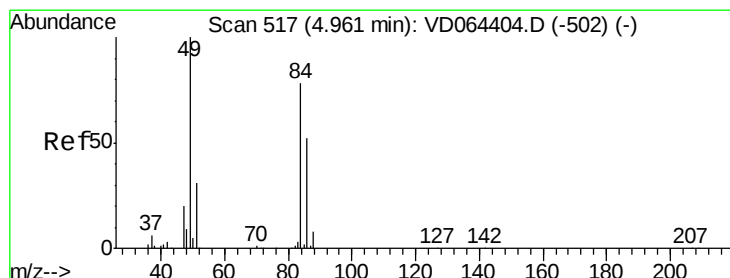
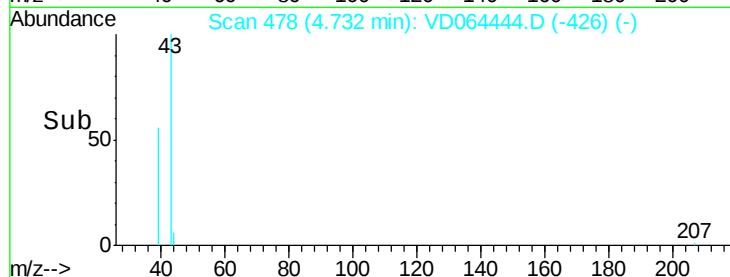
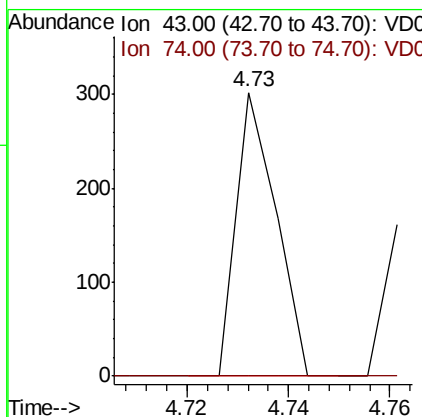
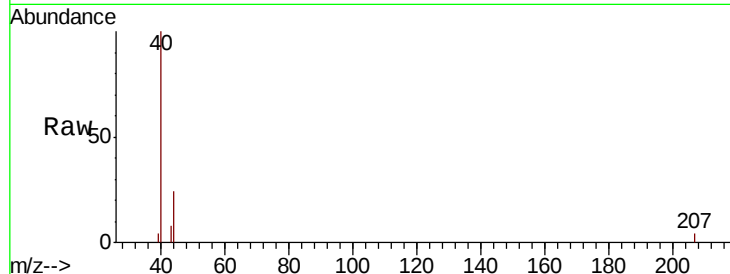




#18
Methyl Acetate
Concen: 1.584 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

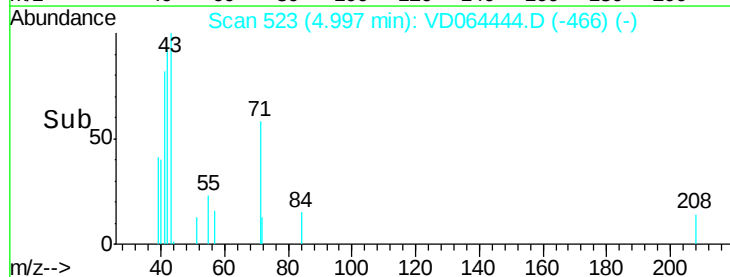
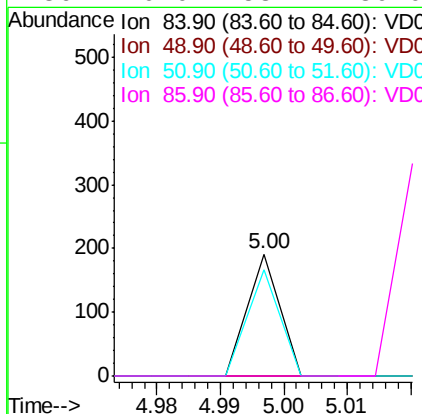
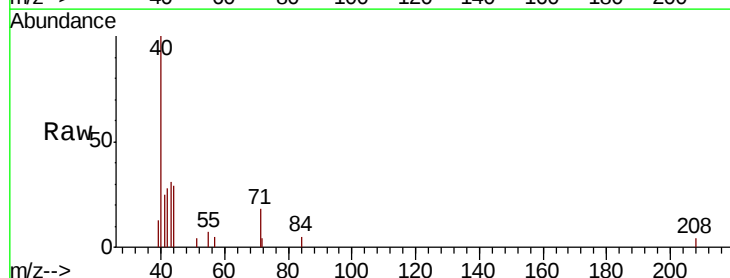
Instrument :
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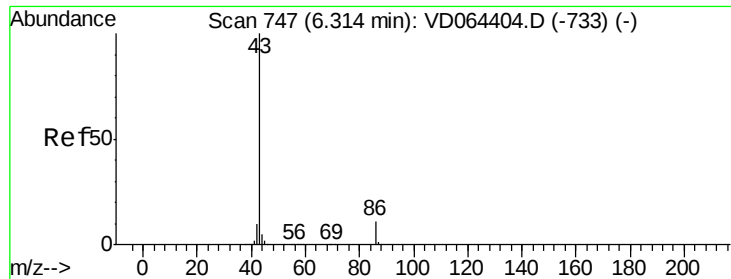
Tot Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.00 min Scan# 523
Delta R.T. 0.04 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

Tgt Ion: 84 Resp: 67
Ion Ratio Lower Upper
84 100
49 0.0 102.6 153.8#
51 86.9 32.0 48.0#
86 0.0 53.4 80.0#





#23

Vinyl Acetate

Concen: 1.254 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

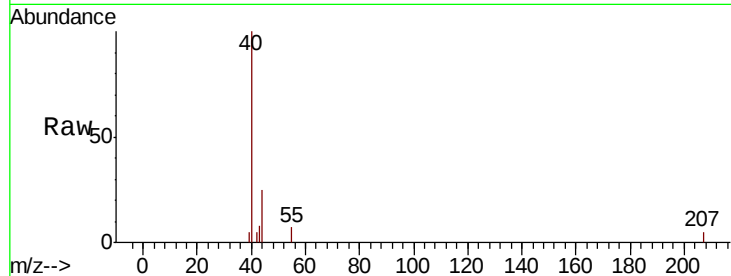
EP-3

Tot Ion: 43 Resp: 403

Ion Ratio Lower Upper

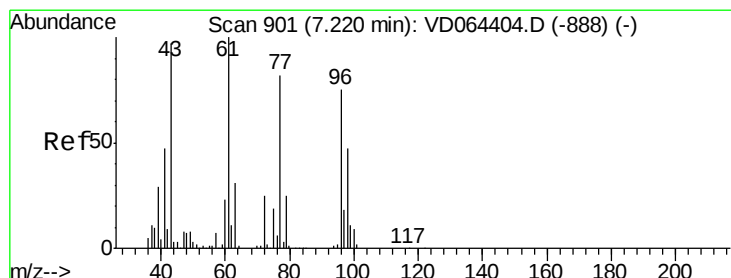
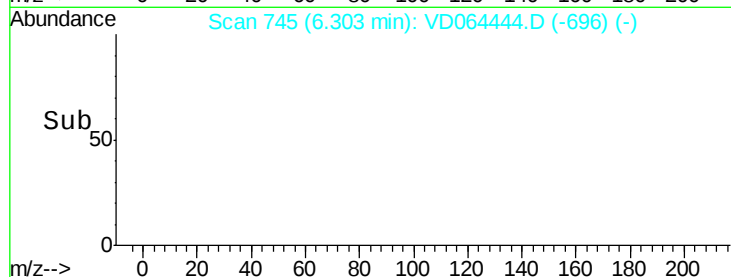
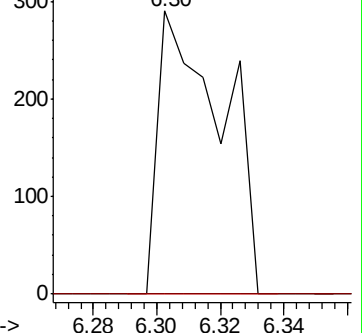
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 1.083 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064444.D

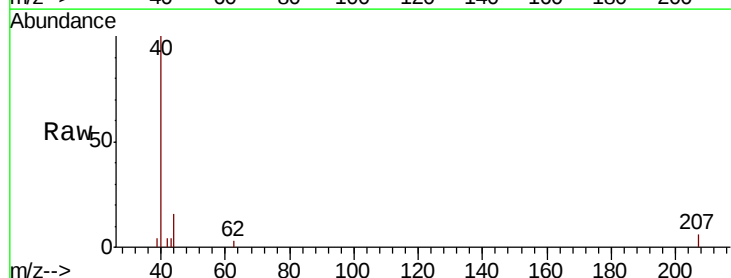
Acq: 05 Dec 2019 18:57

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

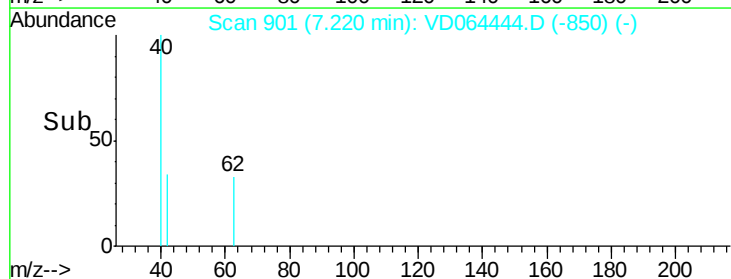
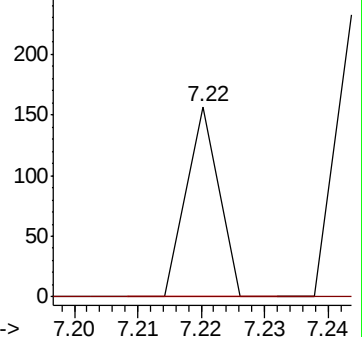
43 100

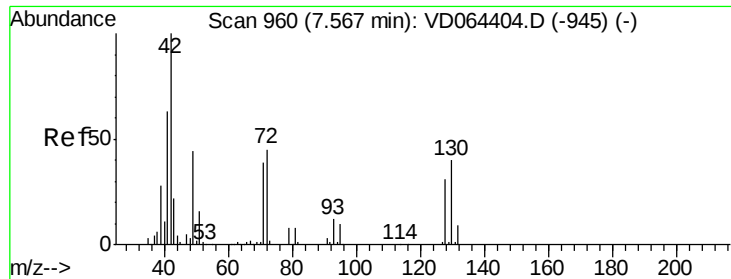
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

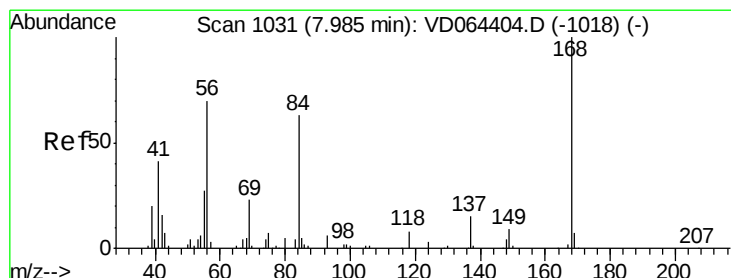
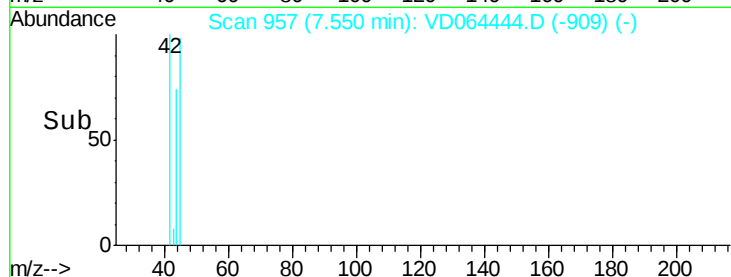
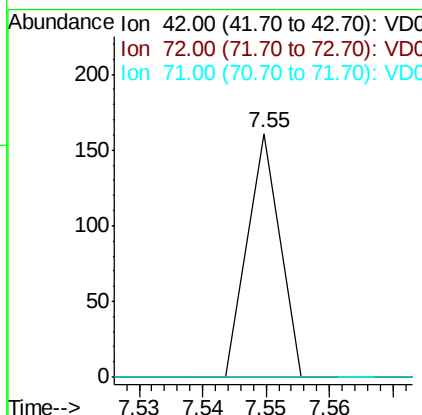
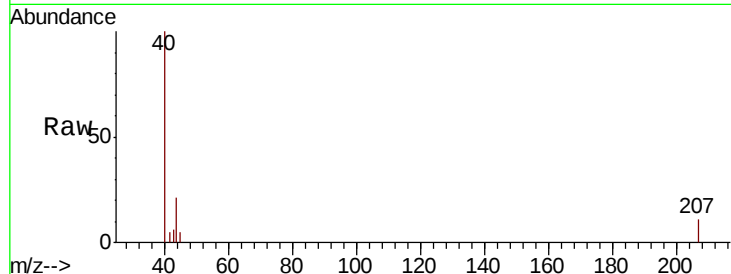




#29
Tetrahydrofuran
Concen: 1.764 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.02 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

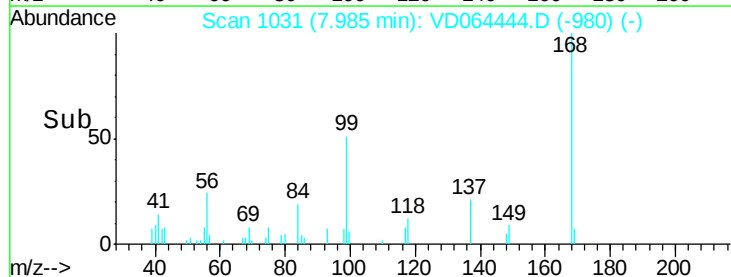
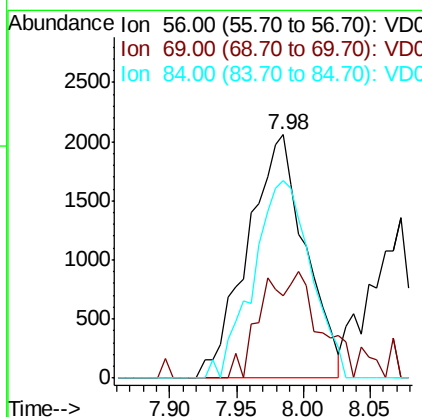
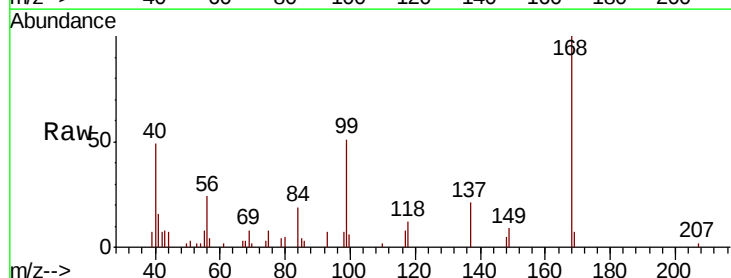
Instrument :
MSVOA_D
ClientSampleId :
EP-3

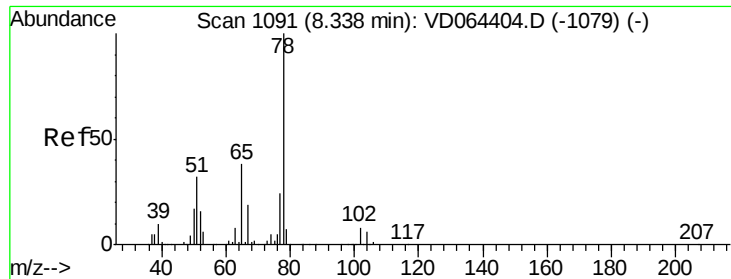
Tot Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 0.0 32.7 49.1#



#31
Cyclohexane
Concen: 18.751 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

Tgt Ion: 56 Resp: 6190
Ion Ratio Lower Upper
56 100
69 33.8 26.2 39.4
84 80.9 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 50.778 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

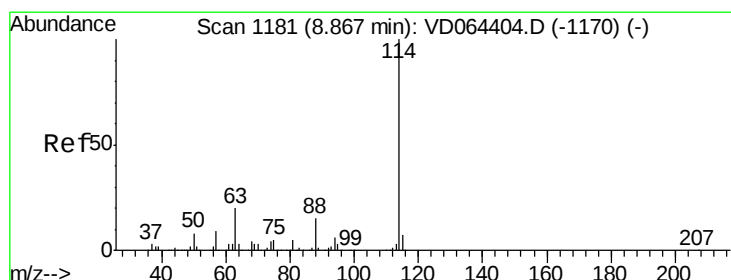
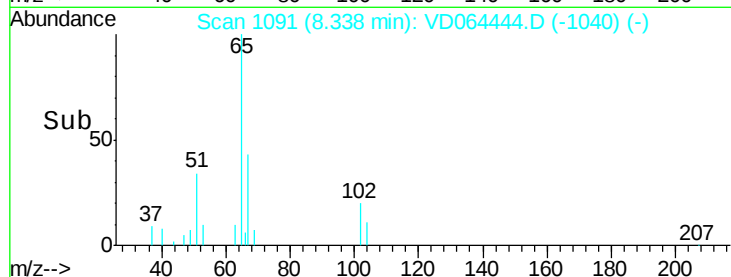
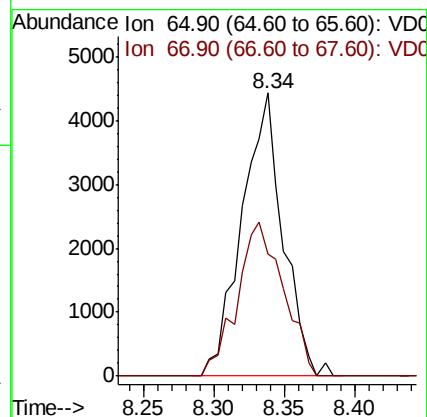
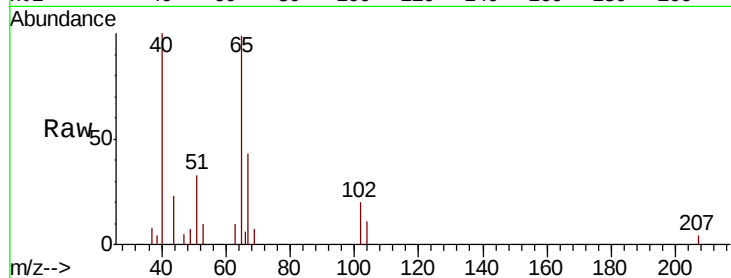
EP-3

Tot Ion: 65 Resp: 9026

Ion Ratio Lower Upper

65 100

67 60.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

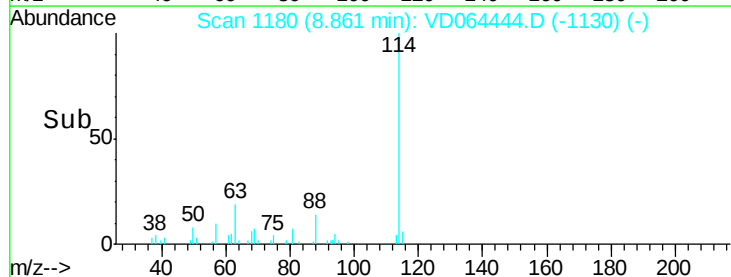
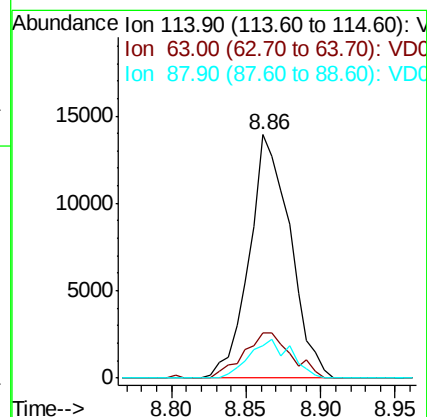
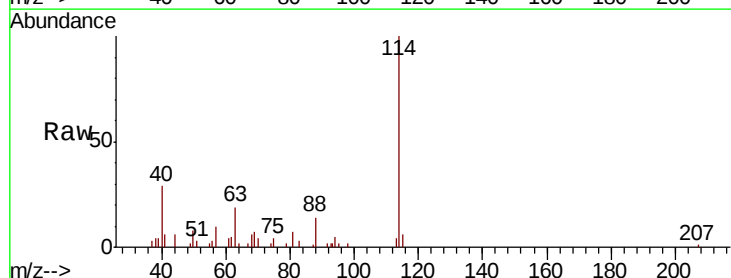
Tgt Ion: 114 Resp: 26311

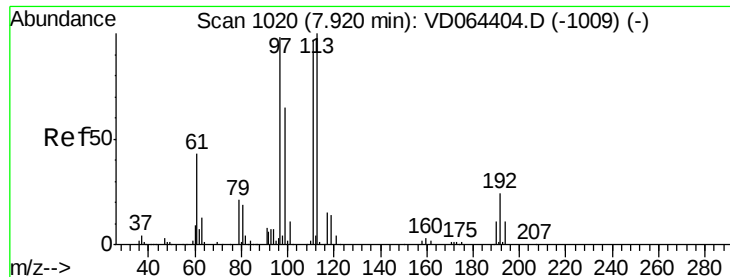
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 13.5 0.0 29.2





#35

Dibromofluoromethane

Concen: 48.989 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

EP-3

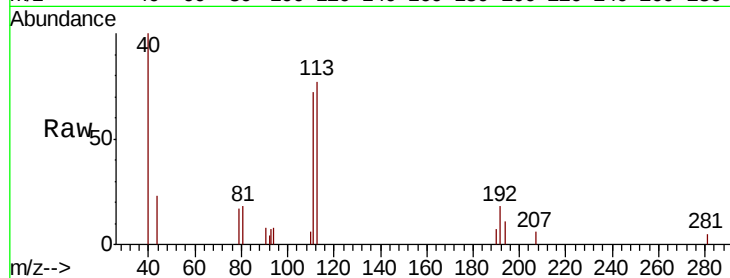
Tot Ion:113 Resp: 8121

Ion Ratio Lower Upper

113 100

111 95.0 79.4 119.2

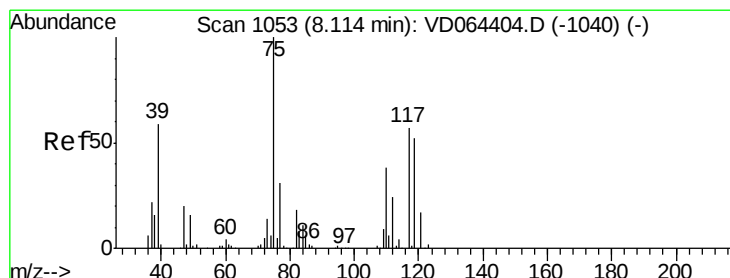
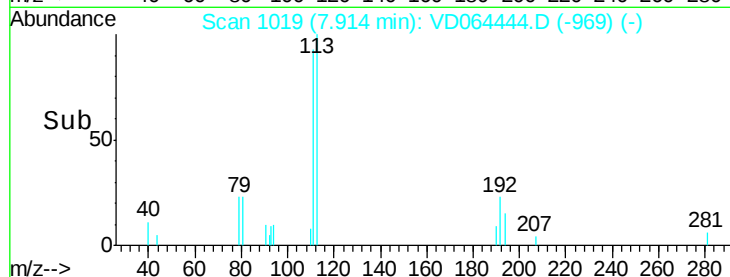
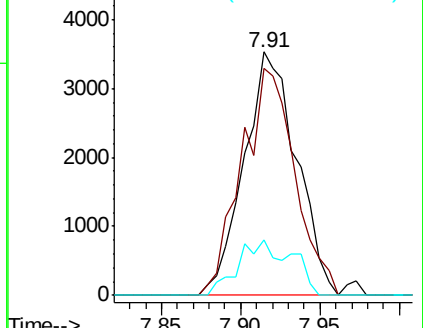
192 23.1 18.6 28.0



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



#36

1,1-Dichloropropene

Concen: 5.738 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

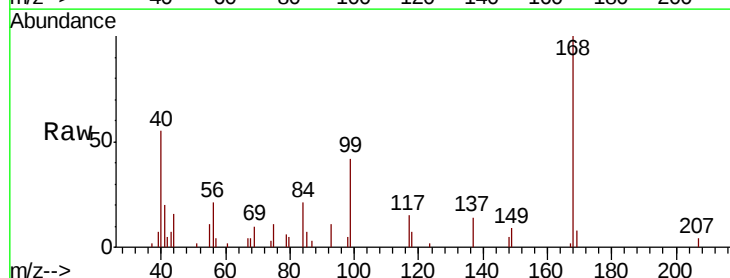
Tgt Ion: 75 Resp: 1428

Ion Ratio Lower Upper

75 100

110 4.7 18.6 55.8#

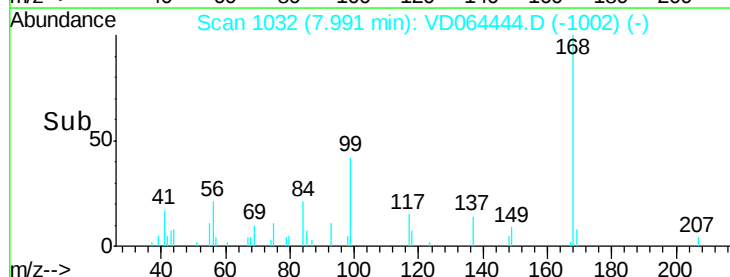
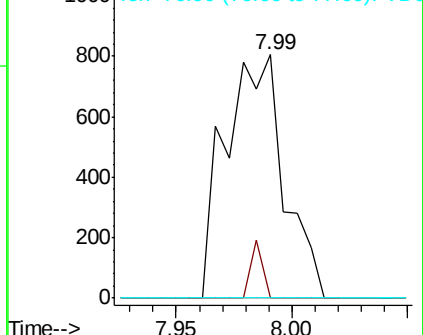
77 0.0 25.0 37.4#

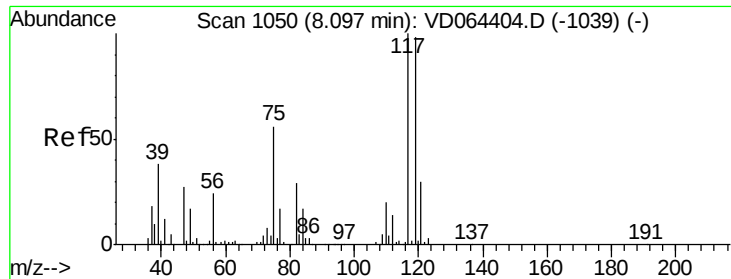


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC

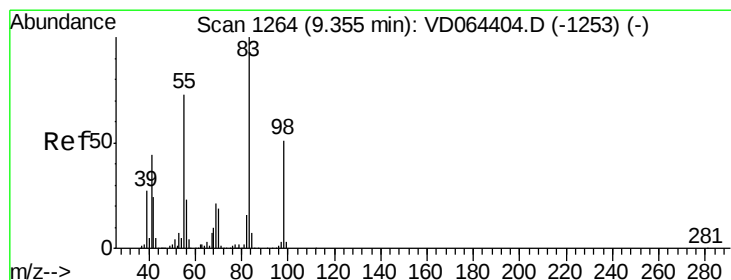
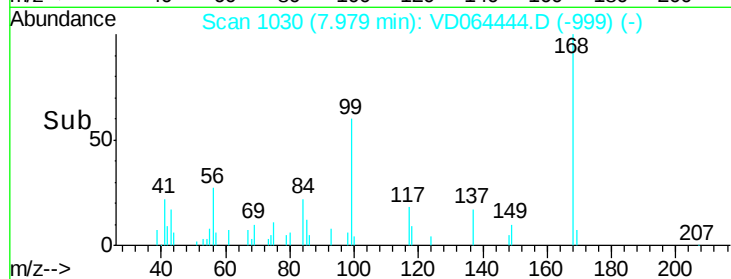
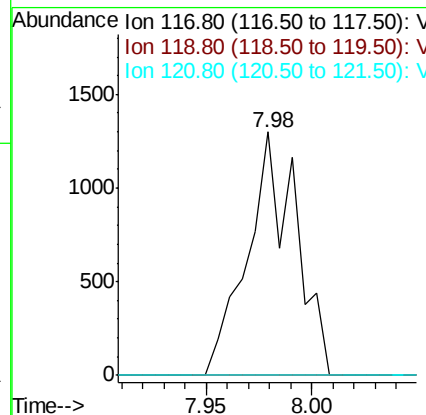
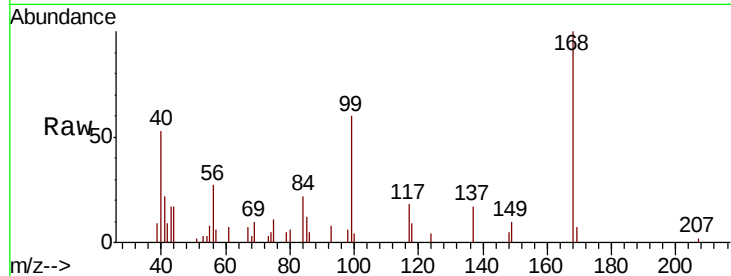




#38
Carbon Tetrachloride
Concen: 7.881 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

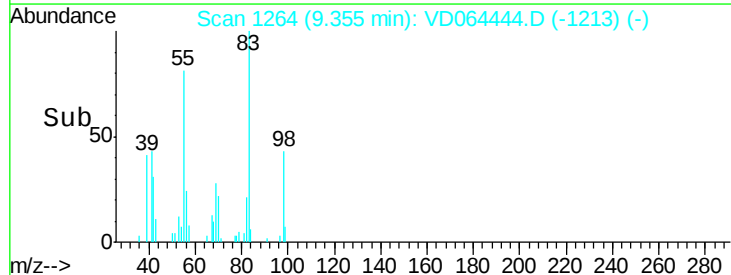
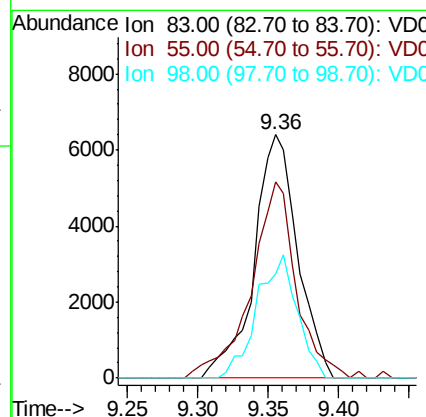
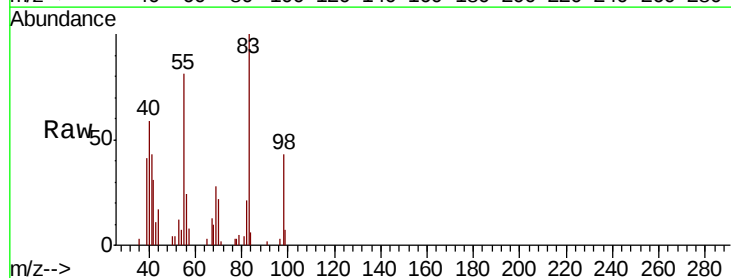
Instrument :
MSVOA_D
ClientSampleId :
EP-3

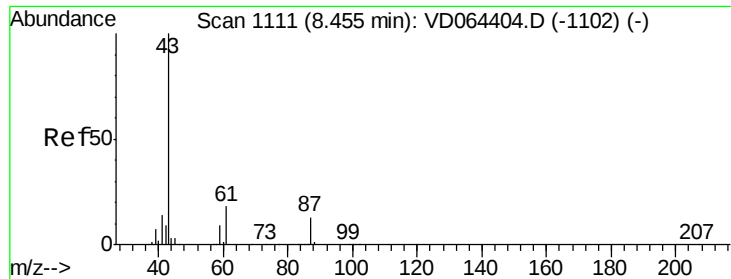
Tot Ion:117 Resp: 2070
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 44.790 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

Tgt Ion: 83 Resp: 13827
Ion Ratio Lower Upper
83 100
55 78.1 58.6 87.8
98 42.8 40.9 61.3





#43

Isopropyl Acetate

Concen: 3.993 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

EP-3

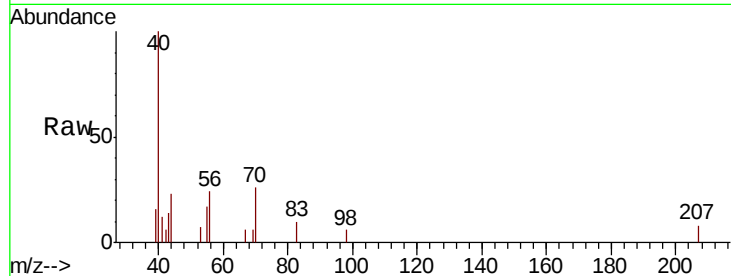
Tot Ion: 43 Resp: 829

Ion Ratio Lower Upper

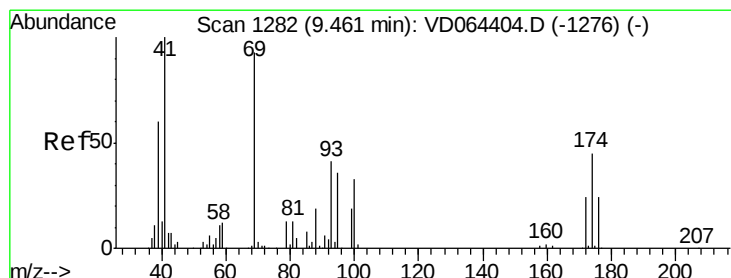
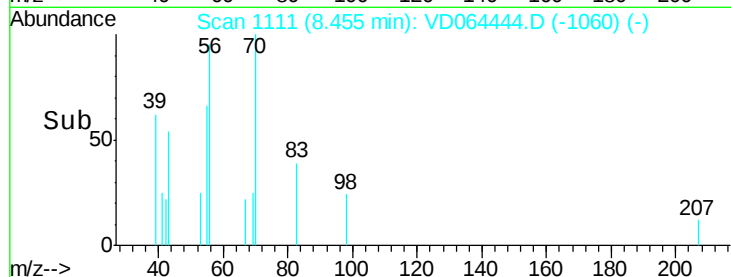
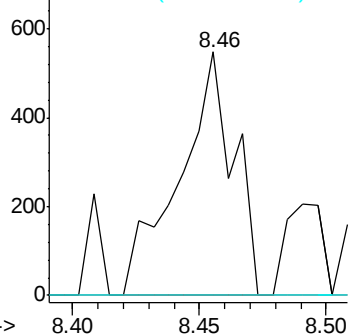
43 100

61 0.0 24.0 36.0#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#48

Methyl methacrylate

Concen: 2.368 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

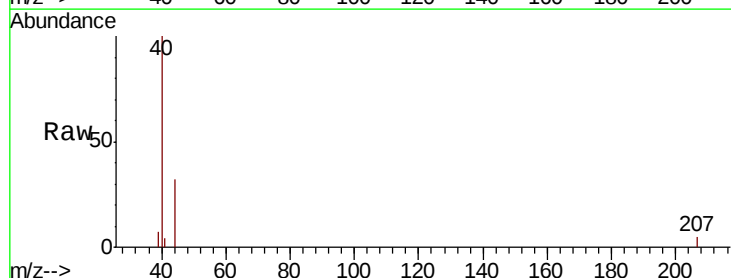
Tgt Ion: 41 Resp: 225

Ion Ratio Lower Upper

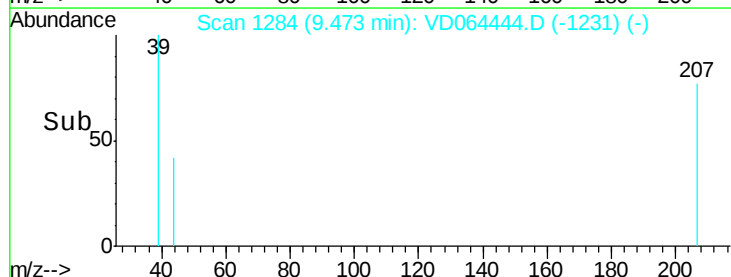
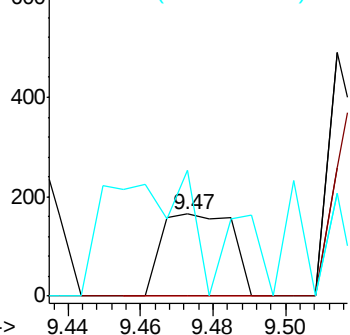
41 100

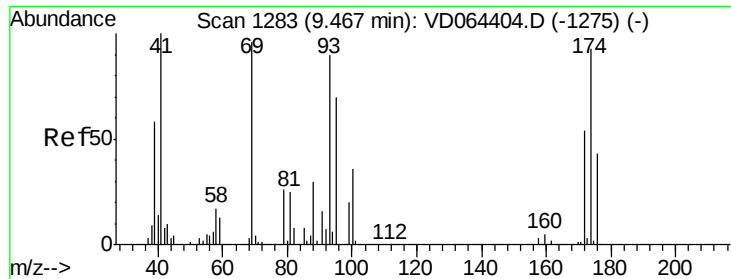
69 0.0 72.0 108.0#

39 168.0 55.2 82.8#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 78.986 ug/l

RT: 9.29 min Scan# 1253

Delta R.T. -0.18 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

EP-3

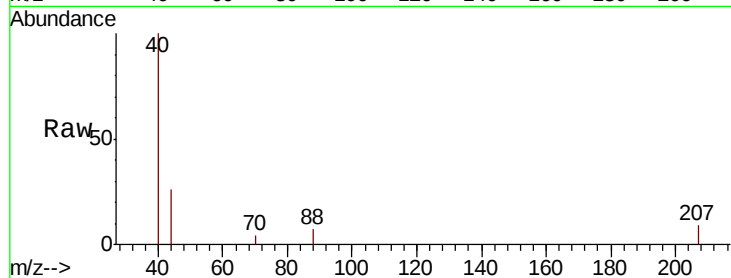
Tot Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 68.1 26.7 40.1#

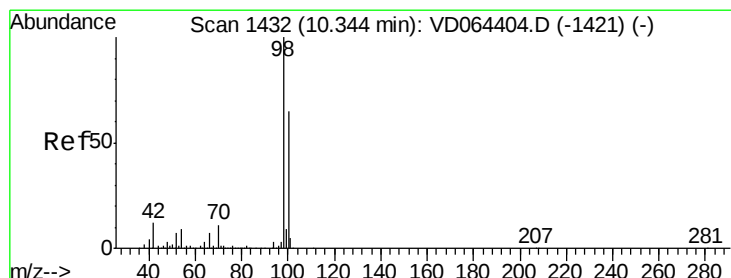
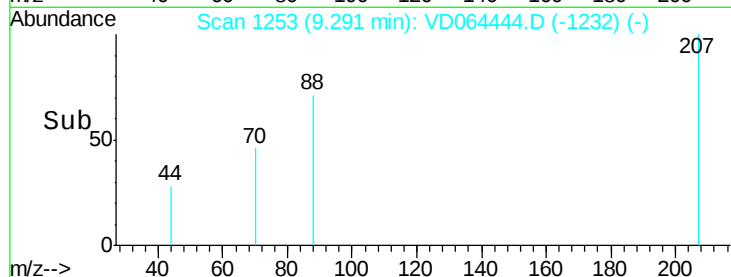
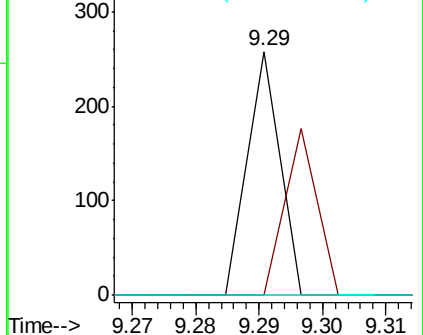
58 0.0 52.3 78.5#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.724 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064444.D

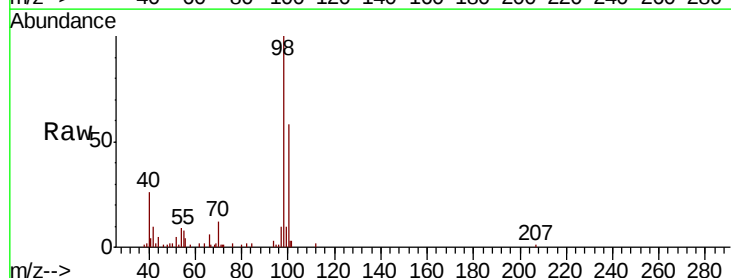
Acq: 05 Dec 2019 18:57

Tgt Ion: 98 Resp: 32923

Ion Ratio Lower Upper

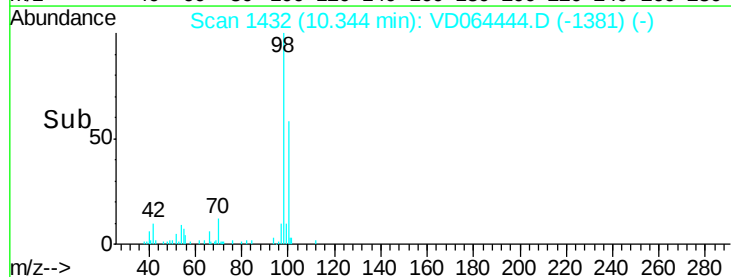
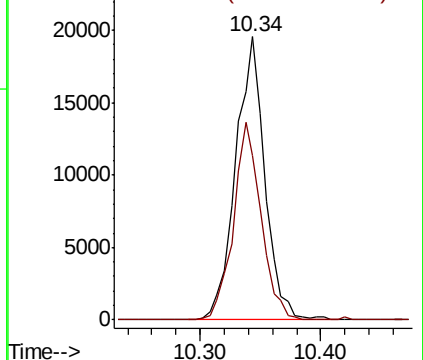
98 100

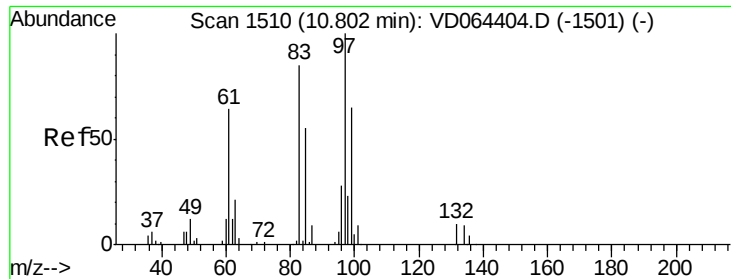
100 65.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#55

1,1,2-Trichloroethane

Concen: 9.691 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

EP-3

Tot Ion: 97 Resp: 1238

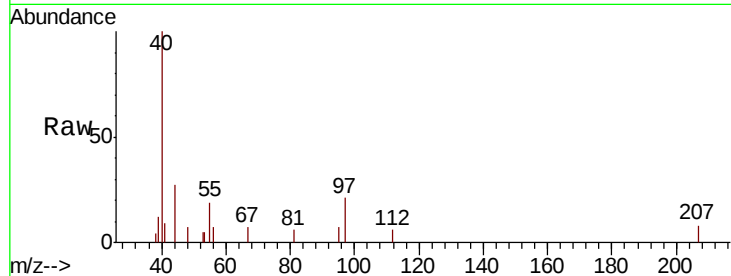
Ion Ratio Lower Upper

97 100

83 0.0 67.8 101.8#

85 0.0 43.7 65.5#

99 0.0 51.7 77.5#

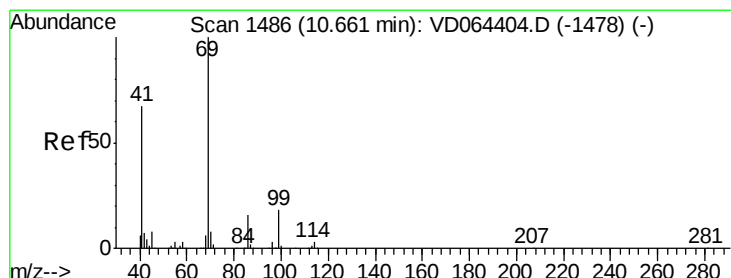
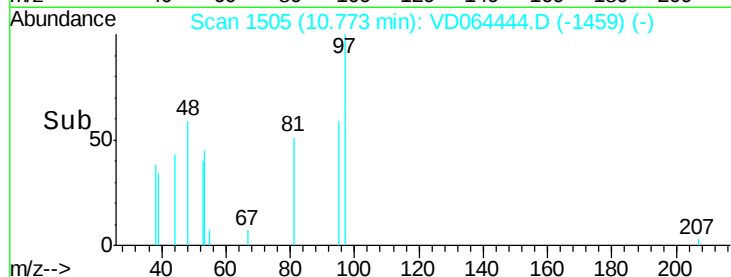
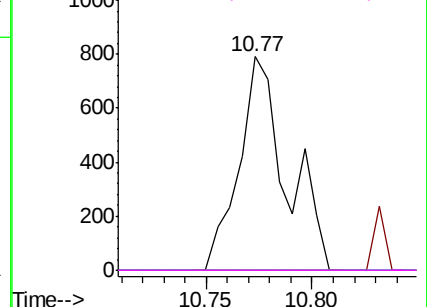


Abundance Ion 96.90 (96.60 to 97.60): VDC

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



#56

Ethyl methacrylate

Concen: 1.215 ug/l

RT: 10.64 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

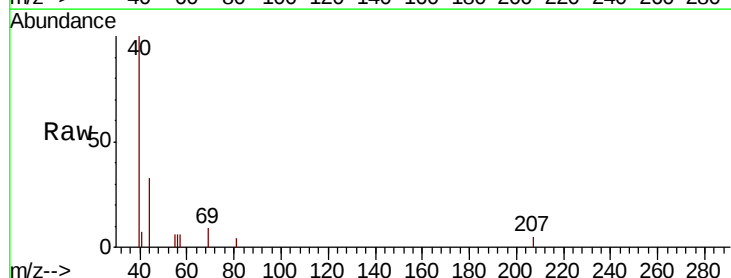
Tgt Ion: 69 Resp: 198

Ion Ratio Lower Upper

69 100

41 0.0 55.0 82.4#

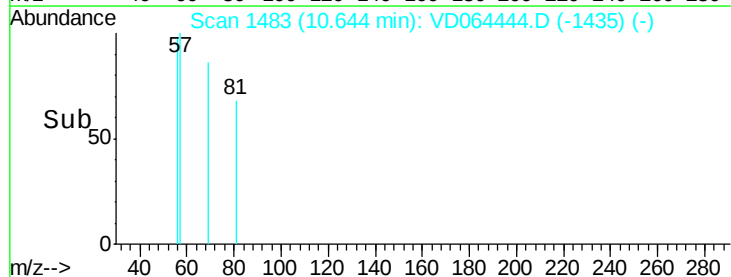
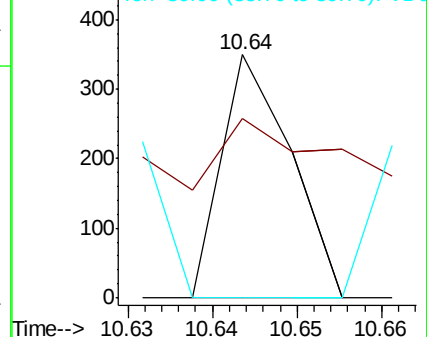
39 0.0 33.0 49.6#

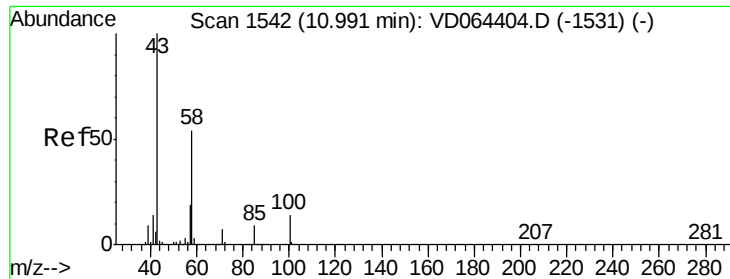


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

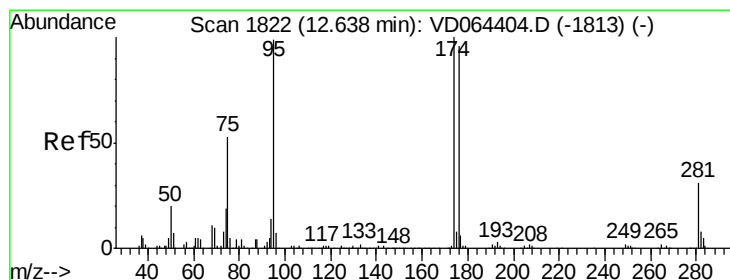
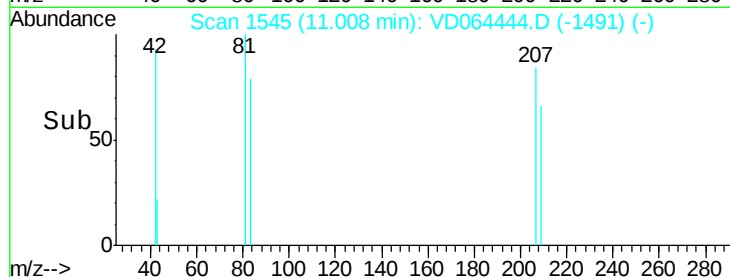
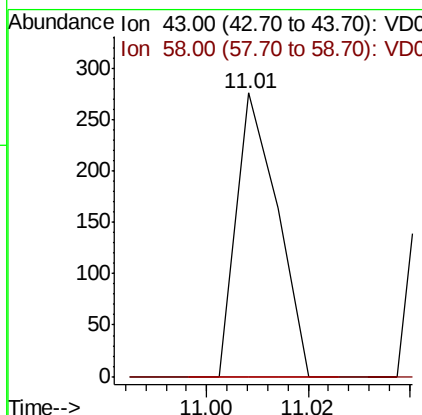
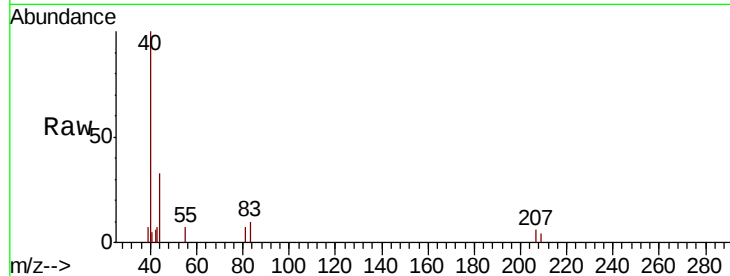




#59
2-Hexanone
Concen: 2.174 ug/l
RT: 11.01 min Scan# 1545
Delta R.T. 0.02 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

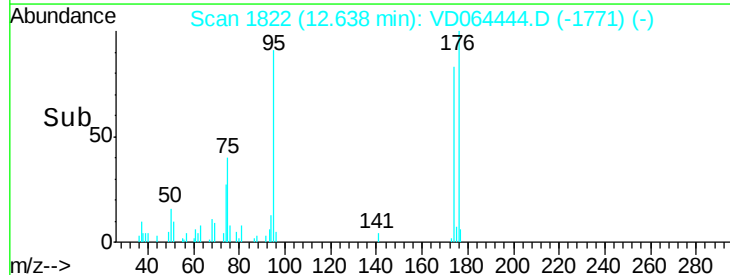
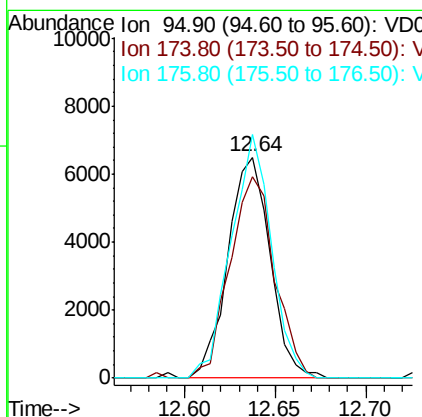
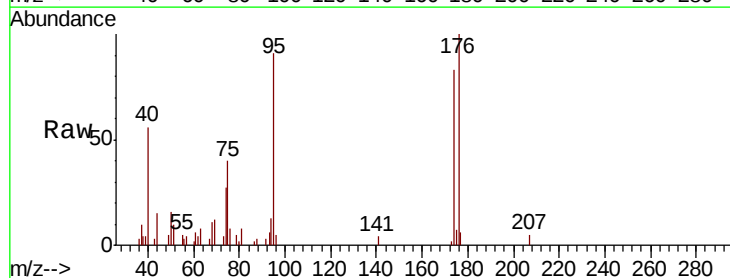
Instrument :
MSVOA_D
ClientSampled :
EP-3

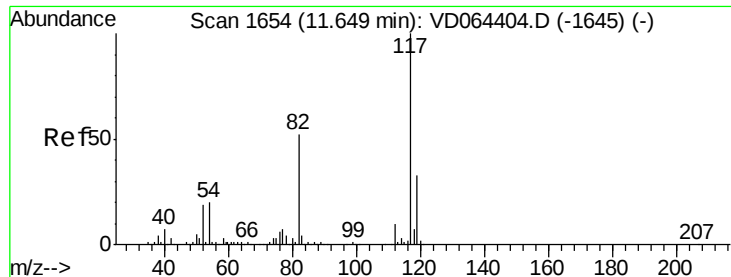
Tot Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 52.516 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

Tgt Ion: 95 Resp: 10539
Ion Ratio Lower Upper
95 100
174 96.7 0.0 197.2
176 105.2 0.0 189.6

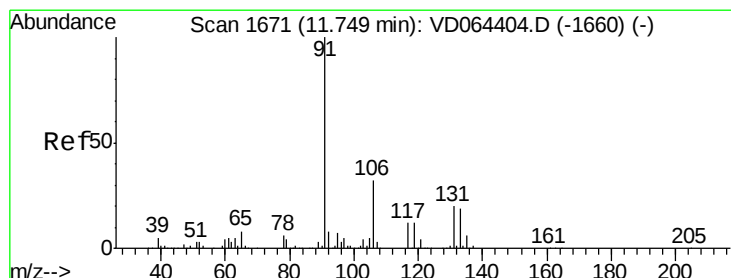
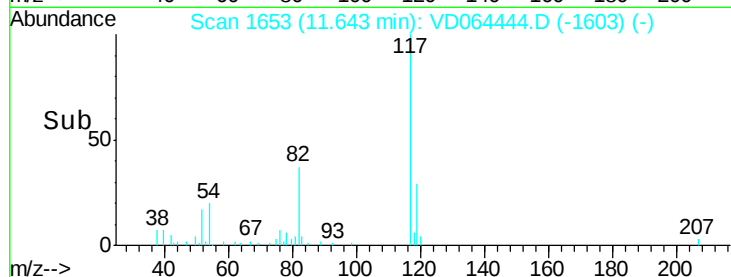
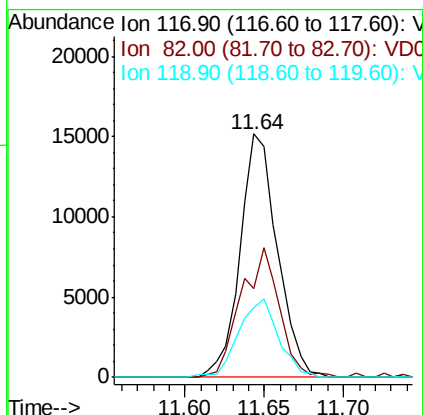
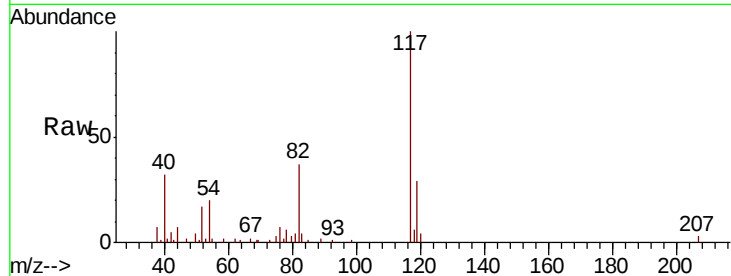




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

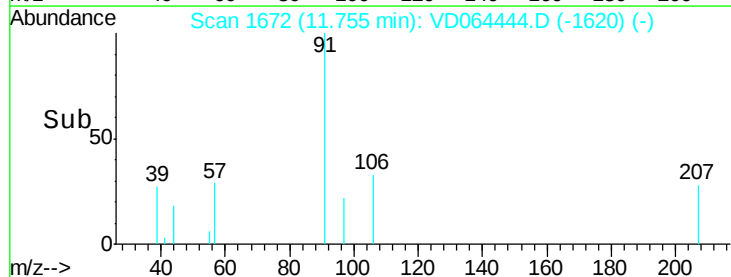
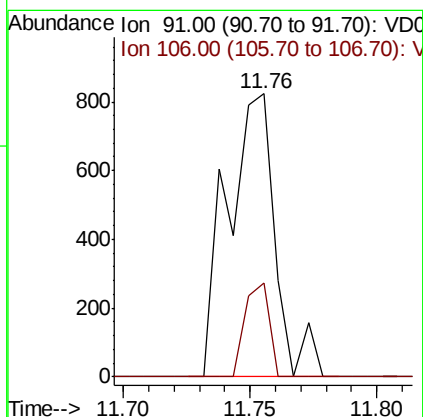
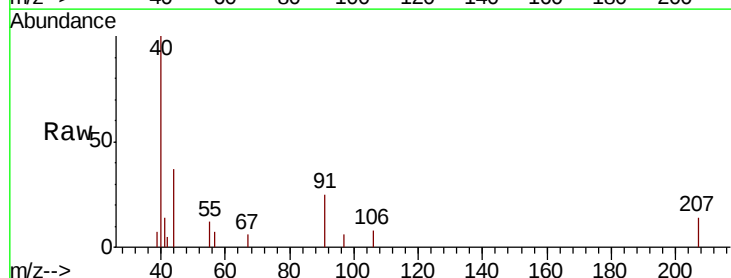
Instrument :
MSVOA_D
ClientSampleID :
EP-3

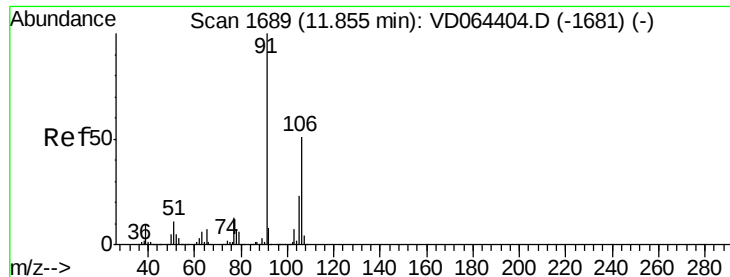
Tot Ion:117 Resp: 24786
Ion Ratio Lower Upper
117 100
82 36.7 41.4 62.2#
119 28.6 26.2 39.2



#67
Ethyl Benzene
Concen: 1.177 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VD064444.D
Acq: 05 Dec 2019 18:57

Tgt Ion: 91 Resp: 1083
Ion Ratio Lower Upper
91 100
106 33.2 25.8 38.8





#68

m/p-Xvlenes

Concen: 2.575 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

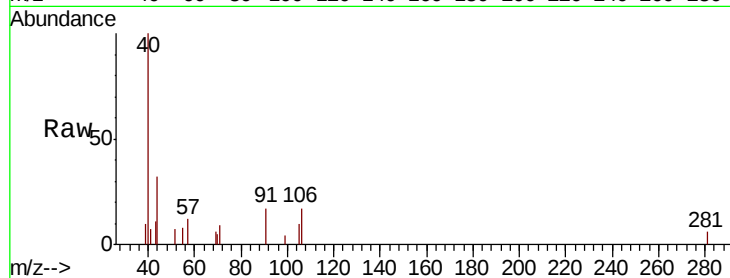
EP-3

Tot Ion:106 Resp: 903

Ion Ratio Lower Upper

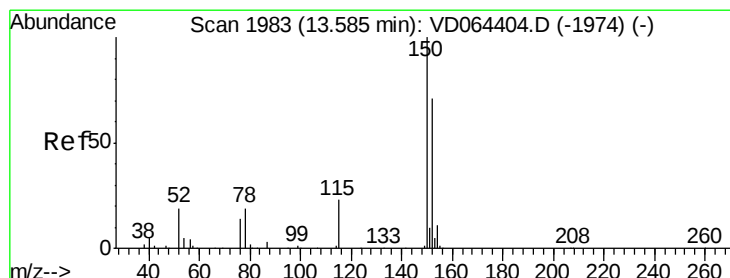
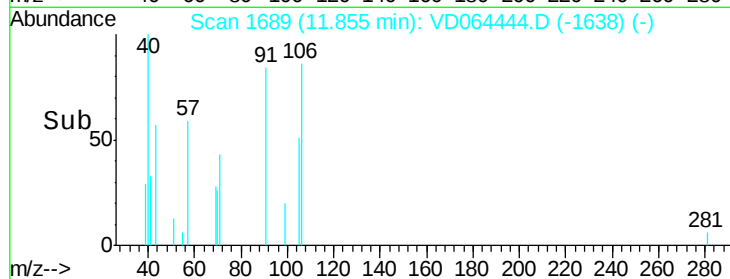
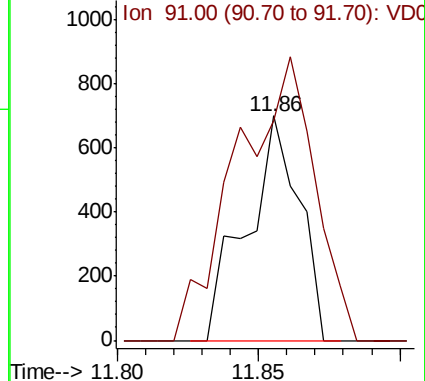
106 100

91 188.0 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

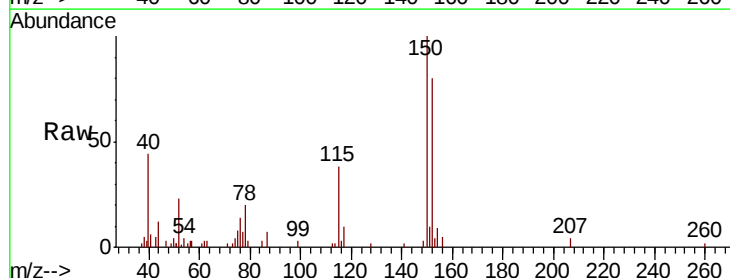
Tgt Ion:152 Resp: 12833

Ion Ratio Lower Upper

152 100

115 56.7 26.7 80.1

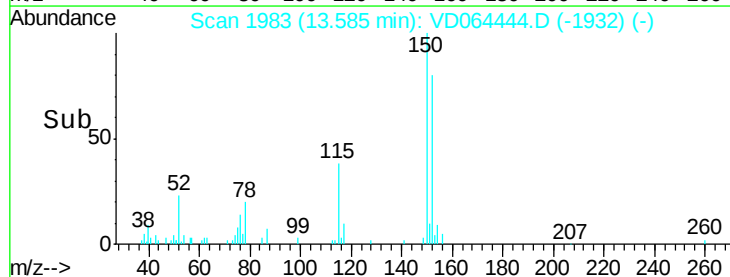
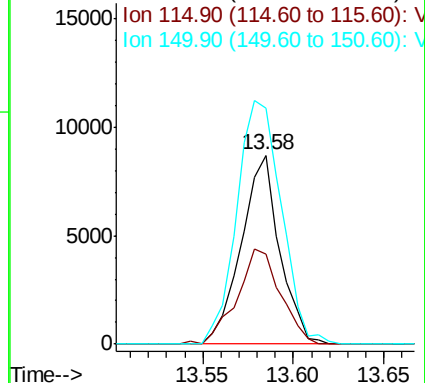
150 149.9 0.0 347.2

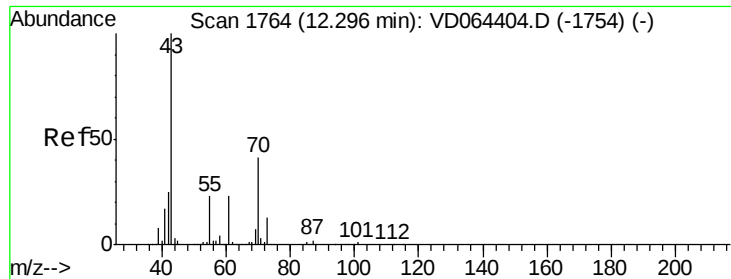


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.160 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampled :

EP-3

Tot Ion: 43 Resp: 243

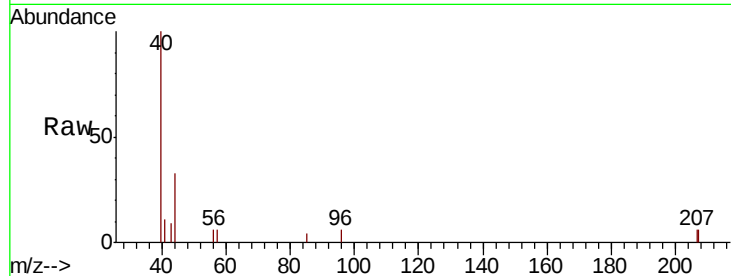
Ion Ratio Lower Upper

43 100

70 23.0 33.4 50.2#

55 22.6 18.9 28.3

61 0.0 18.5 27.7#

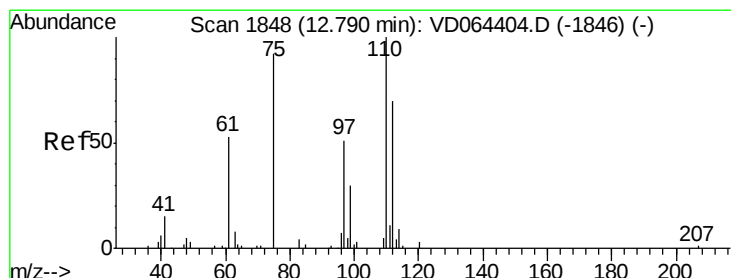
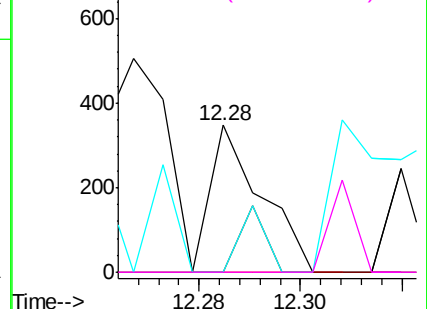
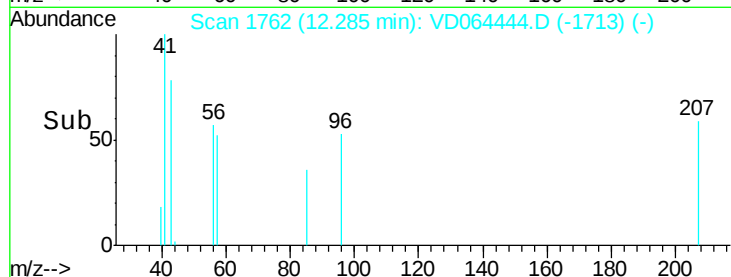


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 49.339 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064444.D

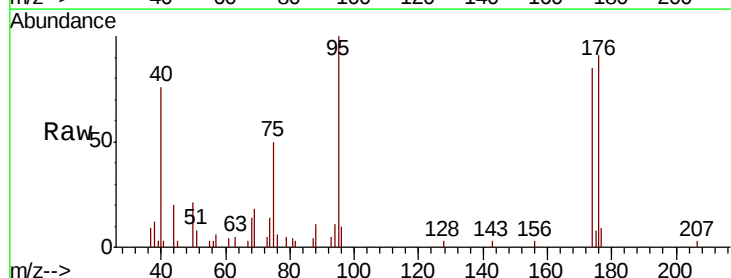
Acq: 05 Dec 2019 18:57

Tgt Ion: 75 Resp: 5207

Ion Ratio Lower Upper

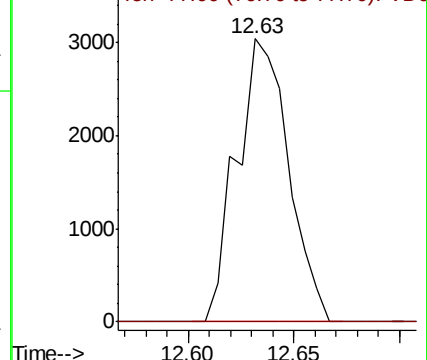
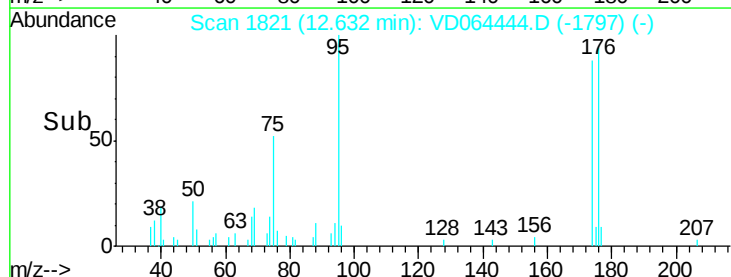
75 100

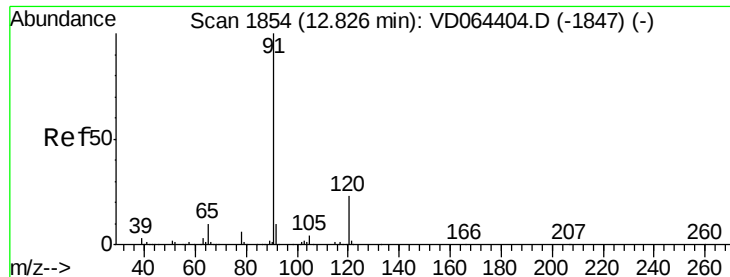
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#78

n-propylbenzene

Concen: 1.413 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampled :

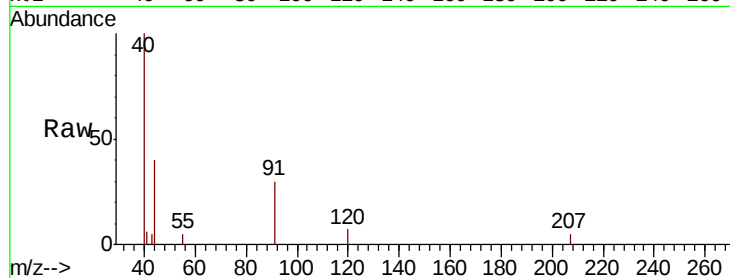
EP-3

Tot Ion: 91 Resp: 1505

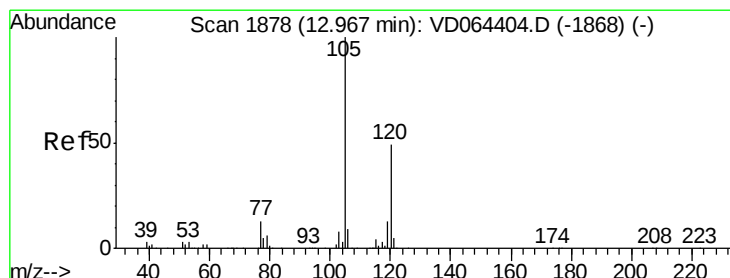
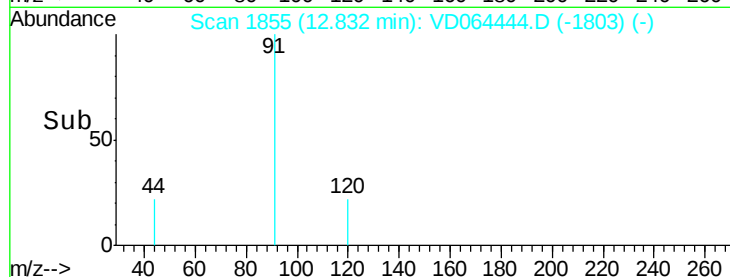
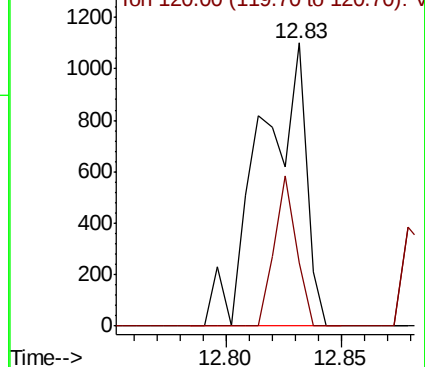
Ion Ratio Lower Upper

91 100

120 25.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 2.603 ug/l

RT: 12.88 min Scan# 1864

Delta R.T. -0.08 min

Lab File: VD064444.D

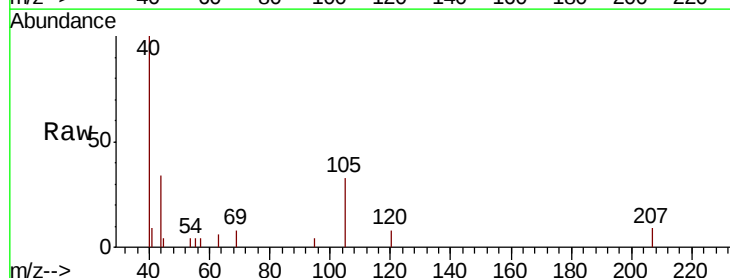
Acq: 05 Dec 2019 18:57

Tgt Ion: 105 Resp: 1963

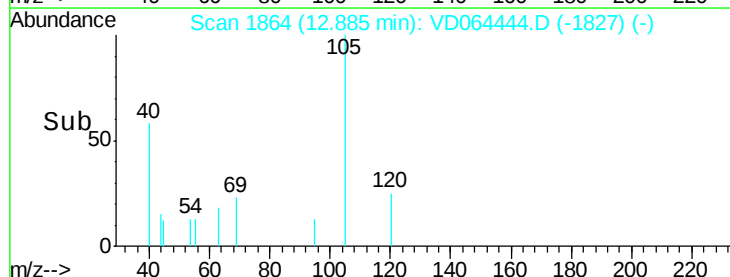
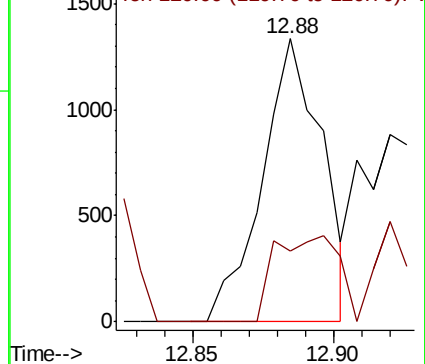
Ion Ratio Lower Upper

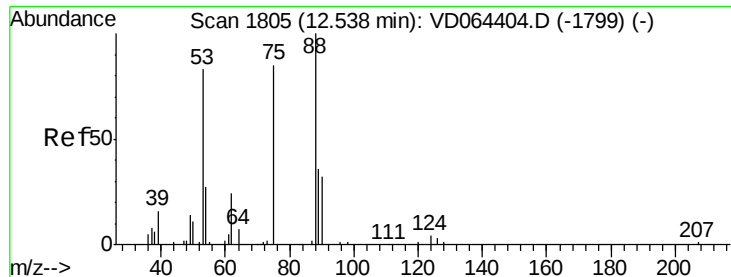
105 100

120 32.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 107.586 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.09 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

EP-3

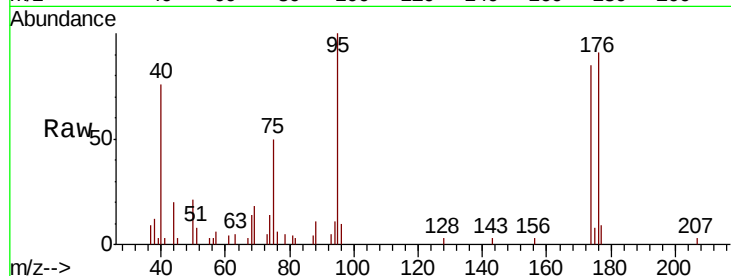
Tot Ion: 75 Resp: 5207

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

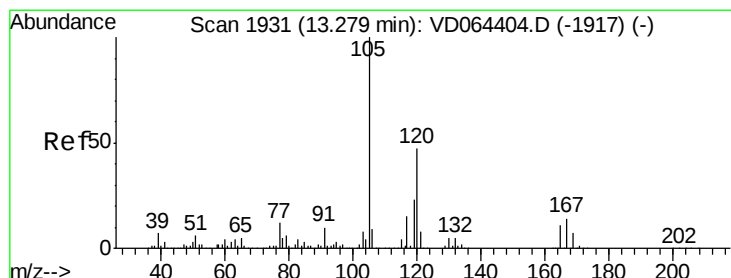
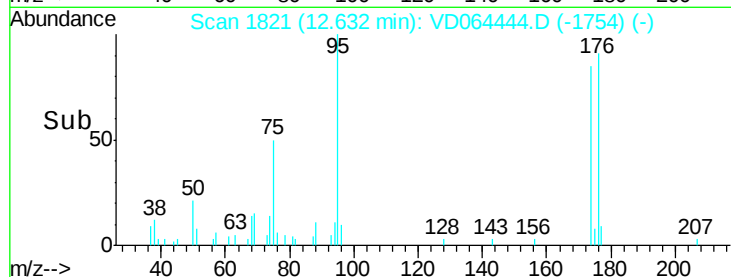
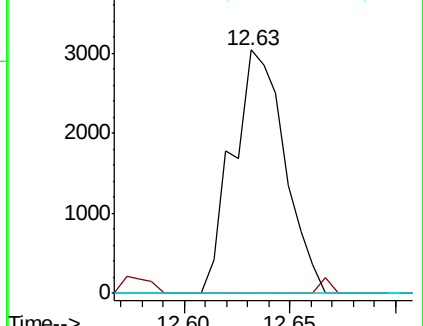
89 0.0 38.5 57.7#



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: 3.255 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD064444.D

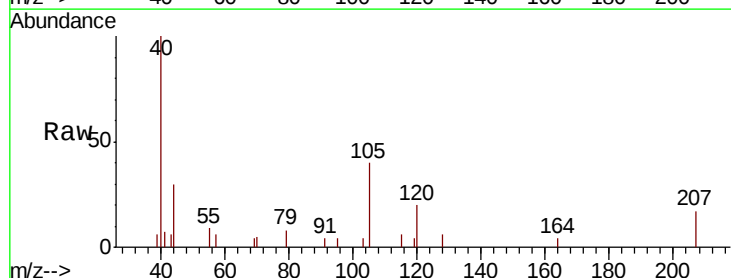
Acq: 05 Dec 2019 18:57

Tgt Ion: 105 Resp: 2469

Ion Ratio Lower Upper

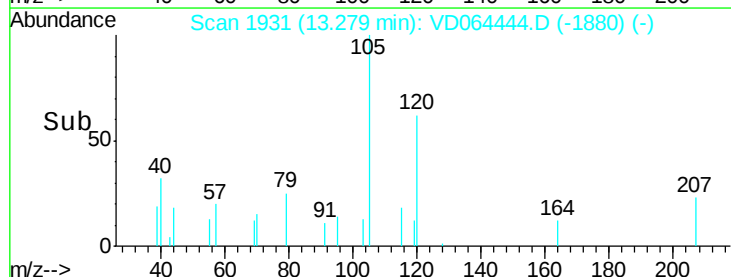
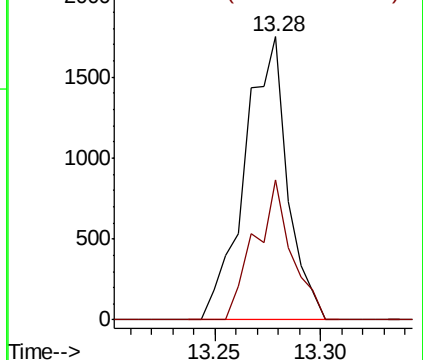
105 100

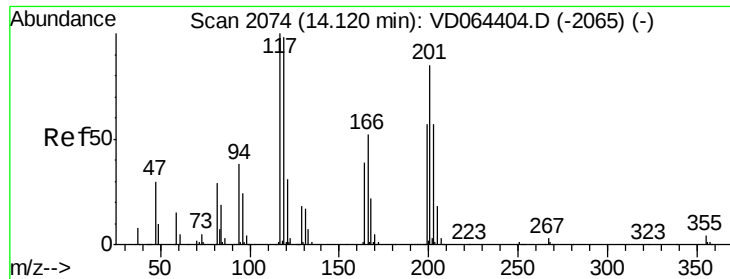
120 42.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 3.687 ug/l

RT: 14.23 min Scan# 2093

Delta R.T. 0.11 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

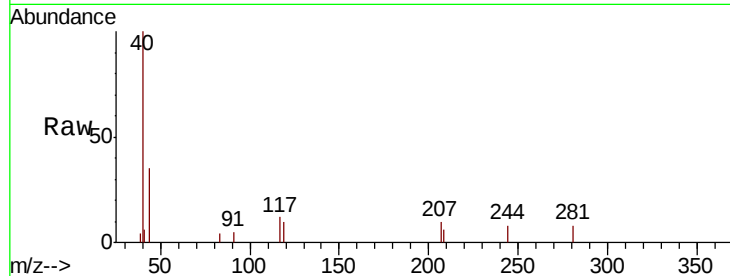
EP-3

Tot Ion:117 Resp: 586

Ion Ratio Lower Upper

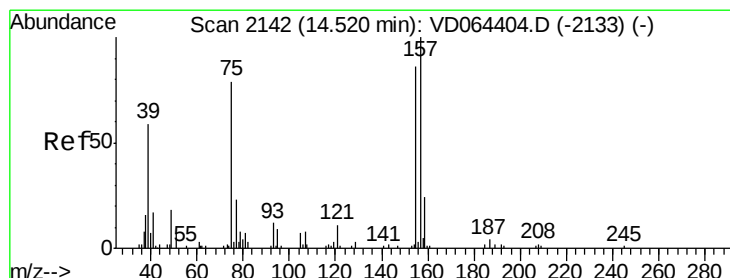
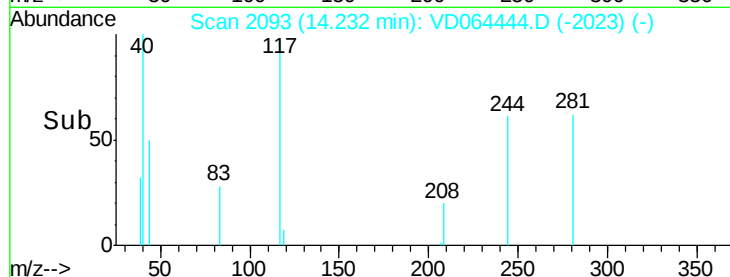
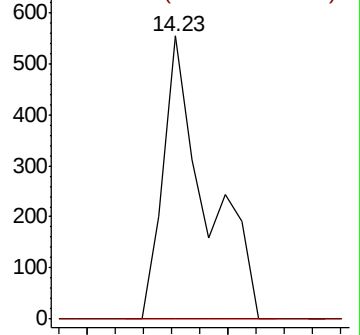
117 100

201 0.0 44.3 132.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.64 min Scan# 2162

Delta R.T. 0.12 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

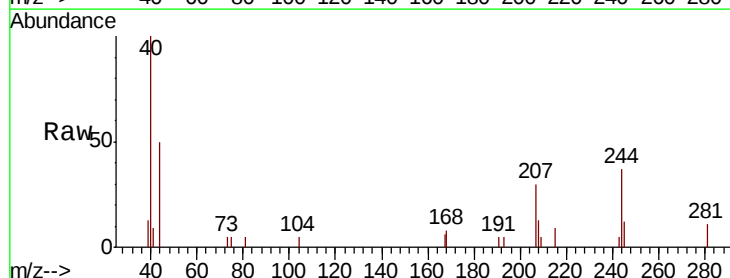
Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

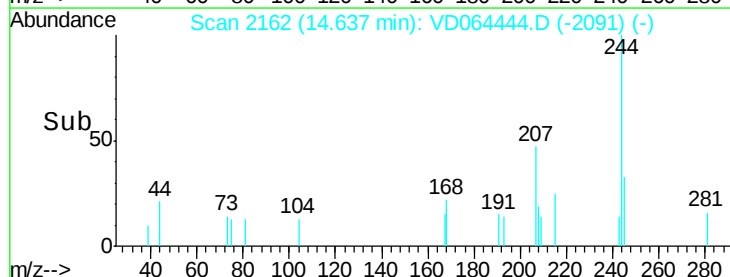
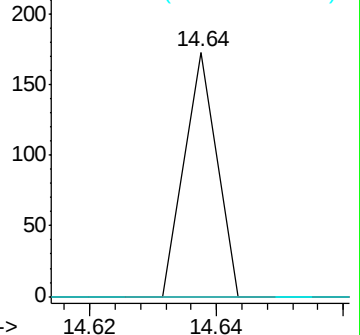
157 0.0 63.2 189.8#

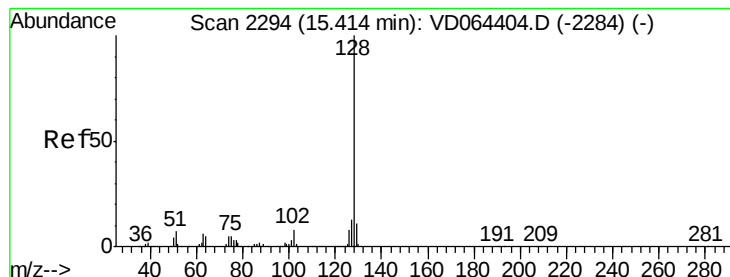


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 1.585 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD064444.D

Acq: 05 Dec 2019 18:57

Instrument :

MSVOA_D

ClientSampleId :

EP-3

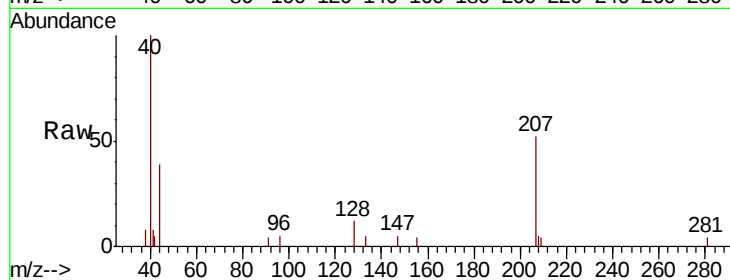
Tot Ion:128 Resp: 749

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

