

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066240.D
 Acq On : 14 Aug 2020 16:54
 Operator : VA/SY
 Sample : L3679-10
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S410-K-SO-1-1.5-081220

Quant Time: Aug 17 08:46:21 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	326994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	496718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	608314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299508	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	130690	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
35) Dibromofluoromethane	7.91	113	152867	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	10.33	98	626756	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.63	95	288032	68.81	ug/l	0.00
Spiked Amount			Recovery	=	137.62%	

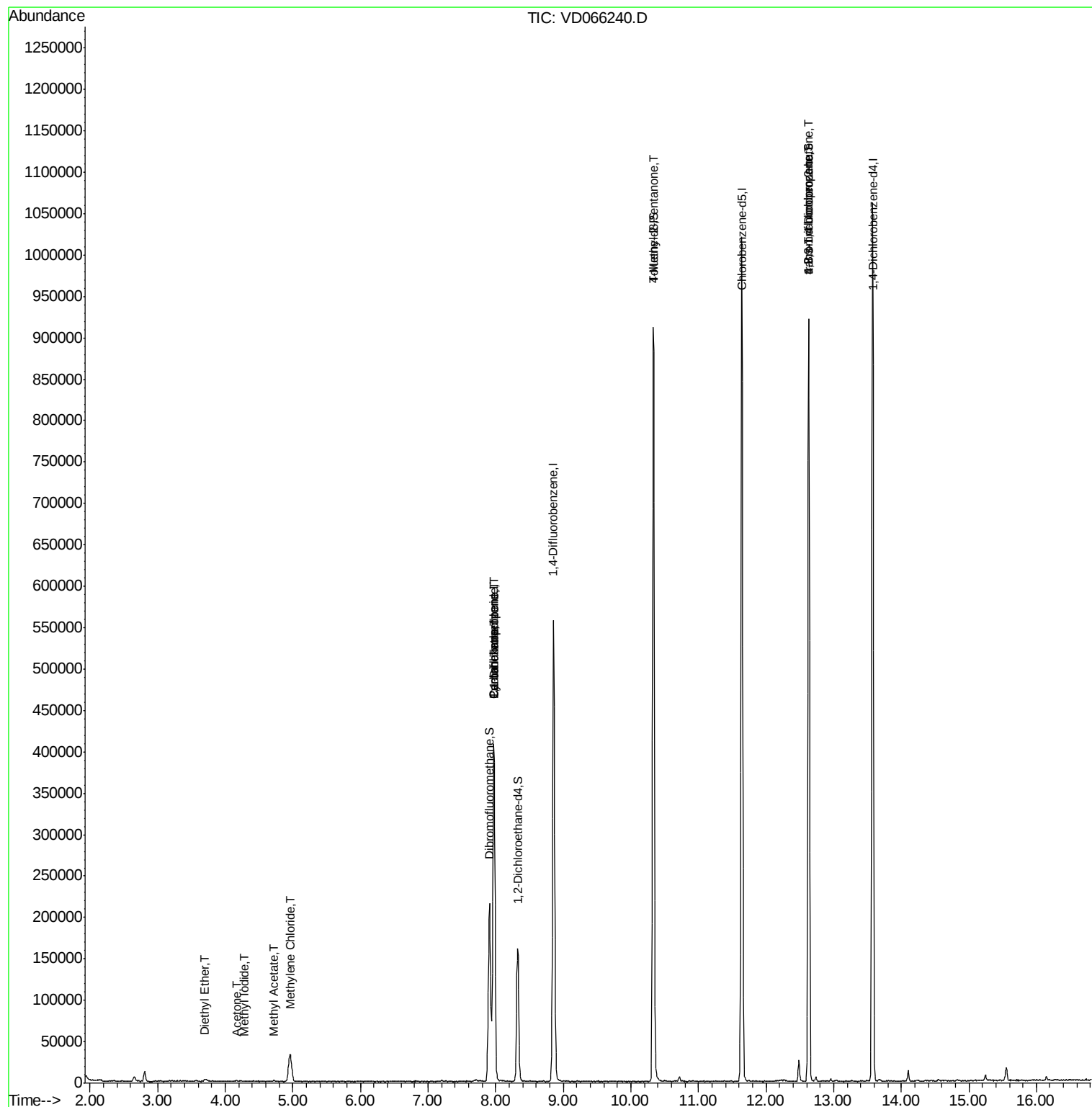
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1522	1.043	ug/l	93
10) Methyl Iodide	4.28	142	65	6.731	ug/l #	1
11) Tert butyl alcohol	5.21	59	185	Below Cal	#	76
16) Acetone	4.17	43	1304	2.356	ug/l #	77
18) Methyl Acetate	4.72	43	1806	1.285	ug/l #	87
20) Methylene Chloride	4.96	84	26784	4.148	ug/l	96
31) Cyclohexane	7.98	56	6439	1.260	ug/l #	38
36) 1,1-Dichloropropene	7.97	75	21661	4.641	ug/l #	50
38) Carbon Tetrachloride	7.97	117	32100	6.167	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	2842	1.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	147138	58.910	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147138	130.224	ug/l #	13

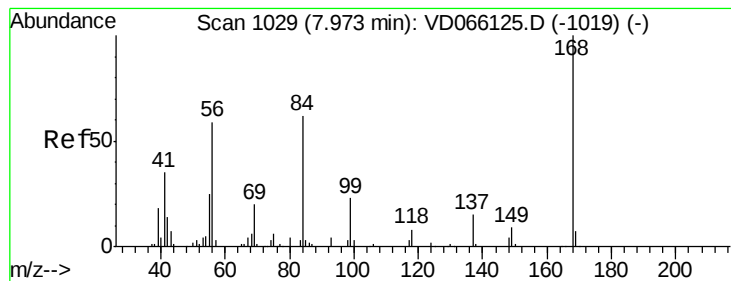
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081420\
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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: VD066240.D

Acq: 14 Aug 2020 16:54

Instrument :

MSVOA_D

ClientSampleId :

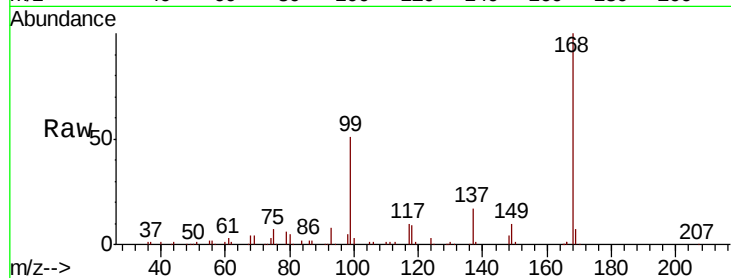
S410-K-SO-1-1.5-081220

Tot Ion:168 Resp: 326994

Ion Ratio Lower Upper

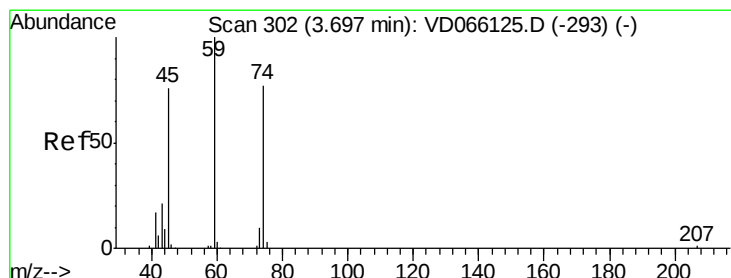
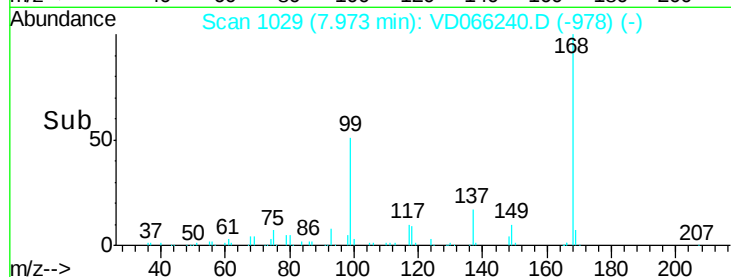
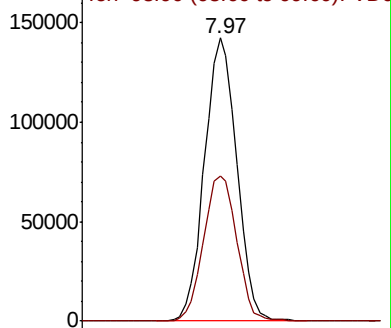
168 100

99 51.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.043 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.00 min

Lab File: VD066240.D

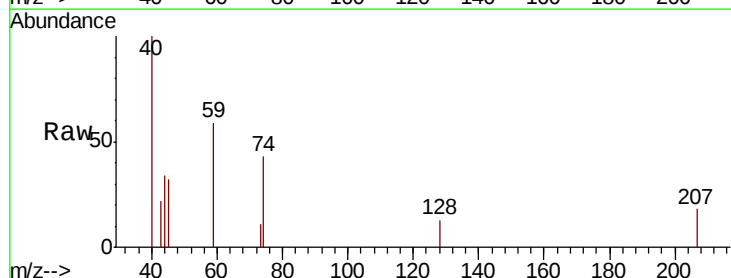
Acq: 14 Aug 2020 16:54

Tgt Ion: 74 Resp: 1522

Ion Ratio Lower Upper

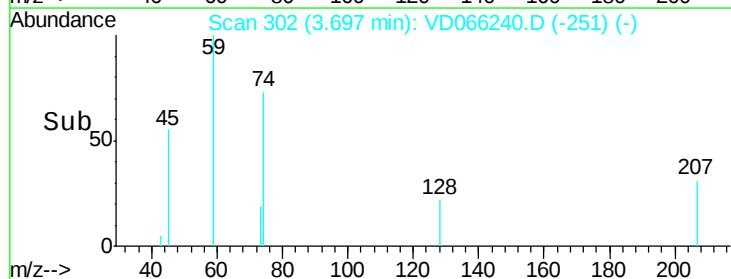
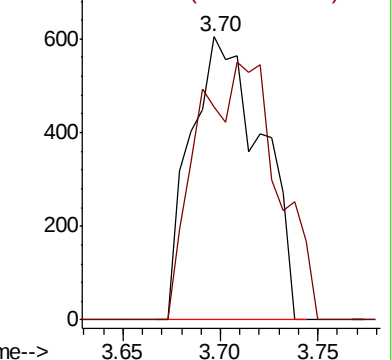
74 100

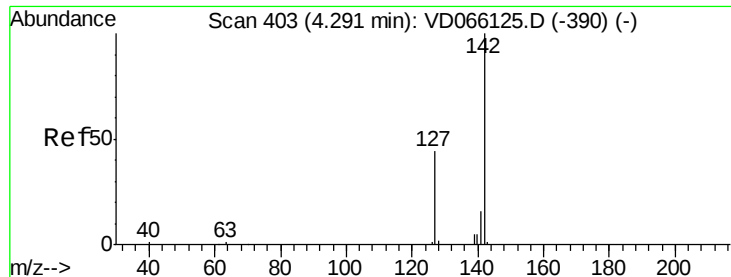
45 103.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

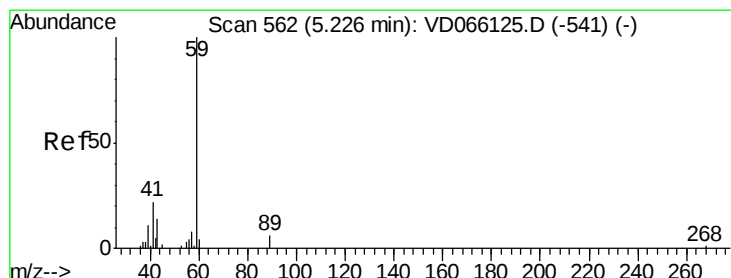
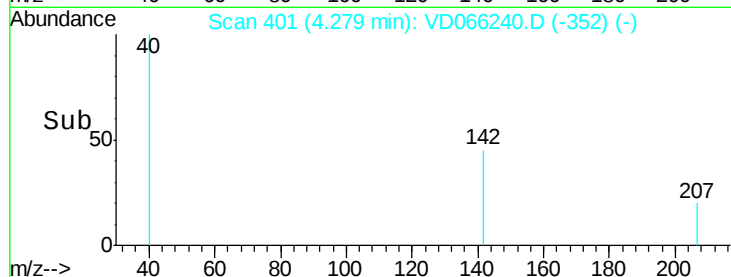
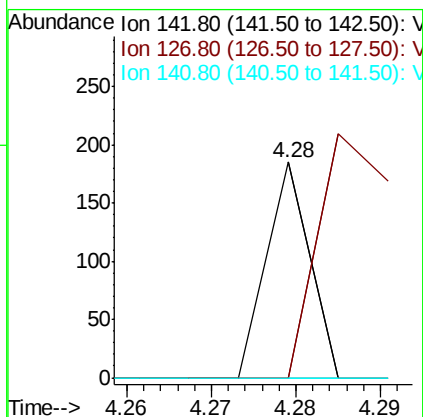
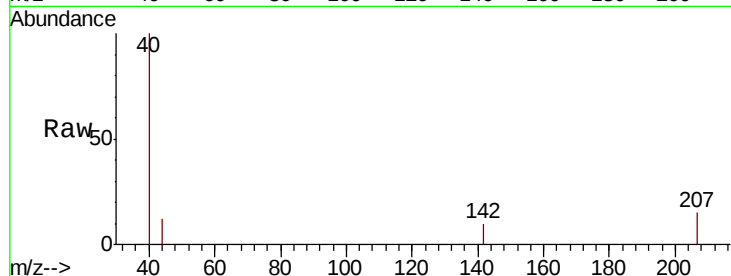




#10
Methyl Iodide
Concen: 6.731 ug/l
RT: 4.28 min Scan# 401
Delta R.T. -0.01 min
Lab File: VD066240.D
Acq: 14 Aug 2020 16:54

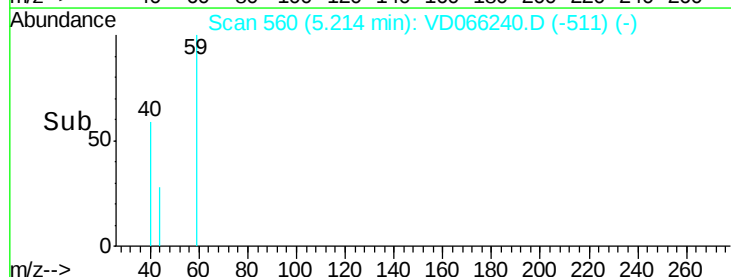
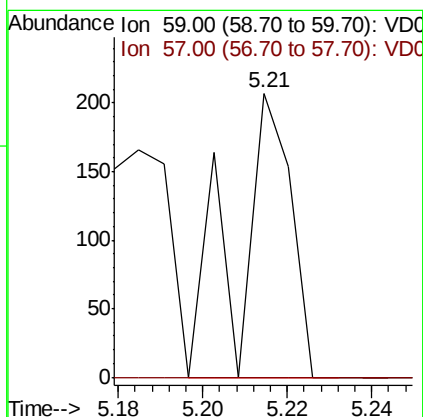
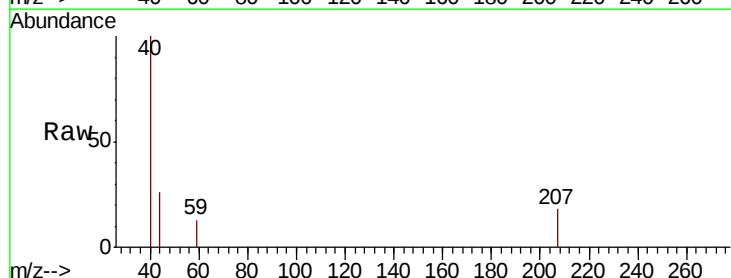
Instrument :
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S410-K-SO-1-1.5-081220

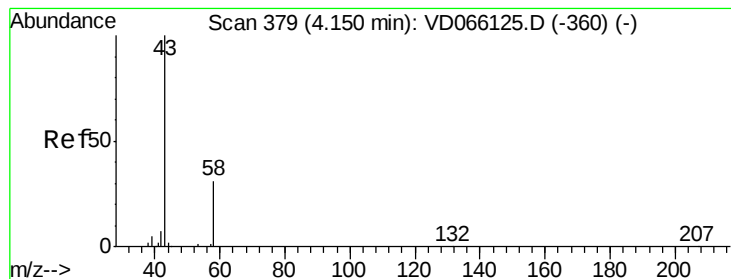
Tot Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 204.6 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066240.D
Acq: 14 Aug 2020 16:54

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#16

Acetone

Concen: 2.356 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

Instrument :

MSVOA_D

ClientSampleId :

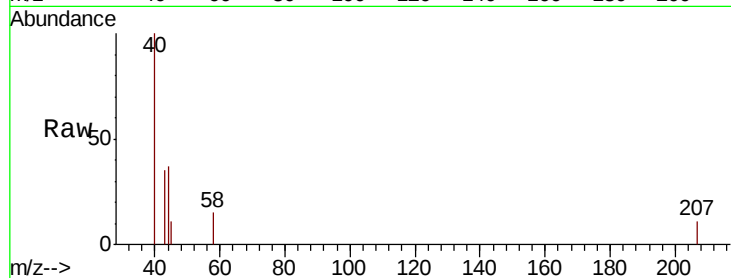
S410-K-SO-1-1.5-081220

Tot Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

58 43.6 24.7 37.1#



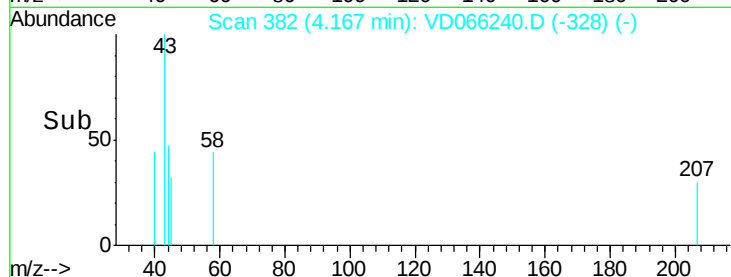
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

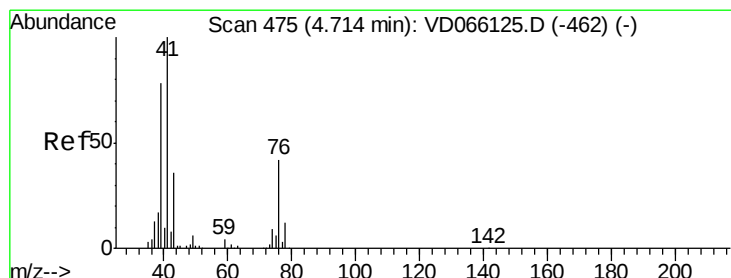
4.17

4.15

4.20



Time-->



#18

Methyl Acetate

Concen: 1.285 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066240.D

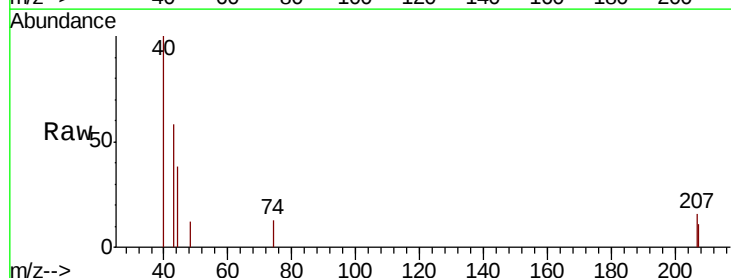
Acq: 14 Aug 2020 16:54

Tgt Ion: 43 Resp: 1806

Ion Ratio Lower Upper

43 100

74 19.9 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

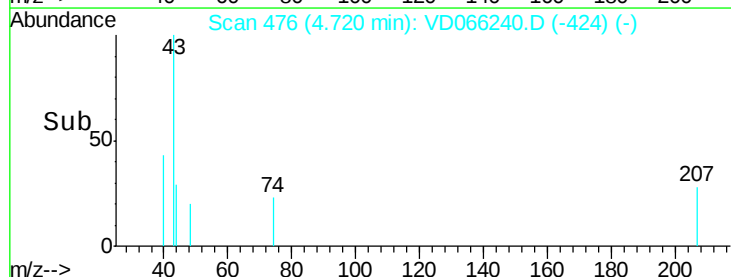
Ion 74.00 (73.70 to 74.70): VDC

4.72

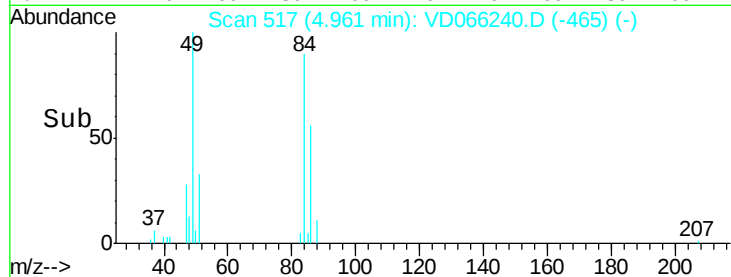
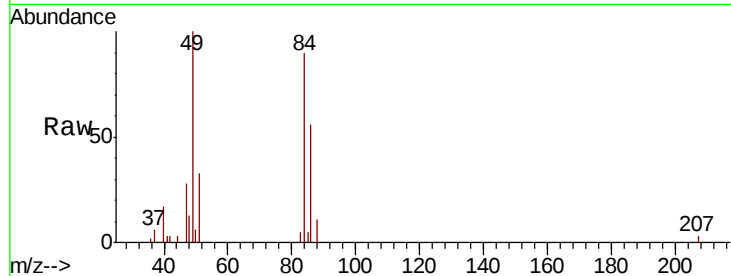
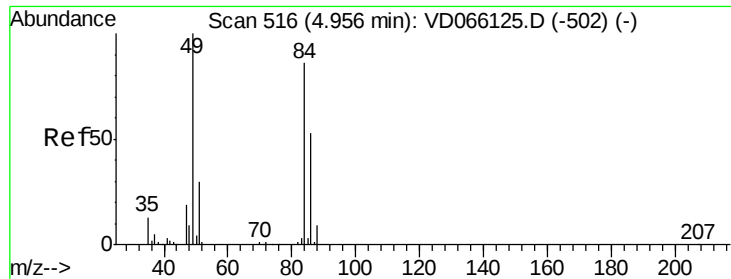
4.65

4.75

4.80



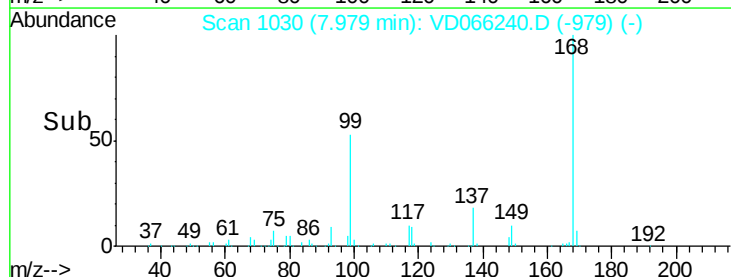
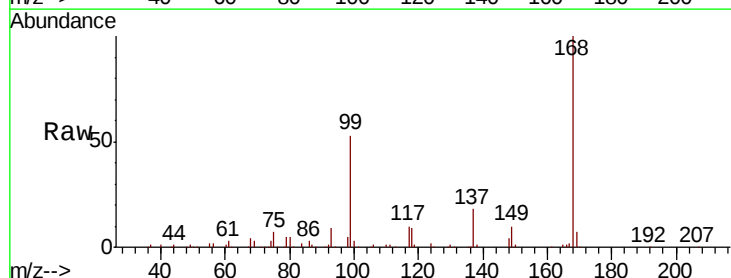
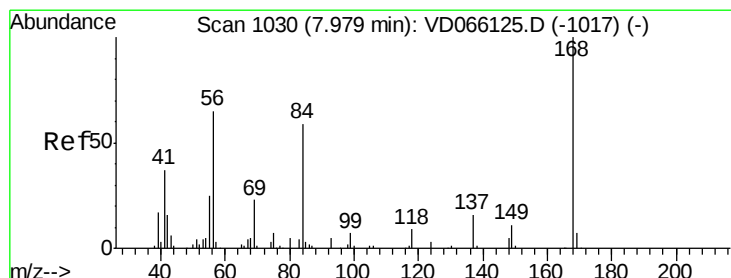
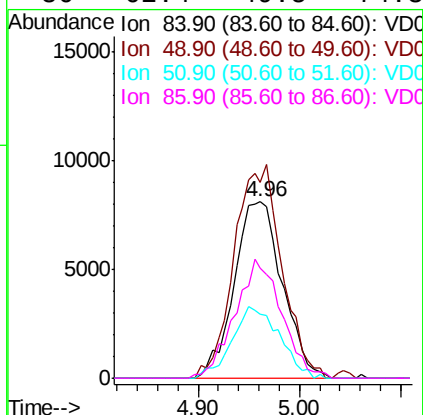
Time-->



#20
Methvlene Chloride
Concen: 4.148 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066240.D
Acq: 14 Aug 2020 16:54

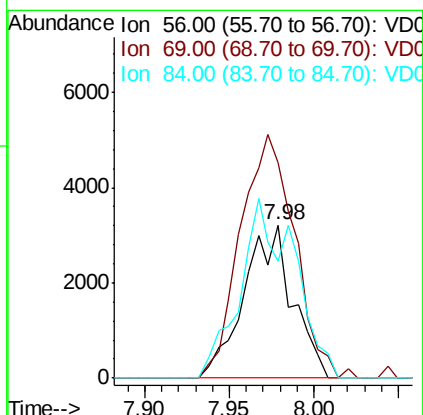
Instrument :
MSVOA_D
ClientSampleId :
S410-K-SO-1-1.5-081220

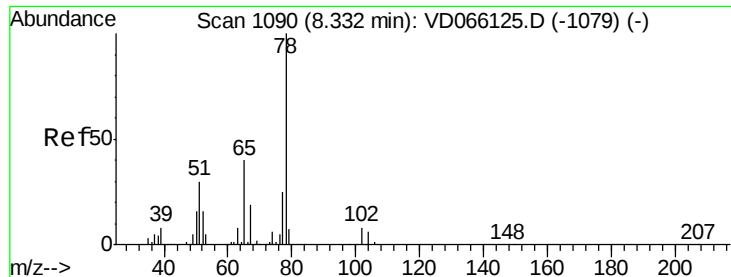
Tot Ion:	84	Resp:	26784
Ion	Ratio	Lower	Upper
84	100		
49	110.7	93.5	140.3
51	36.5	28.2	42.4
86	62.4	49.5	74.3



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066240.D
Acq: 14 Aug 2020 16:54

Tgt Ion:	56	Resp:	6439
Ion	Ratio	Lower	Upper
56	100		
69	141.5	28.8	43.2#
84	76.5	73.0	109.6

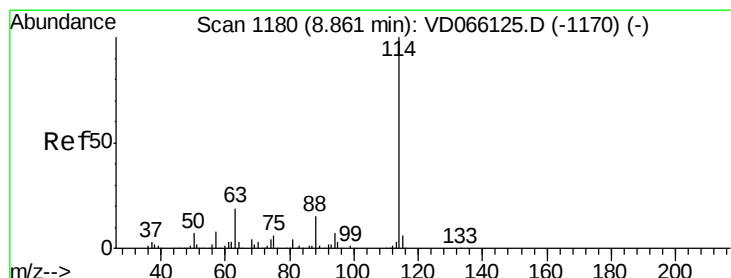
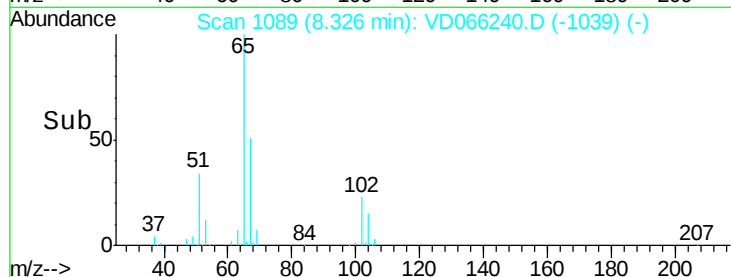
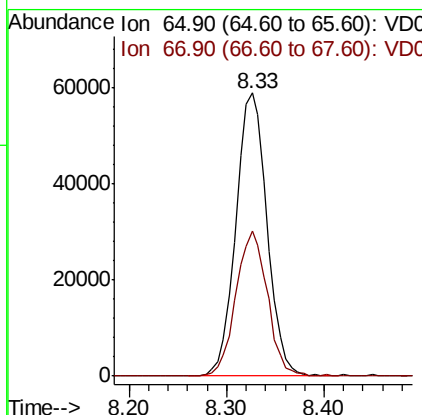
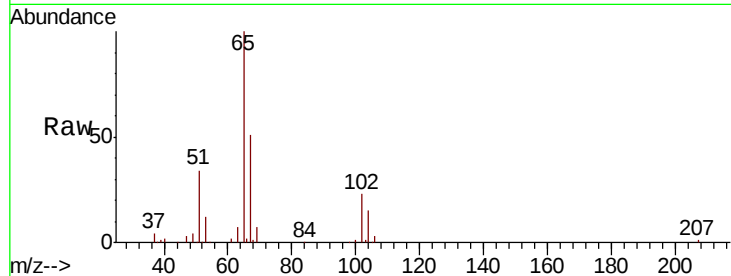




#33
 1,2-Dichloroethane-d4
 Concen: 44.799 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066240.D
 Acq: 14 Aug 2020 16:54

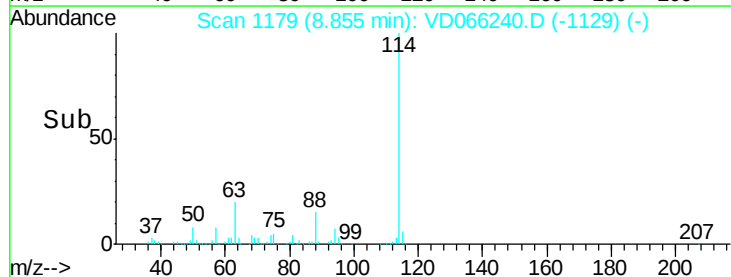
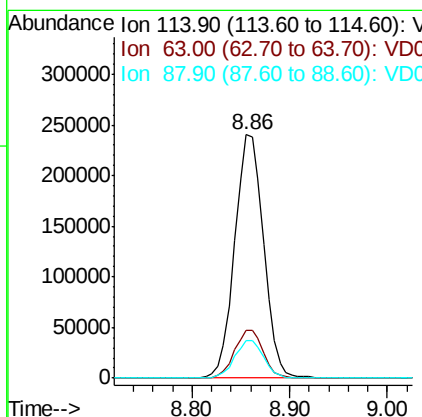
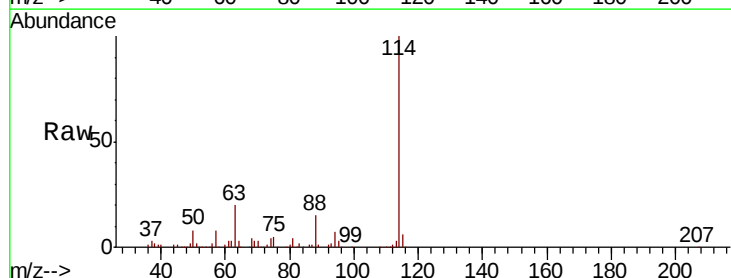
Instrument :
 MSVOA_D
 ClientSampleId :
 S410-K-SO-1-1.5-081220

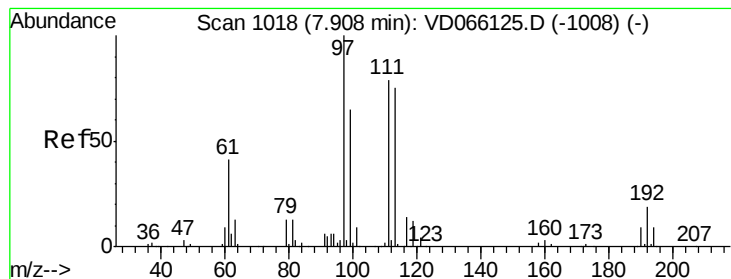
Tot Ion: 65 Resp: 130690
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066240.D
 Acq: 14 Aug 2020 16:54

Tgt Ion: 114 Resp: 496718
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.581 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

Instrument :

MSVOA_D

ClientSampleId :

S410-K-SO-1-1.5-081220

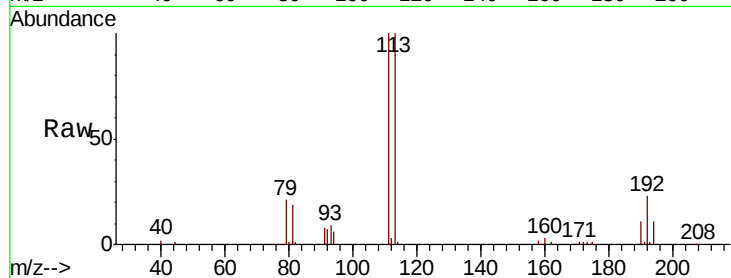
Tot Ion:113 Resp: 152867

Ion Ratio Lower Upper

113 100

111 101.9 80.7 121.1

192 22.4 18.4 27.6



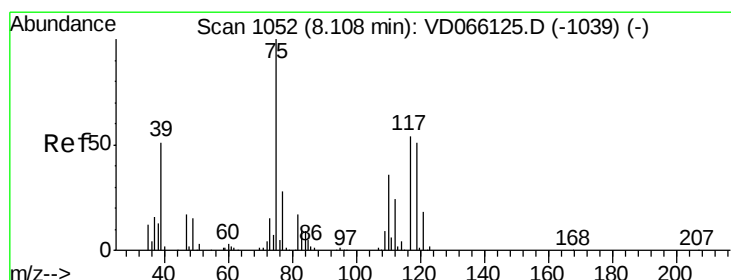
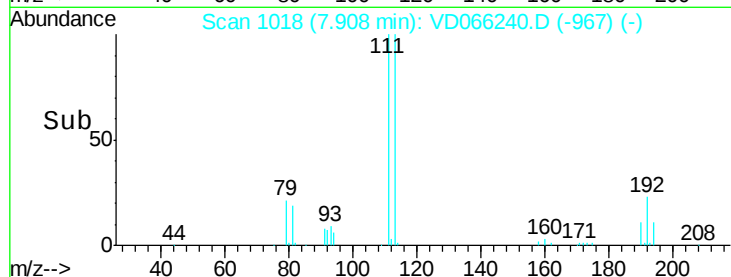
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.91

Time-->



#36

1,1-Dichloropropene

Concen: 4.641 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

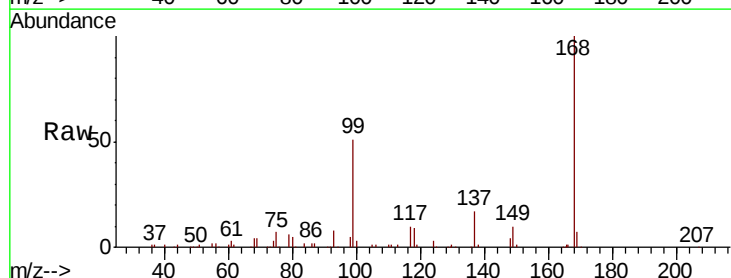
Tgt Ion: 75 Resp: 21661

Ion Ratio Lower Upper

75 100

110 10.2 18.8 56.3#

77 0.0 24.2 36.2#



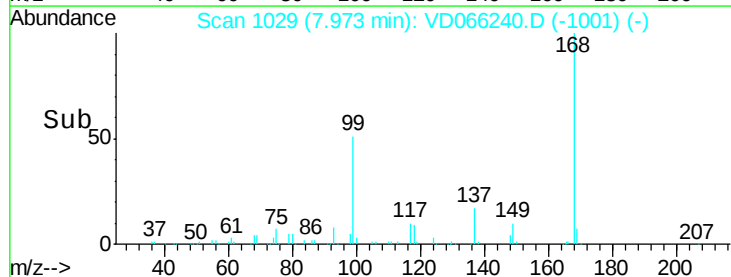
Abundance Ion 74.90 (74.60 to 75.60): V

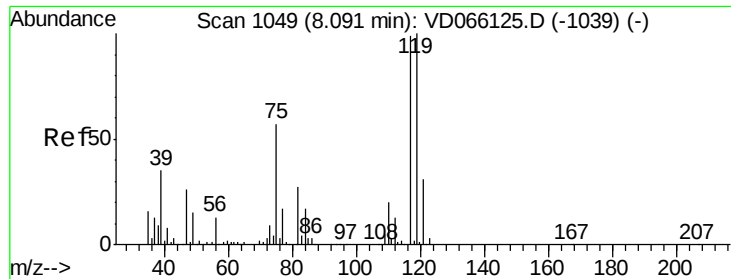
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

7.97

Time-->





#38

Carbon Tetrachloride

Concen: 6.167 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

Instrument :

MSVOA_D

ClientSampleId :

S410-K-SO-1-1.5-081220

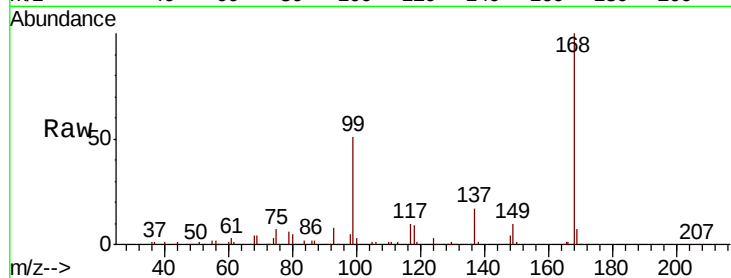
Tot Ion:117 Resp: 32100

Ion Ratio Lower Upper

117 100

119 7.0 81.0 121.4#

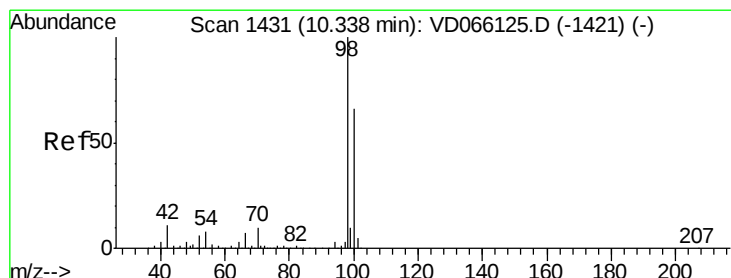
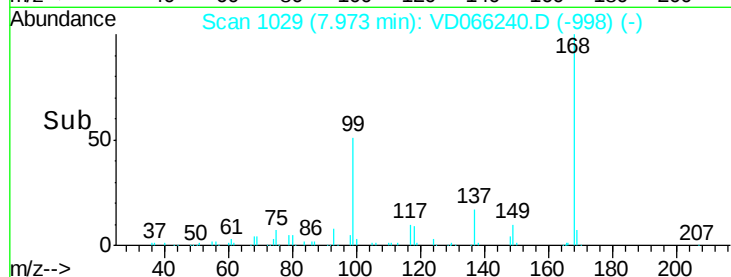
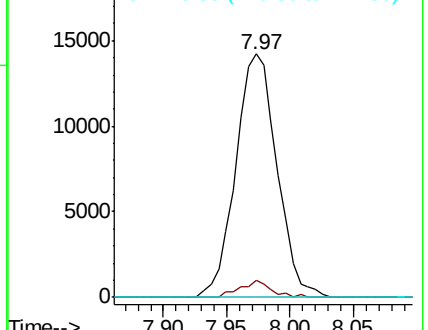
121 0.0 24.8 37.2#



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: 53.975 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066240.D

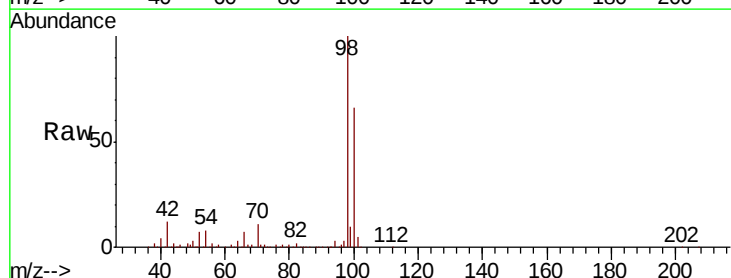
Acq: 14 Aug 2020 16:54

Tgt Ion: 98 Resp: 626756

Ion Ratio Lower Upper

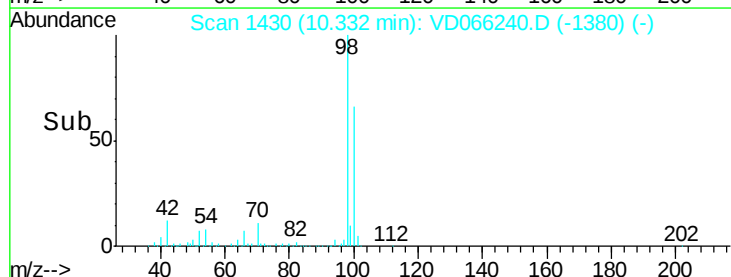
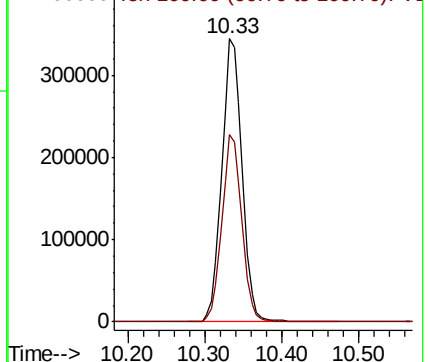
98 100

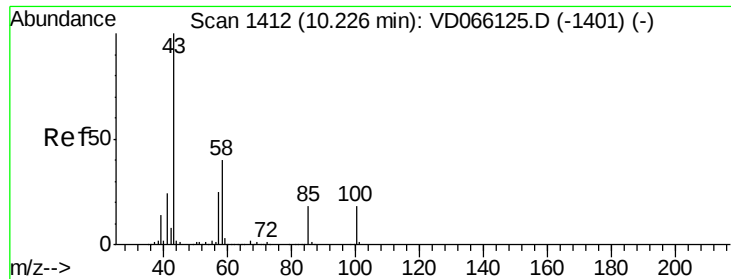
100 65.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.518 ug/l

RT: 10.33 min Scan# 1429

Delta R.T. 0.10 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

Instrument :

MSVOA_D

ClientSampleId :

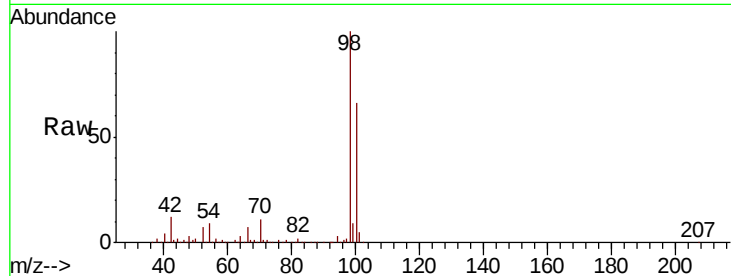
S410-K-SO-1-1.5-081220

Tot Ion: 43 Resp: 2842

Ion Ratio Lower Upper

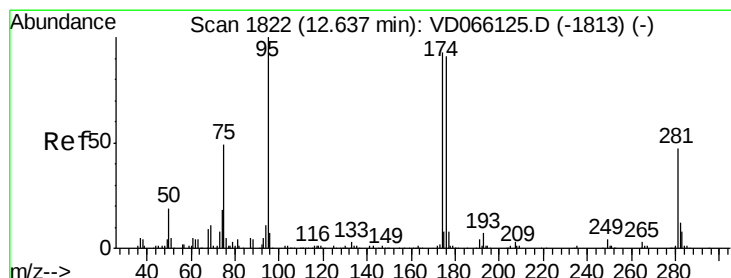
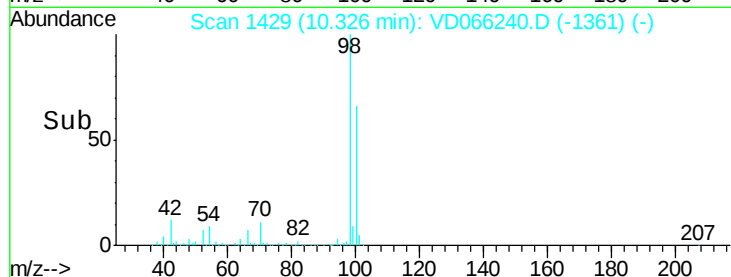
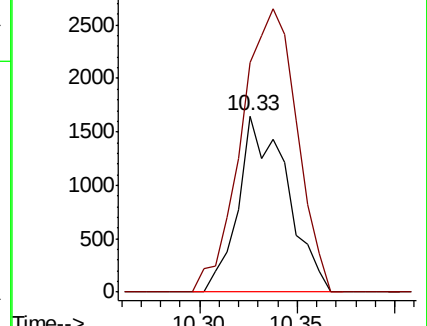
43 100

58 184.0 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: 68.814 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

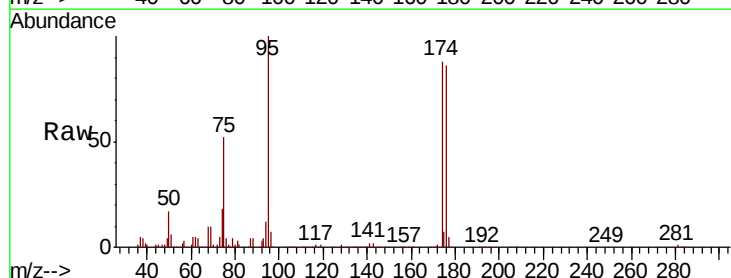
Tgt Ion: 95 Resp: 288032

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.8

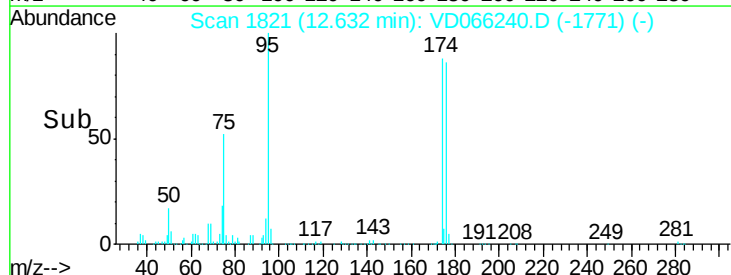
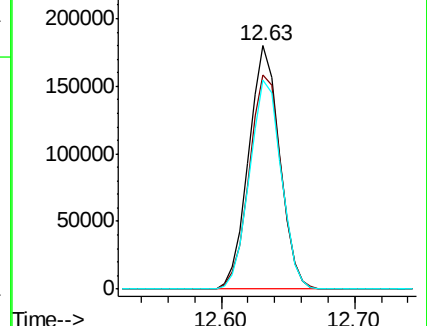
176 87.3 0.0 181.2

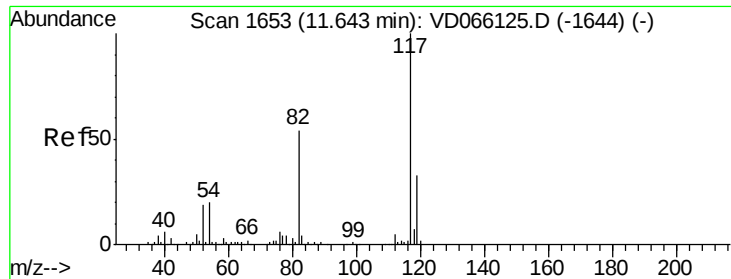


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

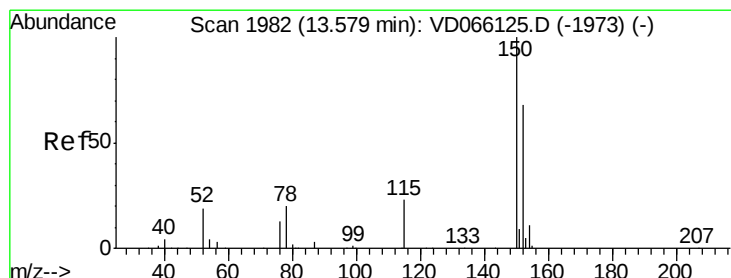
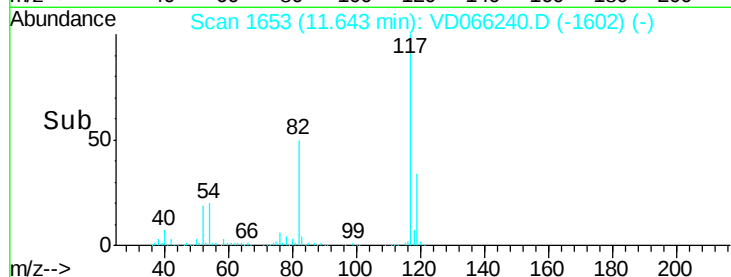
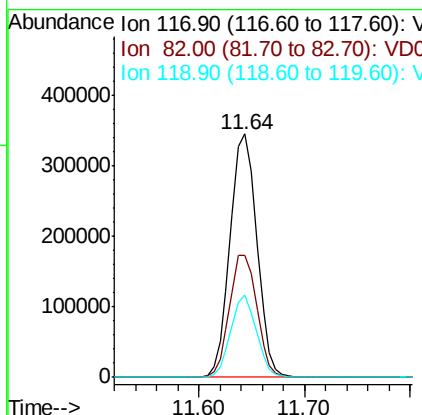
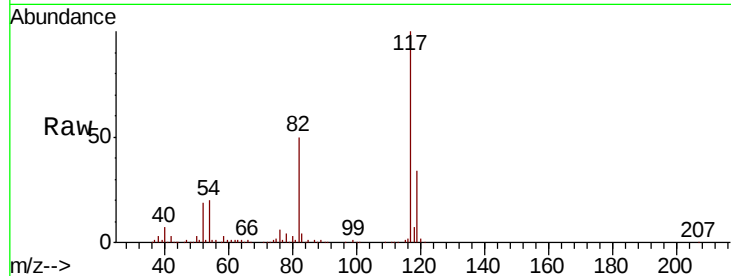




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066240.D
Acq: 14 Aug 2020 16:54

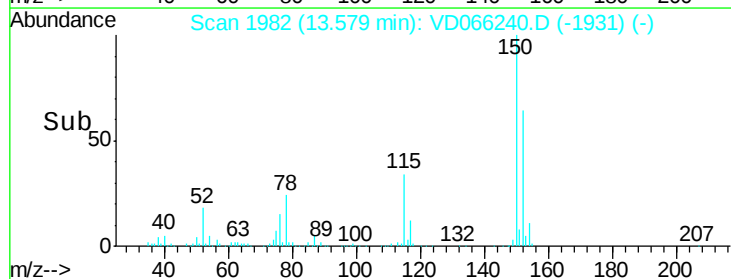
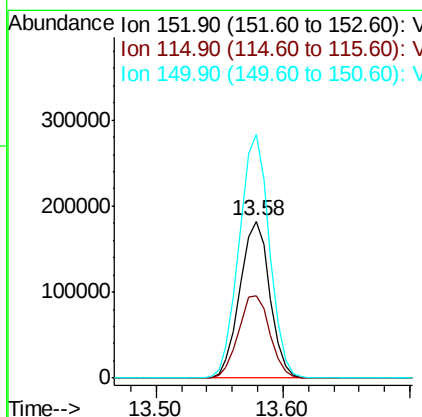
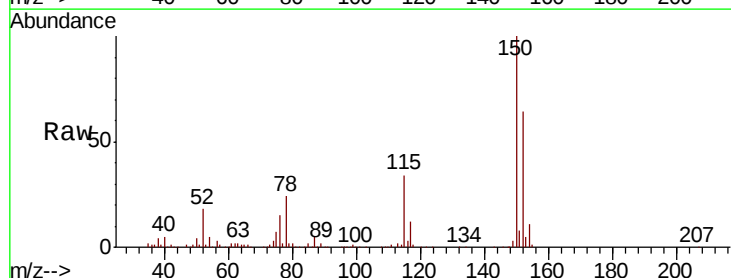
Instrument :
MSVOA_D
ClientSampleId :
S410-K-SO-1-1.5-081220

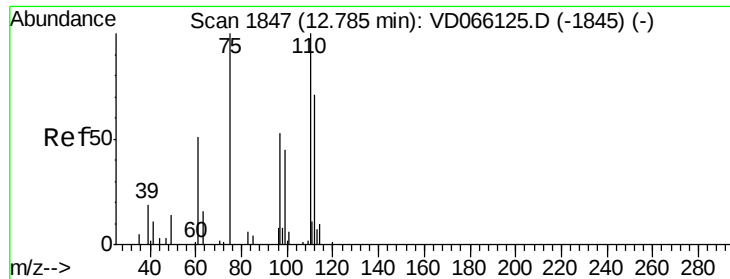
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	43.0	64.4
119	33.9	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066240.D
Acq: 14 Aug 2020 16:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.0	83.9
150	156.6	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 58.910 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

Instrument :

MSVOA_D

ClientSampleId :

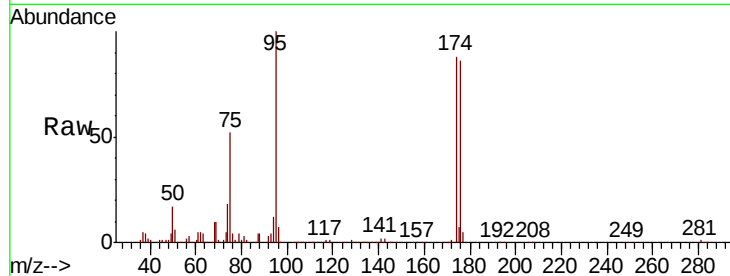
S410-K-SO-1-1.5-081220

Tot Ion: 75 Resp: 147138

Ion Ratio Lower Upper

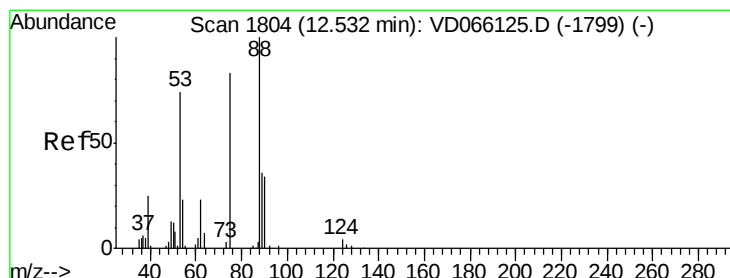
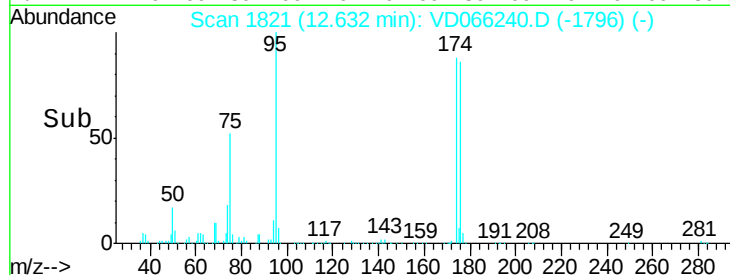
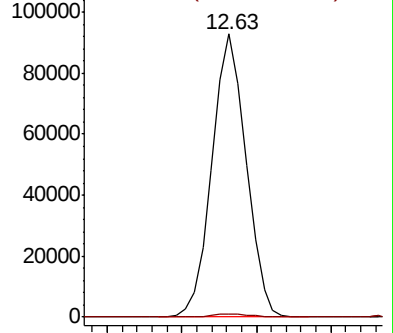
75 100

77 1.2 0.0 0.0#



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: 130.224 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066240.D

Acq: 14 Aug 2020 16:54

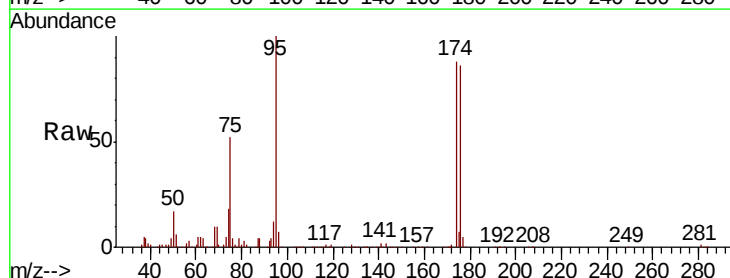
Tgt Ion: 75 Resp: 147138

Ion Ratio Lower Upper

75 100

53 0.1 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

