

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065272.D
 Acq On : 21 Feb 2020 13:42
 Operator : VA/SY
 Sample : L1626-04RE
 Misc : 3.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:23:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	556825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	923559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	819744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	363411	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	300514	59.99	ug/l	0.00
Spiked Amount			Recovery	=	119.98%	
35) Dibromofluoromethane	7.92	113	298272	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
50) Toluene-d8	10.34	98	1104713	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.64	95	330109	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

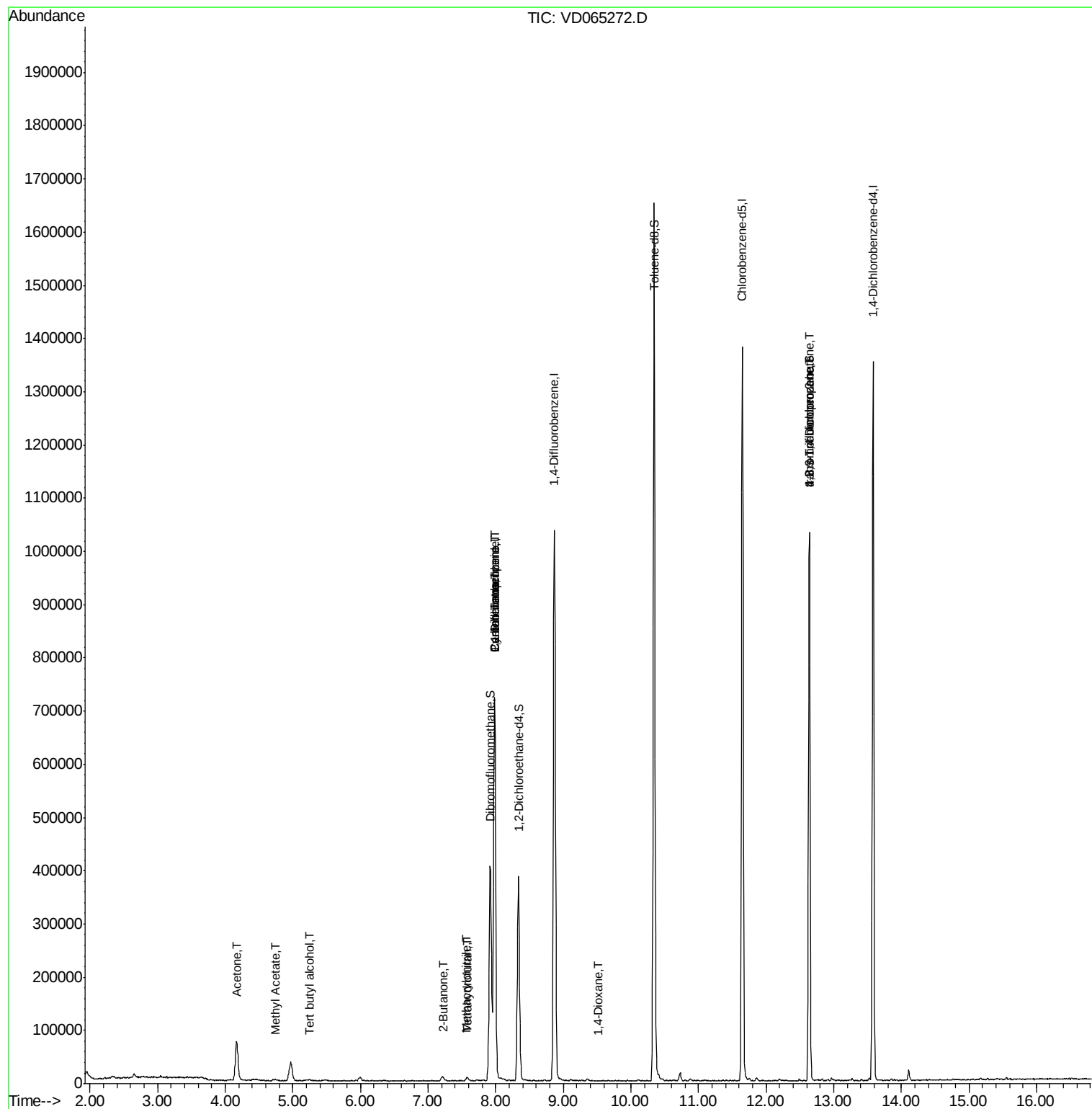
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	2783	9.297	ug/l #	72
13) Acrolein	3.65	56	277	Below Cal	#	14
16) Acetone	4.17	43	132564	108.259	ug/l	96
18) Methyl Acetate	4.74	43	3929	1.427	ug/l #	66
25) 2-Butanone	7.23	43	2407	1.554	ug/l #	49
29) Tetrahydrofuran	7.58	42	4917	5.417	ug/l	94
31) Cyclohexane	7.98	56	12196	1.238	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	41608	4.630	ug/l #	48
38) Carbon Tetrachloride	7.98	117	52243	5.711	ug/l #	15
41) Methacrylonitrile	7.57	41	3305	1.524	ug/l #	50
49) 1,4-Dioxane	9.51	88	60	1.576	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	164914	53.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	164914	115.161	ug/l #	11

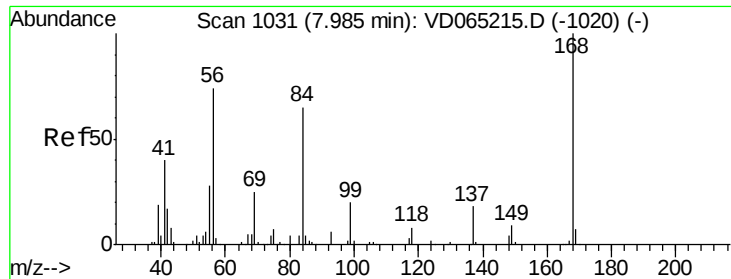
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

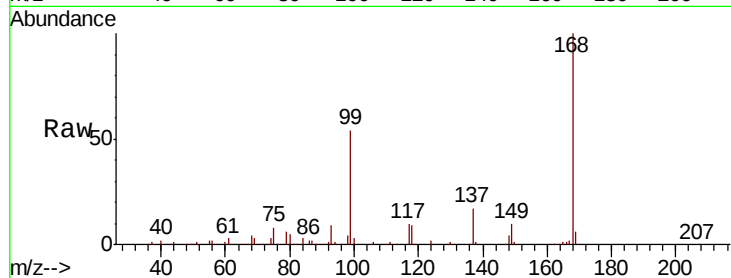
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 556825

Ion Ratio Lower Upper

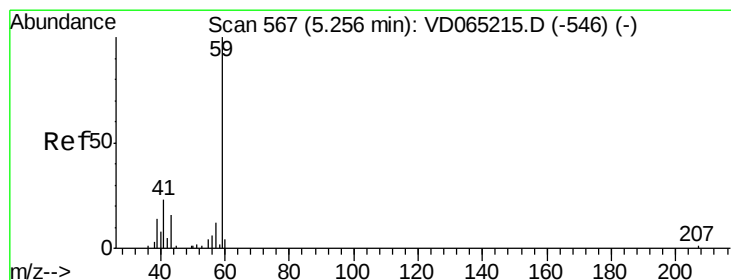
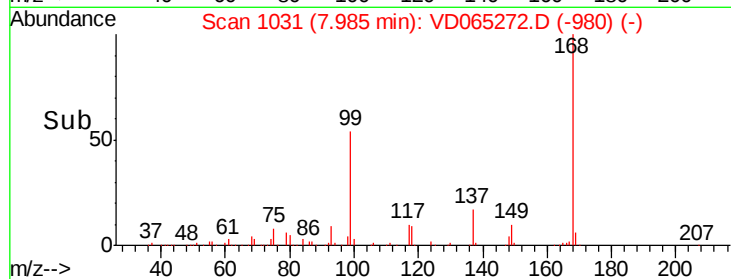
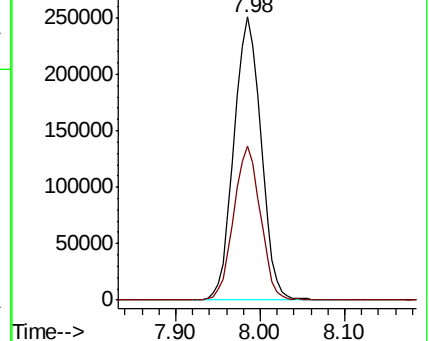
168 100

99 54.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 9.297 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065272.D

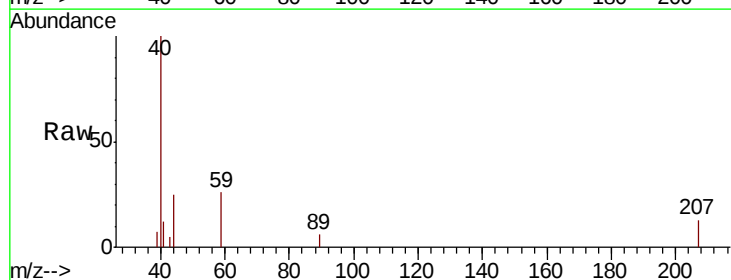
Acq: 21 Feb 2020 13:42

Tgt Ion: 59 Resp: 2783

Ion Ratio Lower Upper

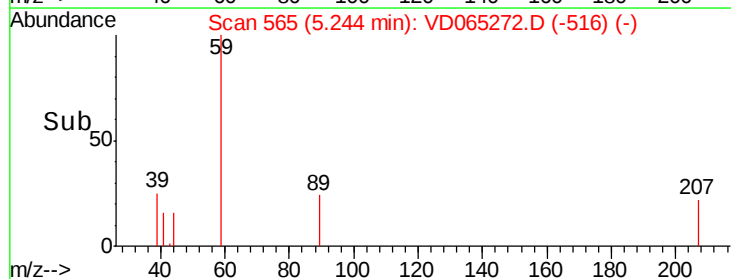
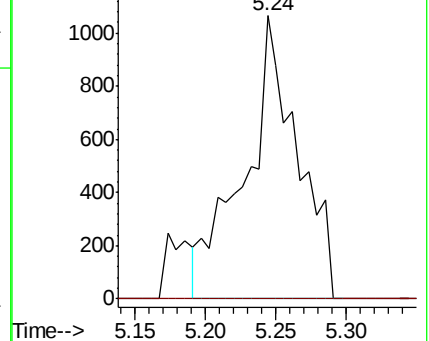
59 100

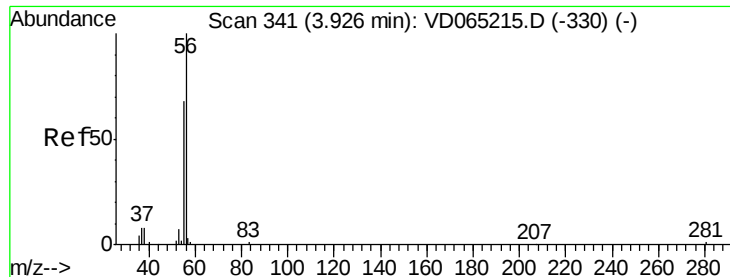
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: Below Cal

RT: 3.65 min Scan# 294

Delta R.T. -0.28 min

Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

Instrument :

MSVOA_D

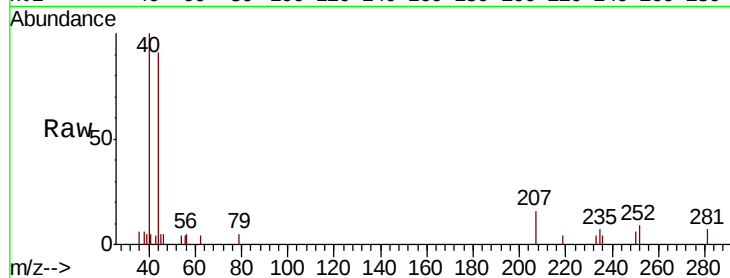
ClientSampleId :

Tot Ion: 56 Resp: 277

Ion Ratio Lower Upper

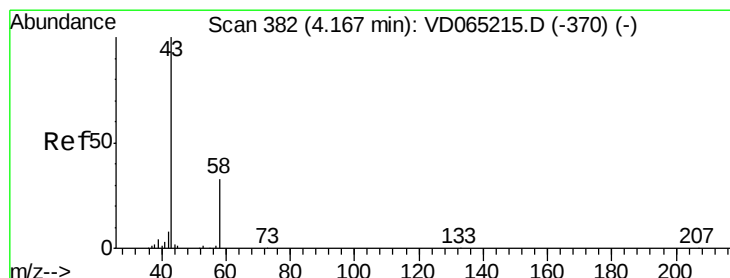
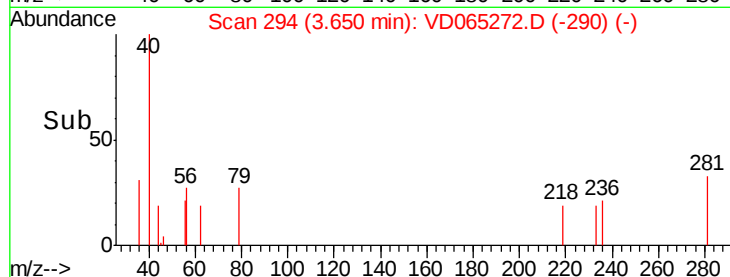
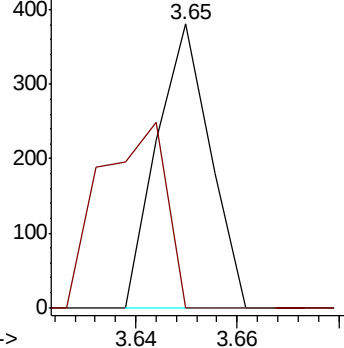
56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 108.259 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065272.D

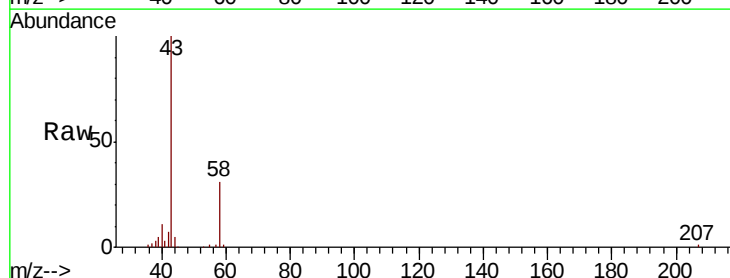
Acq: 21 Feb 2020 13:42

Tgt Ion: 43 Resp: 132564

Ion Ratio Lower Upper

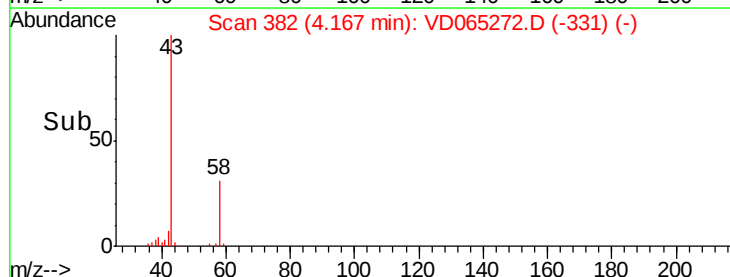
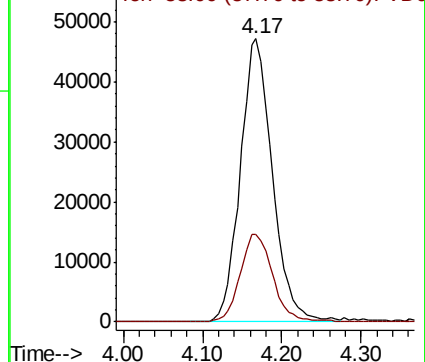
43 100

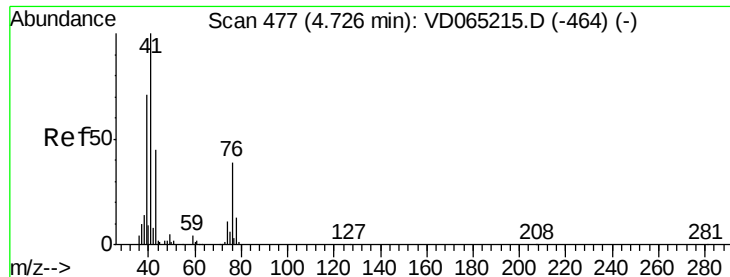
58 30.7 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

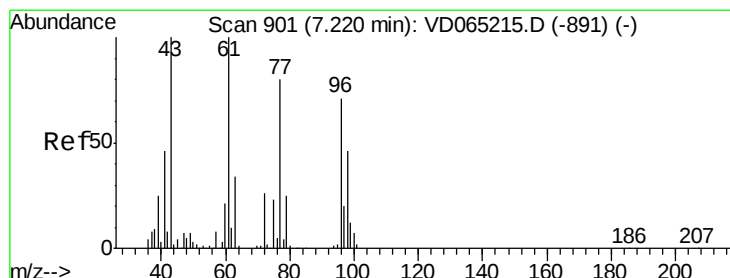
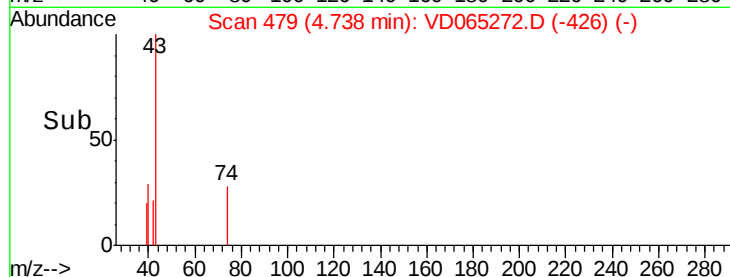
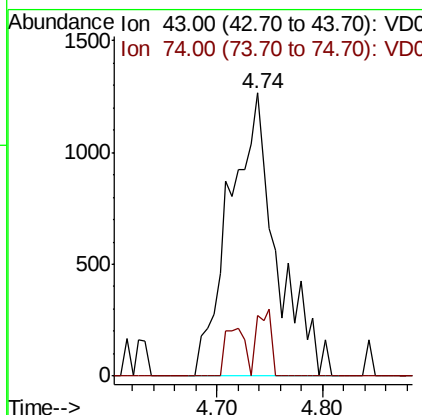
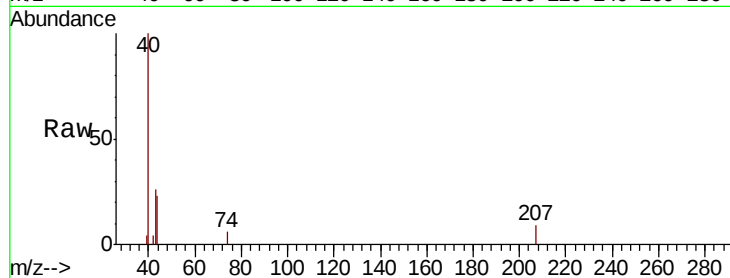




#18
Methvl Acetate
Concen: 1.427 ug/l
RT: 4.74 min Scan# 479
Delta R.T. 0.01 min
Lab File: VD065272.D
Acq: 21 Feb 2020 13:42

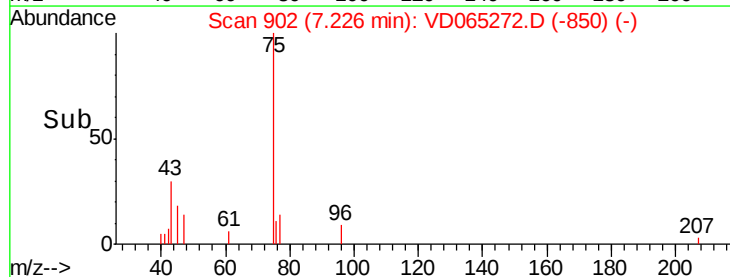
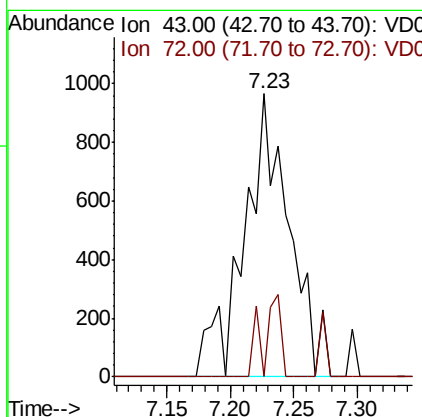
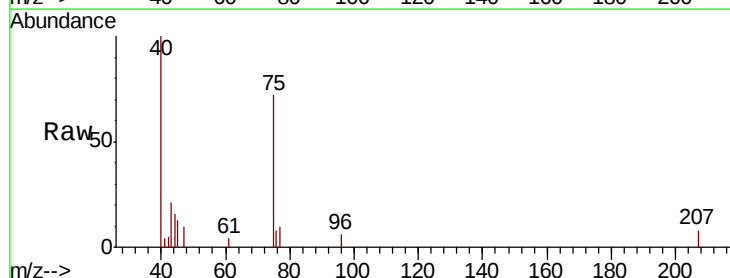
Instrument :
MSVOA_D
ClientSampled :

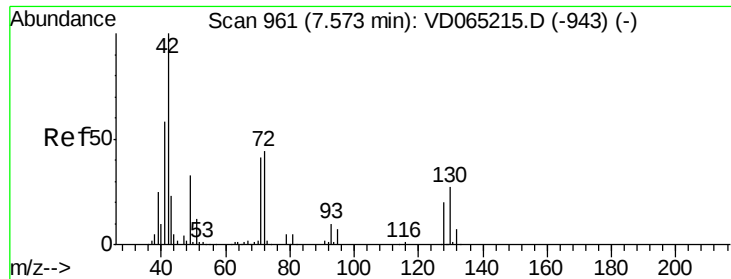
Tot Ion: 43 Resp: 3929
Ion Ratio Lower Upper
43 100
74 7.4 19.4 29.2#



#25
2-Butanone
Concen: 1.554 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065272.D
Acq: 21 Feb 2020 13:42

Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

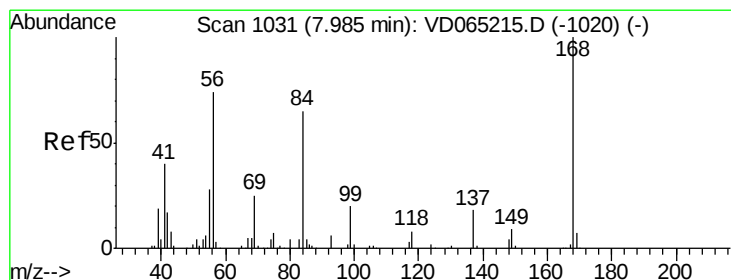
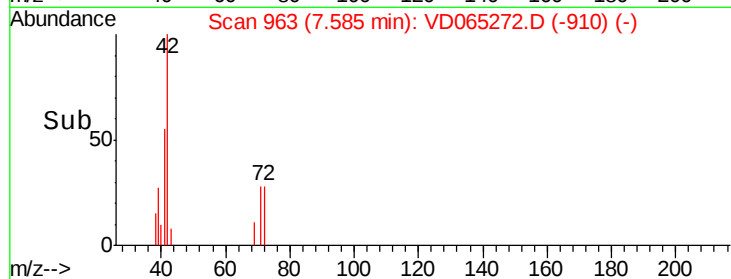
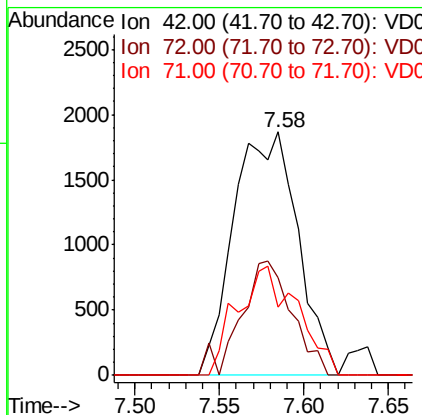
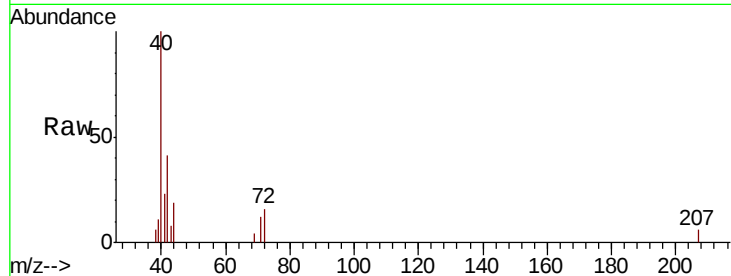




#29
Tetrahydrofuran
Concen: 5.417 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD065272.D
Acq: 21 Feb 2020 13:42

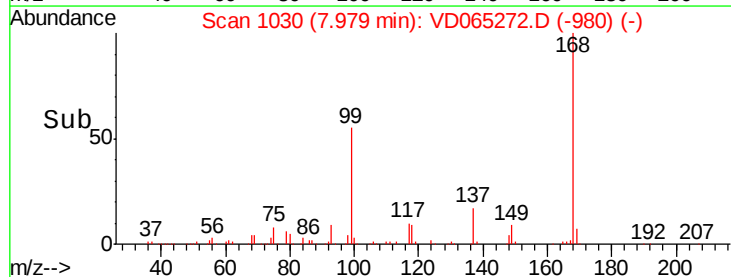
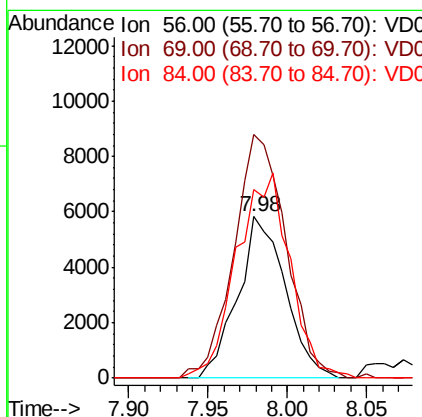
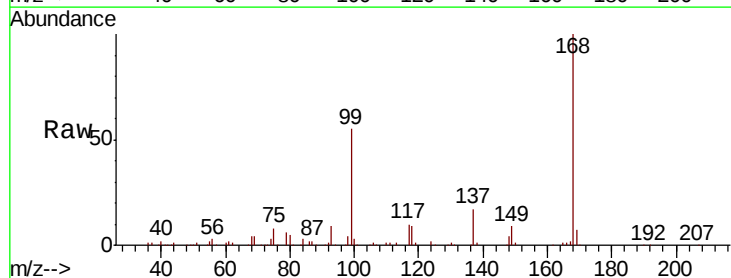
Instrument :
MSVOA_D
ClientSampleId :

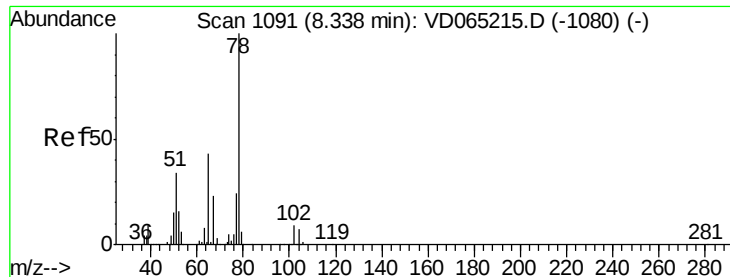
Tot Ion: 42 Resp: 4917
Ion Ratio Lower Upper
42 100
72 37.6 33.7 50.5
71 42.3 31.4 47.2



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065272.D
Acq: 21 Feb 2020 13:42

Tgt Ion: 56 Resp: 12196
Ion Ratio Lower Upper
56 100
69 147.3 27.4 41.0#
84 114.1 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 59.992 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

Instrument :

MSVOA_D

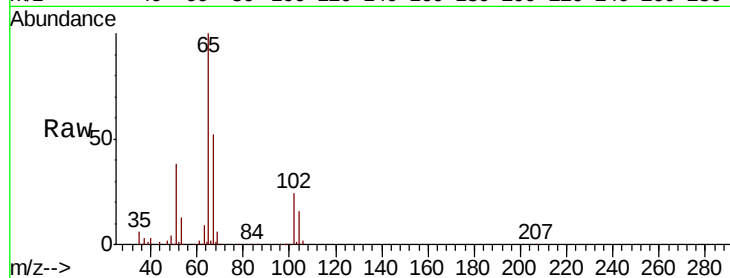
ClientSampleId :

Tot Ion: 65 Resp: 300514

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

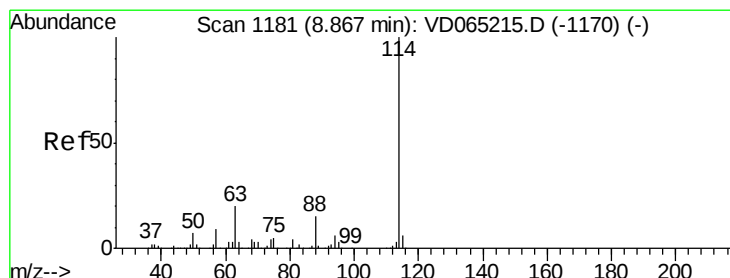
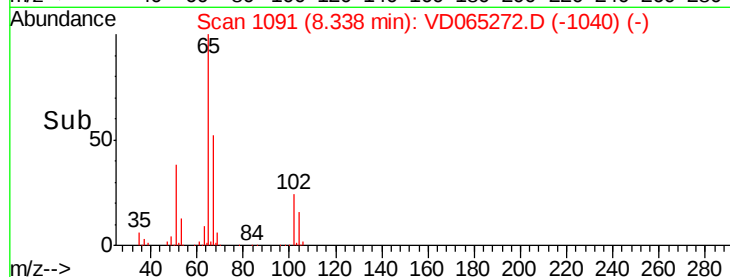
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

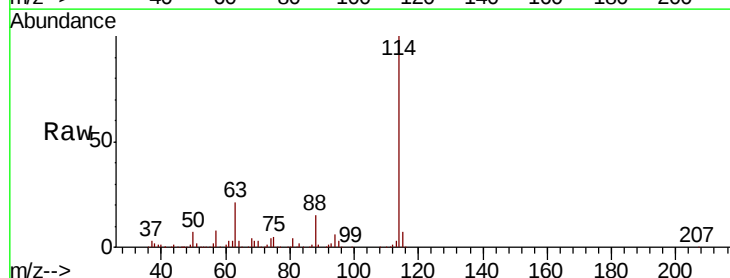
Tgt Ion: 114 Resp: 923559

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.4

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

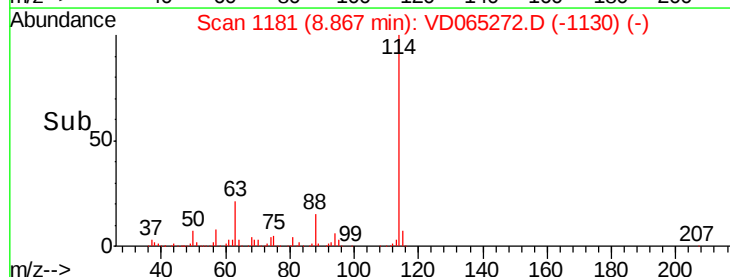
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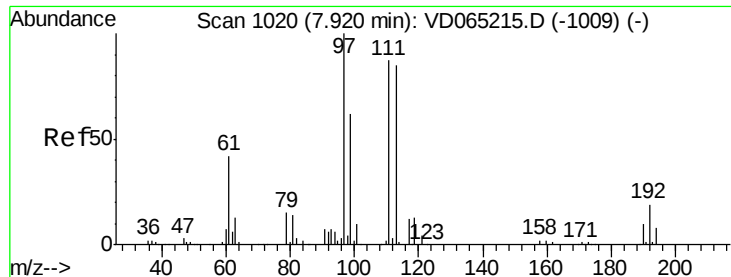
200000

100000

0

Time-->

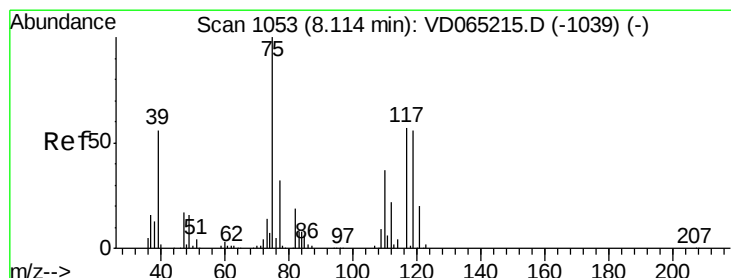
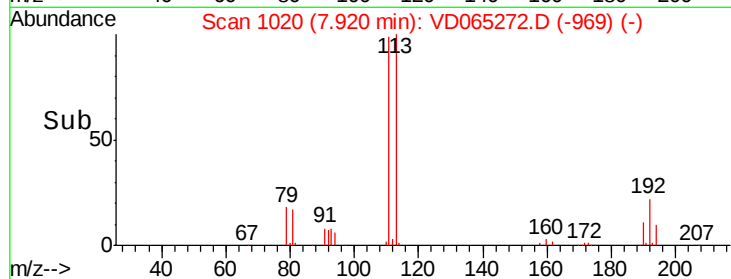
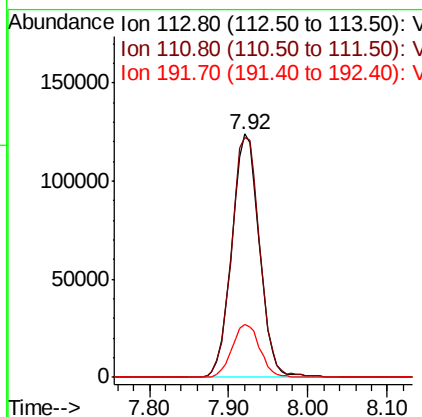
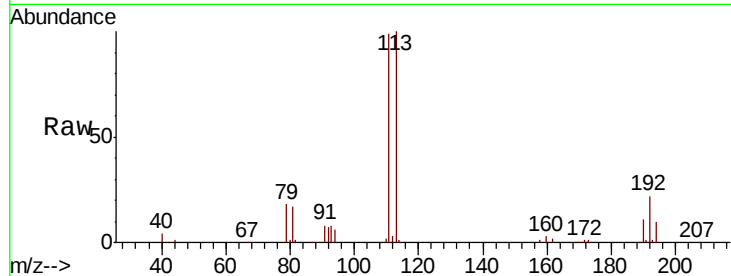




#35
 Dibromofluoromethane
 Concen: 52.967 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065272.D
 Acq: 21 Feb 2020 13:42

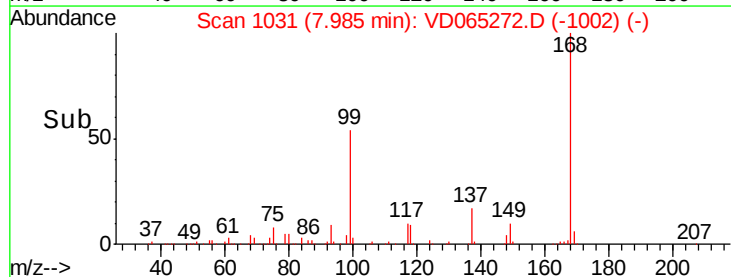
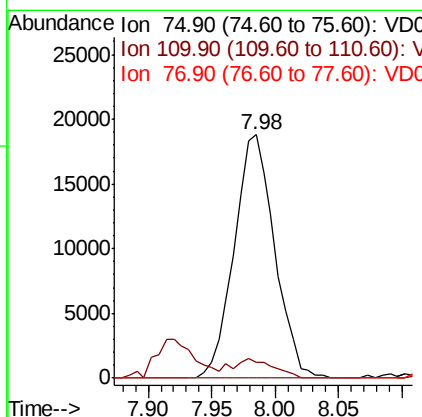
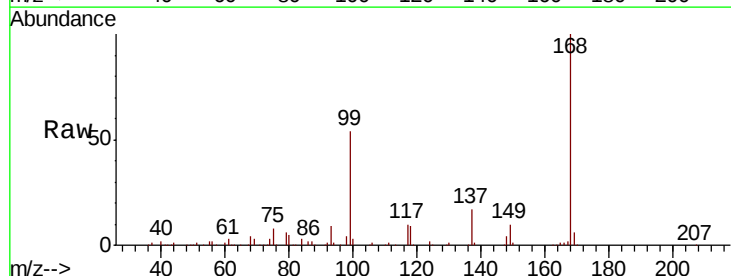
Instrument :
 MSVOA_D
 ClientSampleId :

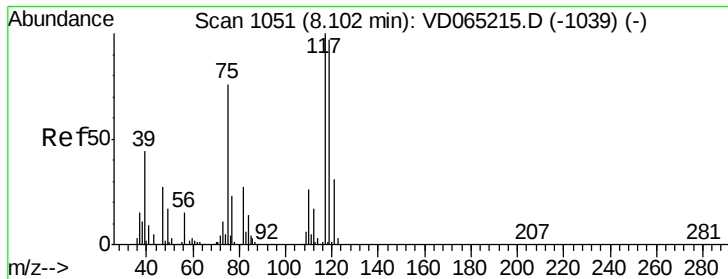
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.9	124.3
192	22.0	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065272.D
 Acq: 21 Feb 2020 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.9	53.7#
77	0.0	25.1	37.7#

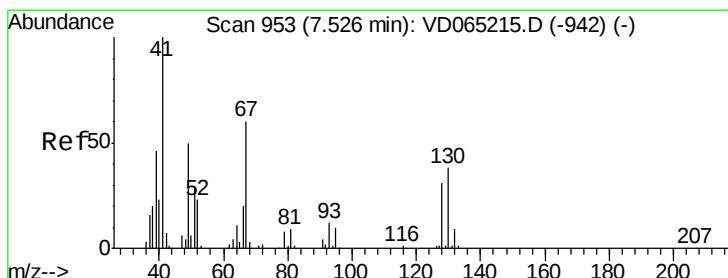
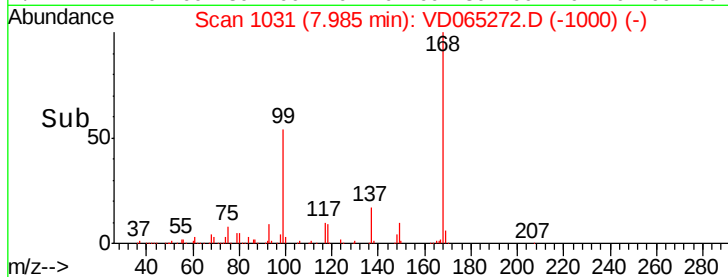
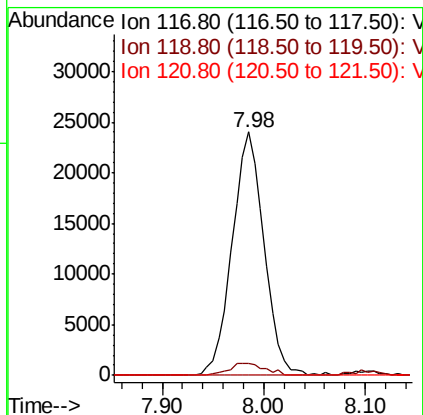
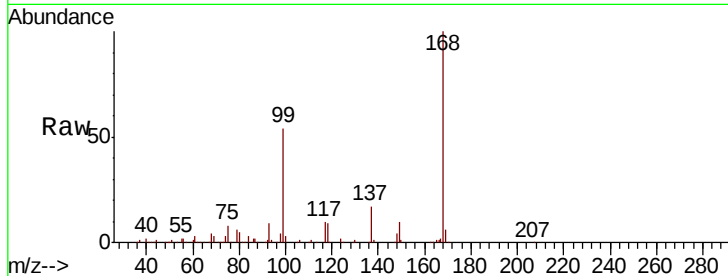




#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065272.D
Acq: 21 Feb 2020 13:42

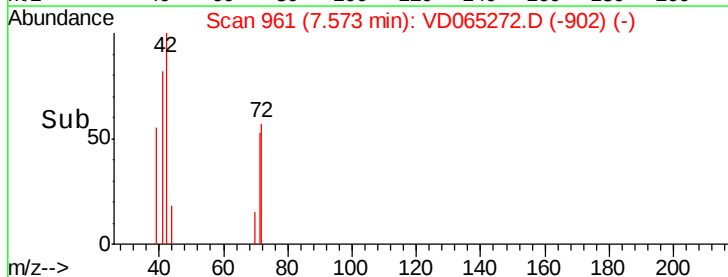
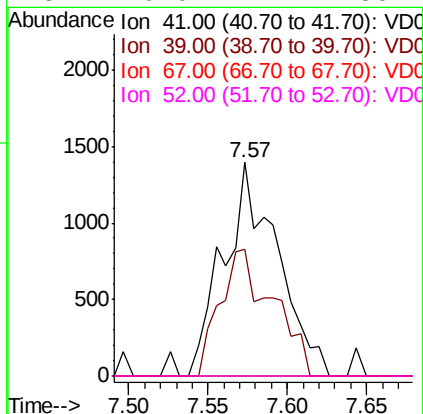
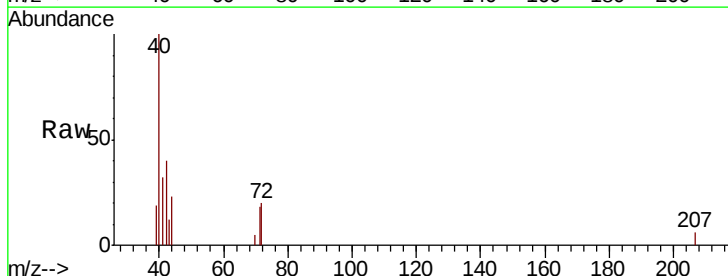
Instrument :
MSVOA_D
ClientSampleId :

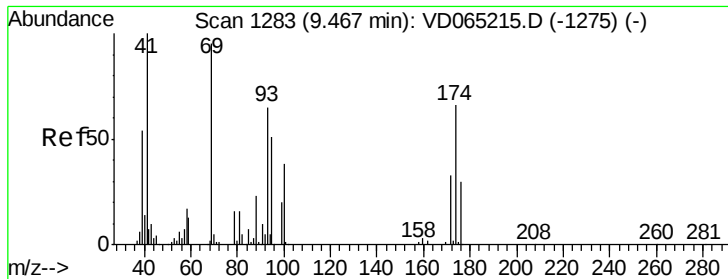
Tot Ion:117 Resp: 52243
Ion Ratio Lower Upper
117 100
119 4.9 77.6 116.4#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.524 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.05 min
Lab File: VD065272.D
Acq: 21 Feb 2020 13:42

Tgt Ion: 41 Resp: 3305
Ion Ratio Lower Upper
41 100
39 58.1 48.1 72.1
67 0.0 58.9 88.3#
52 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 1.576 ug/l

RT: 9.51 min Scan# 1291

Delta R.T. 0.05 min

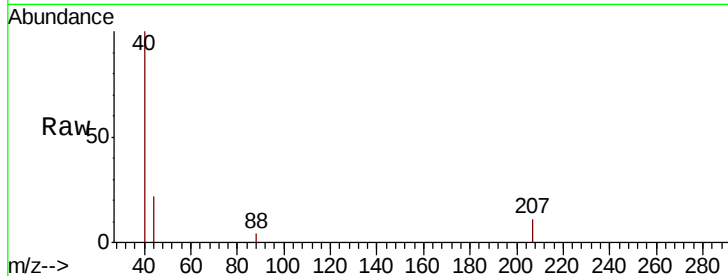
Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

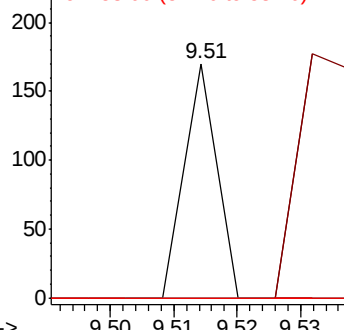
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 60

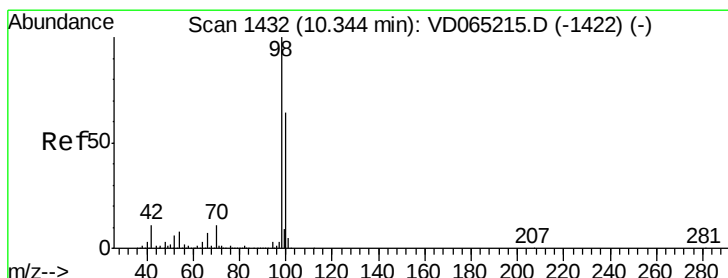
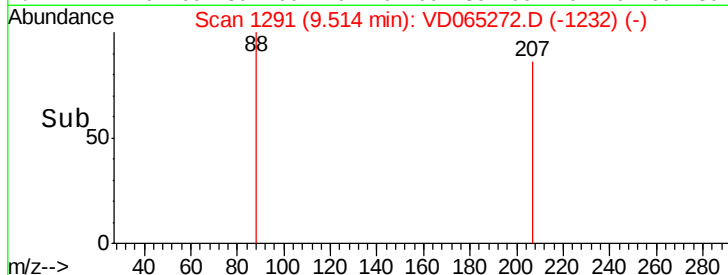
Ion	Ratio	Lower	Upper
88	100		
43	201.7	28.5	42.7#
58	0.0	58.6	87.8#



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



Time-->



#50

Toluene-d8

Concen: 51.315 ug/l

RT: 10.34 min Scan# 1432

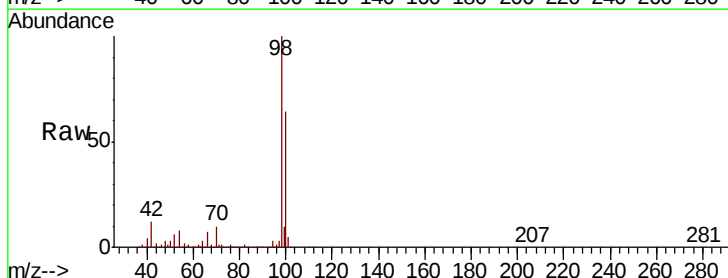
Delta R.T. 0.00 min

Lab File: VD065272.D

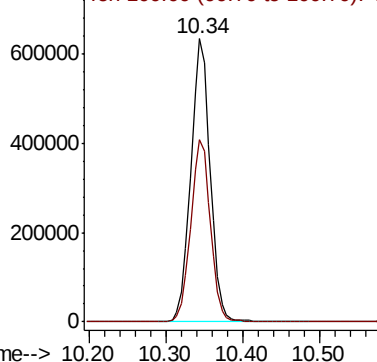
Acq: 21 Feb 2020 13:42

Tgt Ion: 98 Resp: 1104713

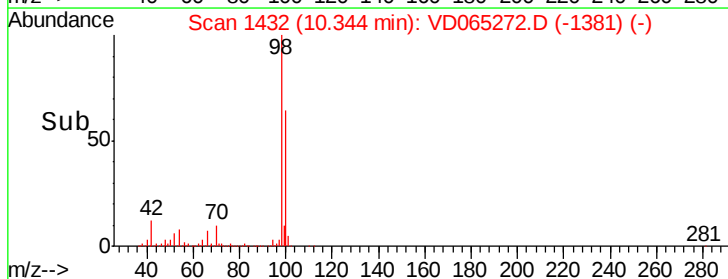
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0

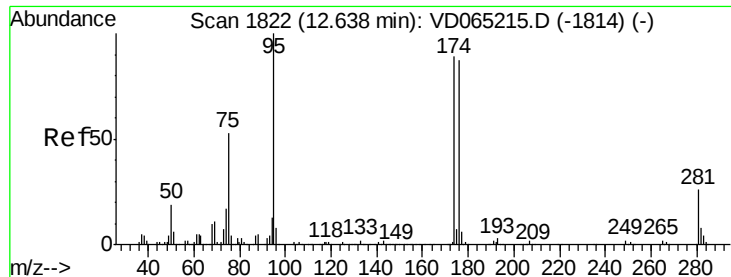


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 48.404 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

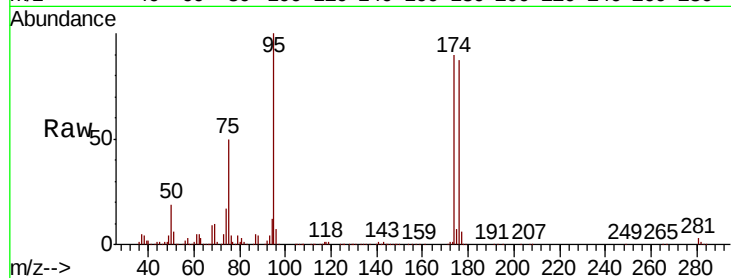
Tot Ion: 95 Resp: 330109

Ion Ratio Lower Upper

95 100

174 88.7 0.0 178.0

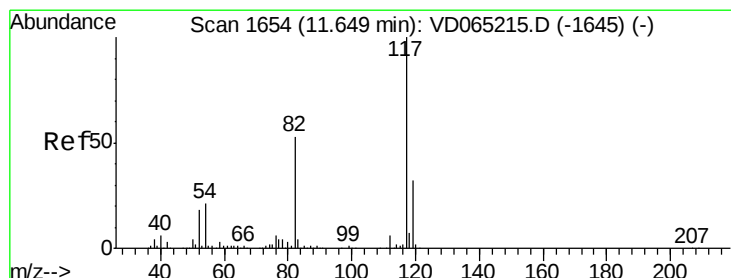
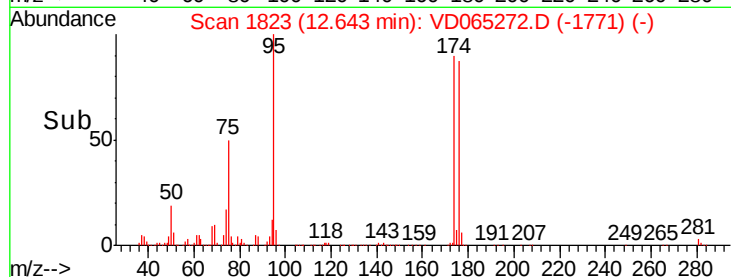
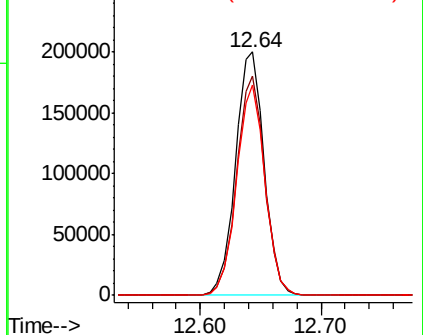
176 85.5 0.0 174.4



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: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

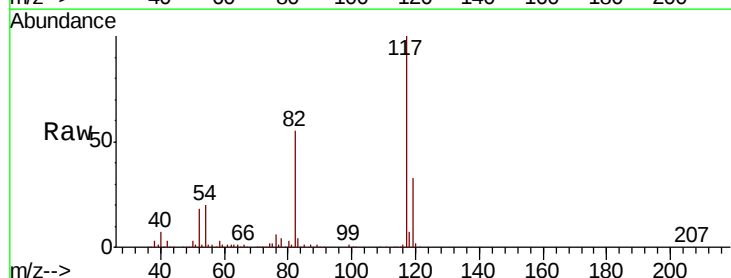
Tgt Ion: 117 Resp: 819744

Ion Ratio Lower Upper

117 100

82 54.7 42.7 64.1

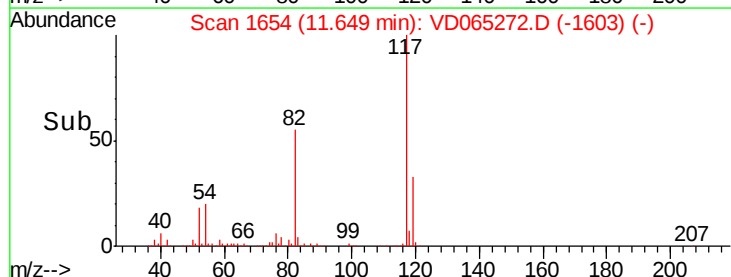
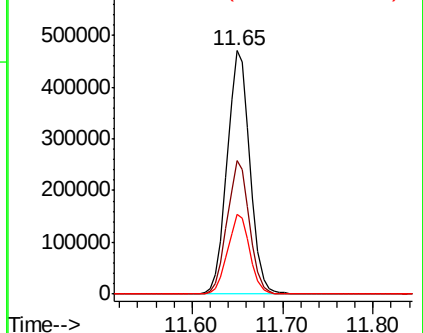
119 32.6 25.5 38.3

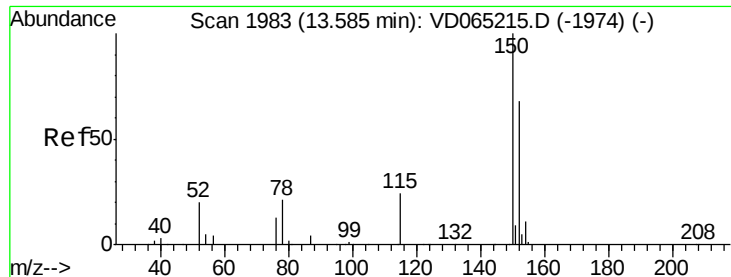


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065272.D

Acq: 21 Feb 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

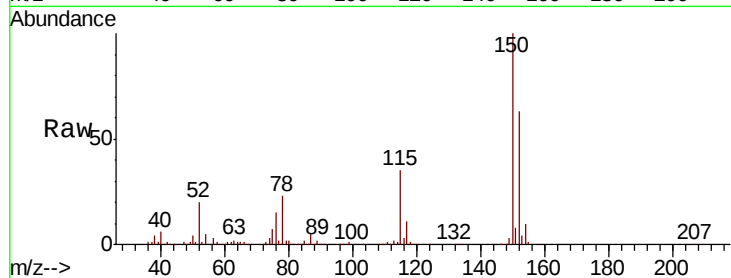
Tot Ion:152 Resp: 363411

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.8

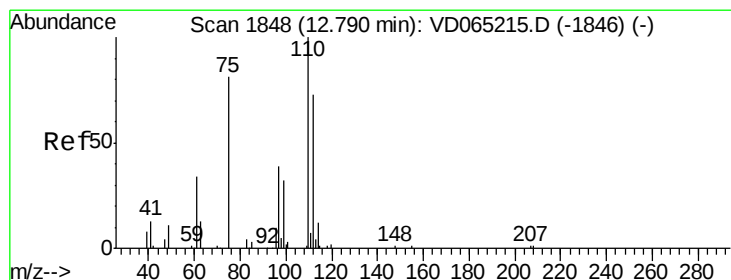
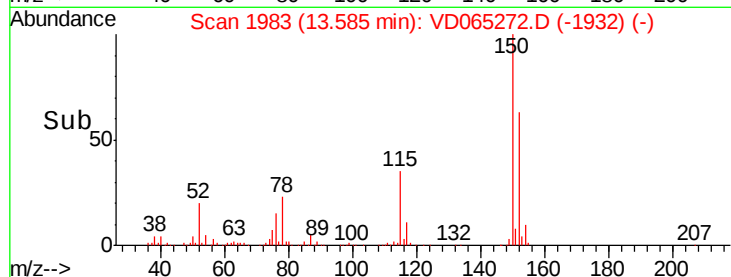
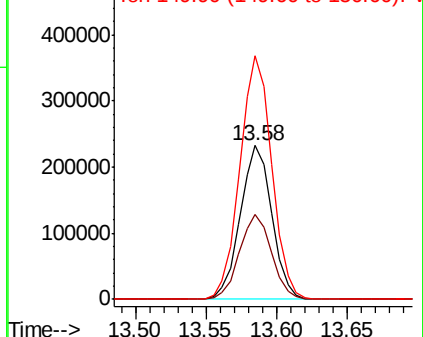
150 159.7 0.0 347.4



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



#76

1,2,3-Trichloropropane

Concen: 53.336 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065272.D

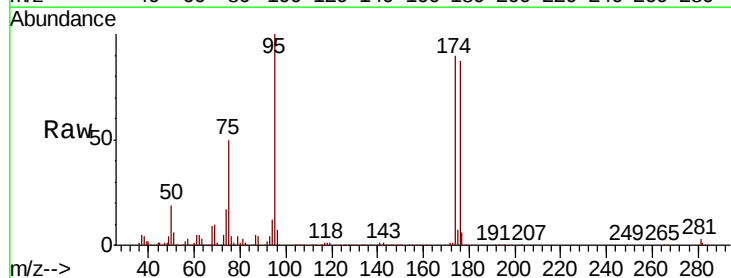
Acq: 21 Feb 2020 13:42

Tgt Ion: 75 Resp: 164914

Ion Ratio Lower Upper

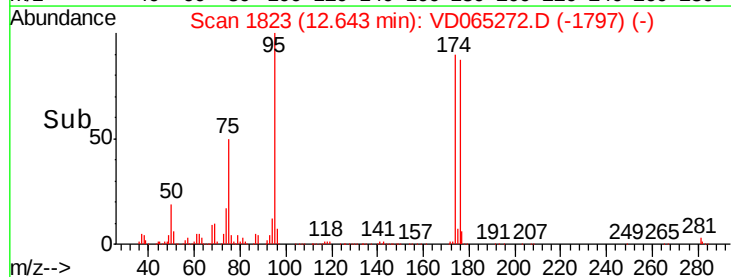
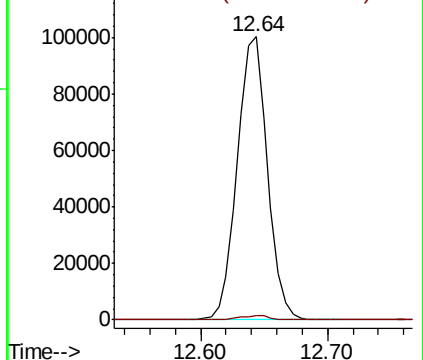
75 100

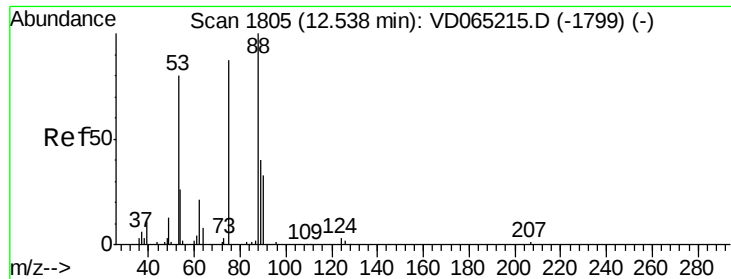
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 115.161 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065272.D

Acq: 21 Feb 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

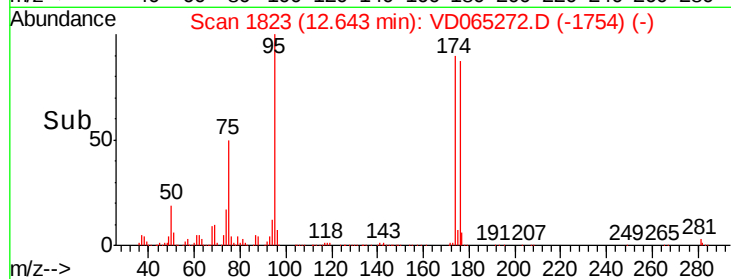
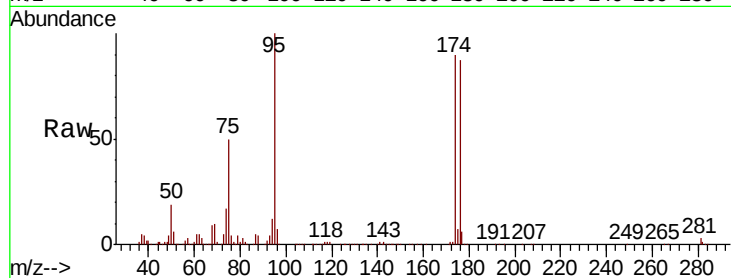
Tot Ion: 75 Resp: 164914

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#



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

