

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066403.D
 Acq On : 25 Aug 2020 15:38
 Operator : VA/SY
 Sample : L3784-07
 Misc : 5.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-23

Quant Time: Aug 26 08:04:48 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	7.98	168	237244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	351302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	327425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166176	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	125905	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.91	113	111593	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.34	98	411713	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.63	95	146064	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

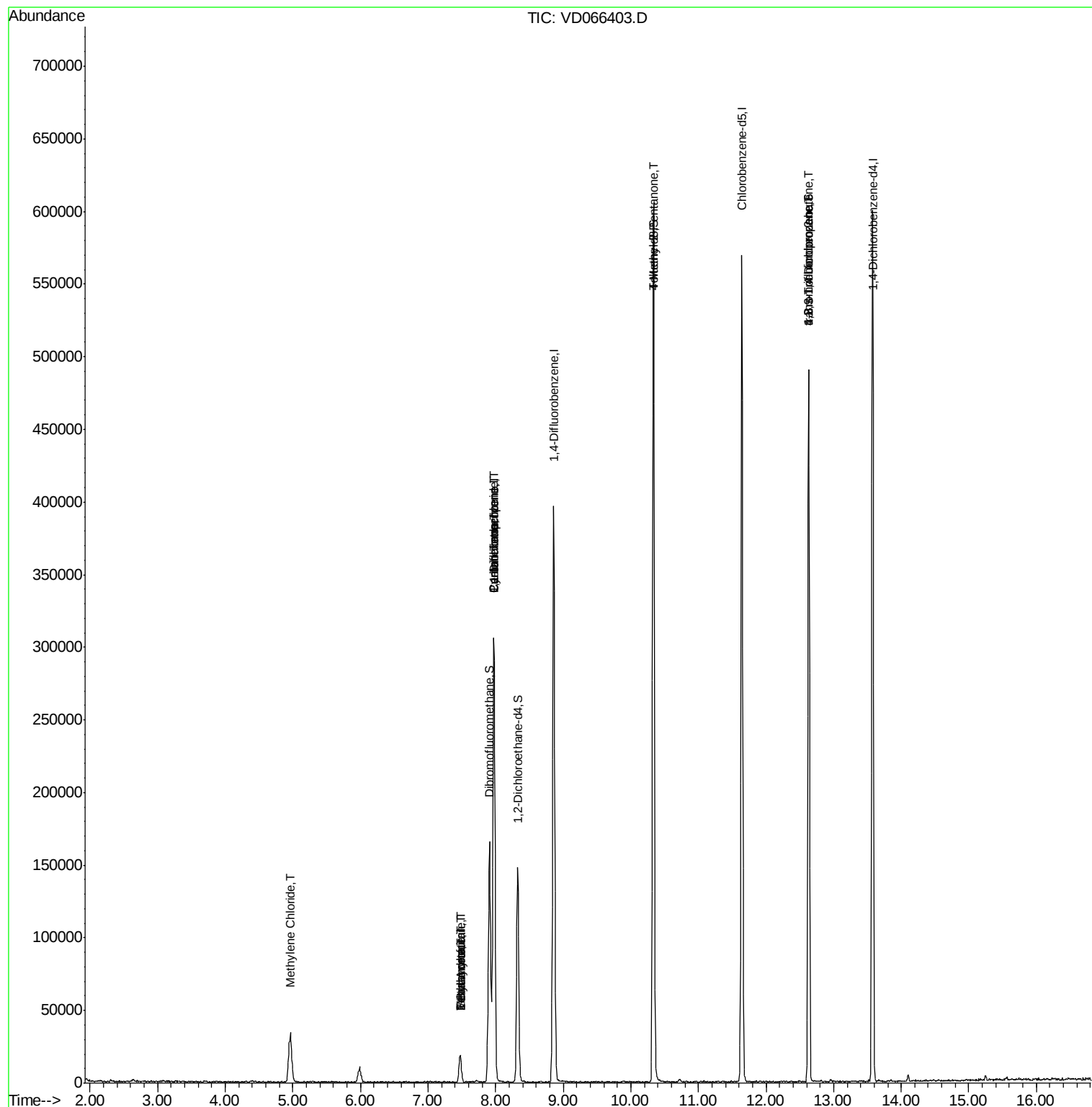
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	62	Below Cal	#	71
20) Methylene Chloride	4.96	84	26927	6.509	ug/l #	94
25) 2-Butanone	7.48	43	12209	25.647	ug/l #	47
29) Tetrahydrofuran	7.48	42	2248	8.314	ug/l #	28
31) Cyclohexane	7.98	56	4552	1.409	ug/l #	48
36) 1,1-Dichloropropene	7.97	75	16588	5.175	ug/l #	52
37) Ethyl Acetate	7.48	43	13469	12.355	ug/l #	67
38) Carbon Tetrachloride	7.97	117	22648	5.423	ug/l #	15
41) Methacrylonitrile	7.47	41	10105	15.030	ug/l #	79
51) 4-Methyl-2-Pentanone	10.34	43	1969	1.860	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	80566	68.915	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	80566	146.285	ug/l #	6

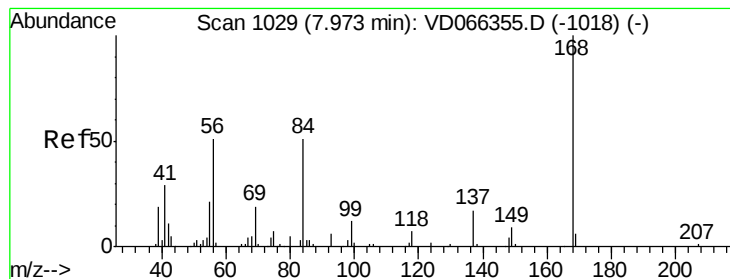
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082520\
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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

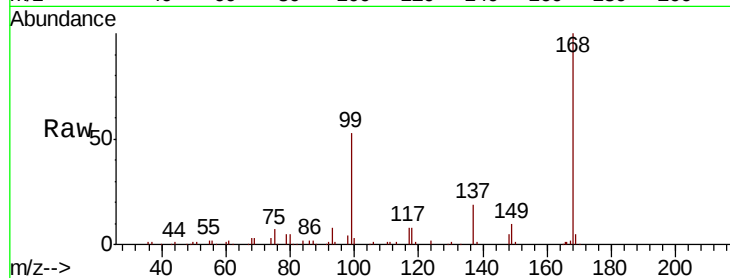
RO-23

Tot Ion:168 Resp: 237244

Ion Ratio Lower Upper

168 100

99 52.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

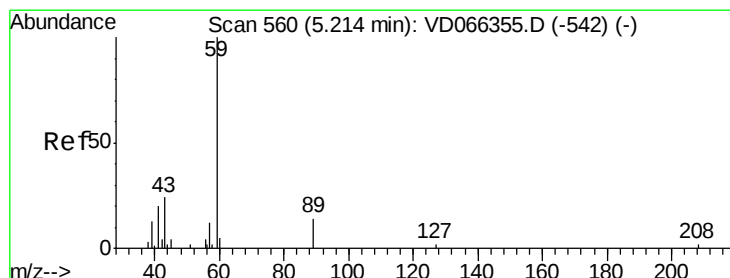
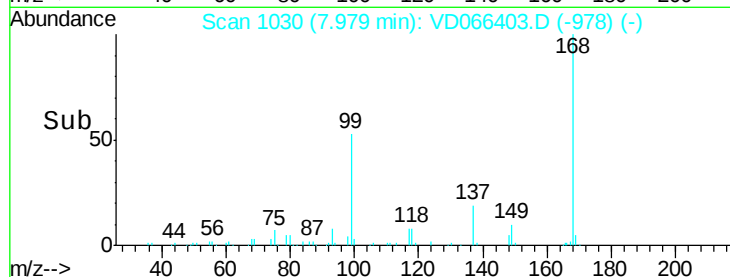
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066403.D

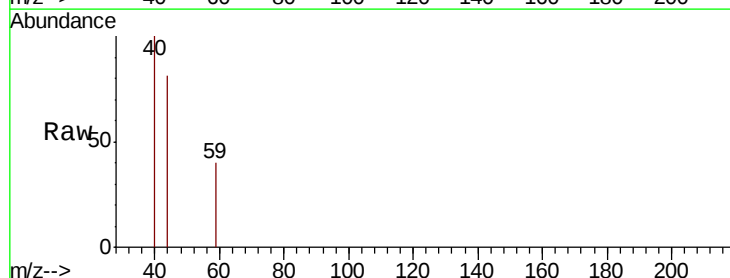
Acq: 25 Aug 2020 15:38

Tgt Ion: 59 Resp: 62

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

5.20

200

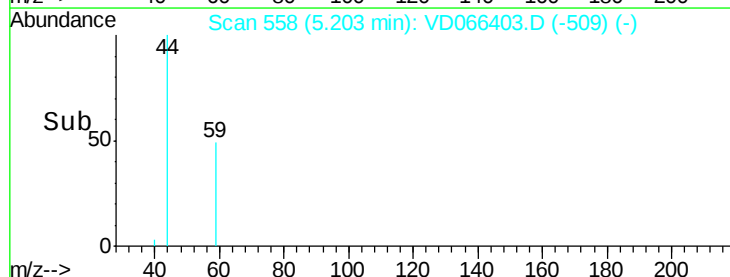
150

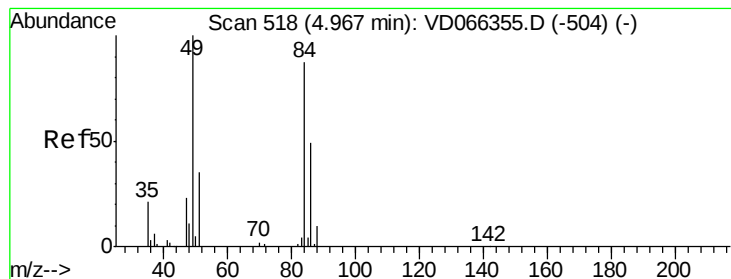
100

50

0

Time-->





#20

Methvlene Chloride

Concen: 6.509 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

RO-23

Tot Ion: 84 Resp: 26927

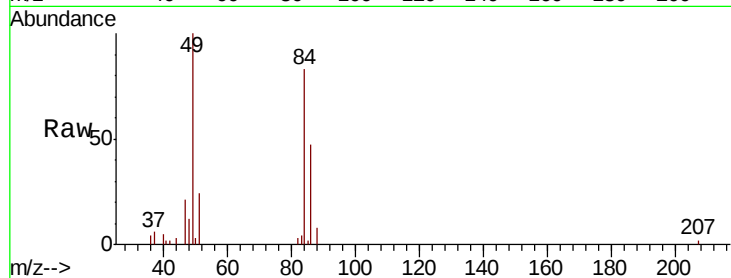
Ion Ratio Lower Upper

84 100

49 120.0 92.5 138.7

51 28.4 32.5 48.7#

86 56.7 45.0 67.6

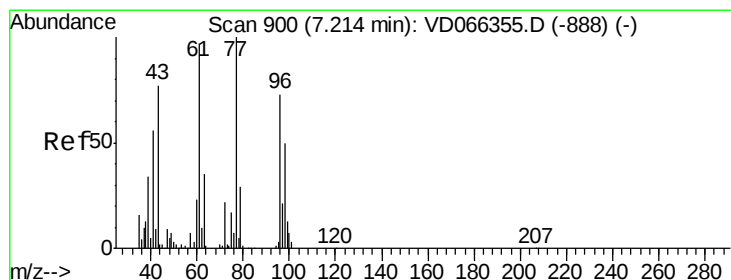
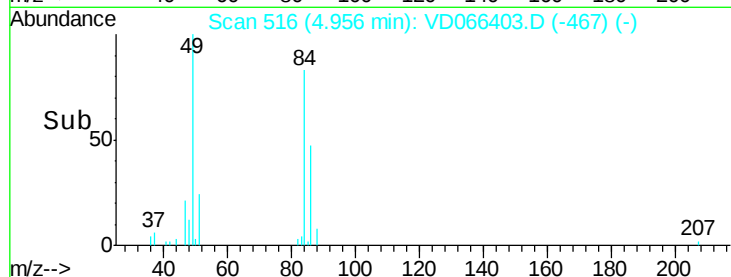
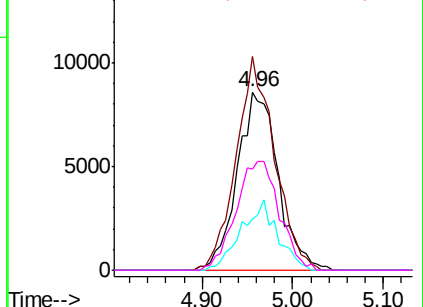


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 25.647 ug/l

RT: 7.48 min Scan# 945

Delta R.T. 0.26 min

Lab File: VD066403.D

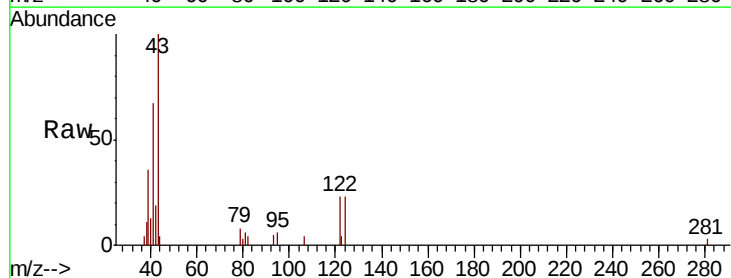
Acq: 25 Aug 2020 15:38

Tgt Ion: 43 Resp: 12209

Ion Ratio Lower Upper

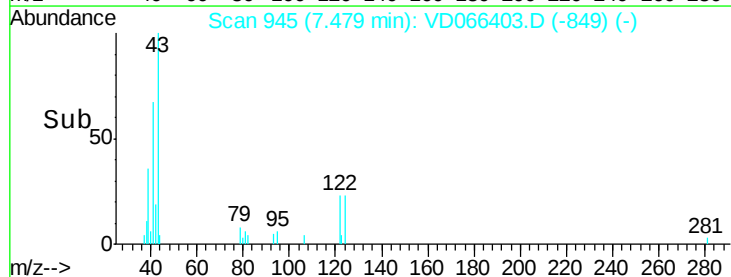
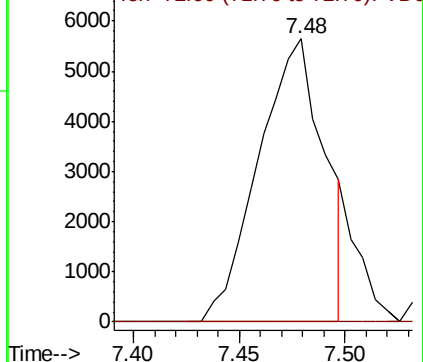
43 100

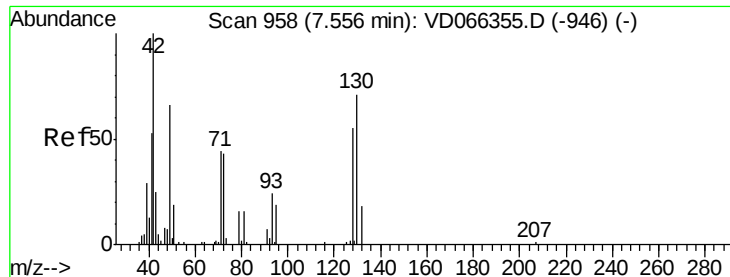
72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

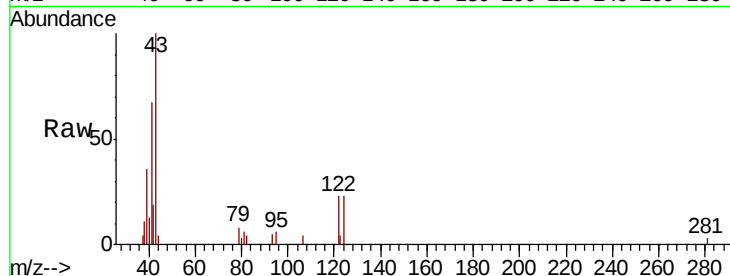




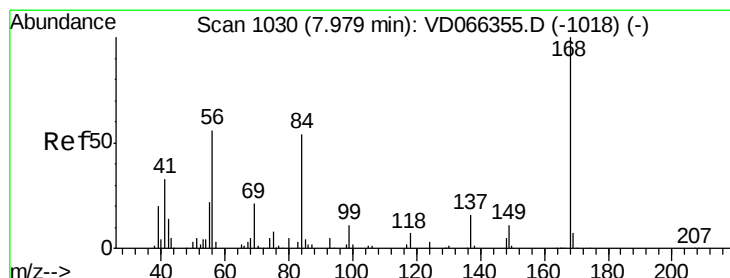
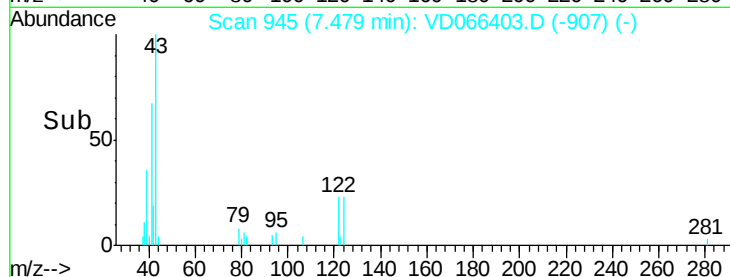
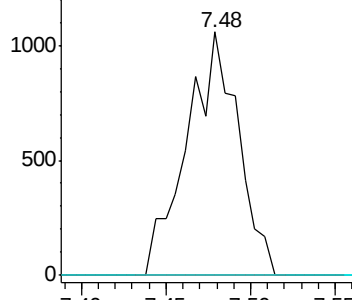
#29
Tetrahydrofuran
Concen: 8.314 ug/l
RT: 7.48 min Scan# 945
Delta R.T. -0.08 min
Lab File: VD066403.D
Acq: 25 Aug 2020 15:38

Instrument :
MSVOA_D
ClientSampled :
RO-23

Tot Ion: 42 Resp: 2248
Ion Ratio Lower Upper
42 100
72 0.0 41.0 61.4#
71 0.0 37.2 55.8#

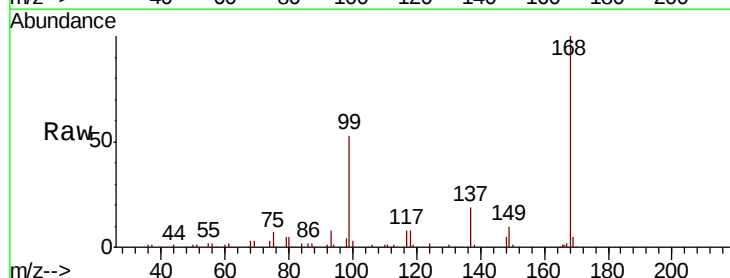


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

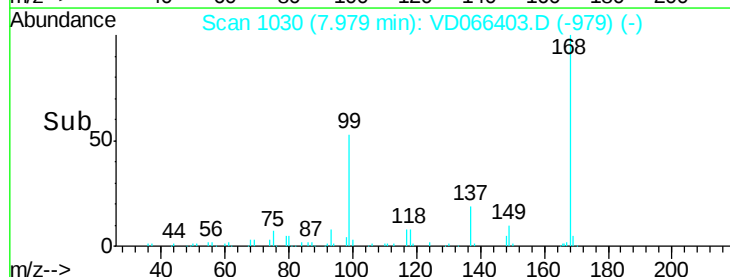
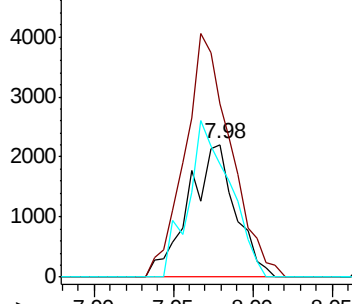


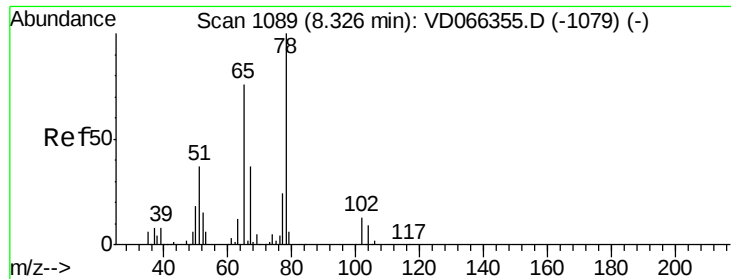
#31
Cyclohexane
Concen: 1.409 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066403.D
Acq: 25 Aug 2020 15:38

Tgt Ion: 56 Resp: 4552
Ion Ratio Lower Upper
56 100
69 130.7 29.6 44.4#
84 85.3 76.6 115.0



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

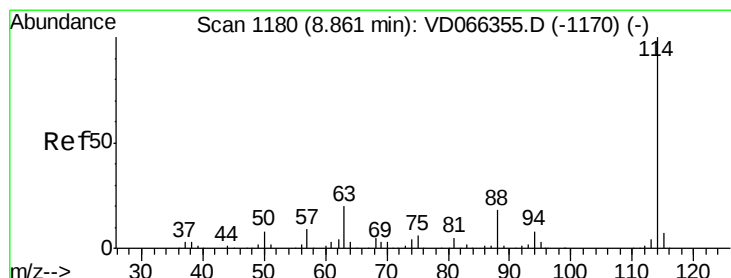
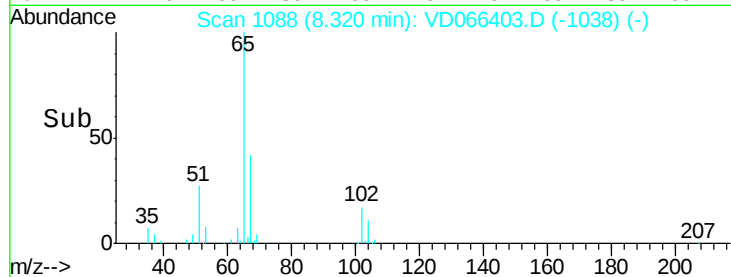
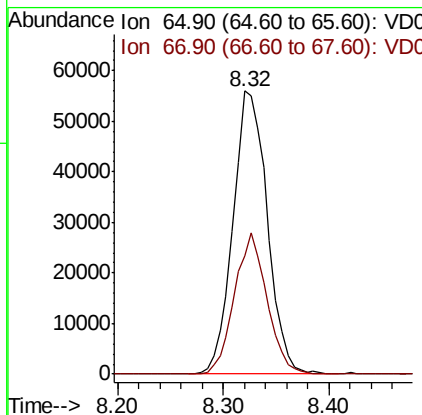
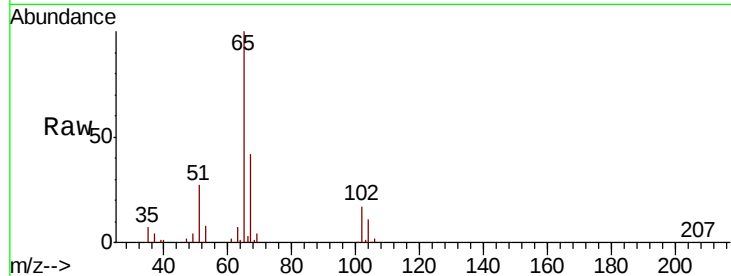




#33
 1,2-Dichloroethane-d4
 Concen: 54.131 ug/l
 RT: 8.32 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VD066403.D
 Acq: 25 Aug 2020 15:38

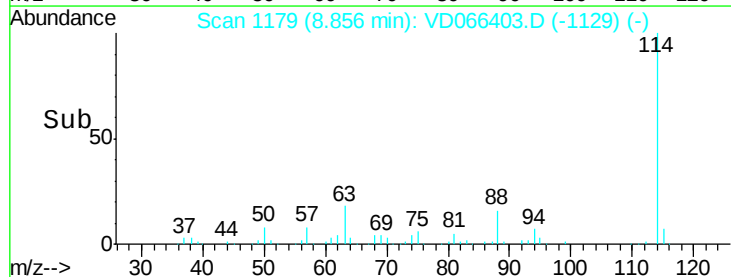
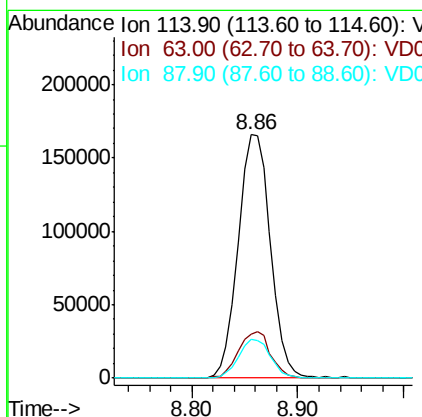
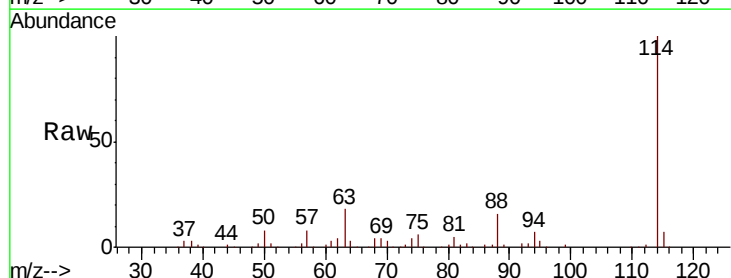
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-23

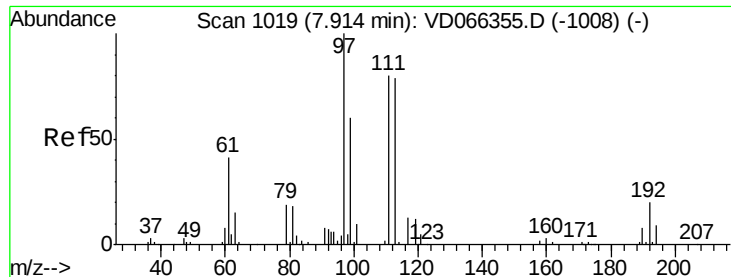
Tot Ion: 65 Resp: 125905
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066403.D
 Acq: 25 Aug 2020 15:38

Tgt Ion: 114 Resp: 351302
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 40.8
 88 16.1 0.0 35.4

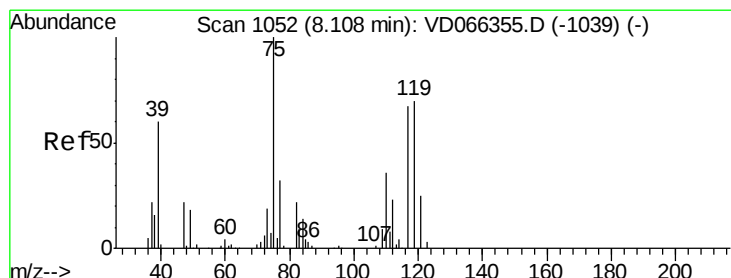
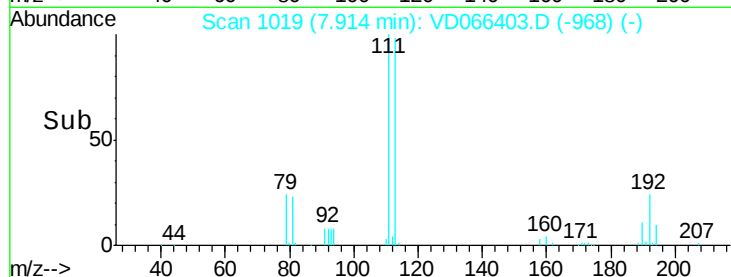
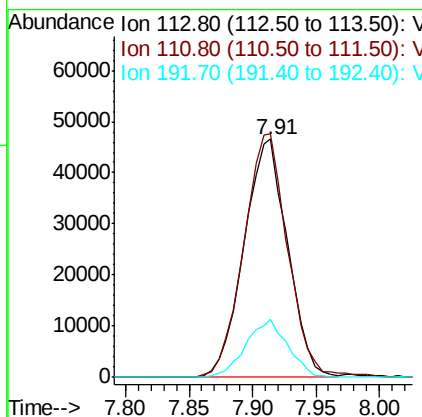
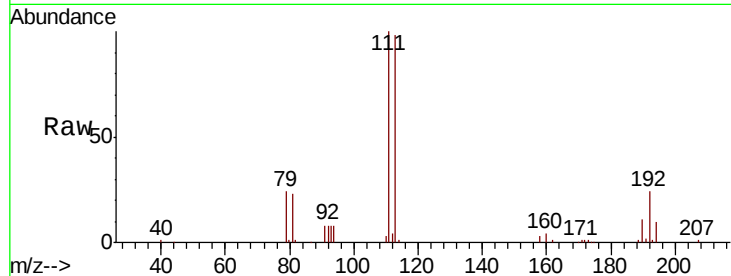




#35
 Dibromofluoromethane
 Concen: 50.800 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066403.D
 Acq: 25 Aug 2020 15:38

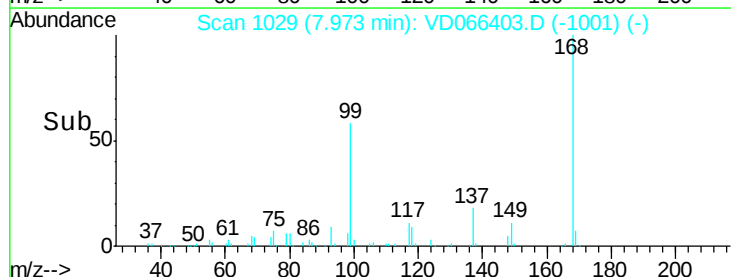
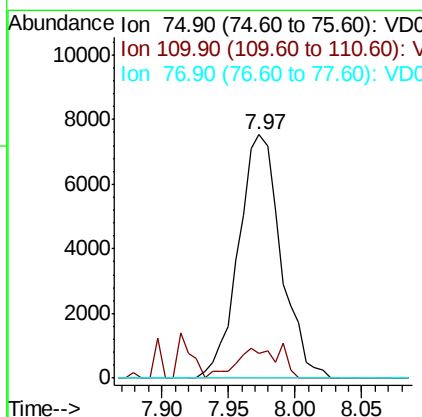
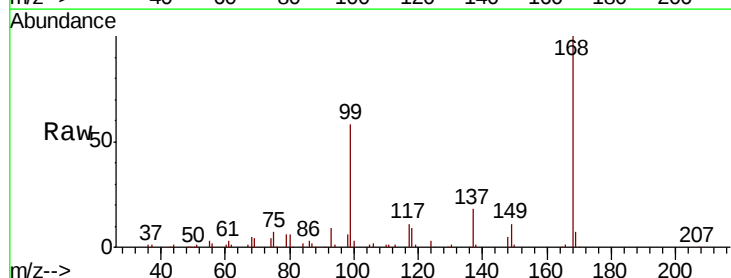
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-23

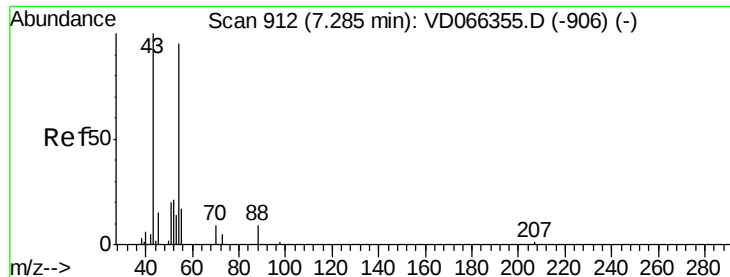
Tot Ion:113 Resp: 111593
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.3 120.5
 192 23.4 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.175 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066403.D
 Acq: 25 Aug 2020 15:38

Tgt Ion: 75 Resp: 16588
 Ion Ratio Lower Upper
 75 100
 110 12.7 18.7 56.1#
 77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 12.355 ug/l

RT: 7.48 min Scan# 945

Delta R.T. 0.19 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

RO-23

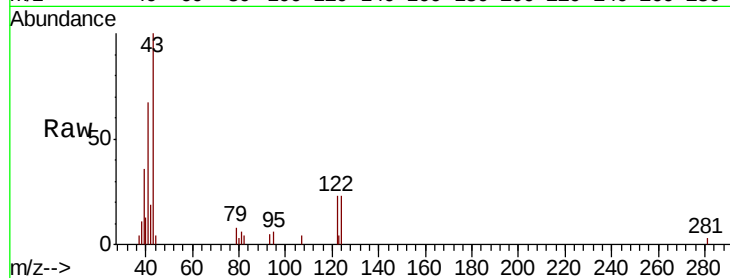
Tot Ion: 43 Resp: 13469

Ion Ratio Lower Upper

43 100

61 0.0 13.3 19.9#

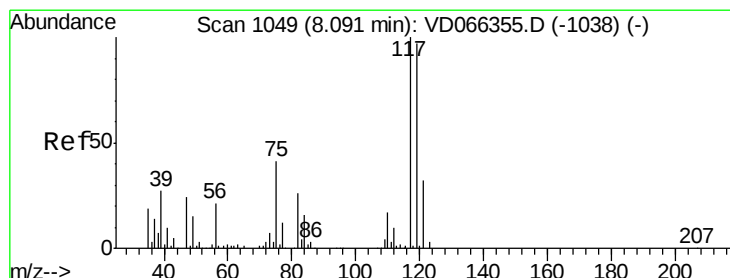
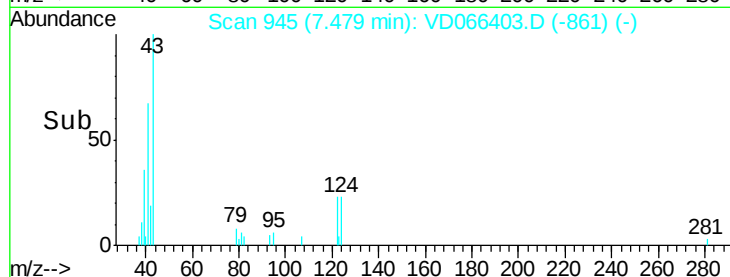
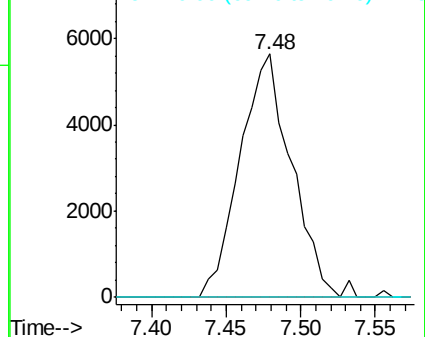
70 0.0 3.5 5.3#



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: 5.423 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

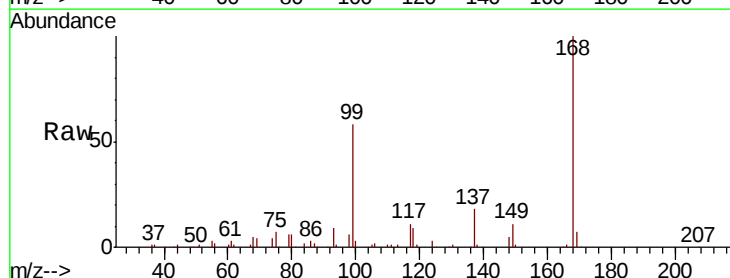
Tgt Ion: 117 Resp: 22648

Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

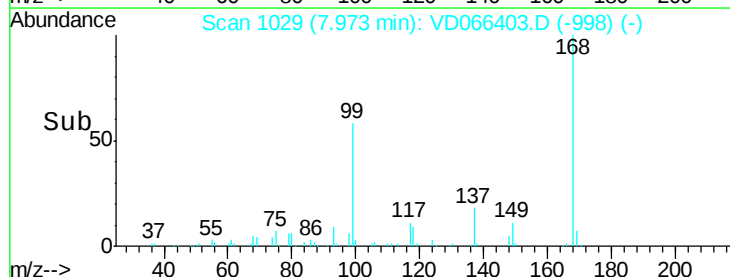
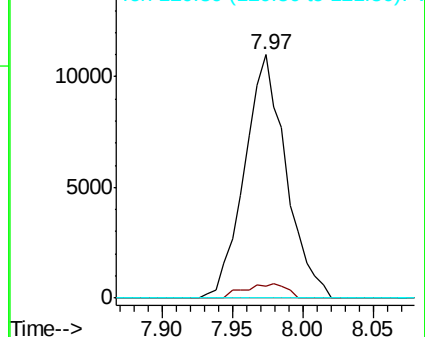
121 0.0 25.8 38.8#

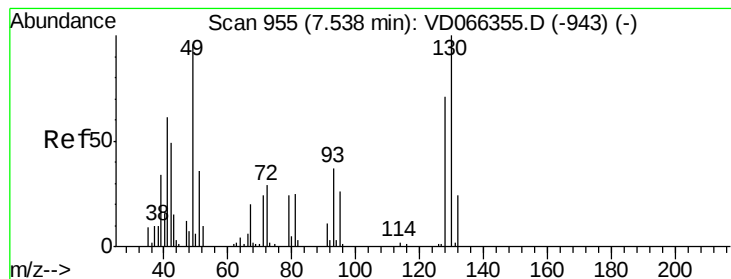


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 15.030 ug/l

RT: 7.47 min Scan# 944

Delta R.T. -0.06 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

RO-23

Tot Ion: 41 Resp: 10105

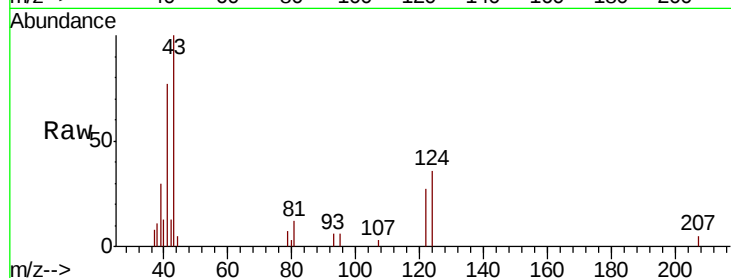
Ion Ratio Lower Upper

41 100

39 48.3 51.8 77.8#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

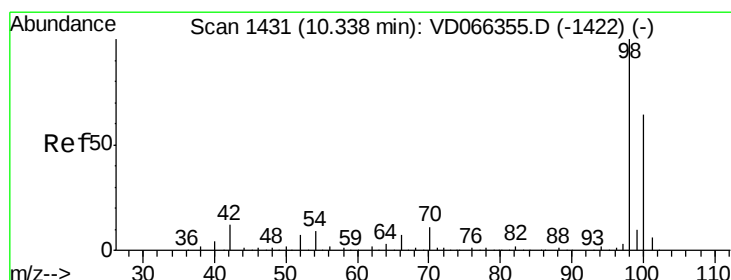
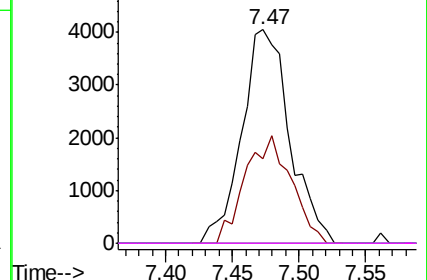
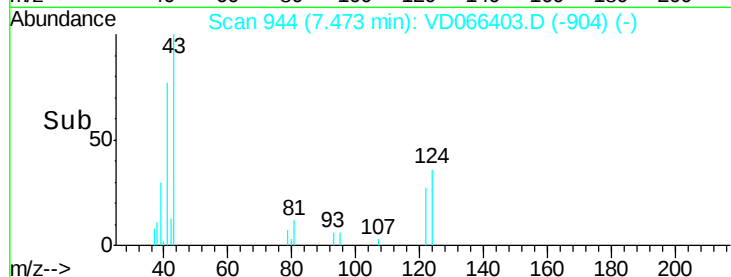


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 51.224 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066403.D

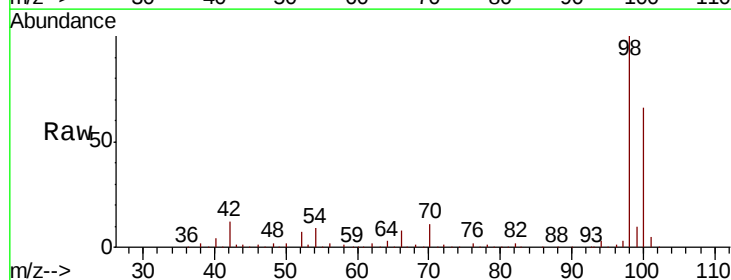
Acq: 25 Aug 2020 15:38

Tgt Ion: 98 Resp: 411713

Ion Ratio Lower Upper

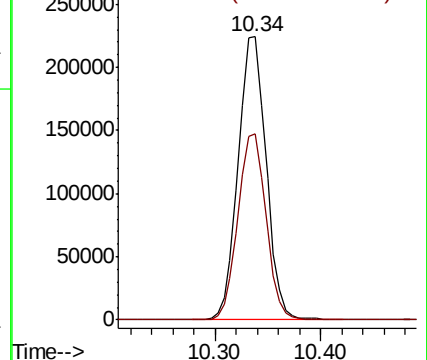
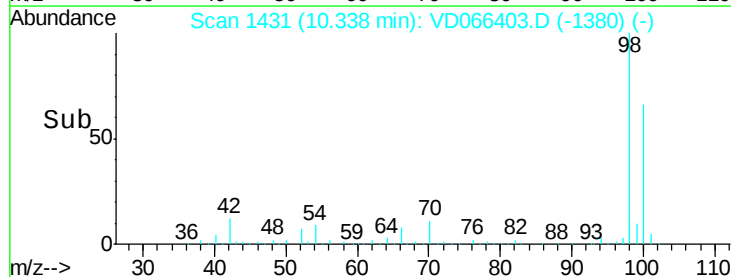
98 100

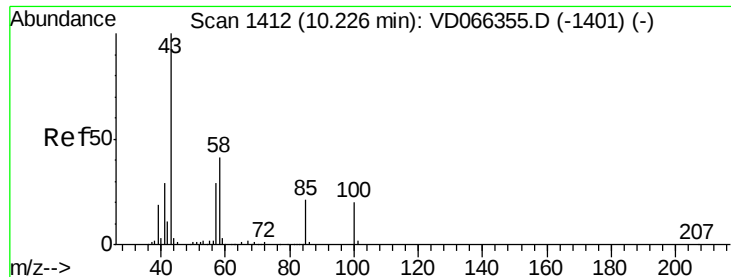
100 66.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

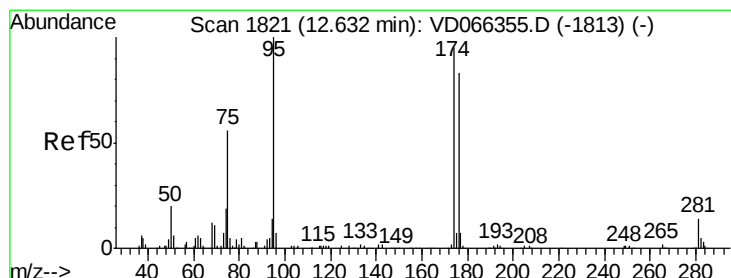
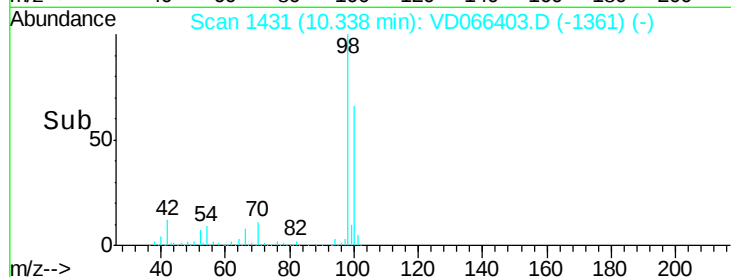
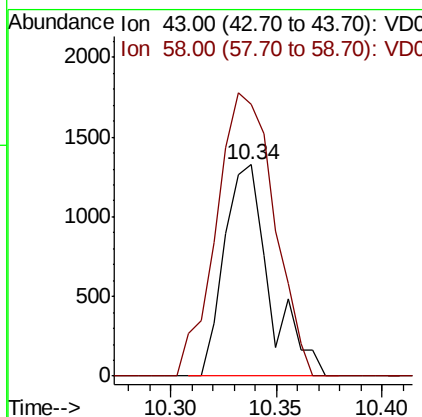
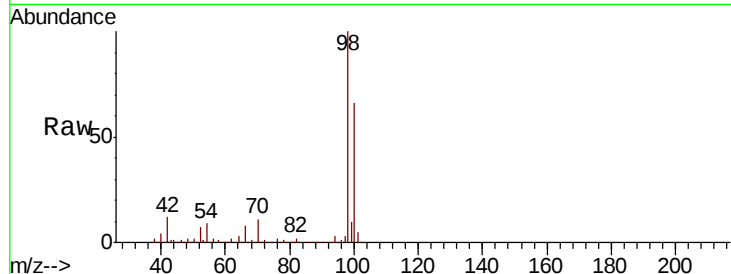




#51
4-Methyl-2-Pentanone
Concen: 1.860 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066403.D
Acq: 25 Aug 2020 15:38

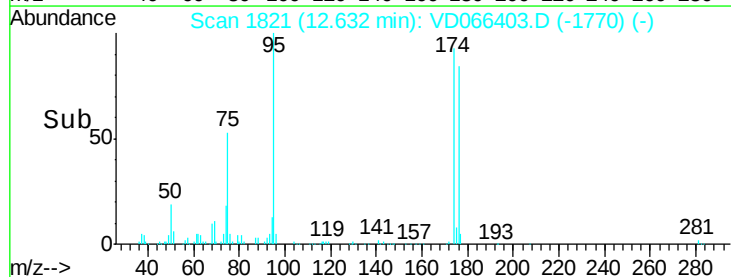
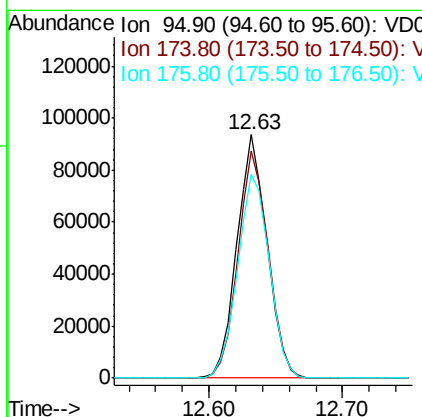
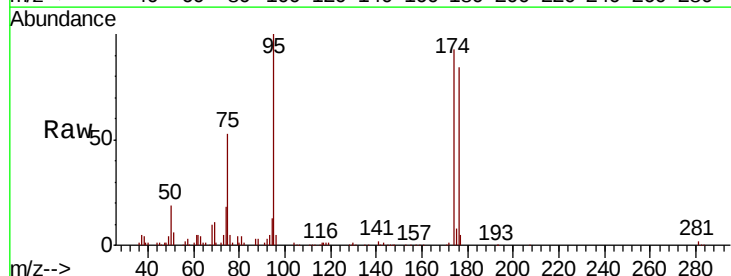
Instrument :
MSVOA_D
ClientSampleID :
RO-23

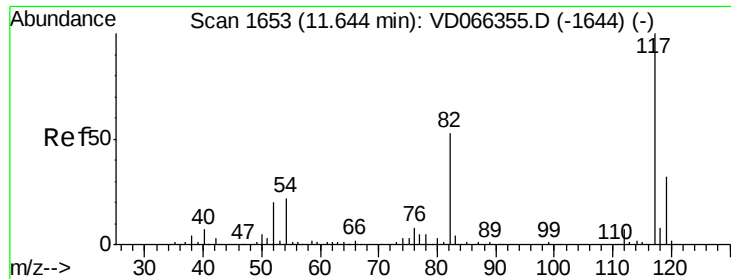
Tot Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
58 171.8 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 51.214 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066403.D
Acq: 25 Aug 2020 15:38

Tgt Ion: 95 Resp: 146064
Ion Ratio Lower Upper
95 100
174 94.0 0.0 183.4
176 88.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

Instrument :

MSVOA_D

ClientSampleId :

RO-23

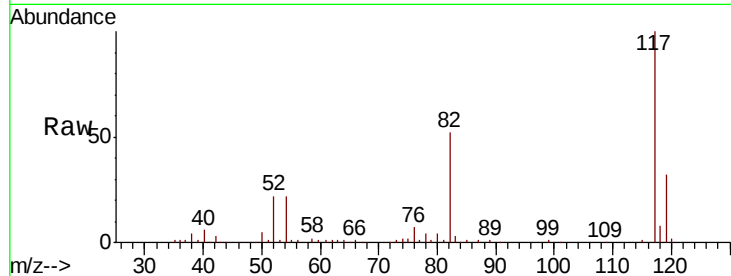
Tot Ion:117 Resp: 327425

Ion Ratio Lower Upper

117 100

82 51.8 42.8 64.2

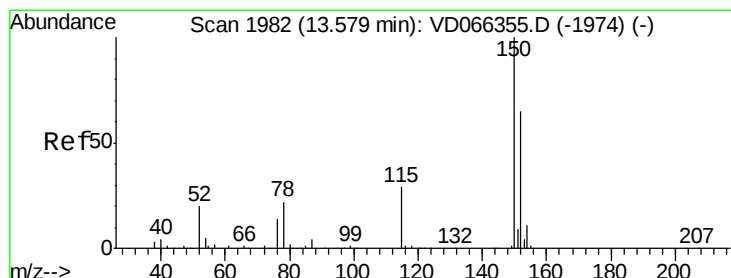
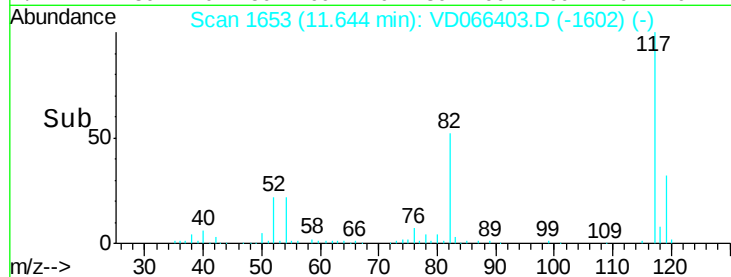
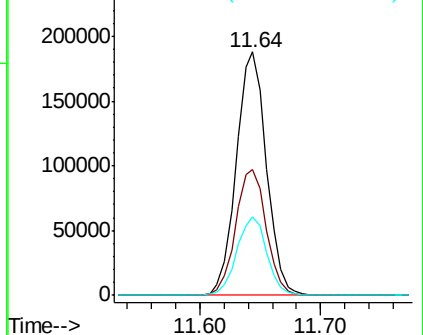
119 32.0 25.8 38.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

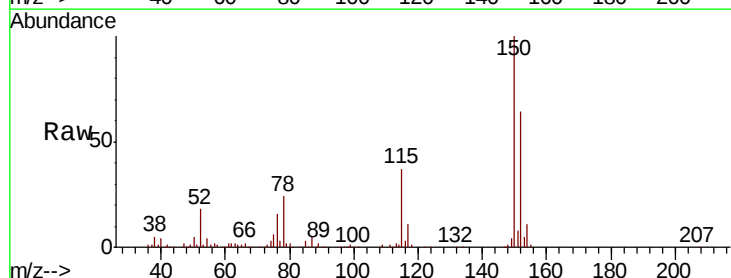
Tgt Ion:152 Resp: 166176

Ion Ratio Lower Upper

152 100

115 57.9 28.3 85.0

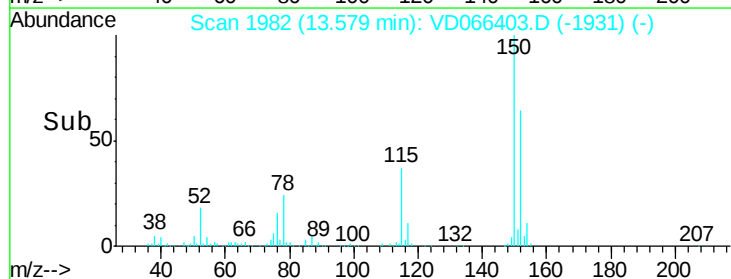
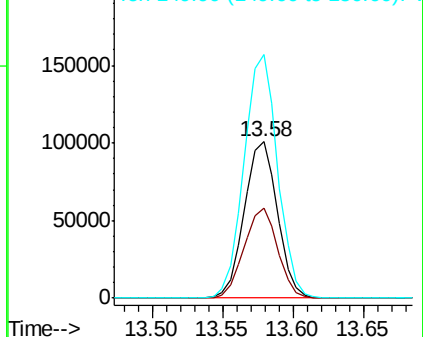
150 157.7 0.0 343.2

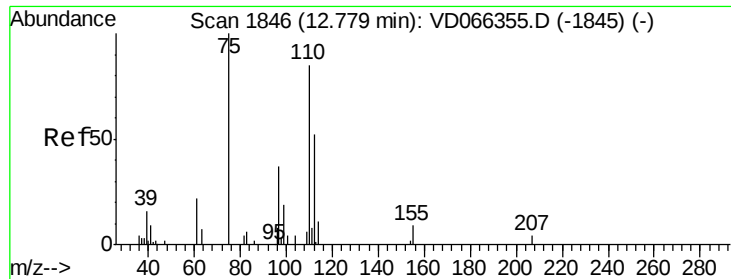


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 68.915 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

Instrument :

MSVOA_D

ClientSampled :

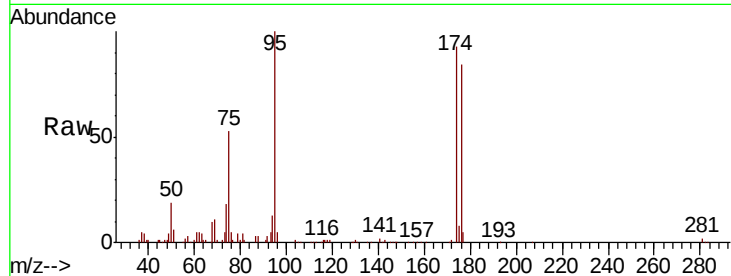
RO-23

Tot Ion: 75 Resp: 80566

Ion Ratio Lower Upper

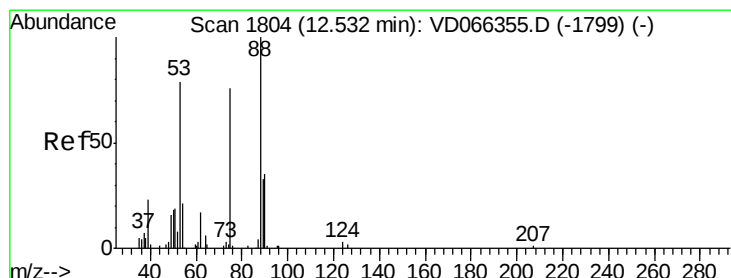
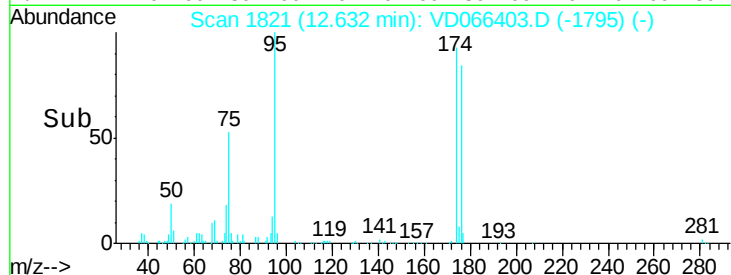
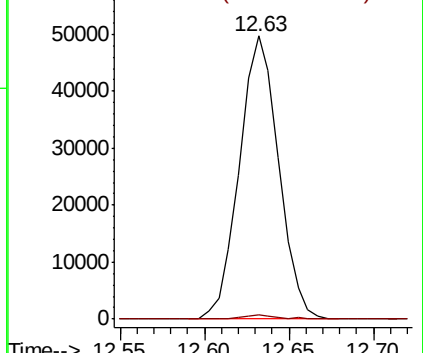
75 100

77 1.2 182.9 548.9#



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: 146.285 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066403.D

Acq: 25 Aug 2020 15:38

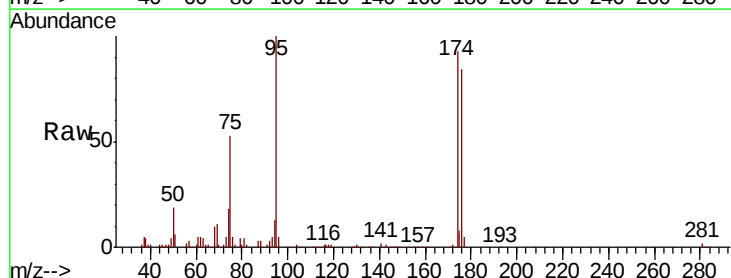
Tgt Ion: 75 Resp: 80566

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

