

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066259.D
 Acq On : 17 Aug 2020 15:51
 Operator : VA/SY
 Sample : L3645-02RE
 Misc : 5.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

Quant Time: Aug 18 07:52:57 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	377623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	601857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	750806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	452639	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	144070	42.76	ug/l	0.00
Spiked Amount						
				Recovery	=	85.52%
35) Dibromofluoromethane	7.91	113	176929	46.41	ug/l	0.00
Spiked Amount						
				Recovery	=	92.82%
50) Toluene-d8	10.34	98	731524	51.99	ug/l	0.00
Spiked Amount						
				Recovery	=	103.98%
62) 4-Bromofluorobenzene	12.63	95	398141	78.50	ug/l	0.00
Spiked Amount						
				Recovery	=	157.00%

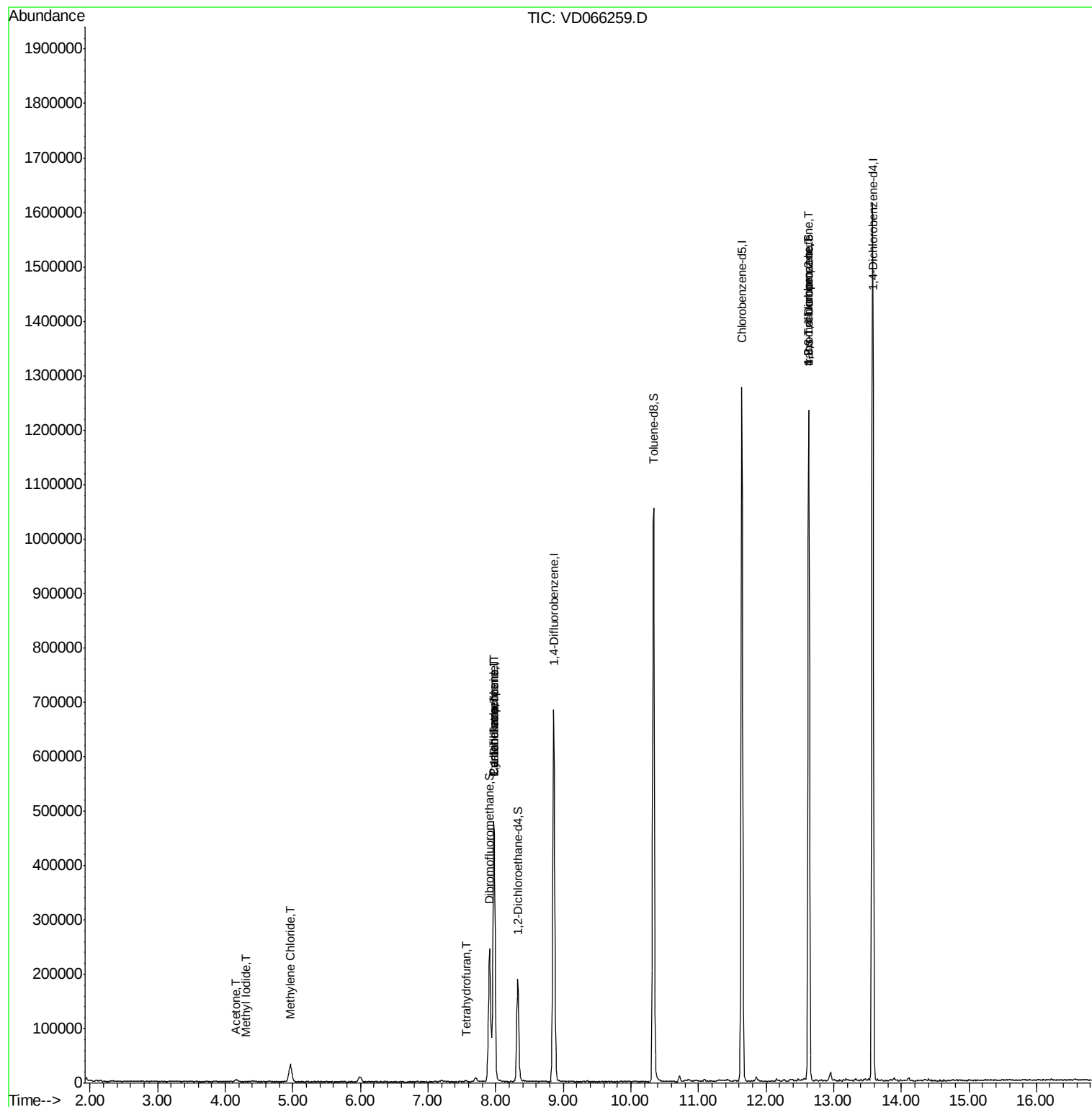
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	104	6.739	ug/l #	39
16) Acetone	4.16	43	7399	11.575	ug/l	99
20) Methylene Chloride	4.96	84	24273	2.148	ug/l	97
29) Tetrahydrofuran	7.57	42	939	1.612	ug/l #	39
31) Cyclohexane	7.97	56	6856	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	25584	4.524	ug/l #	49
38) Carbon Tetrachloride	7.97	117	33663	5.337	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	191532	50.741	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	191532	112.166	ug/l #	13

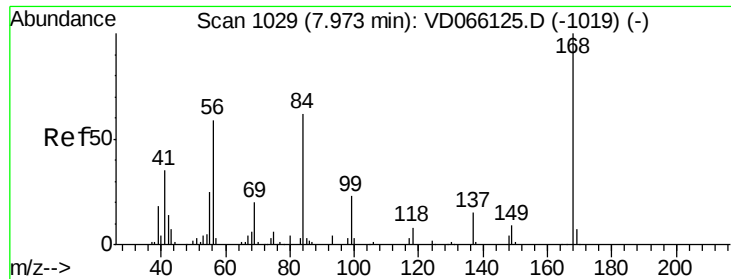
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

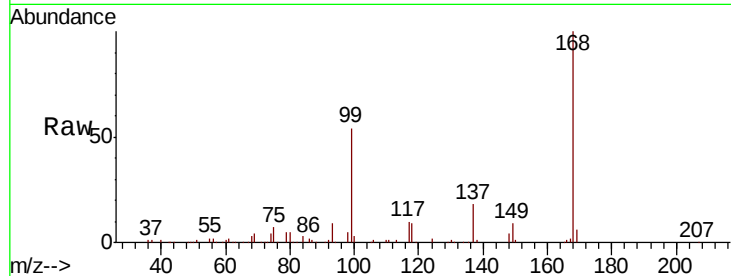
SB-3

Tot Ion:168 Resp: 377623

Ion Ratio Lower Upper

168 100

99 54.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

150000

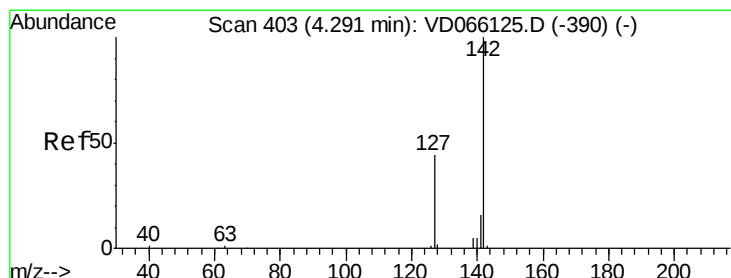
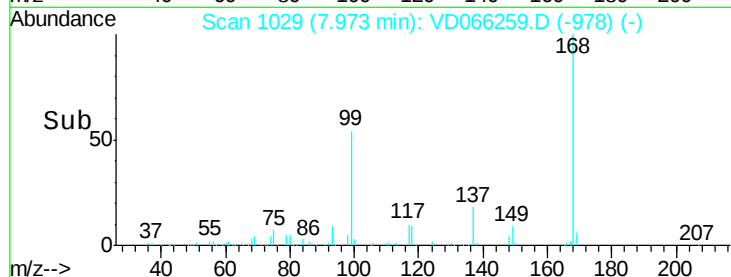
100000

50000

0

Time-->

7.90 8.00



#10

Methyl Iodide

Concen: 6.739 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

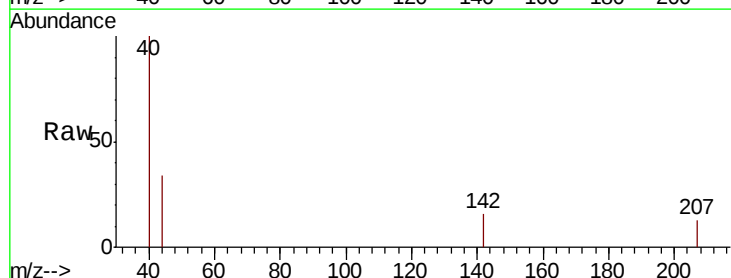
Tgt Ion:142 Resp: 104

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

400

300

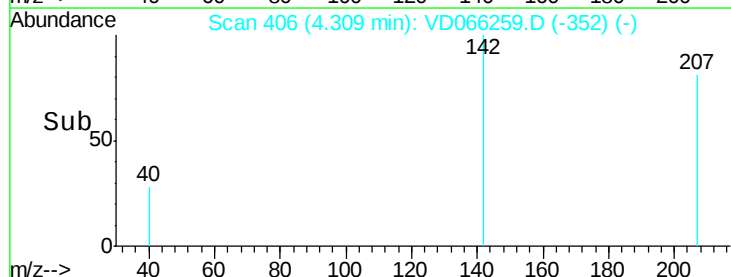
200

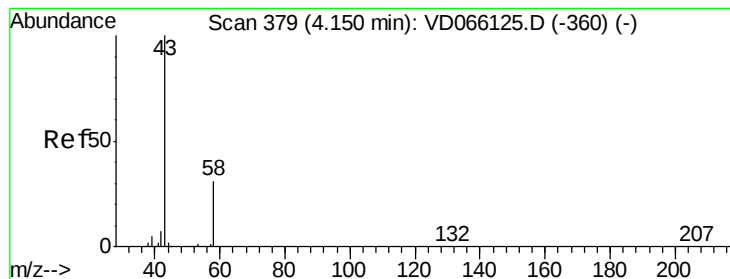
100

0

Time-->

4.29 4.30 4.31 4.32





#16

Acetone

Concen: 11.575 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

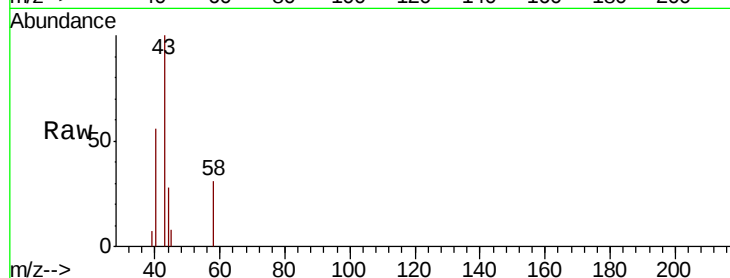
SB-3

Tot Ion: 43 Resp: 7399

Ion Ratio Lower Upper

43 100

58 31.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

2500

2000

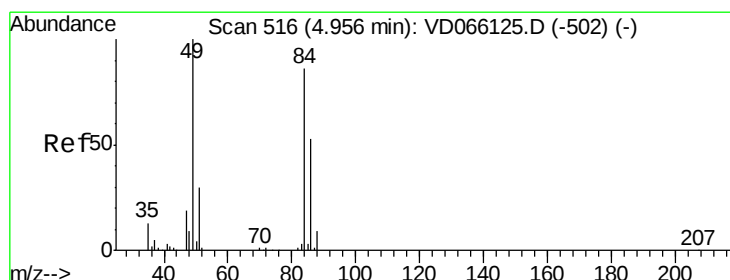
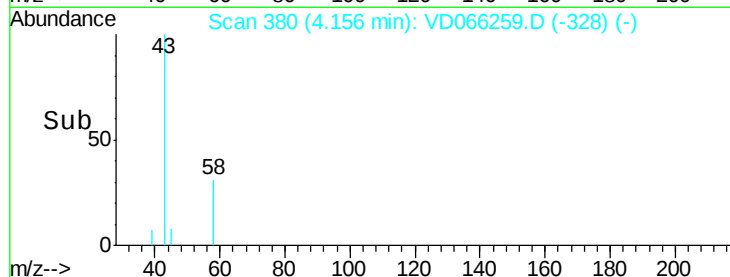
1500

1000

500

0

Time--> 4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: 2.148 ug/l

RT: 4.96 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Tgt Ion: 84 Resp: 24273

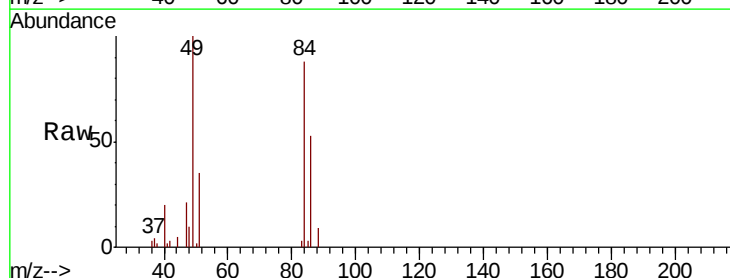
Ion Ratio Lower Upper

84 100

49 113.4 93.5 140.3

51 39.5 28.2 42.4

86 60.5 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

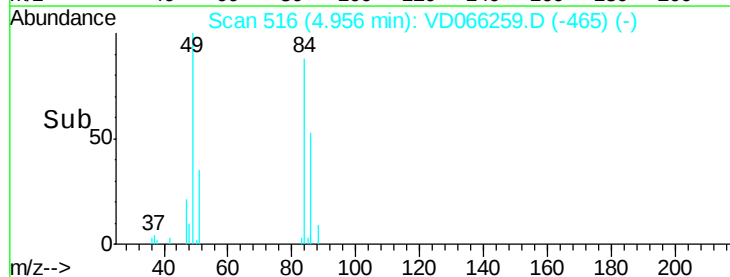
15000

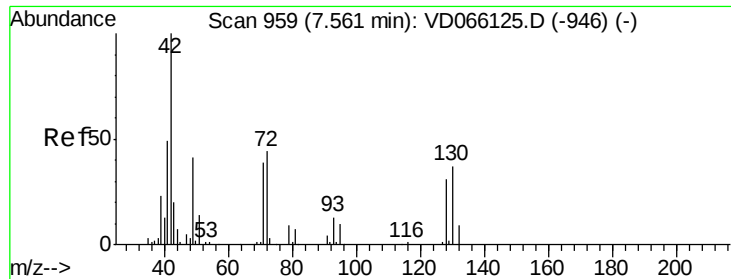
10000

5000

0

Time--> 4.90 5.00

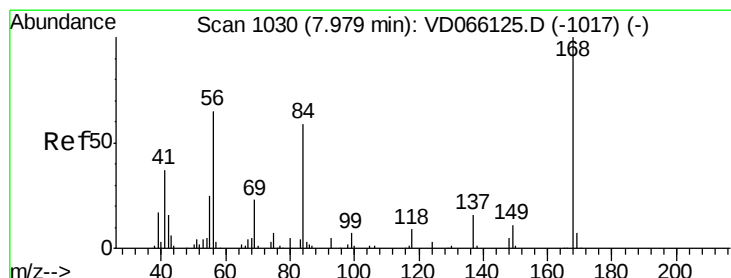
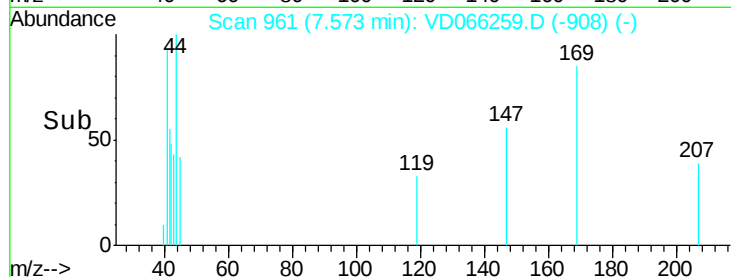
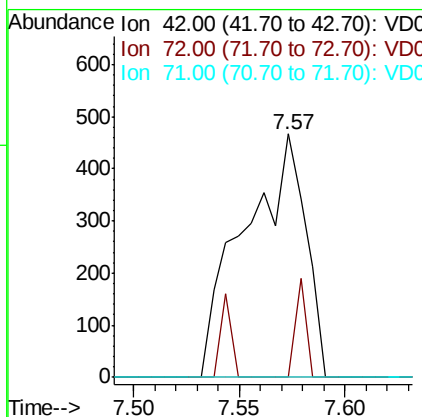
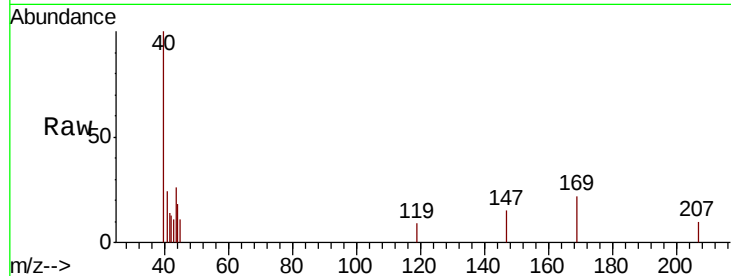




#29
Tetrahydrofuran
Concen: 1.612 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD066259.D
Acq: 17 Aug 2020 15:51

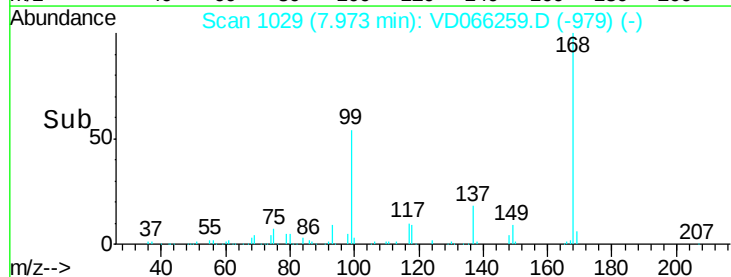
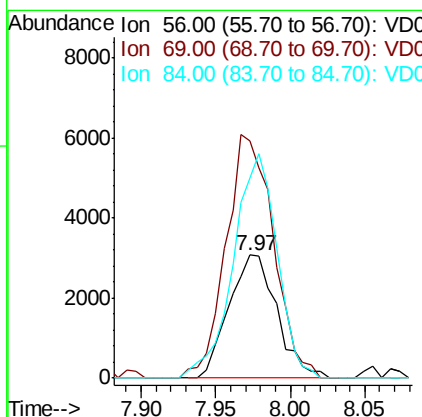
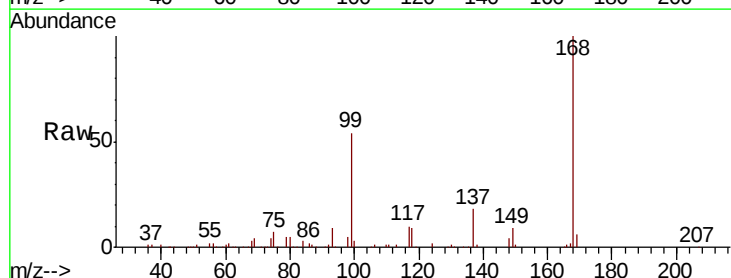
Instrument :
MSVOA_D
ClientSampleID :
SB-3

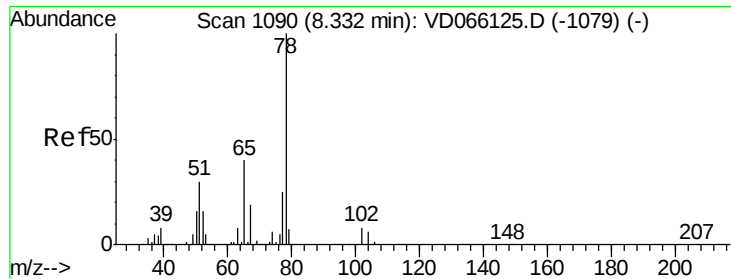
Tot Ion: 42 Resp: 939
Ion Ratio Lower Upper
42 100
72 7.1 34.8 52.2#
71 0.0 33.5 50.3#



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066259.D
Acq: 17 Aug 2020 15:51

Tgt Ion: 56 Resp: 6856
Ion Ratio Lower Upper
56 100
69 193.2 28.8 43.2#
84 162.8 73.0 109.6#

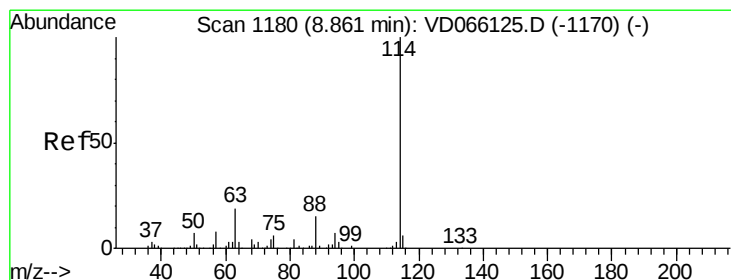
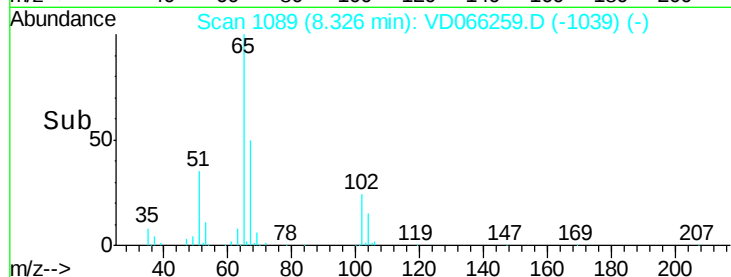
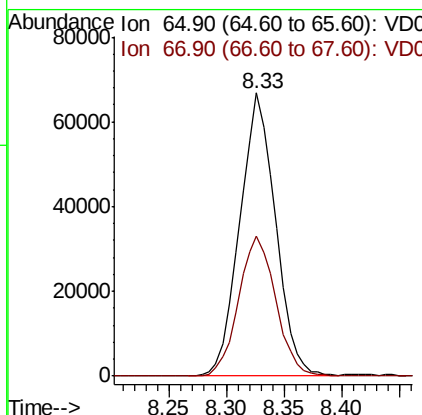
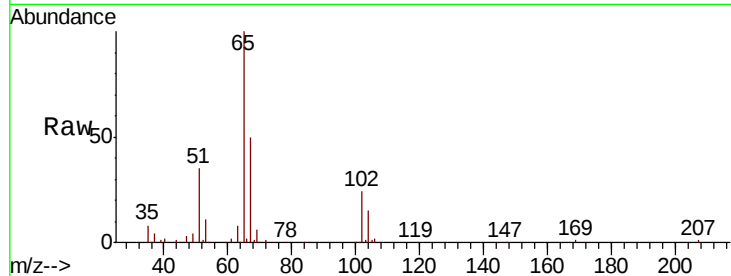




#33
 1,2-Dichloroethane-d4
 Concen: 42.764 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066259.D
 Acq: 17 Aug 2020 15:51

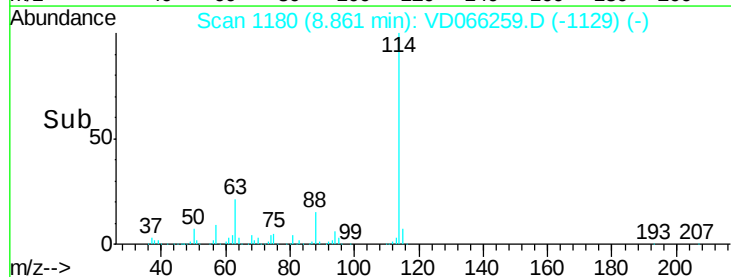
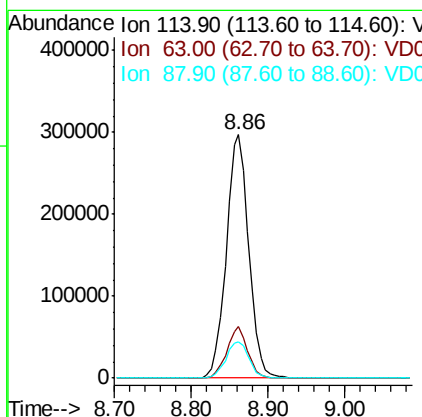
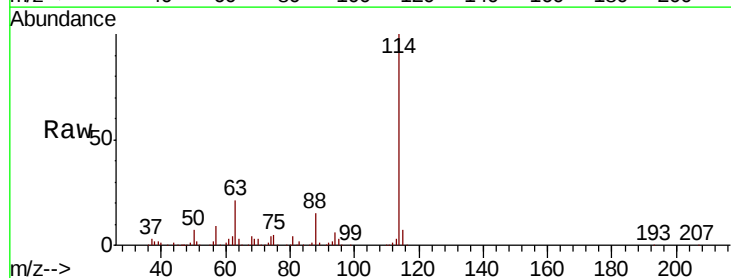
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 MSVOA_D
 ClientSampleId :
 SB-3

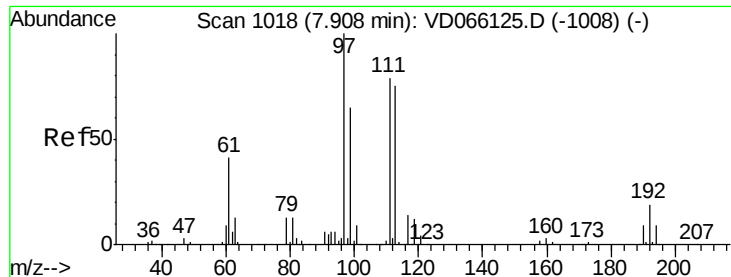
Tot Ion: 65 Resp: 144070
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066259.D
 Acq: 17 Aug 2020 15:51

Tgt Ion: 114 Resp: 601857
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.6
 88 14.9 0.0 30.0

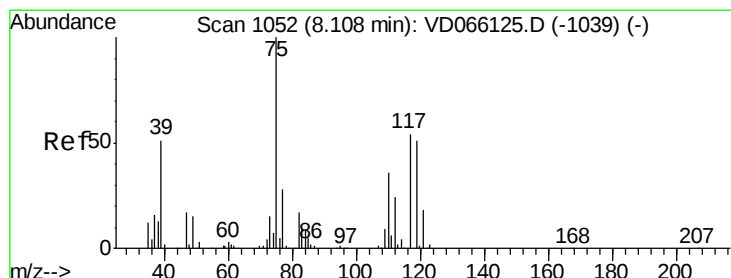
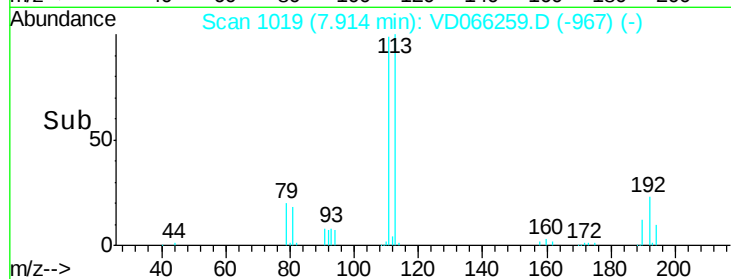
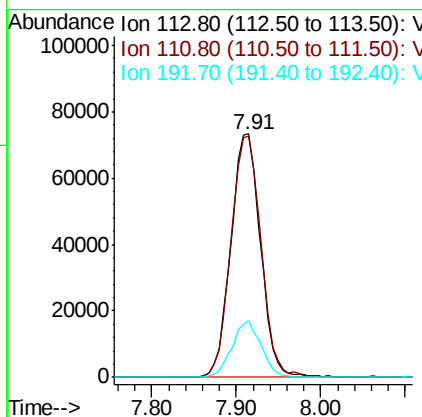
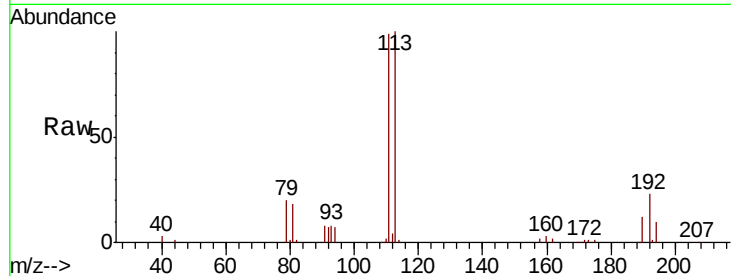




#35
 Dibromofluoromethane
 Concen: 46.405 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066259.D
 Acq: 17 Aug 2020 15:51

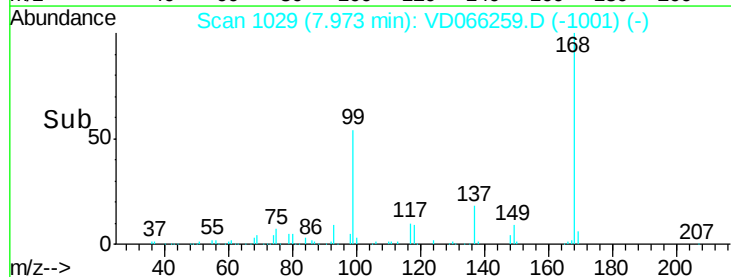
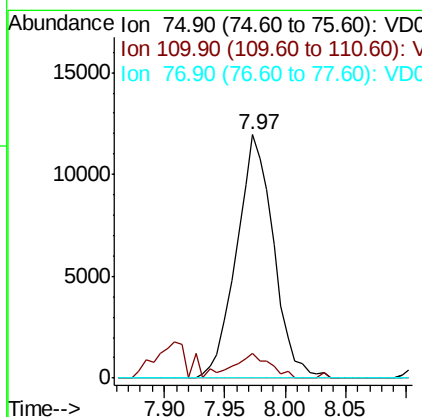
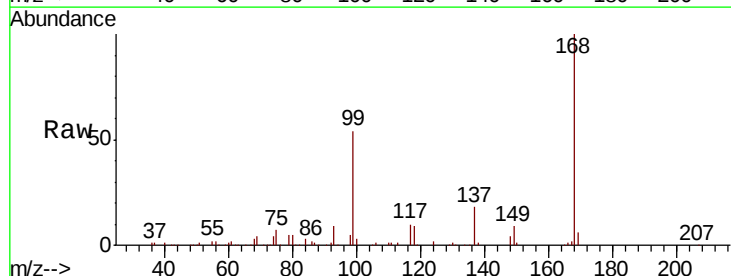
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

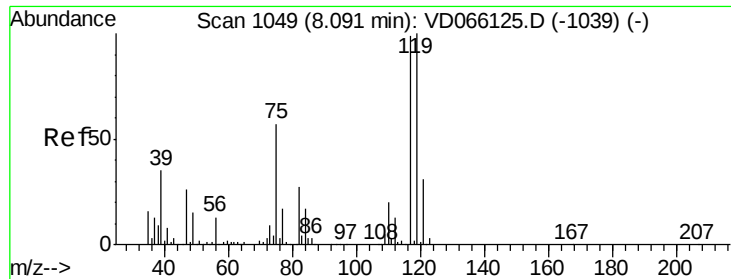
Tot Ion:113 Resp: 176929
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.7 121.1
 192 22.7 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.524 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066259.D
 Acq: 17 Aug 2020 15:51

Tgt Ion: 75 Resp: 25584
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.8 56.3#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.337 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3

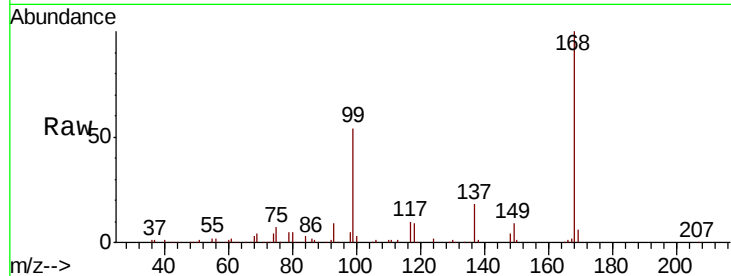
Tot Ion:117 Resp: 33663

Ion Ratio Lower Upper

117 100

119 4.3 81.0 121.4#

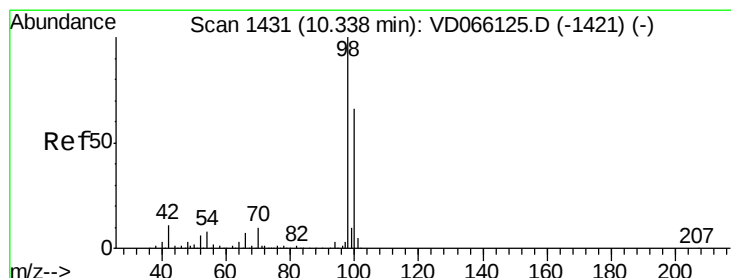
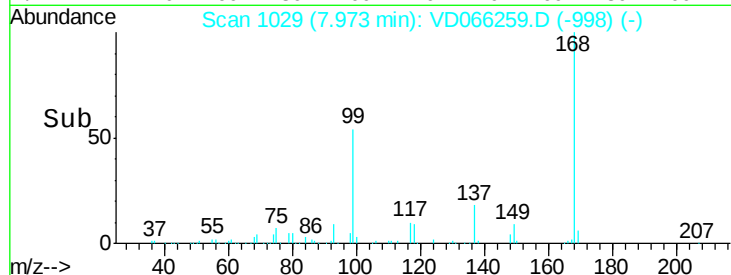
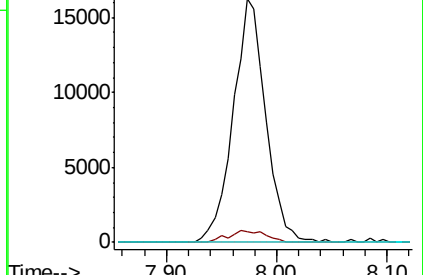
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 51.992 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066259.D

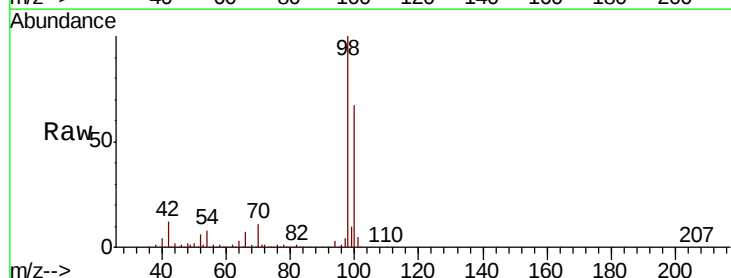
Acq: 17 Aug 2020 15:51

Tgt Ion: 98 Resp: 731524

Ion Ratio Lower Upper

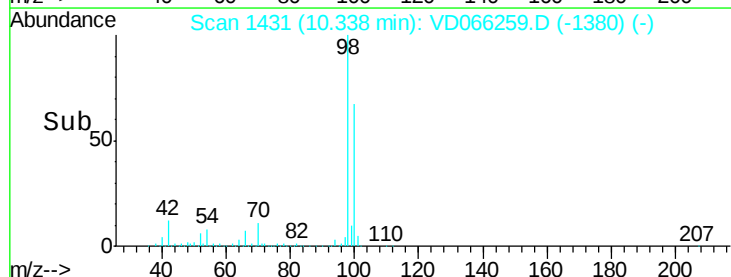
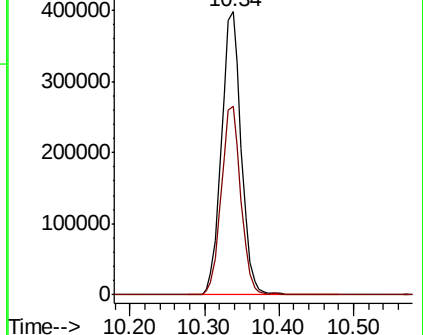
98 100

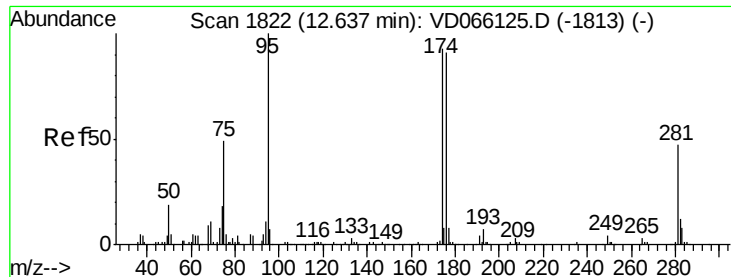
100 66.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

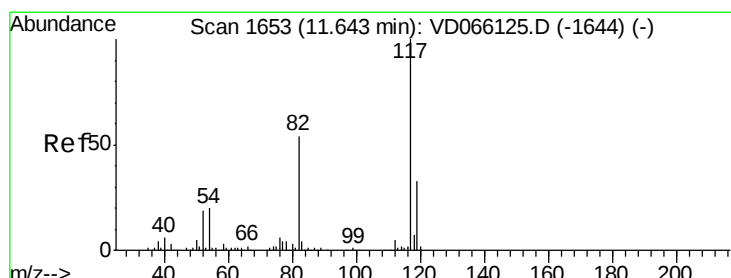
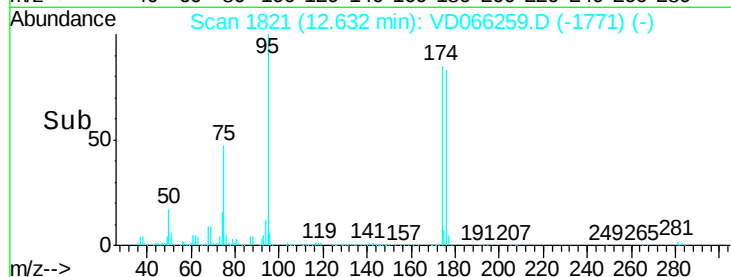
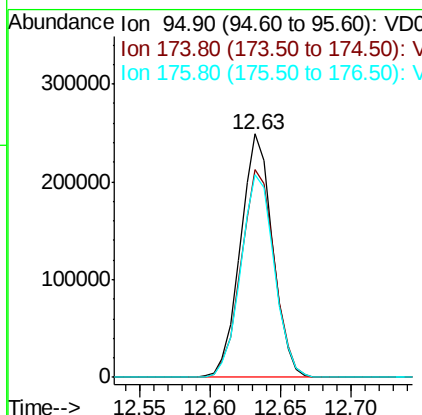
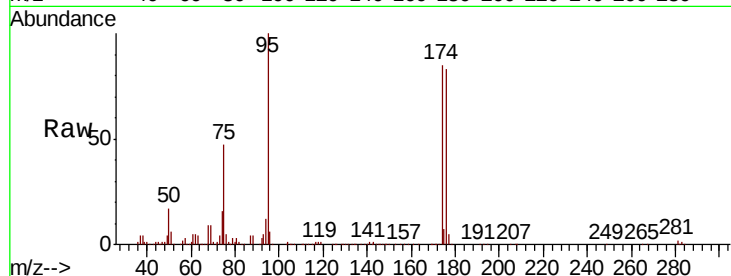




#62
4-Bromofluorobenzene
Concen: 78.504 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066259.D
Acq: 17 Aug 2020 15:51

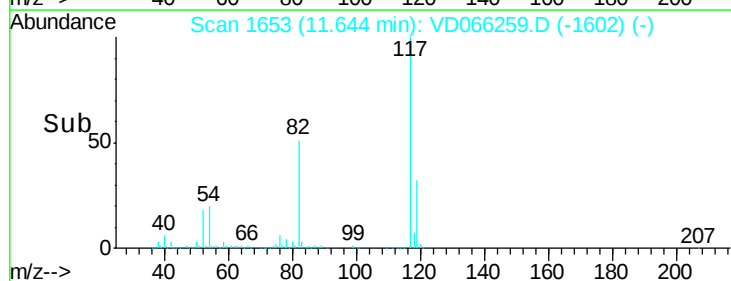
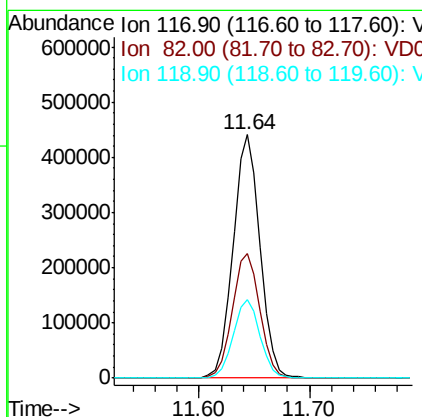
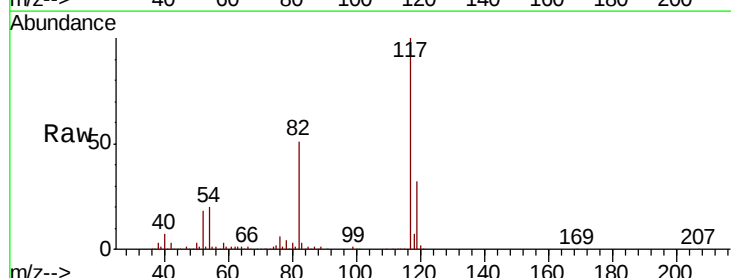
Instrument :
MSVOA_D
ClientSampleId :
SB-3

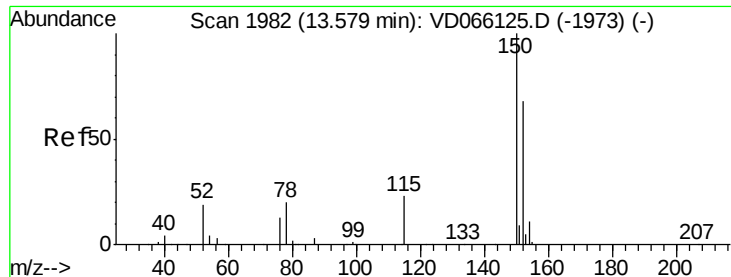
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	180.8
176	86.3	0.0	181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066259.D
Acq: 17 Aug 2020 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	43.0	64.4
119	32.4	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_D

ClientSampled :

SB-3

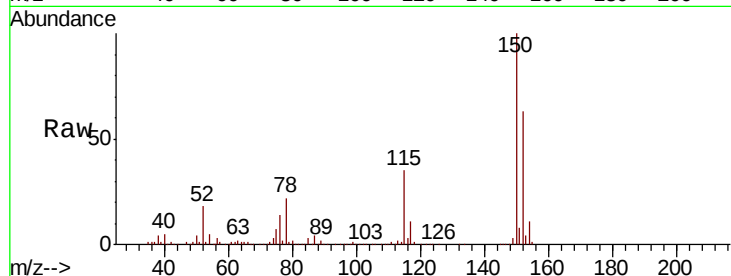
Tot Ion:152 Resp: 452639

Ion Ratio Lower Upper

152 100

115 56.6 28.0 83.9

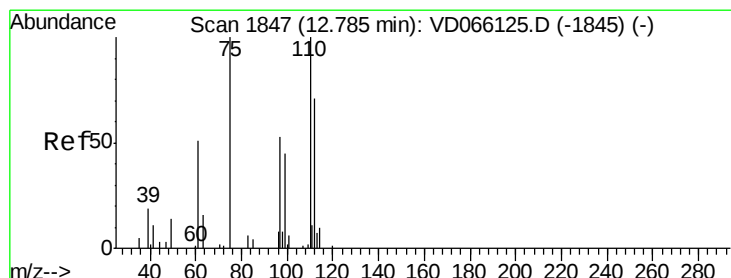
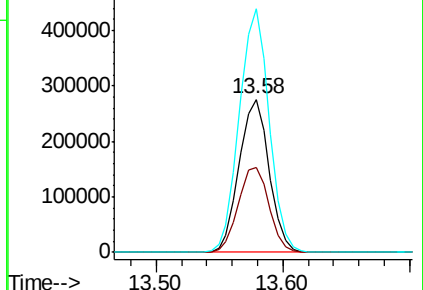
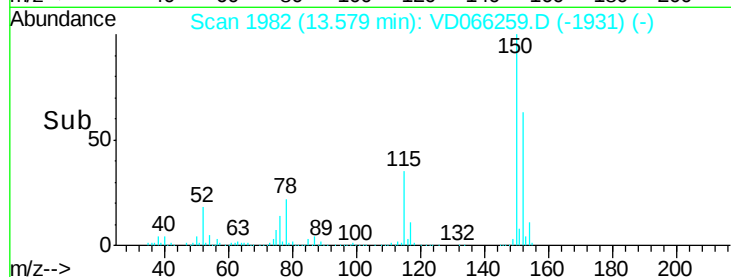
150 158.3 0.0 346.4



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: 50.741 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066259.D

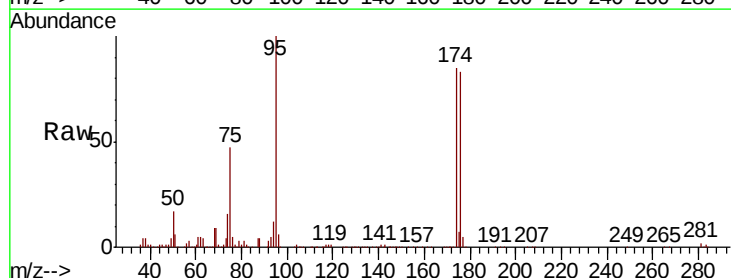
Acq: 17 Aug 2020 15:51

Tgt Ion: 75 Resp: 191532

Ion Ratio Lower Upper

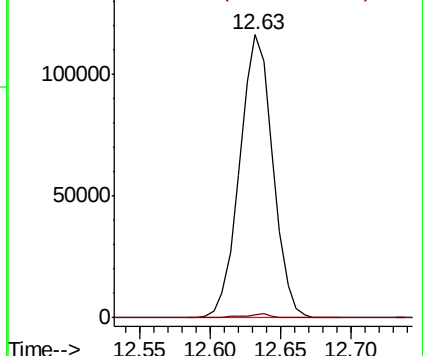
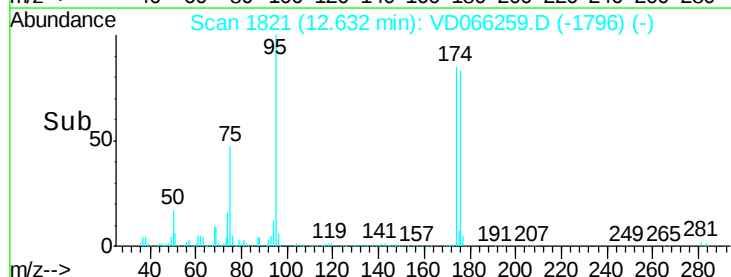
75 100

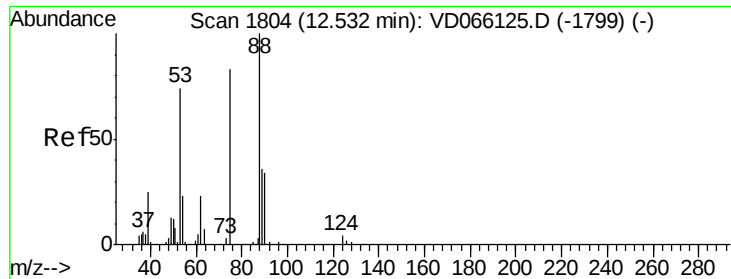
77 1.3 0.0 0.0#



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: 112.166 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066259.D

Acq: 17 Aug 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3

Tot Ion: 75 Resp: 191532

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 36.6 55.0#

