

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066405.D
 Acq On : 25 Aug 2020 16:33
 Operator : VA/SY
 Sample : L3784-13
 Misc : 6.89G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-06

Quant Time: Aug 26 08:05:15 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	216286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	322717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	305213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158640	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	122368	57.71	ug/l	0.00
Spiked Amount			Recovery	=	115.42%	
35) Dibromofluoromethane	7.91	113	105633	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.34	98	387975	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.63	95	137758	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	

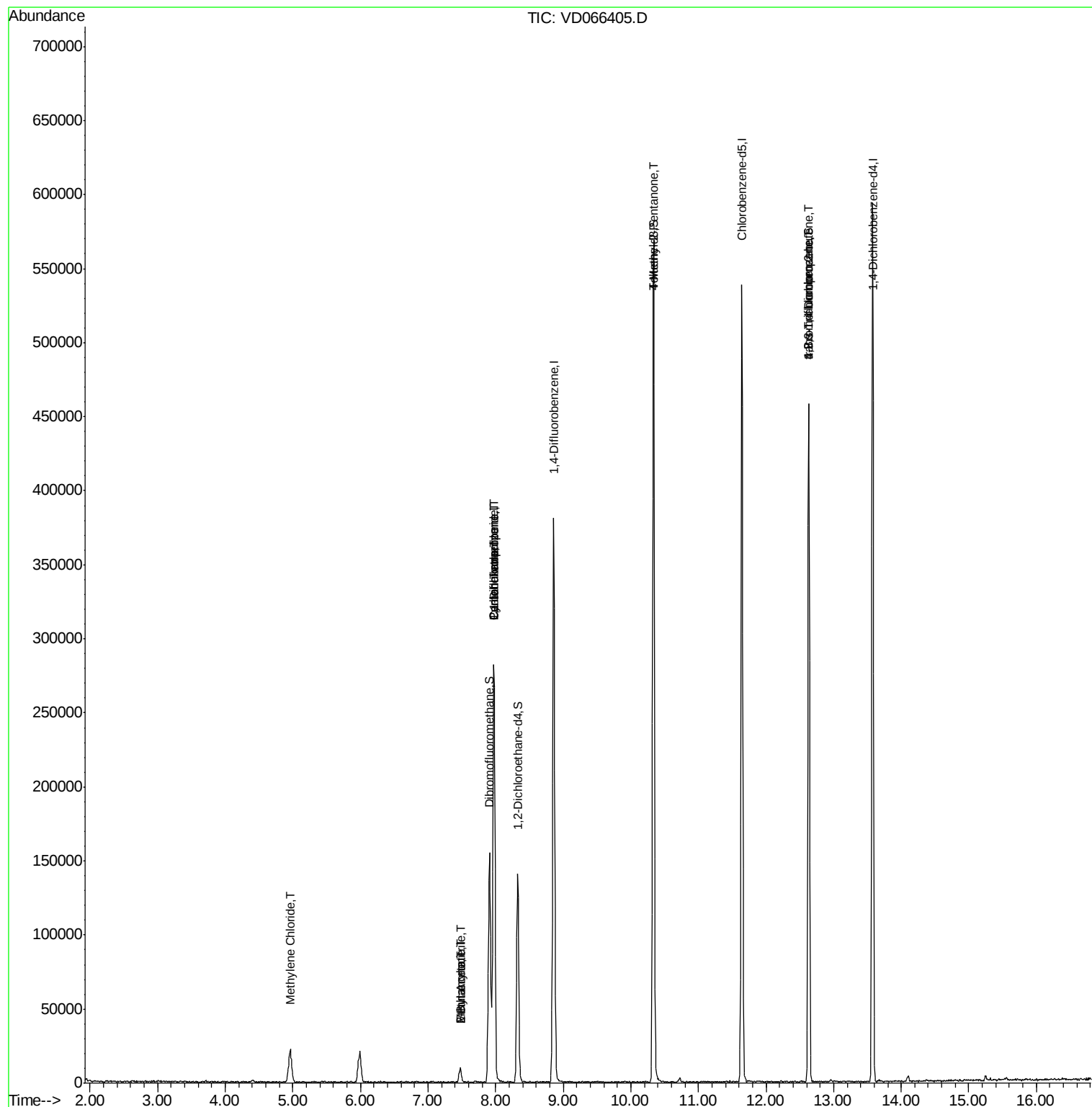
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	17600	2.614	ug/l #	85
25) 2-Butanone	7.48	43	6017	13.864	ug/l #	47
31) Cyclohexane	7.98	56	4420	1.501	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	15016	5.100	ug/l #	51
37) Ethyl Acetate	7.48	43	7129	7.118	ug/l #	67
38) Carbon Tetrachloride	7.97	117	21411	5.581	ug/l #	14
41) Methacrylonitrile	7.49	41	4674	7.568	ug/l #	64
51) 4-Methyl-2-Pentanone	10.33	43	2062	2.120	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	77472	69.417	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	77472	147.350	ug/l #	6

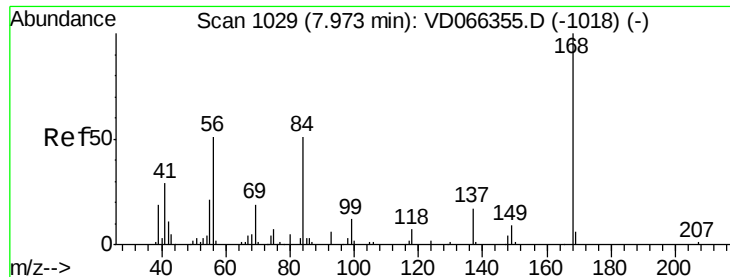
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 26 08:05:15 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: VD066405.D

Acq: 25 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

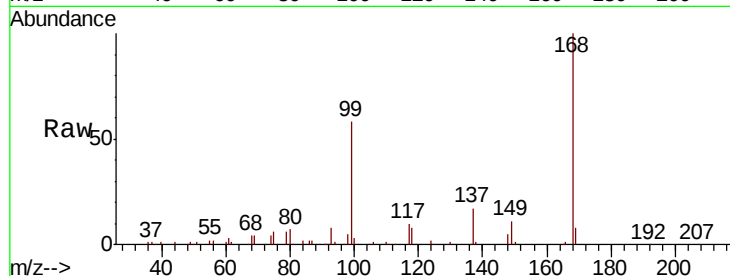
RO-06

Tot Ion:168 Resp: 216286

Ion Ratio Lower Upper

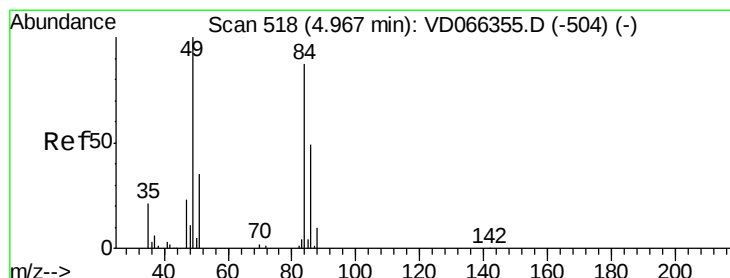
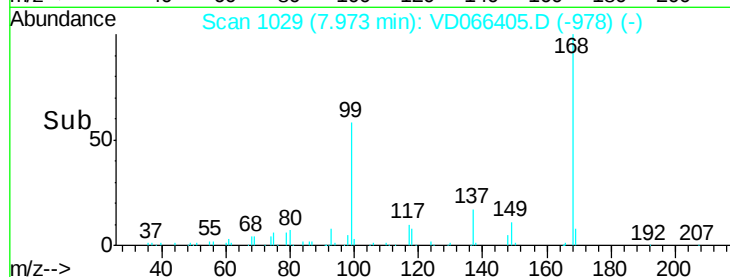
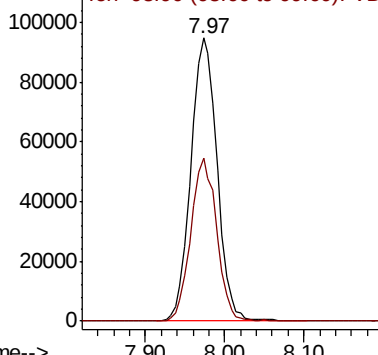
168 100

99 57.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 2.614 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066405.D

Acq: 25 Aug 2020 16:33

Tgt Ion: 84 Resp: 17600

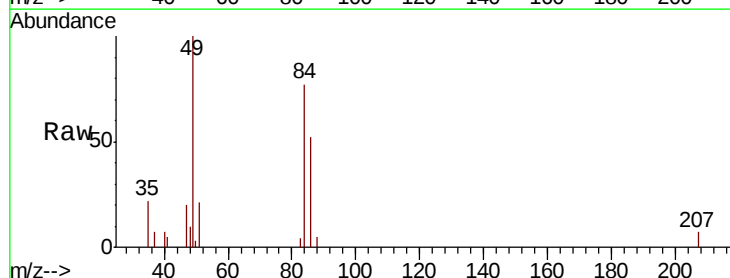
Ion Ratio Lower Upper

84 100

49 129.9 92.5 138.7

51 27.7 32.5 48.7#

86 66.9 45.0 67.6

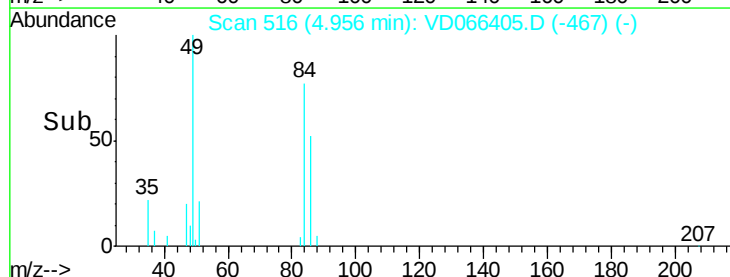
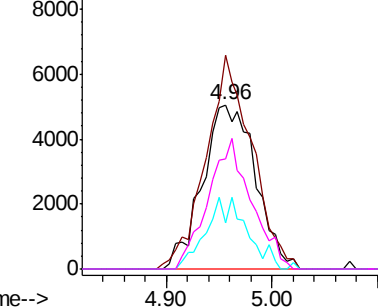


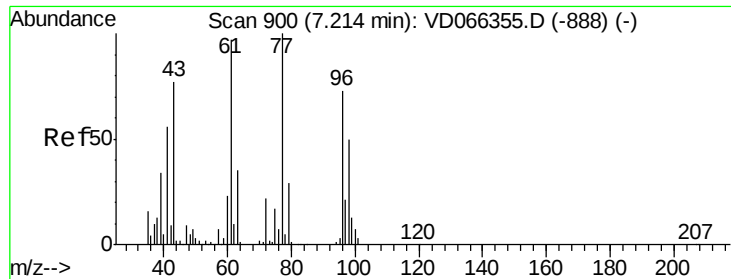
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 13.864 ug/l

RT: 7.48 min Scan# 945

Delta R.T. 0.26 min

Lab File: VD066405.D

Acq: 25 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

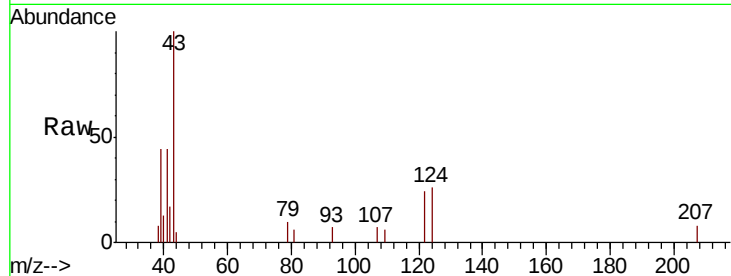
RO-06

Tot Ion: 43 Resp: 6017

Ion Ratio Lower Upper

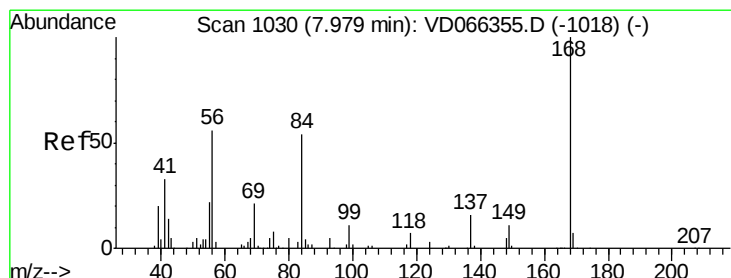
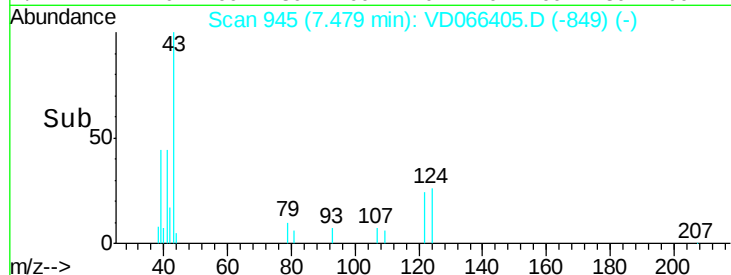
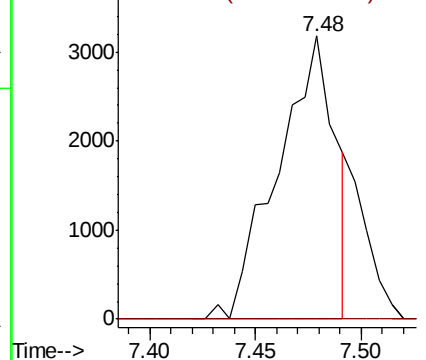
43 100

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



#31

Cyclohexane

Concen: 1.501 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066405.D

Acq: 25 Aug 2020 16:33

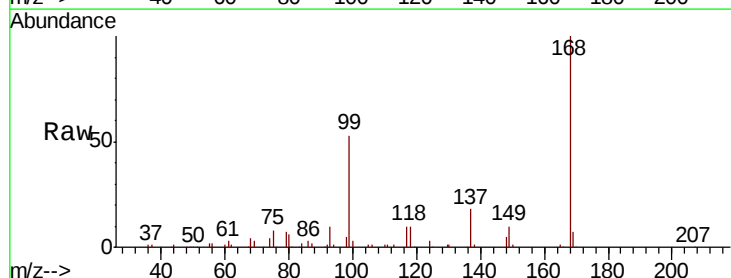
Tgt Ion: 56 Resp: 4420

Ion Ratio Lower Upper

56 100

69 133.3 29.6 44.4#

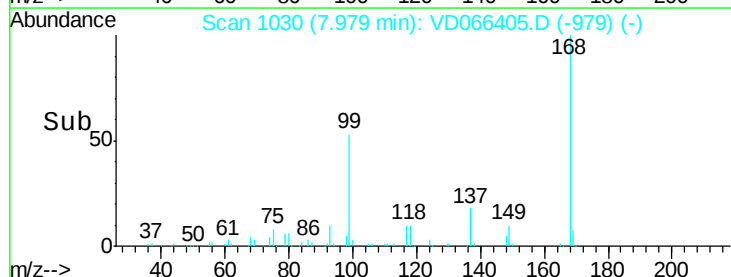
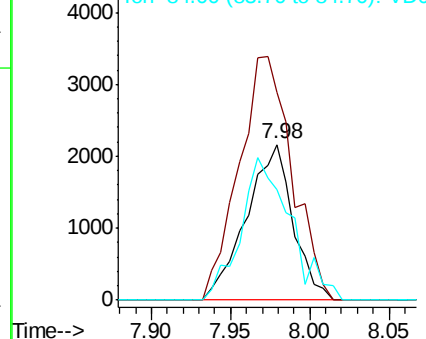
84 70.8 76.6 115.0#

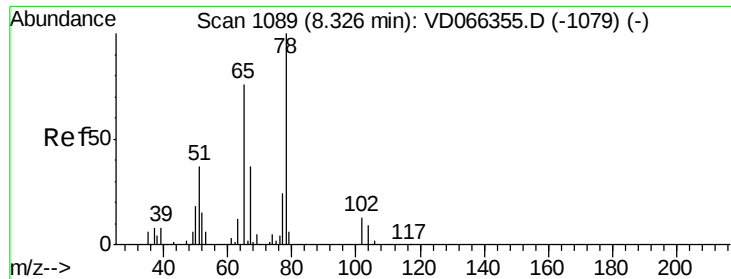


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

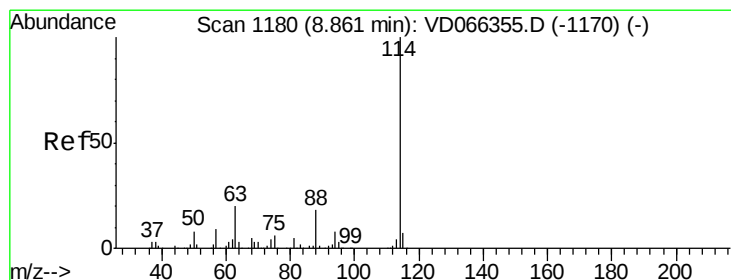
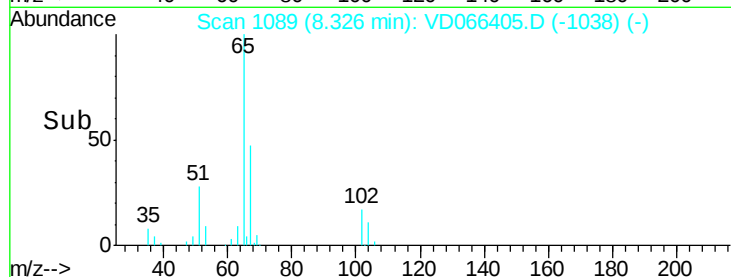
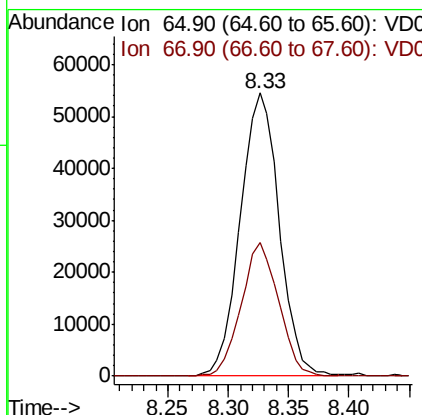
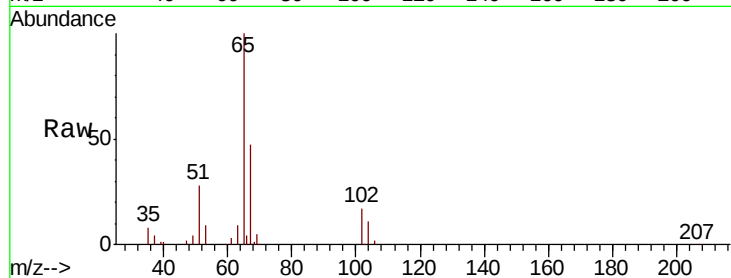




#33
 1,2-Dichloroethane-d4
 Concen: 57.708 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066405.D
 Acq: 25 Aug 2020 16:33

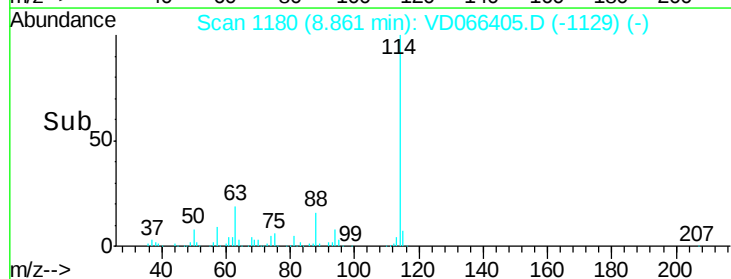
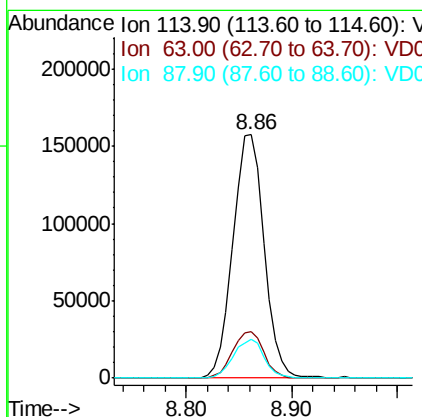
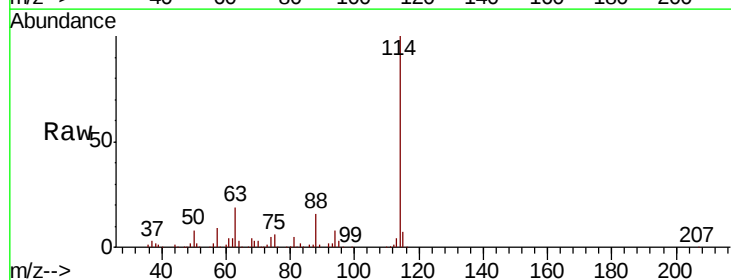
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-06

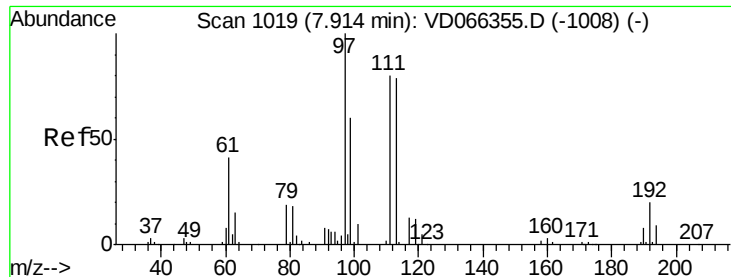
Tot Ion: 65 Resp: 122368
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066405.D
 Acq: 25 Aug 2020 16:33

Tgt Ion: 114 Resp: 322717
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.8
 88 15.7 0.0 35.4

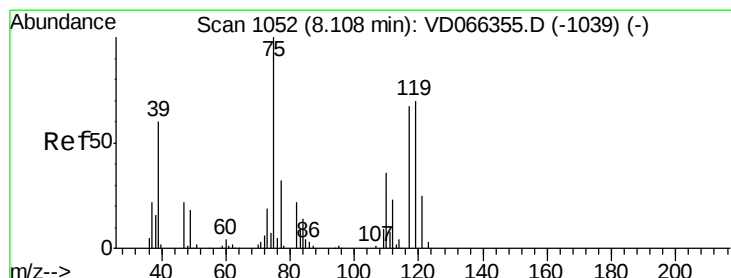
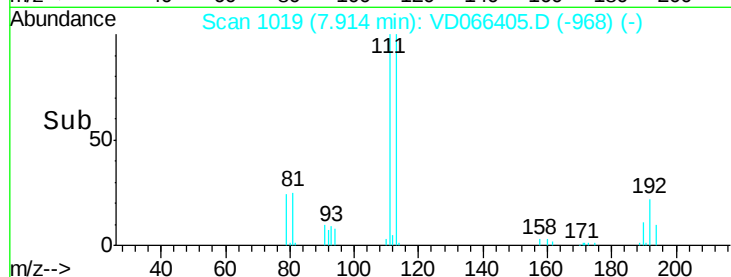
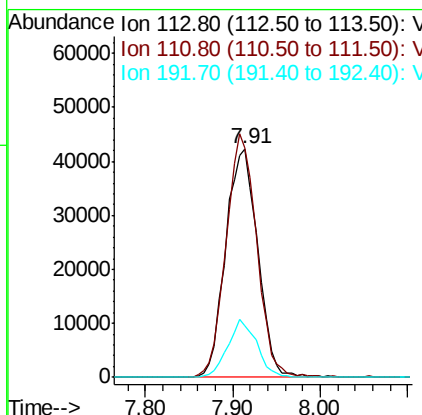
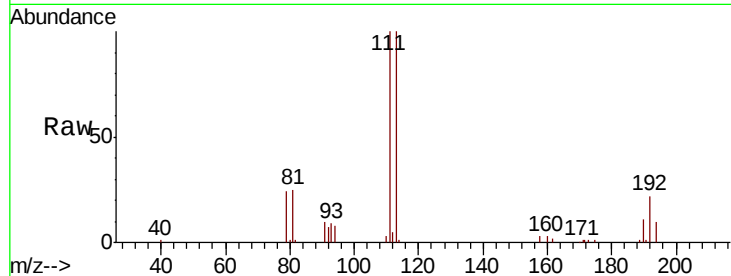




#35
 Dibromofluoromethane
 Concen: 52.346 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066405.D
 Acq: 25 Aug 2020 16:33

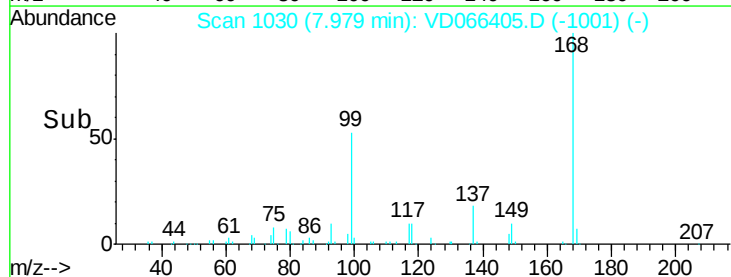
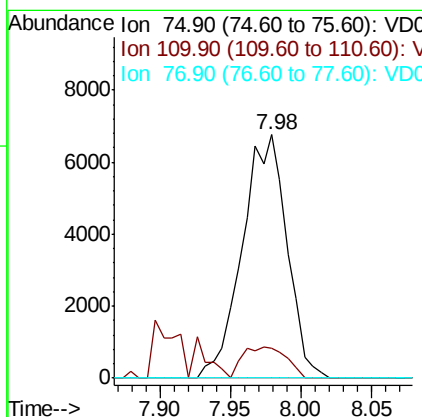
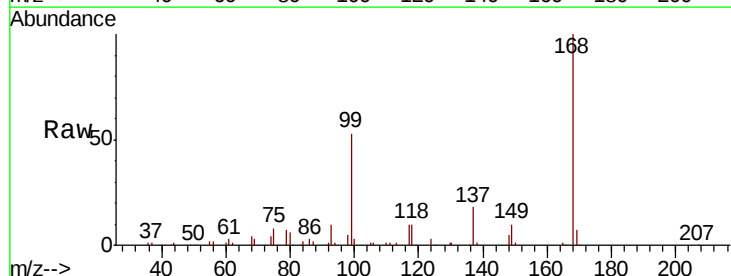
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-06

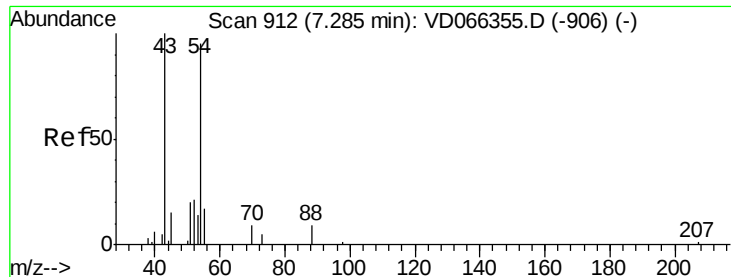
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.3	120.5
192	22.9	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 5.100 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066405.D
 Acq: 25 Aug 2020 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.6	18.7	56.1#
77	0.0	25.2	37.8#

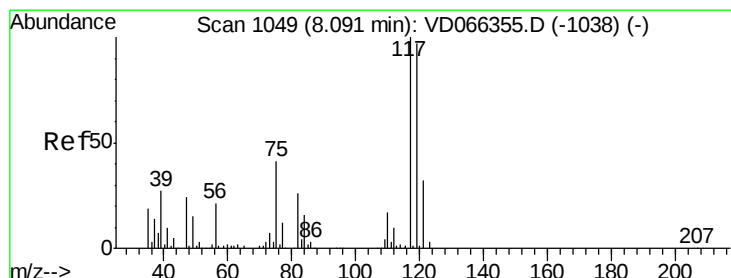
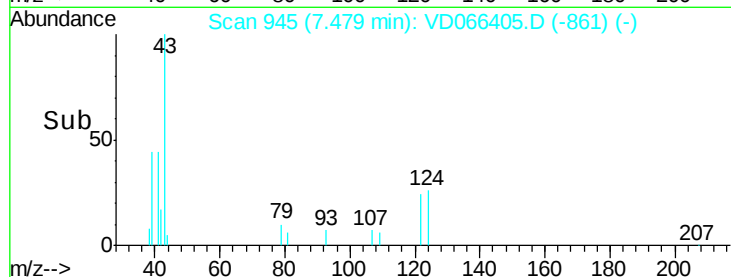
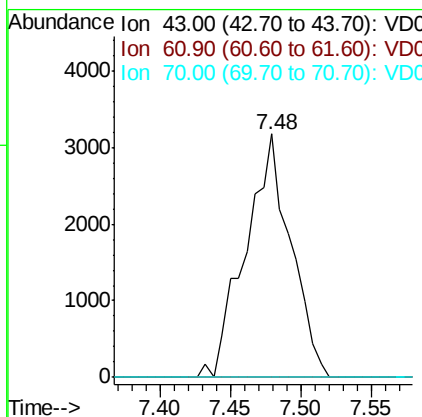
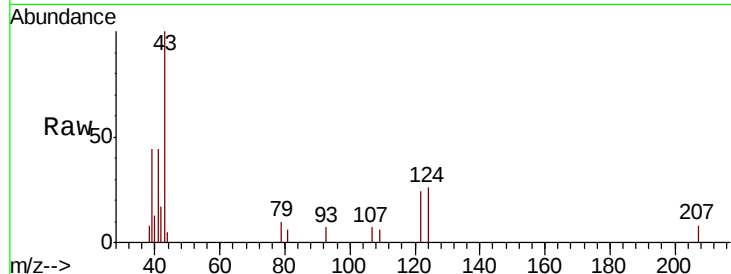




#37
Ethyl Acetate
Concen: 7.118 ug/l
RT: 7.48 min Scan# 945
Delta R.T. 0.19 min
Lab File: VD066405.D
Acq: 25 Aug 2020 16:33

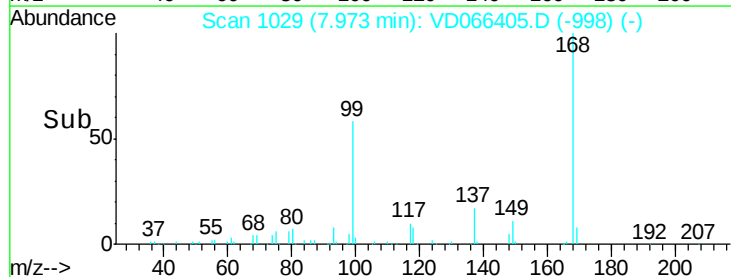
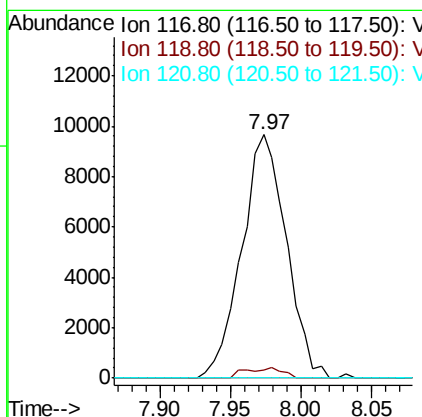
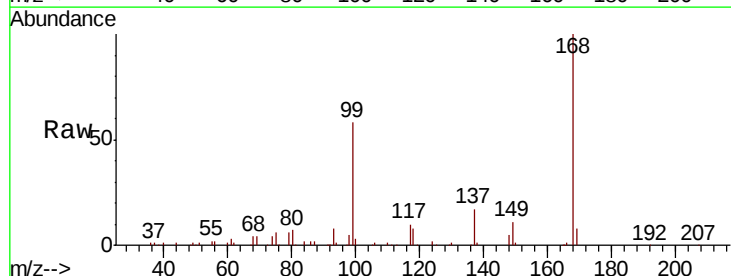
Instrument :
MSVOA_D
ClientSampleId :
RO-06

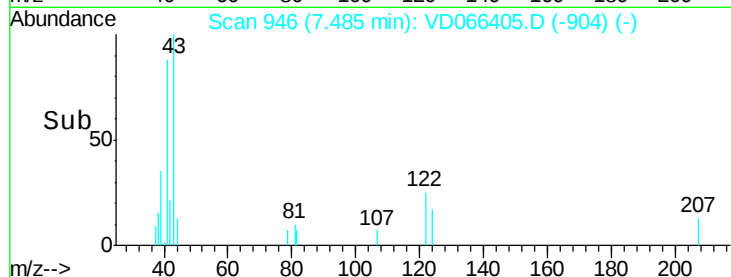
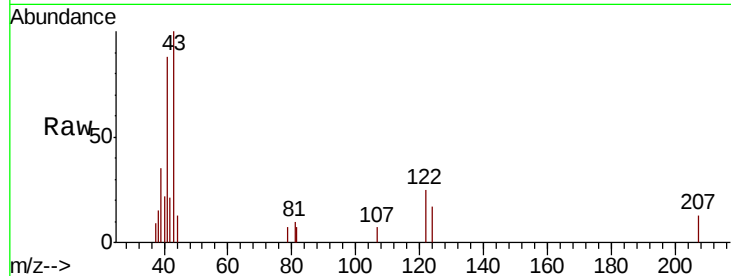
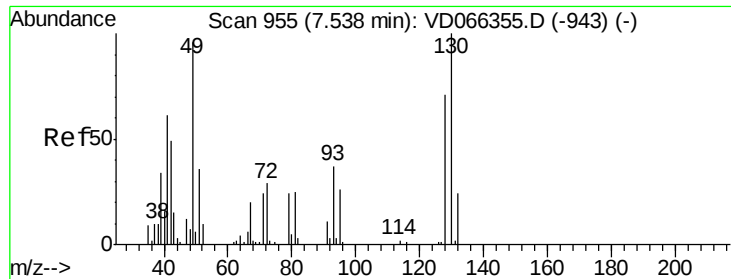
Tot Ion: 43 Resp: 7129
Ion Ratio Lower Upper
43 100
61 0.0 13.3 19.9#
70 0.0 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 5.581 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066405.D
Acq: 25 Aug 2020 16:33

Tgt Ion: 117 Resp: 21411
Ion Ratio Lower Upper
117 100
119 3.2 77.2 115.8#
121 0.0 25.8 38.8#

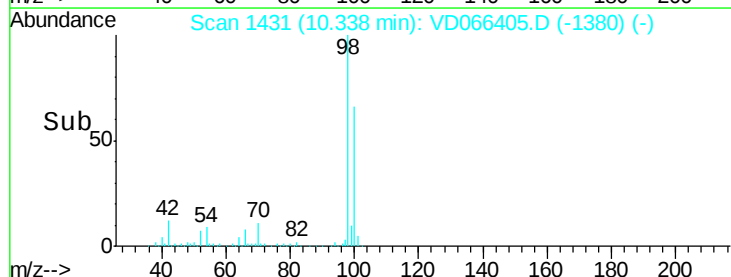
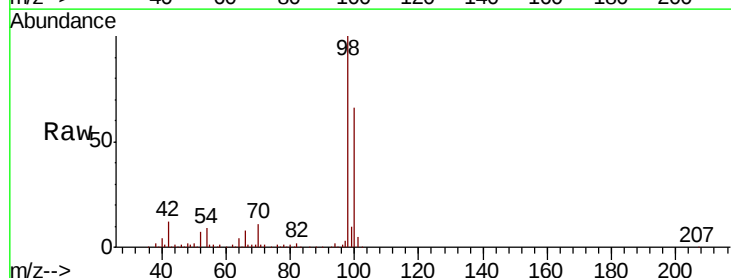
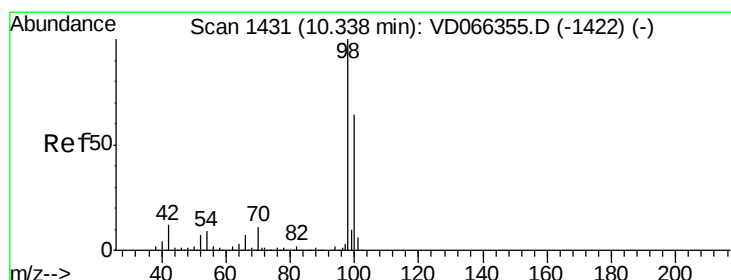
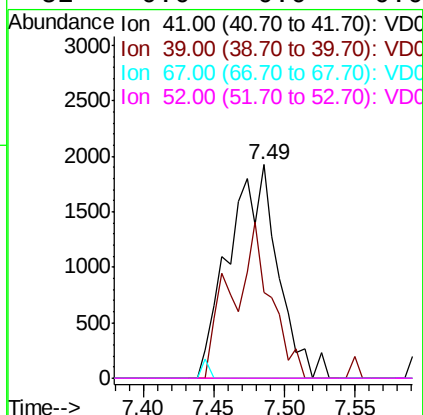




#41
Methacrylonitrile
Concen: 7.568 ug/l
RT: 7.49 min Scan# 946
Delta R.T. -0.05 min
Lab File: VD066405.D
Acq: 25 Aug 2020 16:33

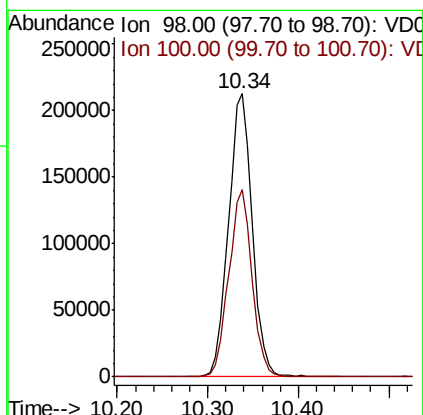
Instrument :
MSVOA_D
ClientSampleId :
RO-06

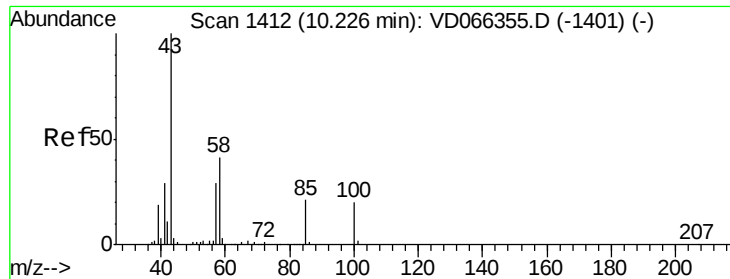
Tot Ion: 41 Resp: 4674
Ion Ratio Lower Upper
41 100
39 36.7 51.8 77.8#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 52.546 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066405.D
Acq: 25 Aug 2020 16:33

Tgt Ion: 98 Resp: 387975
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 2.120 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066405.D

Acq: 25 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampled :

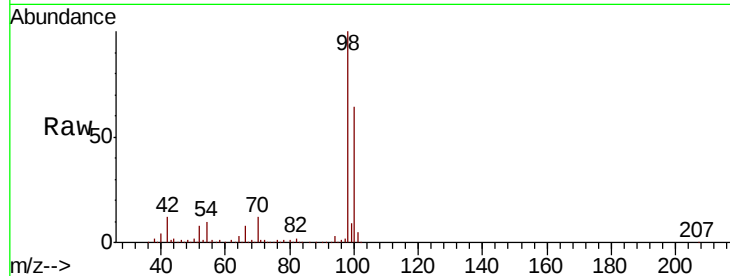
RO-06

Tot Ion: 43 Resp: 2062

Ion Ratio Lower Upper

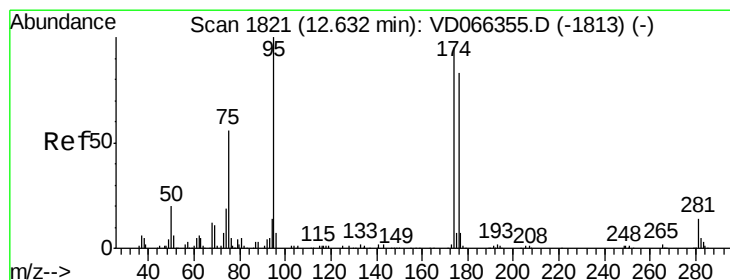
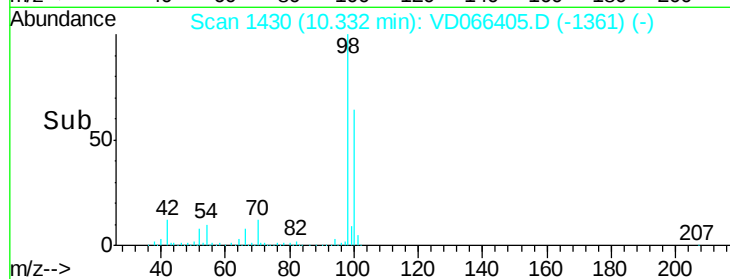
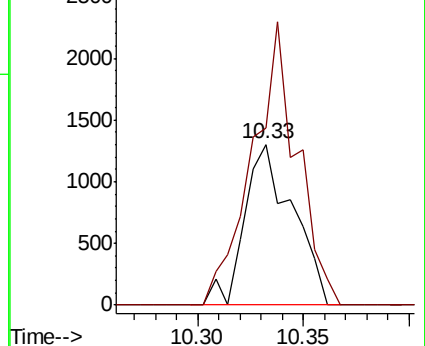
43 100

58 164.5 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 52.580 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066405.D

Acq: 25 Aug 2020 16:33

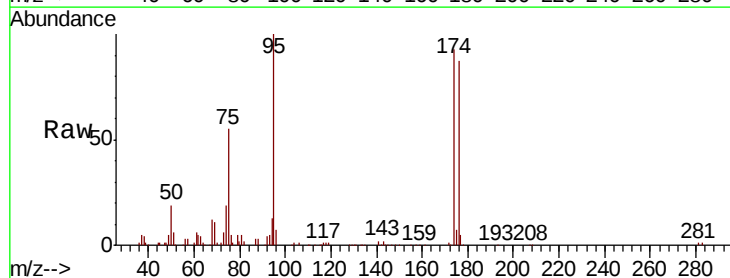
Tgt Ion: 95 Resp: 137758

Ion Ratio Lower Upper

95 100

174 94.0 0.0 183.4

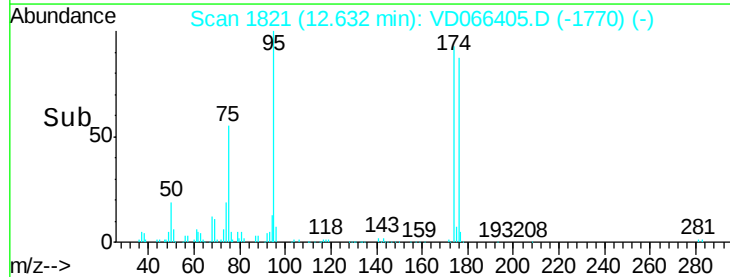
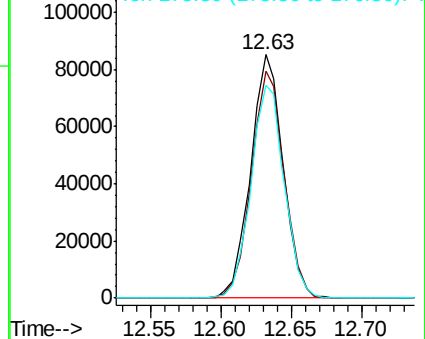
176 89.8 0.0 173.8

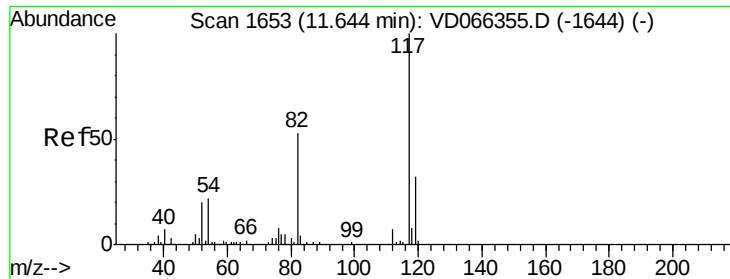


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

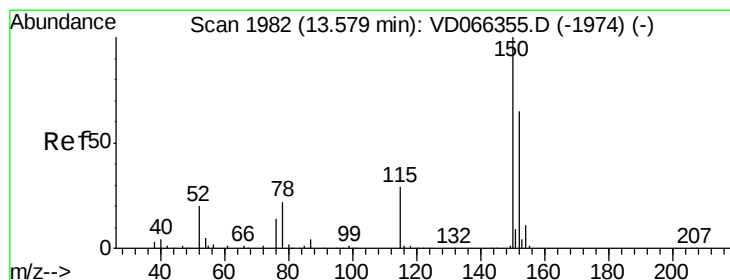
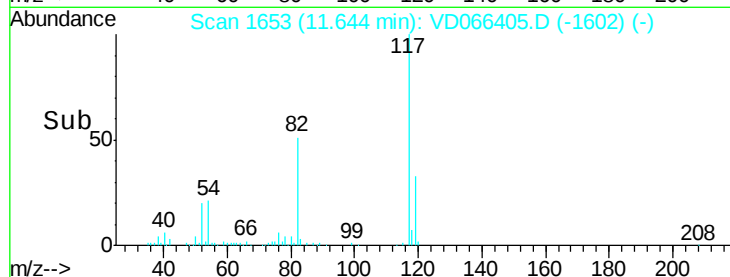
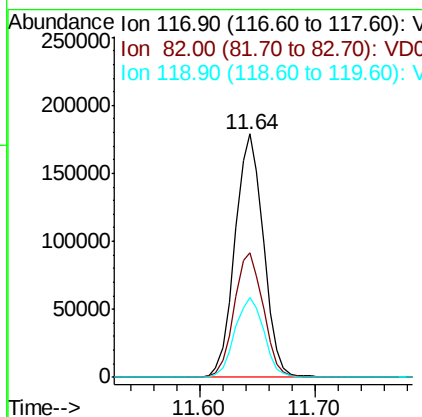
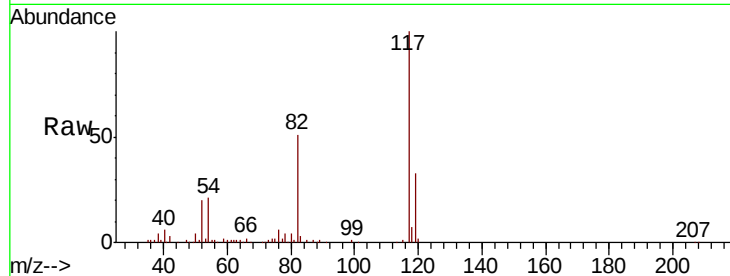




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066405.D
Acq: 25 Aug 2020 16:33

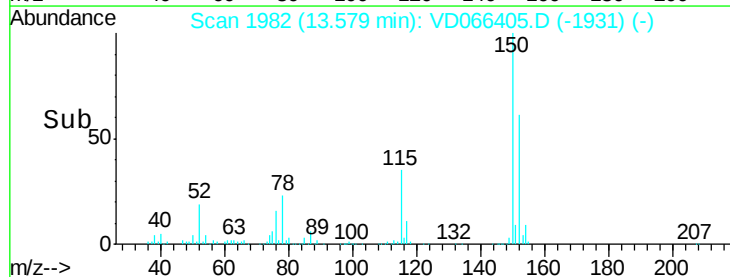
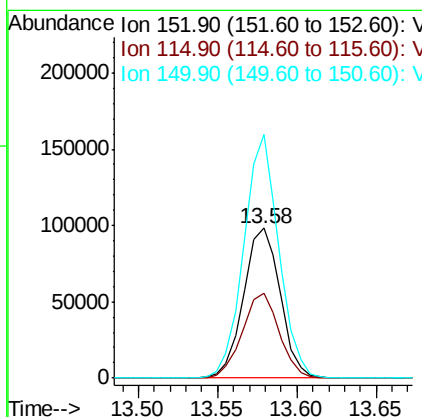
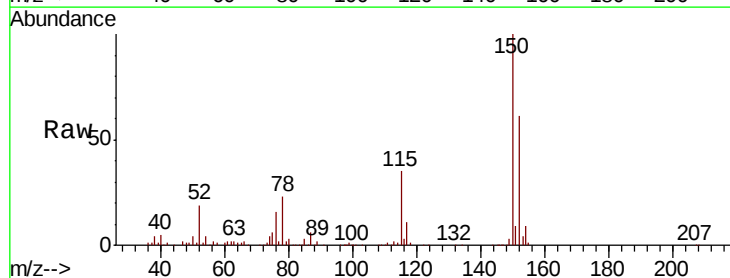
Instrument :
MSVOA_D
ClientSampleID :
RO-06

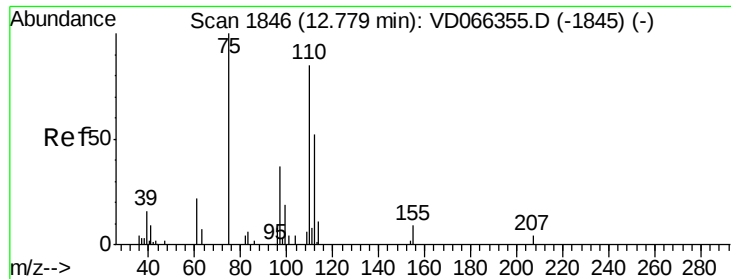
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.8	64.2
119	32.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066405.D
Acq: 25 Aug 2020 16:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.3	85.0
150	153.8	0.0	343.2





#76

1,2,3-Trichloropropane

Concen: 69.417 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066405.D

Acq: 25 Aug 2020 16:33

Instrument :

MSVOA_D

ClientSampled :

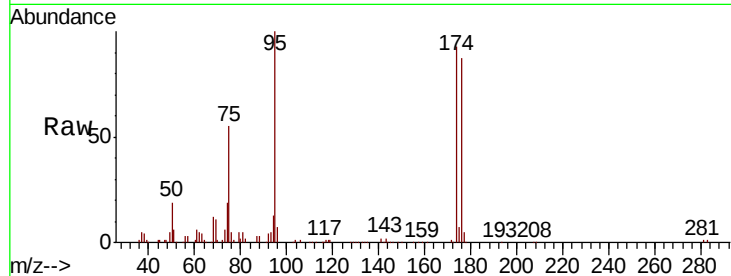
RO-06

Tot Ion: 75 Resp: 77472

Ion Ratio Lower Upper

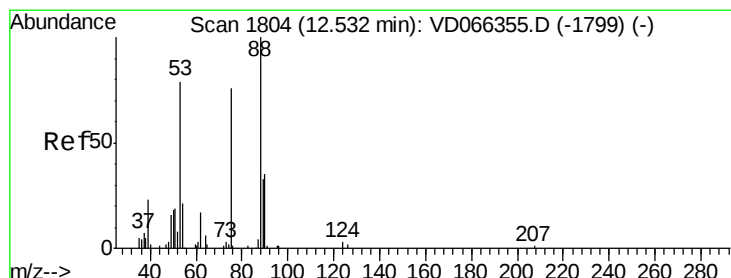
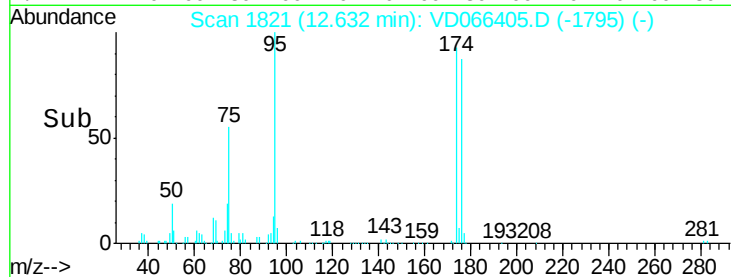
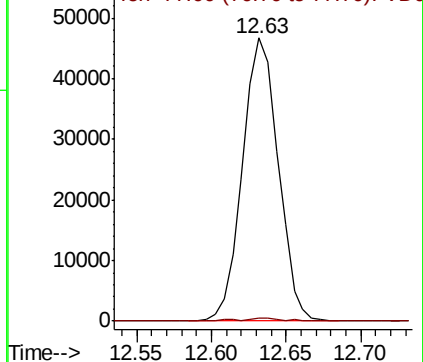
75 100

77 1.1 182.9 548.9#



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: 147.350 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066405.D

Acq: 25 Aug 2020 16:33

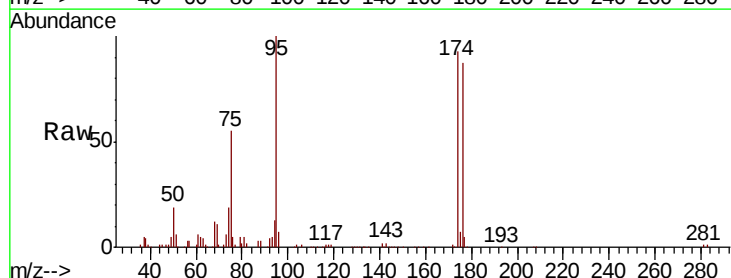
Tgt Ion: 75 Resp: 77472

Ion Ratio Lower Upper

75 100

53 0.1 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

