

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066263.D
 Acq On : 17 Aug 2020 17:41
 Operator : VA/SY
 Sample : L3659-04
 Misc : 4.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-2

Quant Time: Aug 18 07:53:35 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	21065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	35792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	49228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	30481	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	13751	73.17	ug/l	0.00
Spiked Amount			Recovery	=	146.34%	
35) Dibromofluoromethane	7.91	113	12667	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	10.33	98	42657	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.63	95	25276	83.80	ug/l	0.00
Spiked Amount			Recovery	=	167.60%	

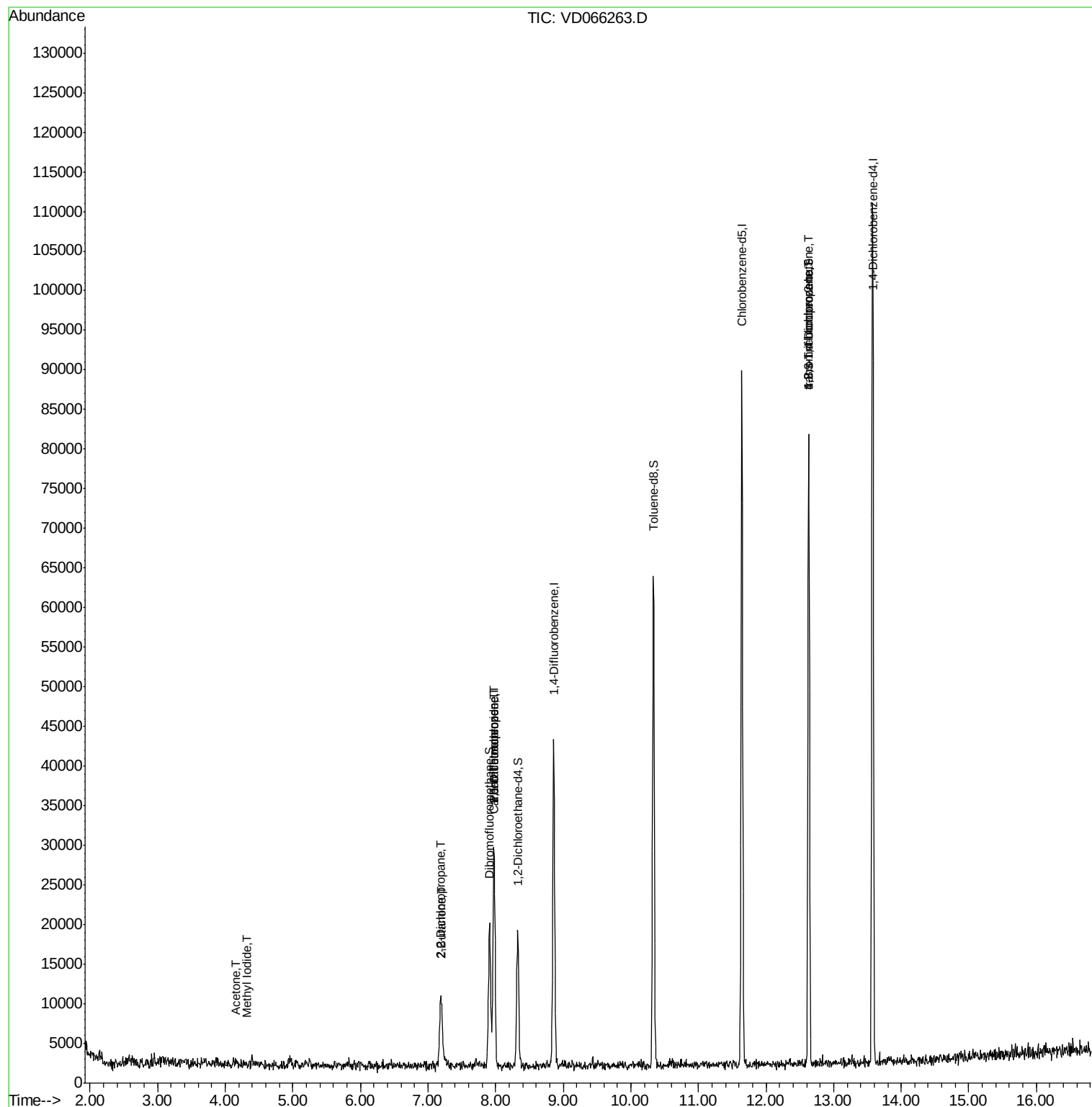
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	54	6.971	ug/l #	39
11) Tert butyl alcohol	5.23	59	98	Below Cal	#	76
16) Acetone	4.17	43	475	13.321	ug/l #	44
20) Methylene Chloride	4.96	84	418	Below Cal	#	58
25) 2-Butanone	7.20	43	316	6.025	ug/l #	47
26) 2,2-Dichloropropane	7.18	77	351	1.132	ug/l #	52
36) 1,1-Dichloropropene	7.97	75	1833	5.450	ug/l #	41
38) Carbon Tetrachloride	7.99	117	2016	5.375	ug/l #	10
76) 1,2,3-Trichloropropane	12.63	75	12006	47.232	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	12006	104.410	ug/l #	13

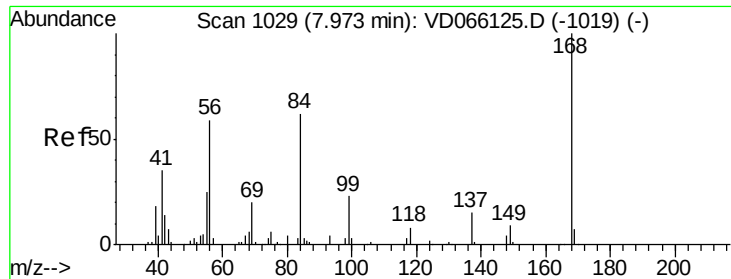
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066263.D

Acq: 17 Aug 2020 17:41

Instrument :

MSVOA_D

ClientSampleId :

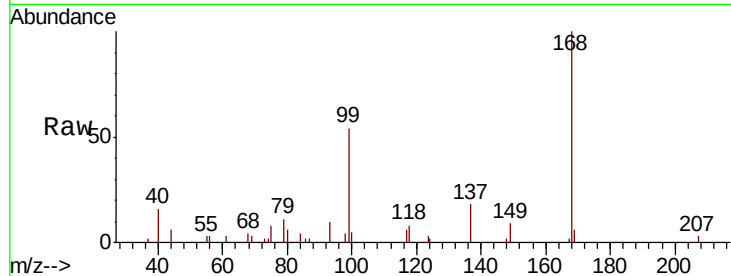
SP1-2

Tot Ion:168 Resp: 21065

Ion Ratio Lower Upper

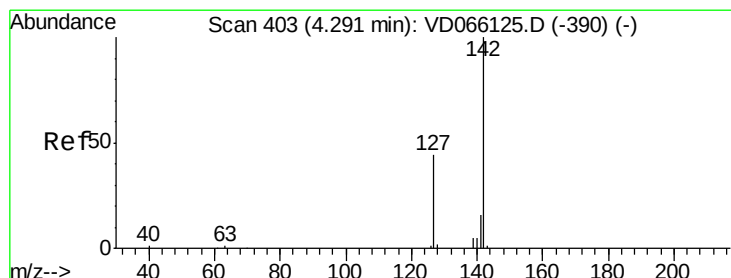
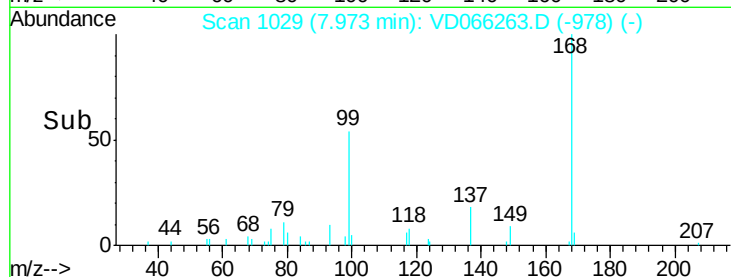
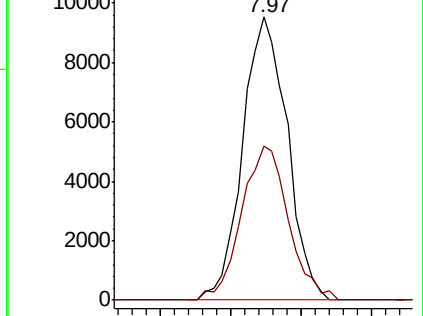
168 100

99 54.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 6.971 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066263.D

Acq: 17 Aug 2020 17:41

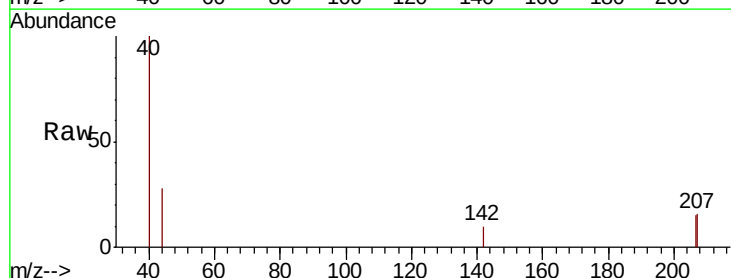
Tgt Ion:142 Resp: 54

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

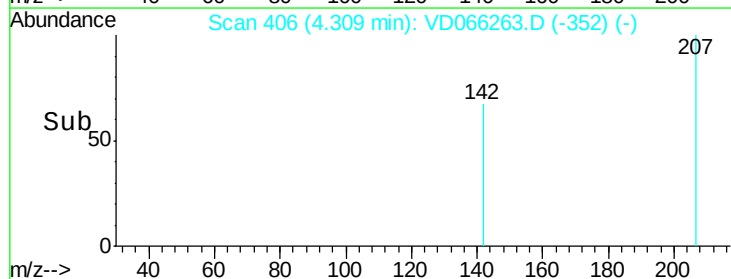
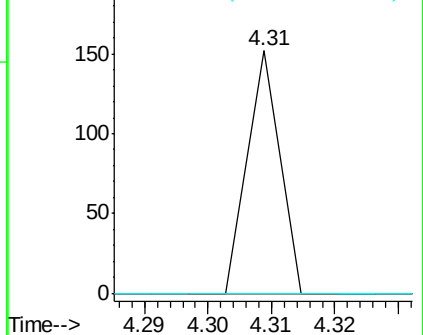
141 0.0 12.6 18.8#

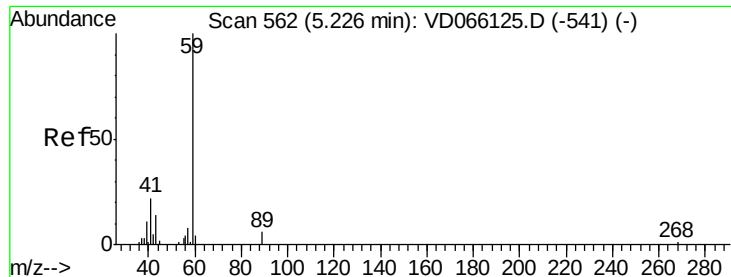


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

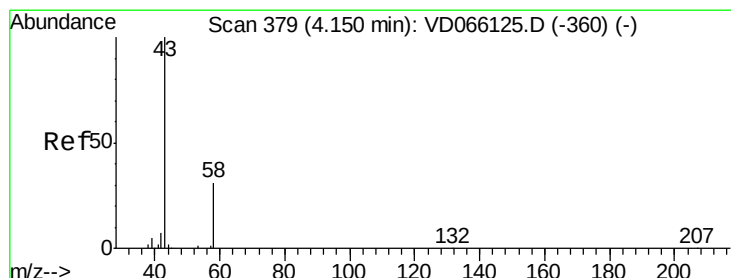
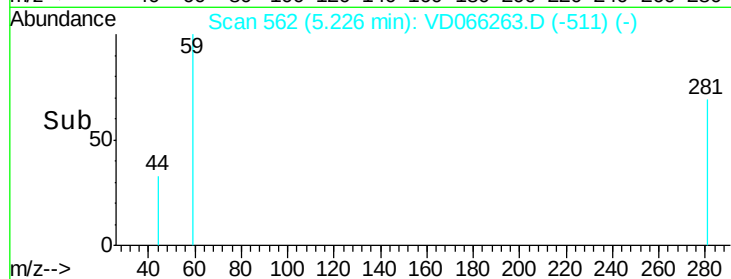
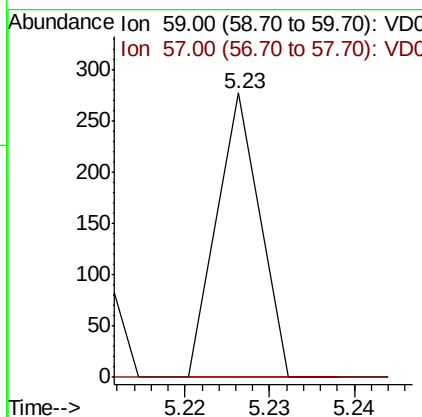
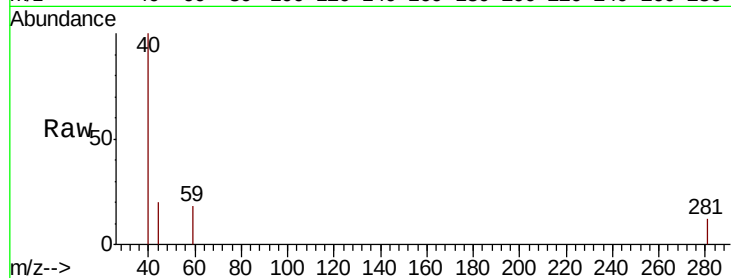




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066263.D
Acq: 17 Aug 2020 17:41

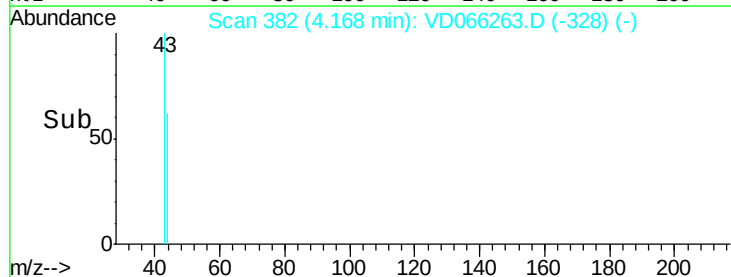
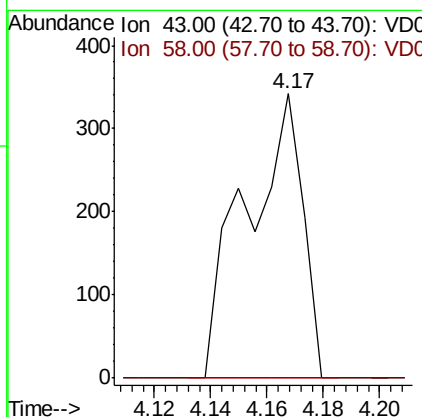
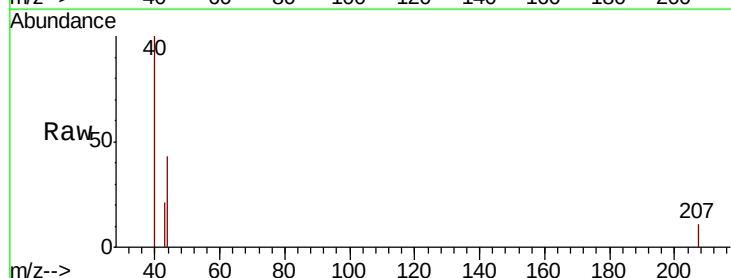
Instrument :
MSVOA_D
ClientSampleId :
SP1-2

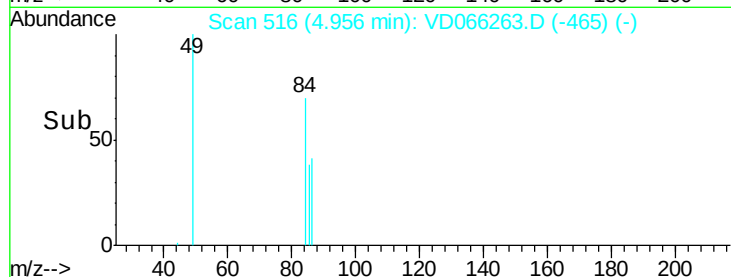
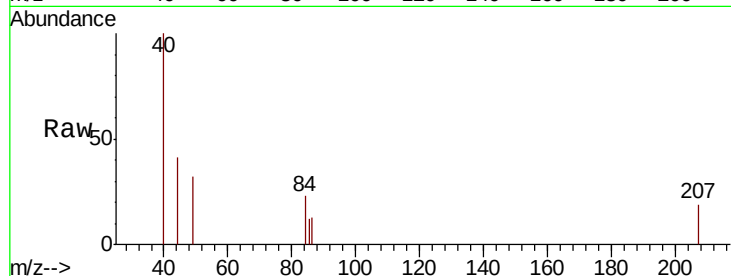
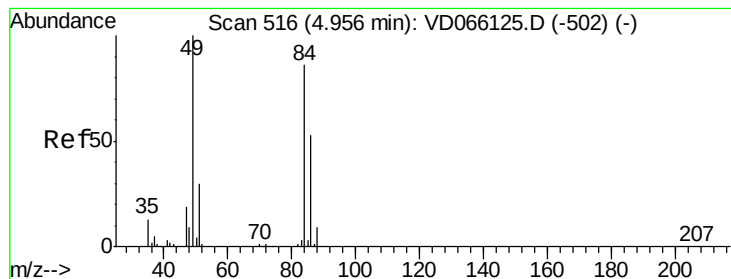
Tot Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#16
Acetone
Concen: 13.321 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.02 min
Lab File: VD066263.D
Acq: 17 Aug 2020 17:41

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
58 0.0 24.7 37.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD066263.D

Acq: 17 Aug 2020 17:41

Instrument :

MSVOA_D

ClientSampleId :

SP1-2

Tot Ion: 84 Resp: 418

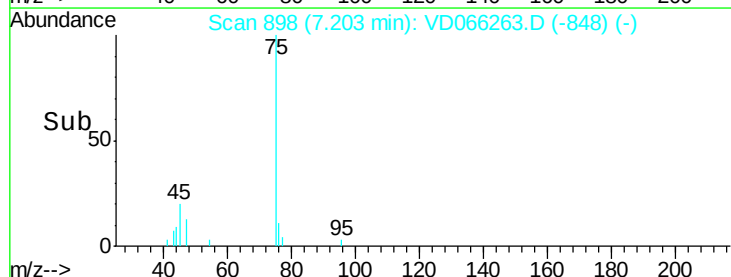
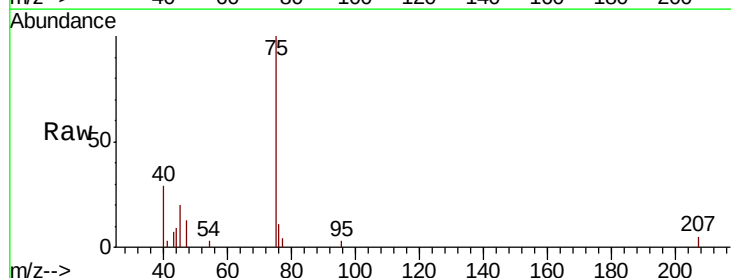
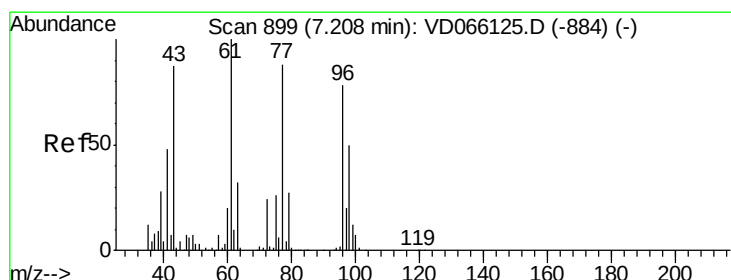
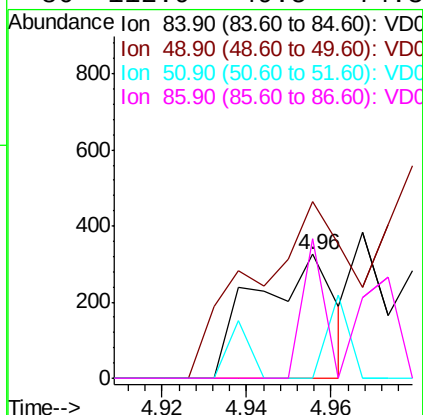
Ion Ratio Lower Upper

84 100

49 142.3 93.5 140.3#

51 0.0 28.2 42.4#

86 112.9 49.5 74.3#



#25

2-Butanone

Concen: 6.025 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066263.D

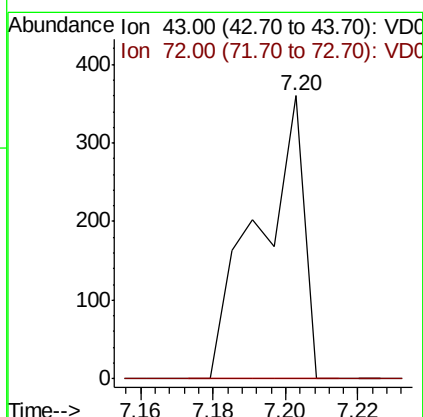
Acq: 17 Aug 2020 17:41

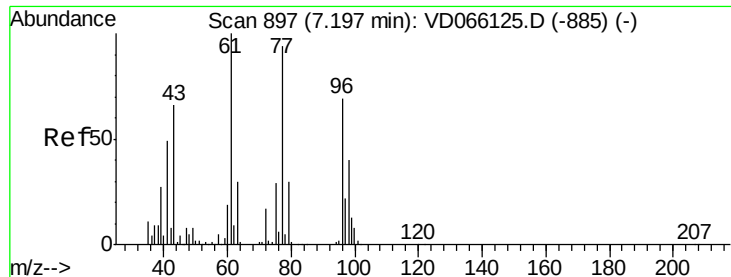
Tgt Ion: 43 Resp: 316

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#





#26

2,2-Dichloropropane

Concen: 1.132 ug/l

RT: 7.18 min Scan# 894

Delta R.T. -0.02 min

Lab File: VD066263.D

Acq: 17 Aug 2020 17:41

Instrument :

MSVOA_D

ClientSampleId :

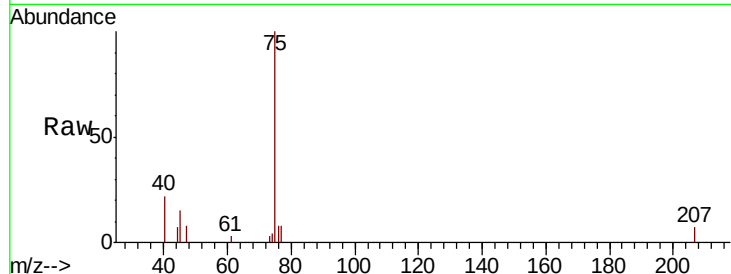
SP1-2

Tot Ion: 77 Resp: 351

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.18

400

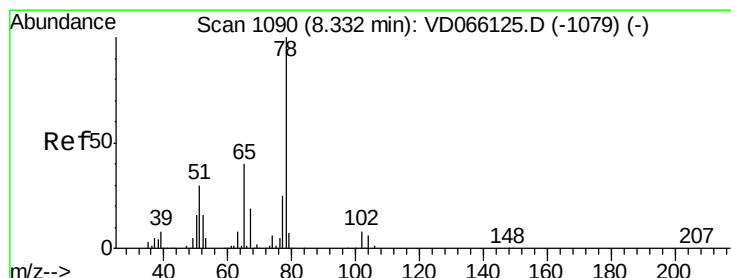
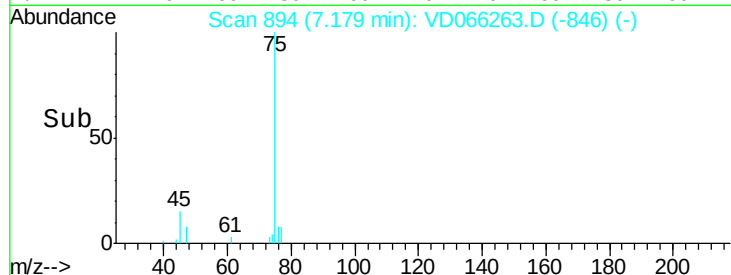
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 73.170 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066263.D

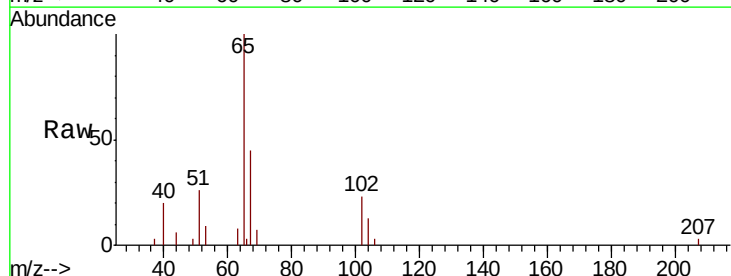
Acq: 17 Aug 2020 17:41

Tgt Ion: 65 Resp: 13751

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

8000

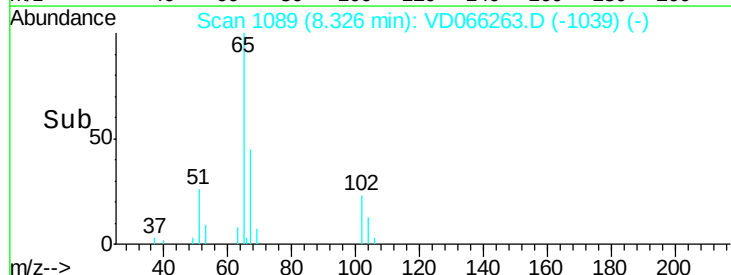
6000

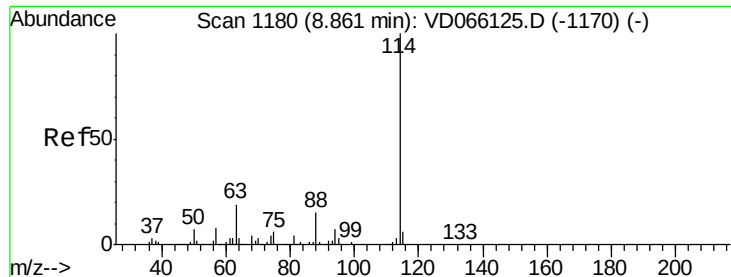
4000

2000

0

Time-->

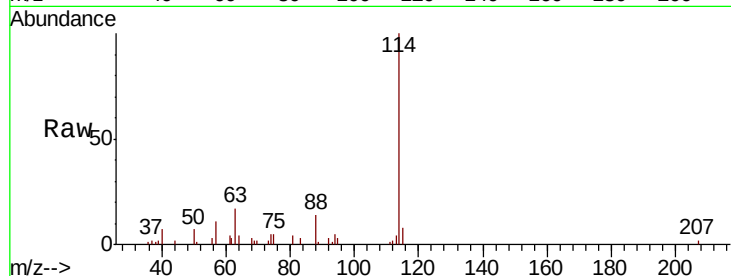




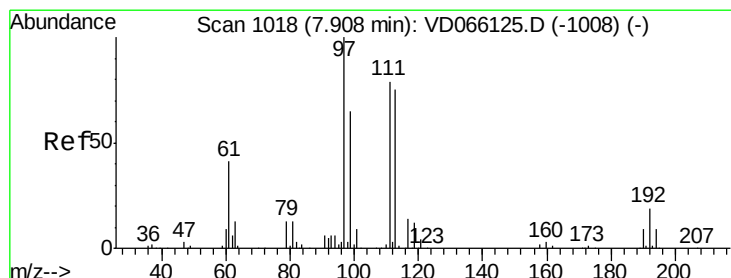
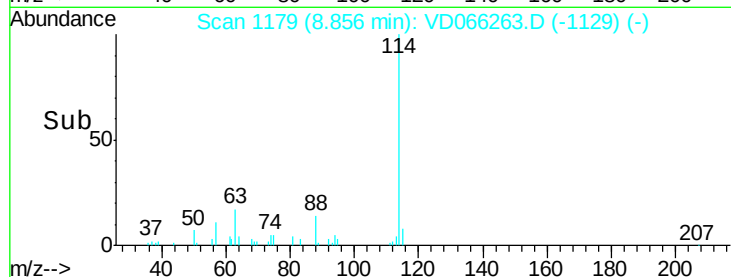
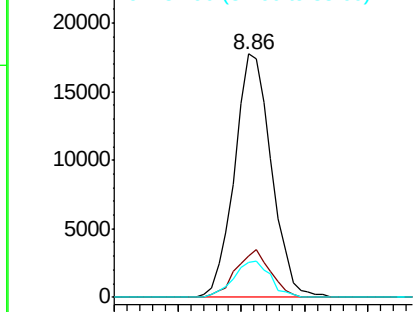
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066263.D
 Acq: 17 Aug 2020 17:41

Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-2

Tot Ion:114 Resp: 35792
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 38.6
 88 14.2 0.0 30.0

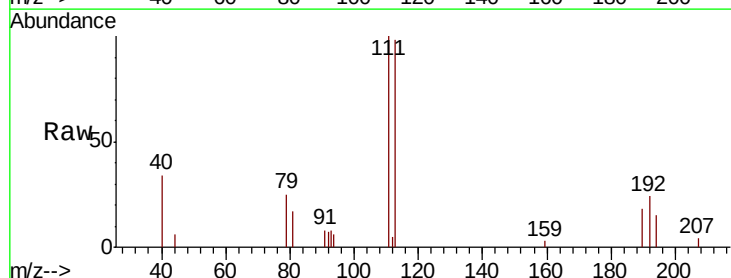


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

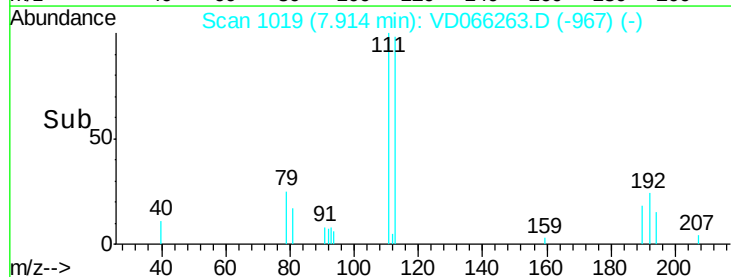
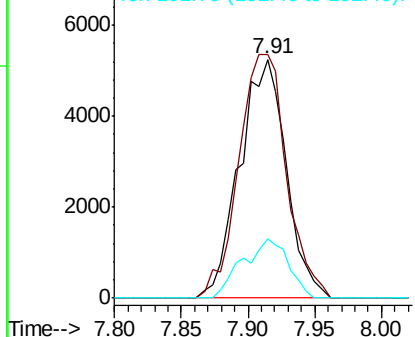


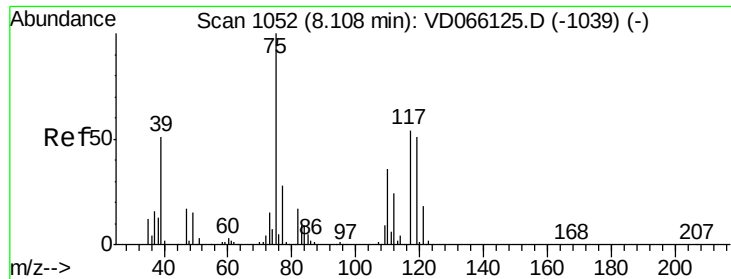
#35
 Dibromofluoromethane
 Concen: 55.866 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066263.D
 Acq: 17 Aug 2020 17:41

Tgt Ion:113 Resp: 12667
 Ion Ratio Lower Upper
 113 100
 111 104.8 80.7 121.1
 192 24.4 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

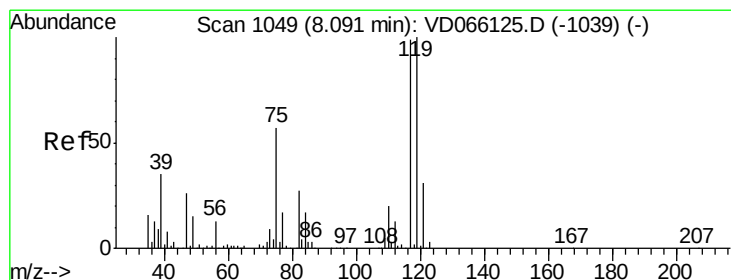
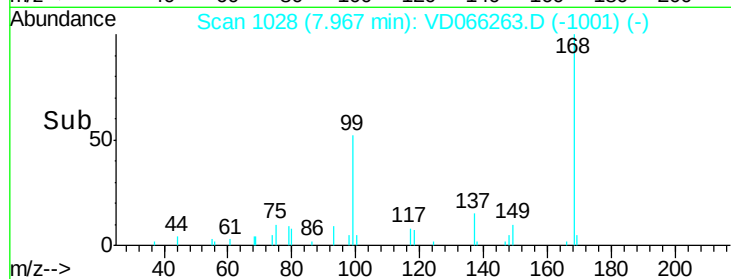
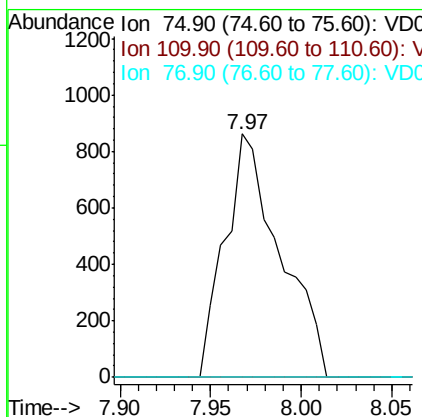
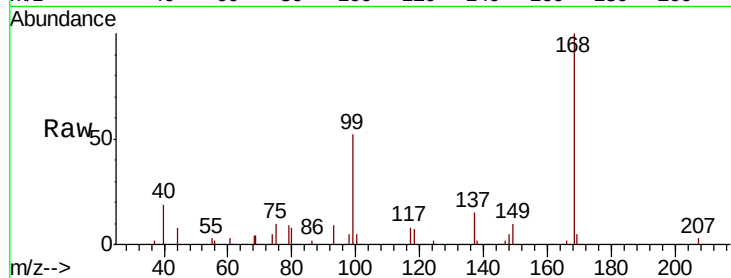




#36
 1,1-Dichloropropene
 Concen: 5.450 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066263.D
 Acq: 17 Aug 2020 17:41

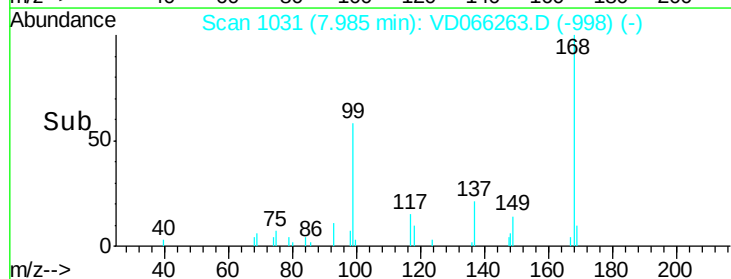
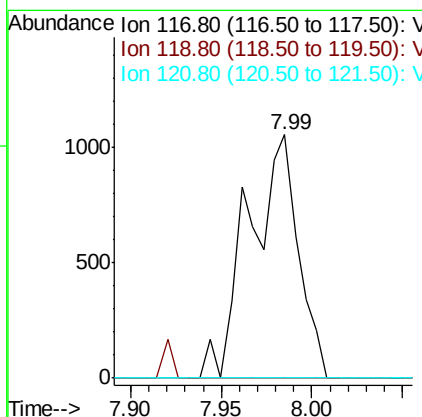
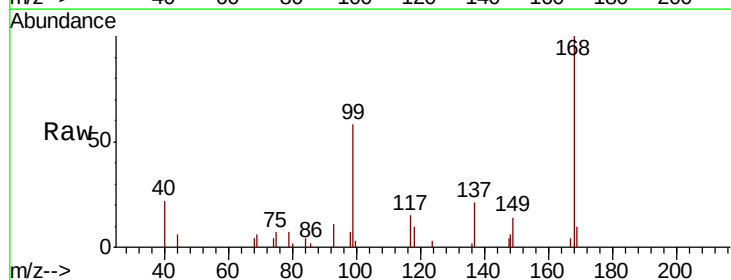
Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-2

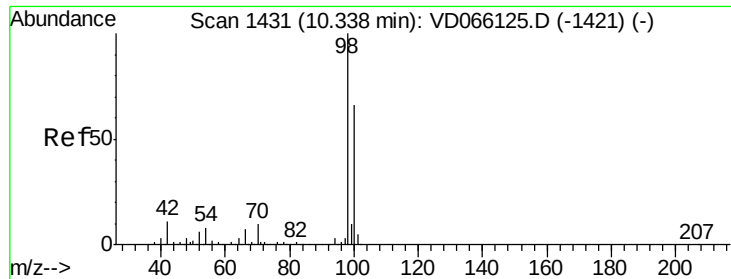
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 5.375 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066263.D
 Acq: 17 Aug 2020 17:41

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

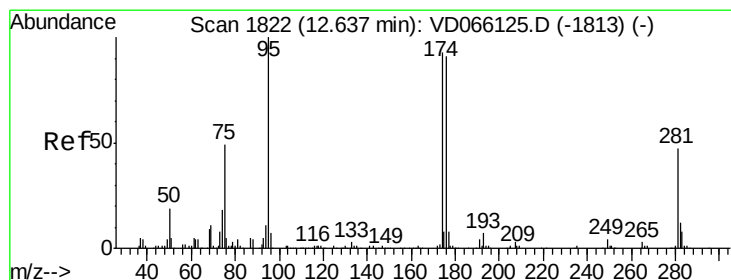
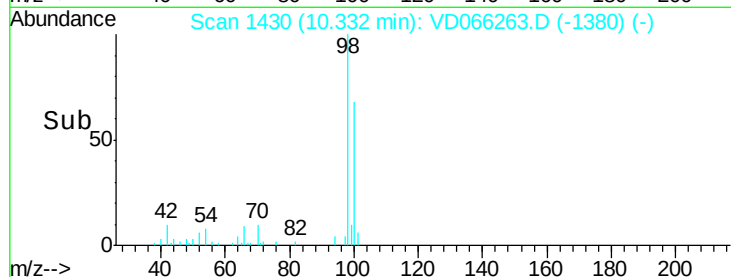
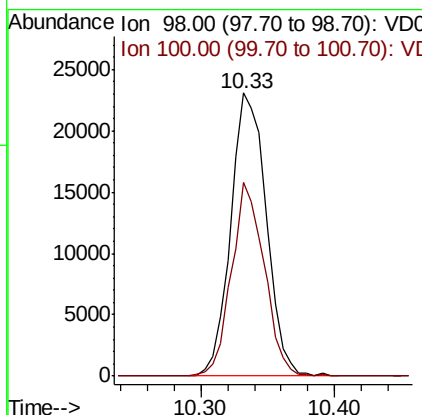
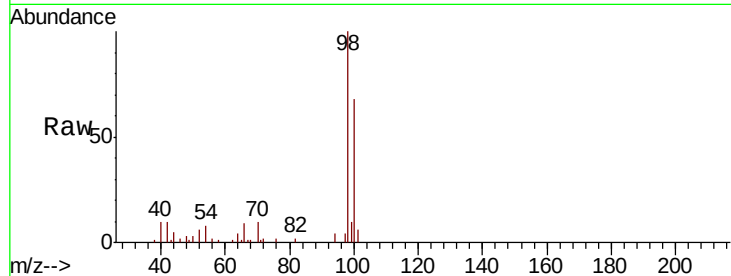




#50
Toluene-d8
Concen: 50.981 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066263.D
Acq: 17 Aug 2020 17:41

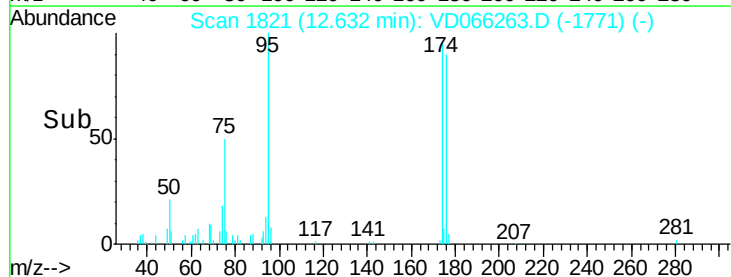
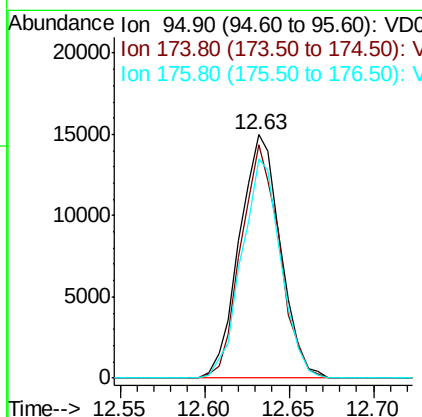
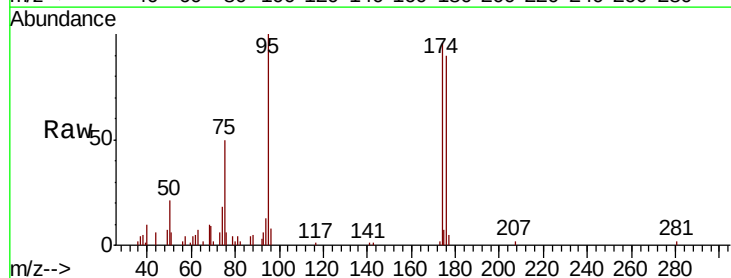
Instrument :
MSVOA_D
ClientSampled :
SP1-2

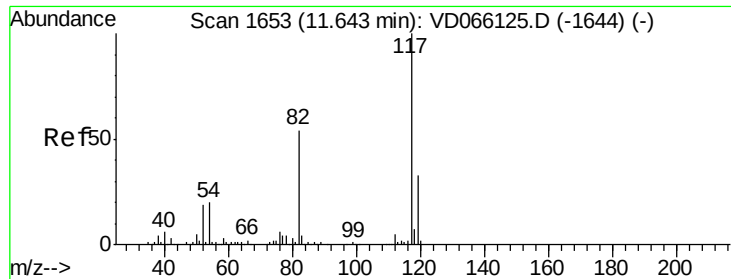
Tot Ion: 98 Resp: 42657
Ion Ratio Lower Upper
98 100
100 63.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 83.805 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066263.D
Acq: 17 Aug 2020 17:41

Tgt Ion: 95 Resp: 25276
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.8
176 85.7 0.0 181.2

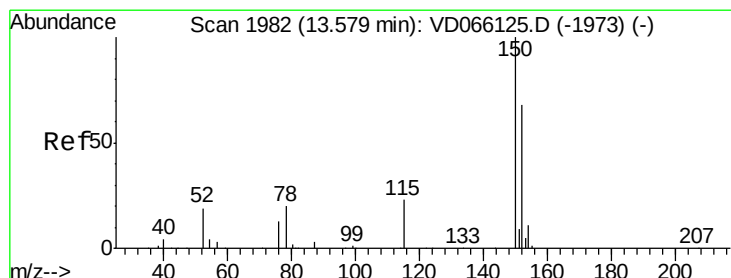
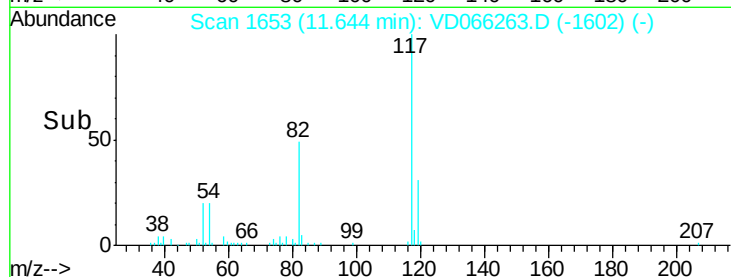
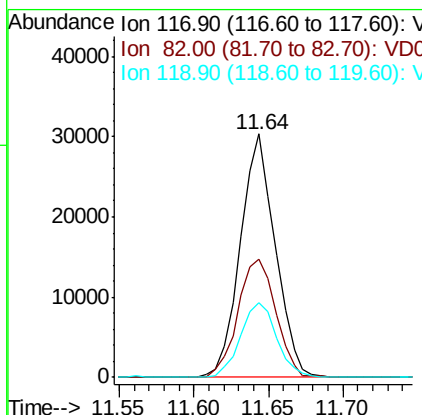
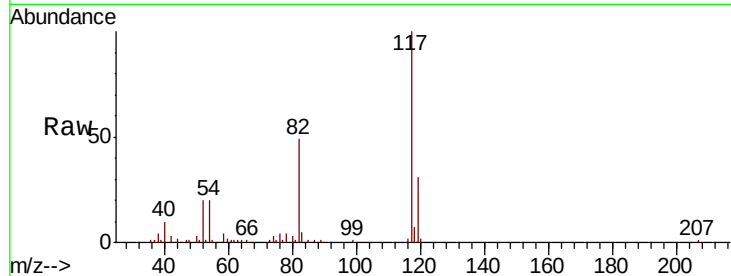




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066263.D
Acq: 17 Aug 2020 17:41

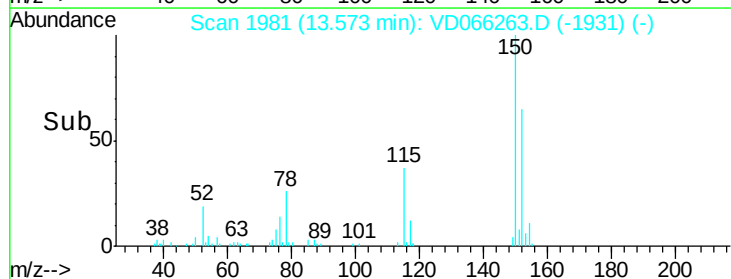
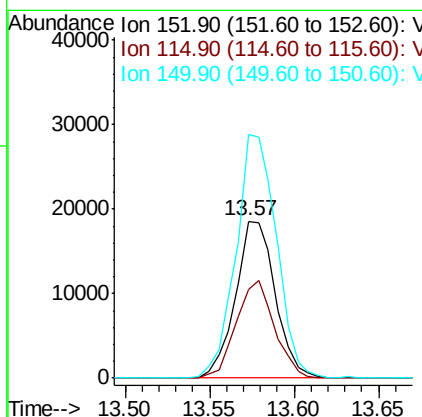
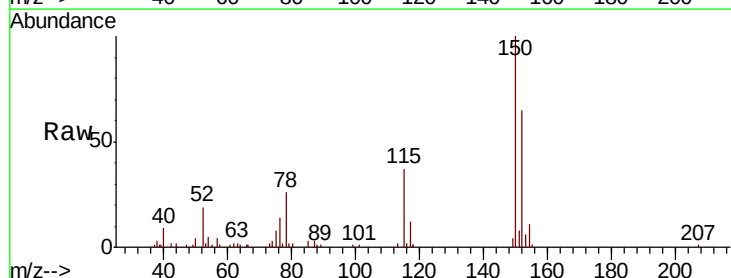
Instrument :
MSVOA_D
ClientSampleId :
SP1-2

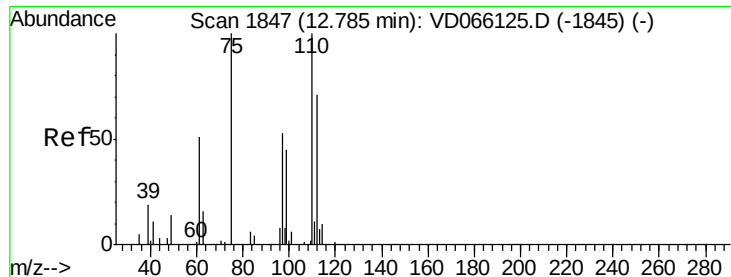
Tot Ion:117 Resp: 49228
Ion Ratio Lower Upper
117 100
82 48.8 43.0 64.4
119 30.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066263.D
Acq: 17 Aug 2020 17:41

Tgt Ion:152 Resp: 30481
Ion Ratio Lower Upper
152 100
115 59.6 28.0 83.9
150 158.0 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 47.232 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066263.D

Acq: 17 Aug 2020 17:41

Instrument :

MSVOA_D

ClientSampleId :

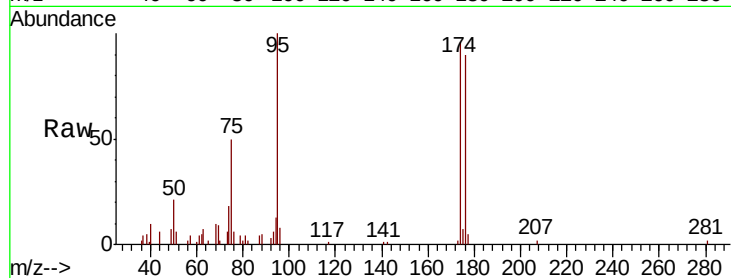
SP1-2

Tot Ion: 75 Resp: 12006

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

8000

6000

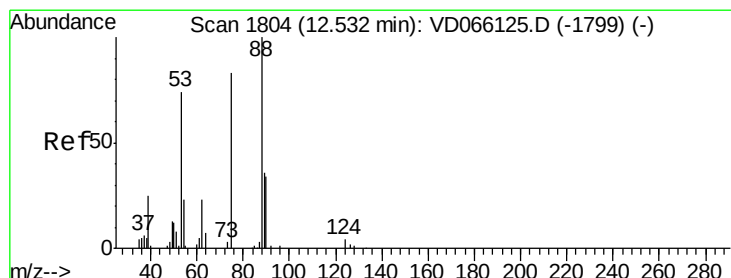
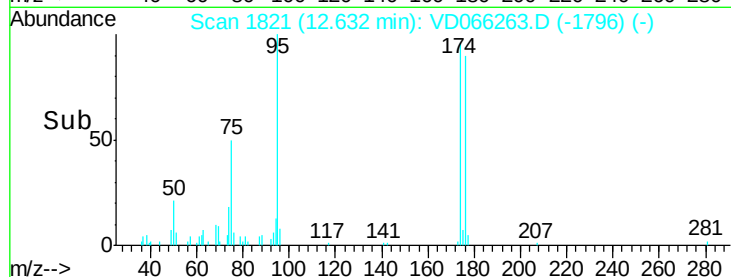
4000

2000

0

12.60 12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 104.410 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066263.D

Acq: 17 Aug 2020 17:41

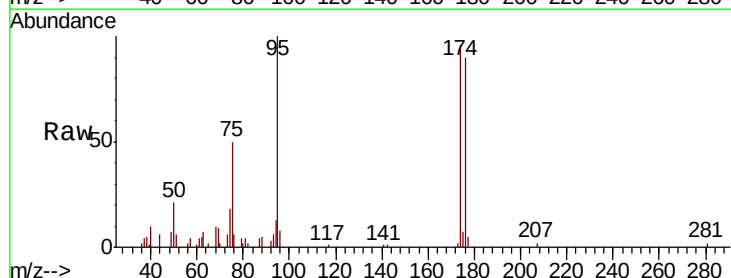
Tgt Ion: 75 Resp: 12006

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 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

10000

8000

6000

4000

2000

0

12.60 12.65

Time-->

