

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067201.D
 Acq On : 08 Oct 2020 18:16
 Operator : VA/SY
 Sample : L4313-02
 Misc : 6.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-1

Quant Time: Oct 09 03:06:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	378769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	558703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267278	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	183206	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	7.92	113	191296	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
50) Toluene-d8	10.34	98	711647	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.64	95	234193	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

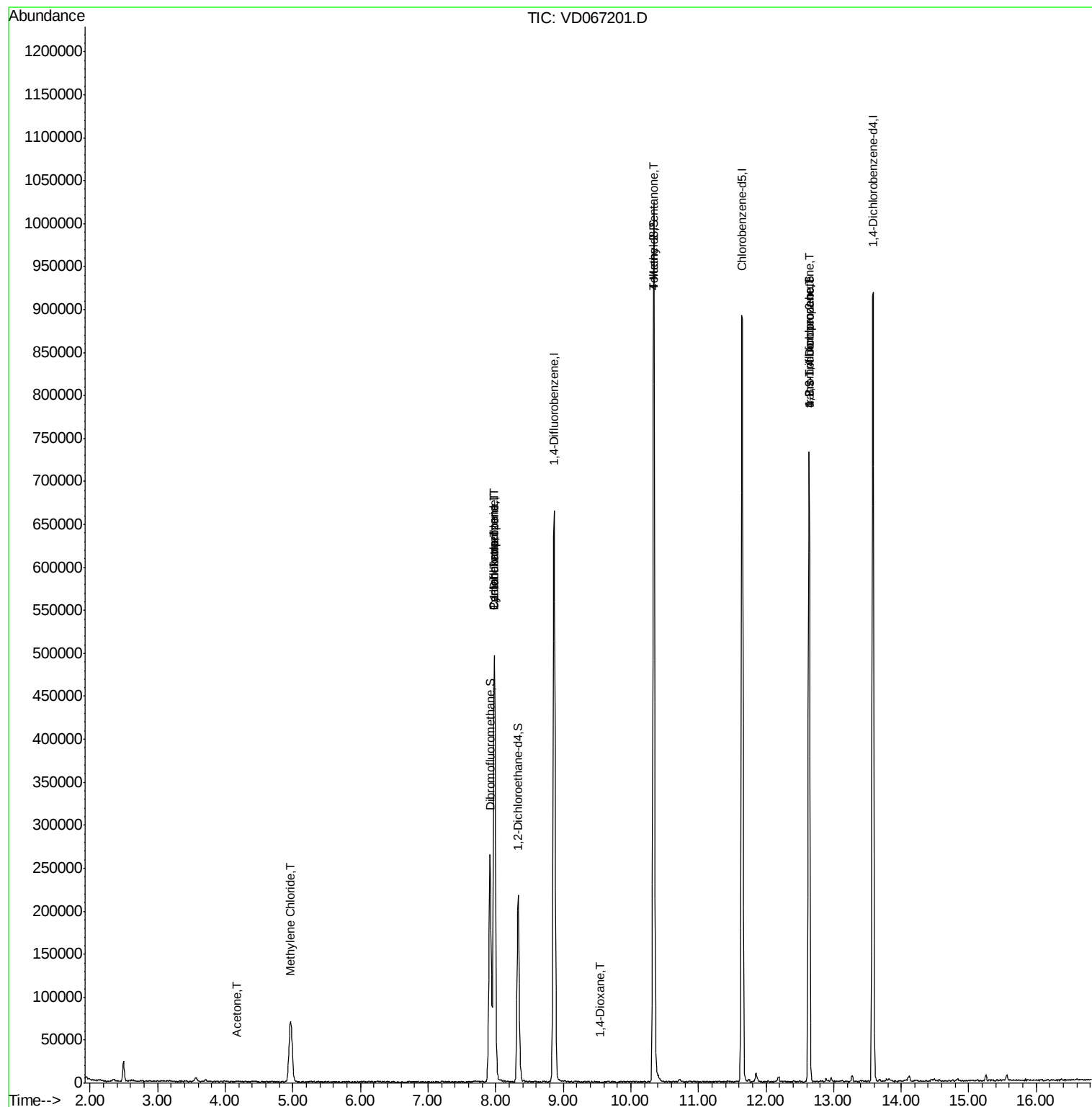
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	126	Below Cal	#	40
16) Acetone	4.17	43	1017	1.826	ug/l #	42
20) Methylene Chloride	4.97	84	61946	9.830	ug/l	96
31) Cyclohexane	7.98	56	6961	1.270	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	26051	4.602	ug/l #	52
38) Carbon Tetrachloride	7.98	117	39178	6.396	ug/l #	14
49) 1,4-Dioxane	9.54	88	58	2.617	ug/l #	25
51) 4-Methyl-2-Pentanone	10.34	43	2923	1.624	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	119320	51.253	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	119320	127.779	ug/l #	12

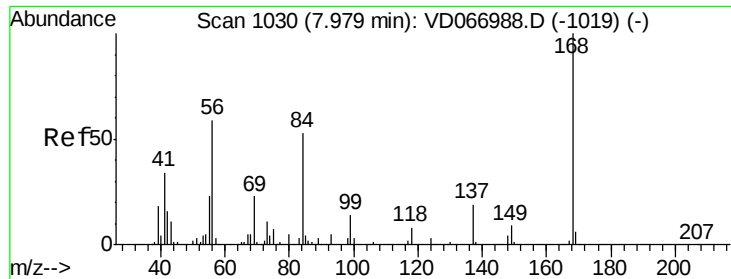
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100820\
Data File : VD067201.D
Acq On : 08 Oct 2020 18:16
Operator : VA/SY
Sample : L4313-02
Misc : 6.30G/5.00ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
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TR-1

Quant Time: Oct 09 03:06:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

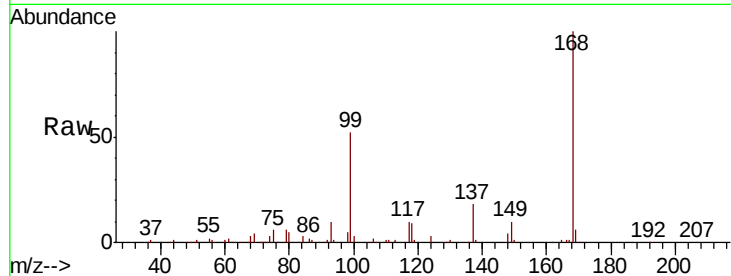
TR-1

Tot Ion:168 Resp: 378769

Ion Ratio Lower Upper

168 100

99 52.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

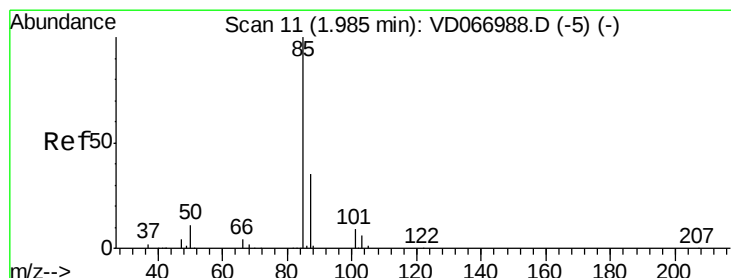
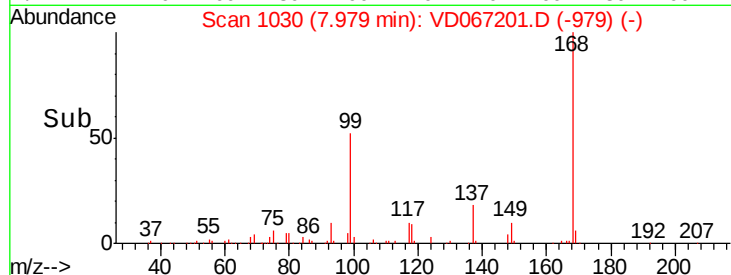
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067201.D

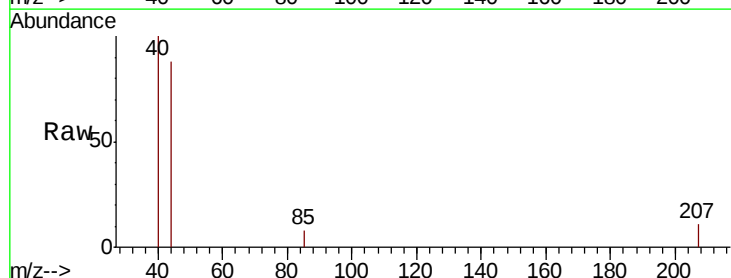
Acq: 08 Oct 2020 18:16

Tgt Ion: 85 Resp: 126

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200

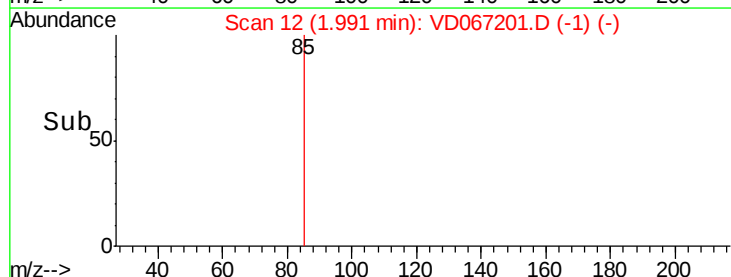
150

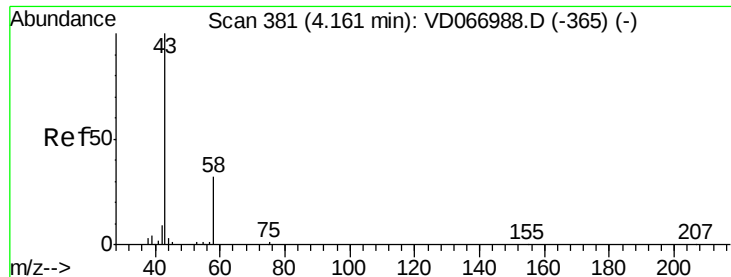
100

50

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Time-->





#16

Acetone

Concen: 1.826 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

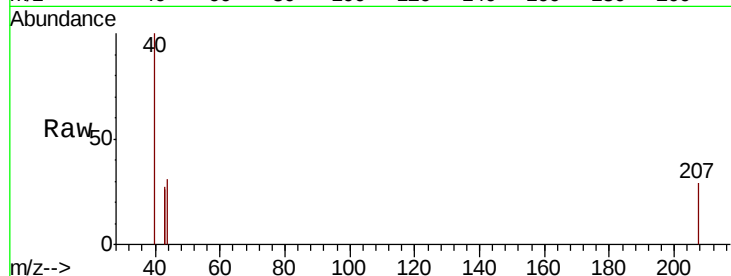
TR-1

Tot Ion: 43 Resp: 1017

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

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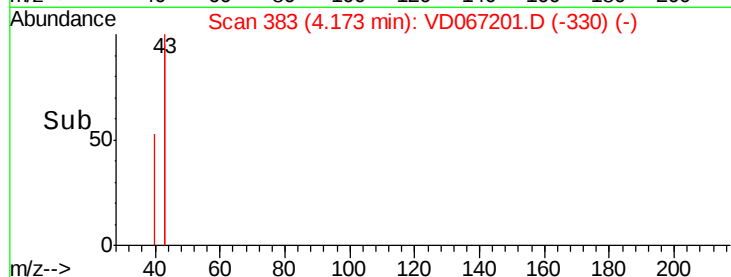
4.17

4.17

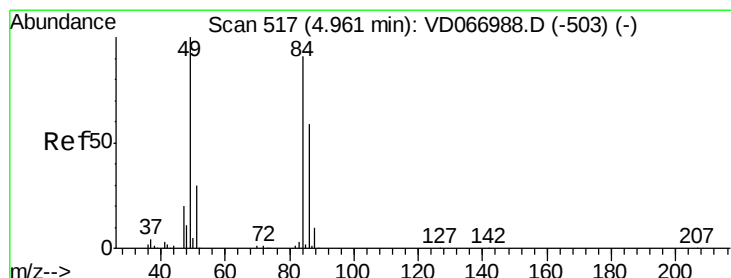
4.17

4.17

4.17



Time-->



#20

Methylene Chloride

Concen: 9.830 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

Tgt Ion: 84 Resp: 61946

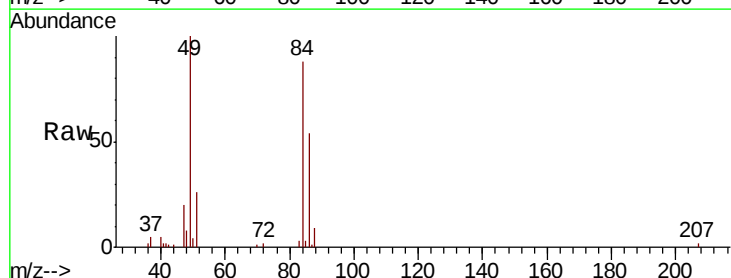
Ion Ratio Lower Upper

84 100

49 113.0 88.2 132.2

51 29.1 26.6 39.8

86 60.8 52.1 78.1



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

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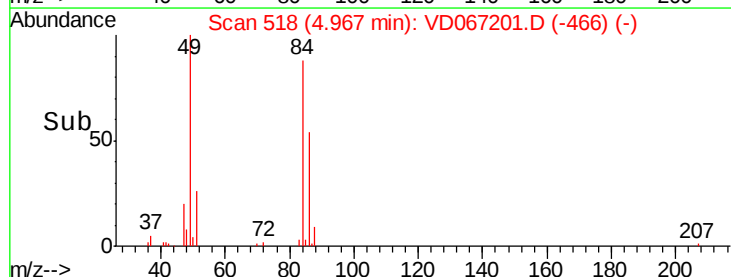
4.97

4.97

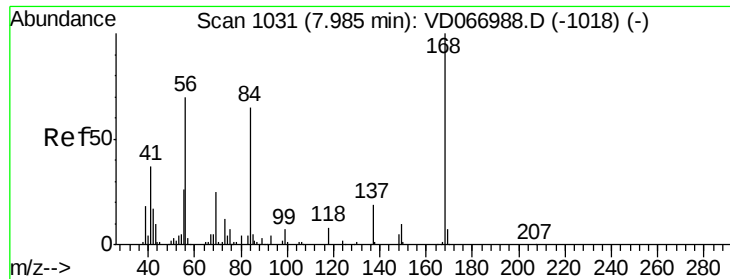
4.97

4.97

4.97



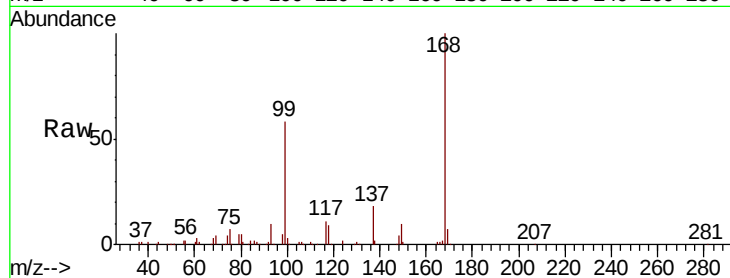
Time-->



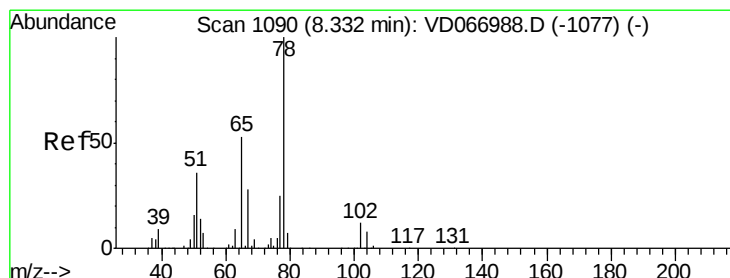
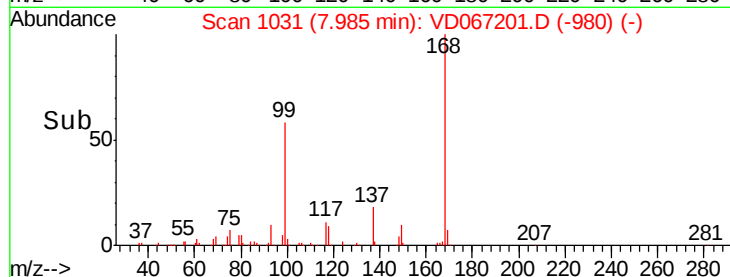
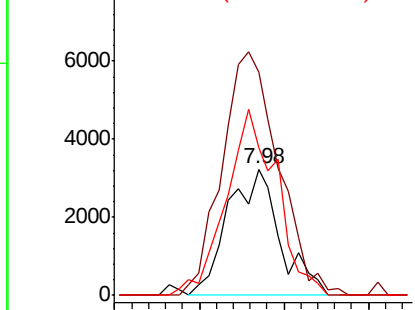
#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067201.D
Acq: 08 Oct 2020 18:16

Instrument :
MSVOA_D
ClientSampled :
TR-1

Tot Ion: 56 Resp: 6961
Ion Ratio Lower Upper
56 100
69 171.1 29.0 43.6#
84 116.9 74.2 111.2#

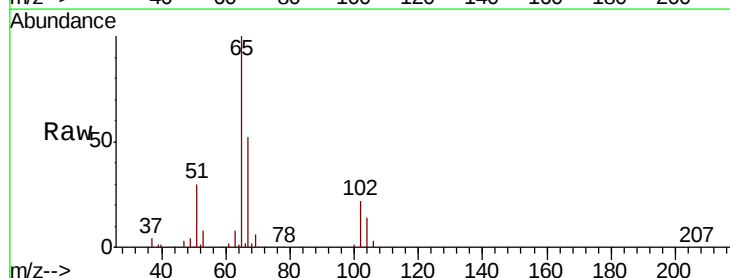


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

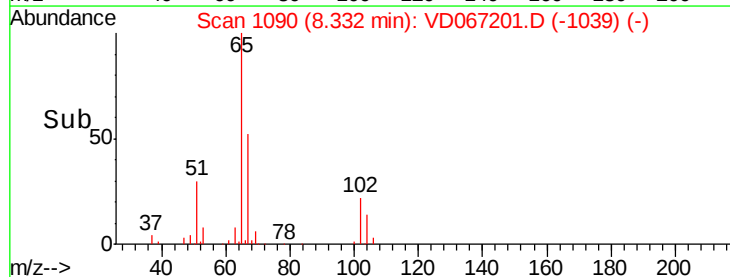
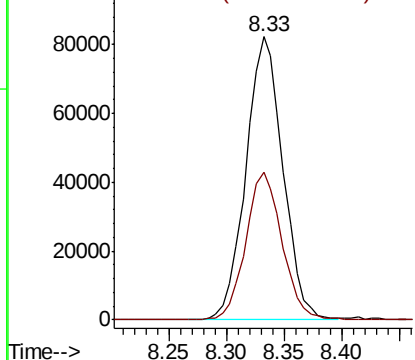


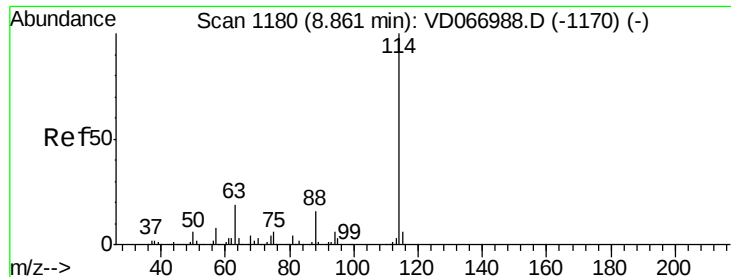
#33
1,2-Dichloroethane-d4
Concen: 50.217 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067201.D
Acq: 08 Oct 2020 18:16

Tgt Ion: 65 Resp: 183206
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.8



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

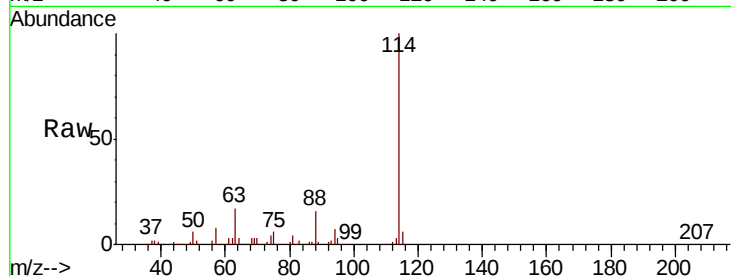




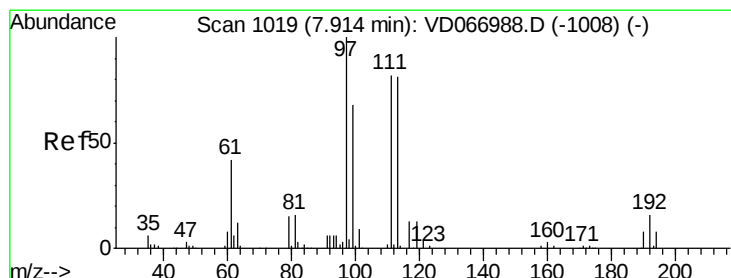
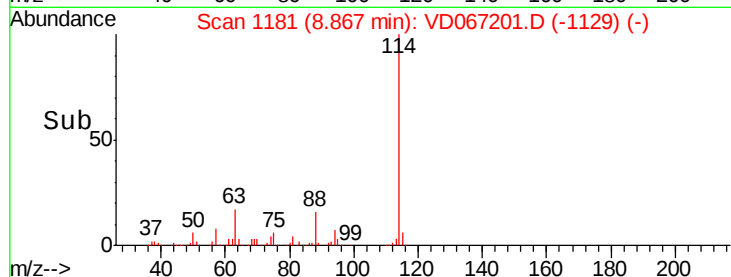
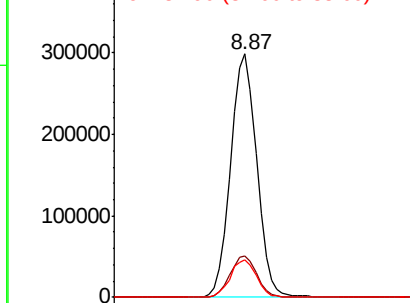
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067201.D
 Acq: 08 Oct 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-1

Tot Ion:114 Resp: 607354
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 38.4
 88 15.6 0.0 31.2

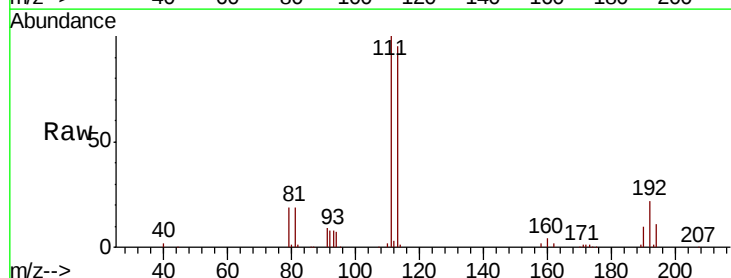


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

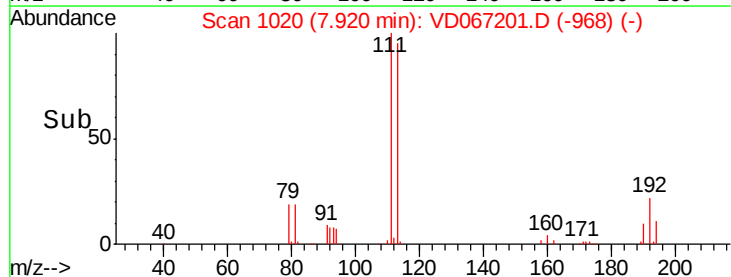
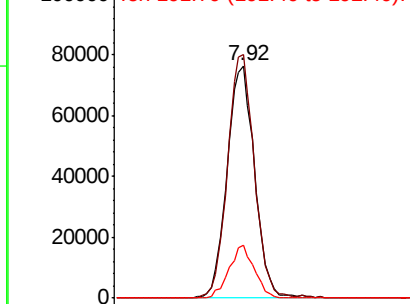


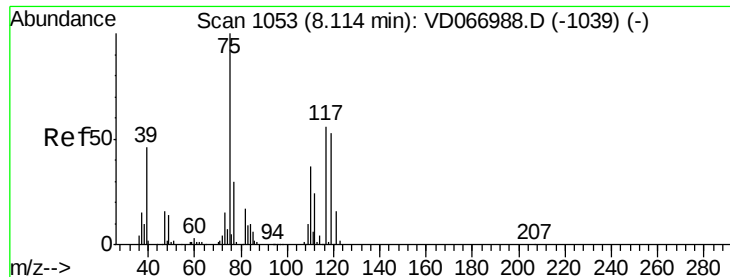
#35
 Dibromofluoromethane
 Concen: 48.110 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067201.D
 Acq: 08 Oct 2020 18:16

Tgt Ion:113 Resp: 191296
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.0 124.4
 192 20.8 15.5 23.3



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: 4.602 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

TR-1

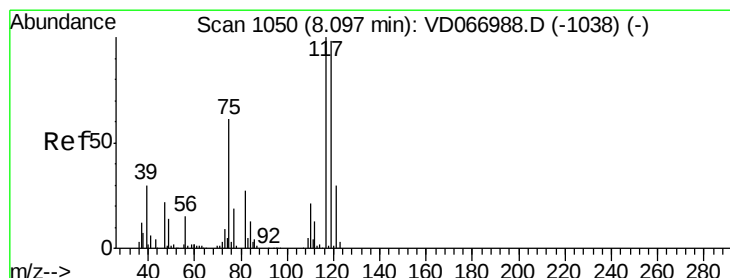
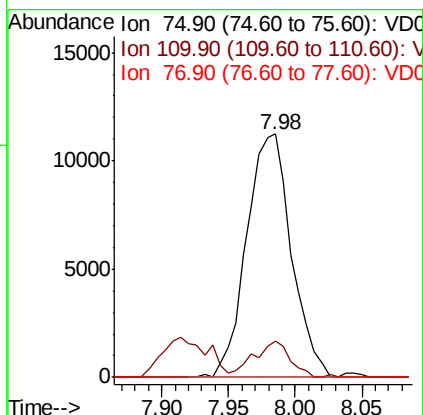
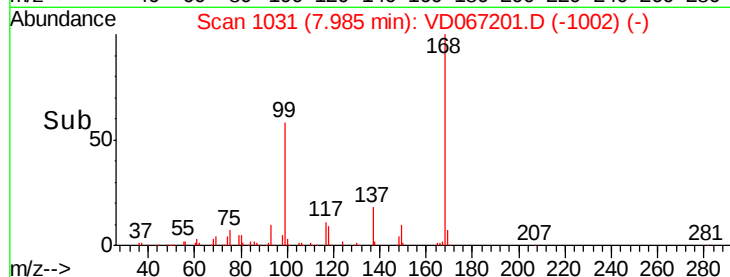
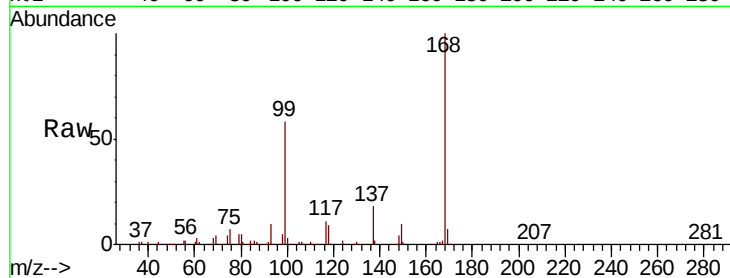
Tot Ion: 75 Resp: 26051

Ion Ratio Lower Upper

75 100

110 12.1 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.396 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

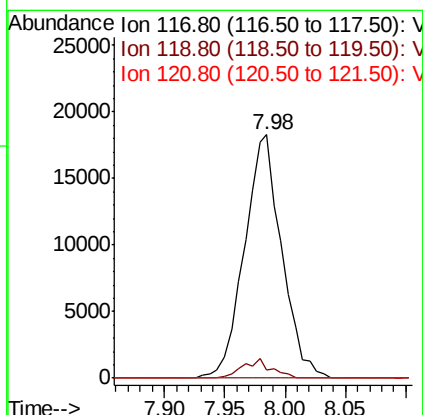
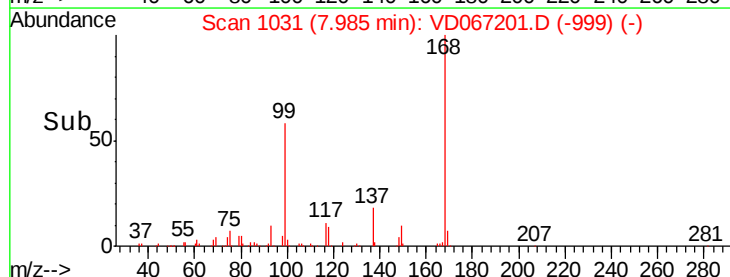
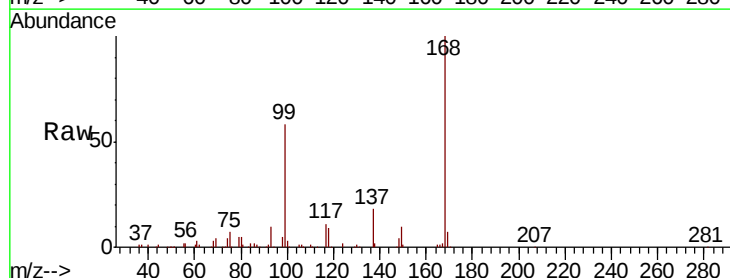
Tgt Ion: 117 Resp: 39178

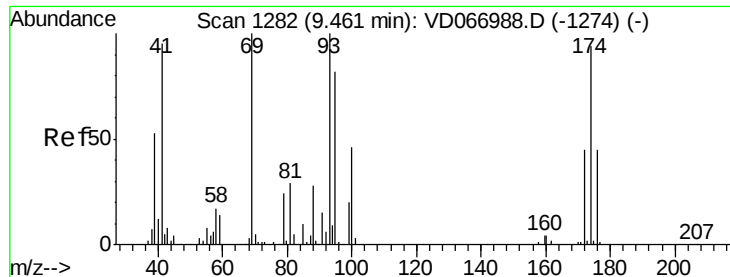
Ion Ratio Lower Upper

117 100

119 3.5 78.7 118.1#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 2.617 ug/l

RT: 9.54 min Scan# 1295

Delta R.T. 0.08 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

TR-1

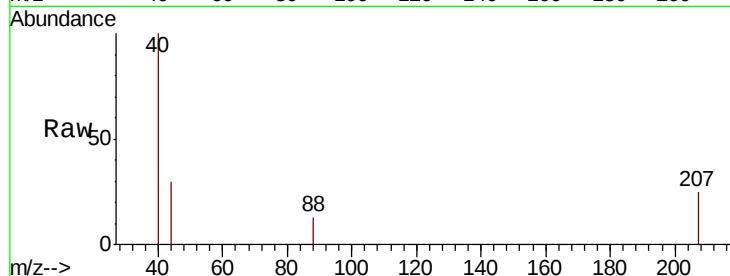
Tot Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

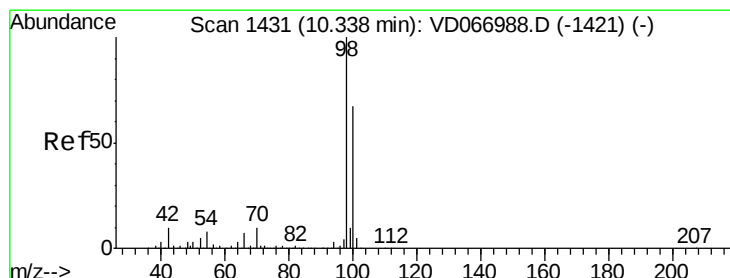
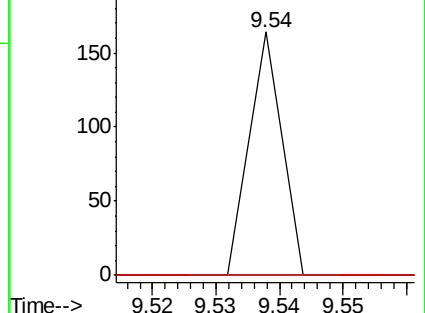
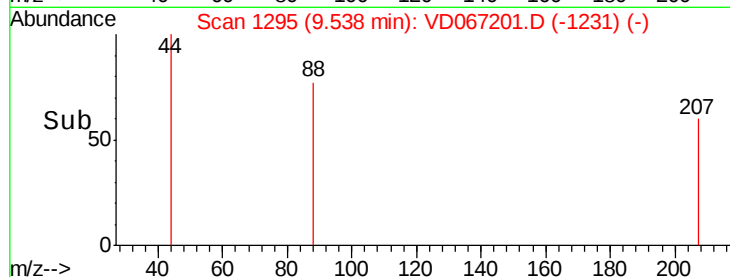
58 0.0 53.5 80.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.117 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067201.D

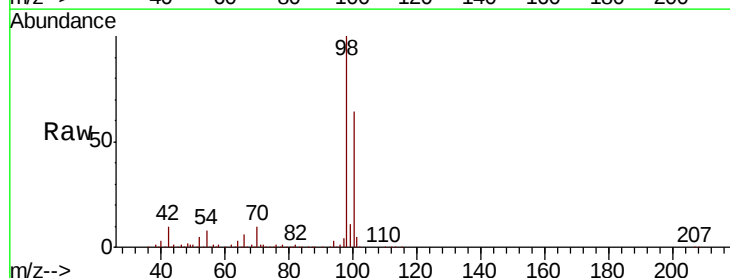
Acq: 08 Oct 2020 18:16

Tgt Ion: 98 Resp: 711647

Ion Ratio Lower Upper

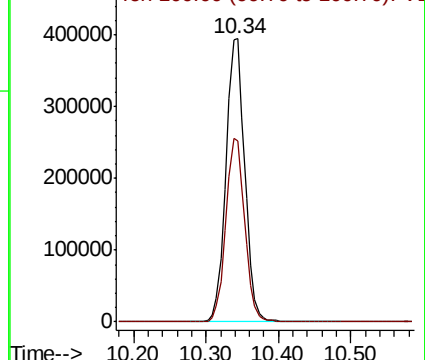
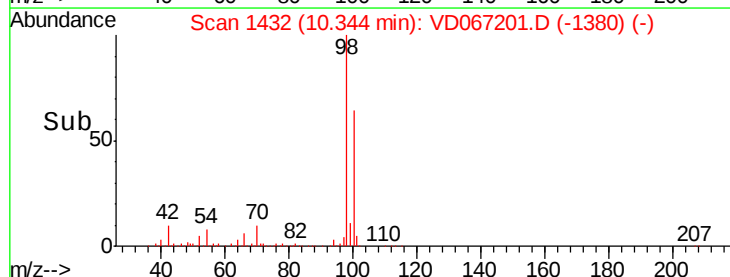
98 100

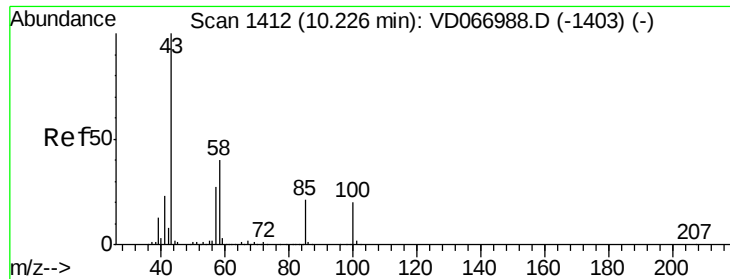
100 64.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.624 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.12 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

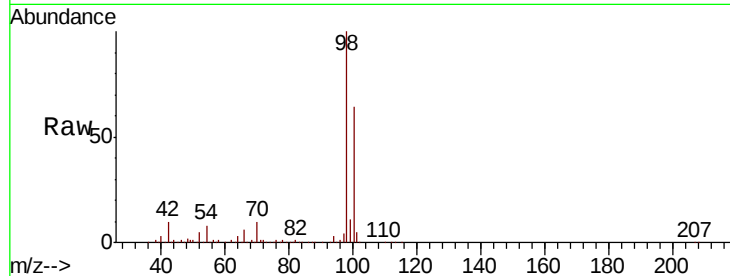
TR-1

Tot Ion: 43 Resp: 2923

Ion Ratio Lower Upper

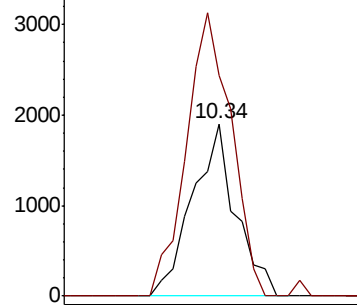
43 100

58 170.5 33.8 50.8#

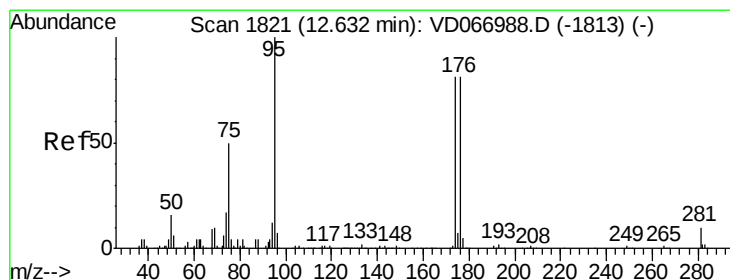
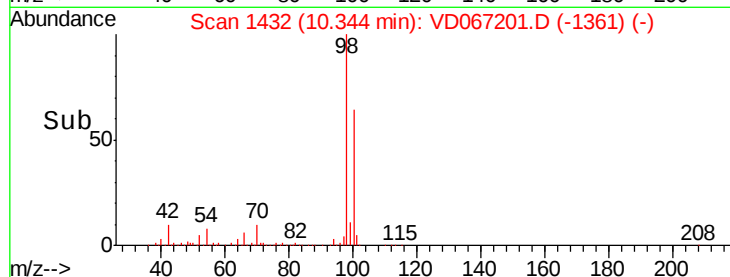


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 47.613 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

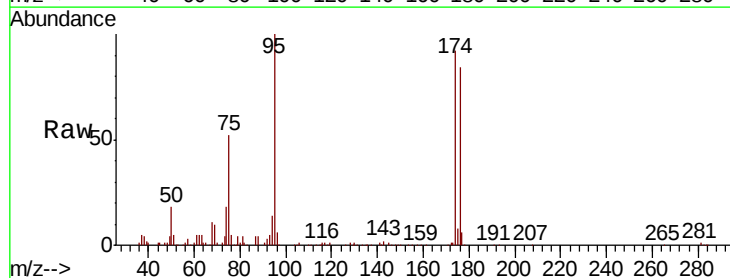
Tgt Ion: 95 Resp: 234193

Ion Ratio Lower Upper

95 100

174 88.2 0.0 167.6

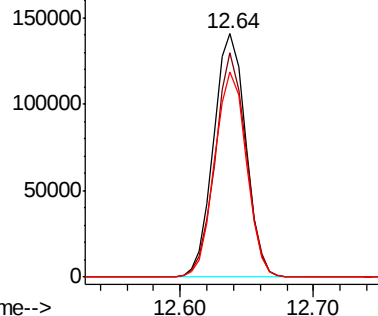
176 83.3 0.0 162.4



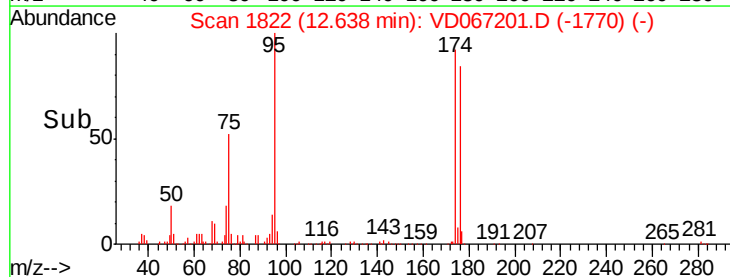
Abundance Ion 94.90 (94.60 to 95.60): VDC

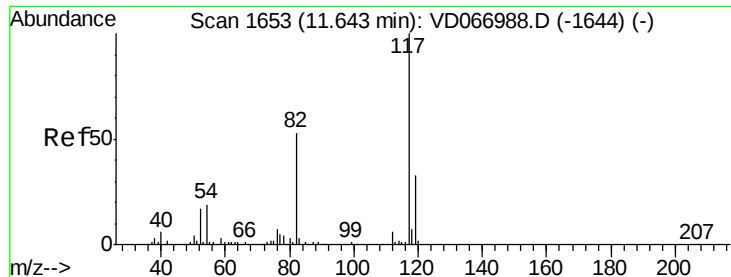
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

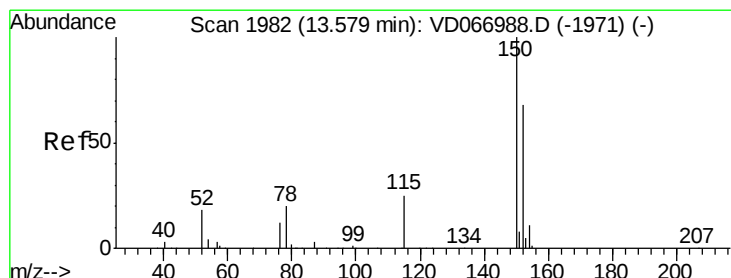
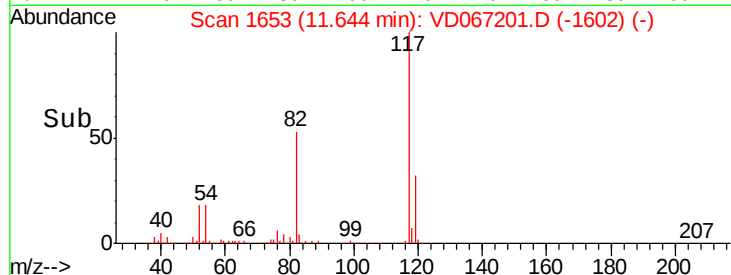
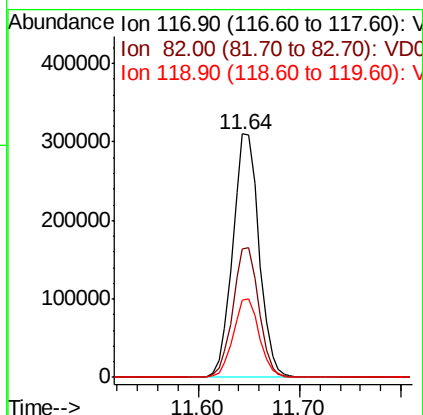
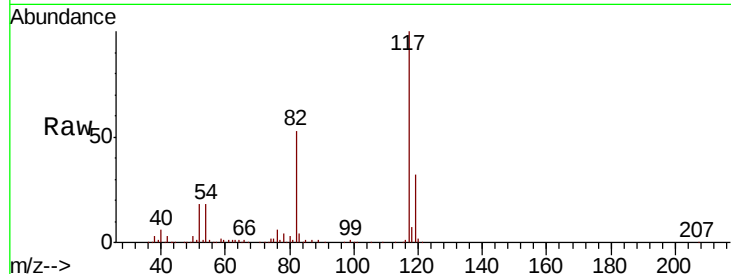




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067201.D
Acq: 08 Oct 2020 18:16

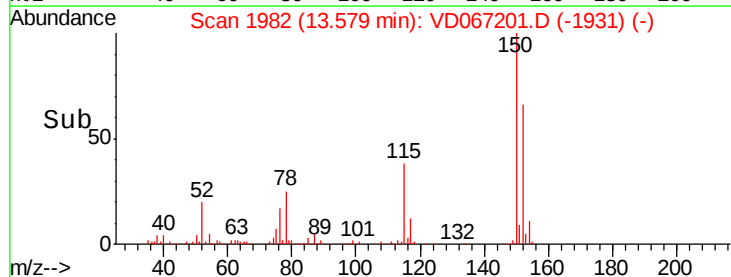
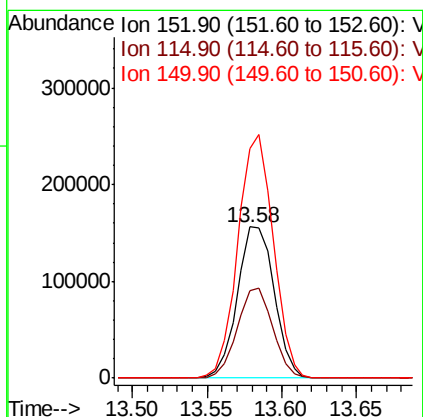
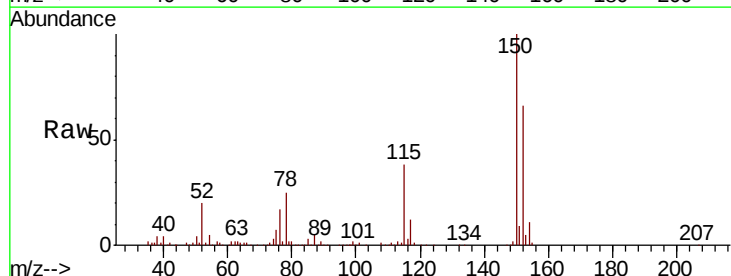
Instrument :
MSVOA_D
ClientSampleId :
TR-1

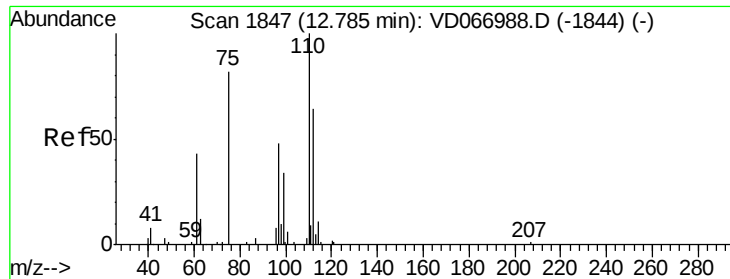
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	63.8
119	31.6	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067201.D
Acq: 08 Oct 2020 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.6	88.8
150	155.3	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 51.253 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

Instrument :

MSVOA_D

ClientSampled :

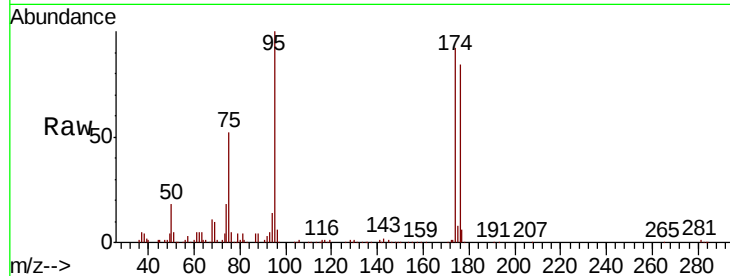
TR-1

Tot Ion: 75 Resp: 119320

Ion Ratio Lower Upper

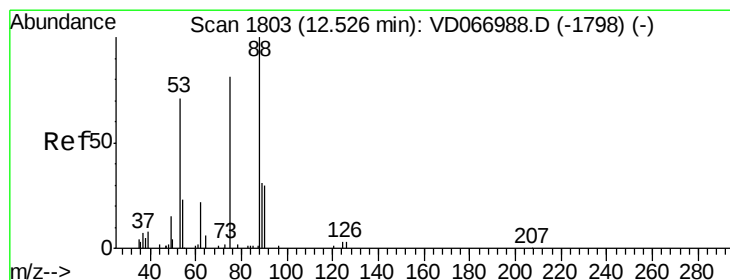
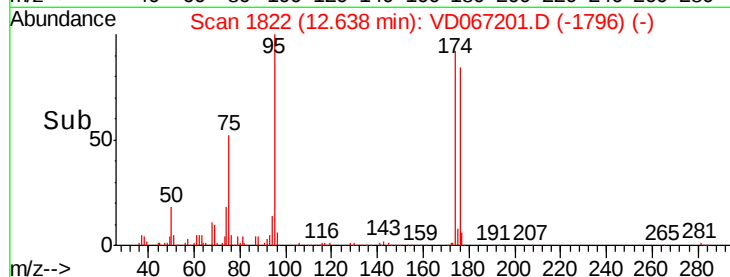
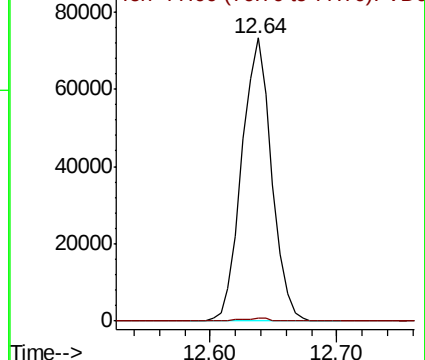
75 100

77 1.1 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: 127.779 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067201.D

Acq: 08 Oct 2020 18:16

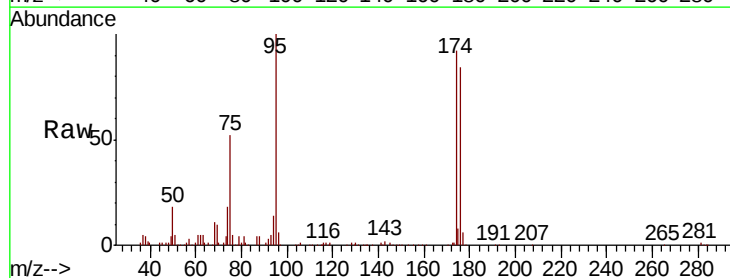
Tgt Ion: 75 Resp: 119320

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#



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

