

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064523.D
 Acq On : 16 Dec 2019 15:06
 Operator : VA/SY
 Sample : K6325-04
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425

Quant Time: Dec 17 01:53:58 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	10290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	15124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	16297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	7856	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	6668	71.59	ug/l	0.00
Spiked Amount			Recovery	=	143.18%	
35) Dibromofluoromethane	7.92	113	4965	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	10.34	98	18188	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.64	95	7225	62.63	ug/l	0.00
Spiked Amount			Recovery	=	125.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	944	8.027	ug/l #	52
4) Vinyl Chloride	2.34	62	138	1.016	ug/l #	26
5) Bromomethane	2.80	94	709	7.061	ug/l #	77
6) Chloroethane	2.93	64	100	1.102	ug/l #	44
10) Methyl Iodide	4.32	142	652	6.379	ug/l #	57
11) Tert butyl alcohol	5.08	59	55	9.277	ug/l #	100
15) Acrylonitrile	5.44	53	72	3.510	ug/l #	77
16) Acetone	4.16	43	811	43.089	ug/l #	87
18) Methyl Acetate	4.72	43	60	1.093	ug/l #	51
20) Methylene Chloride	4.99	84	54	Below Cal	#	5
25) 2-Butanone	7.25	43	120	4.508	ug/l #	49
29) Tetrahydrofuran	7.83	42	64	3.779	ug/l #	33
31) Cyclohexane	7.98	56	375	Below Cal	#	15
36) 1,1-Dichloropropene	8.11	75	202	1.412	ug/l #	40
37) Ethyl Acetate	7.27	43	73	1.203	ug/l #	69
38) Carbon Tetrachloride	7.97	117	909	6.021	ug/l #	11
40) Benzene	8.34	78	548	1.379	ug/l #	51
41) Methacrylonitrile	7.53	41	233	6.693	ug/l #	26
44) Trichloroethene	9.10	130	134	1.120	ug/l	3
46) Dibromomethane	9.71	93	56	1.044	ug/l #	12
51) 4-Methyl-2-Pentanone	10.22	43	169	2.862	ug/l #	37
52) Toluene	10.40	92	627	2.421	ug/l	85
59) 2-Hexanone	10.98	43	347	8.468	ug/l	94
67) Ethyl Benzene	11.74	91	3103	5.131	ug/l #	84
68) m/p-Xylenes	11.85	106	2337	10.135	ug/l	95
69) o-Xylene	12.18	106	899	4.221	ug/l	87
70) Styrene	12.20	104	1204	3.253	ug/l #	79
73) Isopropylbenzene	12.49	105	1990	3.522	ug/l	80
74) N-amyl acetate	12.28	43	301	2.347	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.74	83	160	1.712	ug/l #	1
76) 1,2,3-Trichloropropane	12.76	75	198	3.065	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	5325	11.533	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.64	75	4253	143.545	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.27	105	11115	23.940	ug/l	99

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

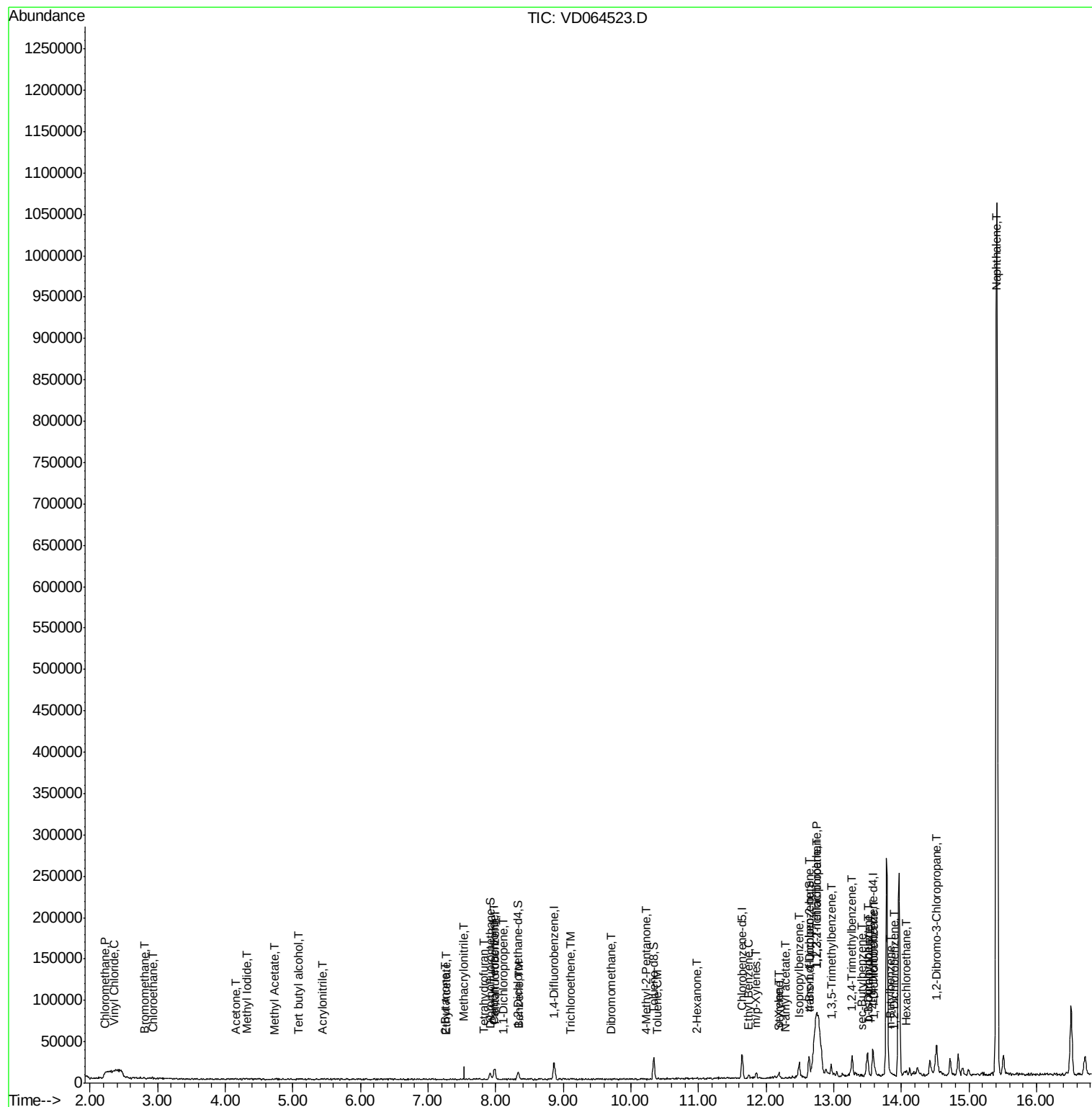
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.41	105	583	1.058	ug/l #	55
86) p-Isopropyltoluene	13.52	119	1193	2.294	ug/l #	60
87) 1,3-Dichlorobenzene	13.53	146	345	1.303	ug/l #	3
88) 1,4-Dichlorobenzene	13.60	146	334	1.277	ug/l #	55
89) n-Butylbenzene	13.85	91	1028	2.176	ug/l #	71
90) Hexachloroethane	14.08	117	481	4.944	ug/l #	5
91) 1,2-Dichlorobenzene	13.90	146	304	1.343	ug/l #	41
92) 1,2-Dibromo-3-Chloropropan	14.53	75	973	71.585	ug/l #	1
95) Naphthalene	15.41	128	931749	3221.131	ug/l	99

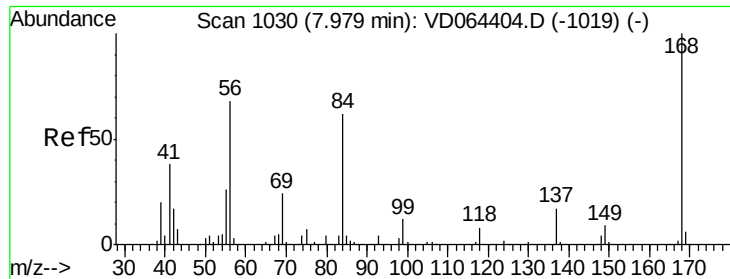
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

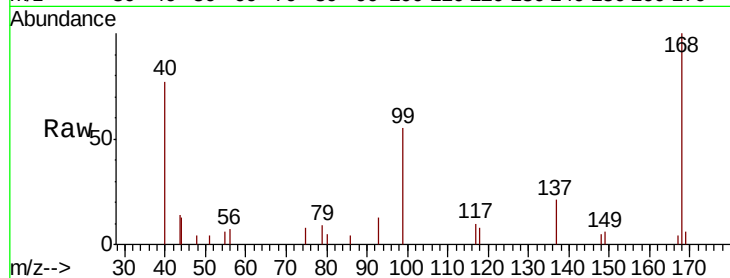
RT-3425

Tot Ion:168 Resp: 10290

Ion Ratio Lower Upper

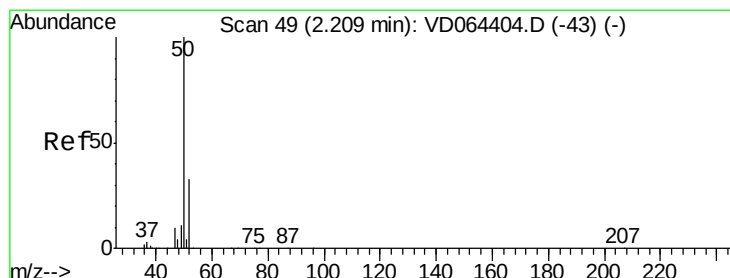
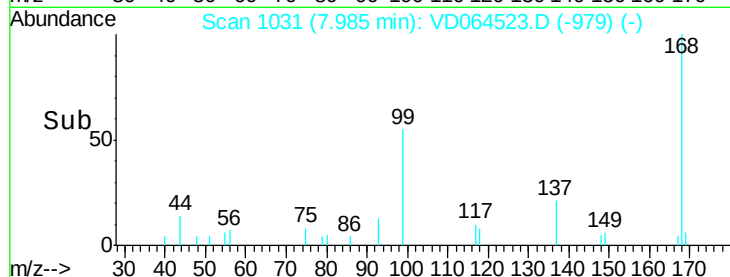
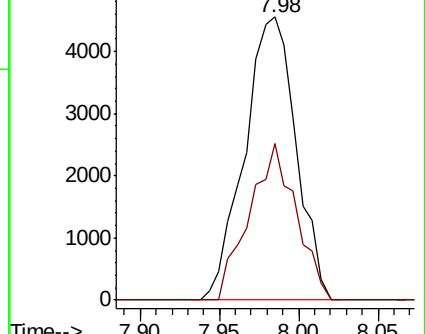
168 100

99 55.2 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: 8.027 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064523.D

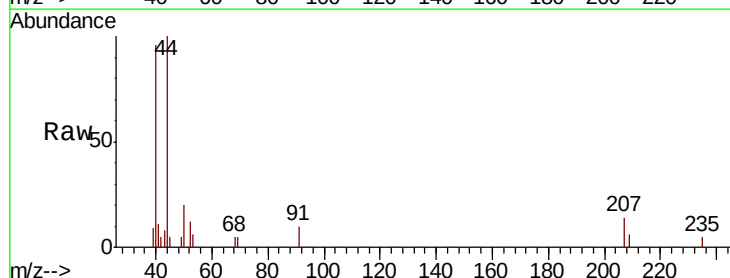
Acq: 16 Dec 2019 15:06

Tgt Ion: 50 Resp: 944

Ion Ratio Lower Upper

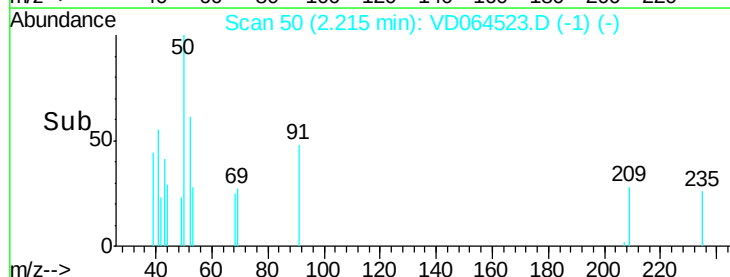
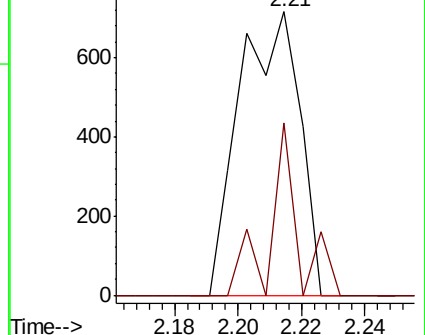
50 100

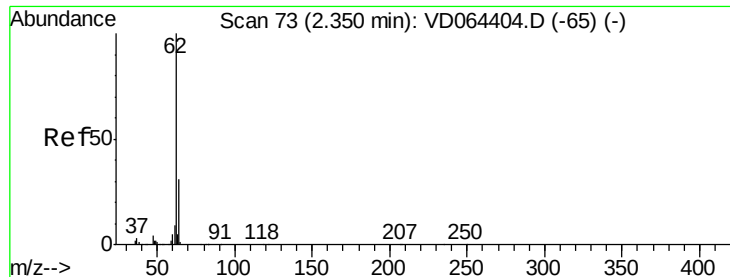
52 60.9 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.016 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleID :

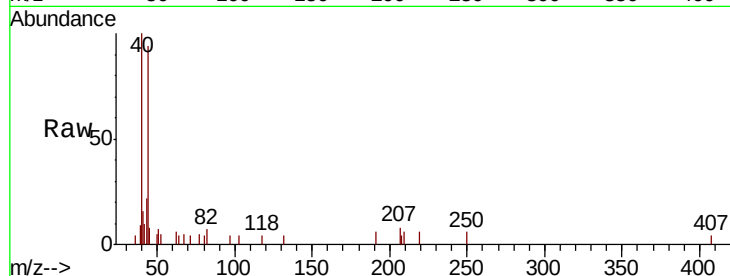
RT-3425

Tot Ion: 62 Resp: 138

Ion Ratio Lower Upper

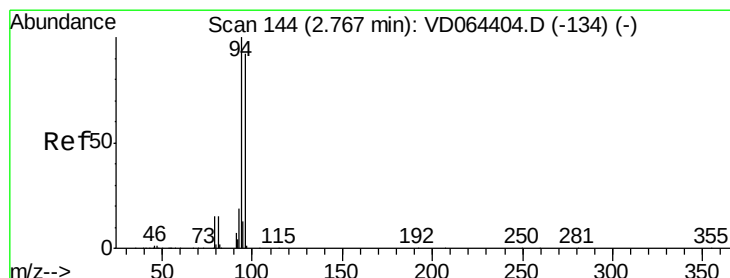
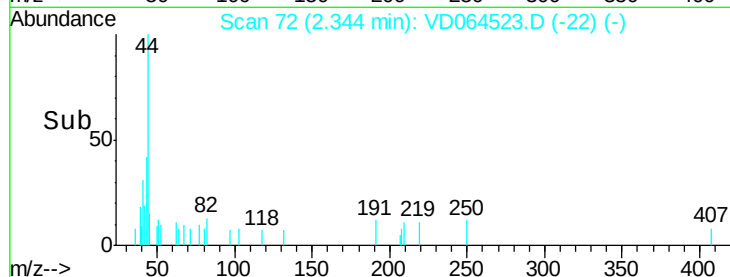
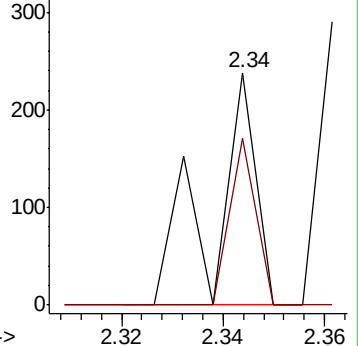
62 100

64 71.8 25.0 37.4#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



#5

Bromomethane

Concen: 7.061 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD064523.D

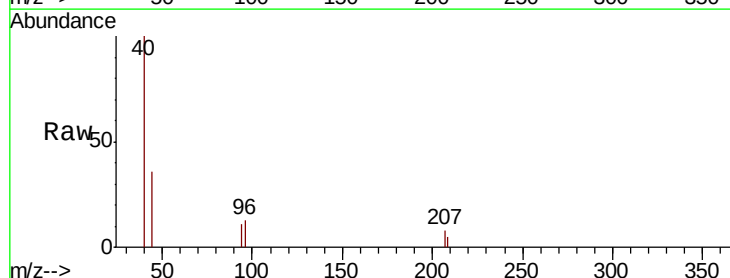
Acq: 16 Dec 2019 15:06

Tgt Ion: 94 Resp: 709

Ion Ratio Lower Upper

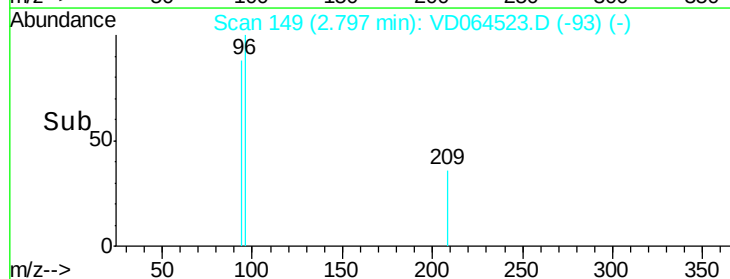
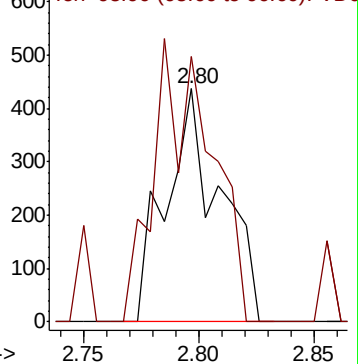
94 100

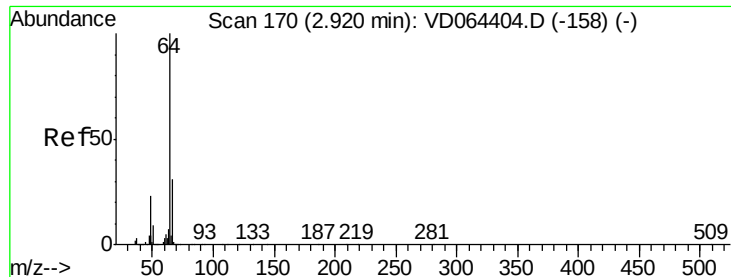
96 113.7 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 1.102 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

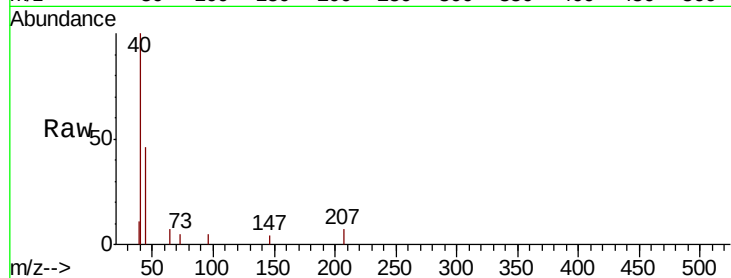
RT-3425

Tot Ion: 64 Resp: 100

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

2.93

300

250

200

150

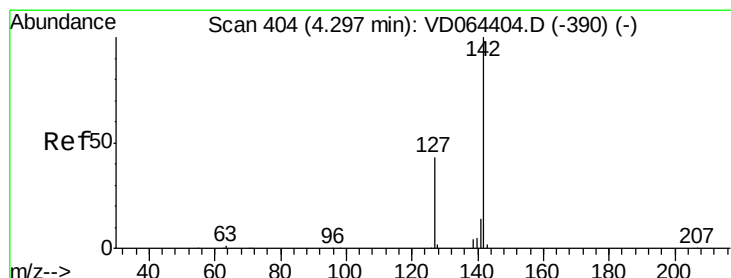
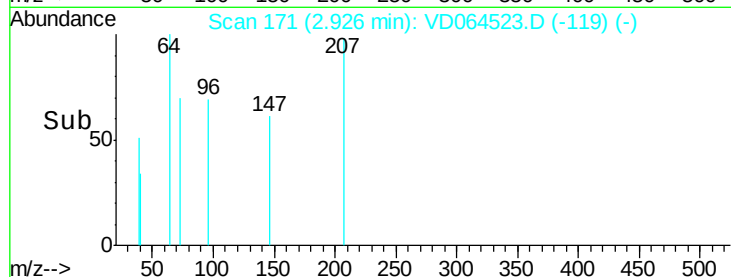
100

50

0

2.91 2.92 2.93 2.94

Time-->



#10

Methyl Iodide

Concen: 6.379 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.02 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

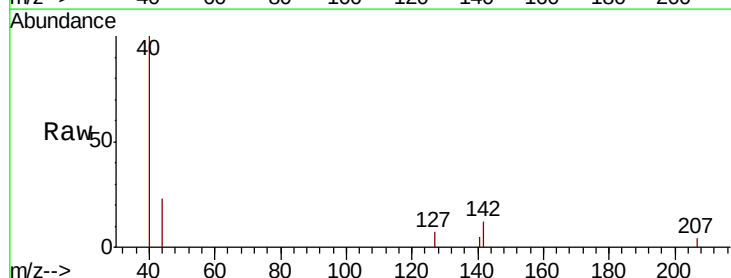
Tgt Ion: 142 Resp: 652

Ion Ratio Lower Upper

142 100

127 9.4 35.3 52.9#

141 10.1 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

4.32

500

400

300

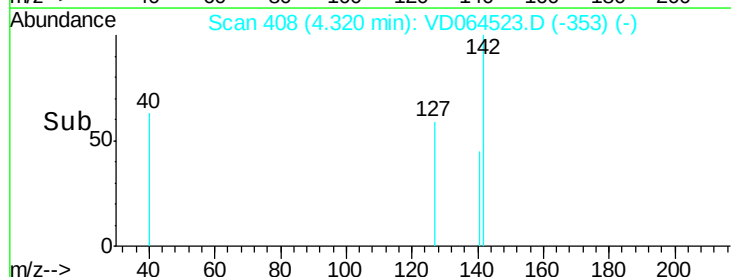
200

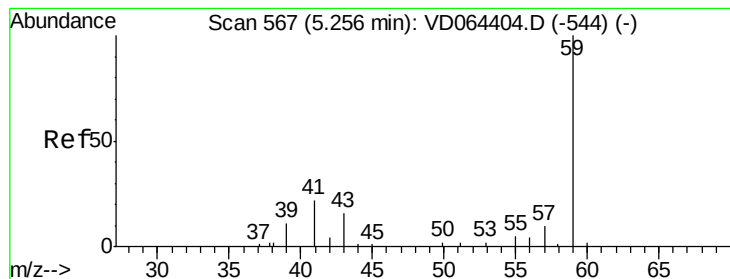
100

0

4.26 4.28 4.30 4.32 4.34

Time-->





#11

Tert butyl alcohol

Concen: 9.277 ug/l

RT: 5.08 min Scan# 537

Delta R.T. -0.18 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

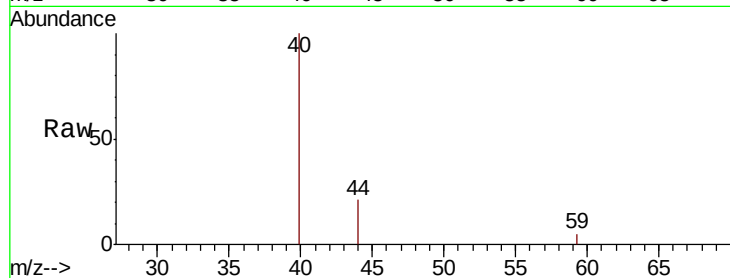
RT-3425

Tot Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.08

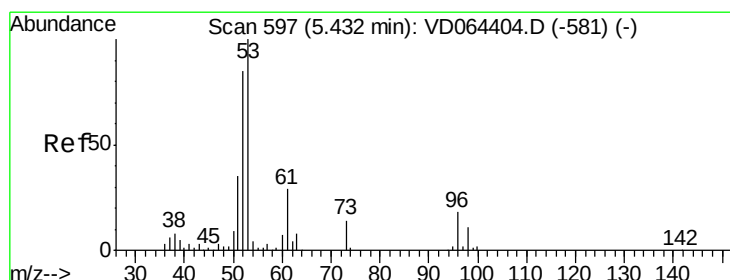
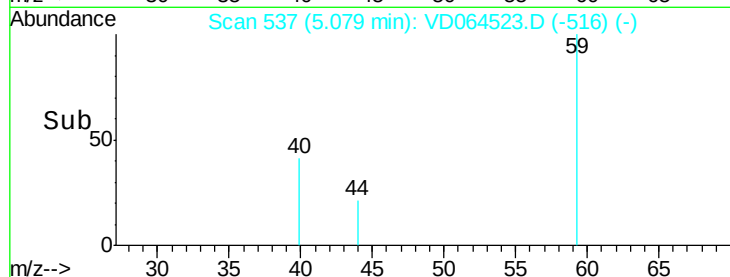
150

100

50

0

Time-->



#15

Acrylonitrile

Concen: 3.510 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

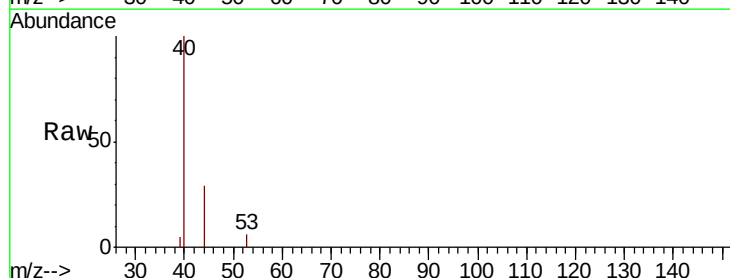
Tgt Ion: 53 Resp: 72

Ion Ratio Lower Upper

53 100

52 80.6 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

5.44

250

200

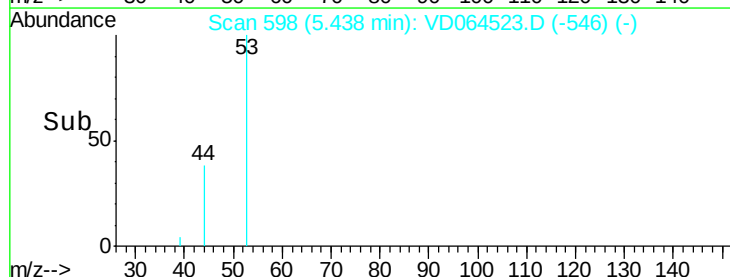
150

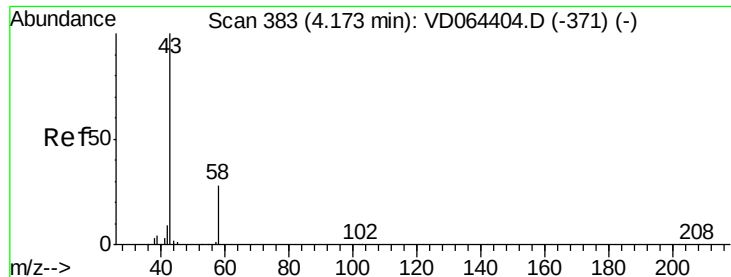
100

50

0

Time-->





#16

Acetone

Concen: 43.089 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

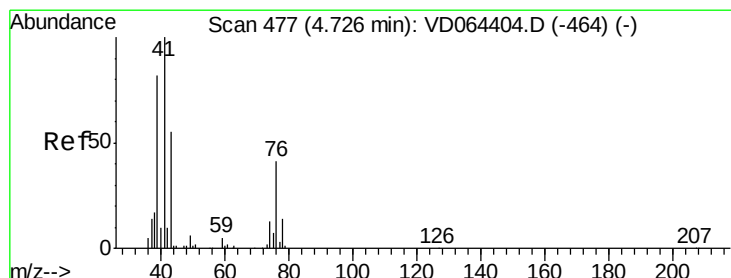
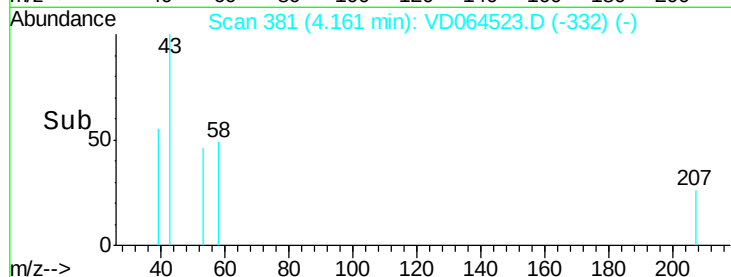
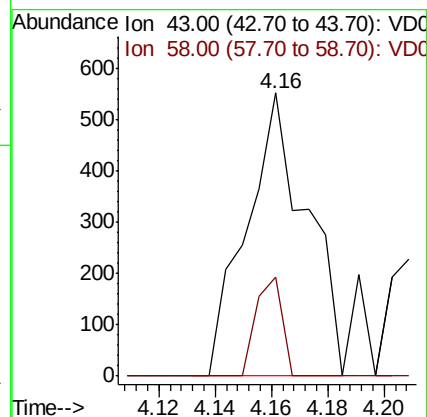
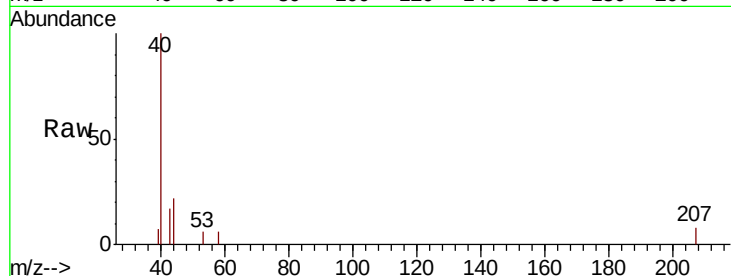
RT-3425

Tot Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

58 35.1 22.6 33.8#



#18

Methyl Acetate

Concen: 1.093 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064523.D

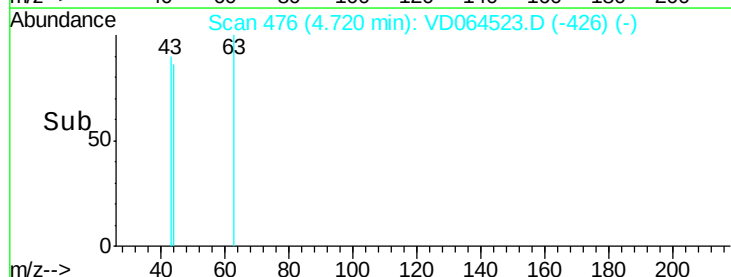
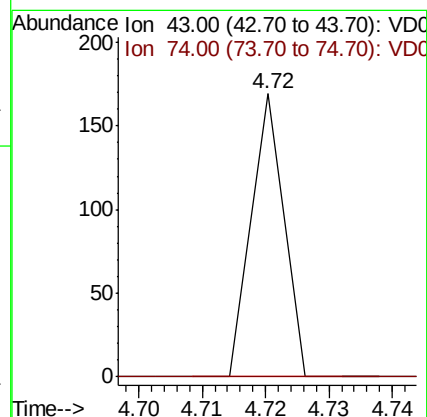
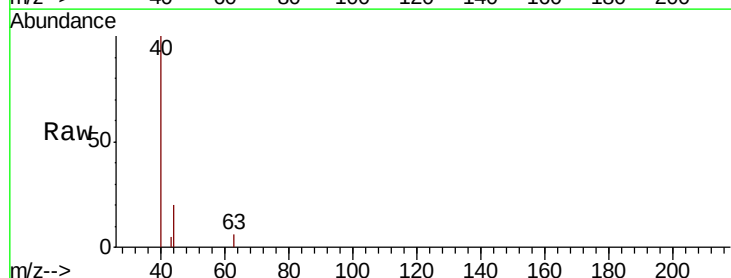
Acq: 16 Dec 2019 15:06

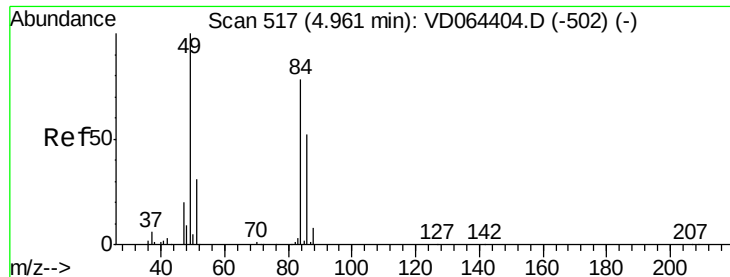
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#

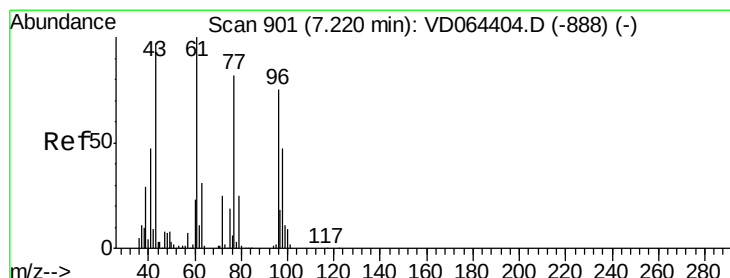
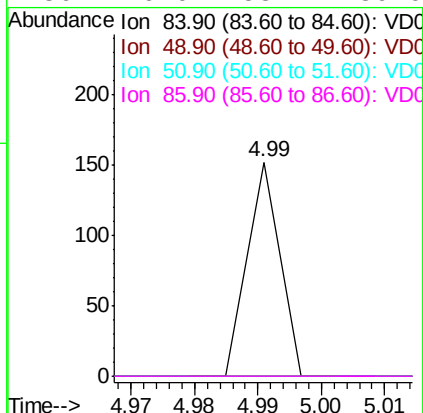
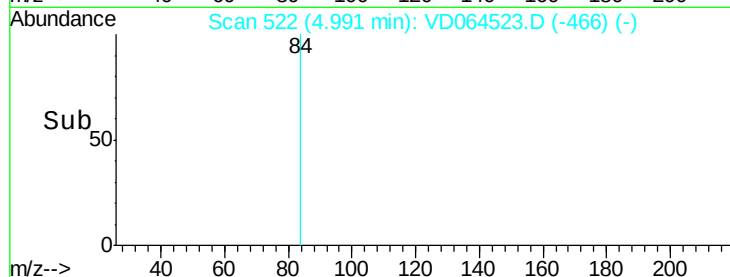
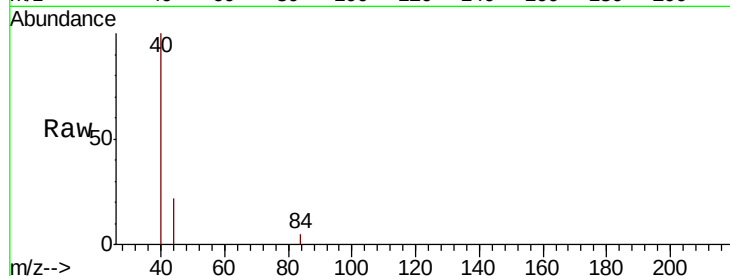




#20
Methylene Chloride
Concen: Below Cal
RT: 4.99 min Scan# 522
Delta R.T. 0.03 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

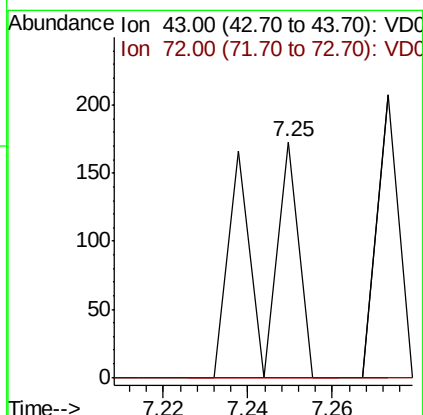
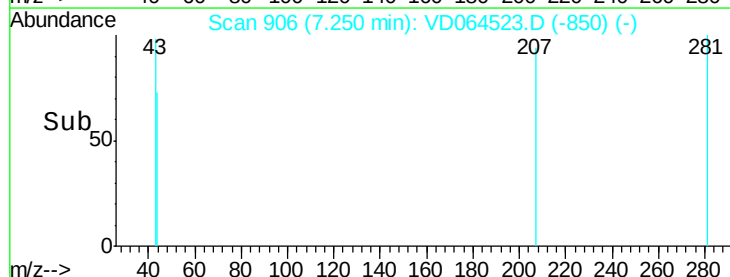
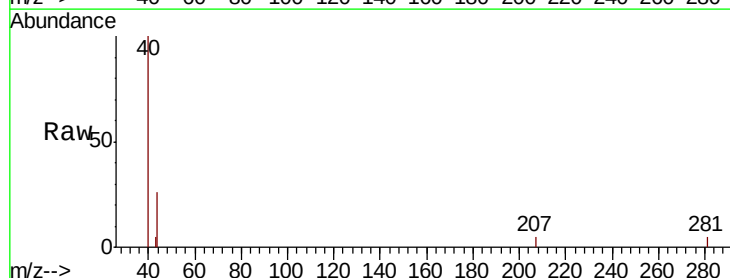
Instrument :
MSVOA_D
ClientSampleId :
RT-3425

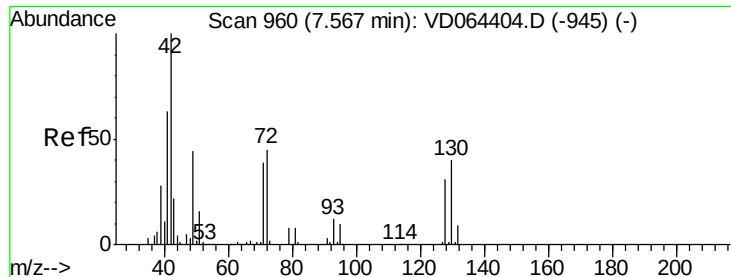
Tot Ion	Ratio	Lower	Upper
84	100		
49	0.0	102.6	153.8#
51	0.0	32.0	48.0#
86	0.0	53.4	80.0#



#25
2-Butanone
Concen: 4.508 ug/l
RT: 7.25 min Scan# 906
Delta R.T. 0.03 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#

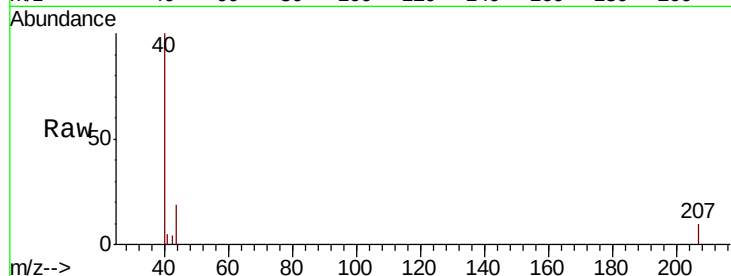




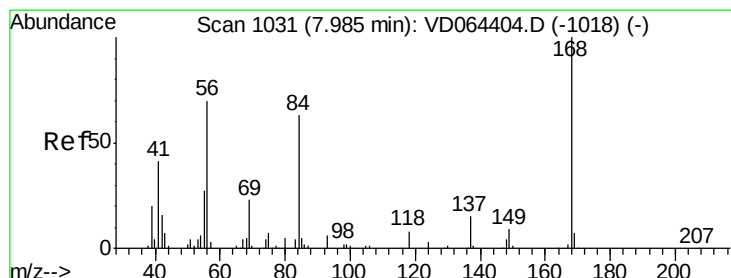
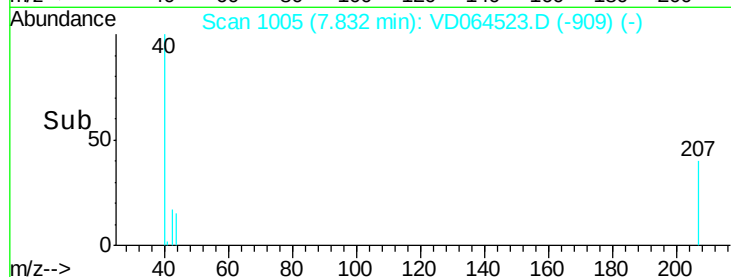
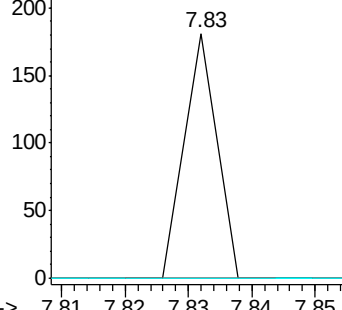
#29
Tetrahydrofuran
Concen: 3.779 ug/l
RT: 7.83 min Scan# 1005
Delta R.T. 0.26 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Instrument :
MSVOA_D
ClientSampleID :
RT-3425

Tot Ion: 42 Resp: 64
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 0.0 32.7 49.1#

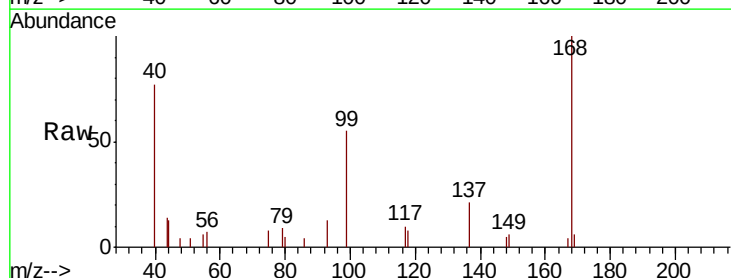


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

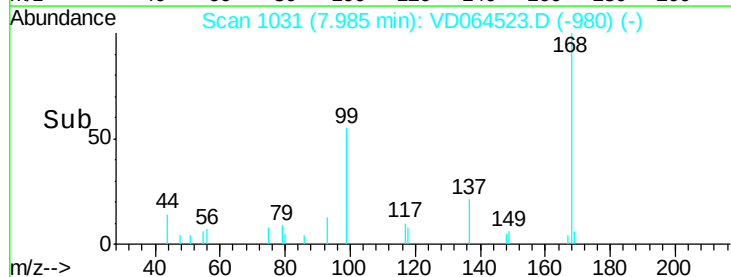
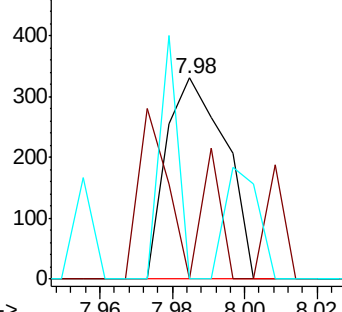


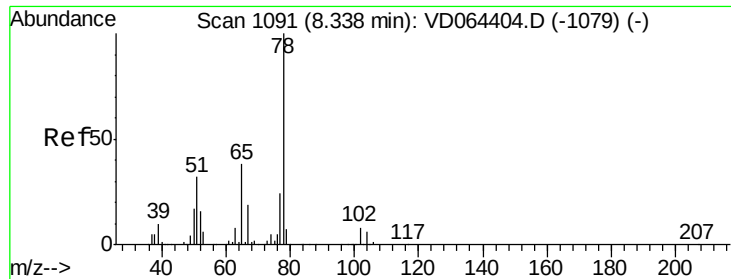
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Tgt Ion: 56 Resp: 375
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

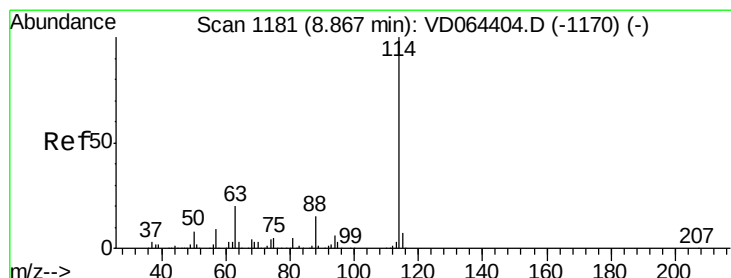
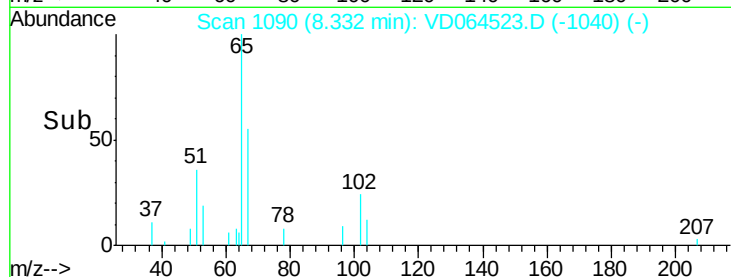
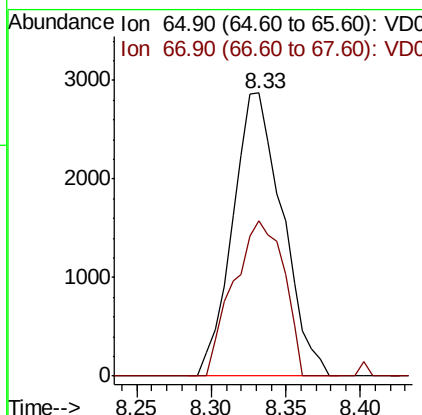
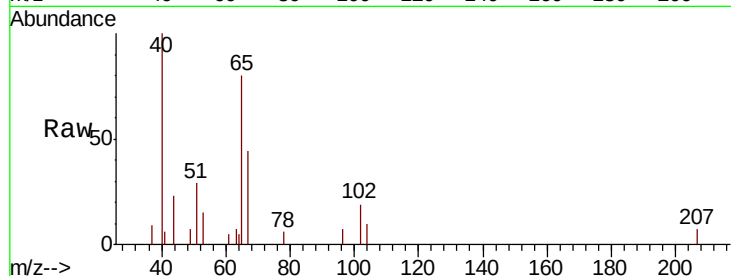




#33
 1,2-Dichloroethane-d4
 Concen: 71.592 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

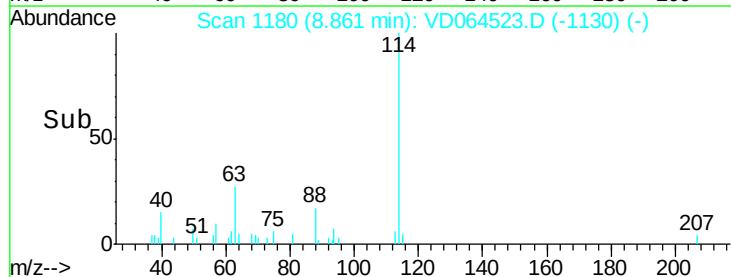
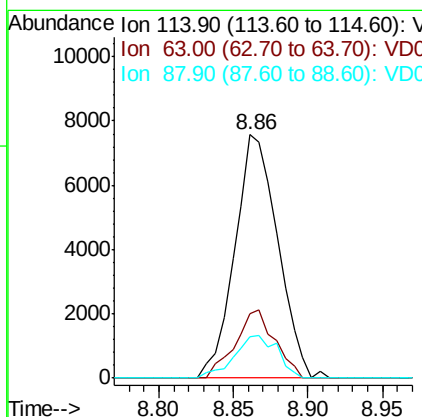
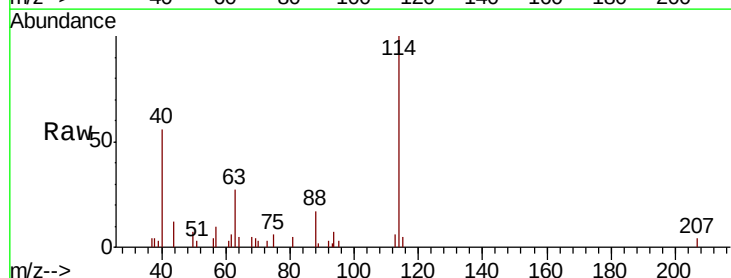
Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425

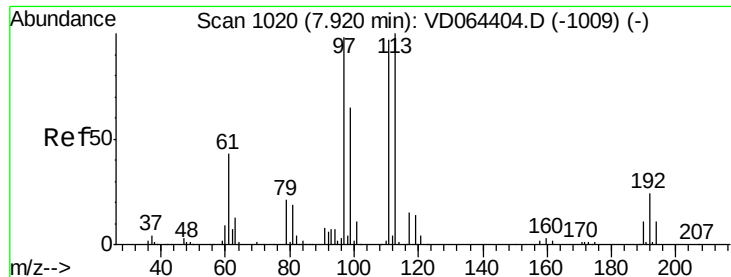
Tot Ion: 65 Resp: 6668
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

Tgt Ion: 114 Resp: 15124
 Ion Ratio Lower Upper
 114 100
 63 26.5 0.0 40.0
 88 17.1 0.0 29.2





#35

Dibromofluoromethane

Concen: 52.105 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

RT-3425

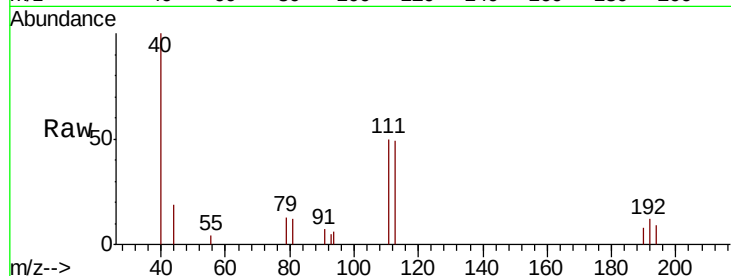
Tot Ion:113 Resp: 4965

Ion Ratio Lower Upper

113 100

111 90.7 79.4 119.2

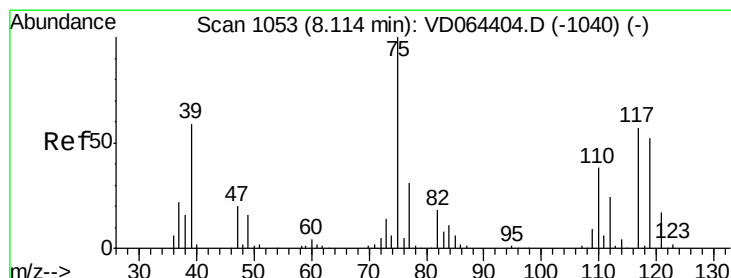
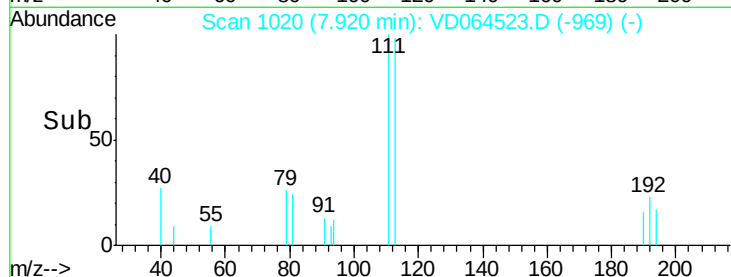
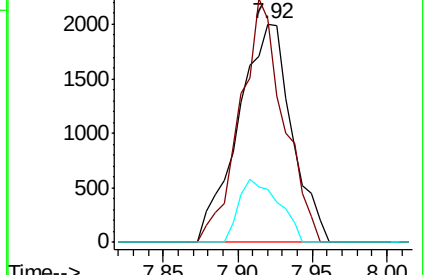
192 21.7 18.6 28.0



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: 1.412 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

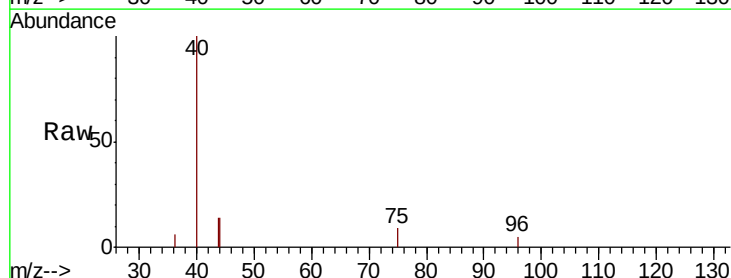
Tgt Ion: 75 Resp: 202

Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.8#

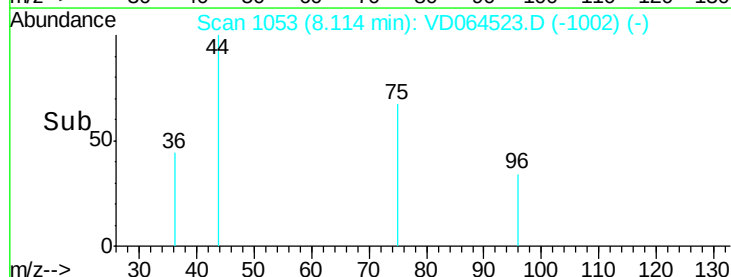
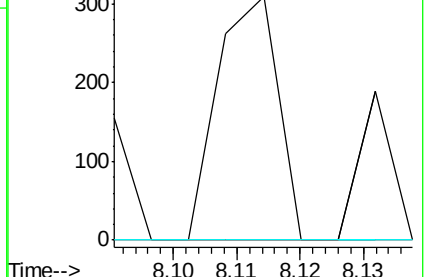
77 0.0 25.0 37.4#

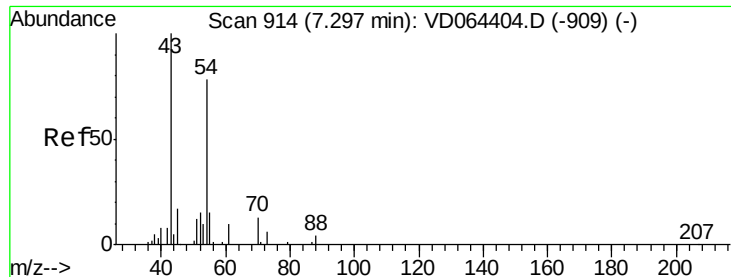


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

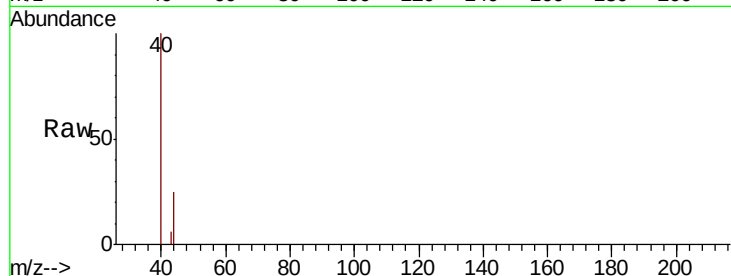




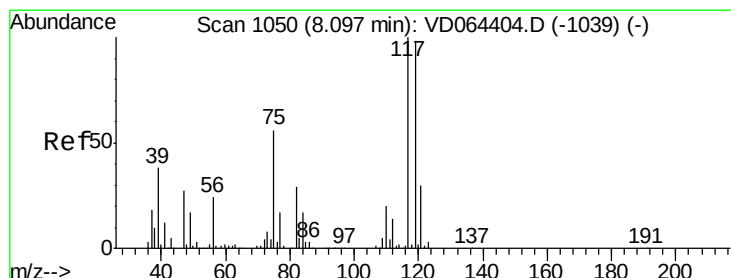
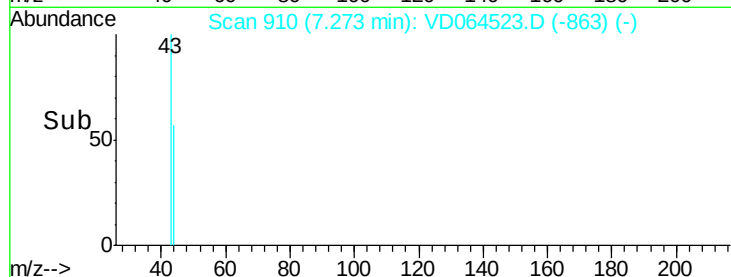
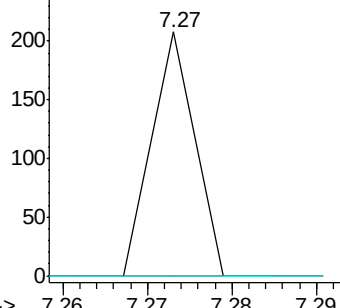
#37
Ethyl Acetate
Concen: 1.203 ug/l
RT: 7.27 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Instrument :
MSVOA_D
ClientSampled :
RT-3425

Tot Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.3 12.5#

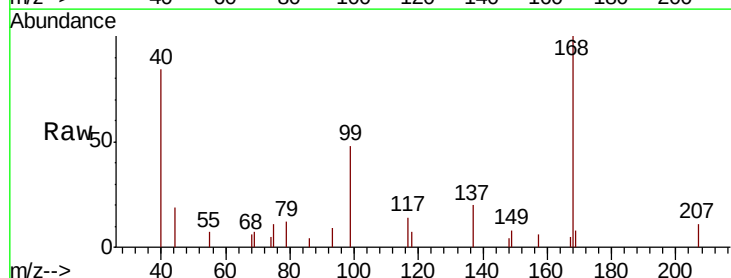


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

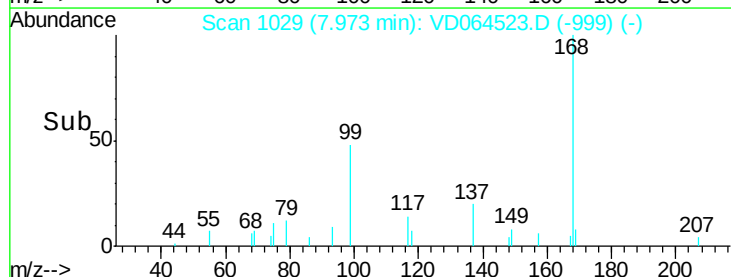
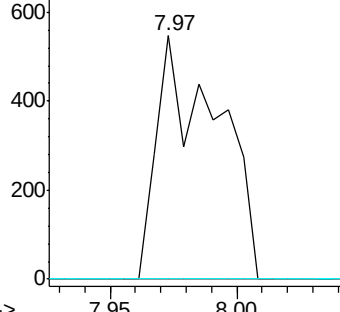


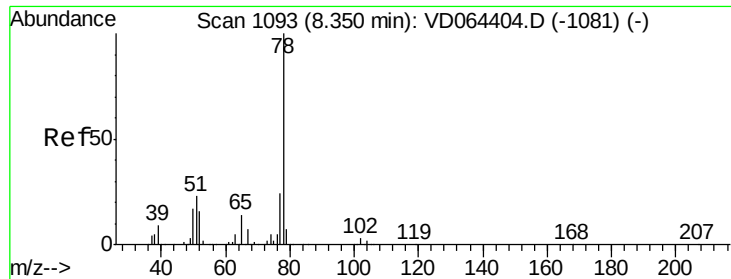
#38
Carbon Tetrachloride
Concen: 6.021 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Tgt Ion: 117 Resp: 909
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





#40

Benzene

Concen: 1.379 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

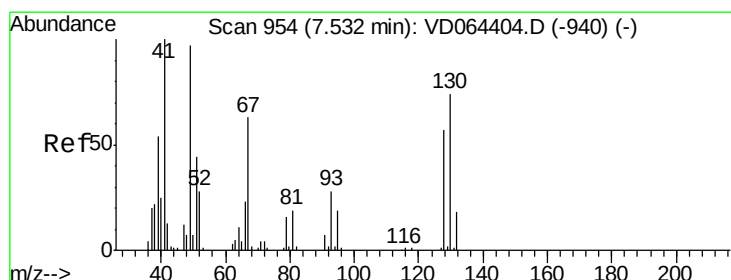
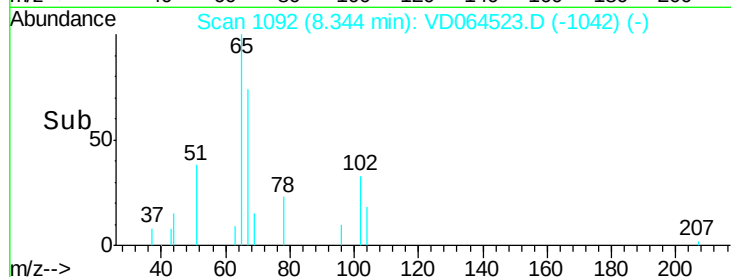
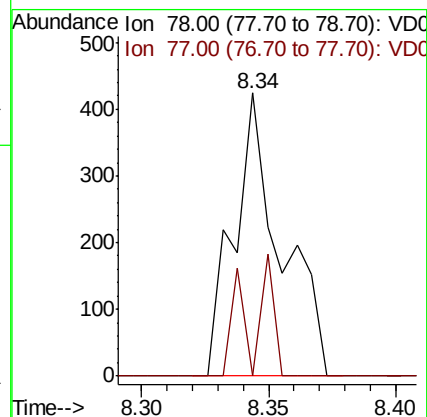
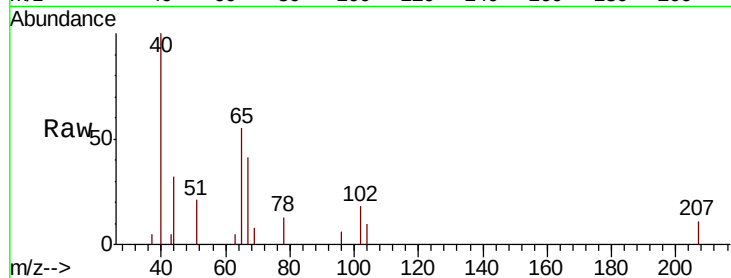
RT-3425

Tot Ion: 78 Resp: 548

Ion Ratio Lower Upper

78 100

77 0.0 19.6 29.4#



#41

Methacrylonitrile

Concen: 6.693 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Tgt Ion: 41 Resp: 233

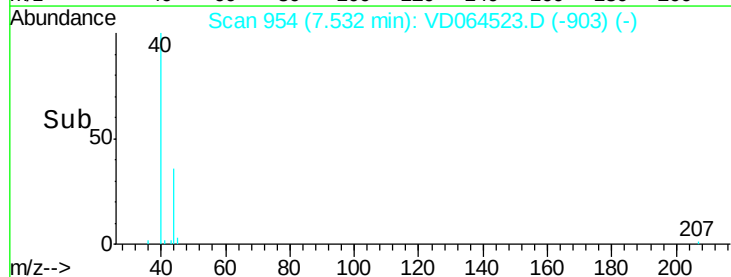
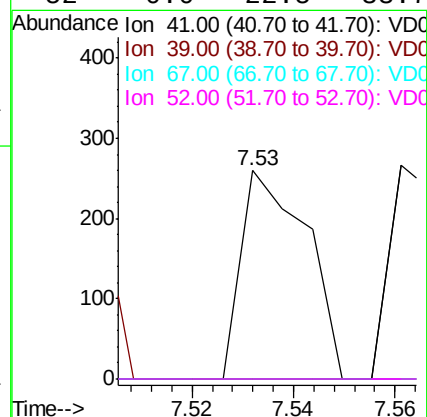
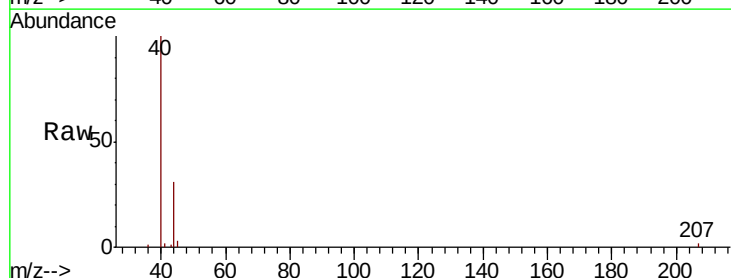
Ion Ratio Lower Upper

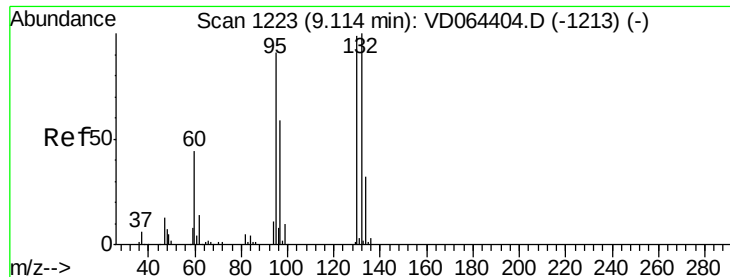
41 100

39 0.0 44.6 67.0#

67 0.0 50.9 76.3#

52 0.0 22.5 33.7#





#44

Trichloroethene

Concen: 1.120 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampled :

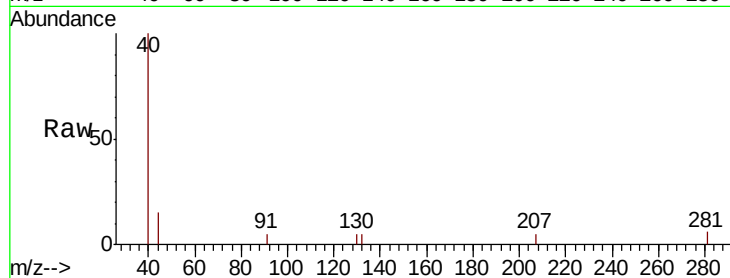
RT-3425

Tot Ion:130 Resp: 134

Ion Ratio Lower Upper

130 100

95 0.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

9.10

200

150

100

50

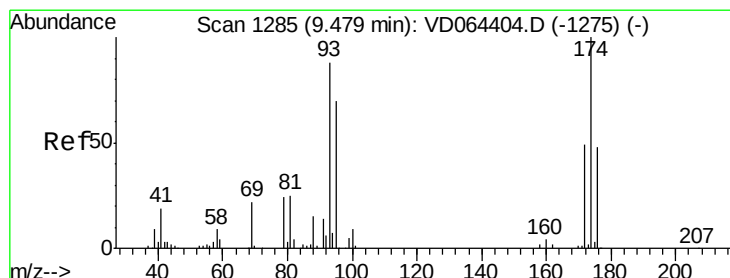
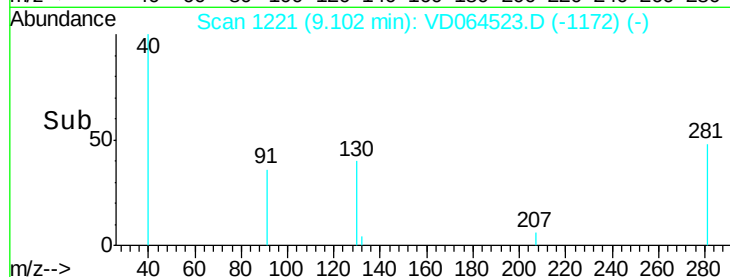
0

9.08

9.10

9.12

Time-->



#46

Dibromomethane

Concen: 1.044 ug/l

RT: 9.71 min Scan# 1325

Delta R.T. 0.24 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

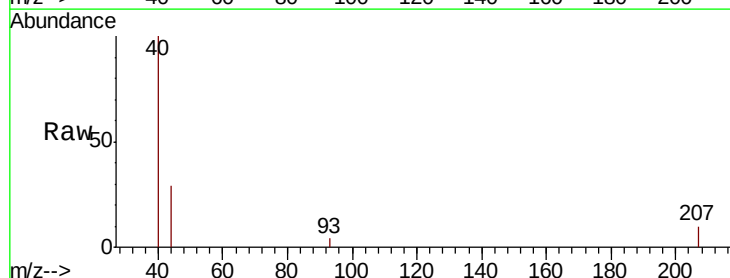
Tgt Ion: 93 Resp: 56

Ion Ratio Lower Upper

93 100

95 141.1 66.7 100.1#

174 0.0 92.3 138.5#



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.71

300

250

200

150

100

50

0

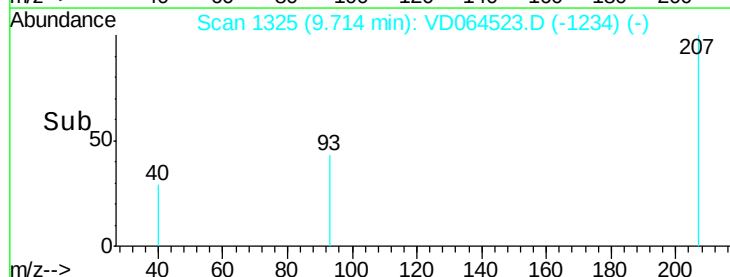
9.70

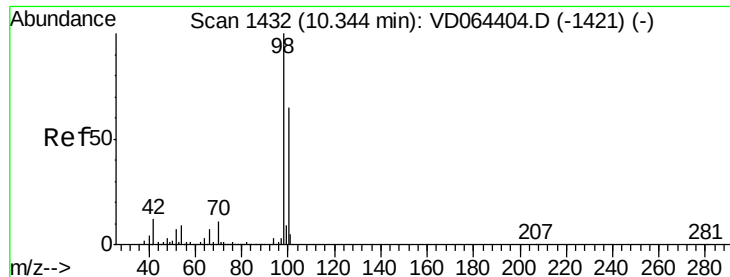
9.71

9.72

9.73

Time-->





#50

Toluene-d8

Concen: 50.671 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

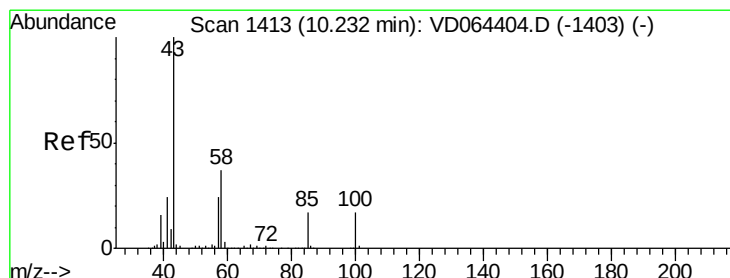
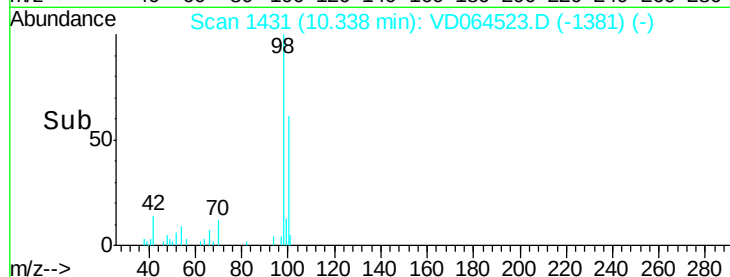
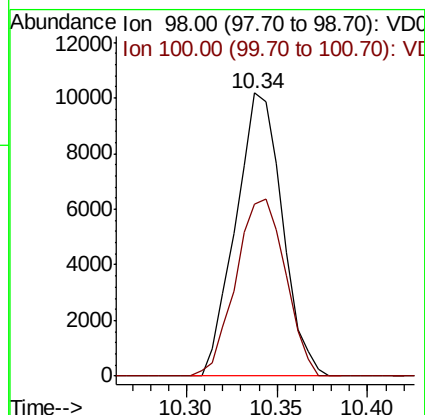
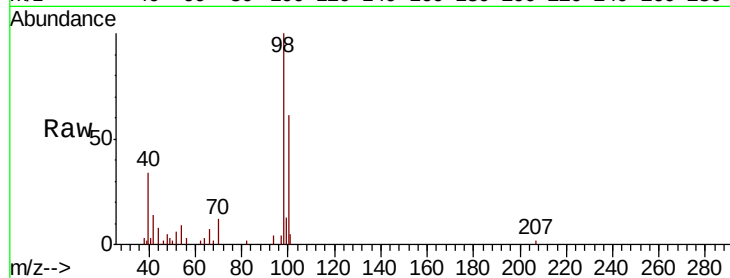
RT-3425

Tot Ion: 98 Resp: 18188

Ion Ratio Lower Upper

98 100

100 66.5 52.6 79.0



#51

4-Methyl-2-Pentanone

Concen: 2.862 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD064523.D

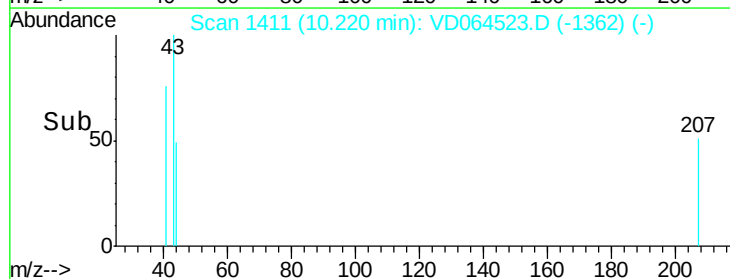
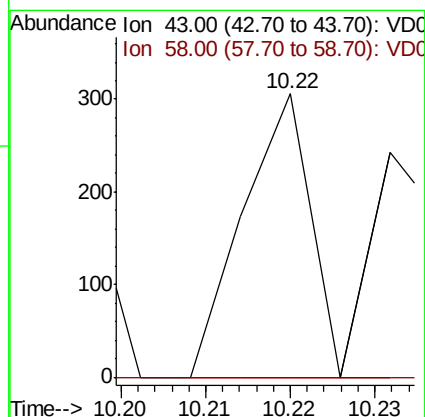
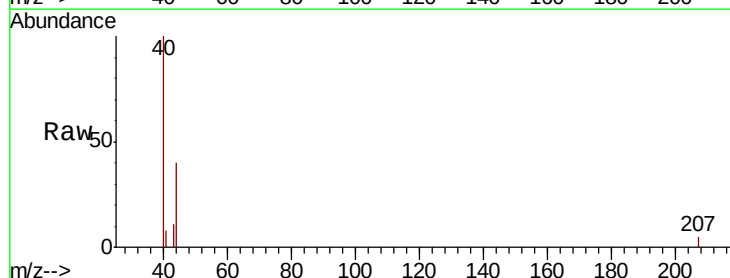
Acq: 16 Dec 2019 15:06

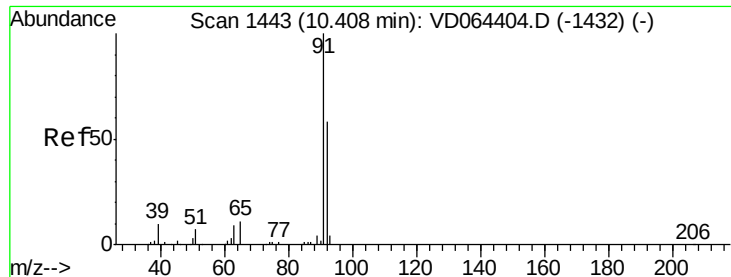
Tgt Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

58 0.0 30.6 46.0#





#52

Toluene

Concen: 2.421 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampled :

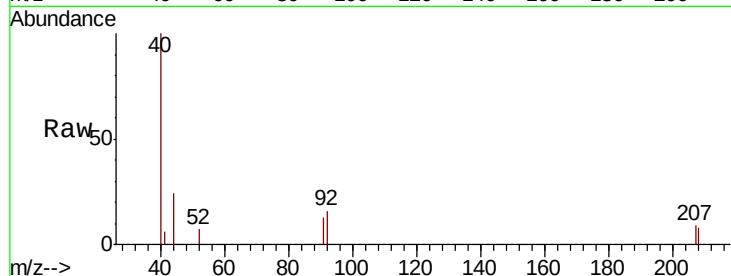
RT-3425

Tot Ion: 92 Resp: 627

Ion Ratio Lower Upper

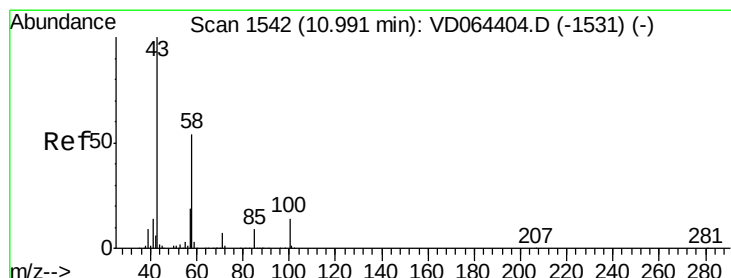
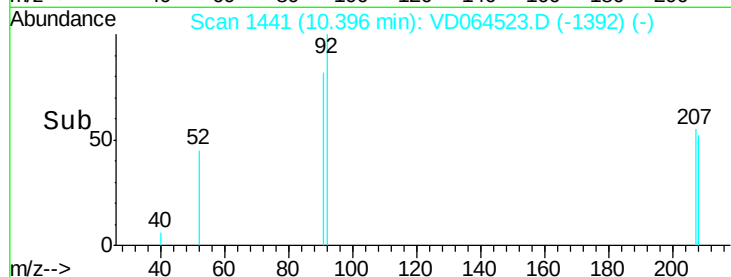
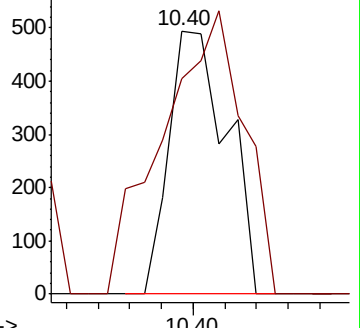
92 100

91 151.2 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 8.468 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VD064523.D

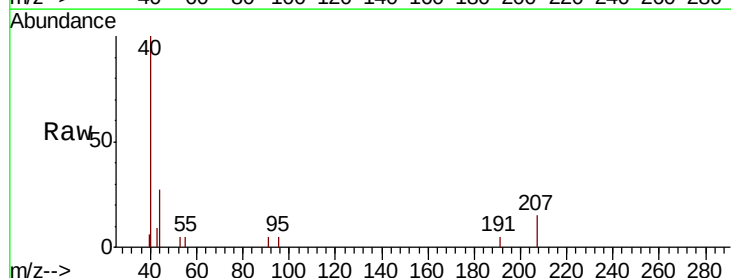
Acq: 16 Dec 2019 15:06

Tgt Ion: 43 Resp: 347

Ion Ratio Lower Upper

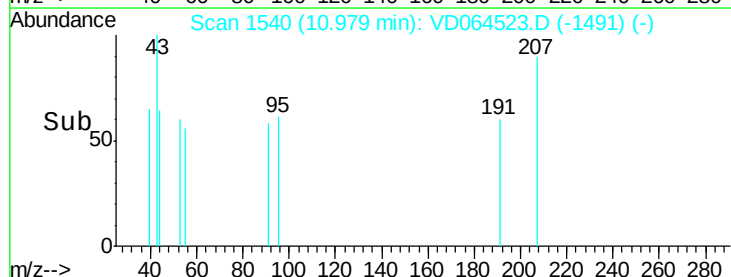
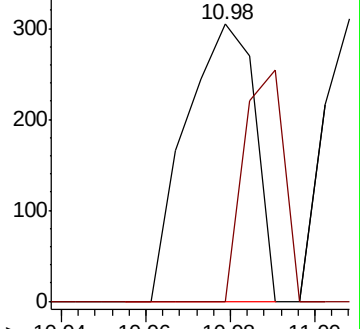
43 100

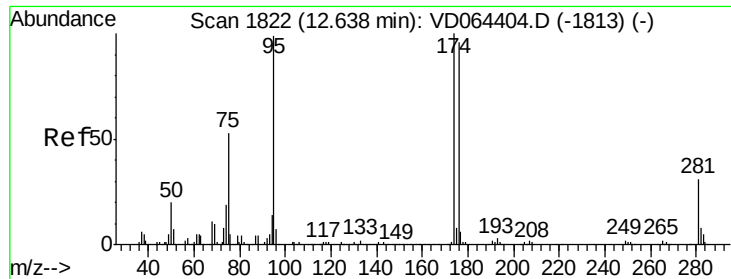
58 48.4 26.3 78.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

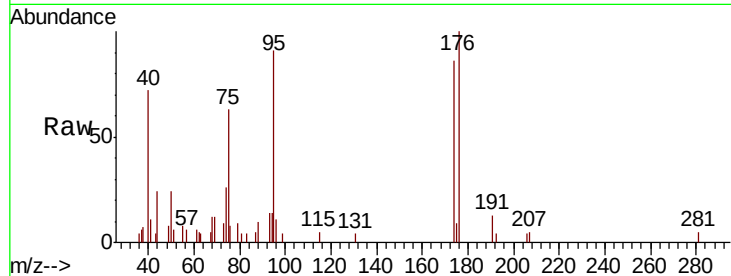




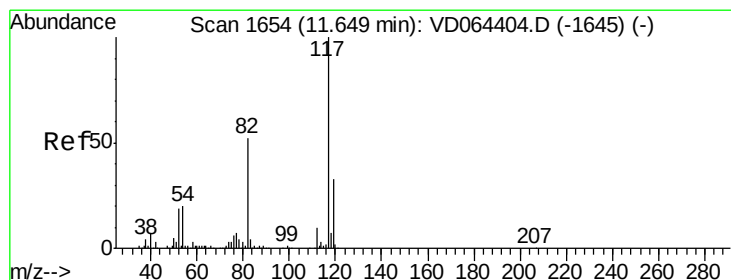
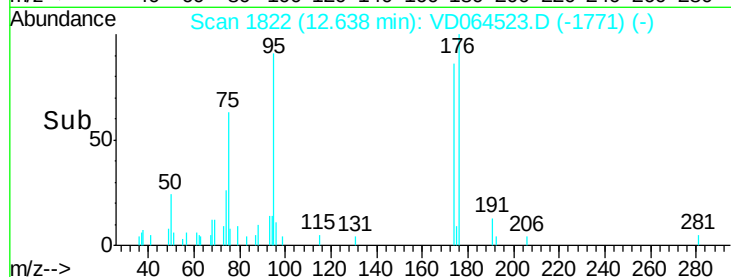
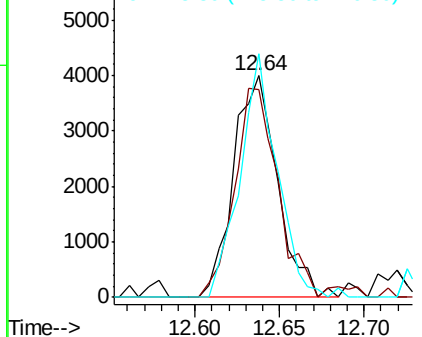
#62
4-Bromofluorobenzene
Concen: 62.633 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Instrument :
MSVOA_D
ClientSampleId :
RT-3425

Tot Ion: 95 Resp: 7225
Ion Ratio Lower Upper
95 100
174 93.7 0.0 197.2
176 93.0 0.0 189.6

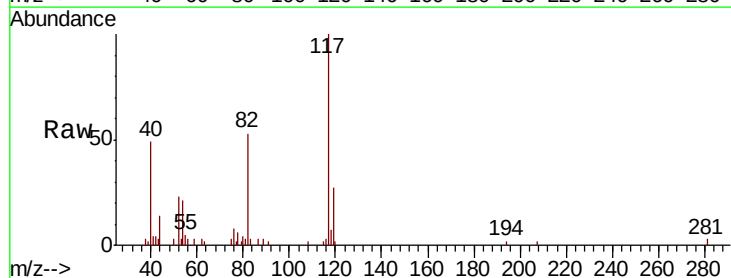


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

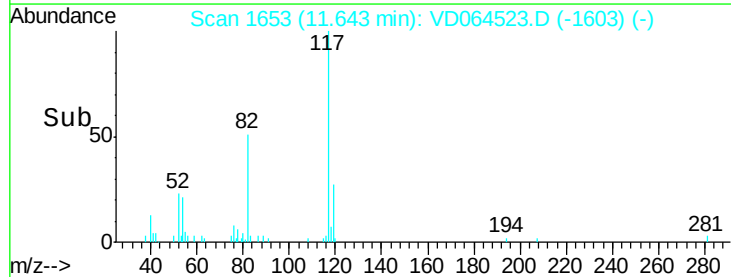
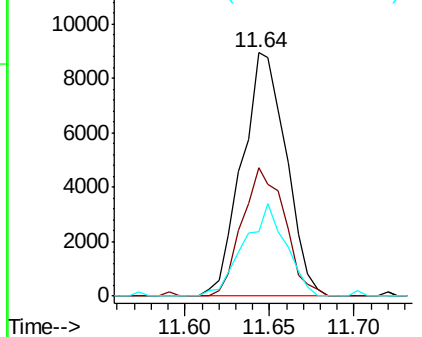


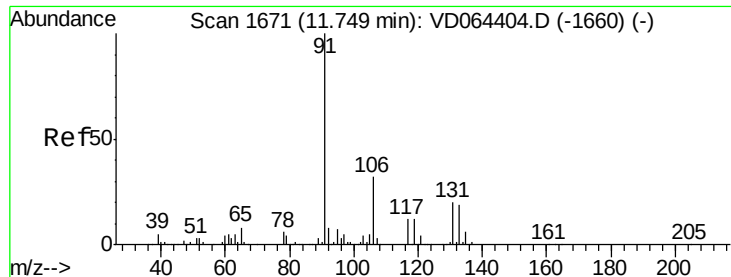
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Tgt Ion: 117 Resp: 16297
Ion Ratio Lower Upper
117 100
82 52.9 41.4 62.2
119 26.6 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 5.131 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

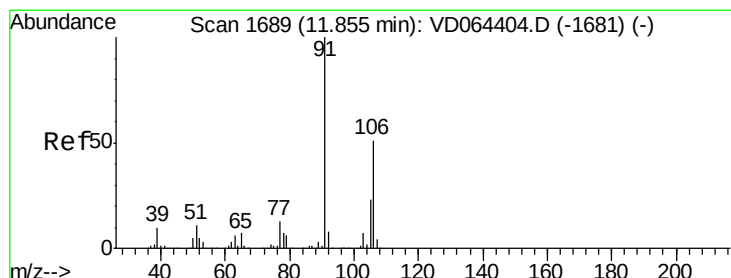
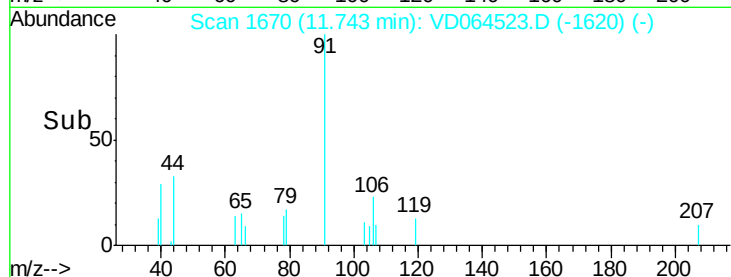
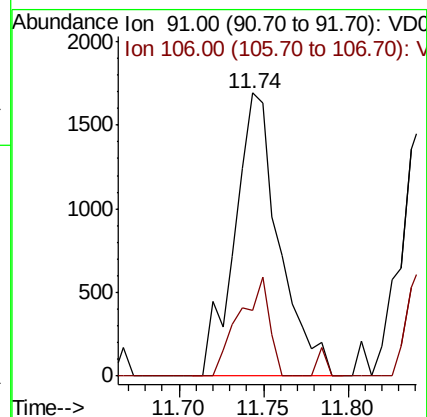
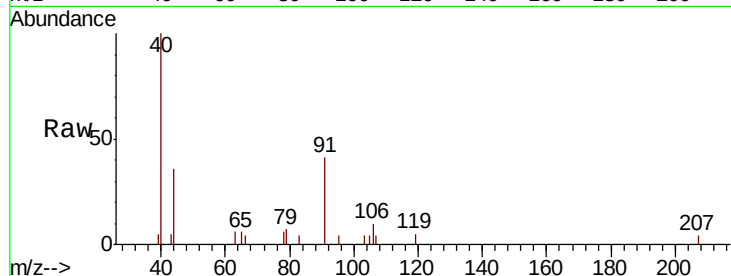
RT-3425

Tot Ion: 91 Resp: 3103

Ion Ratio Lower Upper

91 100

106 23.3 25.8 38.8#



#68

m/p-Xylenes

Concen: 10.135 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD064523.D

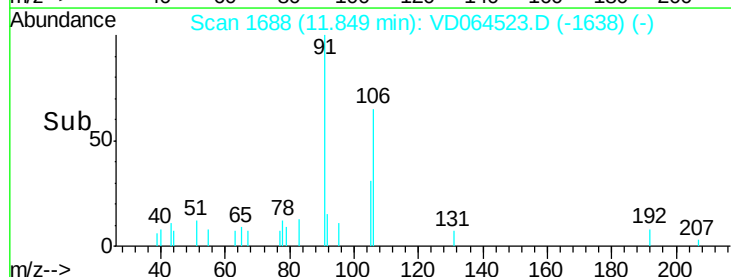
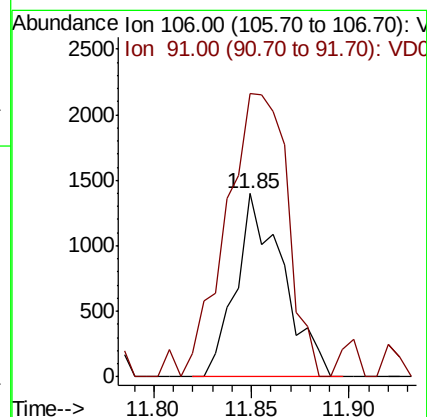
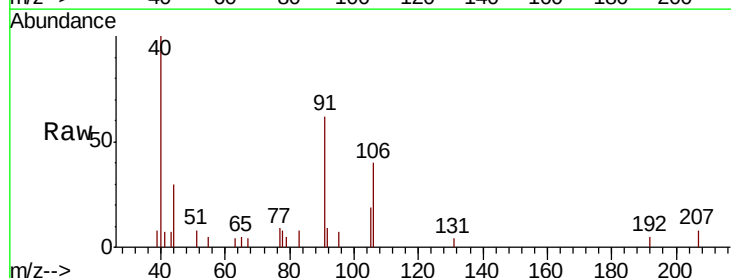
Acq: 16 Dec 2019 15:06

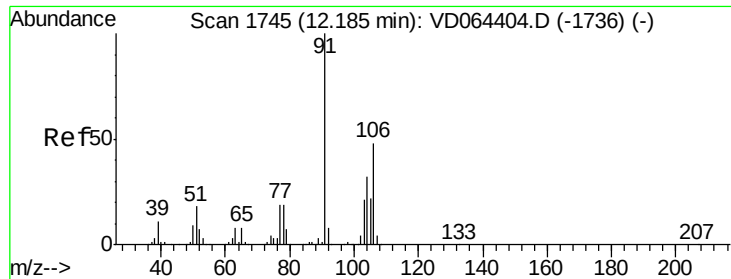
Tgt Ion: 106 Resp: 2337

Ion Ratio Lower Upper

106 100

91 203.7 157.4 236.2

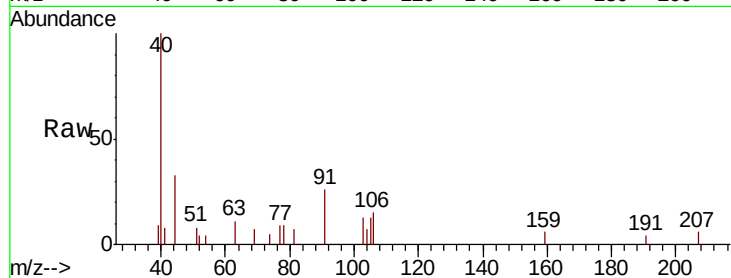




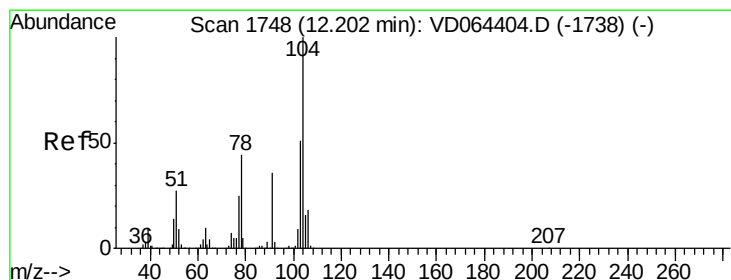
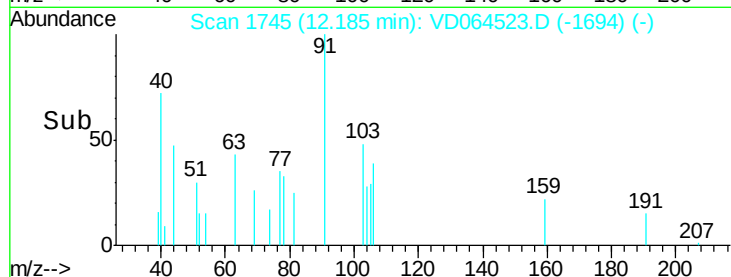
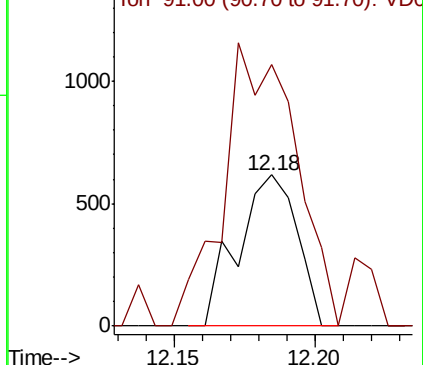
#69
o-Xylene
Concen: 4.221 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Instrument :
MSVOA_D
ClientSampleId :
RT-3425

Tot Ion:106 Resp: 899
Ion Ratio Lower Upper
106 100
91 227.6 103.8 311.4

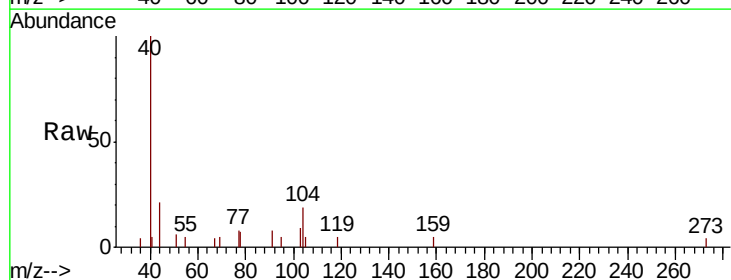


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

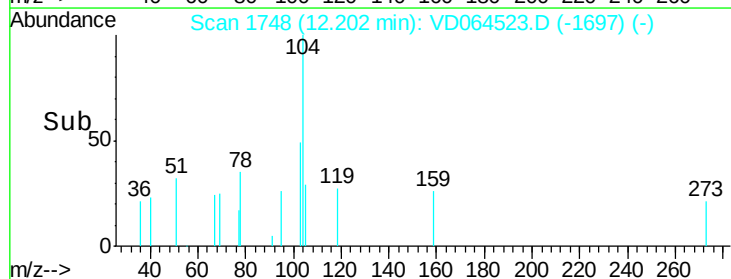
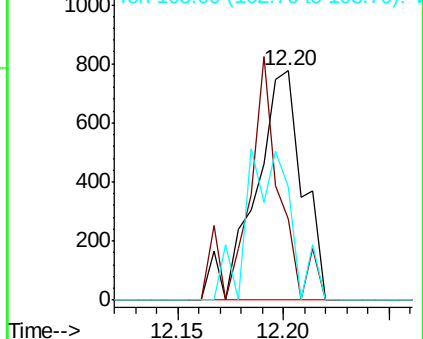


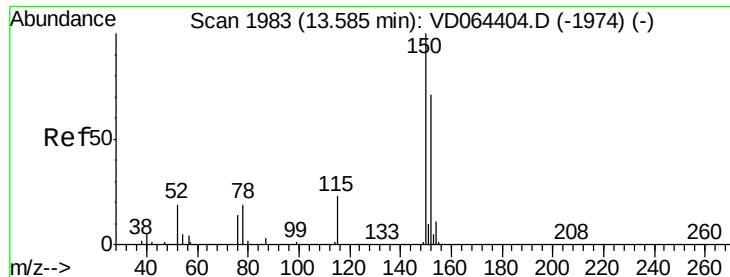
#70
Styrene
Concen: 3.253 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Tgt Ion:104 Resp: 1204
Ion Ratio Lower Upper
104 100
78 71.7 38.8 58.2#
103 61.7 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



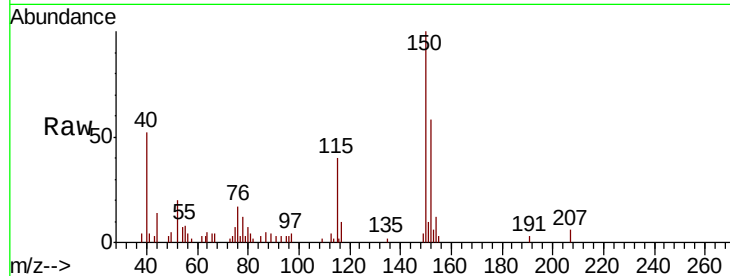


#72

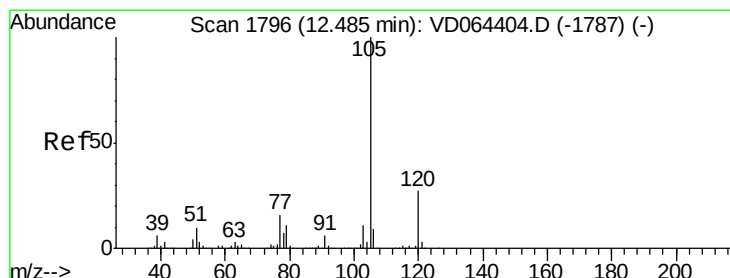
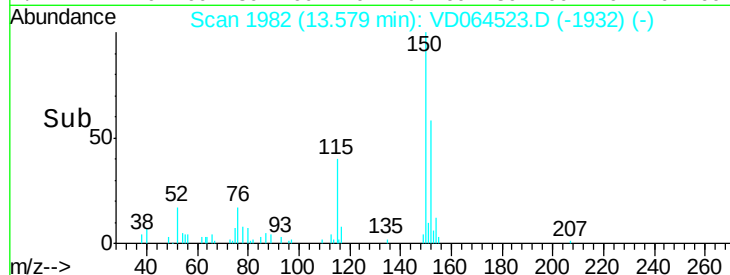
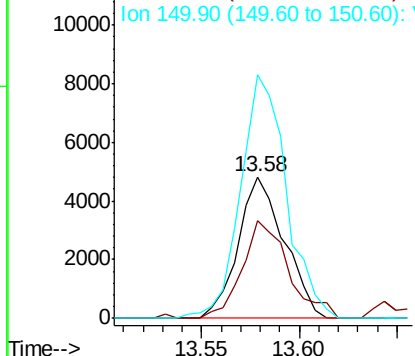
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Instrument :
MSVOA_D
ClientSampleId :
RT-3425

Tot Ion:152 Resp: 7856
Ion Ratio Lower Upper
152 100
115 69.6 26.7 80.1
150 171.8 0.0 347.2



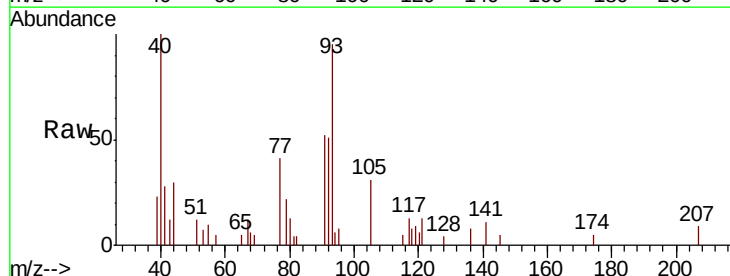
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



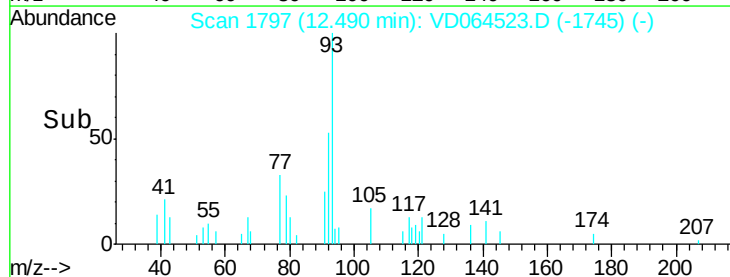
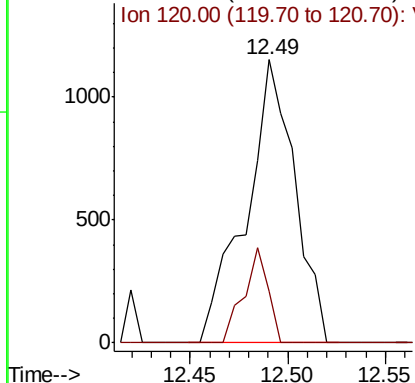
#73

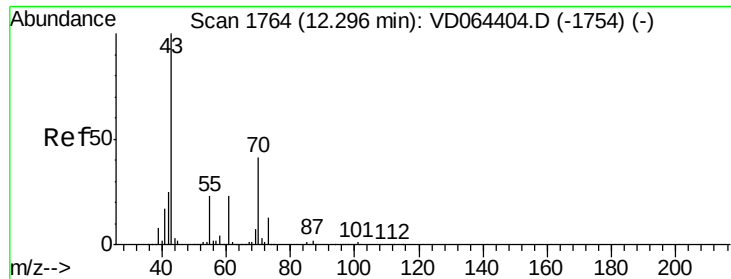
Isopropylbenzene
Concen: 3.522 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Tgt Ion:105 Resp: 1990
Ion Ratio Lower Upper
105 100
120 16.7 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: 2.347 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

RT-3425

Tot Ion: 43 Resp: 301

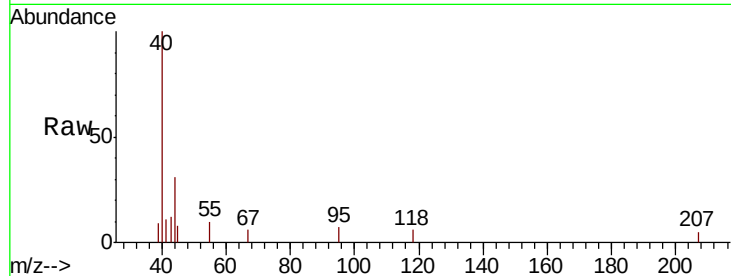
Ion Ratio Lower Upper

43 100

70 20.3 33.4 50.2#

55 88.7 18.9 28.3#

61 0.0 18.5 27.7#

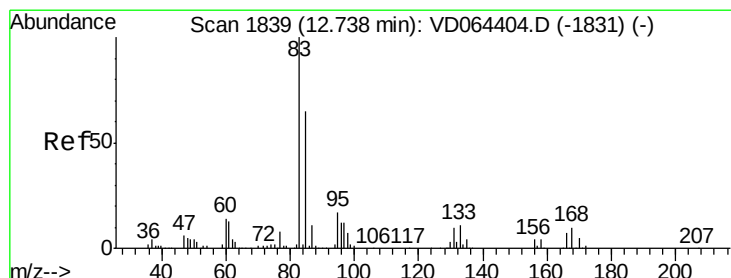
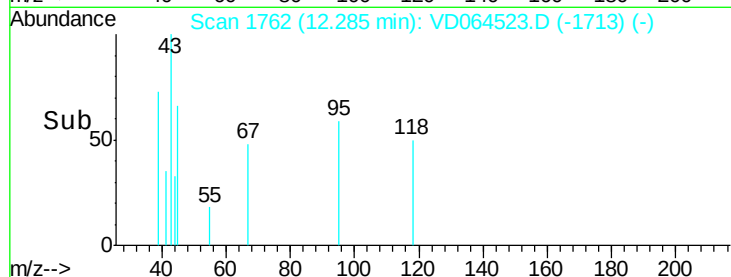
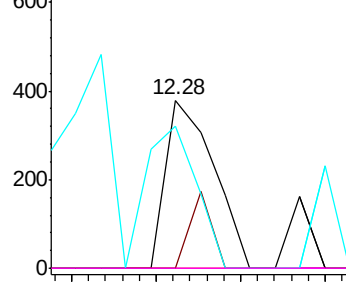


Abundance Ion 43.00 (42.70 to 43.70): VDC

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.712 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

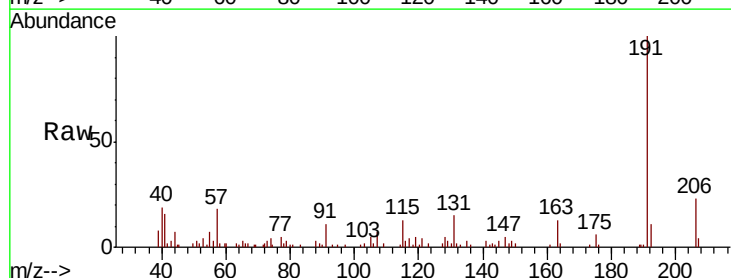
Tgt Ion: 83 Resp: 160

Ion Ratio Lower Upper

83 100

131 12515.6 5.7 17.0#

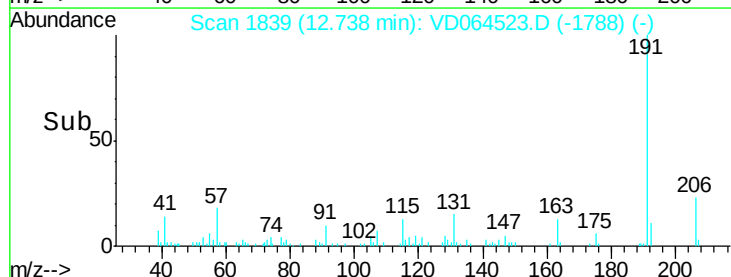
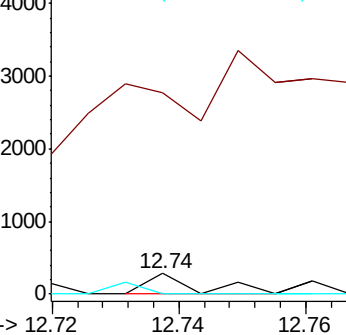
85 36.9 31.3 93.9

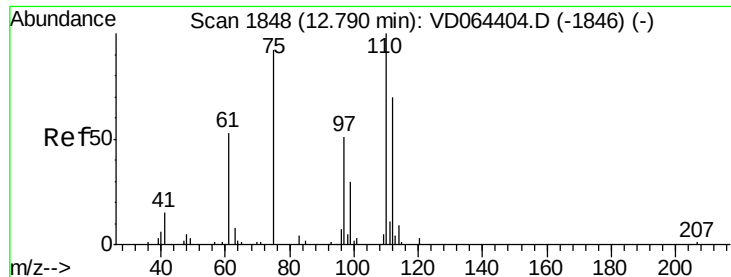


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC

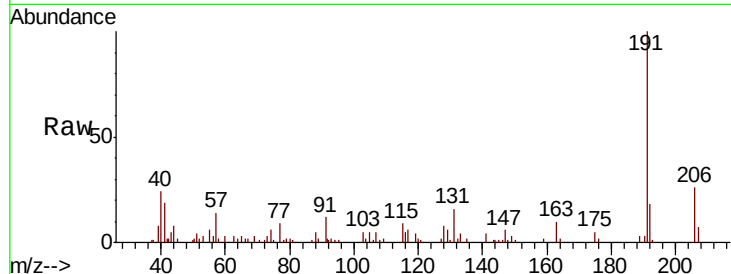




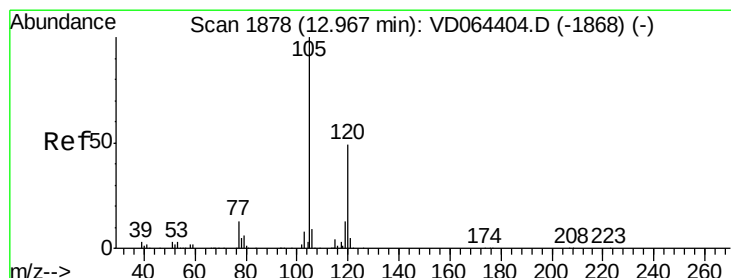
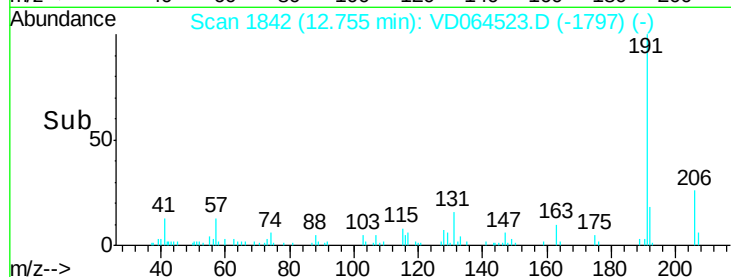
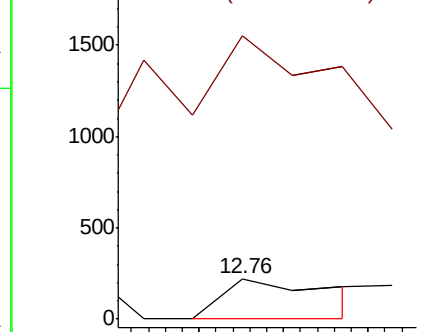
#76
 1,2,3-Trichloropropane
 Concen: 3.065 ug/l
 RT: 12.76 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425

Tot Ion: 75 Resp: 198
 Ion Ratio Lower Upper
 75 100
 77 2085.4 0.0 0.0#

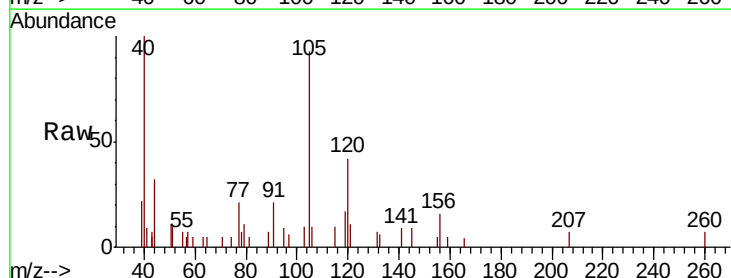


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 77.00 (76.70 to 77.70): VDC

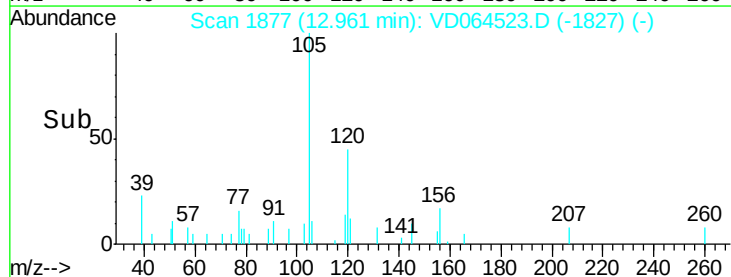
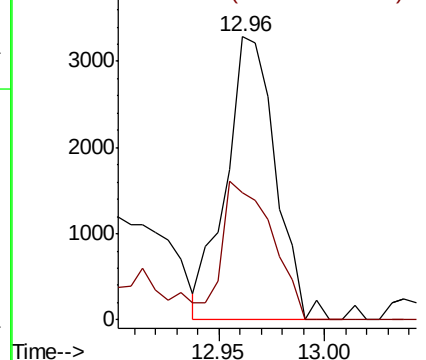


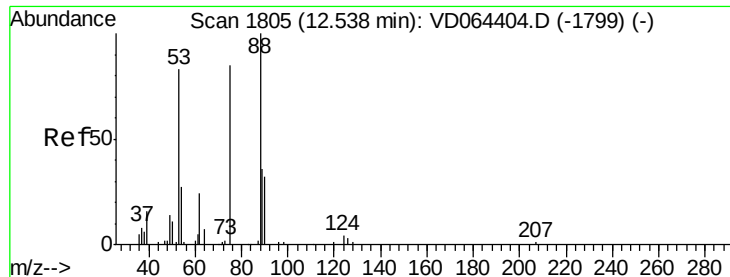
#80
 1,3,5-Trimethylbenzene
 Concen: 11.533 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

Tgt Ion: 105 Resp: 5325
 Ion Ratio Lower Upper
 105 100
 120 48.2 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: 143.545 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

RT-3425

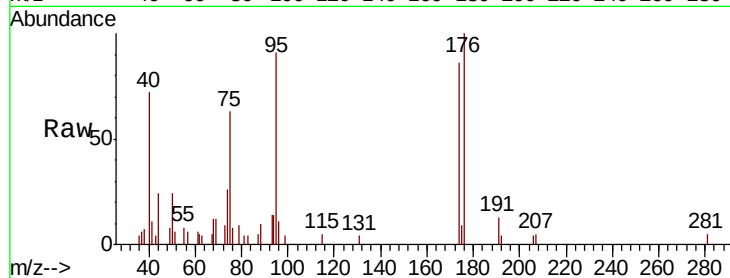
Tot Ion: 75 Resp: 4253

Ion Ratio Lower Upper

75 100

53 5.2 81.0 121.6#

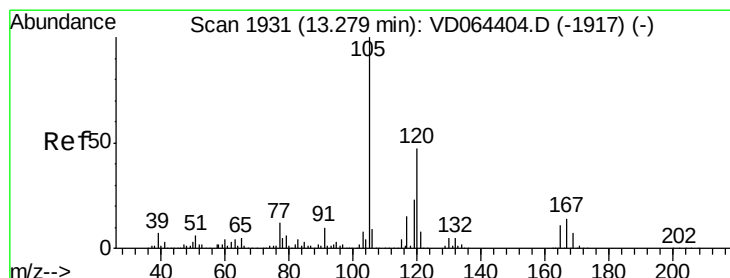
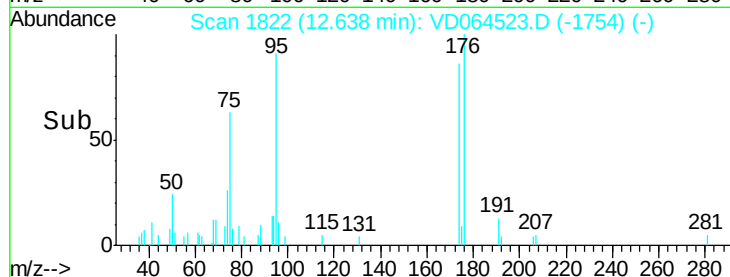
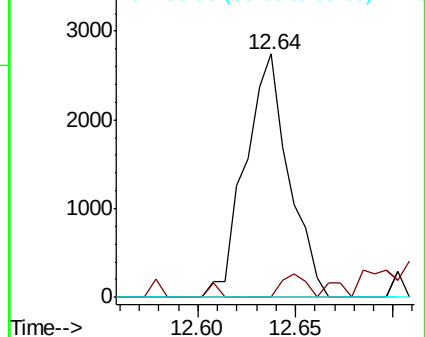
89 0.0 38.5 57.7#



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: 23.940 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064523.D

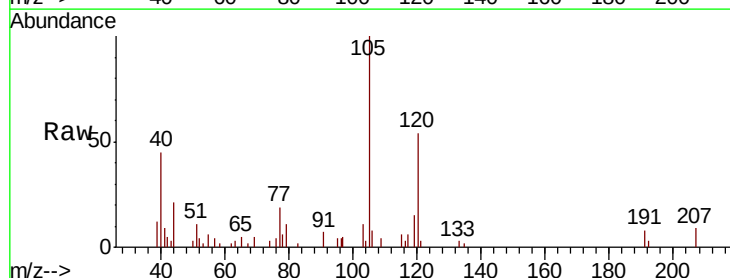
Acq: 16 Dec 2019 15:06

Tgt Ion: 105 Resp: 11115

Ion Ratio Lower Upper

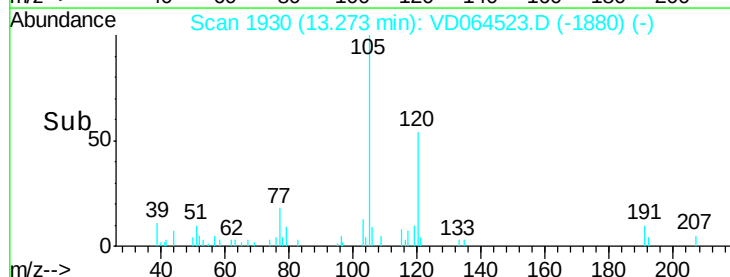
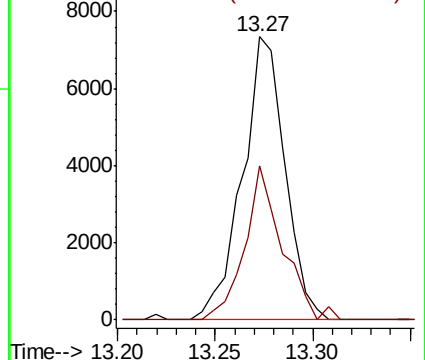
105 100

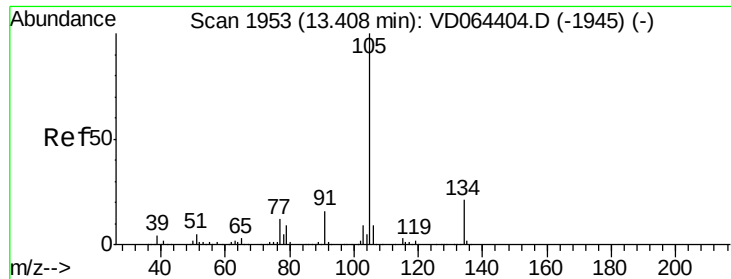
120 47.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.058 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

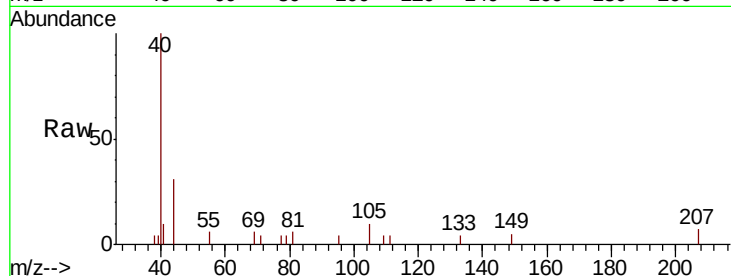
RT-3425

Tot Ion:105 Resp: 583

Ion Ratio Lower Upper

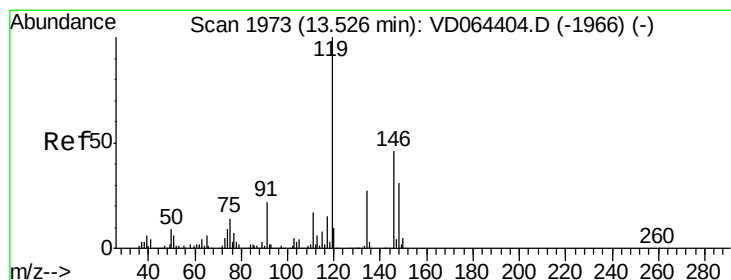
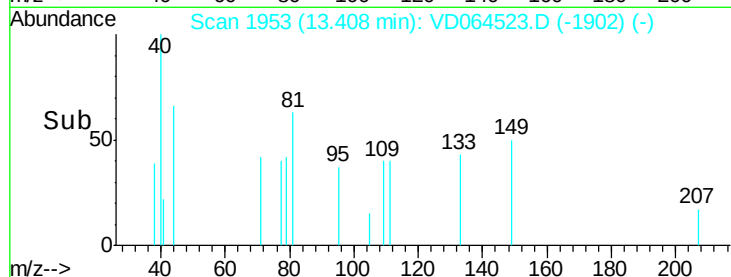
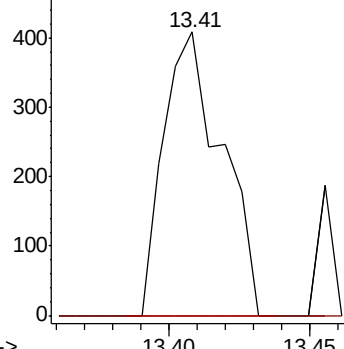
105 100

134 0.0 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.294 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

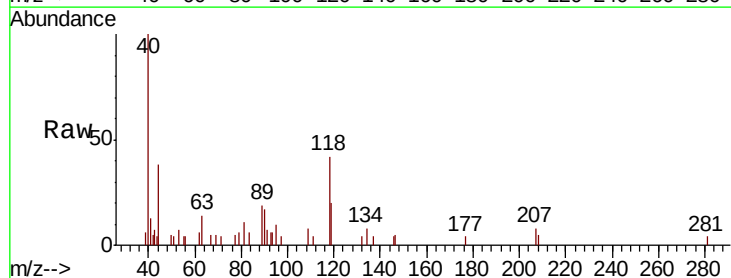
Tgt Ion:119 Resp: 1193

Ion Ratio Lower Upper

119 100

134 33.1 13.5 40.4

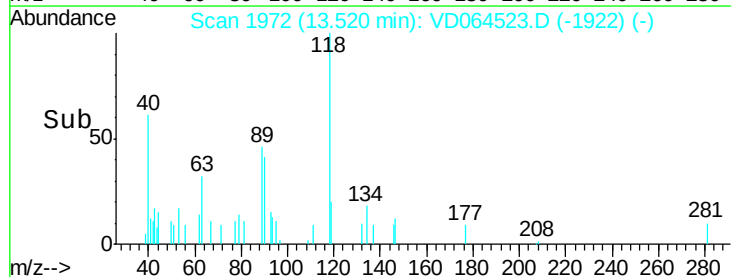
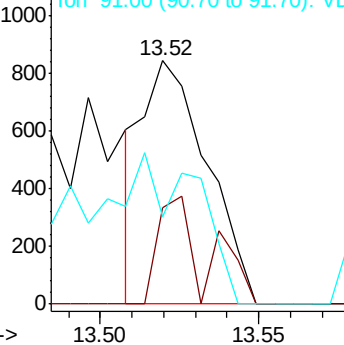
91 57.2 11.2 33.5#

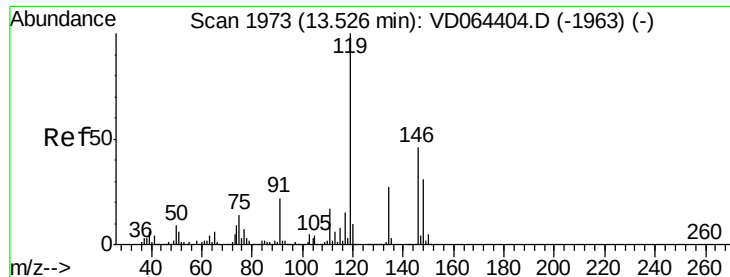


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

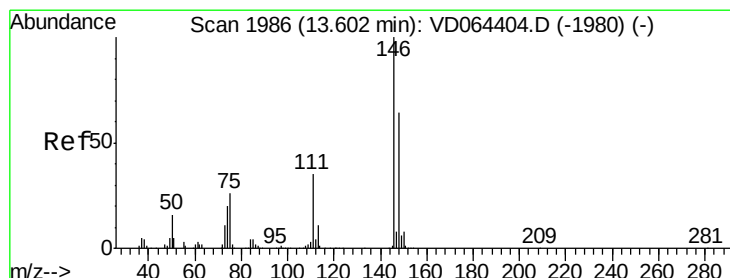
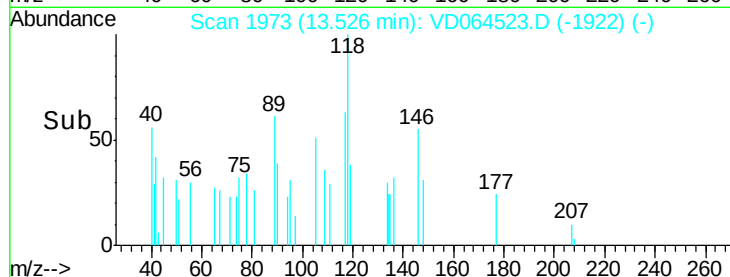
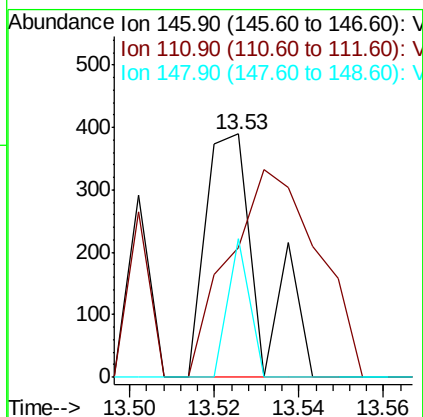
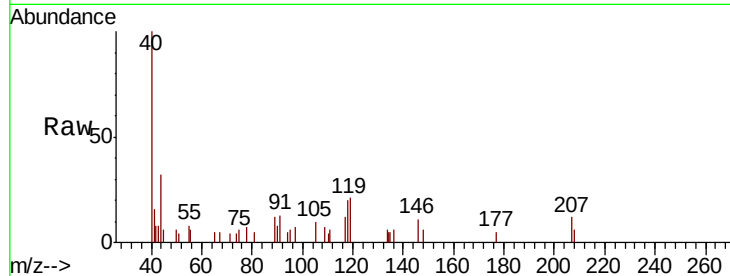




#87
 1,3-Dichlorobenzene
 Concen: 1.303 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

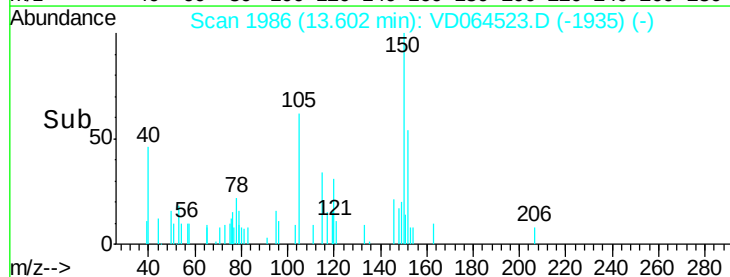
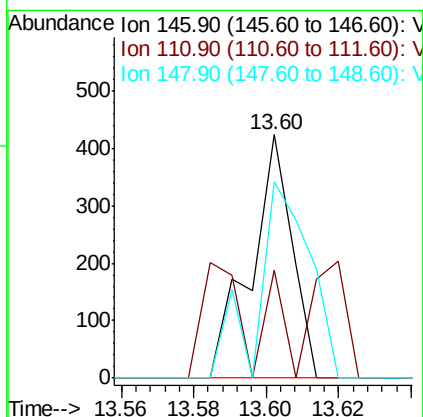
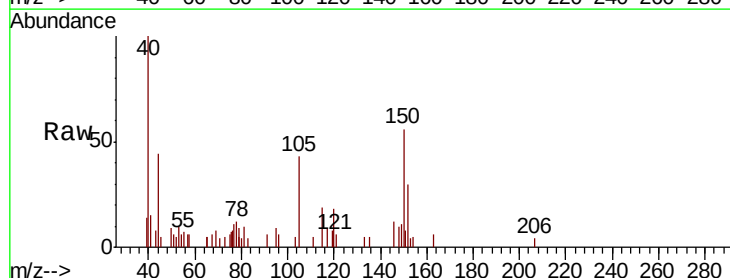
Instrument :
 MSVOA_D
 ClientSampleID :
 RT-3425

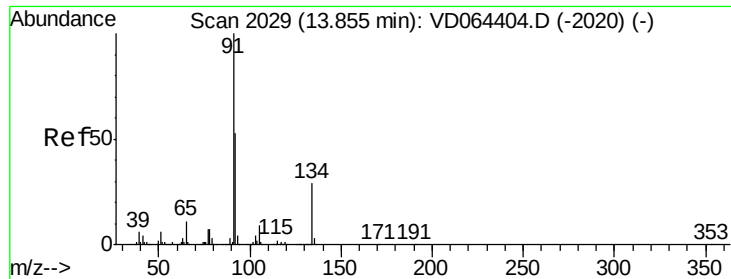
Tot Ion:146 Resp: 345
 Ion Ratio Lower Upper
 146 100
 111 140.9 18.8 56.4#
 148 22.6 32.6 97.8#



#88
 1,4-Dichlorobenzene
 Concen: 1.277 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

Tgt Ion:146 Resp: 334
 Ion Ratio Lower Upper
 146 100
 111 59.6 18.2 54.6#
 148 101.8 31.8 95.4#

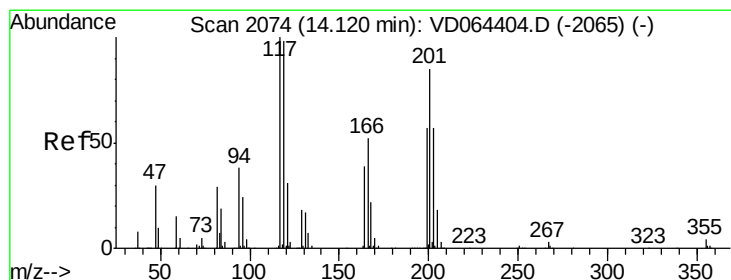
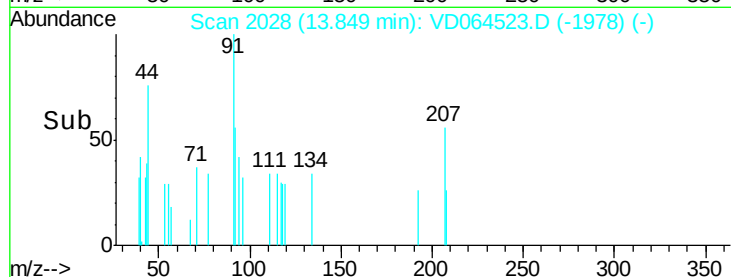
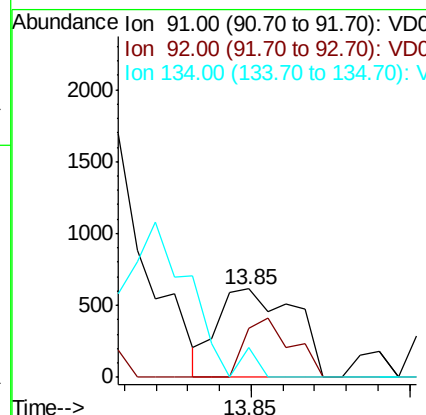
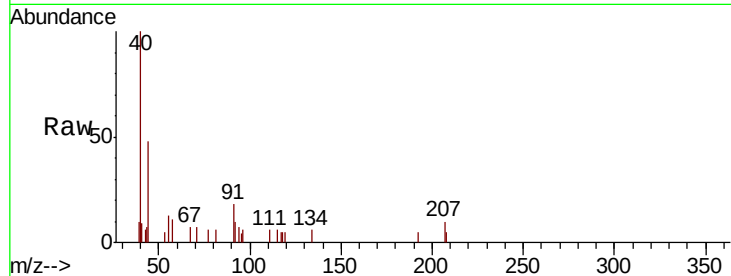




#89
n-Butylbenzene
Concen: 2.176 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

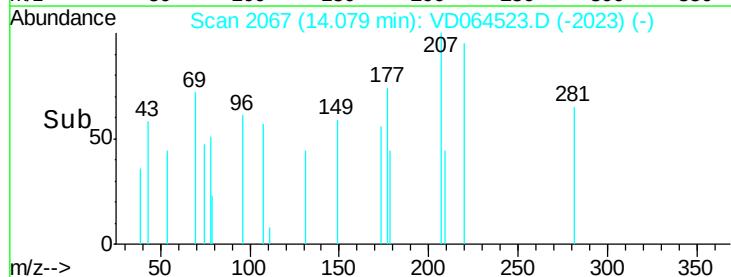
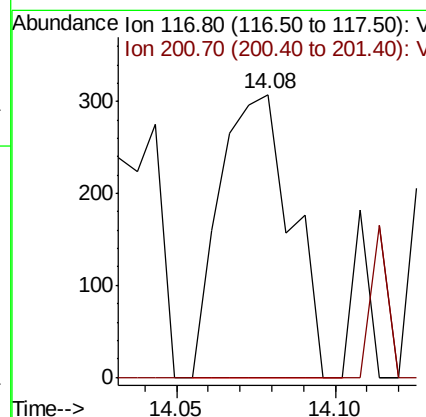
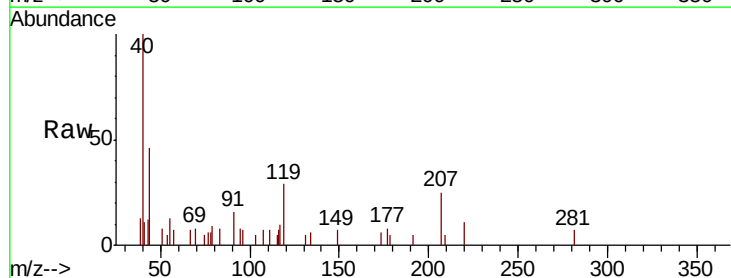
Instrument :
MSVOA_D
ClientSampleId :
RT-3425

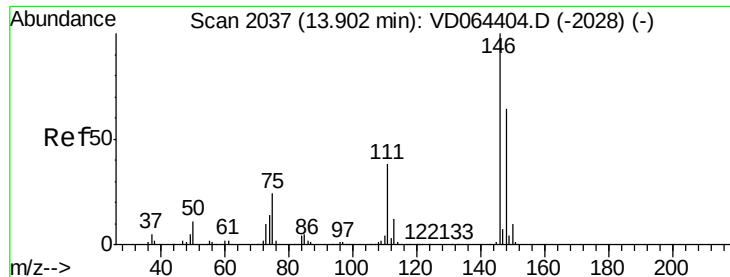
Tot Ion: 91 Resp: 1028
Ion Ratio Lower Upper
91 100
92 41.1 26.5 79.4
134 0.0 13.9 41.7#



#90
Hexachloroethane
Concen: 4.944 ug/l
RT: 14.08 min Scan# 2067
Delta R.T. -0.04 min
Lab File: VD064523.D
Acq: 16 Dec 2019 15:06

Tgt Ion: 117 Resp: 481
Ion Ratio Lower Upper
117 100
201 0.0 44.3 132.8#

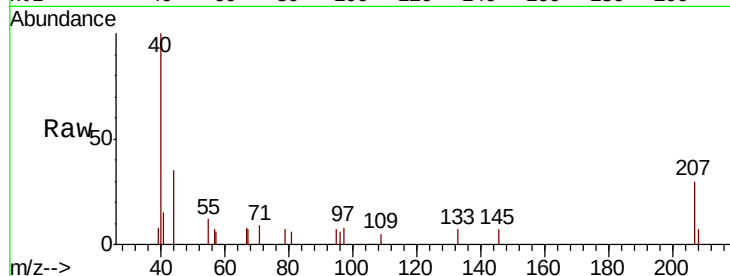




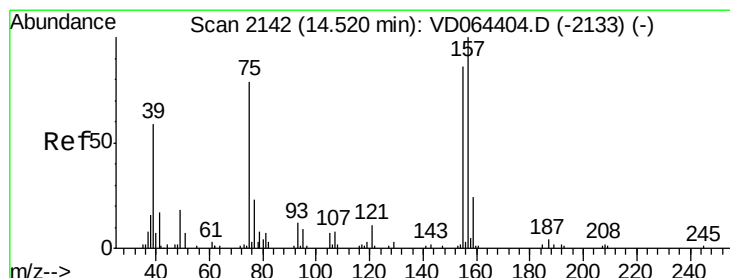
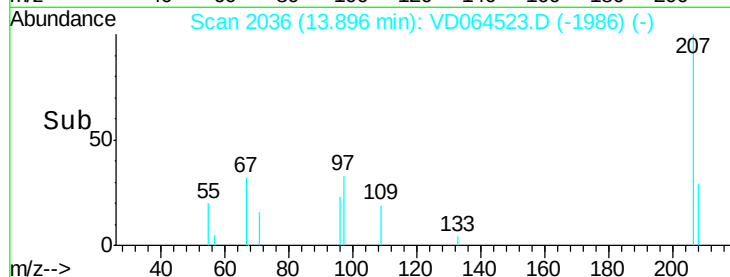
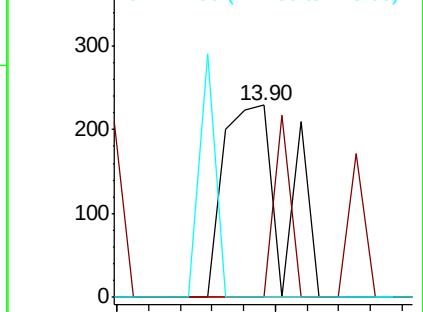
#91
 1,2-Dichlorobenzene
 Concen: 1.343 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3425

Tot Ion:146 Resp: 304
 Ion Ratio Lower Upper
 146 100
 111 25.3 19.1 57.3
 148 0.0 32.0 96.0#

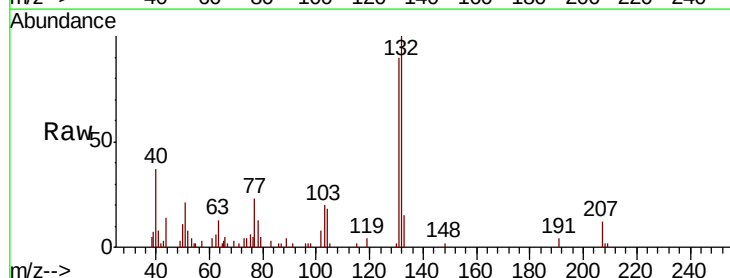


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

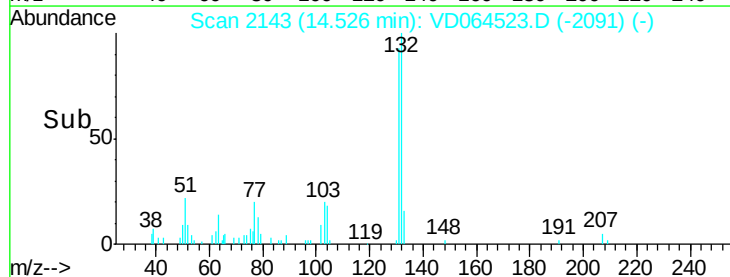
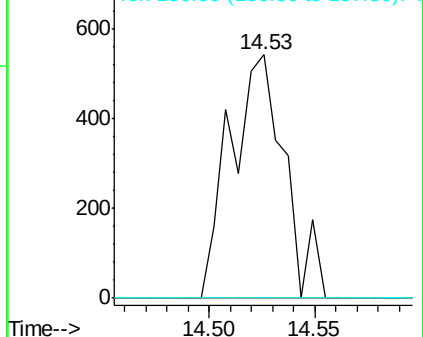


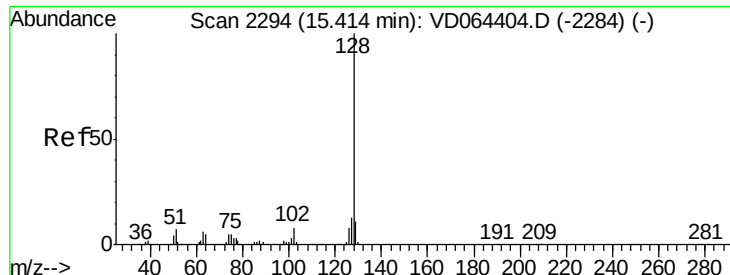
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.585 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD064523.D
 Acq: 16 Dec 2019 15:06

Tgt Ion: 75 Resp: 973
 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: 3221.131 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064523.D

Acq: 16 Dec 2019 15:06

Instrument :

MSVOA_D

ClientSampleId :

RT-3425

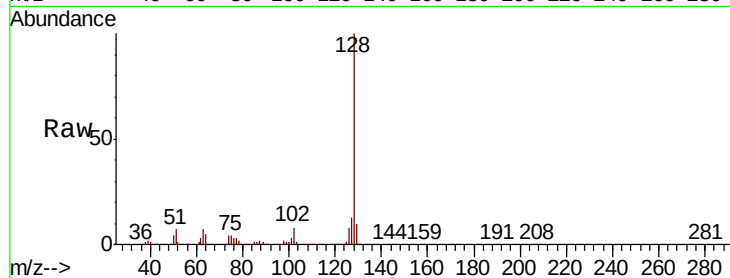
Tot Ion:128 Resp: 931749

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 10.9 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

