

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066280.D
 Acq On : 18 Aug 2020 16:15
 Operator : VA/SY
 Sample : L3500-01
 Misc : 6.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-081420

Quant Time: Aug 19 06:41:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	229972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	369694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	341121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164121	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	111369	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
35) Dibromofluoromethane	7.91	113	112208	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	10.34	98	390826	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	
62) 4-Bromofluorobenzene	12.63	95	132590	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	

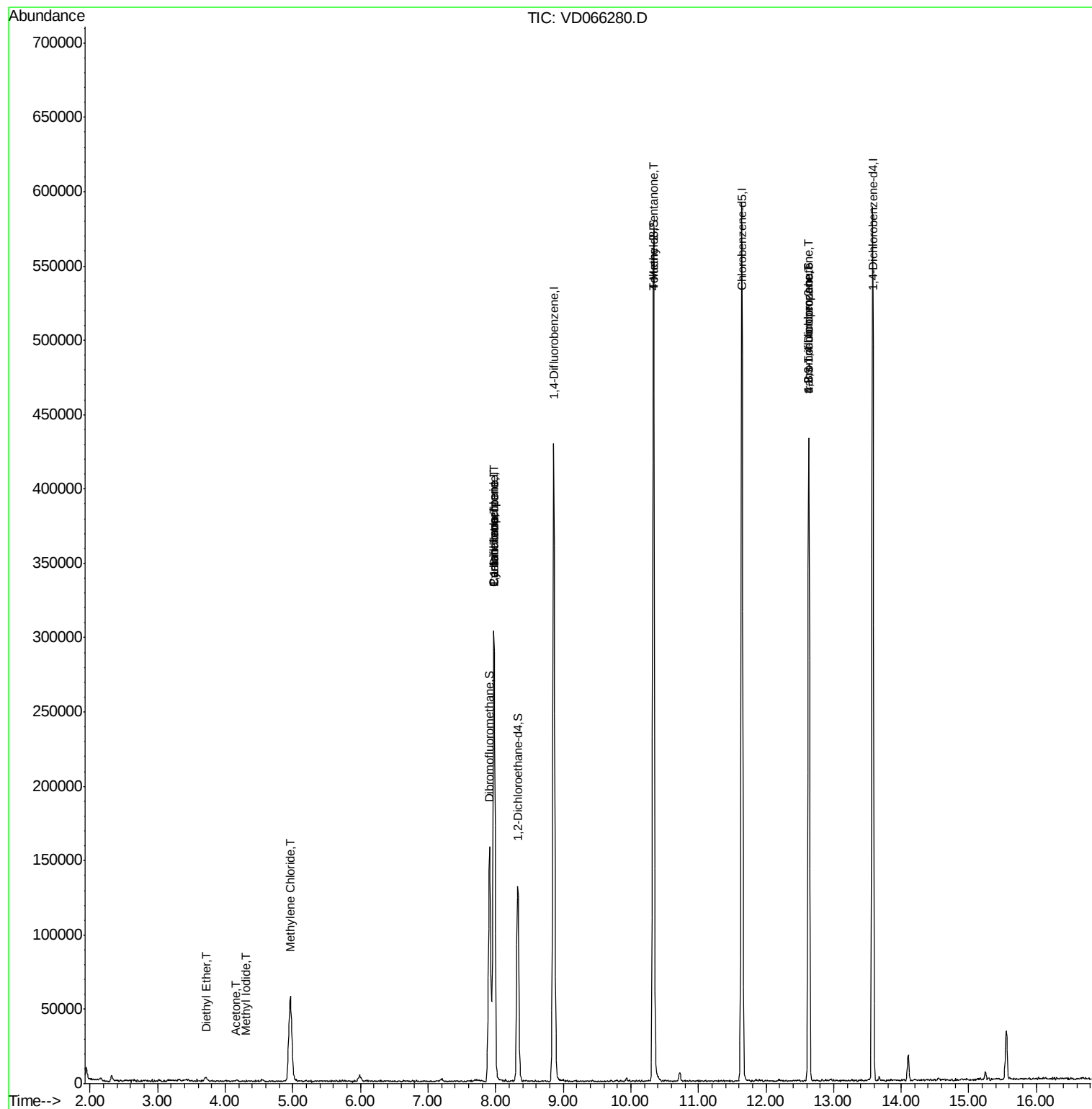
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	1541	1.501	ug/l	97
10) Methyl Iodide	4.31	142	62	6.739	ug/l #	39
11) Tert butyl alcohol	5.25	59	150	Below Cal	#	76
16) Acetone	4.17	43	856	2.199	ug/l #	44
20) Methylene Chloride	4.97	84	45249	17.177	ug/l	95
31) Cyclohexane	7.97	56	4593	1.278	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	15357	4.421	ug/l #	51
38) Carbon Tetrachloride	7.97	117	21529	5.557	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2089	1.500	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	69791	50.992	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	69791	112.722	ug/l #	13

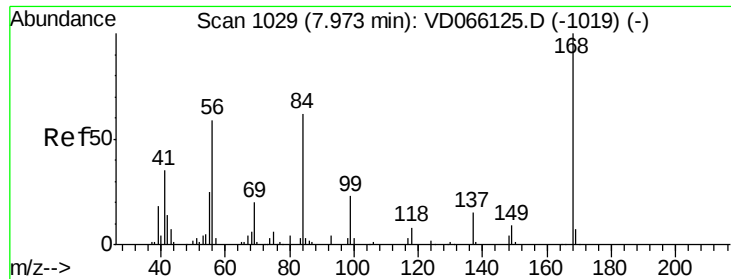
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 05 13:49:25 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: VD066280.D

Acq: 18 Aug 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

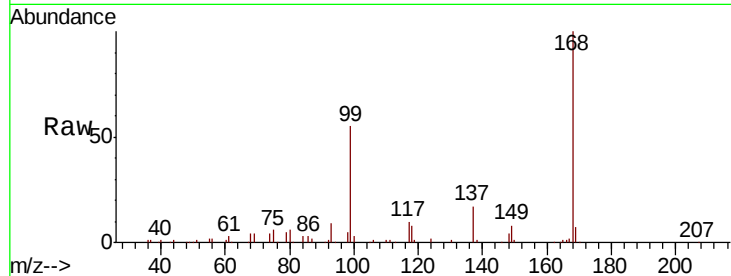
CL-02-081420

Tot Ion:168 Resp: 229972

Ion Ratio Lower Upper

168 100

99 54.9 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

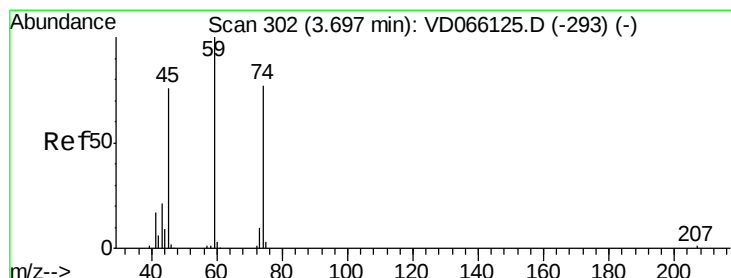
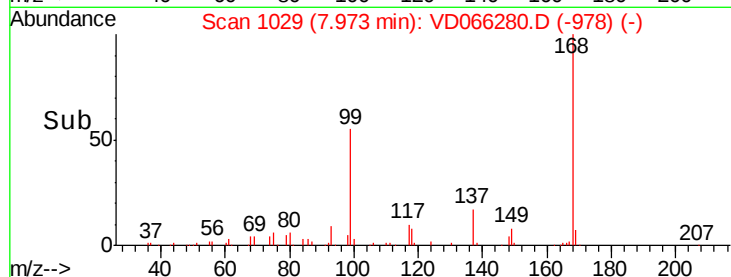
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.501 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD066280.D

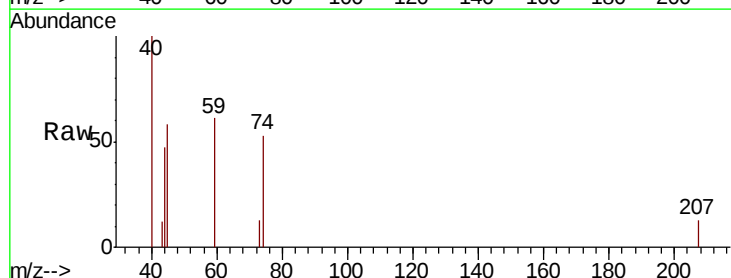
Acq: 18 Aug 2020 16:15

Tgt Ion: 74 Resp: 1541

Ion Ratio Lower Upper

74 100

45 94.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

800

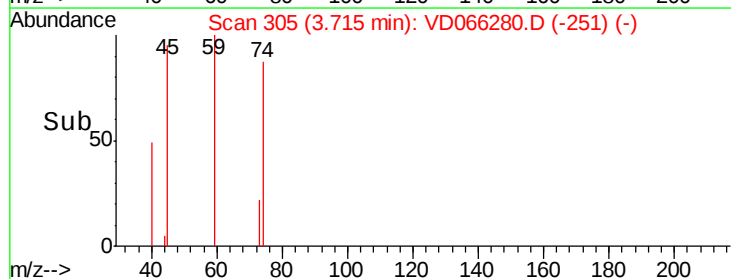
600

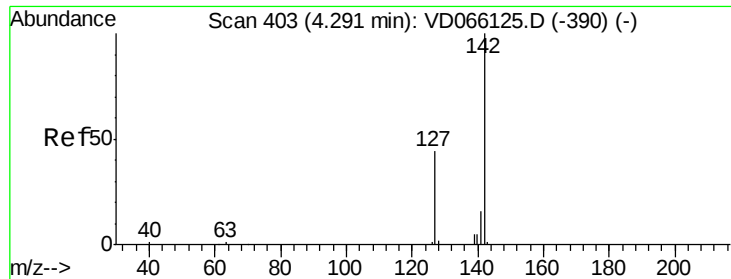
400

200

0

Time-->





#10

Methyl Iodide

Concen: 6.739 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066280.D

Acq: 18 Aug 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

CL-02-081420

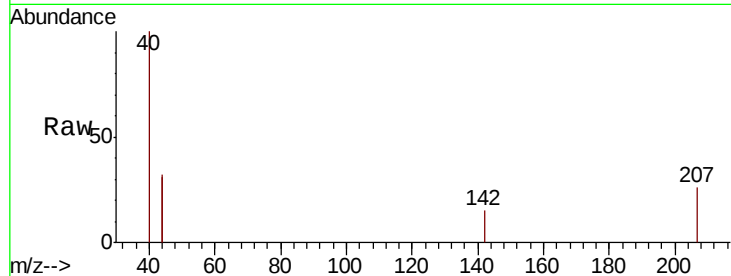
Tot Ion:142 Resp: 62

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

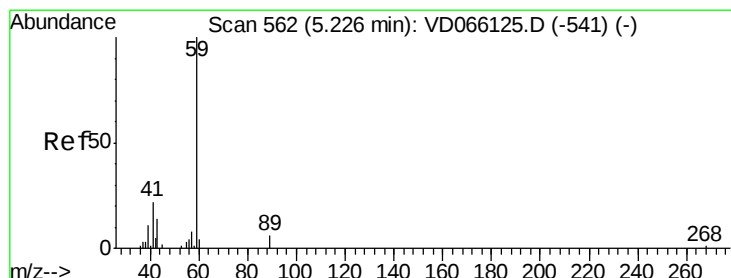
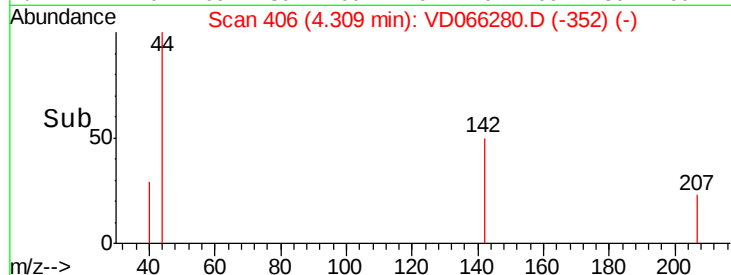
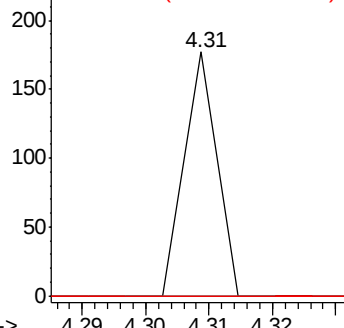
141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 566

Delta R.T. 0.02 min

Lab File: VD066280.D

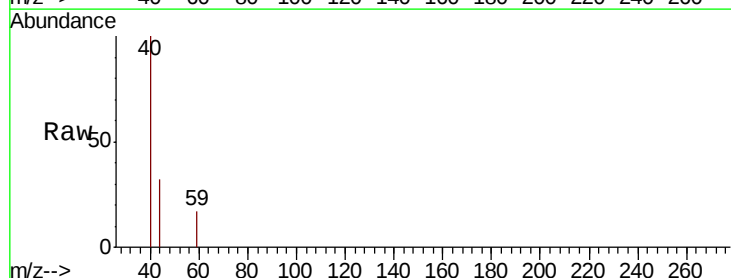
Acq: 18 Aug 2020 16:15

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

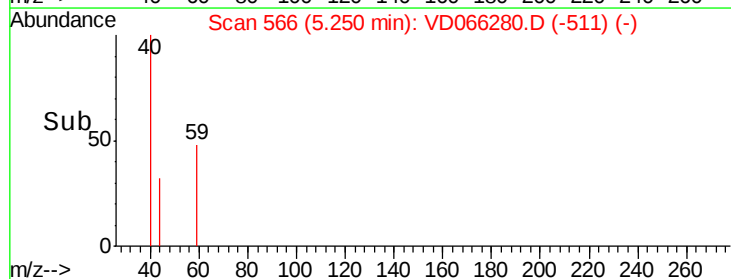
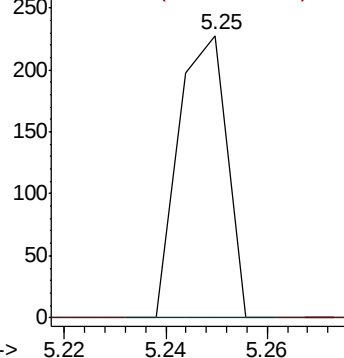
59 100

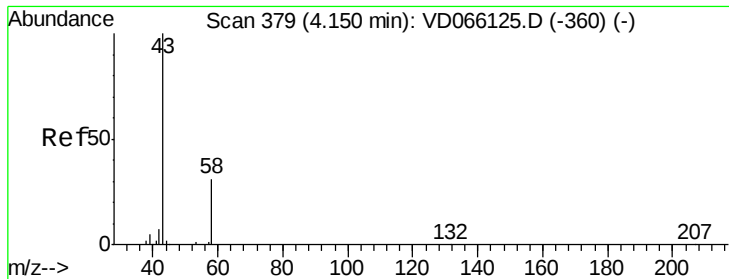
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 2.199 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066280.D

Acq: 18 Aug 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

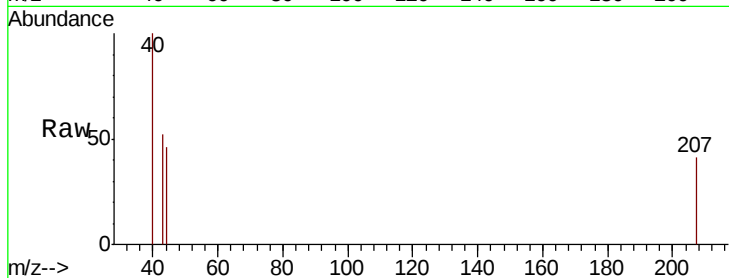
CL-02-081420

Tot Ion: 43 Resp: 856

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#

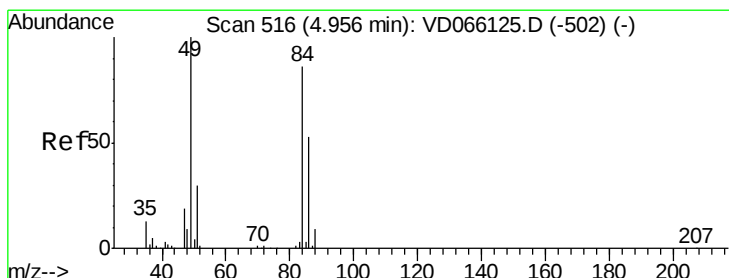
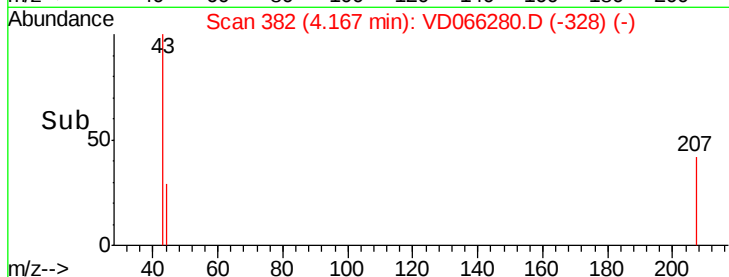
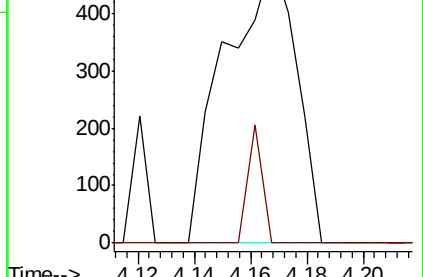


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

4.12 4.14 4.16 4.18 4.20



#20

Methylene Chloride

Concen: 17.177 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066280.D

Acq: 18 Aug 2020 16:15

Tgt Ion: 84 Resp: 45249

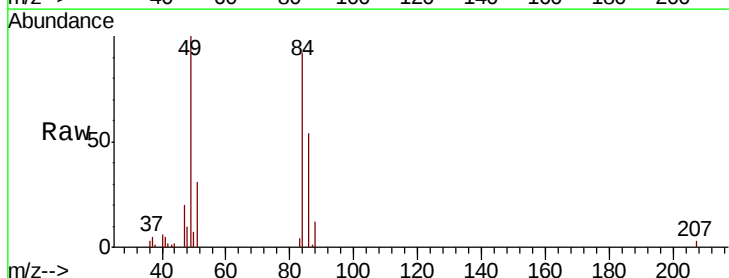
Ion Ratio Lower Upper

84 100

49 109.3 93.5 140.3

51 34.0 28.2 42.4

86 59.0 49.5 74.3



Abundance Ion 83.90 (83.60 to 84.60): VDC

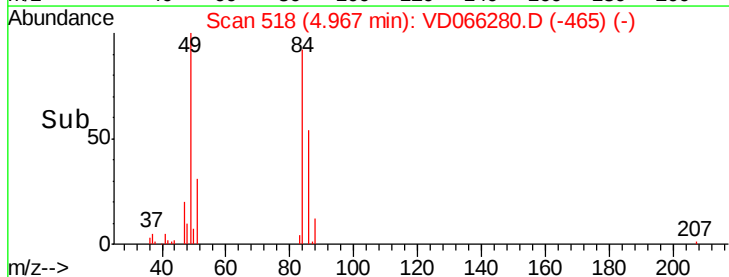
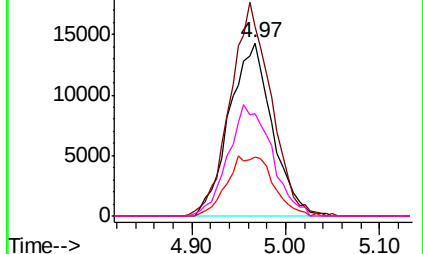
Ion 48.90 (48.60 to 49.60): VDC

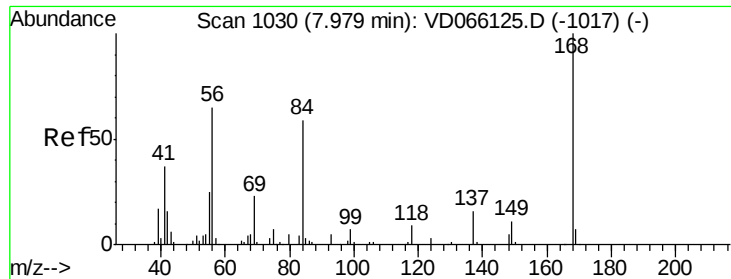
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.97

4.90 4.92 4.94 4.96 4.98 5.00 5.02 5.04 5.06 5.08 5.10

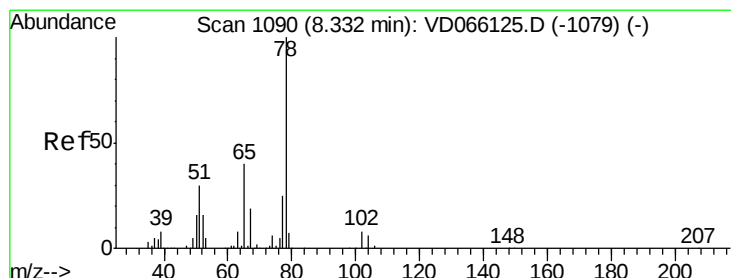
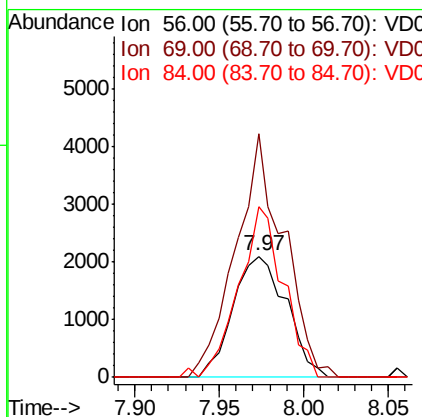
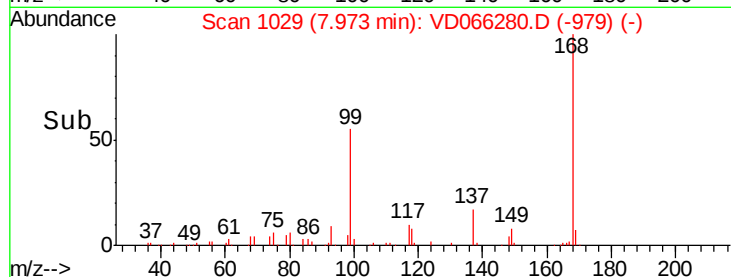
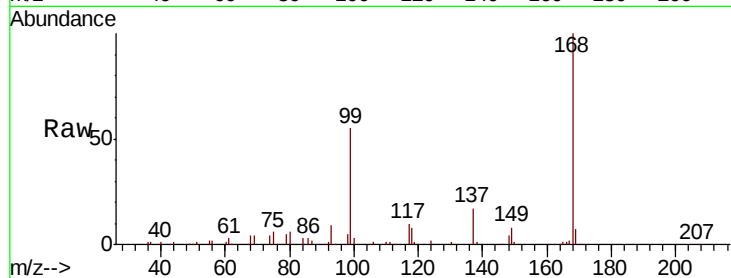




#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066280.D
Acq: 18 Aug 2020 16:15

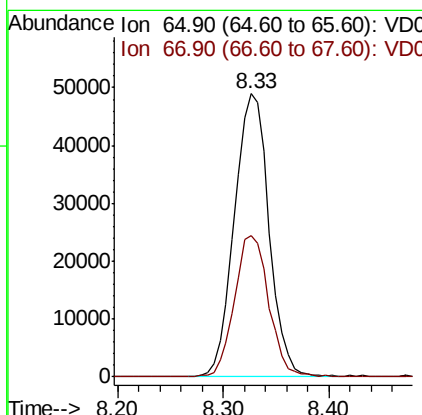
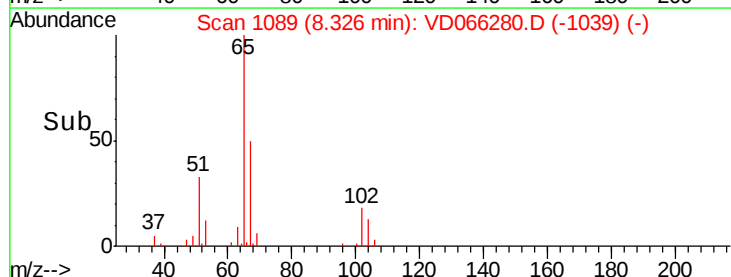
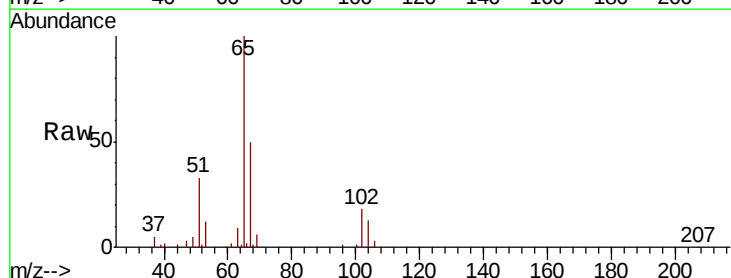
Instrument :
MSVOA_D
ClientSampleId :
CL-02-081420

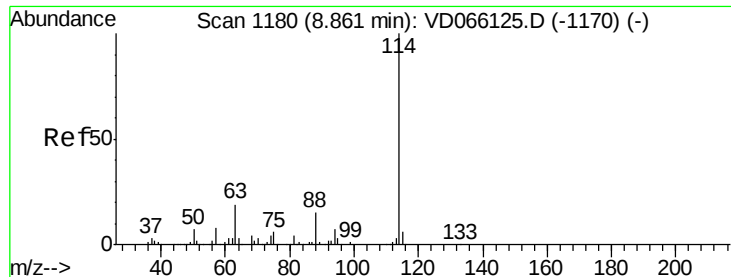
Tot Ion: 56 Resp: 4593
Ion Ratio Lower Upper
56 100
69 200.9 28.8 43.2#
84 140.4 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 54.281 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066280.D
Acq: 18 Aug 2020 16:15

Tgt Ion: 65 Resp: 111369
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.6

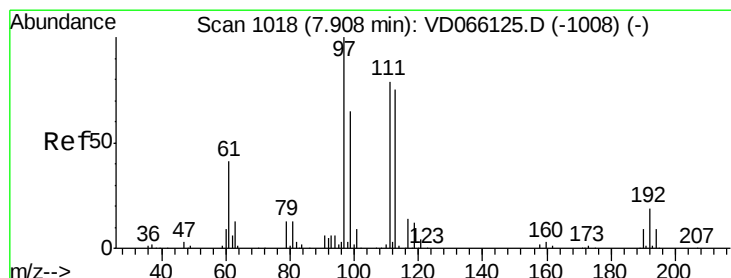
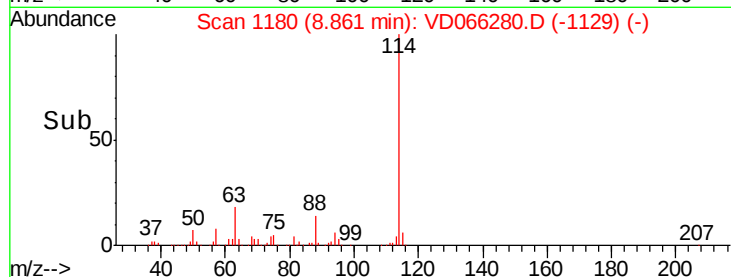
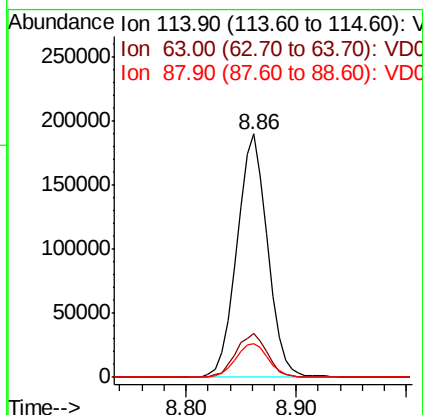
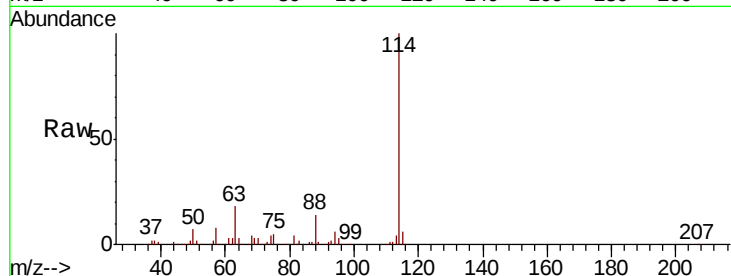




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066280.D
 Acq: 18 Aug 2020 16:15

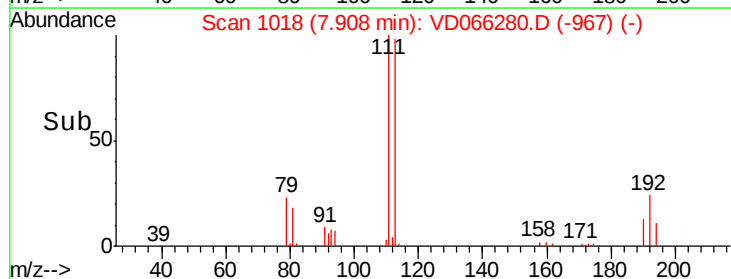
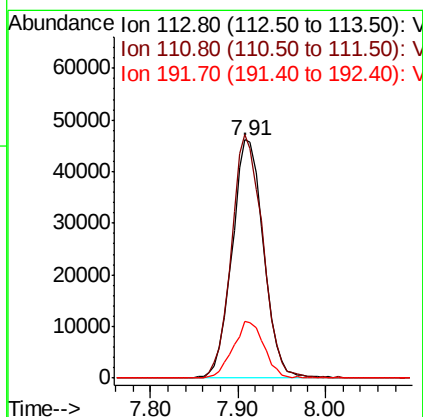
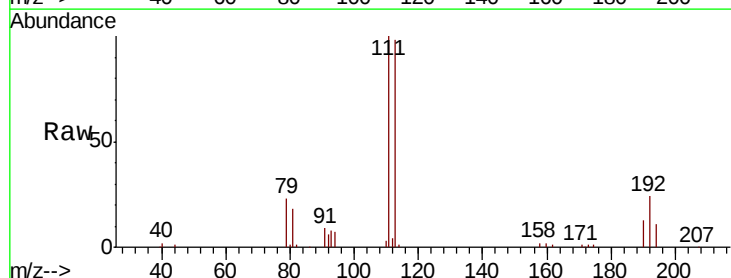
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-081420

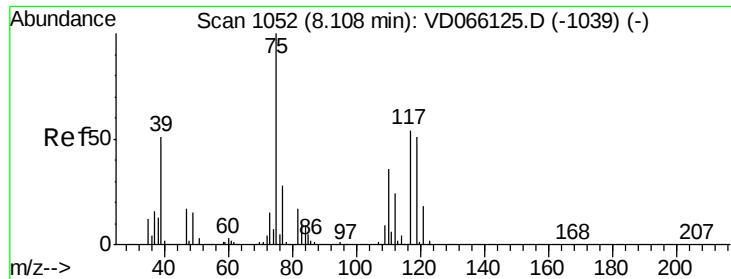
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.6
88	13.8	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 47.912 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066280.D
 Acq: 18 Aug 2020 16:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.7	121.1
192	23.3	18.4	27.6

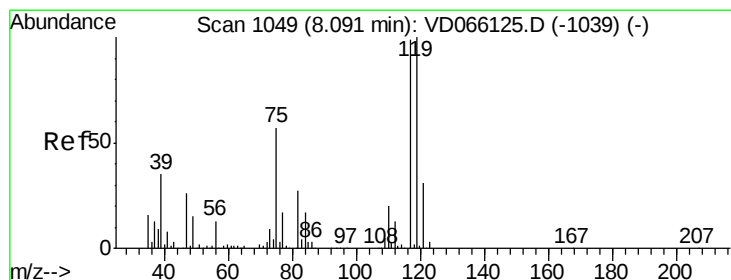
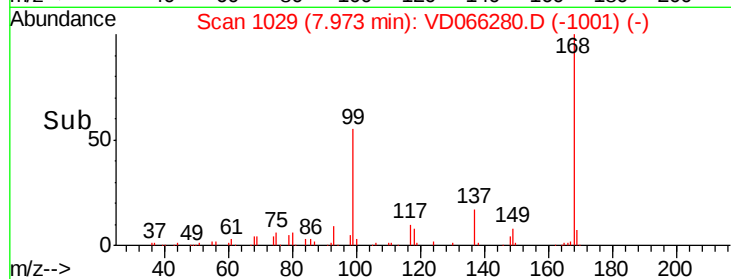
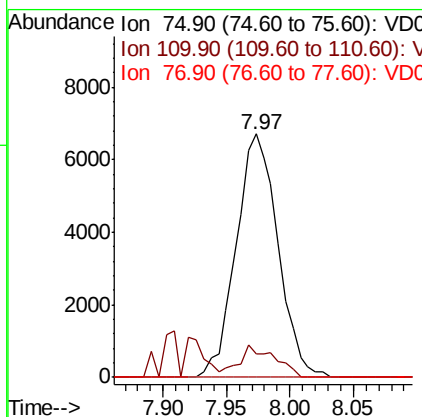
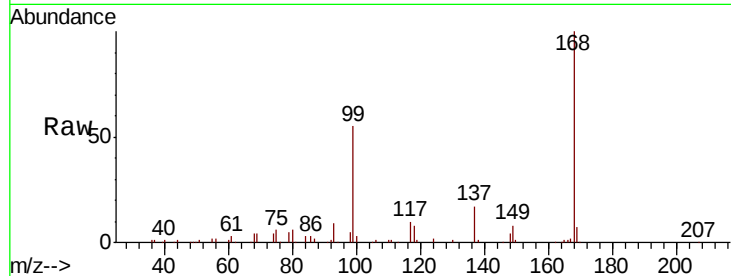




#36
 1,1-Dichloropropene
 Concen: 4.421 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066280.D
 Acq: 18 Aug 2020 16:15

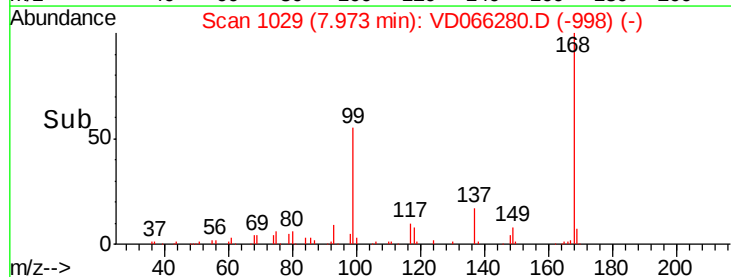
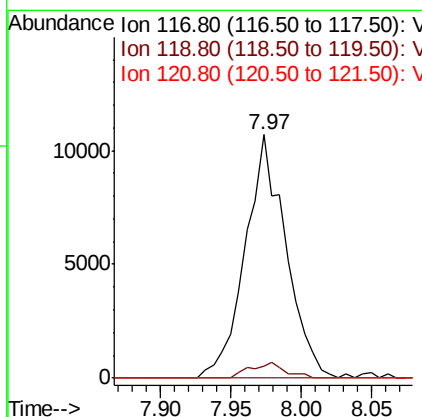
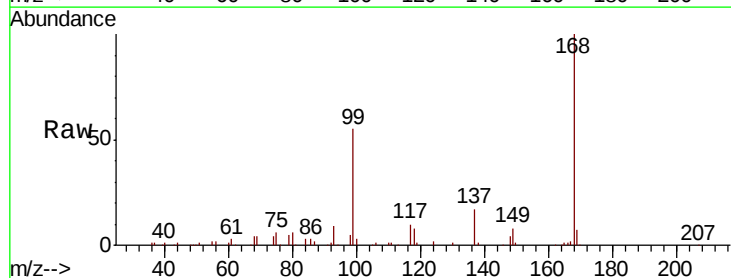
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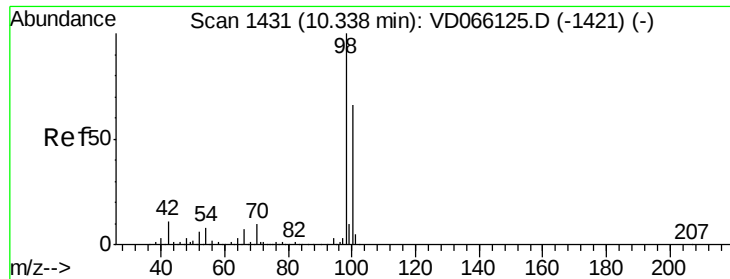
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 5.557 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066280.D
 Acq: 18 Aug 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	81.0	121.4#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 45.222 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066280.D

Acq: 18 Aug 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

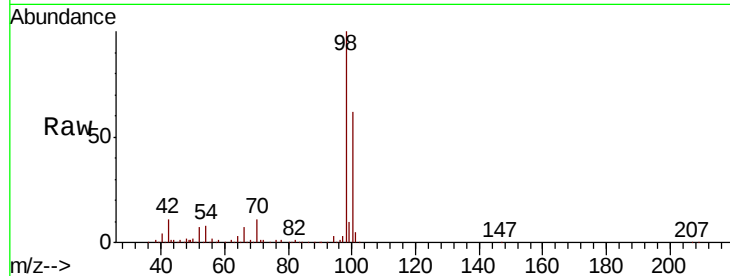
CL-02-081420

Tot Ion: 98 Resp: 390826

Ion Ratio Lower Upper

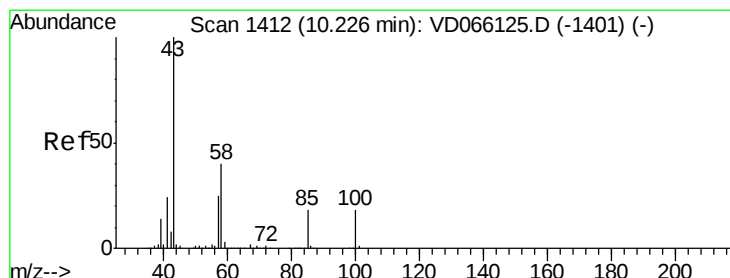
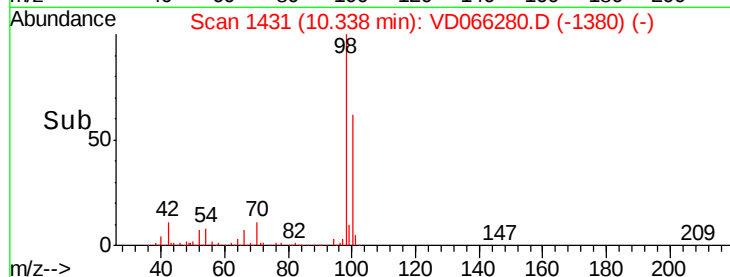
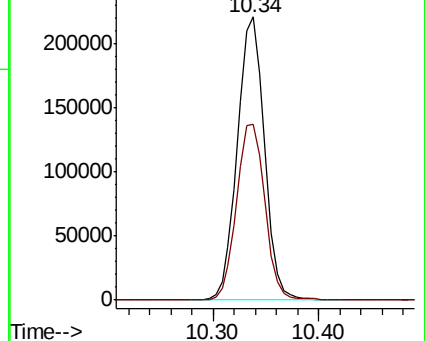
98 100

100 65.4 52.6 78.8



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: 1.500 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066280.D

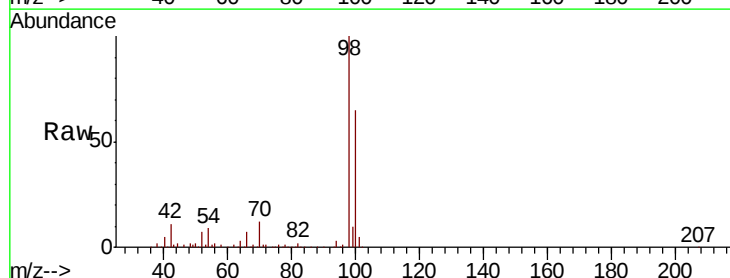
Acq: 18 Aug 2020 16:15

Tgt Ion: 43 Resp: 2089

Ion Ratio Lower Upper

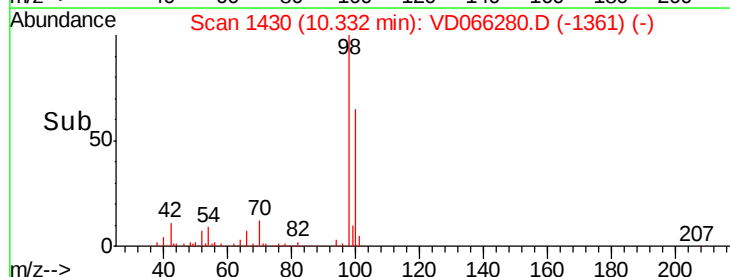
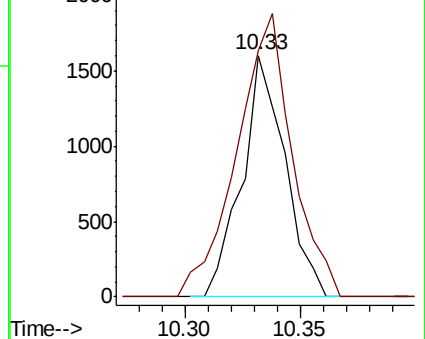
43 100

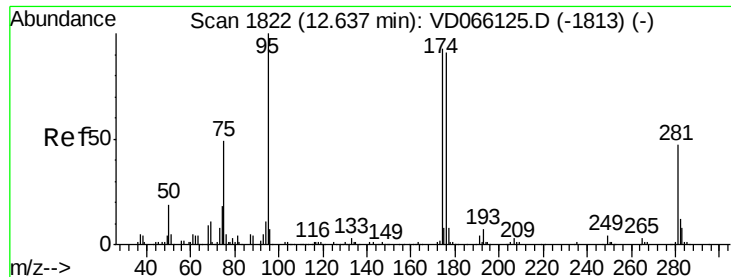
58 150.2 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 42.561 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066280.D

Acq: 18 Aug 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

CL-02-081420

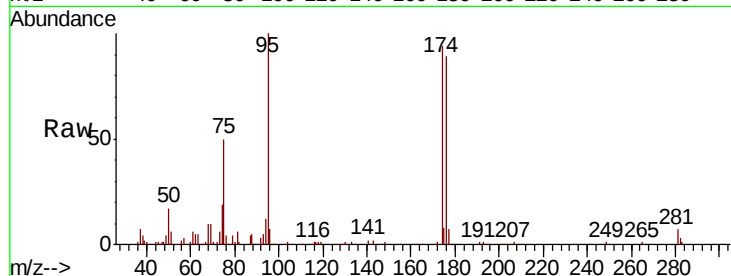
Tot Ion: 95 Resp: 132590

Ion Ratio Lower Upper

95 100

174 92.6 0.0 180.8

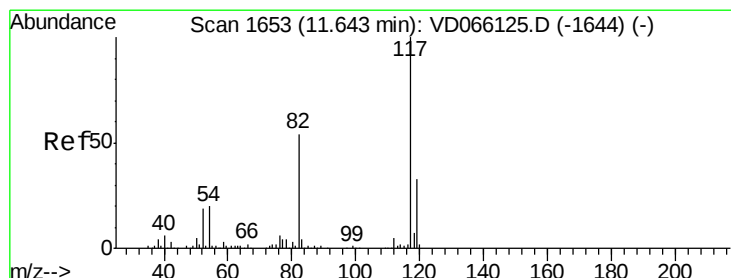
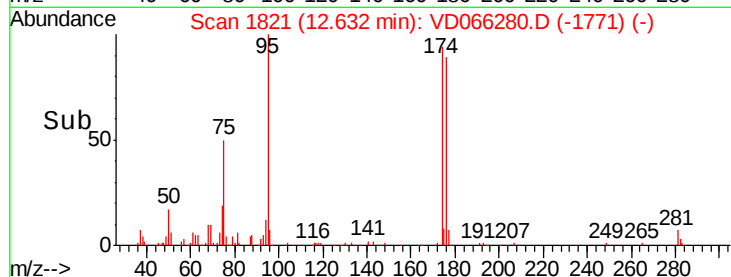
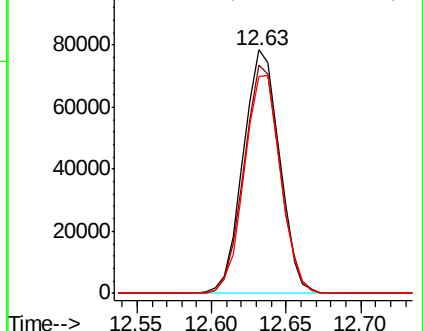
176 89.1 0.0 181.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066280.D

Acq: 18 Aug 2020 16:15

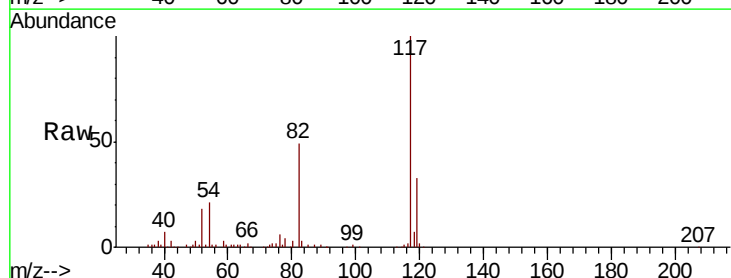
Tgt Ion: 117 Resp: 341121

Ion Ratio Lower Upper

117 100

82 49.4 43.0 64.4

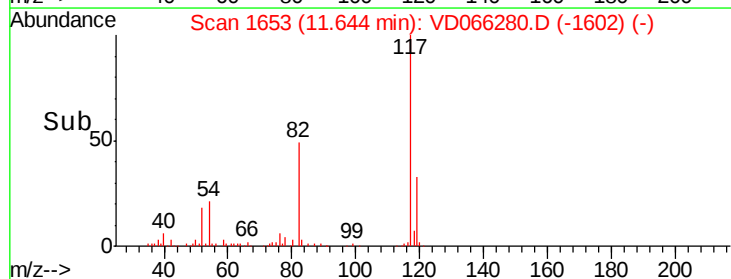
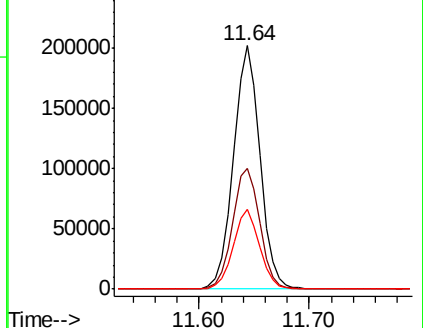
119 32.9 26.1 39.1

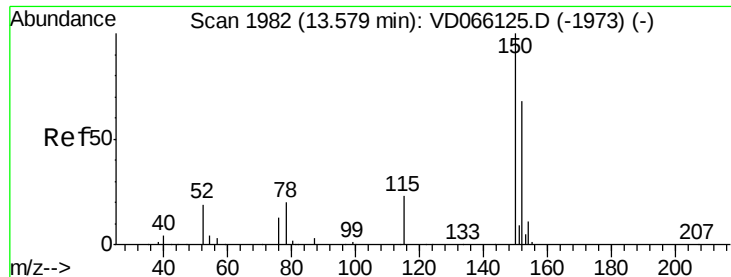


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066280.D

Acq: 18 Aug 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

CL-02-081420

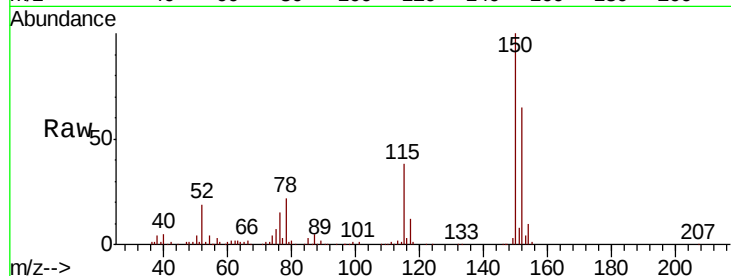
Tot Ion:152 Resp: 164121

Ion Ratio Lower Upper

152 100

115 56.3 28.0 83.9

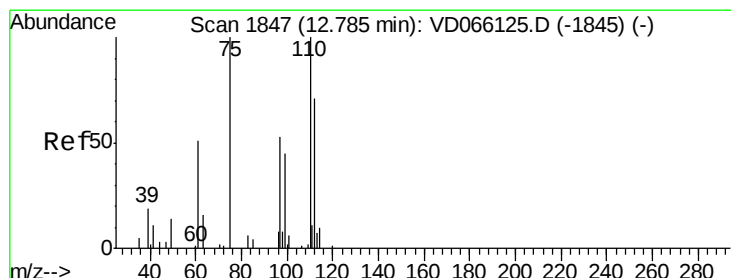
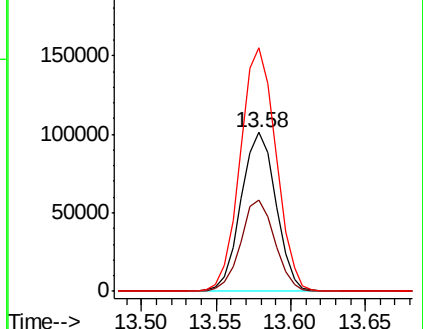
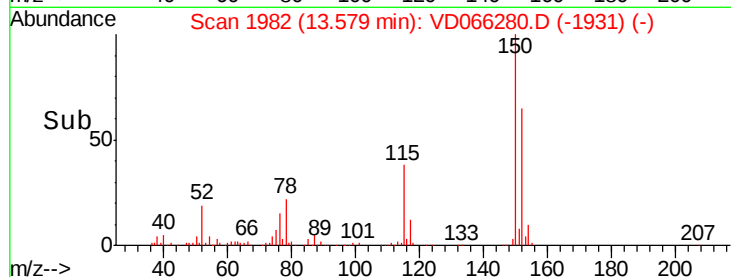
150 156.9 0.0 346.4



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: 50.992 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066280.D

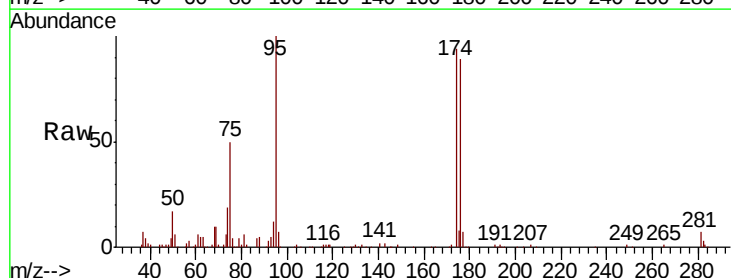
Acq: 18 Aug 2020 16:15

Tgt Ion: 75 Resp: 69791

Ion Ratio Lower Upper

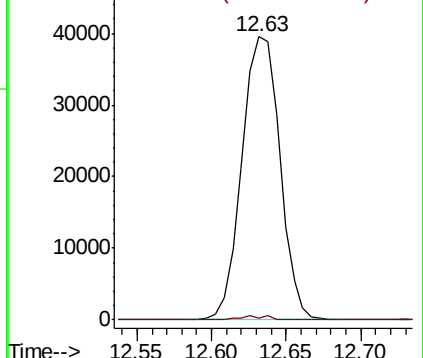
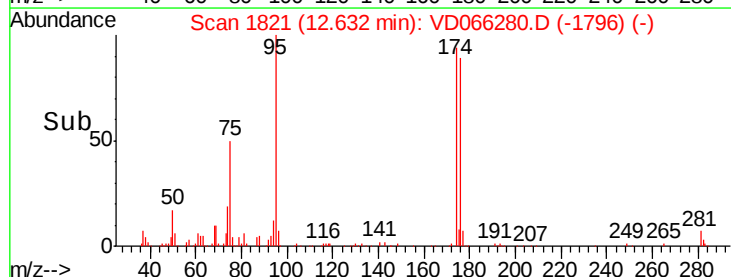
75 100

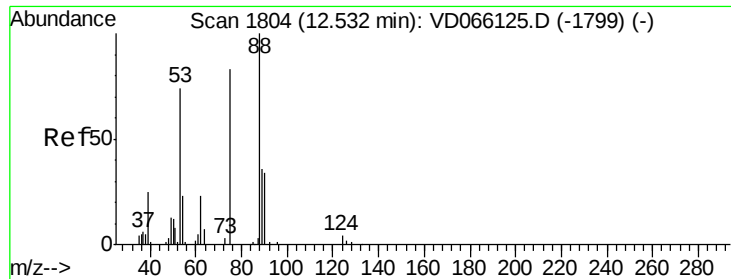
77 1.0 0.0 0.0#



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: 112.722 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066280.D

Acq: 18 Aug 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

CL-02-081420

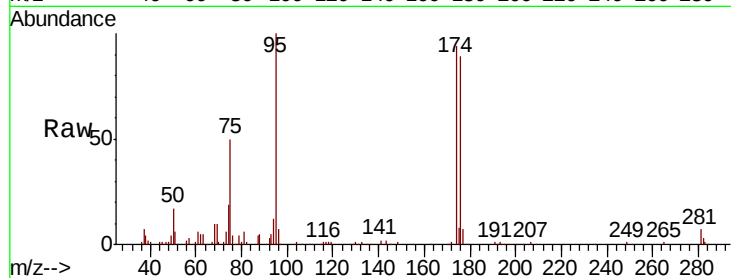
Tot Ion: 75 Resp: 69791

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 36.6 55.0#



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

