

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066402.D
 Acq On : 25 Aug 2020 15:10
 Operator : VA/SY
 Sample : L3784-04
 Misc : 5.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-11

Quant Time: Aug 26 08:04:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	241814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	363591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	337884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	126982	53.56	ug/l	0.00
Spiked Amount						
				Recovery	=	107.12%
35) Dibromofluoromethane	7.91	113	118024	51.91	ug/l	0.00
Spiked Amount						
				Recovery	=	103.82%
50) Toluene-d8	10.33	98	427641	51.41	ug/l	0.00
Spiked Amount						
				Recovery	=	102.82%
62) 4-Bromofluorobenzene	12.63	95	148636	50.35	ug/l	0.00
Spiked Amount						
				Recovery	=	100.70%

Target Compounds

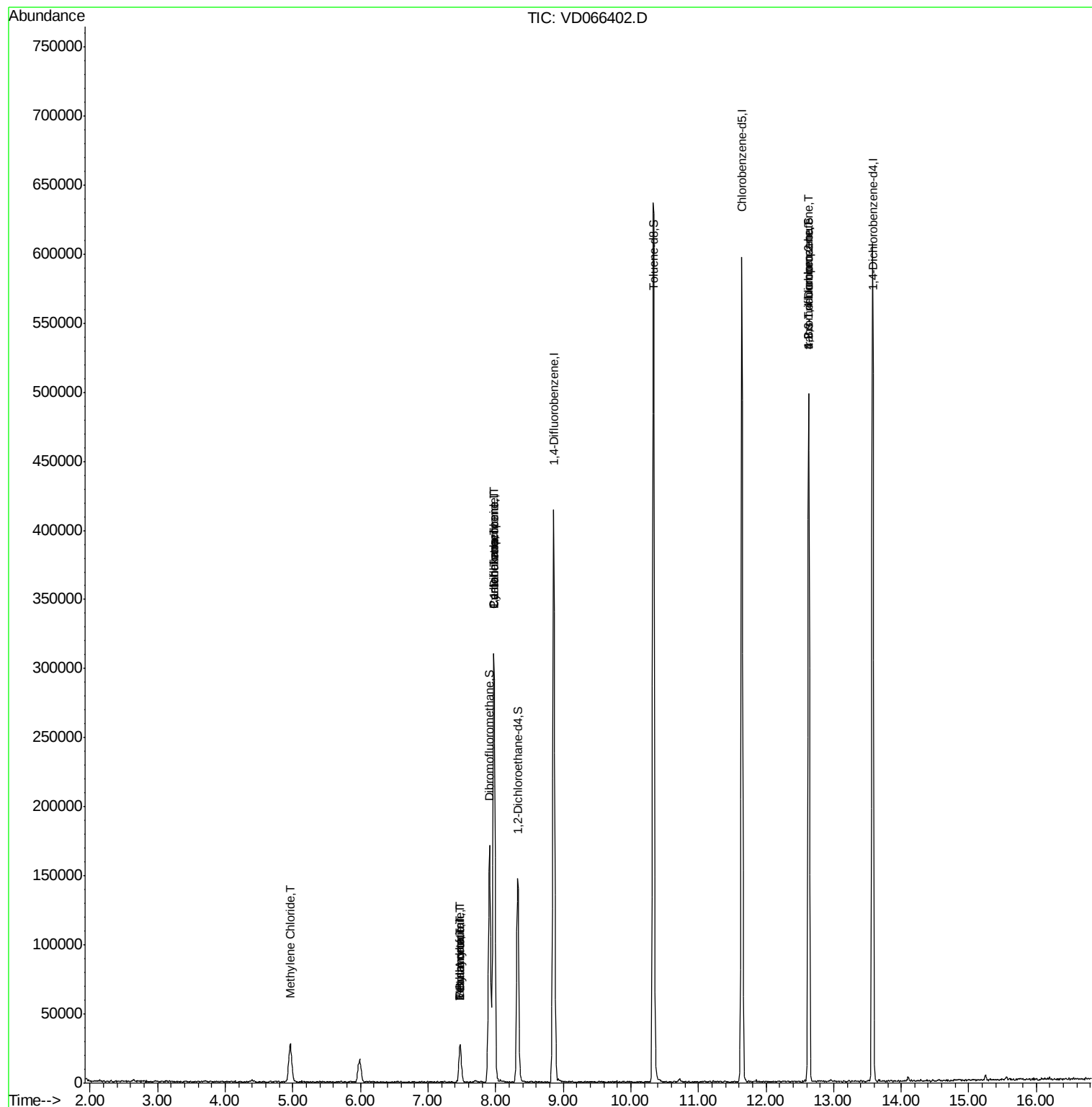
					Qvalue	
11) Tert butyl alcohol	5.21	59	133	Below Cal	#	71
20) Methylene Chloride	4.96	84	21618	3.587	ug/l #	92
25) 2-Butanone	7.47	43	17855	36.798	ug/l #	47
29) Tetrahydrofuran	7.47	42	1978	7.177	ug/l #	28
31) Cyclohexane	7.97	56	5357	1.627	ug/l #	51
36) 1,1-Dichloropropene	7.98	75	16718	5.039	ug/l #	51
37) Ethyl Acetate	7.47	43	20912	18.533	ug/l #	67
38) Carbon Tetrachloride	7.97	117	23350	5.402	ug/l #	16
41) Methacrylonitrile	7.47	41	14597	20.978	ug/l #	85
76) 1,2,3-Trichloropropane	12.63	75	80480	67.109	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	80480	142.451	ug/l #	6

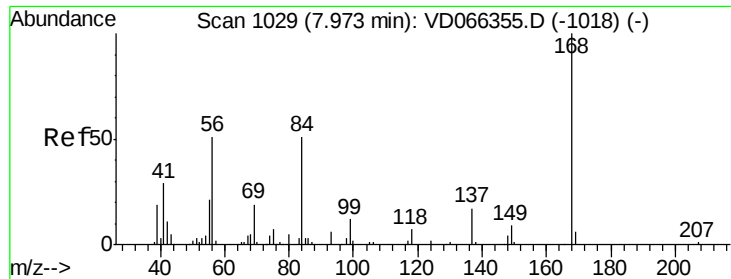
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082520\
Data File : VD066402.D
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Misc : 5.84G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
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RO-11

Quant Time: Aug 26 08:04:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066402.D

Acq: 25 Aug 2020 15:10

Instrument :

MSVOA_D

ClientSampled :

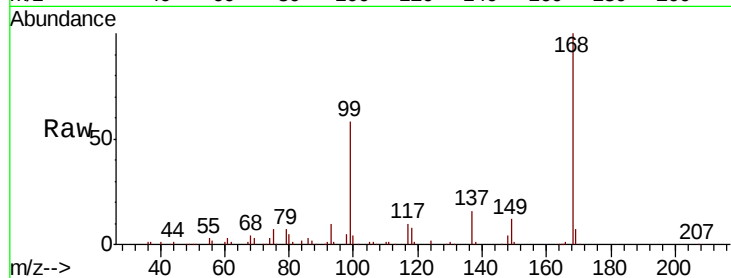
RO-11

Tot Ion:168 Resp: 241814

Ion Ratio Lower Upper

168 100

99 58.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

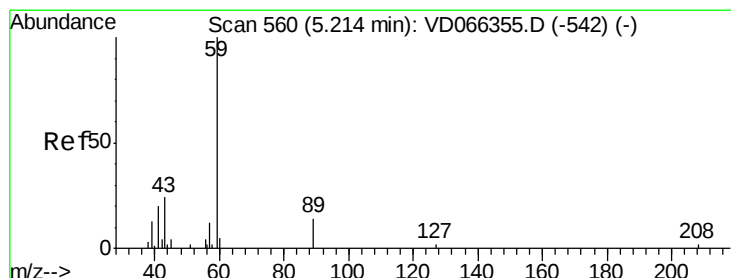
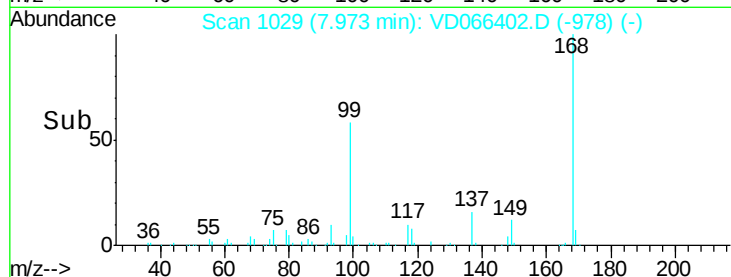
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066402.D

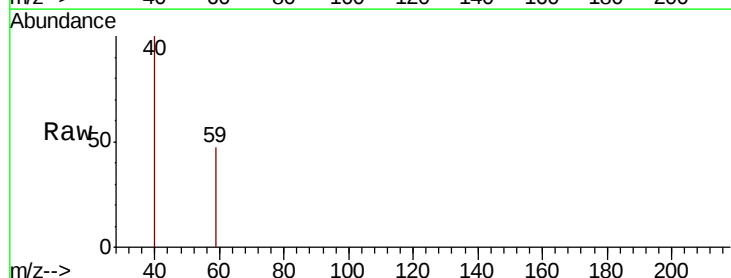
Acq: 25 Aug 2020 15:10

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

200

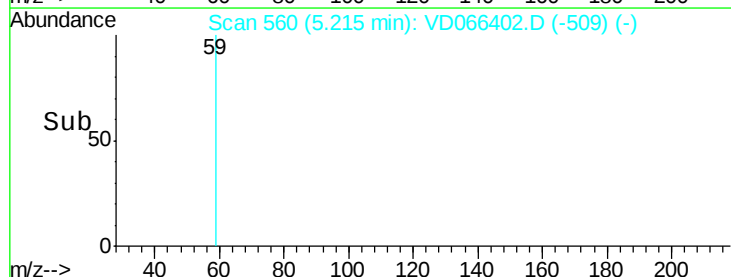
150

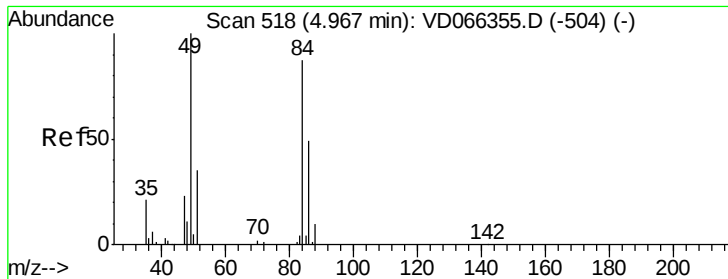
100

50

0

Time--> 5.20 5.22 5.24





#20

Methylene Chloride

Concen: 3.587 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066402.D

Acq: 25 Aug 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

RO-11

Tot Ion: 84 Resp: 21618

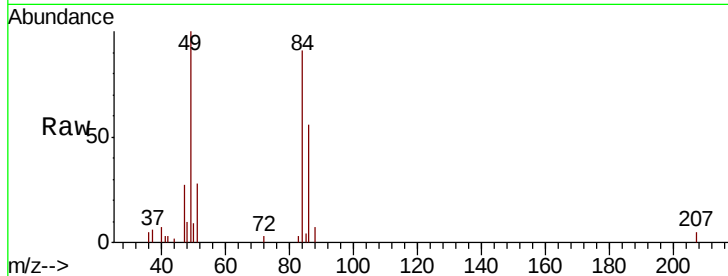
Ion Ratio Lower Upper

84 100

49 109.4 92.5 138.7

51 30.8 32.5 48.7#

86 61.8 45.0 67.6

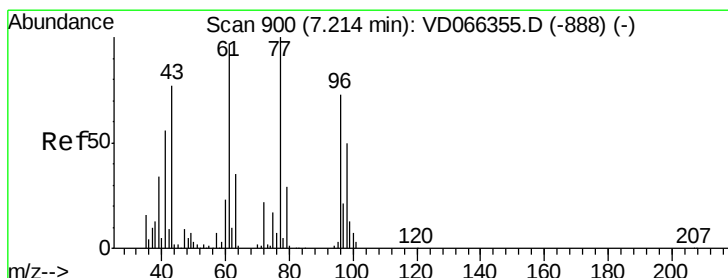
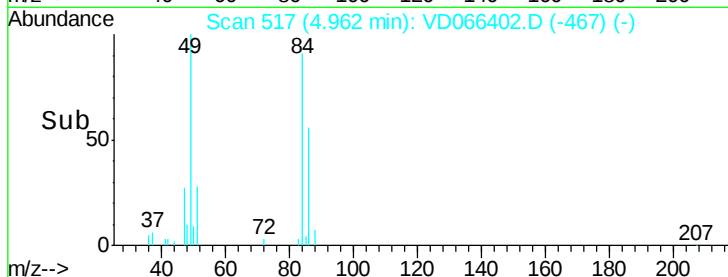
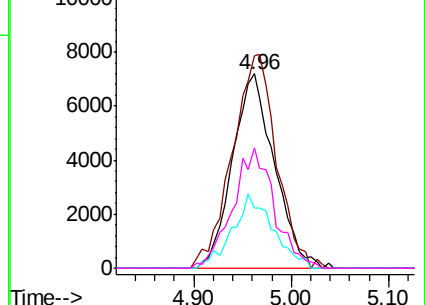


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 36.798 ug/l

RT: 7.47 min Scan# 944

Delta R.T. 0.26 min

Lab File: VD066402.D

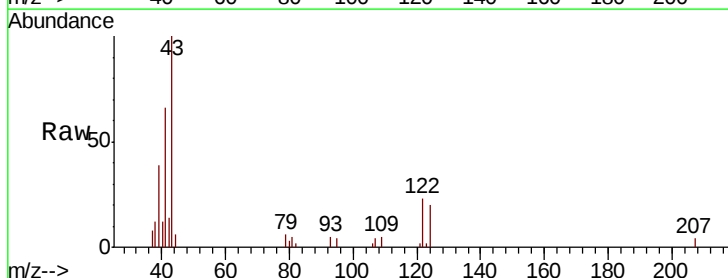
Acq: 25 Aug 2020 15:10

Tgt Ion: 43 Resp: 17855

Ion Ratio Lower Upper

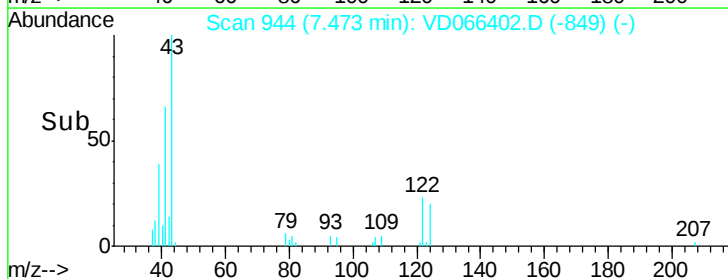
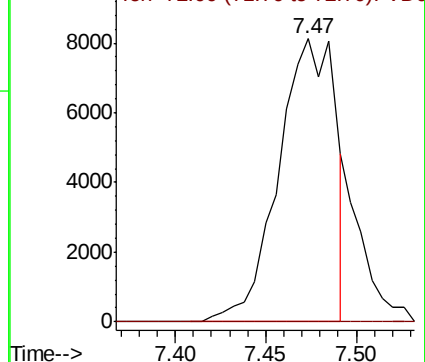
43 100

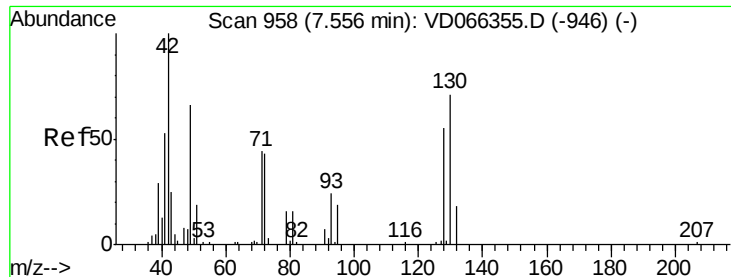
72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

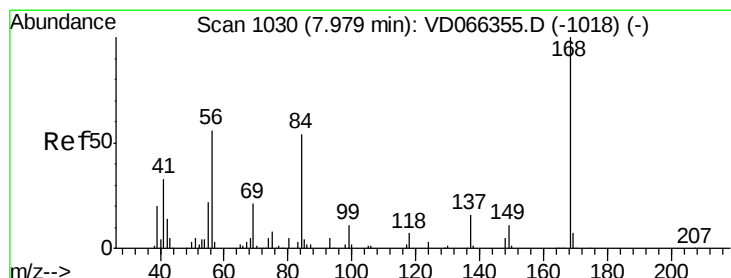
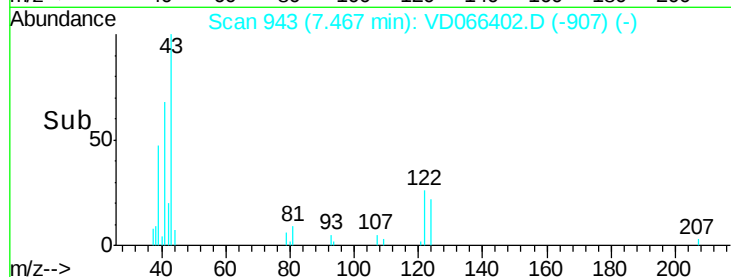
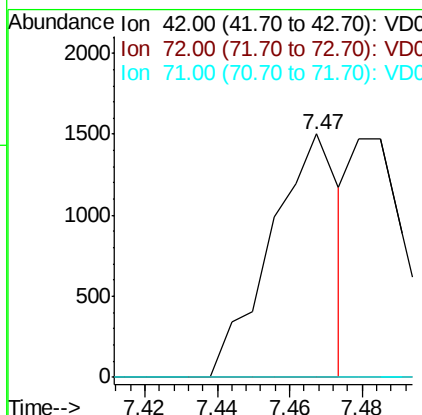
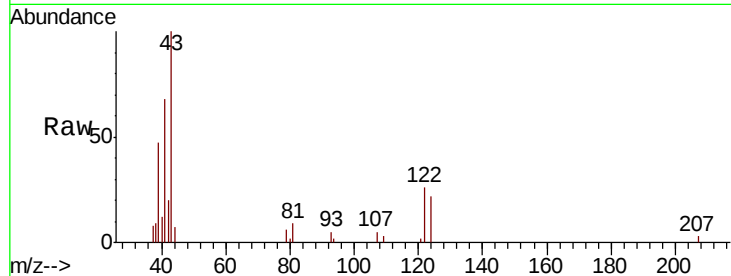




#29
Tetrahydrofuran
Concen: 7.177 ug/l
RT: 7.47 min Scan# 943
Delta R.T. -0.09 min
Lab File: VD066402.D
Acq: 25 Aug 2020 15:10

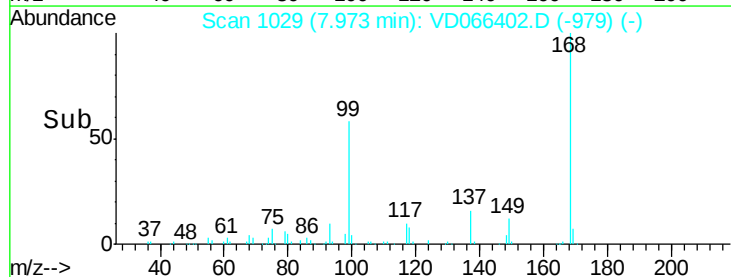
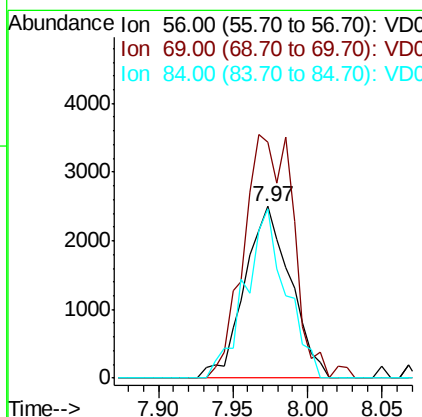
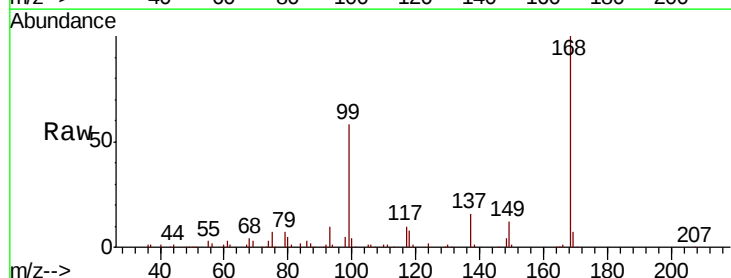
Instrument :
MSVOA_D
ClientSampleId :
RO-11

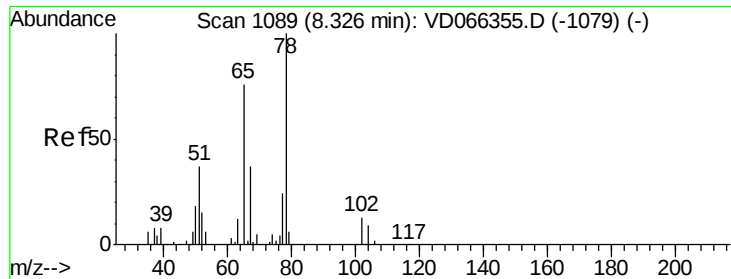
Tot Ion: 42 Resp: 1978
Ion Ratio Lower Upper
42 100
72 0.0 41.0 61.4#
71 0.0 37.2 55.8#



#31
Cyclohexane
Concen: 1.627 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066402.D
Acq: 25 Aug 2020 15:10

Tgt Ion: 56 Resp: 5357
Ion Ratio Lower Upper
56 100
69 137.9 29.6 44.4#
84 98.4 76.6 115.0

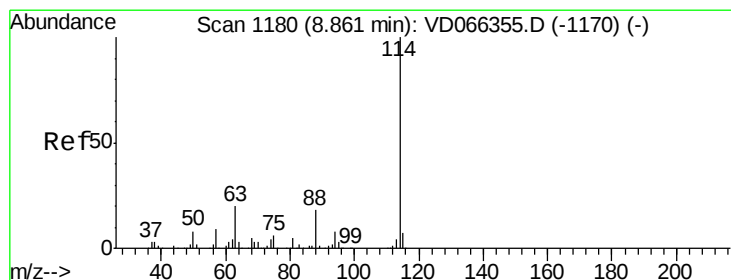
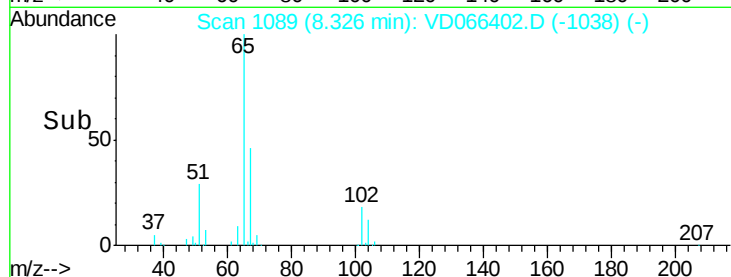
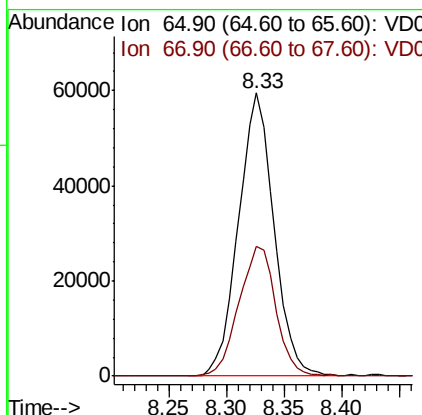
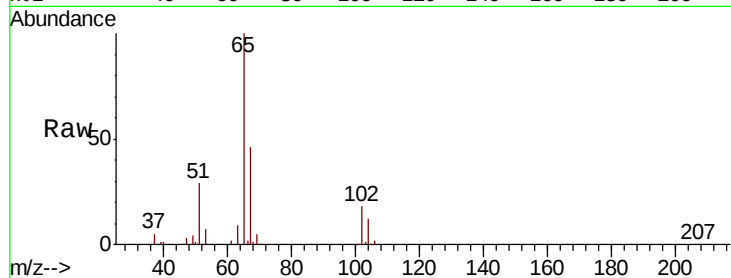




#33
 1,2-Dichloroethane-d4
 Concen: 53.562 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066402.D
 Acq: 25 Aug 2020 15:10

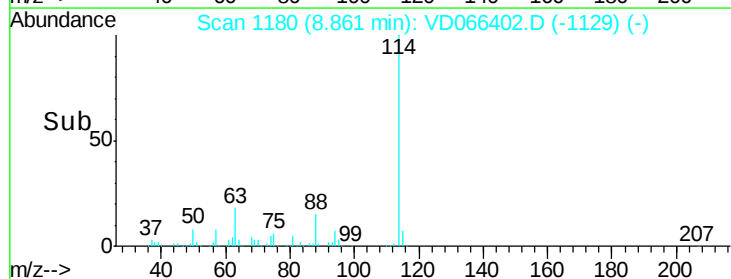
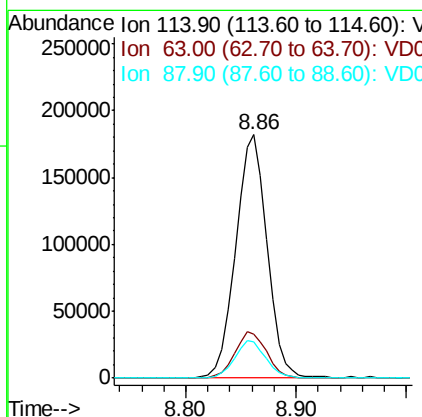
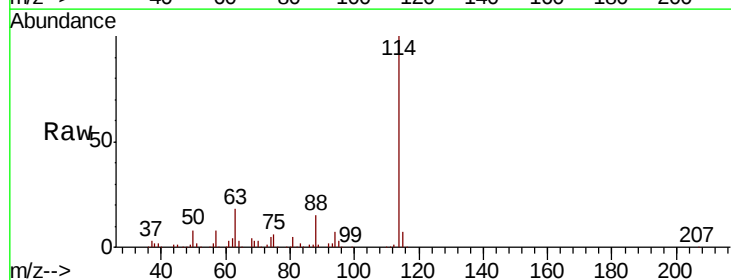
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-11

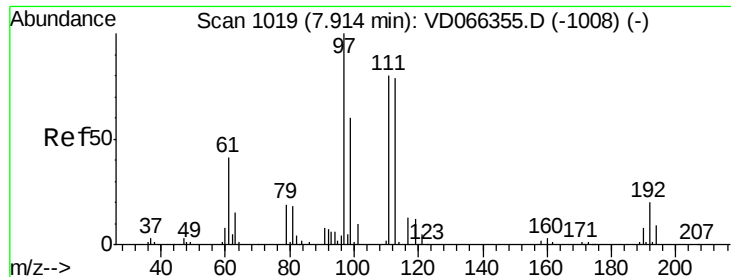
Tot Ion: 65 Resp: 126982
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066402.D
 Acq: 25 Aug 2020 15:10

Tgt Ion: 114 Resp: 363591
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.8
 88 14.7 0.0 35.4

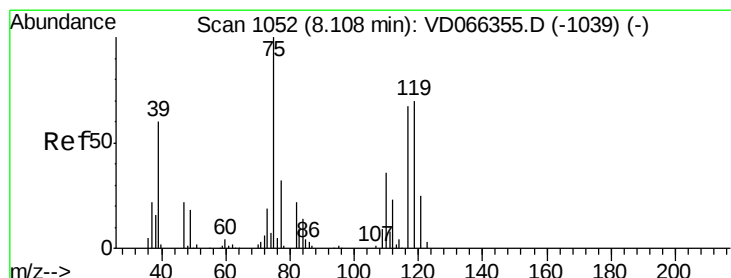
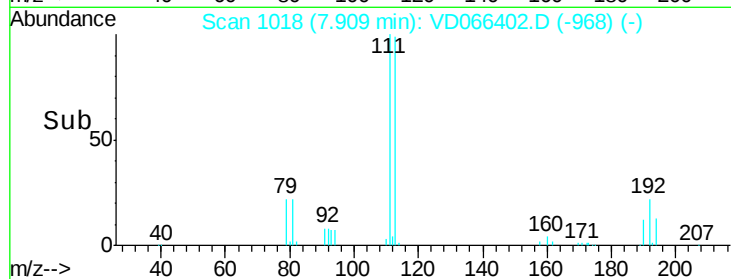
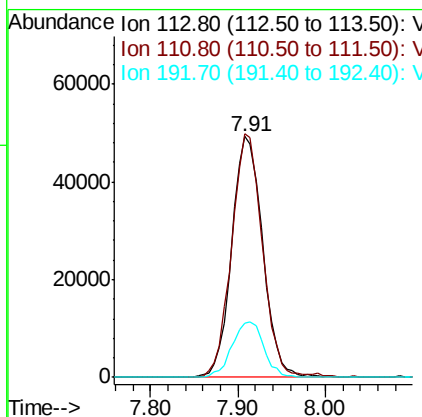
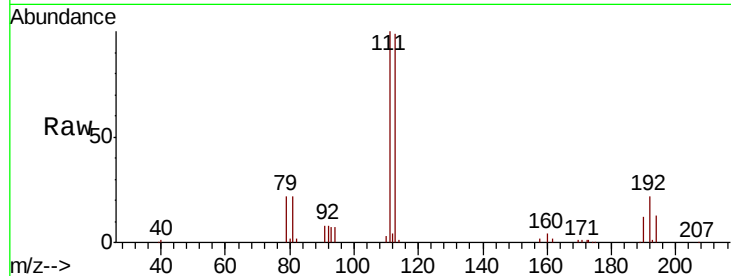




#35
 Dibromofluoromethane
 Concen: 51.911 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066402.D
 Acq: 25 Aug 2020 15:10

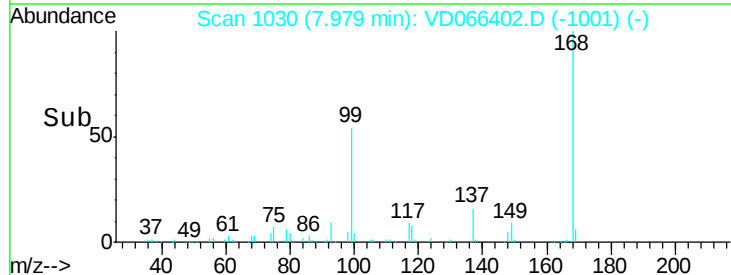
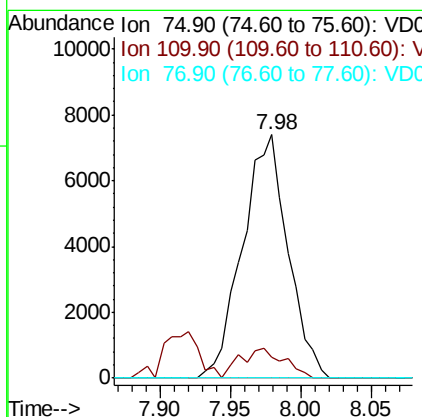
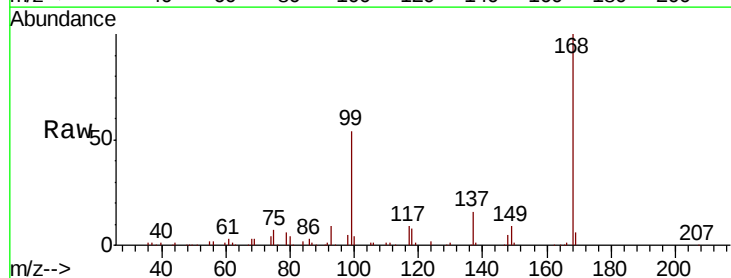
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-11

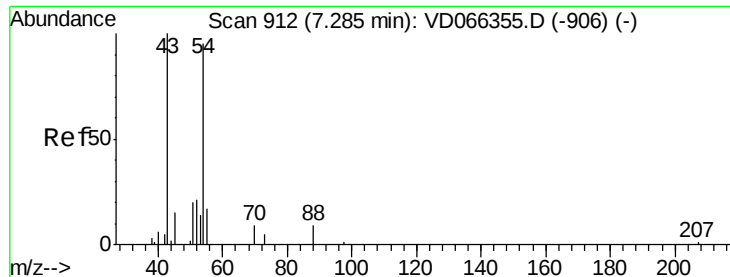
Tot Ion:113 Resp: 118024
 Ion Ratio Lower Upper
 113 100
 111 100.8 80.3 120.5
 192 23.7 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066402.D
 Acq: 25 Aug 2020 15:10

Tgt Ion: 75 Resp: 16718
 Ion Ratio Lower Upper
 75 100
 110 11.7 18.7 56.1#
 77 0.0 25.2 37.8#

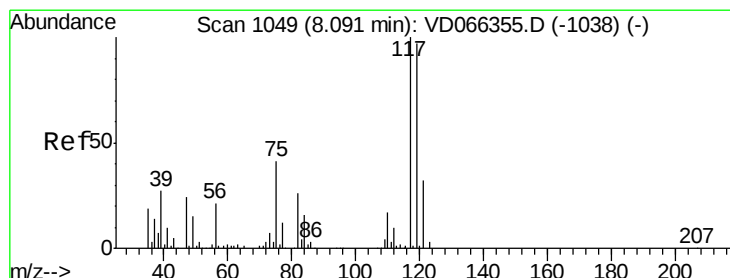
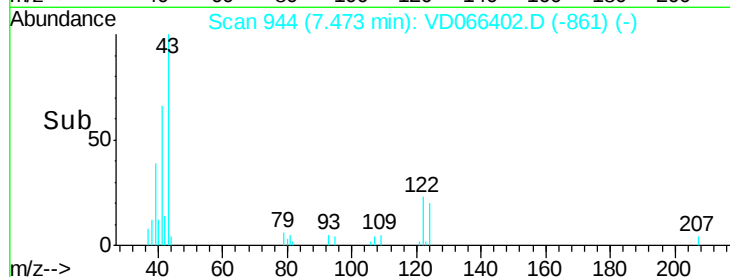
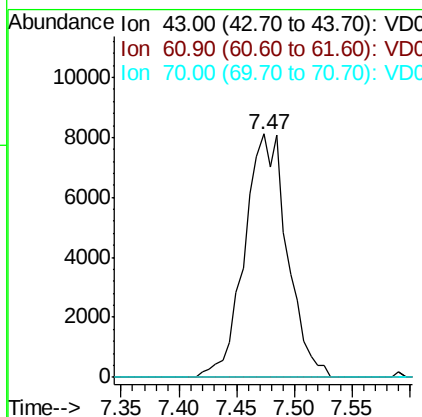
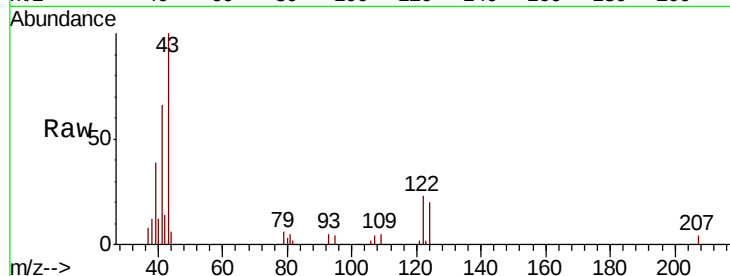




#37
Ethyl Acetate
Concen: 18.533 ug/l
RT: 7.47 min Scan# 944
Delta R.T. 0.19 min
Lab File: VD066402.D
Acq: 25 Aug 2020 15:10

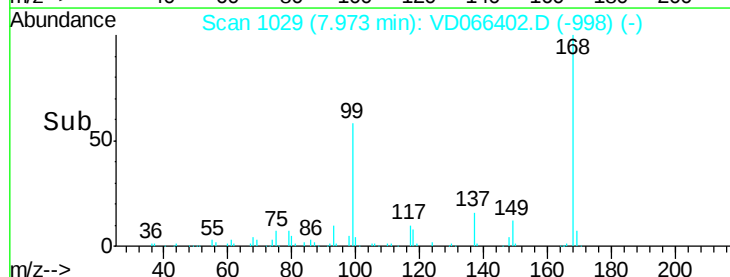
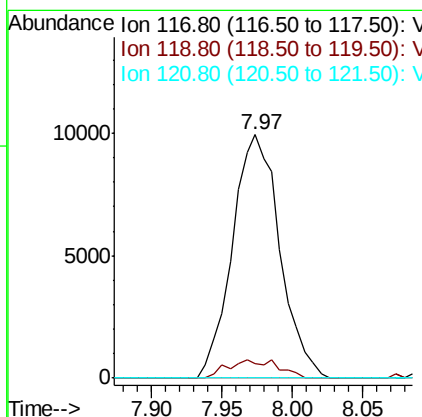
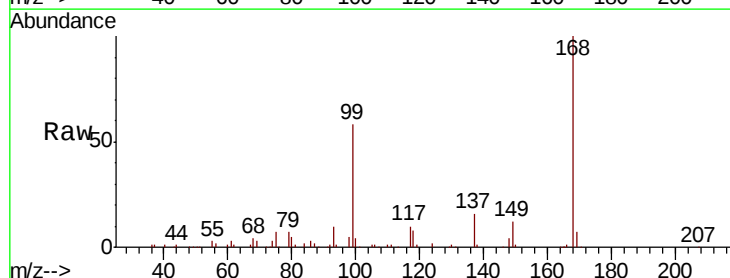
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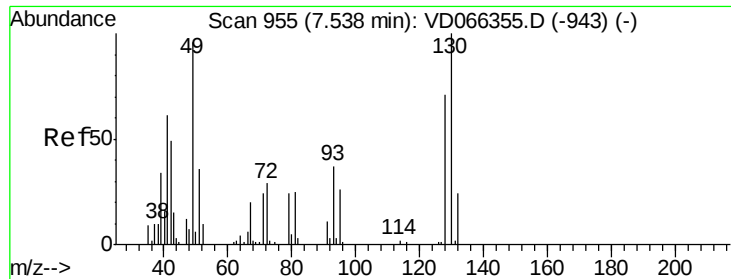
Tot Ion: 43 Resp: 20912
Ion Ratio Lower Upper
43 100
61 0.0 13.3 19.9#
70 0.0 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 5.402 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066402.D
Acq: 25 Aug 2020 15:10

Tgt Ion: 117 Resp: 23350
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.8 38.8#





#41

Methacrylonitrile

Concen: 20.978 ug/l

RT: 7.47 min Scan# 944

Delta R.T. -0.06 min

Lab File: VD066402.D

Acq: 25 Aug 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

RO-11

Tot Ion: 41 Resp: 14597

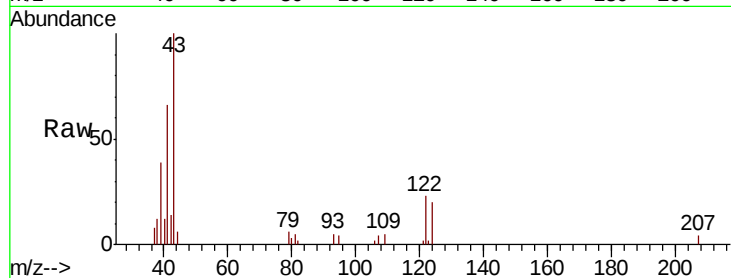
Ion Ratio Lower Upper

41 100

39 52.7 51.8 77.8

67 0.0 0.0 0.0

52 0.0 0.0 0.0

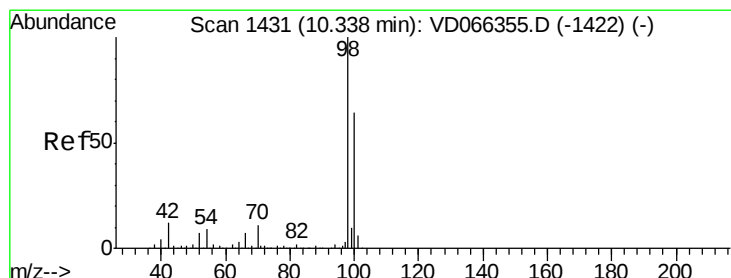
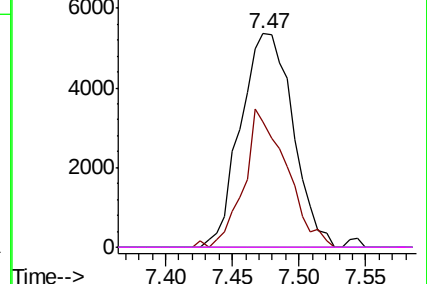
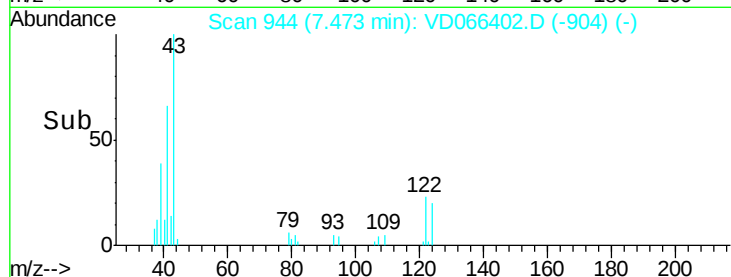


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 51.407 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066402.D

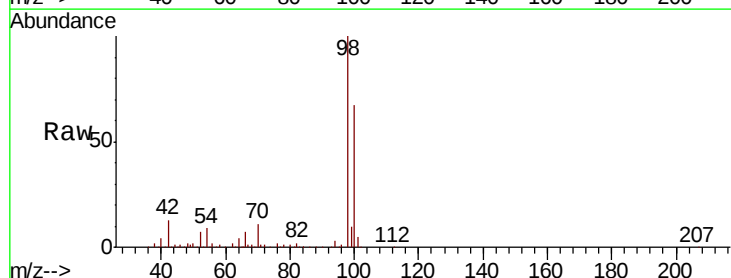
Acq: 25 Aug 2020 15:10

Tgt Ion: 98 Resp: 427641

Ion Ratio Lower Upper

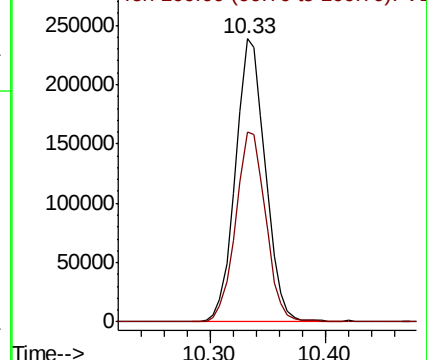
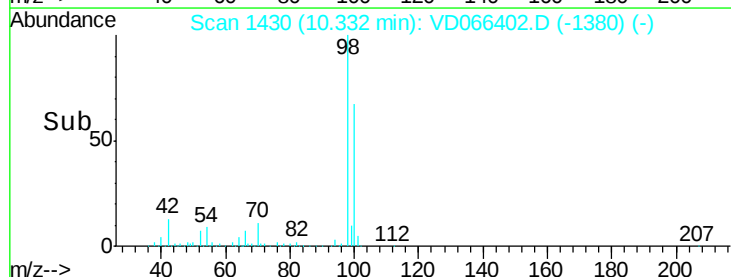
98 100

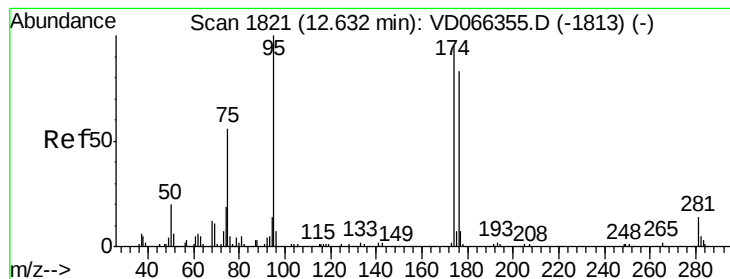
100 67.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 50.354 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066402.D

Acq: 25 Aug 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

RO-11

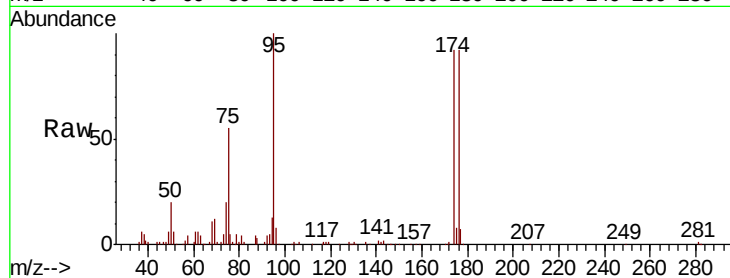
Tot Ion: 95 Resp: 148636

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.4

176 93.9 0.0 173.8



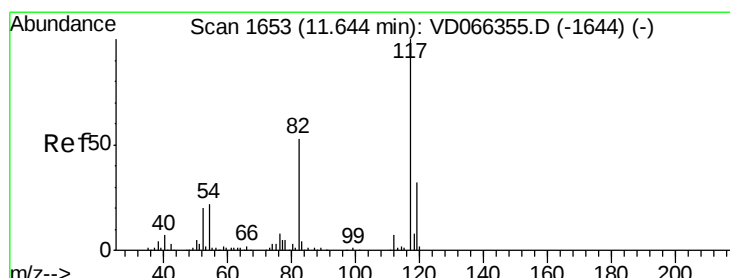
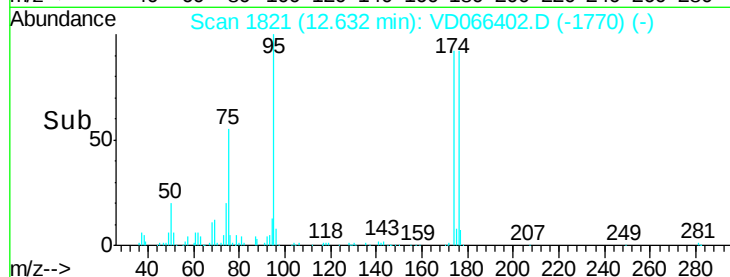
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066402.D

Acq: 25 Aug 2020 15:10

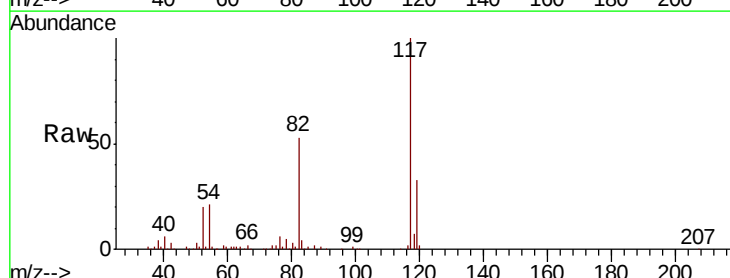
Tgt Ion: 117 Resp: 337884

Ion Ratio Lower Upper

117 100

82 53.2 42.8 64.2

119 32.7 25.8 38.8



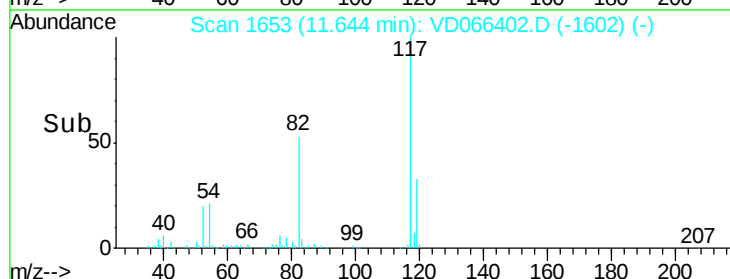
Abundance Ion 116.90 (116.60 to 117.60): V

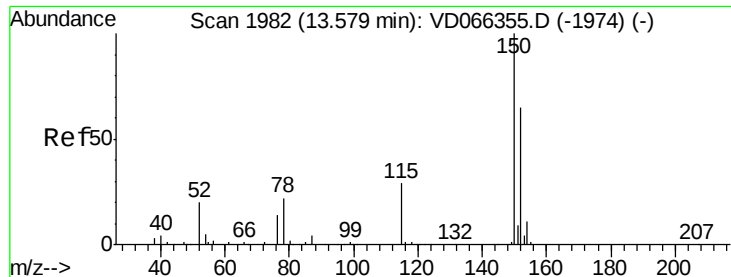
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066402.D

Acq: 25 Aug 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

RO-11

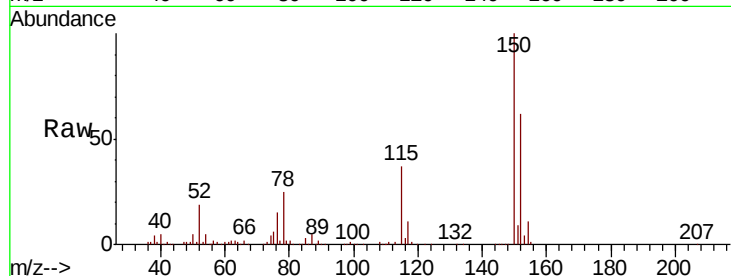
Tot Ion:152 Resp: 170467

Ion Ratio Lower Upper

152 100

115 57.3 28.3 85.0

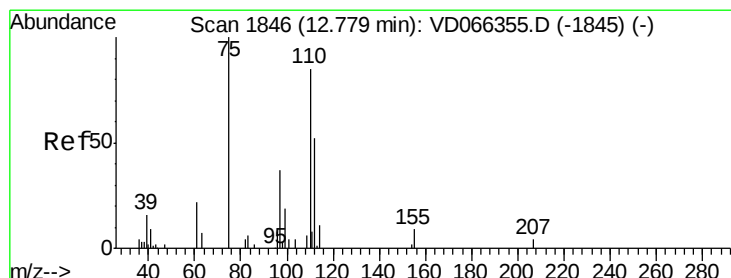
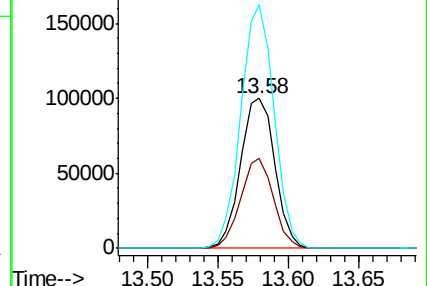
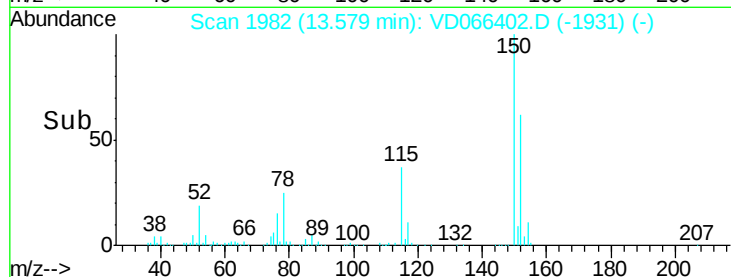
150 157.4 0.0 343.2



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



#76

1,2,3-Trichloropropane

Concen: 67.109 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066402.D

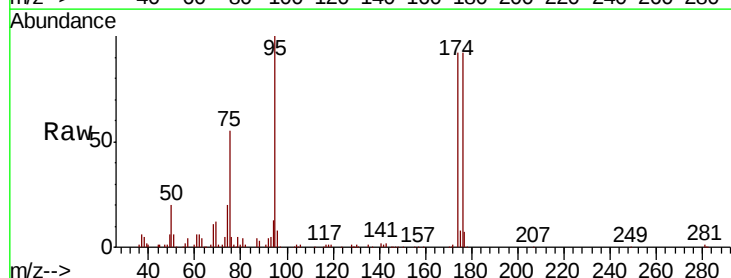
Acq: 25 Aug 2020 15:10

Tgt Ion: 75 Resp: 80480

Ion Ratio Lower Upper

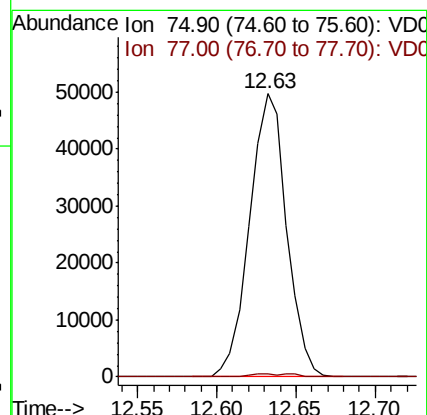
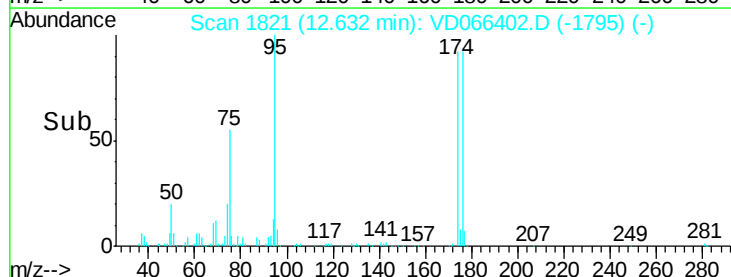
75 100

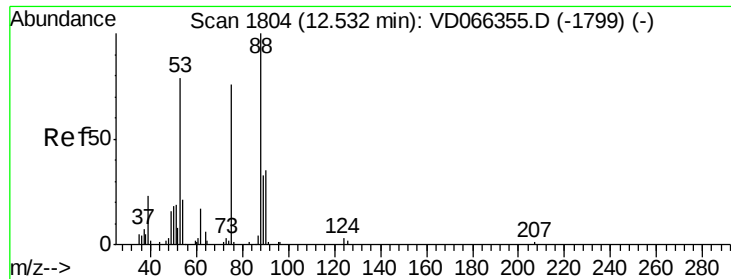
77 1.2 182.9 548.9#



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: 142.451 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066402.D

Acq: 25 Aug 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

RO-11

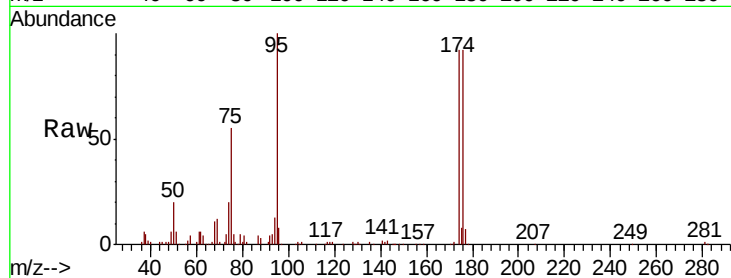
Tot Ion: 75 Resp: 80480

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#



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

