

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066119.D
 Acq On : 30 Jul 2020 18:48
 Operator : VA/SY
 Sample : L3507-01
 Misc : 8.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-073020

Quant Time: Jul 31 02:12:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	255111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	391600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	413015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	104221	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.91	113	114777	48.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	10.34	98	479760	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.64	95	195150	63.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.22%	

Target Compounds

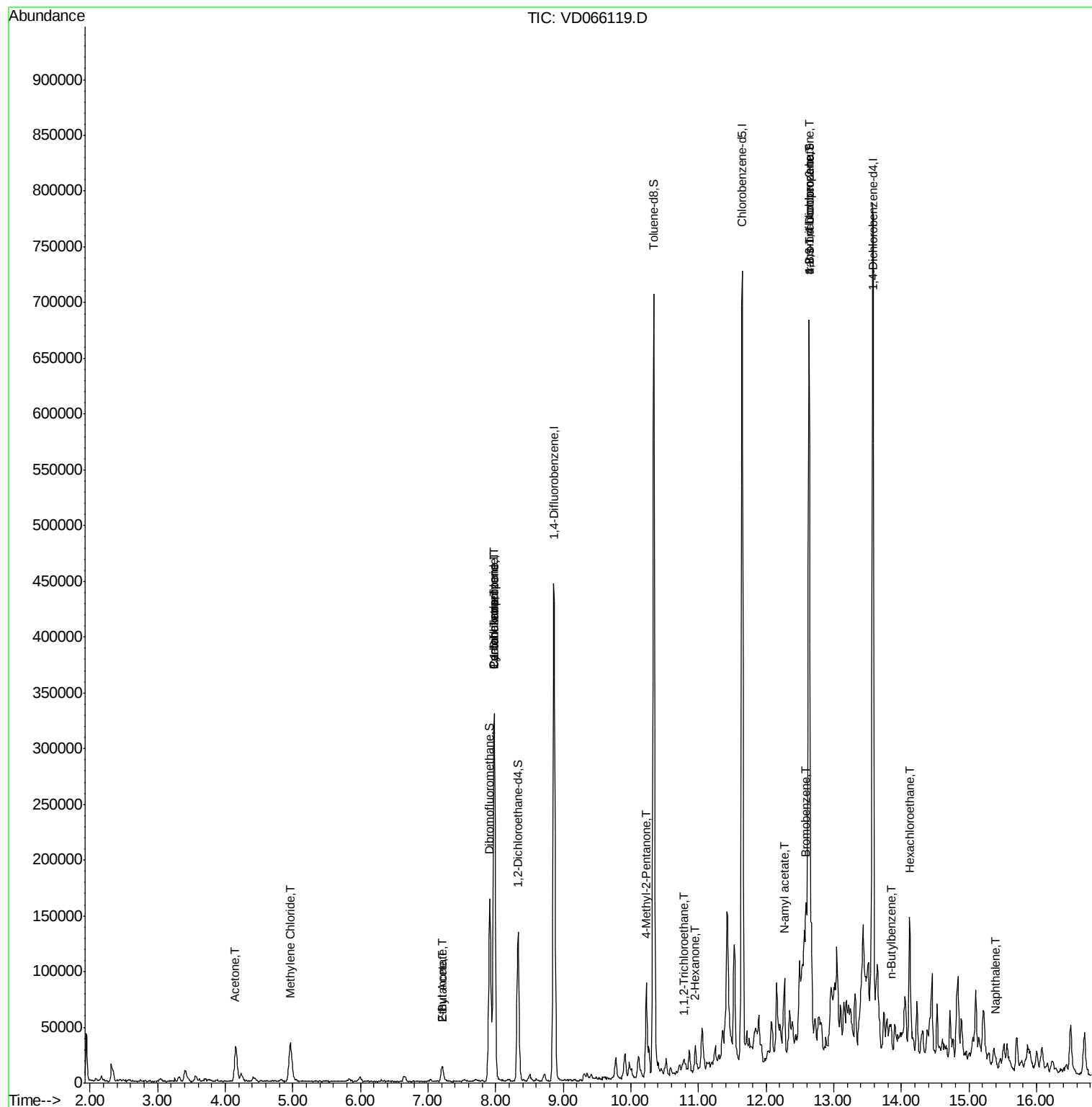
					Qvalue	
5) Bromomethane	2.76	94	55	Below Cal	#	4
16) Acetone	4.15	43	56581	134.661	ug/l	94
20) Methylene Chloride	4.96	84	26009	8.749	ug/l	93
25) 2-Butanone	7.21	43	22467	40.297	ug/l	100
31) Cyclohexane	7.98	56	5544	1.485	ug/l #	35
36) 1,1-Dichloropropene	7.97	75	16640	4.979	ug/l #	50
37) Ethyl Acetate	7.21	43	22467	17.602	ug/l #	67
38) Carbon Tetrachloride	7.98	117	24798	6.838	ug/l #	15
51) 4-Methyl-2-Pentanone	10.23	43	53525	42.613	ug/l	99
55) 1,1,2-Trichloroethane	10.77	97	3089	1.787	ug/l #	24
59) 2-Hexanone	10.96	43	11960	13.740	ug/l #	26
74) N-amyl acetate	12.27	43	20192	8.047	ug/l #	68
76) 1,2,3-Trichloropropane	12.64	75	100516	66.751	ug/l #	100
77) Bromobenzene	12.60	156	25561	8.265	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	100516	153.170	ug/l #	11
89) n-Butylbenzene	13.85	91	10309	1.018	ug/l #	75
90) Hexachloroethane	14.13	117	6259	2.777	ug/l #	7
95) Naphthalene	15.40	128	5200	4.308	ug/l #	87

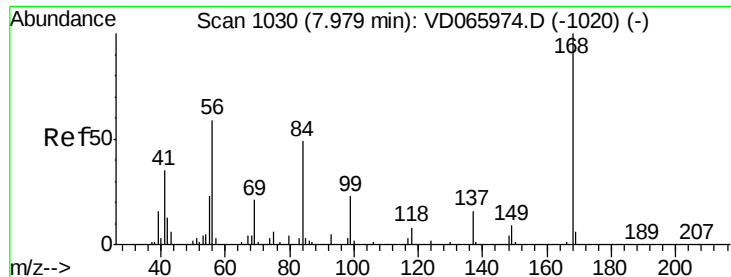
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 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: VD066119.D

Acq: 30 Jul 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

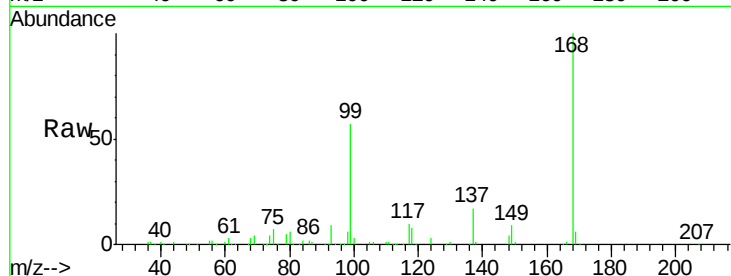
SU-01-073020

Tot Ion:168 Resp: 255111

Ion Ratio Lower Upper

168 100

99 56.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

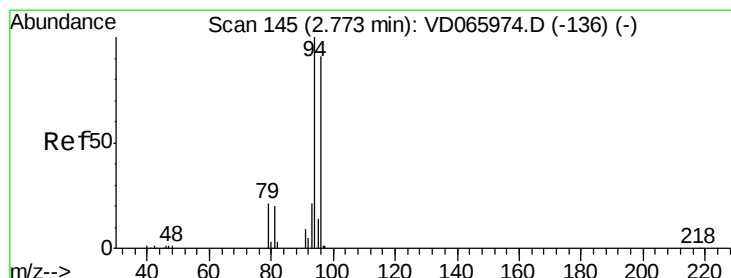
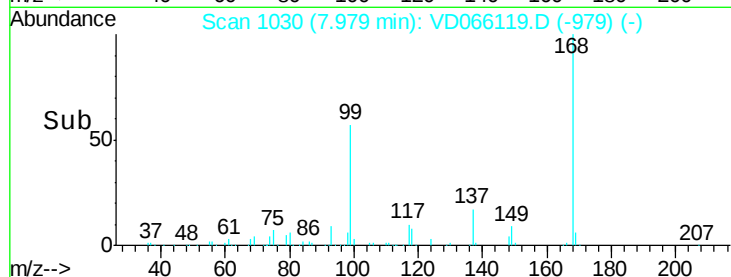
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066119.D

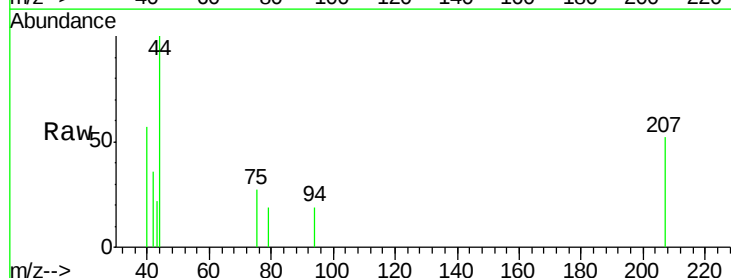
Acq: 30 Jul 2020 18:48

Tgt Ion: 94 Resp: 55

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

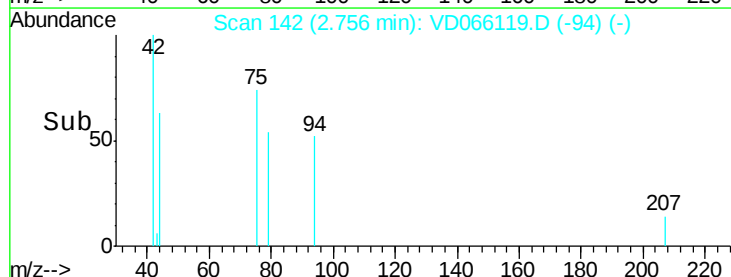
150

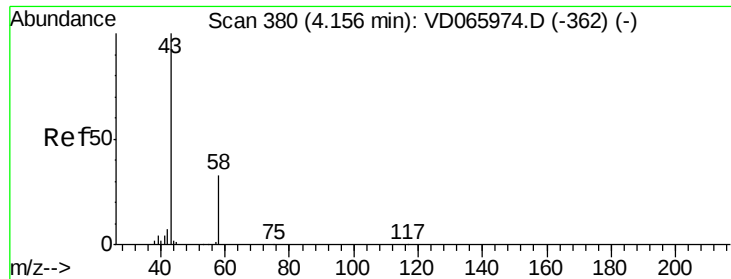
100

50

0

Time-->

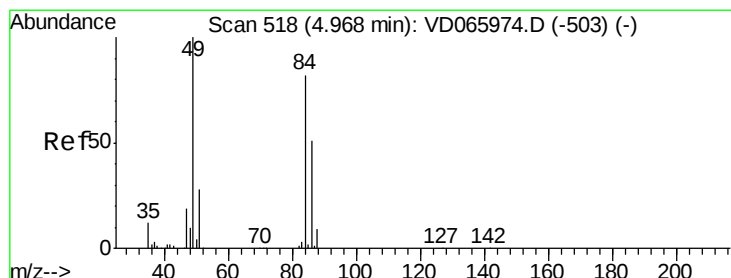
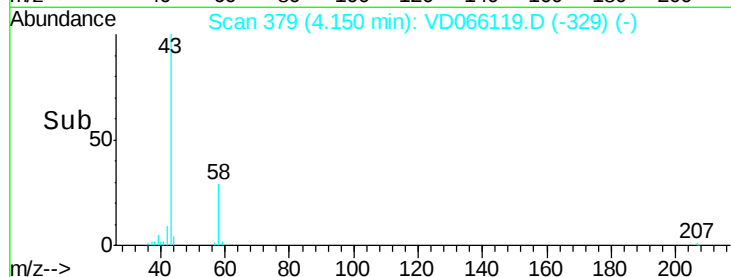
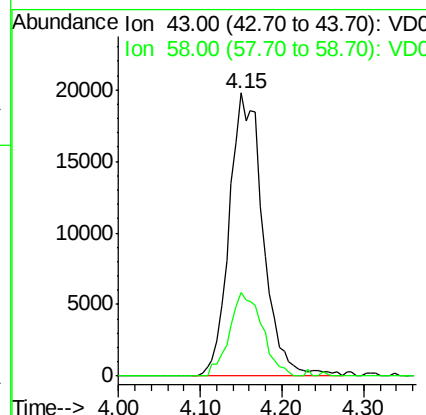
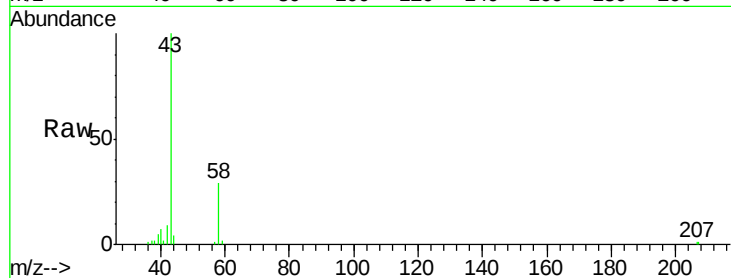




#16
Acetone
Concen: 134.661 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

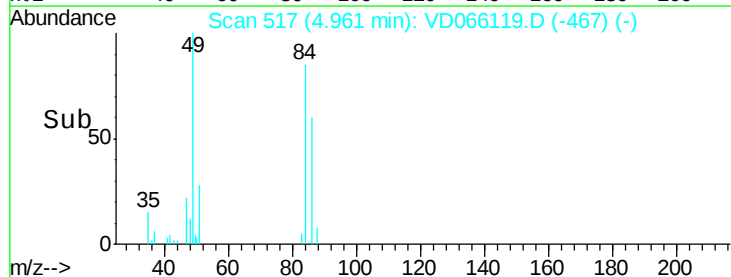
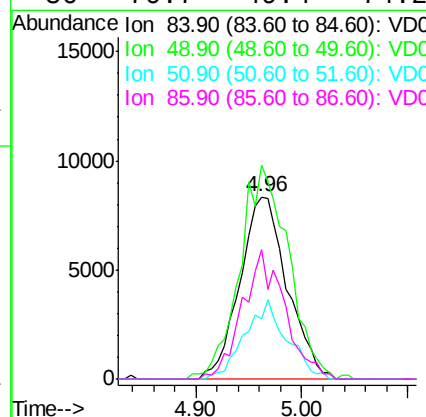
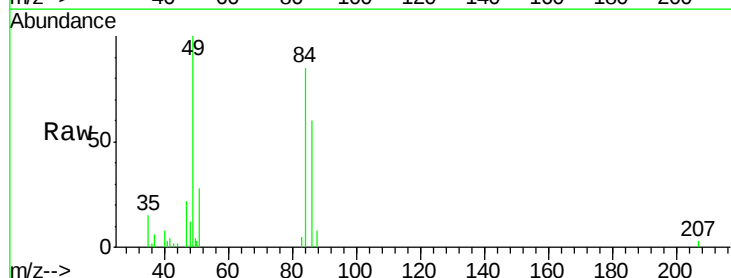
Instrument :
MSVOA_D
ClientSampleId :
SU-01-073020

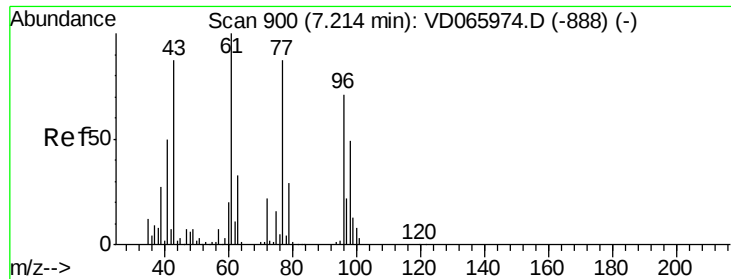
Tot Ion: 43 Resp: 56581
Ion Ratio Lower Upper
43 100
58 29.4 26.3 39.5



#20
Methylene Chloride
Concen: 8.749 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Tgt Ion: 84 Resp: 26009
Ion Ratio Lower Upper
84 100
49 114.9 97.7 146.5
51 33.0 27.4 41.2
86 70.7 49.4 74.2

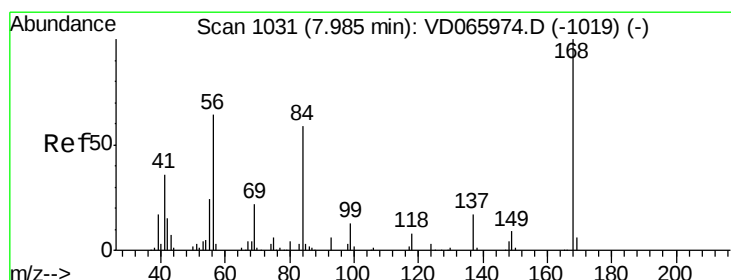
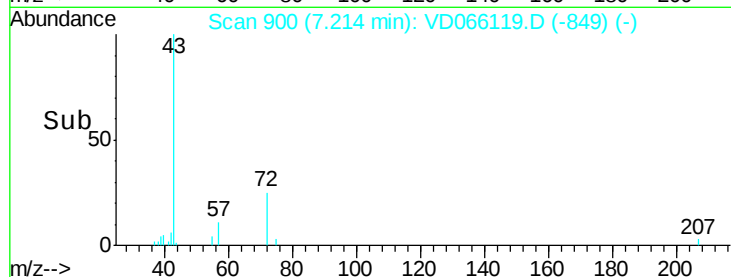
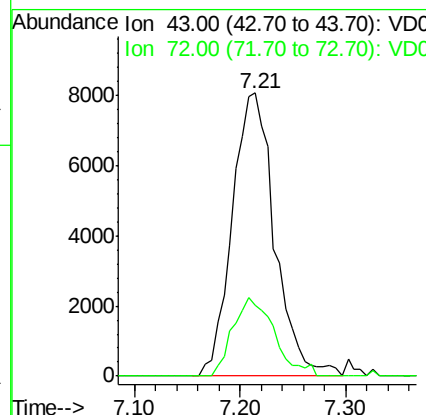
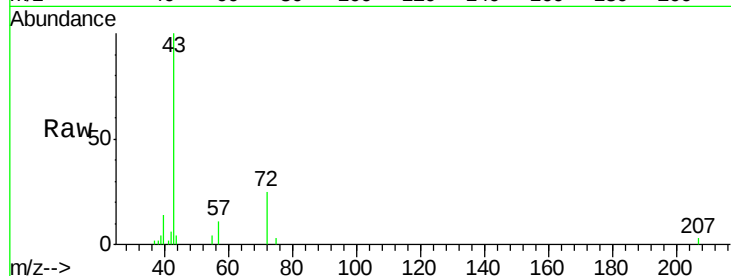




#25
2-Butanone
Concen: 40.297 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

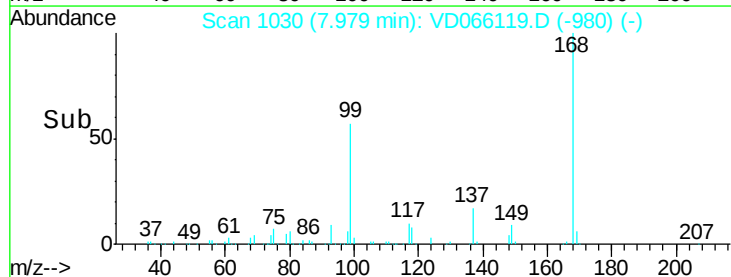
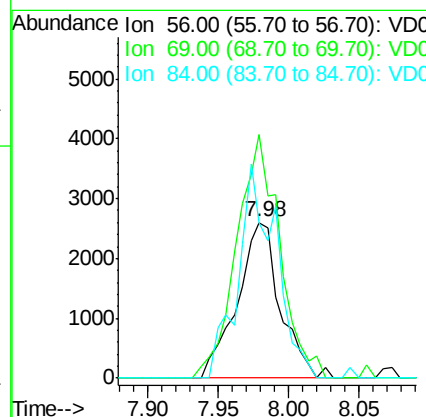
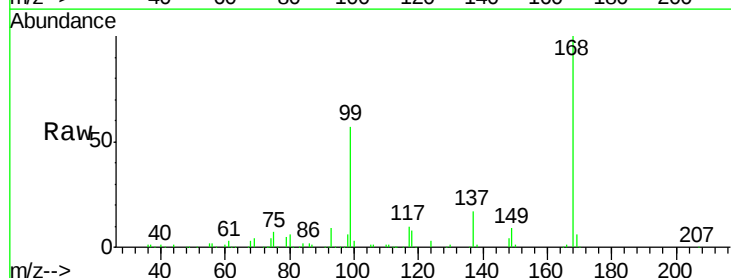
Instrument :
MSVOA_D
ClientSampleId :
SU-01-073020

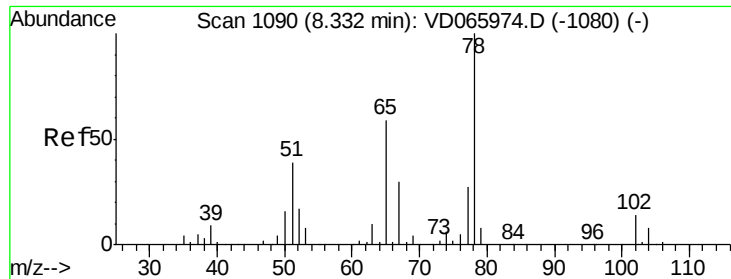
Tot Ion: 43 Resp: 22467
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.2



#31
Cyclohexane
Concen: 1.485 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Tgt Ion: 56 Resp: 5544
Ion Ratio Lower Upper
56 100
69 156.3 28.0 42.0#
84 99.6 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 50.207 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066119.D

Acq: 30 Jul 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

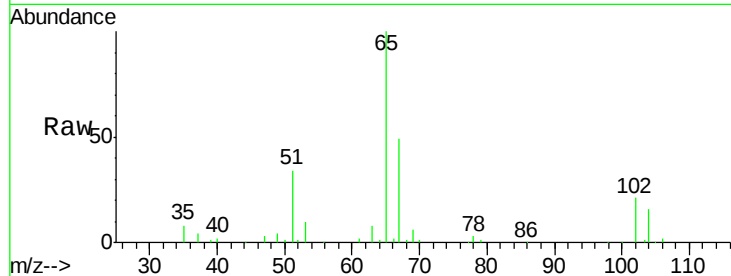
SU-01-073020

Tot Ion: 65 Resp: 104221

Ion Ratio Lower Upper

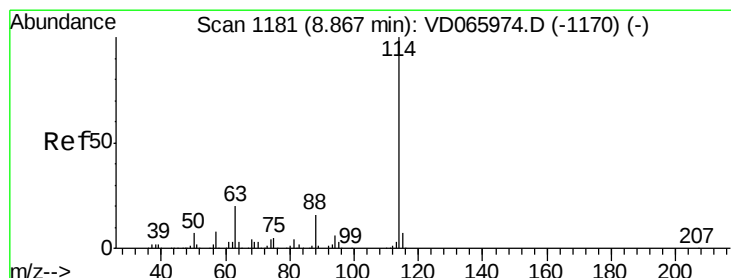
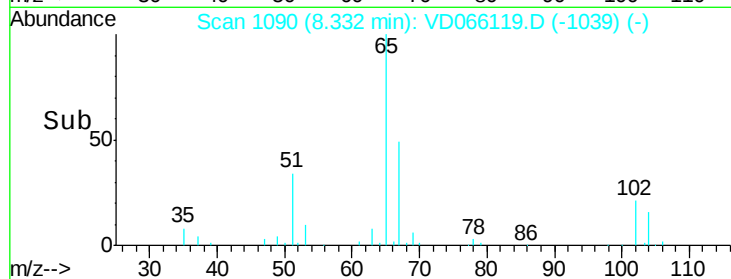
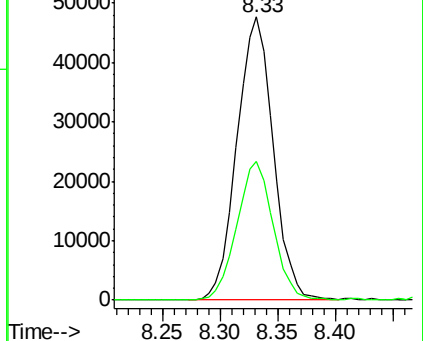
65 100

67 49.1 0.0 105.0



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: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD066119.D

Acq: 30 Jul 2020 18:48

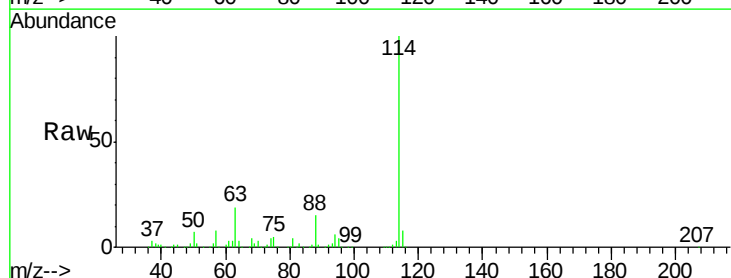
Tgt Ion:114 Resp: 391600

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

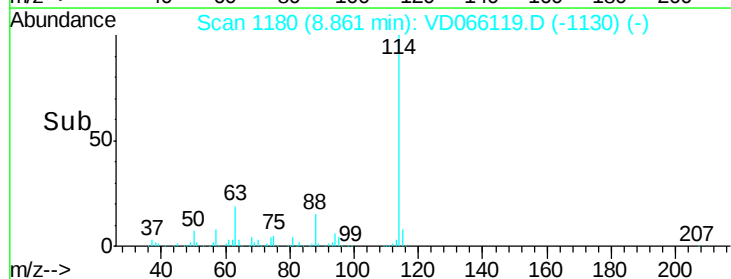
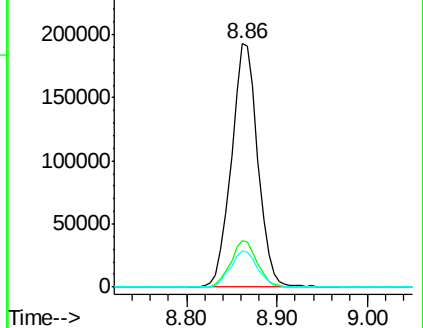
88 14.9 0.0 31.2

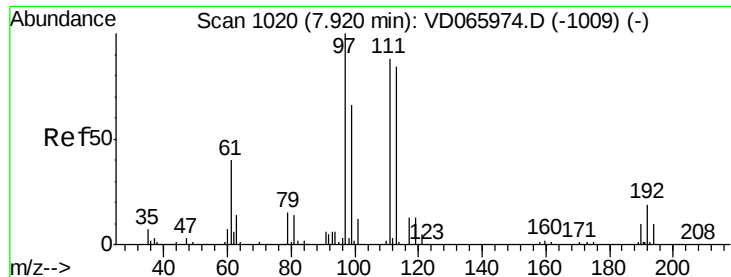


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

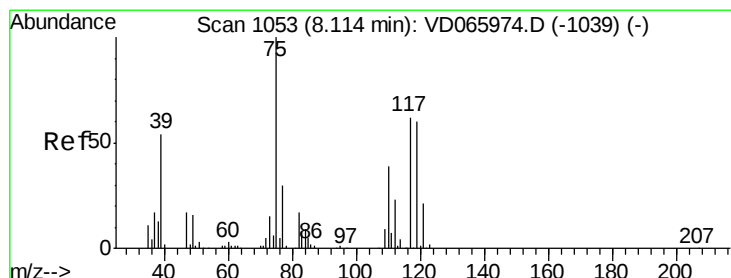
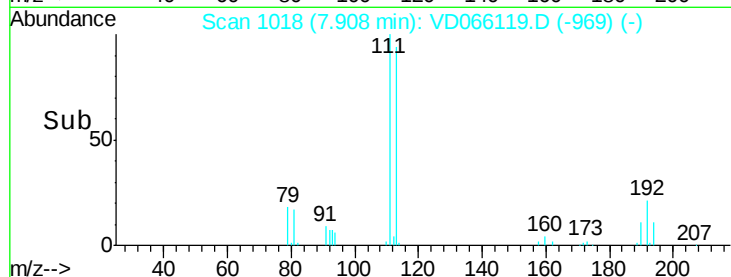
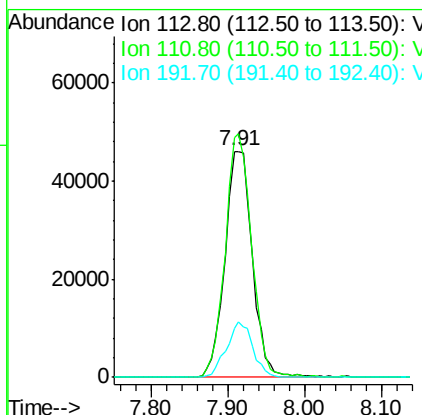
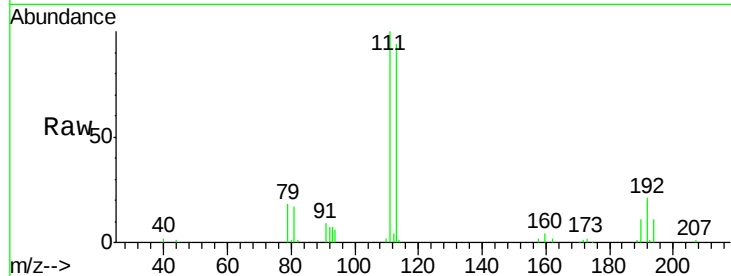




#35
 Dibromofluoromethane
 Concen: 48.324 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066119.D
 Acq: 30 Jul 2020 18:48

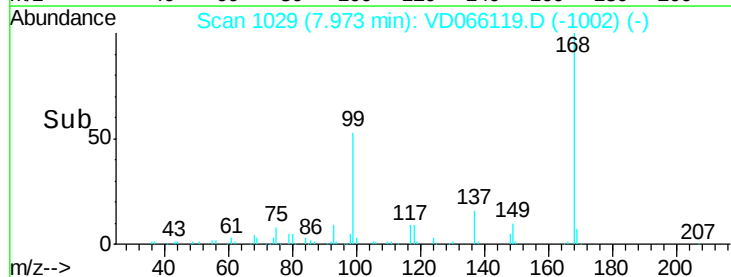
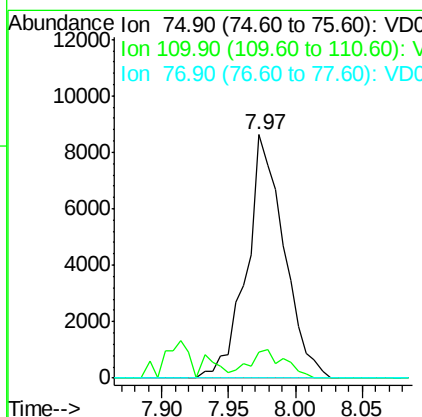
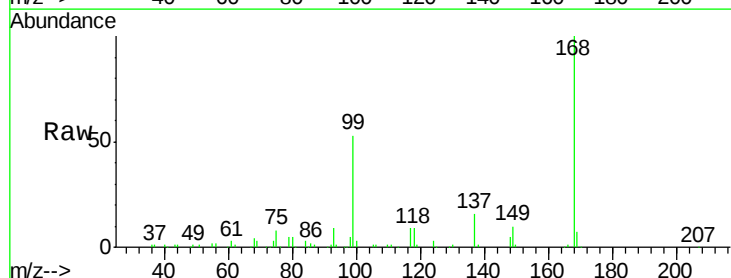
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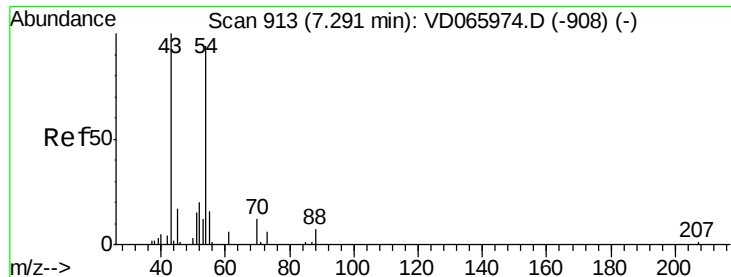
Tot Ion:113 Resp: 114777
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.2 124.8
 192 23.3 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066119.D
 Acq: 30 Jul 2020 18:48

Tgt Ion: 75 Resp: 16640
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.5 58.5#
 77 0.0 24.7 37.1#

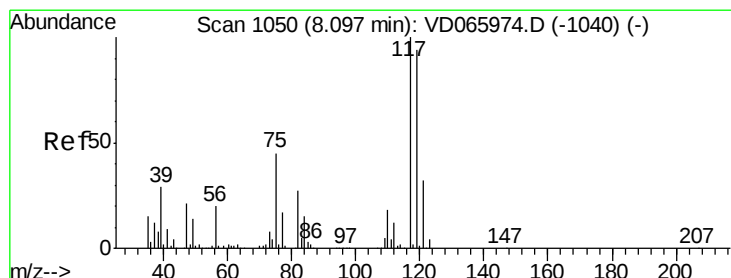
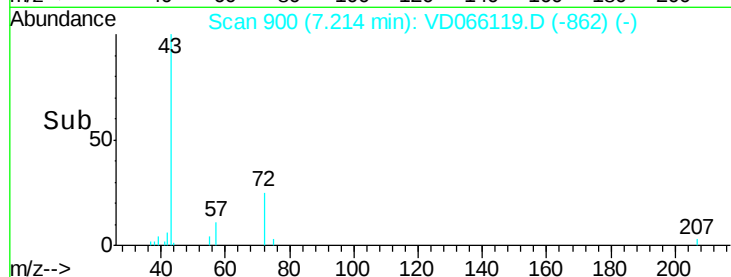
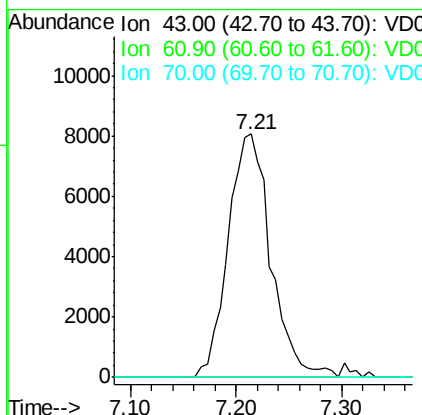
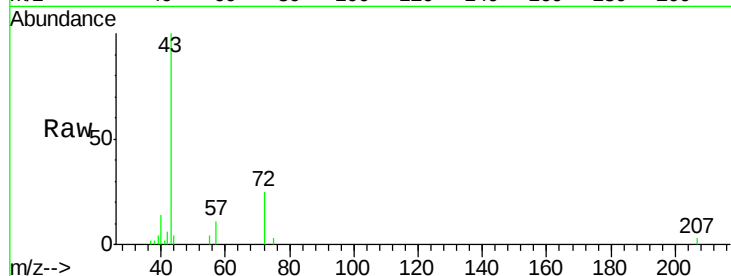




#37
Ethyl Acetate
Concen: 17.602 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

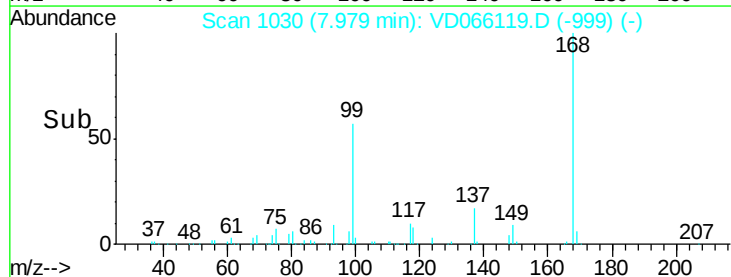
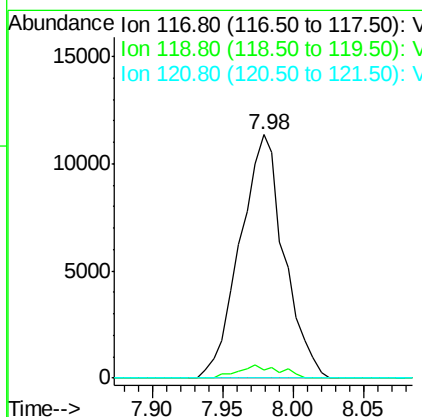
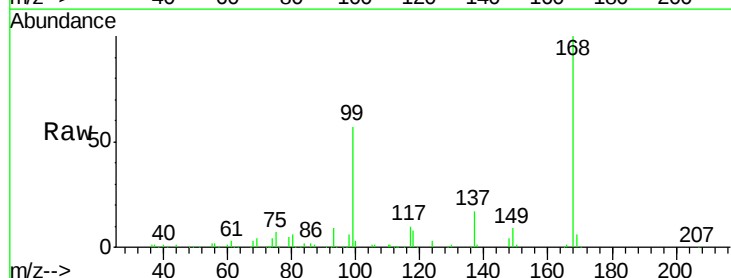
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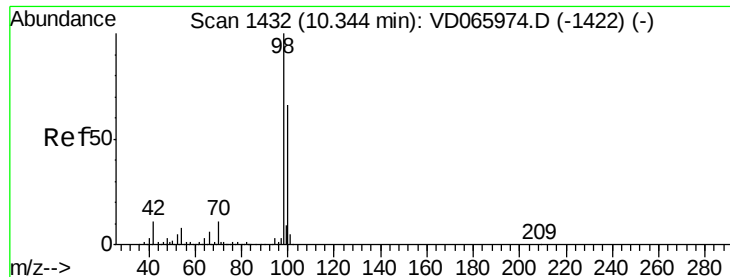
Tot Ion: 43 Resp: 22467
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.838 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Tgt Ion: 117 Resp: 24798
Ion Ratio Lower Upper
117 100
119 3.4 75.0 112.6#
121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 54.221 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD066119.D

Acq: 30 Jul 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

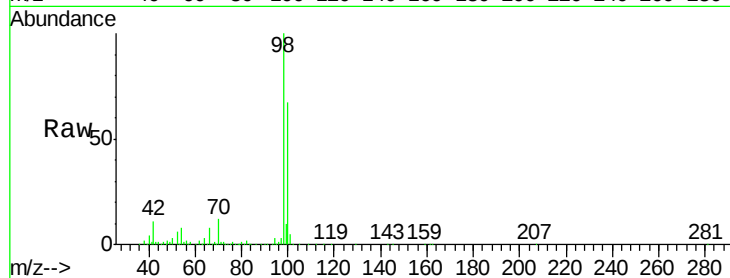
SU-01-073020

Tot Ion: 98 Resp: 479760

Ion Ratio Lower Upper

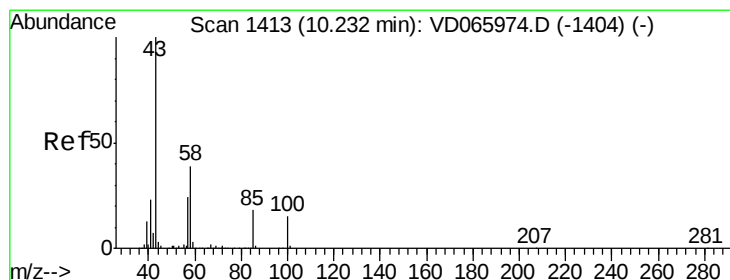
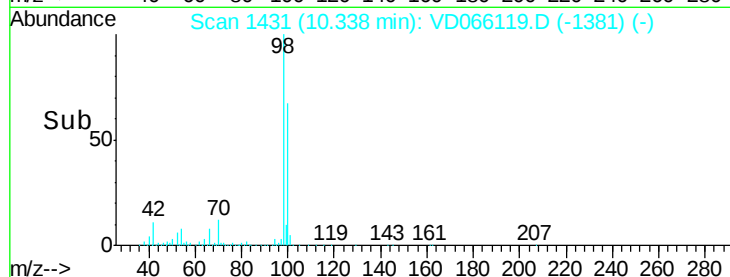
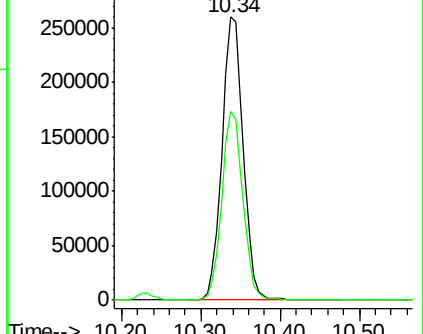
98 100

100 66.6 52.7 79.1



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: 42.613 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD066119.D

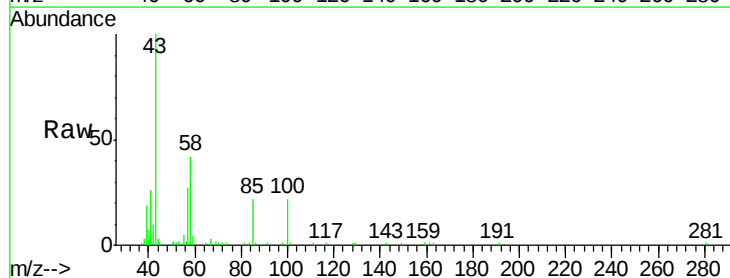
Acq: 30 Jul 2020 18:48

Tgt Ion: 43 Resp: 53525

Ion Ratio Lower Upper

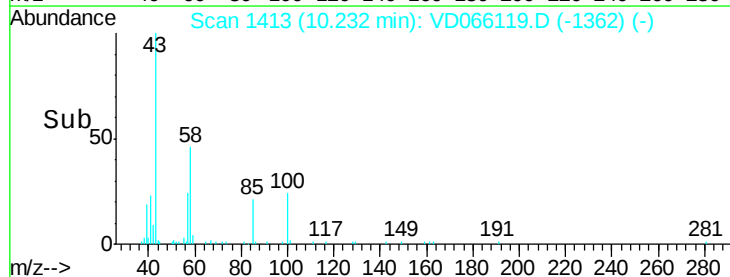
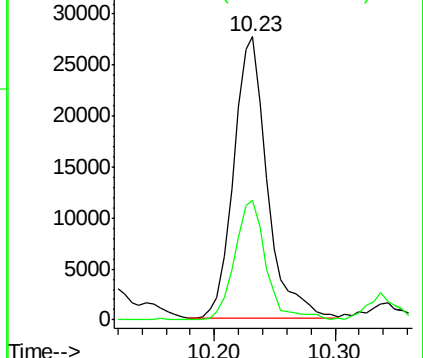
43 100

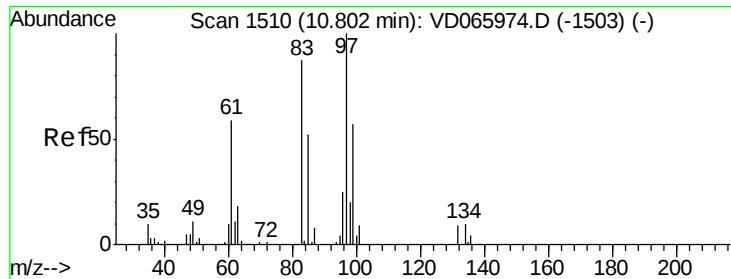
58 39.6 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

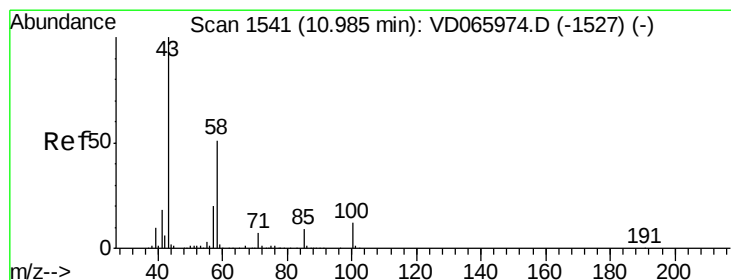
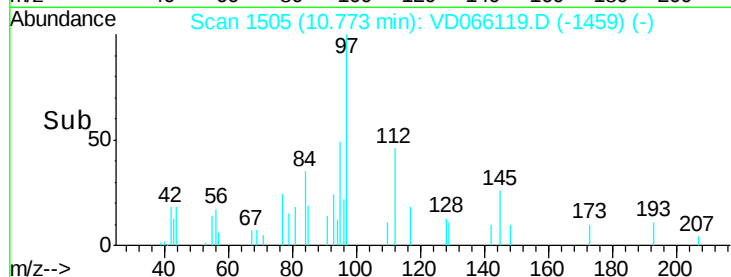
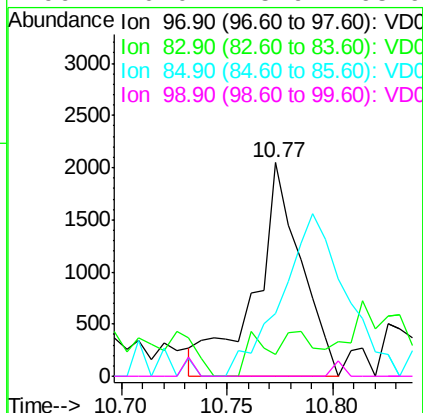
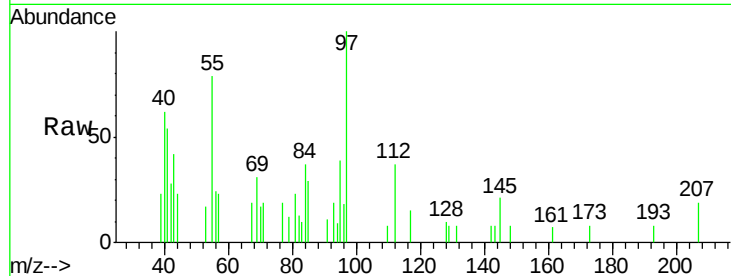




#55
 1,1,2-Trichloroethane
 Concen: 1.787 ug/l
 RT: 10.77 min Scan# 1505
 Delta R.T. -0.03 min
 Lab File: VD066119.D
 Acq: 30 Jul 2020 18:48

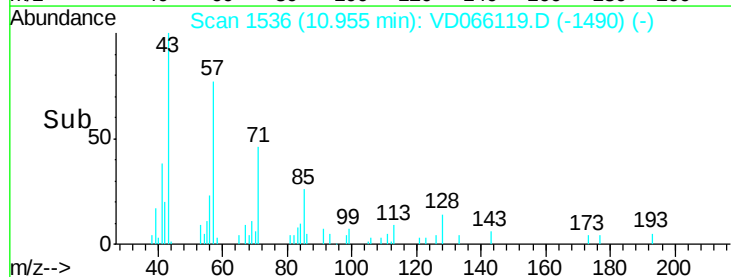
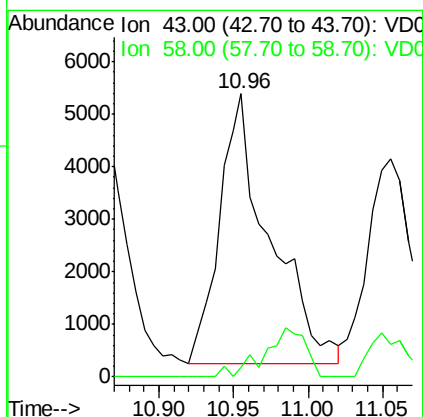
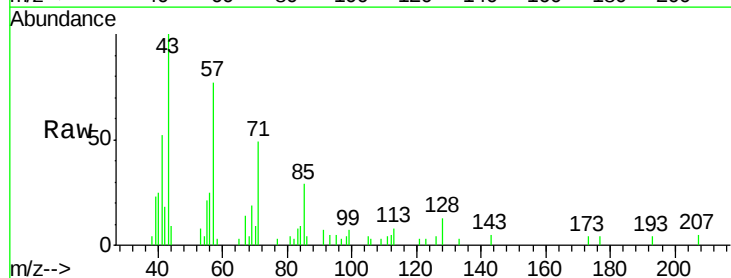
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-073020

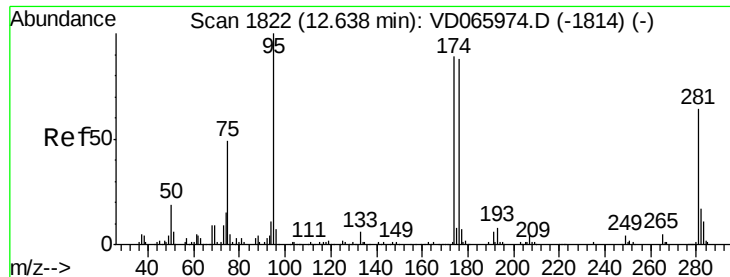
Tot Ion: 97 Resp: 3089
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.7 104.5#
 85 20.8 41.6 62.4#
 99 0.0 45.9 68.9#



#59
 2-Hexanone
 Concen: 13.740 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. -0.03 min
 Lab File: VD066119.D
 Acq: 30 Jul 2020 18:48

Tgt Ion: 43 Resp: 11960
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 78.6#





#62

4-Bromofluorobenzene

Concen: 63.608 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066119.D

Acq: 30 Jul 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

SU-01-073020

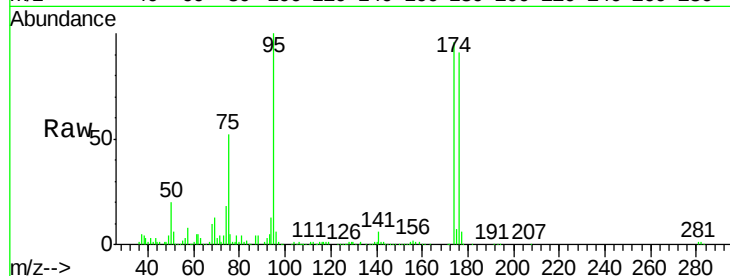
Tot Ion: 95 Resp: 195150

Ion Ratio Lower Upper

95 100

174 92.4 0.0 178.8

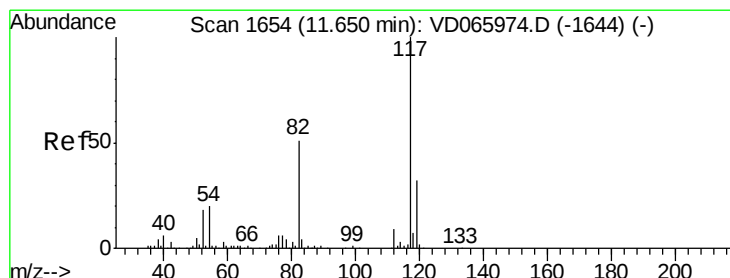
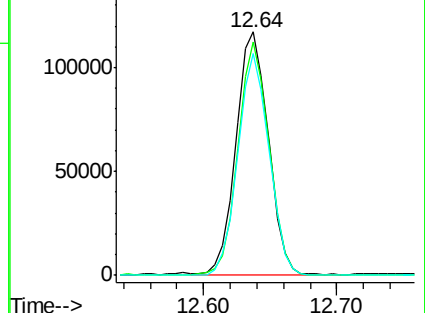
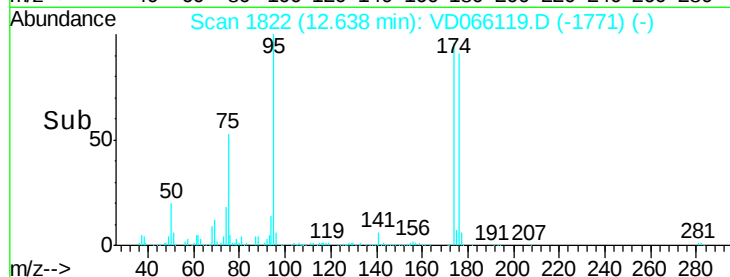
176 88.2 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VD066119.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD066119.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD066119.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD066119.D

Acq: 30 Jul 2020 18:48

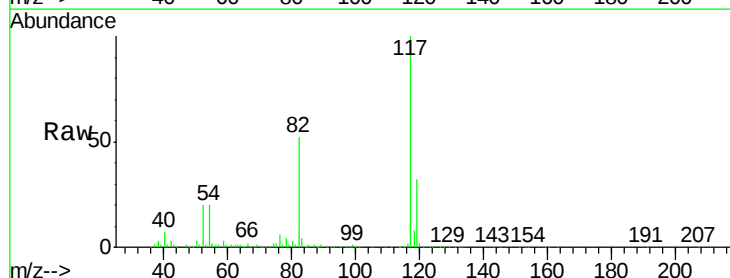
Tgt Ion: 117 Resp: 413015

Ion Ratio Lower Upper

117 100

82 51.9 41.1 61.7

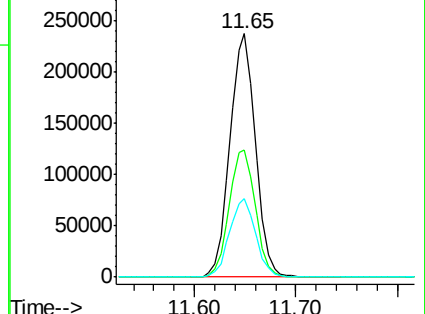
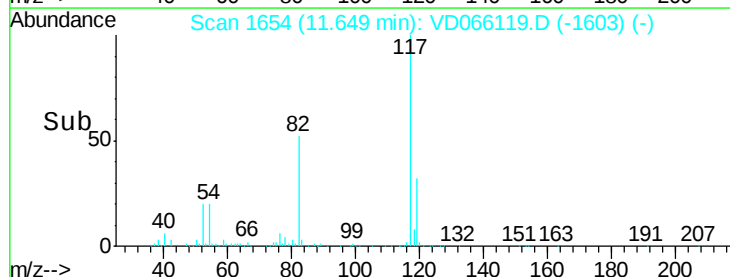
119 32.0 25.9 38.9

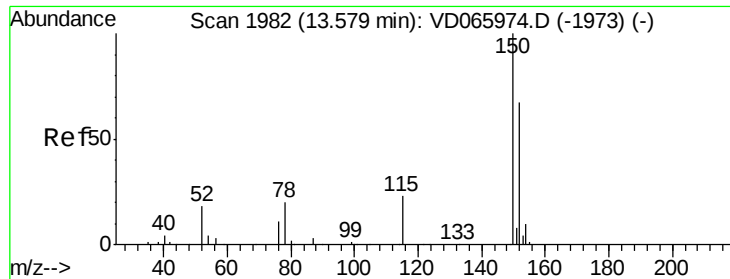


Abundance Ion 116.90 (116.60 to 117.60): VD066119.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD066119.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD066119.D (-1603) (-)



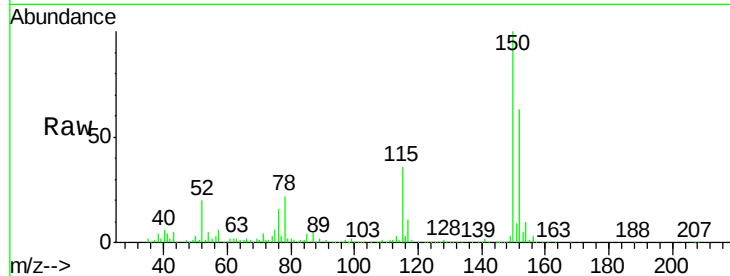


#72

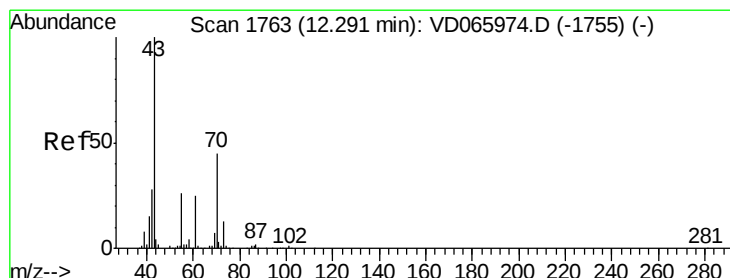
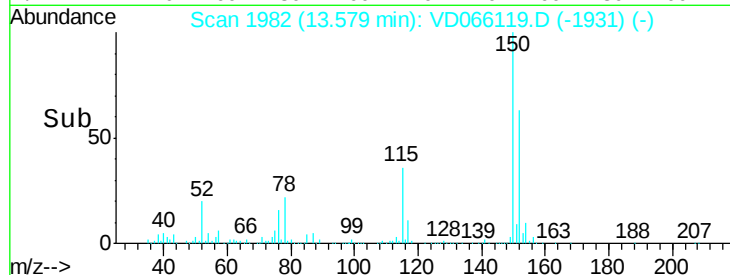
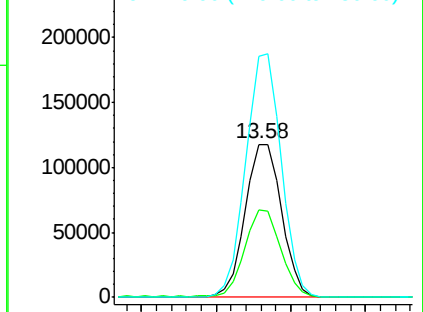
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
SU-01-073020

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	27.9	83.7
150	154.5	0.0	348.2



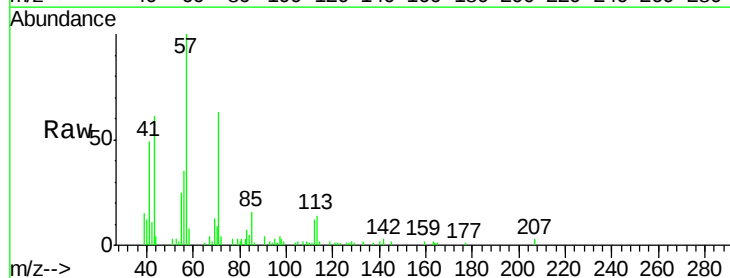
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



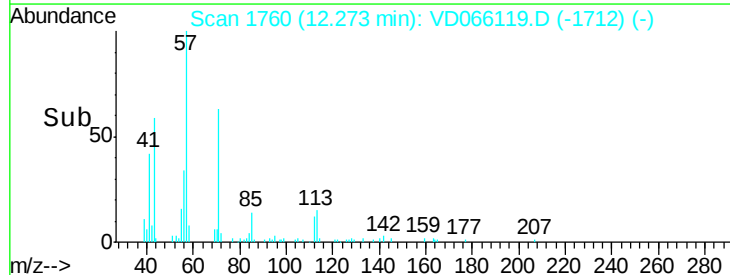
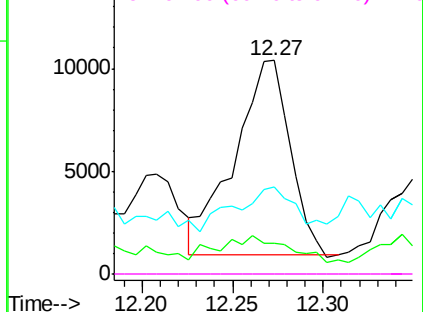
#74

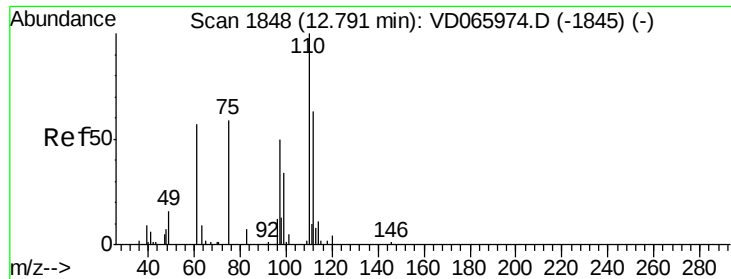
N-ethyl acetate
Concen: 8.047 ug/l
RT: 12.27 min Scan# 1760
Delta R.T. -0.02 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	16.8	34.6	51.8#
55	24.5	20.3	30.5
61	0.0	19.5	29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 61.00 (60.70 to 61.70): VDC

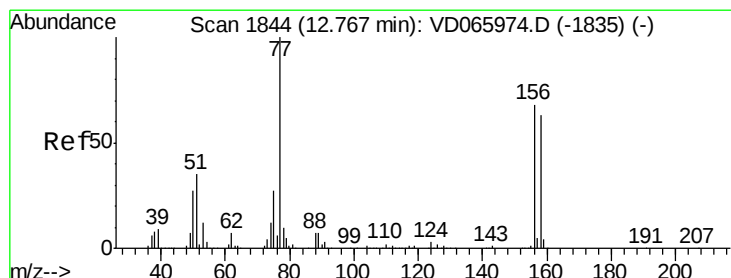
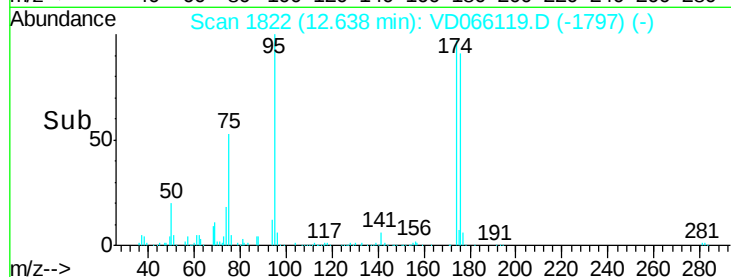
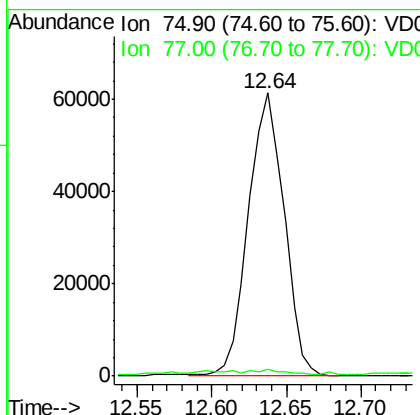
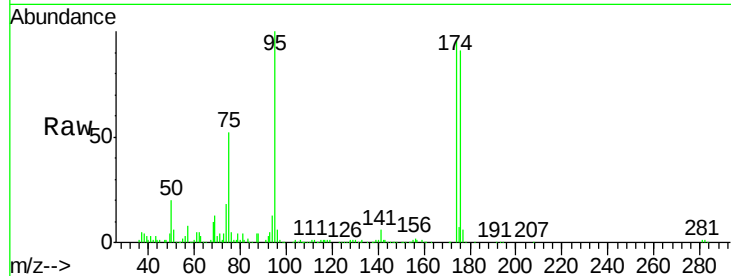




#76
 1,2,3-Trichloropropane
 Concen: 66.751 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066119.D
 Acq: 30 Jul 2020 18:48

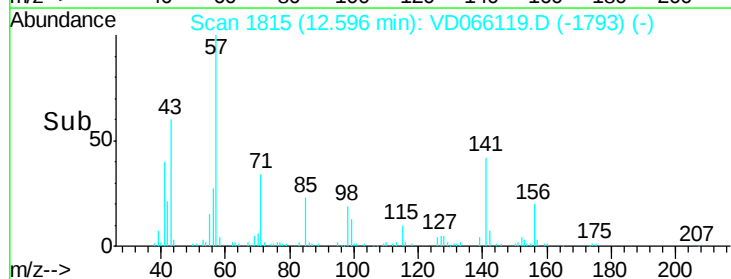
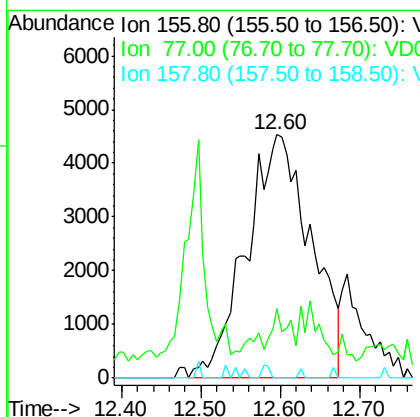
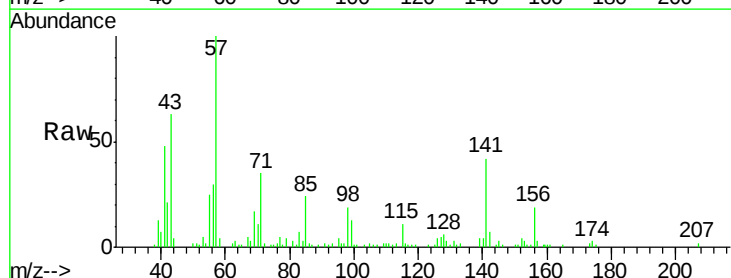
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-073020

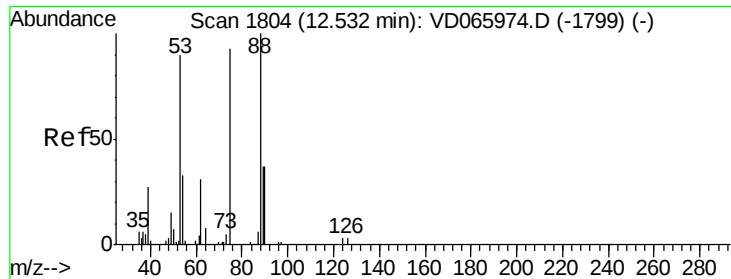
Tot Ion: 75 Resp: 100516
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#77
 Bromobenzene
 Concen: 8.265 ug/l
 RT: 12.60 min Scan# 1815
 Delta R.T. -0.17 min
 Lab File: VD066119.D
 Acq: 30 Jul 2020 18:48

Tgt Ion: 156 Resp: 25561
 Ion Ratio Lower Upper
 156 100
 77 2.8 83.0 249.0#
 158 0.0 48.2 144.6#

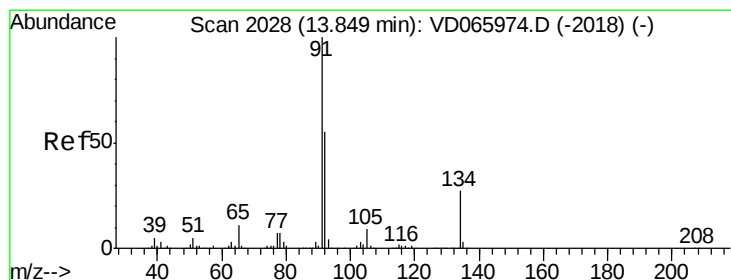
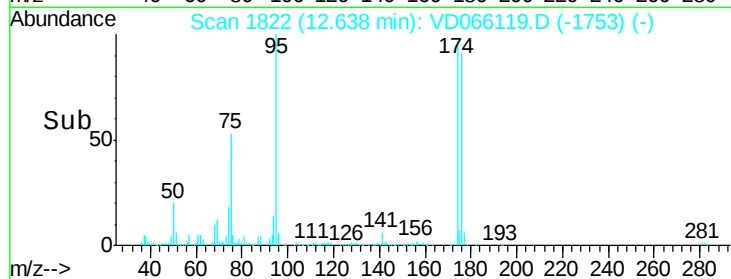
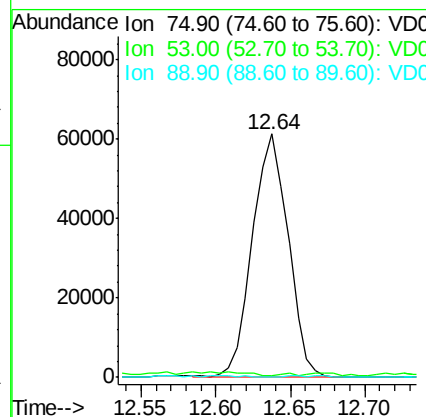
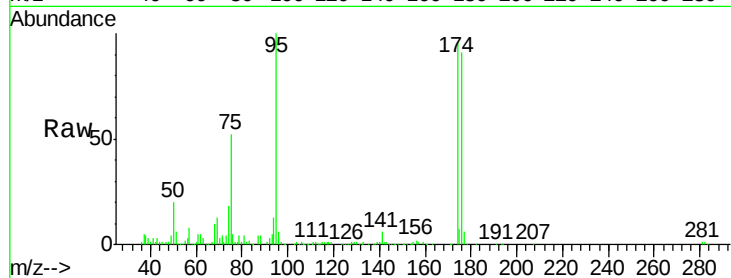




#81
trans-1,4-Dichloro-2-butene
Concen: 153.170 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

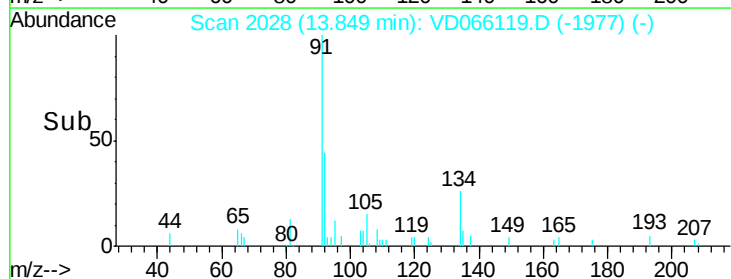
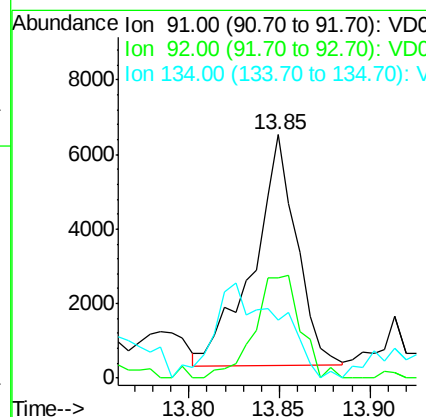
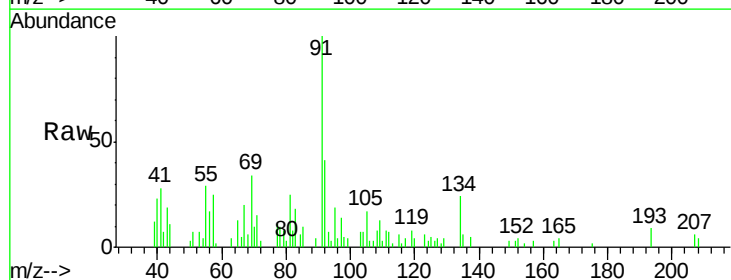
Instrument :
MSVOA_D
ClientSampleId :
SU-01-073020

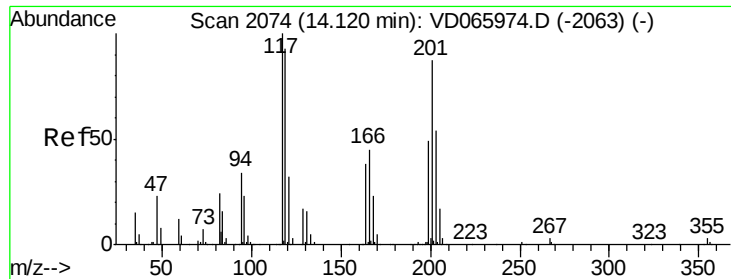
Tot Ion: 75 Resp: 100516
Ion Ratio Lower Upper
75 100
53 0.4 76.8 115.2#
89 0.0 37.0 55.4#



#89
n-Butylbenzene
Concen: 1.018 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Tgt Ion: 91 Resp: 10309
Ion Ratio Lower Upper
91 100
92 47.1 27.2 81.6
134 0.0 13.8 41.4#

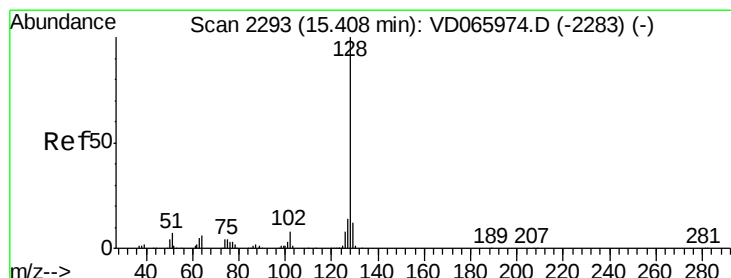
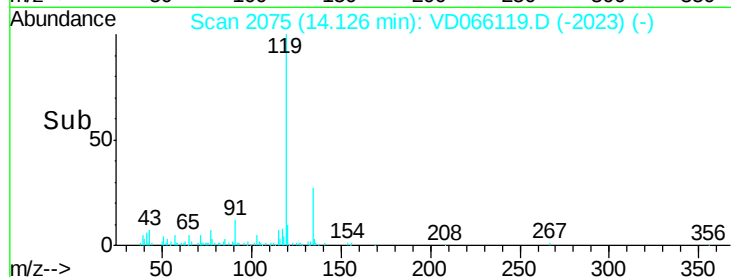
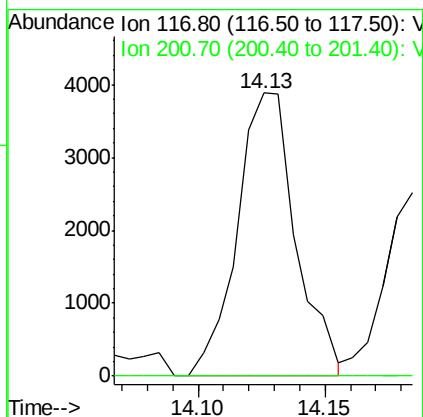
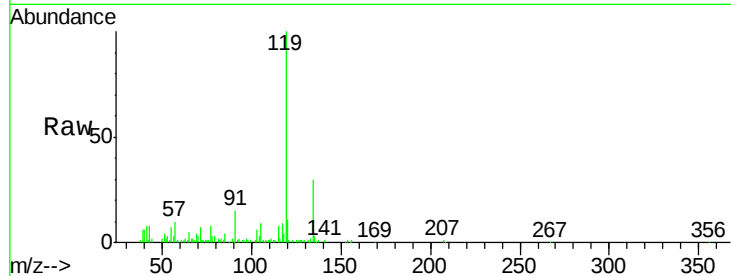




#90
Hexachloroethane
Concen: 2.777 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
SU-01-073020

Tot Ion:117 Resp: 6259
Ion Ratio Lower Upper
117 100
201 0.0 42.0 126.1#



#95
Naphthalene
Concen: 4.308 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066119.D
Acq: 30 Jul 2020 18:48

Tgt Ion:128 Resp: 5200
Ion Ratio Lower Upper
128 100
127 20.7 10.8 16.2#
129 14.1 8.9 13.3#

