

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064966.D
 Acq On : 27 Jan 2020 16:25
 Operator : VA/SY
 Sample : L1242-10RE
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 22:30:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	425439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	702743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274690	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	232851	57.06	ug/l	0.00
Spiked Amount			Recovery	=	114.12%	
35) Dibromofluoromethane	7.92	113	80544	18.24	ug/l	0.00
Spiked Amount			Recovery	=	36.48%	
50) Toluene-d8	10.34	98	848227	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.64	95	276185	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	

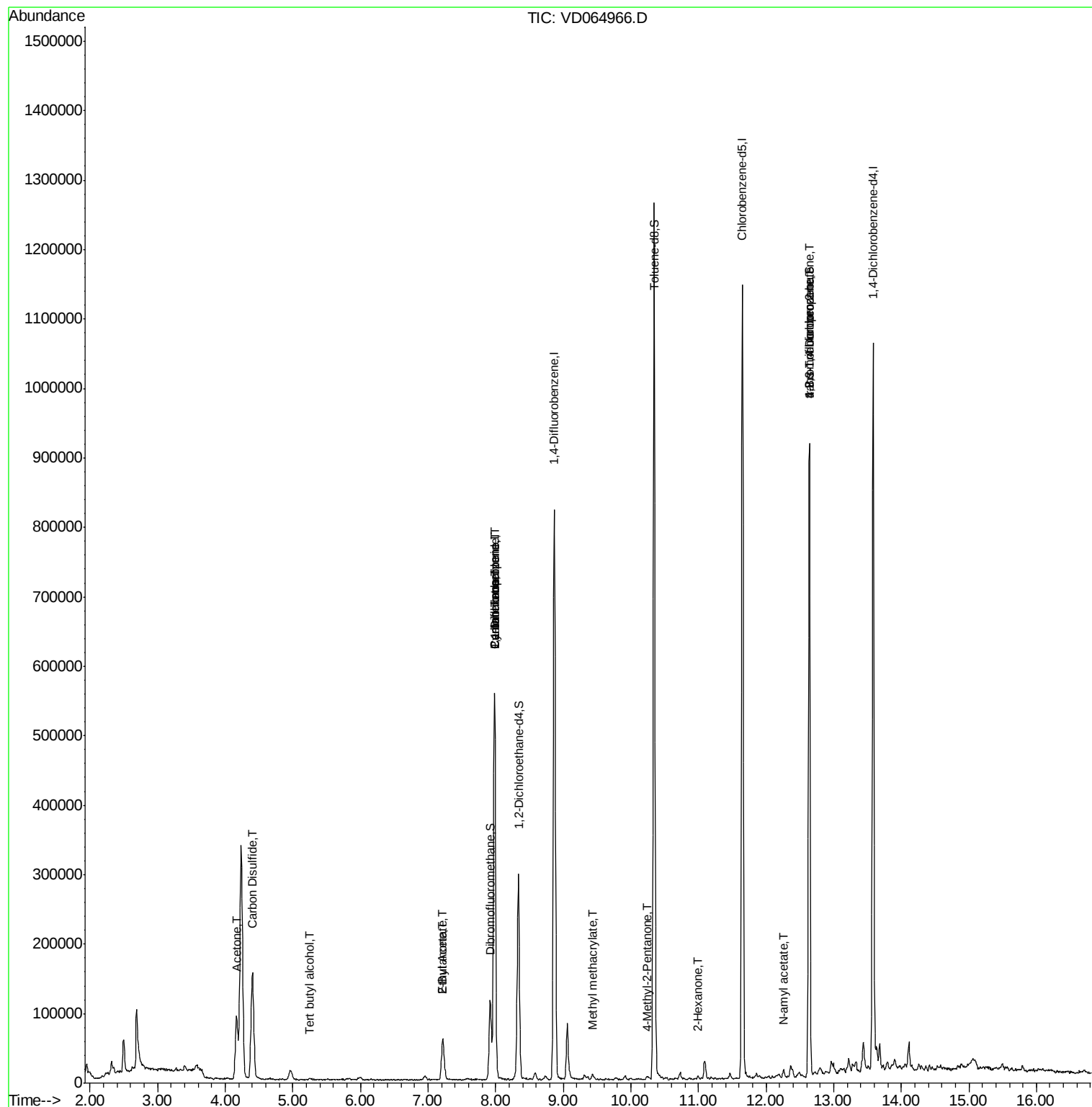
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	1266	5.614	ug/l #	74
16) Acetone	4.16	43	167016	167.407	ug/l	95
17) Carbon Disulfide	4.41	76	326112	26.756	ug/l	99
20) Methylene Chloride	4.96	84	10527	Below Cal	#	84
25) 2-Butanone	7.22	43	42573	38.615	ug/l	99
31) Cyclohexane	7.98	56	10452	1.470	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32875	4.851	ug/l #	51
37) Ethyl Acetate	7.22	43	42573	15.210	ug/l #	75
38) Carbon Tetrachloride	7.98	117	41528	5.798	ug/l #	16
48) Methyl methacrylate	9.44	41	3240	1.324	ug/l #	44
51) 4-Methyl-2-Pentanone	10.24	43	3550	1.334	ug/l	99
59) 2-Hexanone	10.99	43	4199	2.288	ug/l	73
74) N-amyl acetate	12.26	43	6917	1.646	ug/l #	59
76) 1,2,3-Trichloropropane	12.64	75	147787	64.820	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	147787	138.406	ug/l #	10

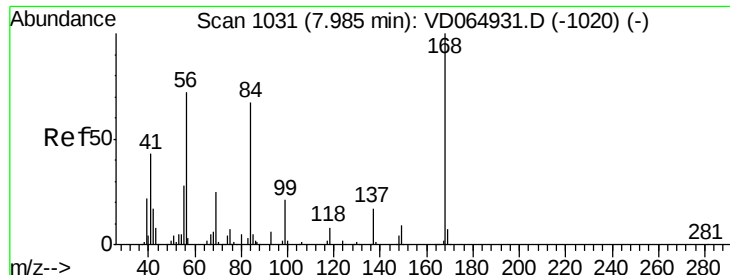
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD064966.D
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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

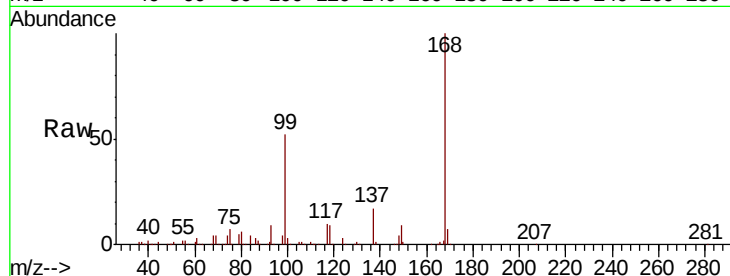
ClientSampleId :

Tot Ion:168 Resp: 425439

Ion Ratio Lower Upper

168 100

99 51.9 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

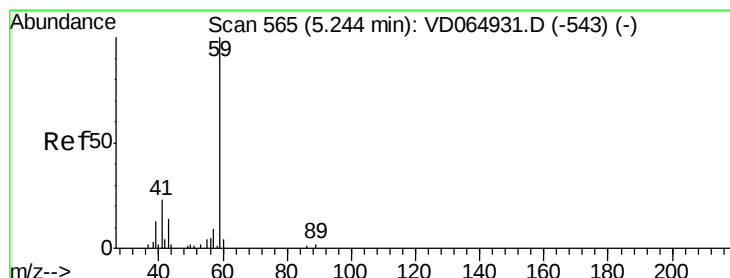
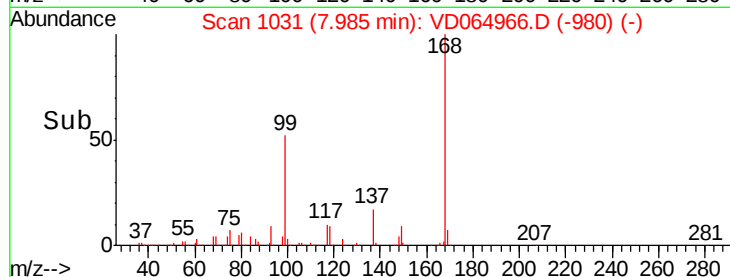
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.614 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064966.D

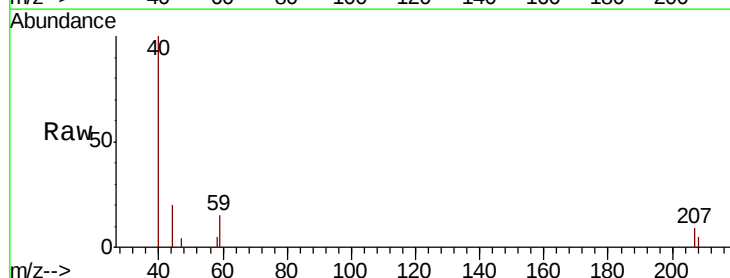
Acq: 27 Jan 2020 16:25

Tgt Ion: 59 Resp: 1266

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

600

500

400

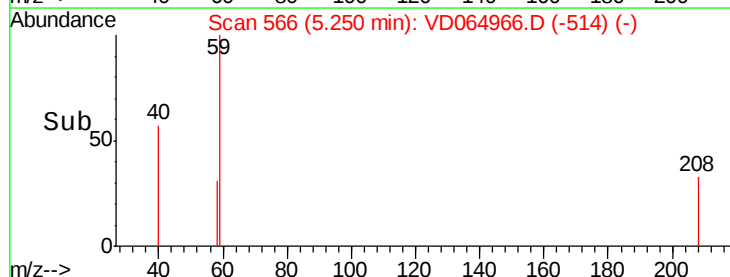
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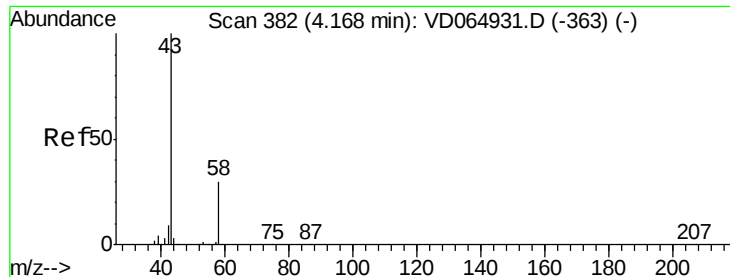
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100

0

Time-->

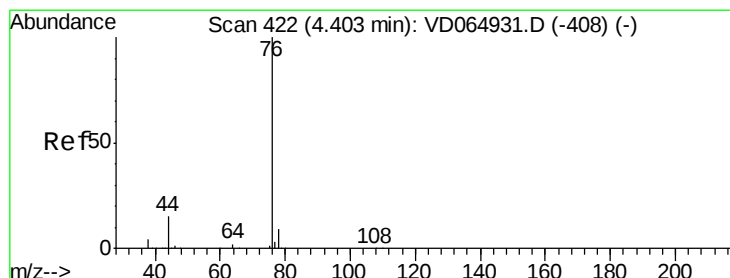
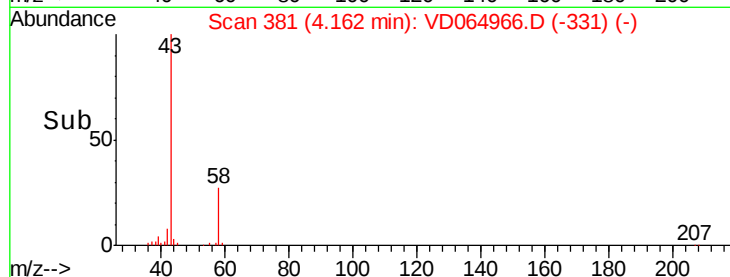
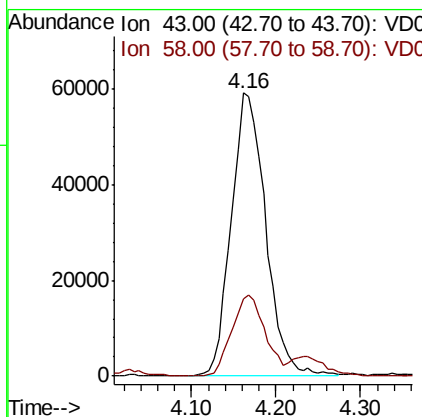
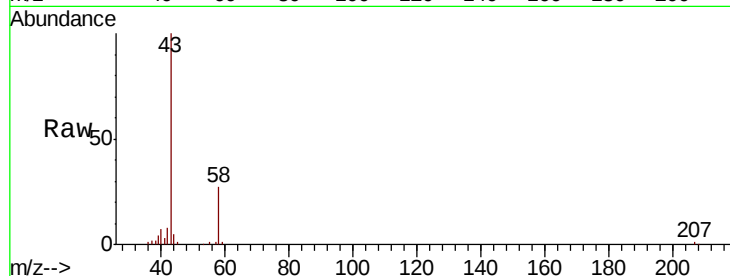




#16
Acetone
Concen: 167.407 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

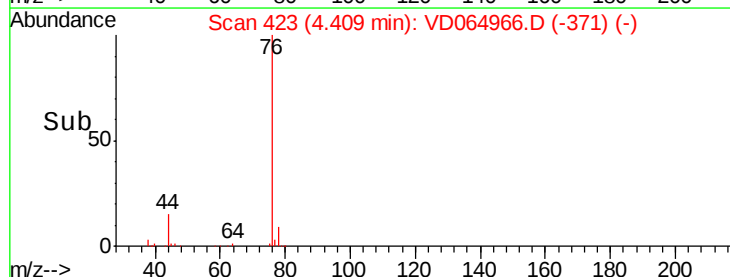
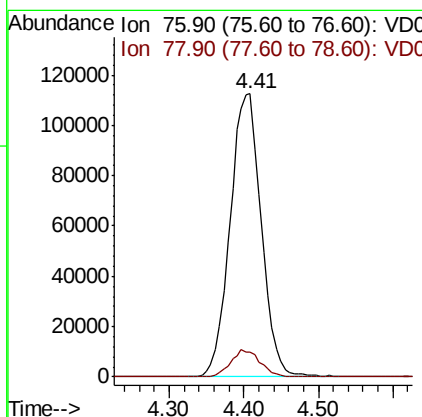
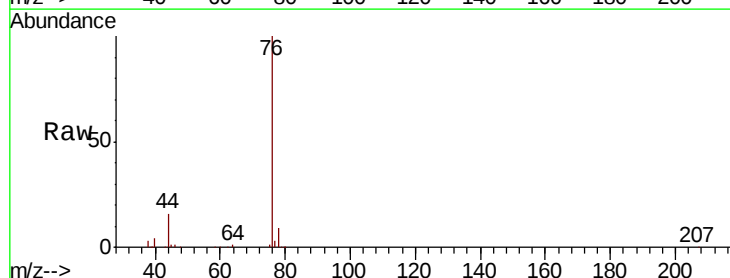
Instrument :
MSVOA_D
ClientSampleId :

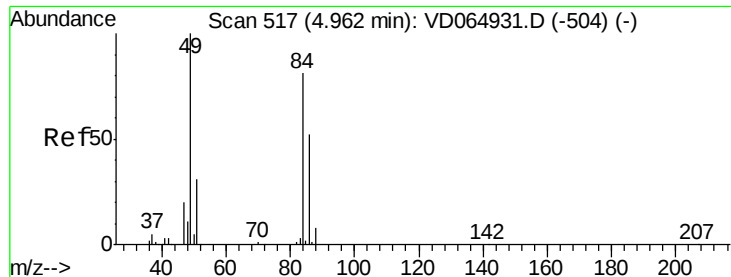
Tot Ion: 43 Resp: 167016
Ion Ratio Lower Upper
43 100
58 27.1 23.8 35.8



#17
Carbon Disulfide
Concen: 26.756 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Tgt Ion: 76 Resp: 326112
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

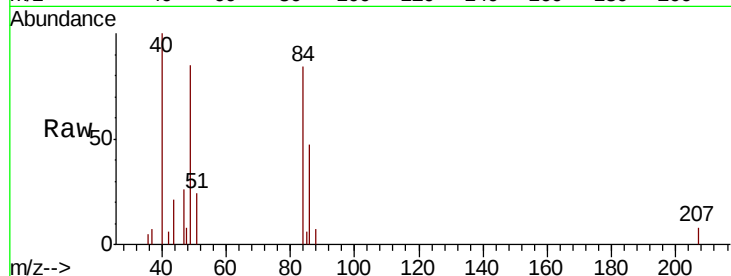




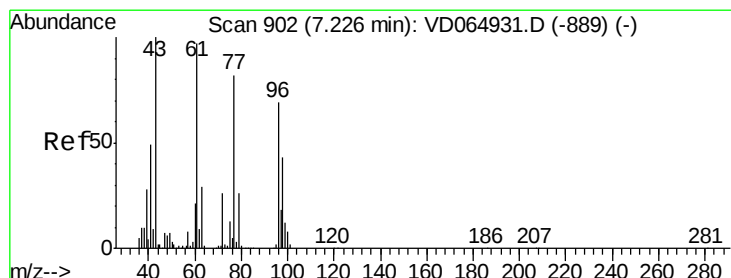
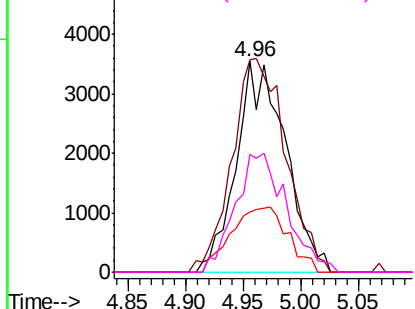
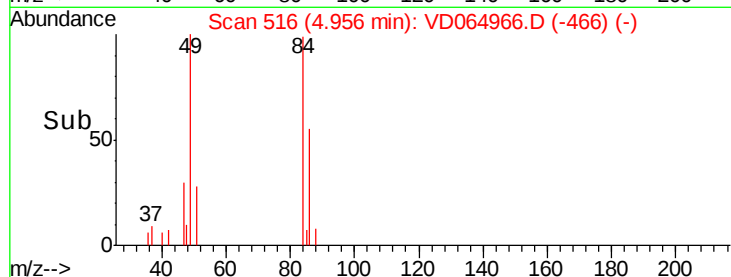
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 10527
Ion Ratio Lower Upper
84 100
49 100.8 98.4 147.6
51 28.7 30.8 46.2#
86 55.7 51.0 76.6

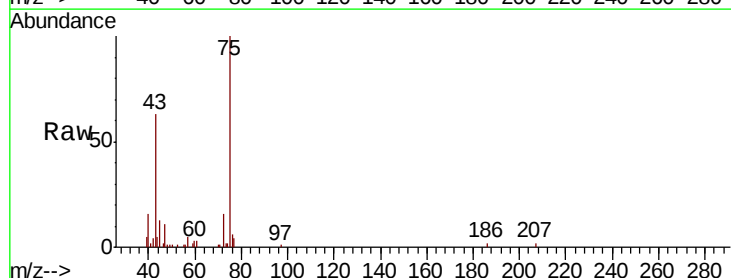


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

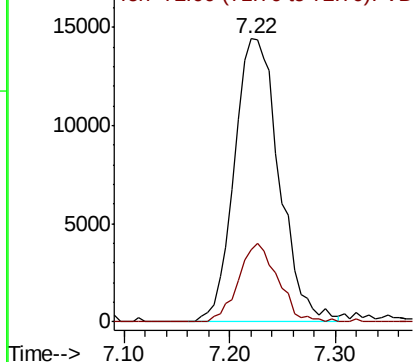
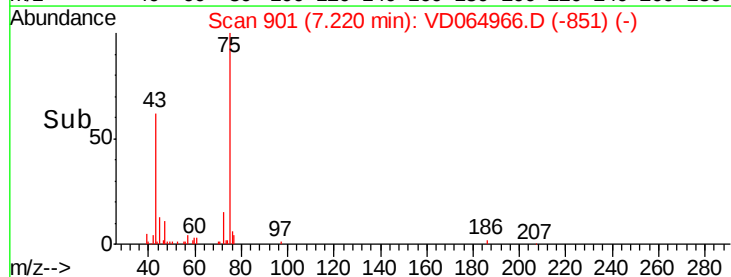


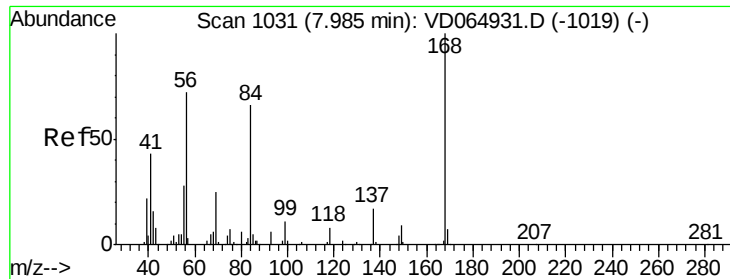
#25
2-Butanone
Concen: 38.615 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Tgt Ion: 43 Resp: 42573
Ion Ratio Lower Upper
43 100
72 25.3 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

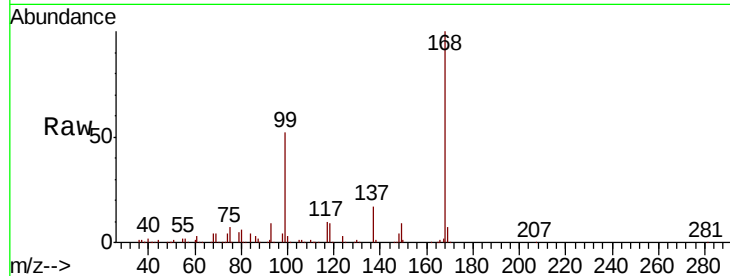




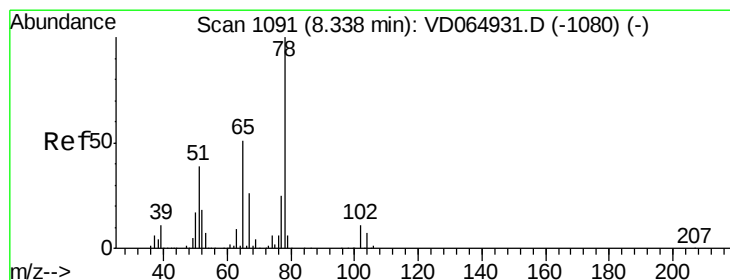
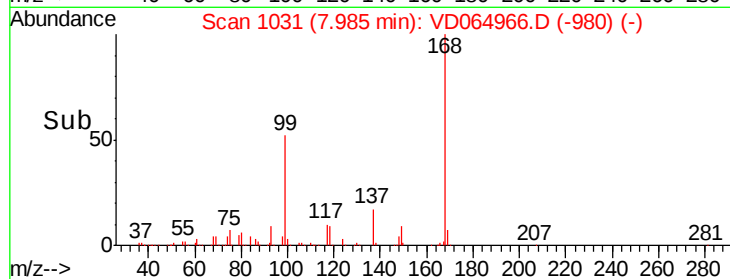
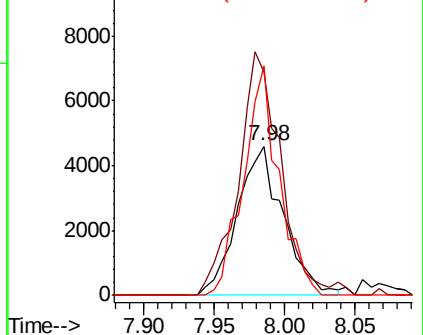
#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 10452
Ion Ratio Lower Upper
56 100
69 149.5 27.9 41.9#
84 153.5 72.8 109.2#

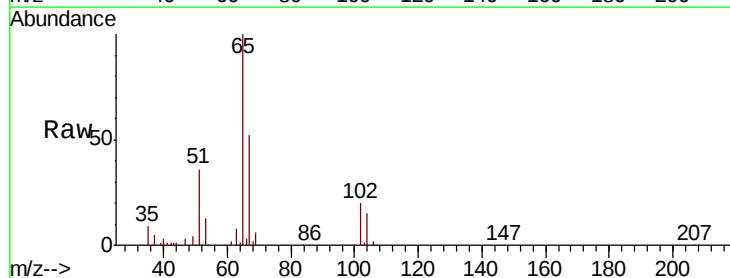


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

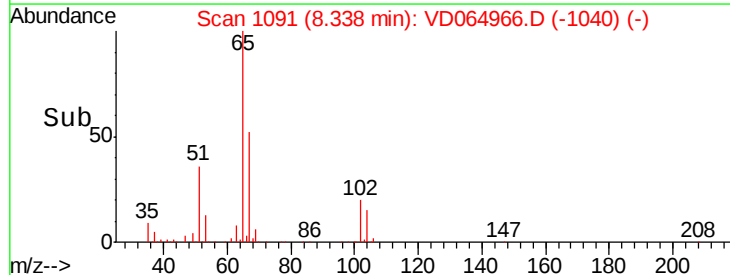
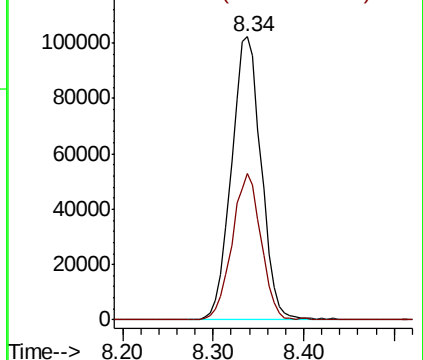


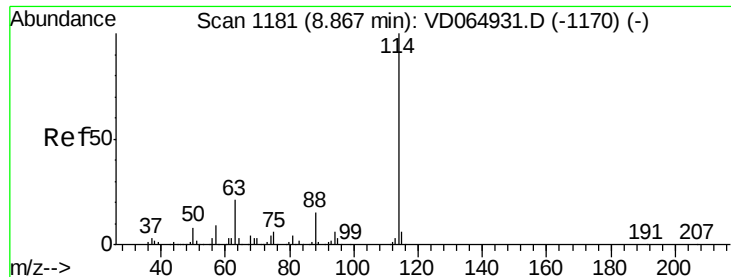
#33
1,2-Dichloroethane-d4
Concen: 57.059 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Tgt Ion: 65 Resp: 232851
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.6



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

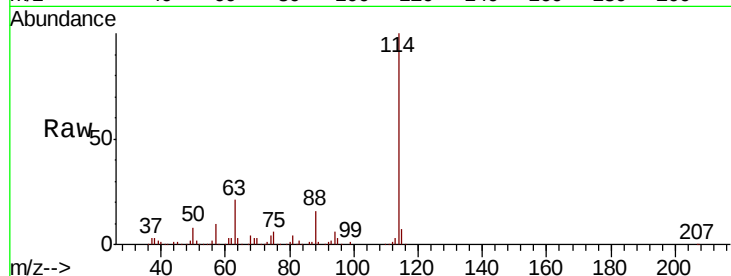




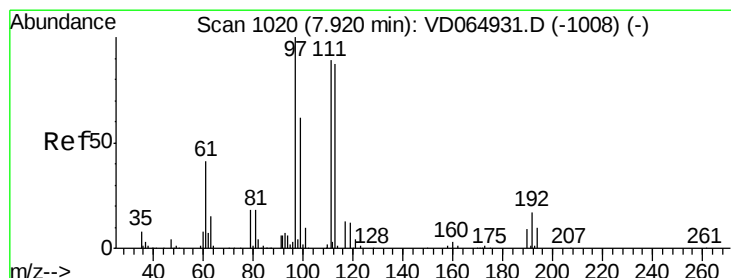
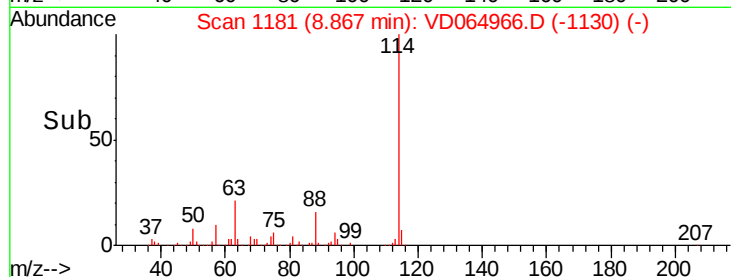
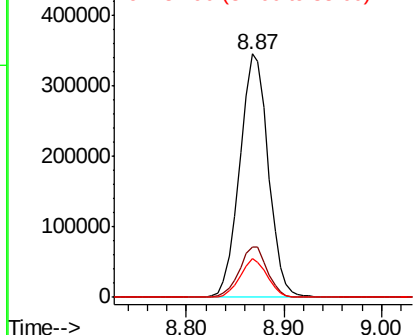
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064966.D
 Acq: 27 Jan 2020 16:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.0
88	15.8	0.0	29.4

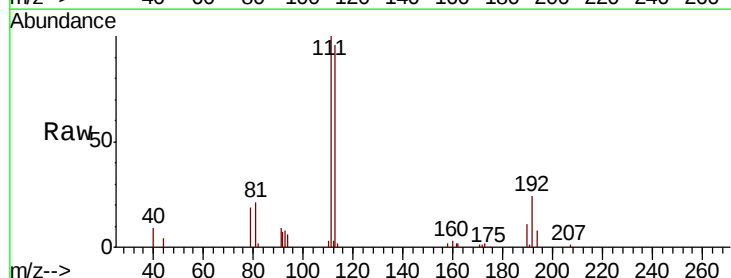


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

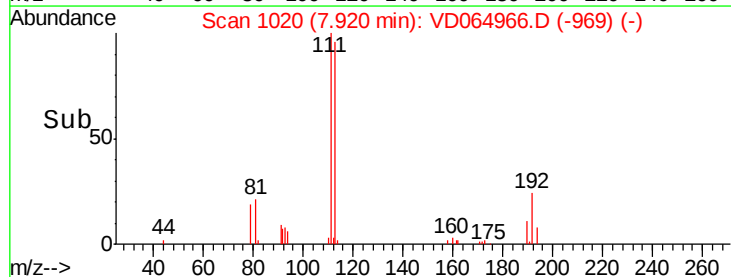
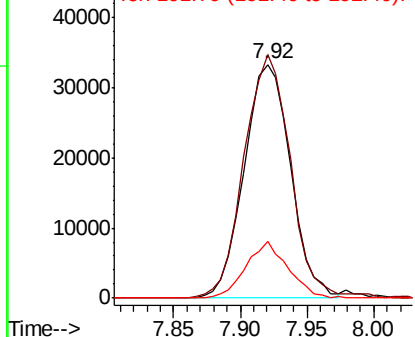


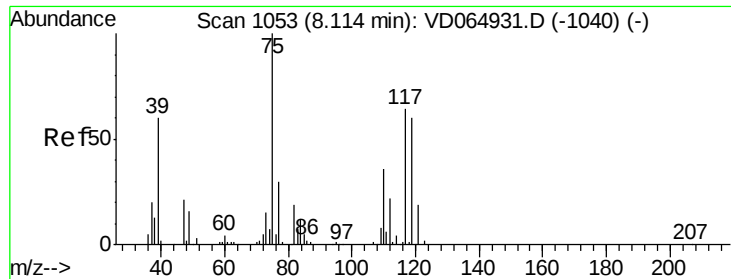
#35
 Dibromofluoromethane
 Concen: 18.239 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064966.D
 Acq: 27 Jan 2020 16:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.4	123.6
192	21.9	16.9	25.3



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

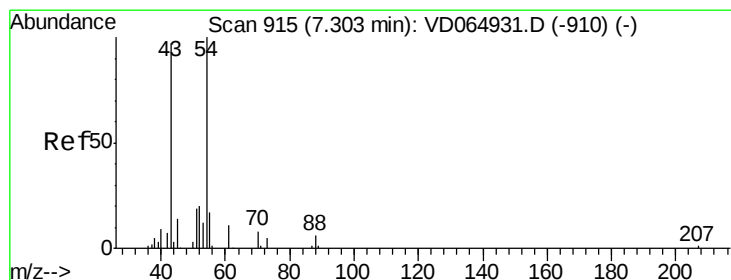
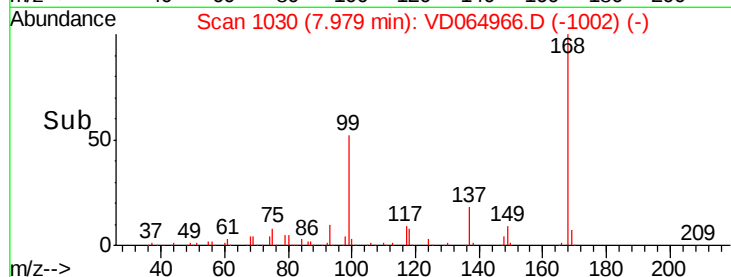
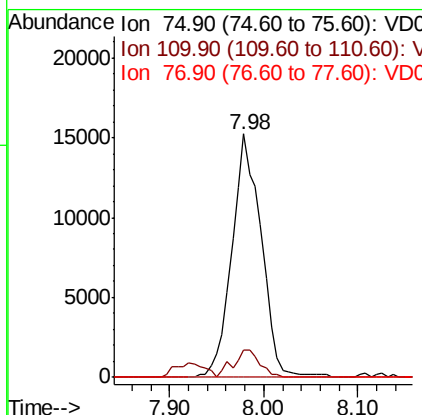
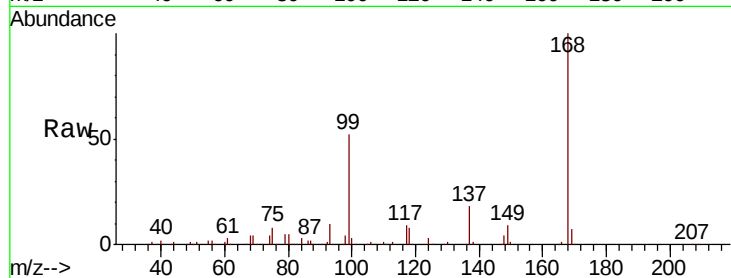




#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064966.D
 Acq: 27 Jan 2020 16:25

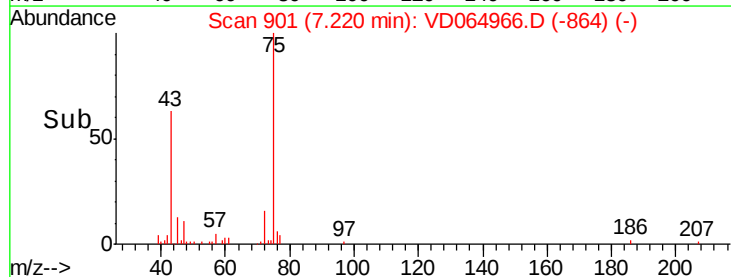
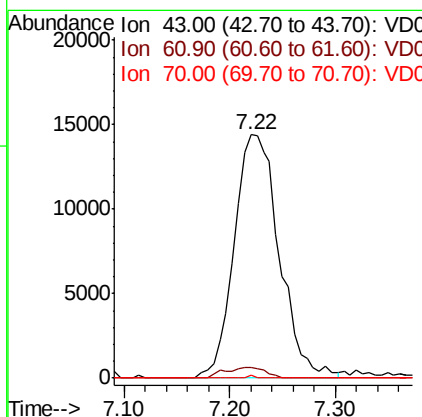
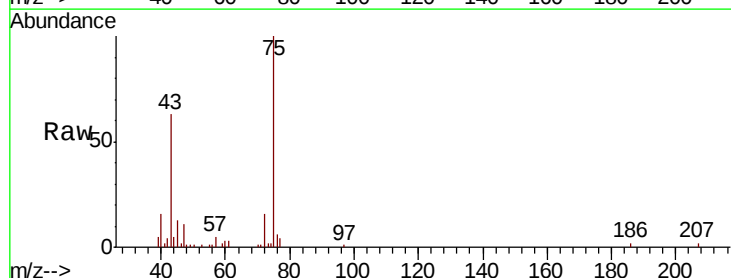
Instrument :
 MSVOA_D
 ClientSampled :

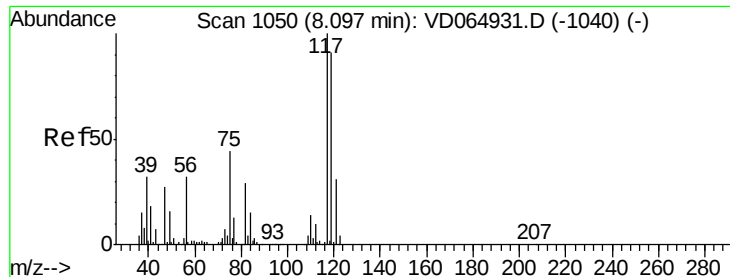
Tot Ion: 75 Resp: 32875
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.3 52.0#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 15.210 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD064966.D
 Acq: 27 Jan 2020 16:25

Tgt Ion: 43 Resp: 42573
 Ion Ratio Lower Upper
 43 100
 61 4.0 11.0 16.4#
 70 0.1 7.5 11.3#

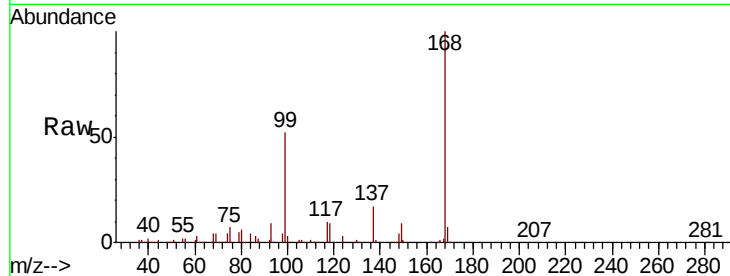




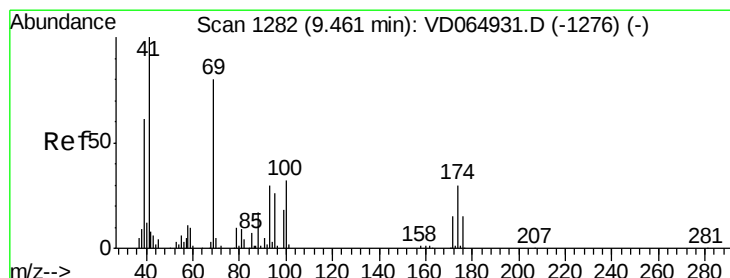
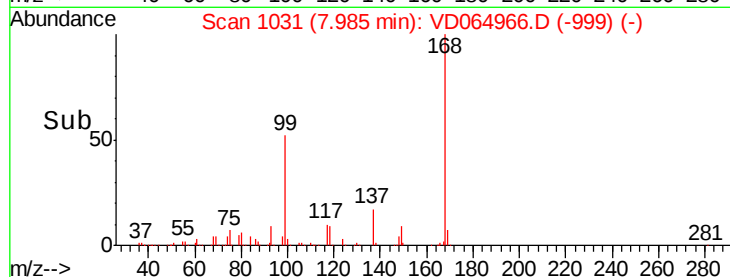
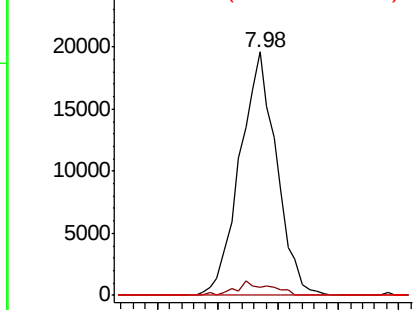
#38
Carbon Tetrachloride
Concen: 5.798 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 41528
Ion Ratio Lower Upper
117 100
119 3.1 73.2 109.8#
121 0.0 24.4 36.6#

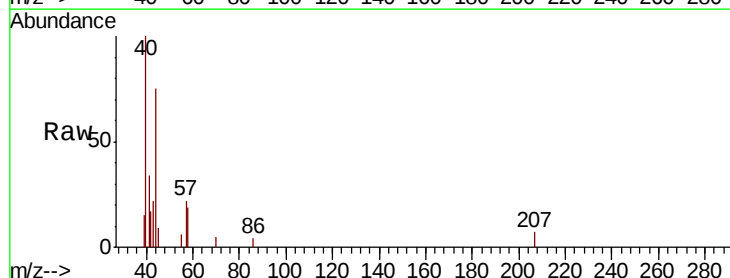


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

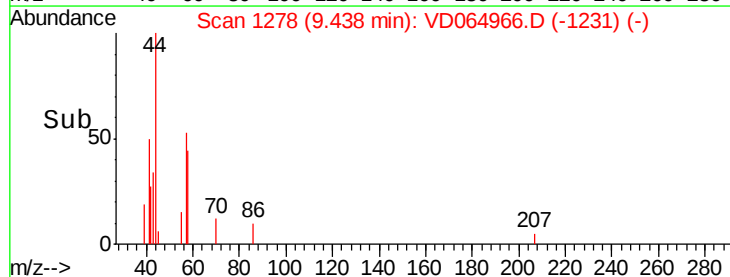
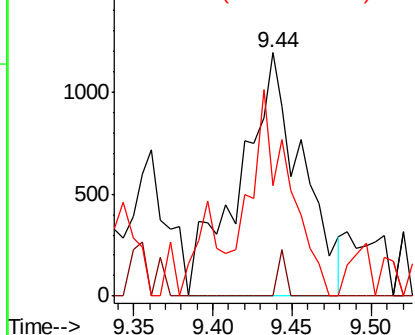


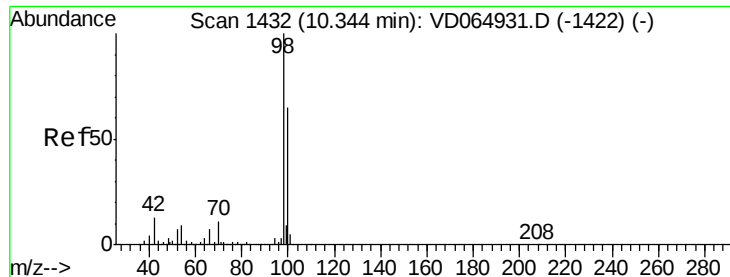
#48
Methyl methacrylate
Concen: 1.324 ug/l
RT: 9.44 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Tgt Ion: 41 Resp: 3240
Ion Ratio Lower Upper
41 100
69 2.5 65.8 98.8#
39 52.6 49.4 74.0



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





#50

Toluene-d8

Concen: 49.765 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

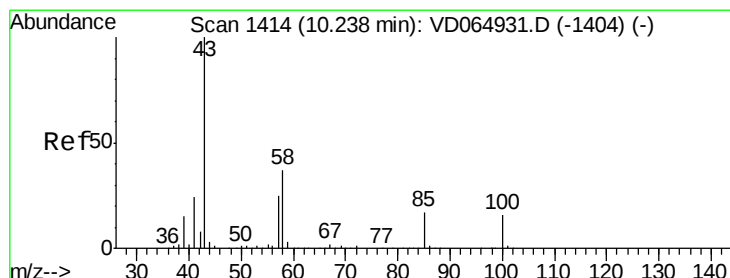
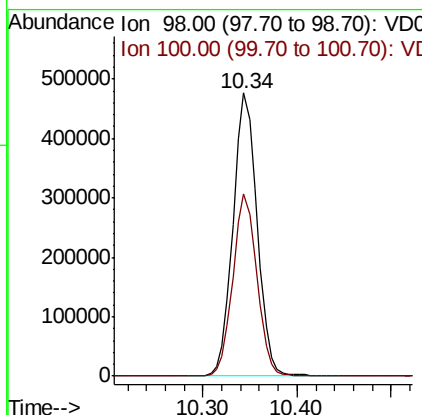
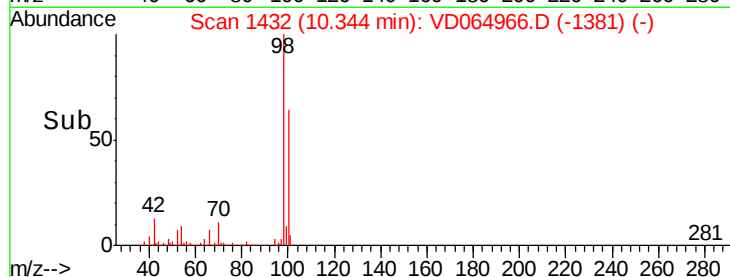
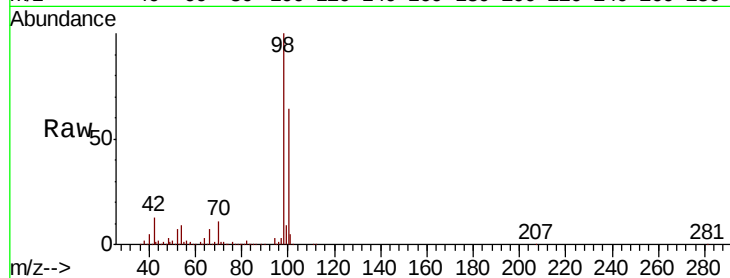
ClientSampleId :

Tot Ion: 98 Resp: 848227

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.334 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD064966.D

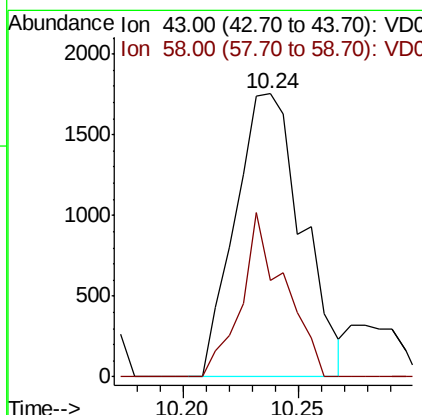
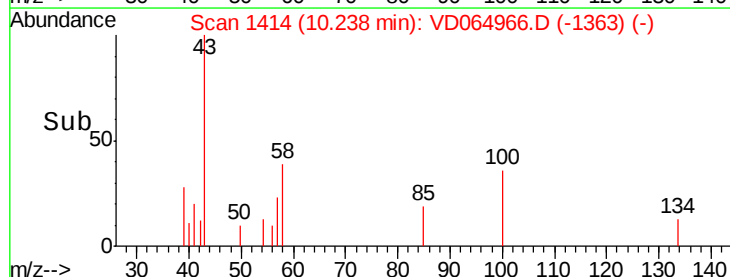
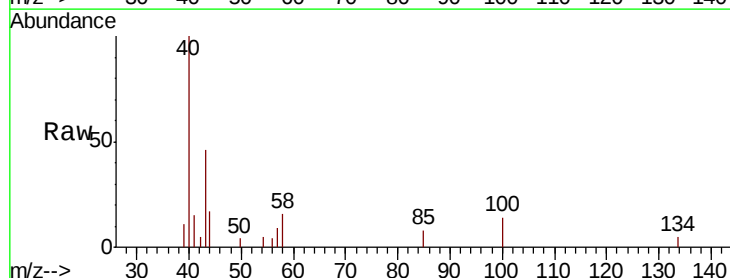
Acq: 27 Jan 2020 16:25

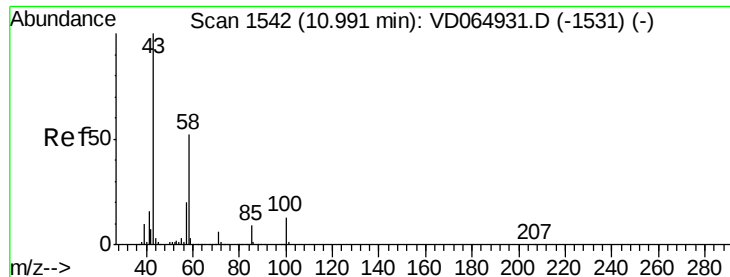
Tgt Ion: 43 Resp: 3550

Ion Ratio Lower Upper

43 100

58 37.5 30.4 45.6

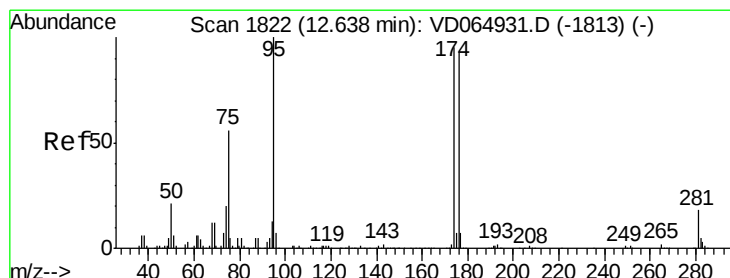
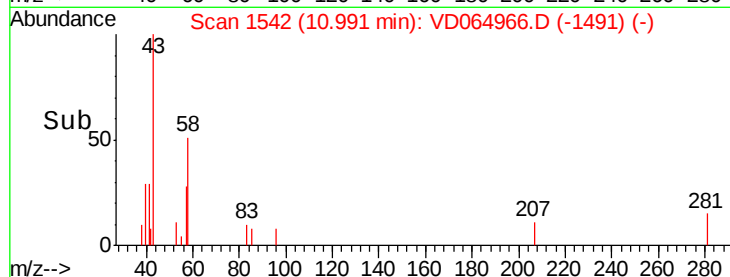
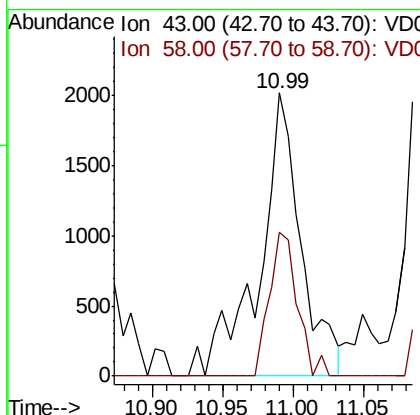
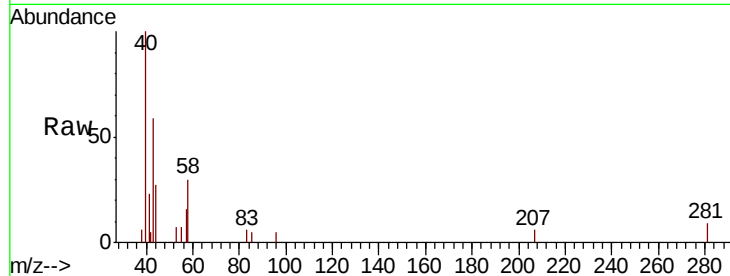




#59
2-Hexanone
Concen: 2.288 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

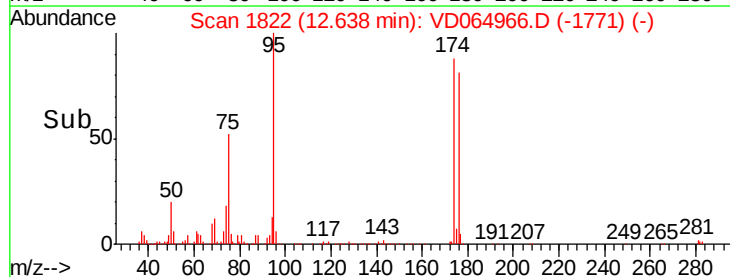
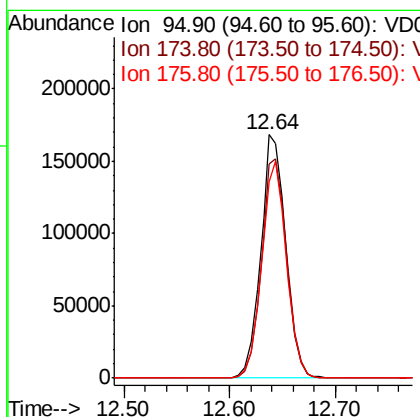
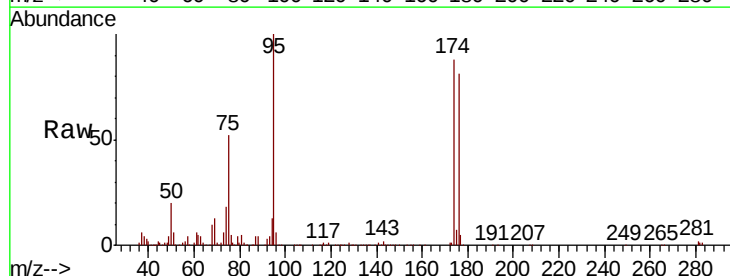
Instrument :
MSVOA_D
ClientSampleId :

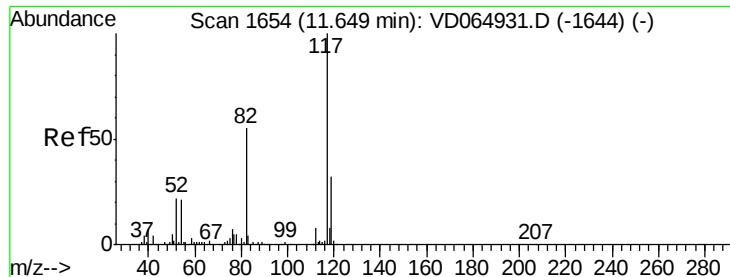
Tot Ion: 43 Resp: 4199
Ion Ratio Lower Upper
43 100
58 33.9 26.5 79.4



#62
4-Bromofluorobenzene
Concen: 52.950 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Tgt Ion: 95 Resp: 276185
Ion Ratio Lower Upper
95 100
174 91.8 0.0 186.8
176 88.0 0.0 183.4

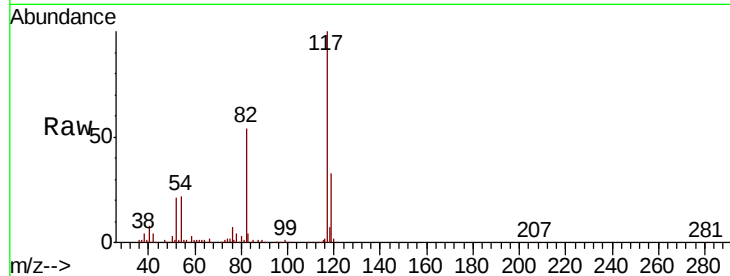




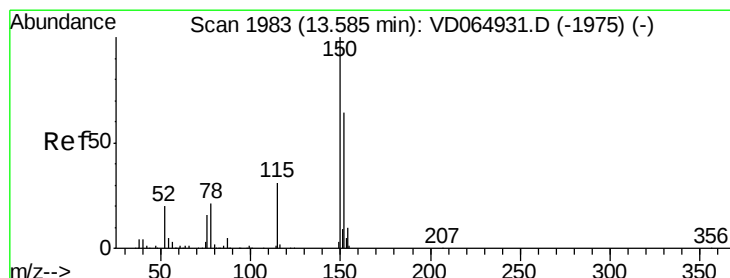
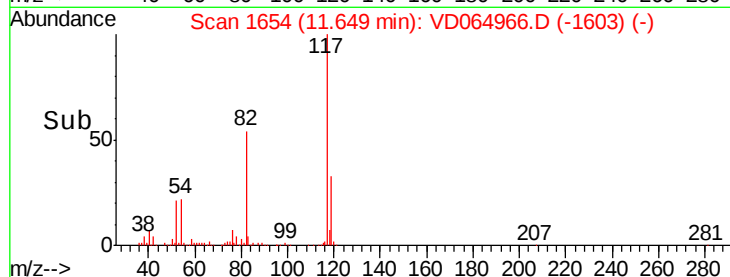
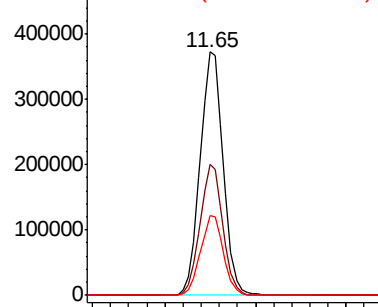
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 657449
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 32.8 25.2 37.8

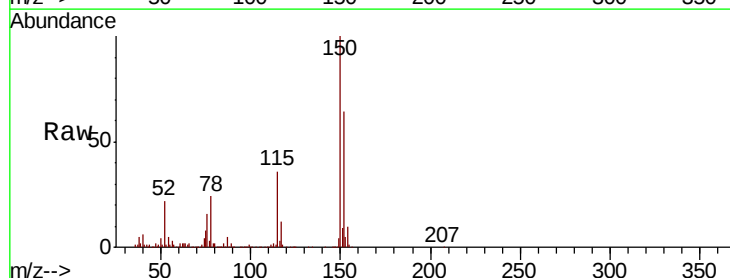


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

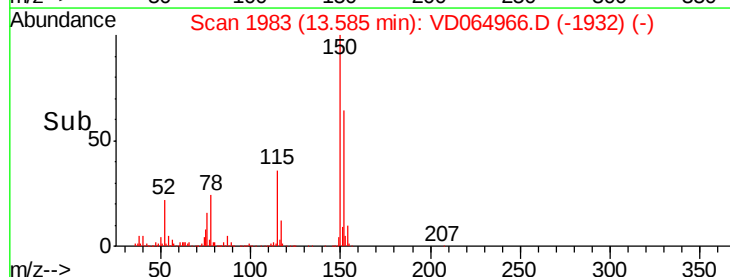
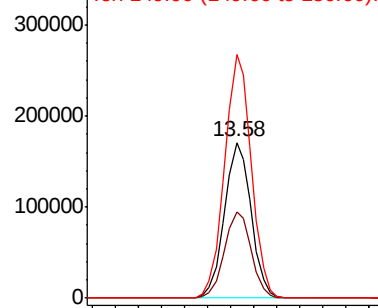


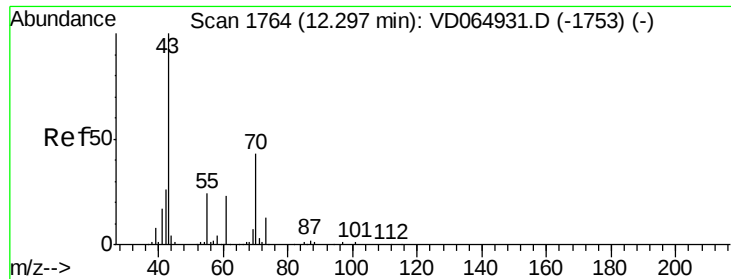
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064966.D
Acq: 27 Jan 2020 16:25

Tgt Ion:152 Resp: 274690
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.4
150 156.9 0.0 350.4



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: 1.646 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.04 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 6917

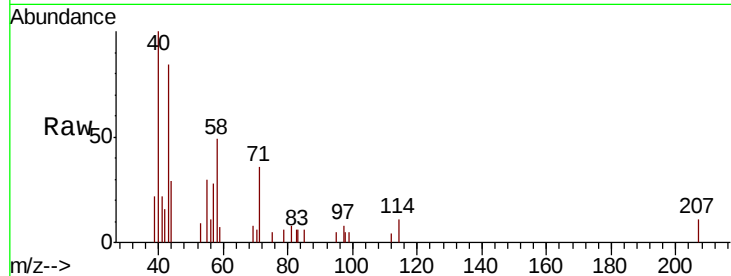
Ion Ratio Lower Upper

43 100

70 7.9 32.6 49.0#

55 16.5 19.9 29.9#

61 0.0 18.3 27.5#

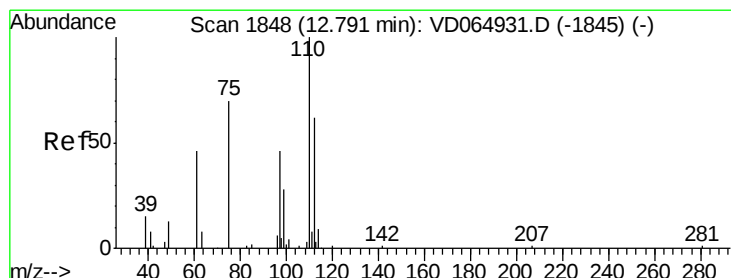
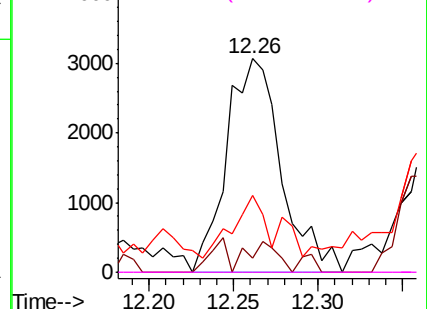
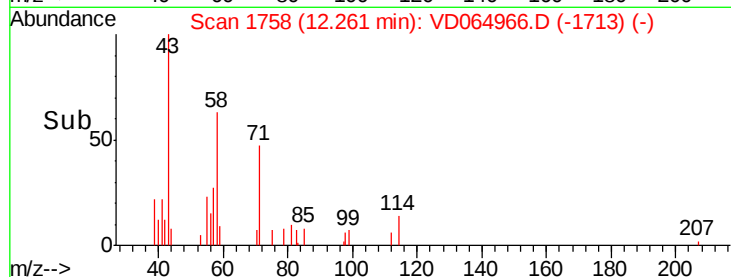


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 64.820 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD064966.D

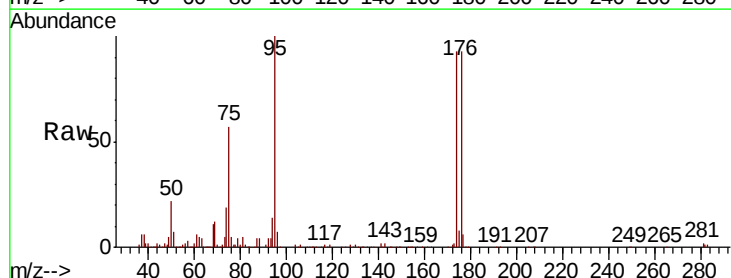
Acq: 27 Jan 2020 16:25

Tgt Ion: 75 Resp: 147787

Ion Ratio Lower Upper

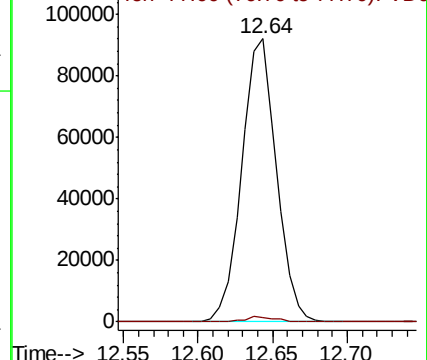
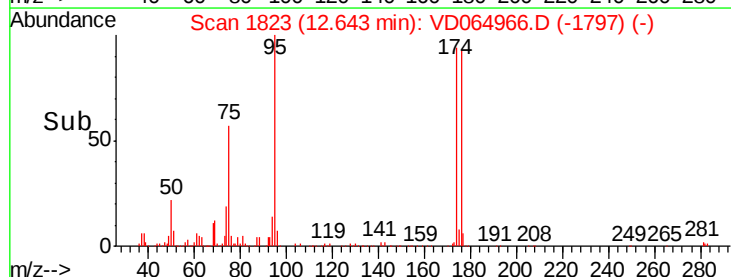
75 100

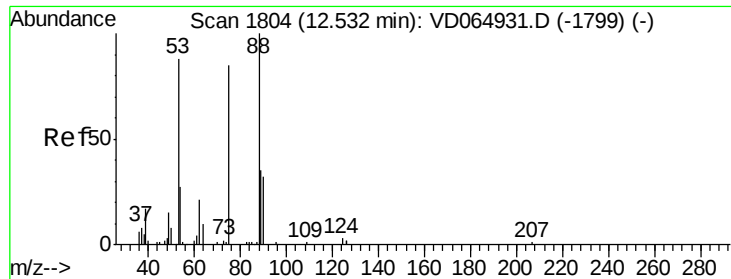
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 138.406 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 147787

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.4#

89 0.1 36.2 54.4#

