

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066290.D
 Acq On : 18 Aug 2020 20:47
 Operator : VA/SY
 Sample : L3700-08
 Misc : 8.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S408-K-SO-1-1.5-081420

Quant Time: Aug 19 06:43:50 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	187169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	280915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	225769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	71301	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	100273	60.05	ug/l	0.00
Spiked Amount			Recovery	=	120.10%	
35) Dibromofluoromethane	7.91	113	96981	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	10.34	98	299119	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.64	95	76919	32.49	ug/l	0.00
Spiked Amount			Recovery	=	64.98%	

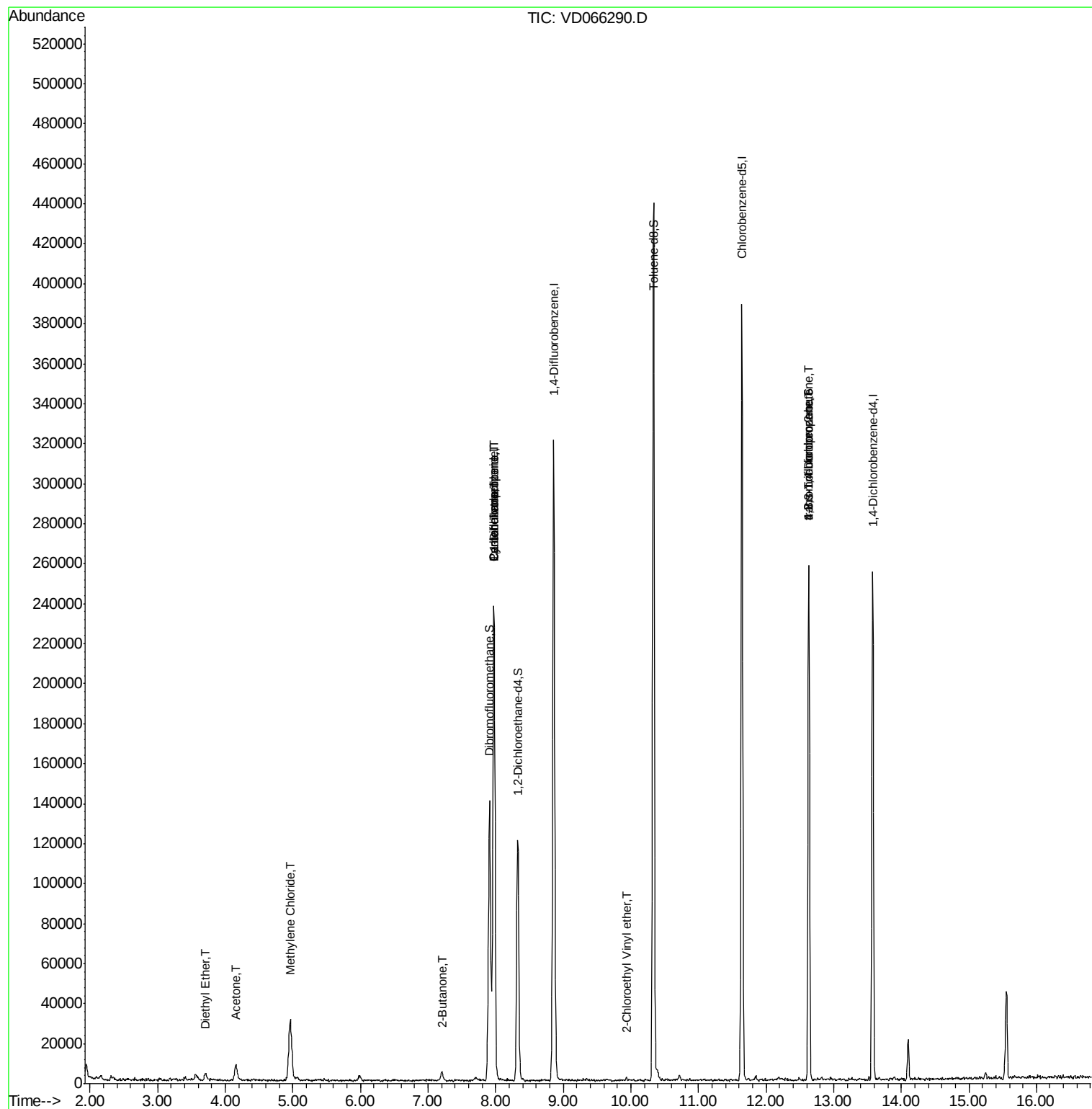
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2489	2.979	ug/l	89
11) Tert butyl alcohol	5.21	59	253	Below Cal	#	76
16) Acetone	4.16	43	13801	43.559	ug/l	96
20) Methylene Chloride	4.96	84	24211	9.530	ug/l	95
25) 2-Butanone	7.21	43	3794	8.141	ug/l #	86
31) Cyclohexane	7.98	56	3858	1.319	ug/l #	39
36) 1,1-Dichloropropene	7.97	75	12762	4.835	ug/l #	51
38) Carbon Tetrachloride	7.98	117	17650	5.996	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.94	63	865	1.127	ug/l #	43
76) 1,2,3-Trichloropropane	12.63	75	39460	66.364	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	39460	146.701	ug/l #	13

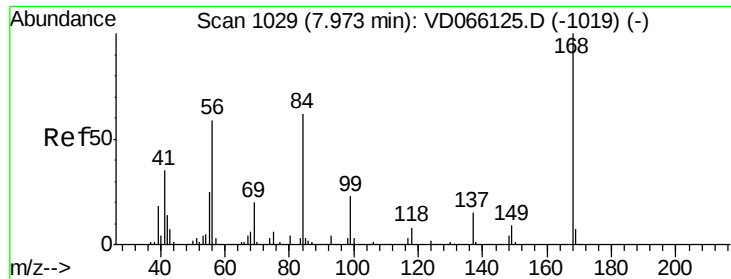
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

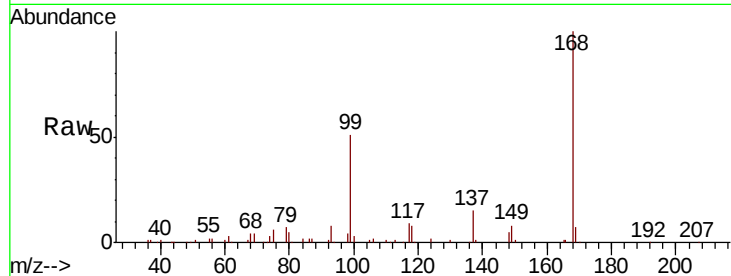
S408-K-SO-1-1.5-081420

Tot Ion:168 Resp: 187169

Ion Ratio Lower Upper

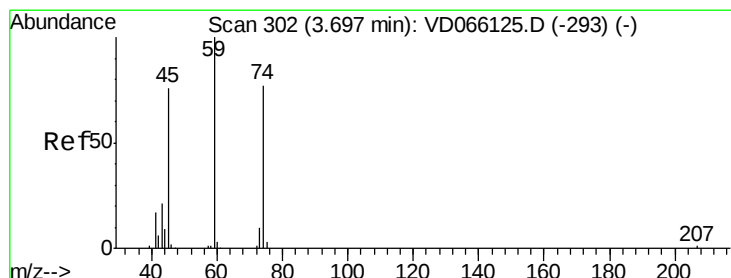
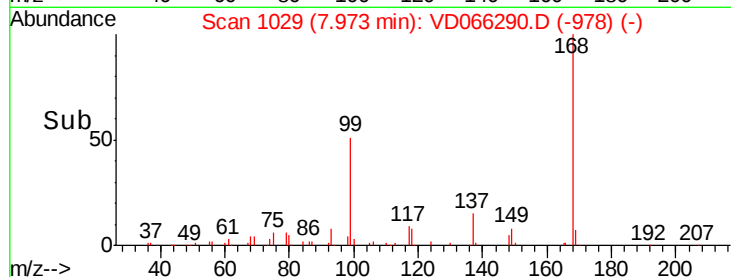
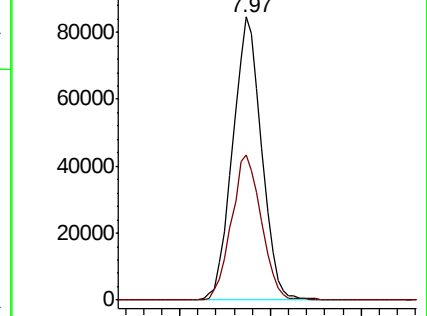
168 100

99 51.2 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: 2.979 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066290.D

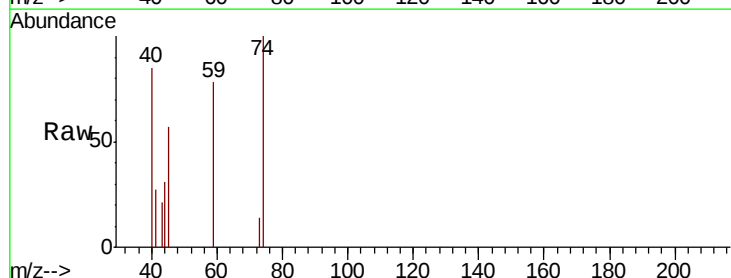
Acq: 18 Aug 2020 20:47

Tgt Ion: 74 Resp: 2489

Ion Ratio Lower Upper

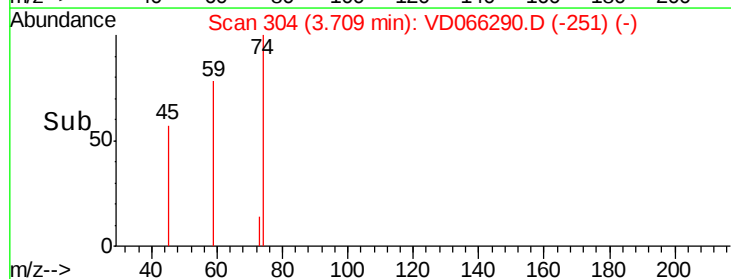
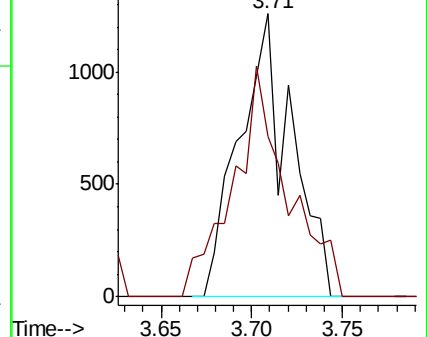
74 100

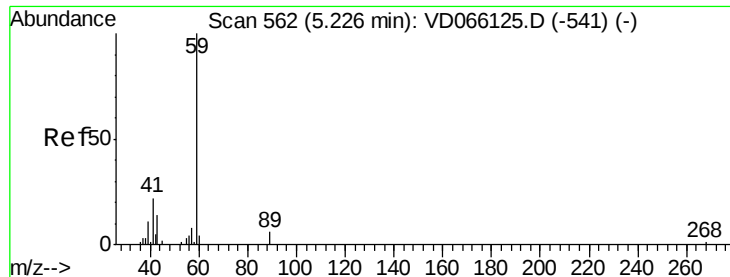
45 86.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

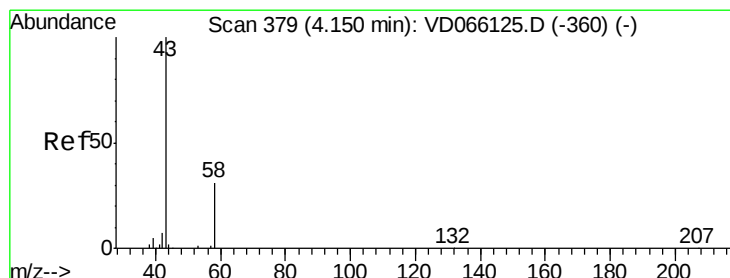
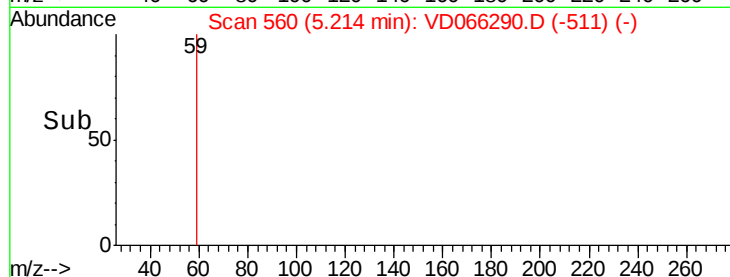
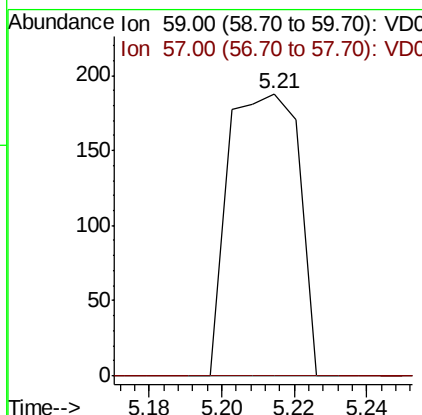
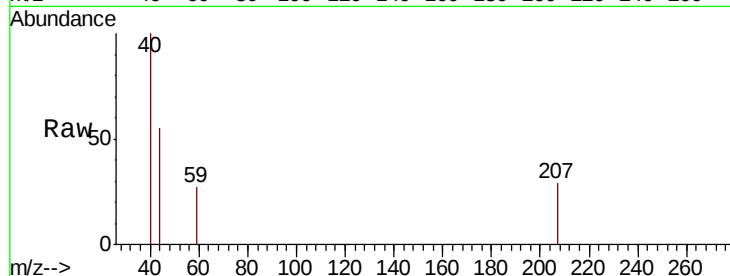




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

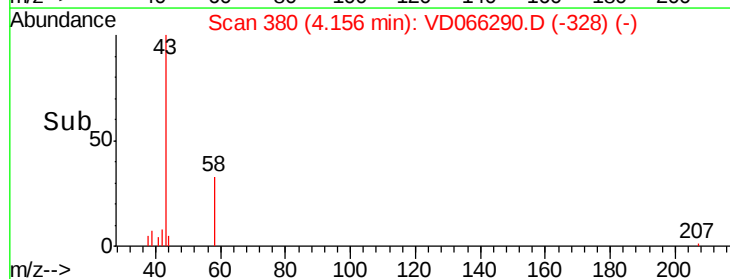
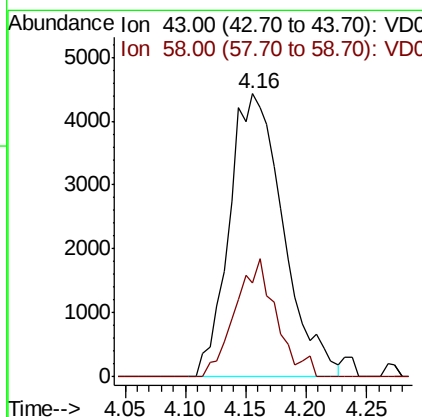
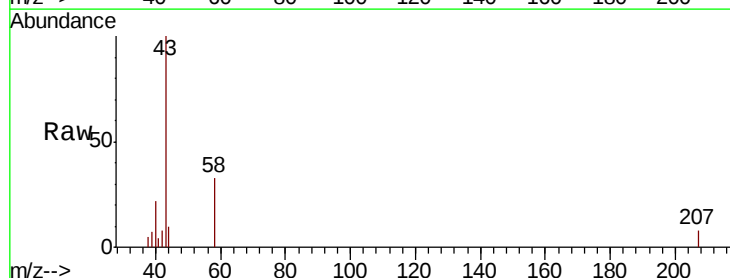
Instrument :
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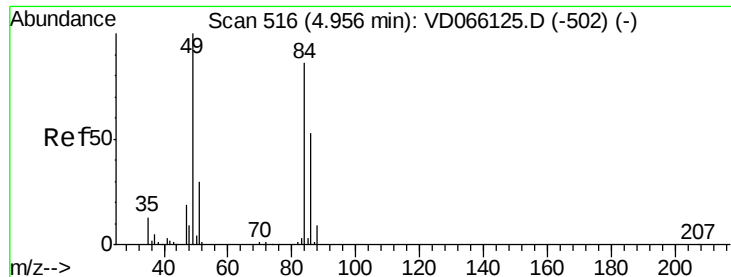
Tot Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#16
Acetone
Concen: 43.559 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.01 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

Tgt Ion: 43 Resp: 13801
Ion Ratio Lower Upper
43 100
58 33.3 24.7 37.1

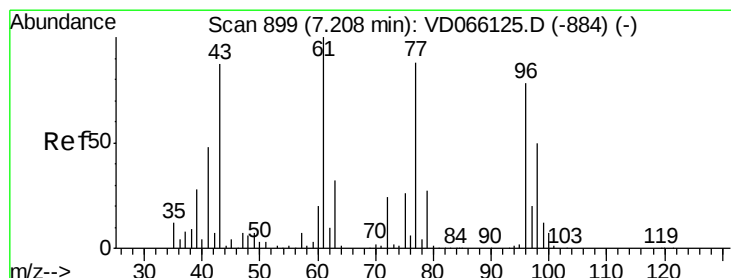
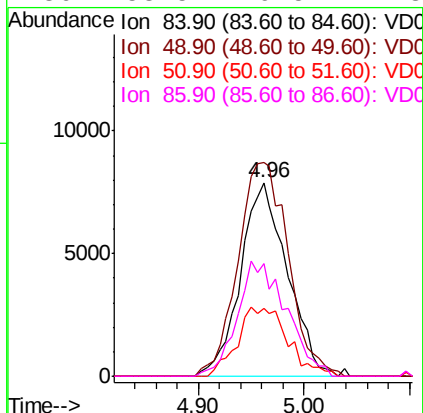
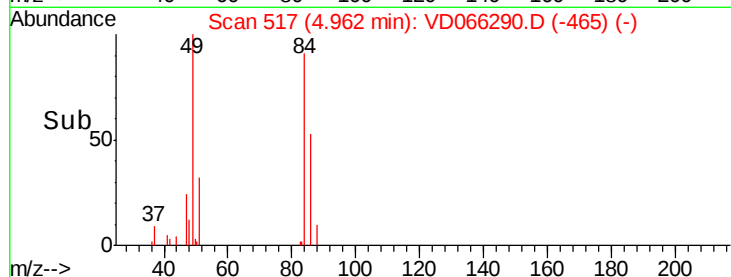
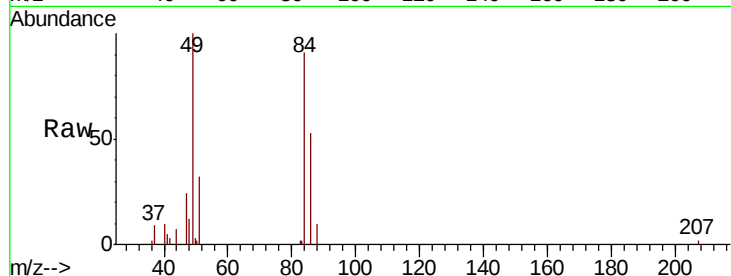




#20
Methvlene Chloride
Concen: 9.530 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

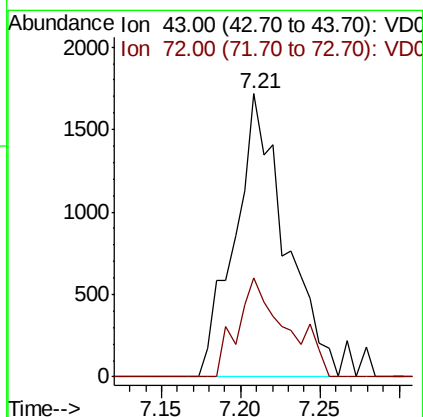
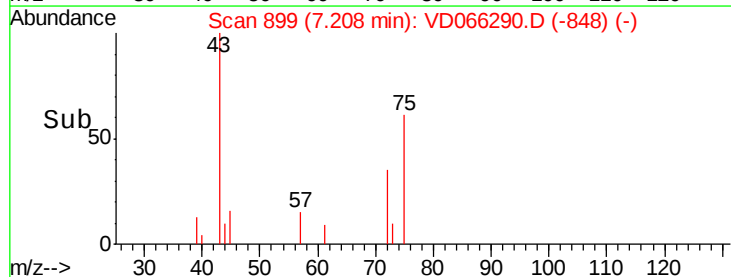
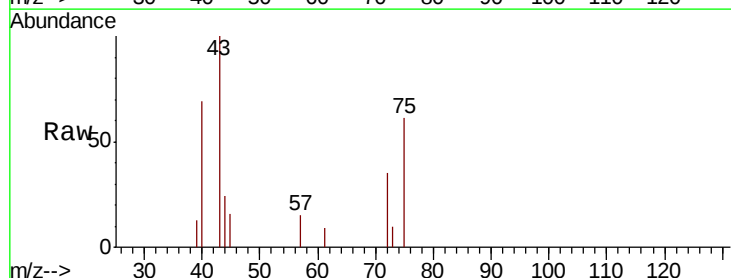
Instrument :
MSVOA_D
ClientSampleId :
S408-K-SO-1-1.5-081420

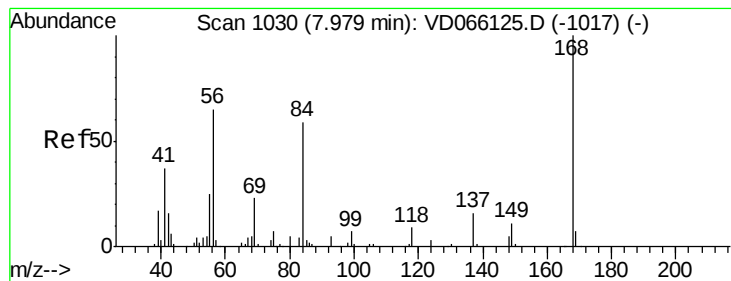
Tot Ion:	84	Resp:	24211
Ion	Ratio	Lower	Upper
84	100		
49	110.3	93.5	140.3
51	35.2	28.2	42.4
86	58.5	49.5	74.3



#25
2-Butanone
Concen: 8.141 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

Tgt Ion:	43	Resp:	3794
Ion	Ratio	Lower	Upper
43	100		
72	34.9	22.2	33.2#





#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

S408-K-SO-1-1.5-081420

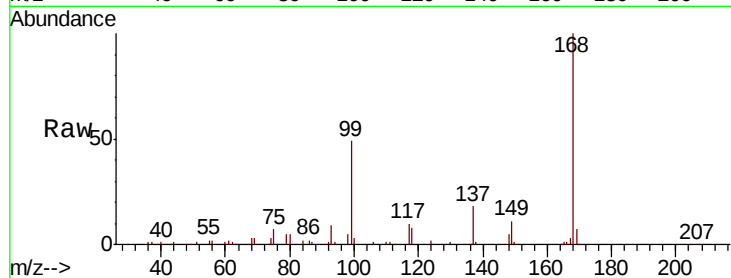
Tot Ion: 56 Resp: 3858

Ion Ratio Lower Upper

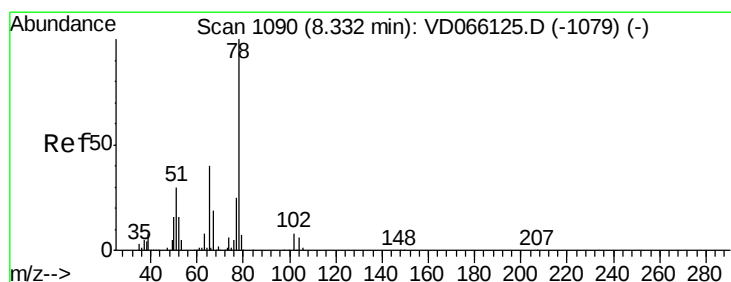
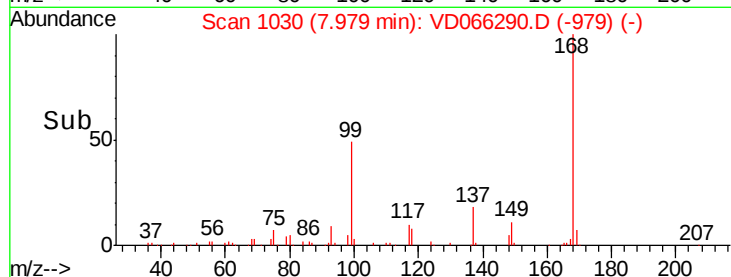
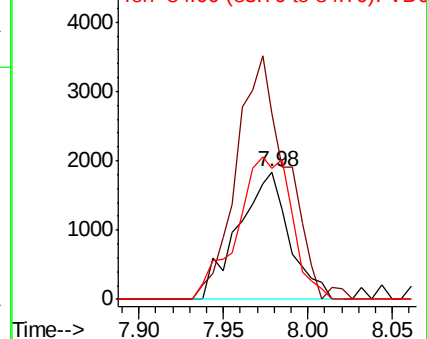
56 100

69 145.4 28.8 43.2#

84 103.0 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 60.050 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066290.D

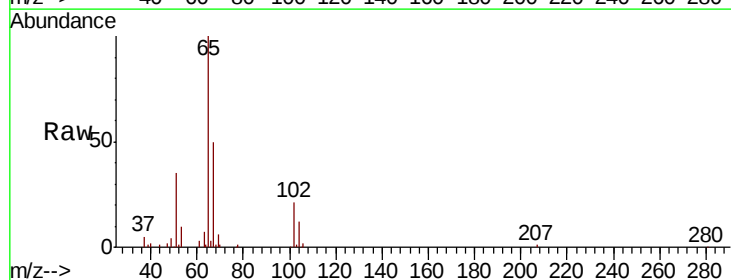
Acq: 18 Aug 2020 20:47

Tgt Ion: 65 Resp: 100273

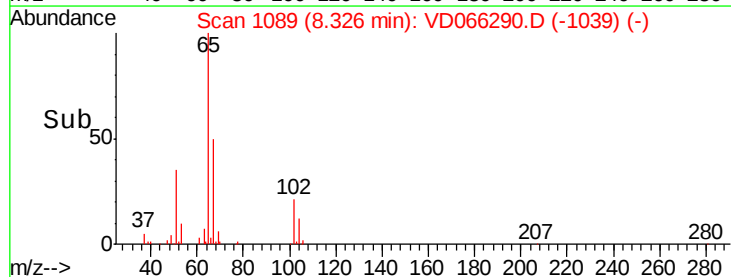
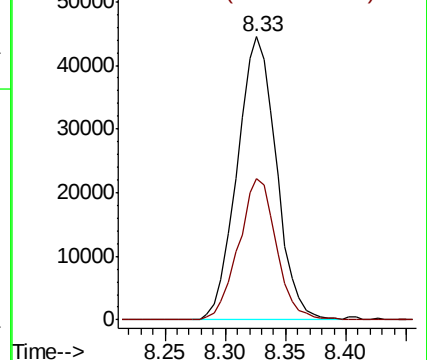
Ion Ratio Lower Upper

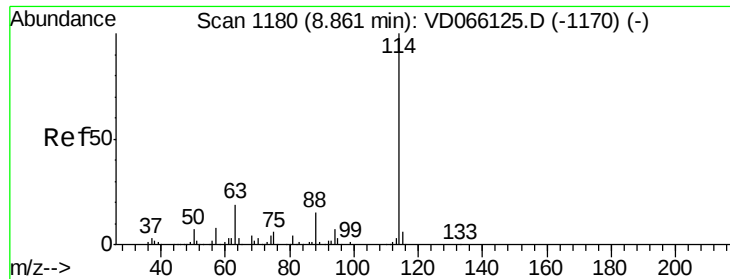
65 100

67 48.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

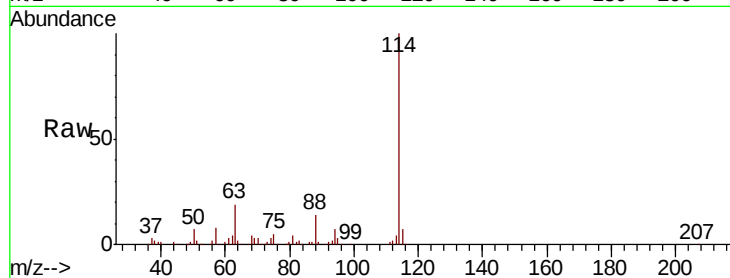




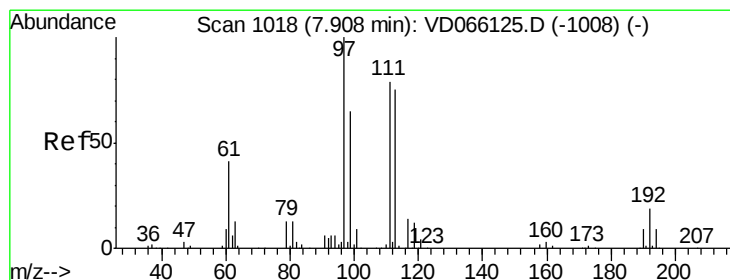
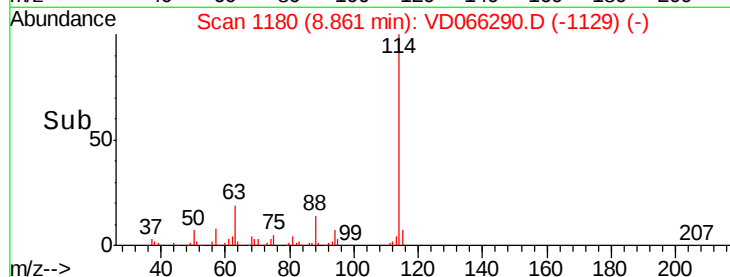
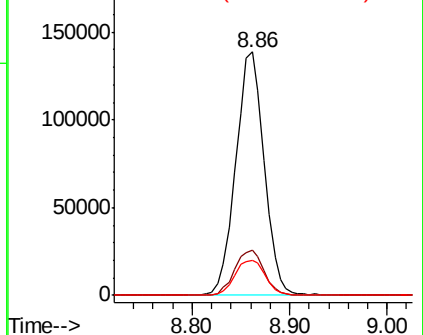
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

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Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.6
88	14.3	0.0	30.0

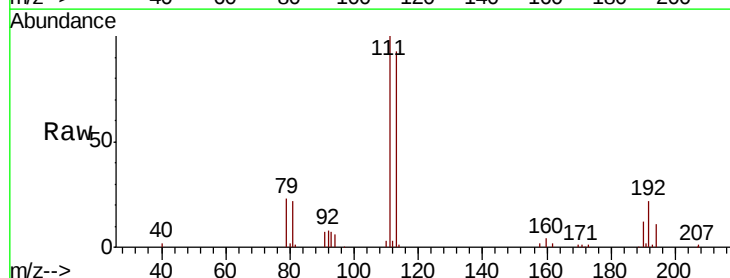


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

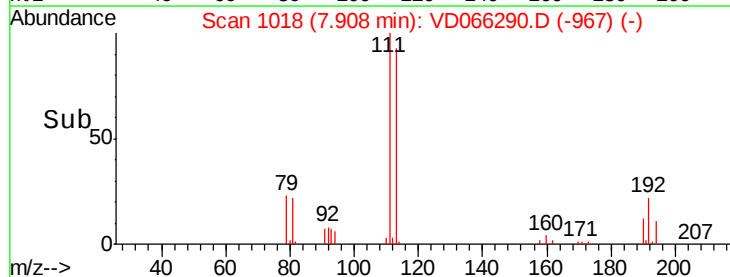
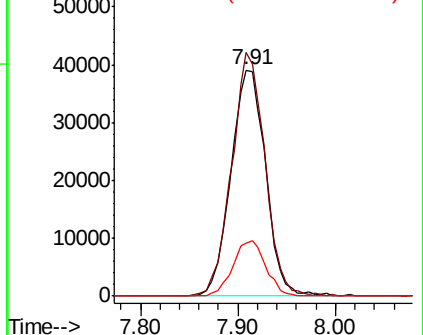


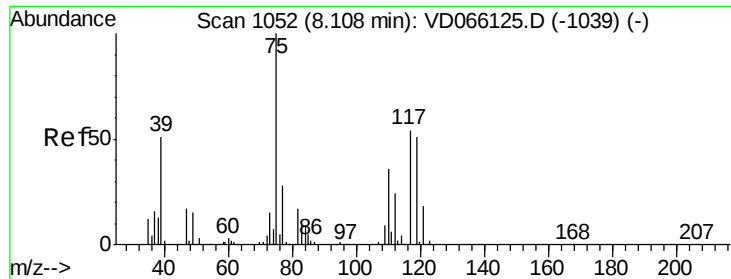
#35
Dibromofluoromethane
Concen: 54.497 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.7	121.1
192	23.1	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

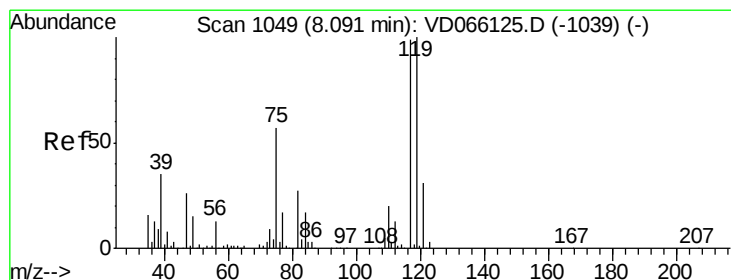
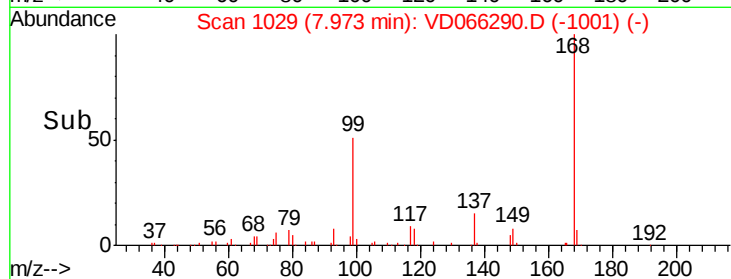
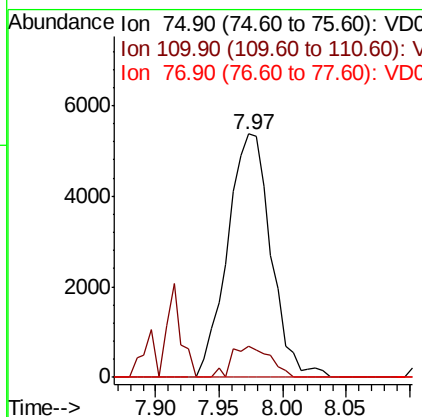
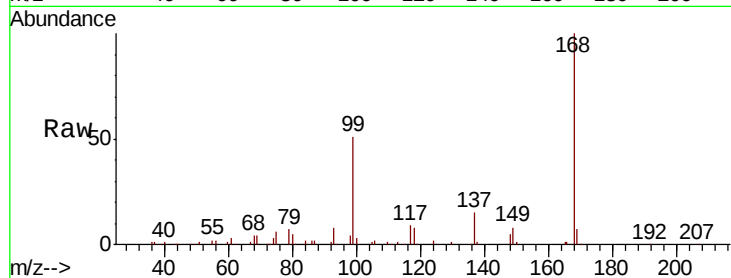




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066290.D
 Acq: 18 Aug 2020 20:47

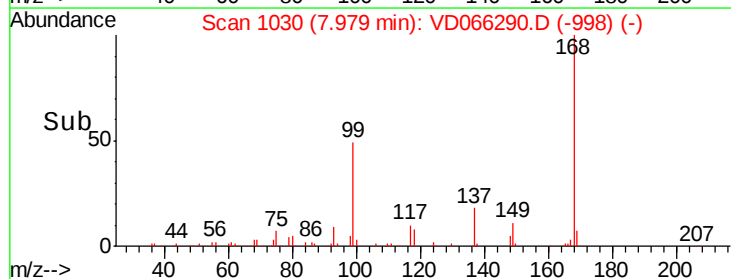
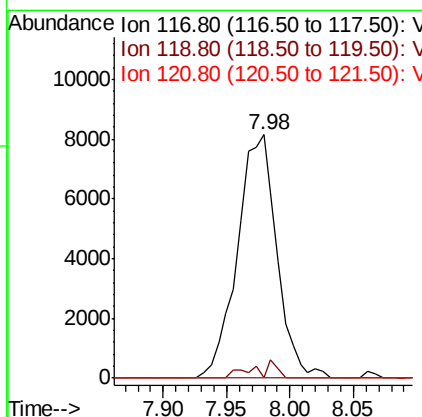
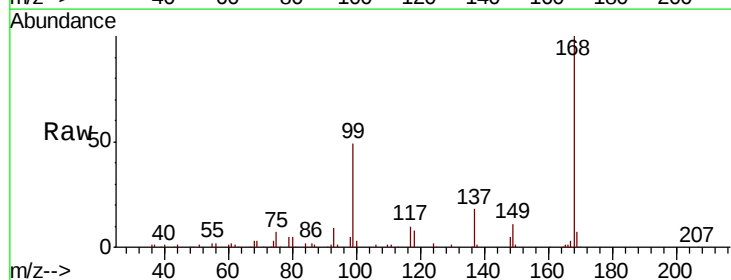
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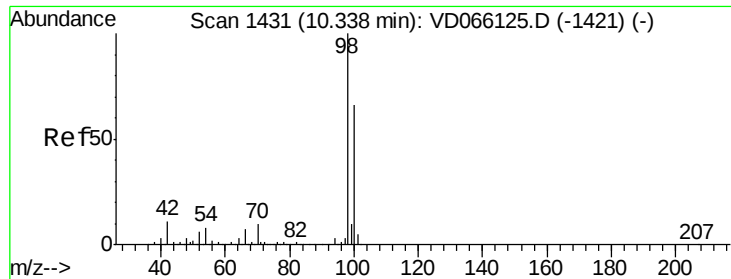
Tot Ion: 75 Resp: 12762
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.8 56.3#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.996 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066290.D
 Acq: 18 Aug 2020 20:47

Tgt Ion: 117 Resp: 17650
 Ion Ratio Lower Upper
 117 100
 119 0.0 81.0 121.4#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 45.549 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

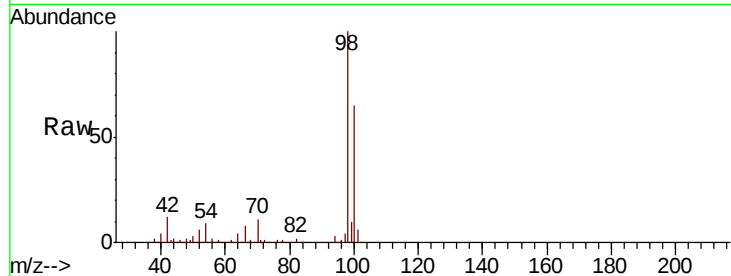
S408-K-SO-1-1.5-081420

Tot Ion: 98 Resp: 299119

Ion Ratio Lower Upper

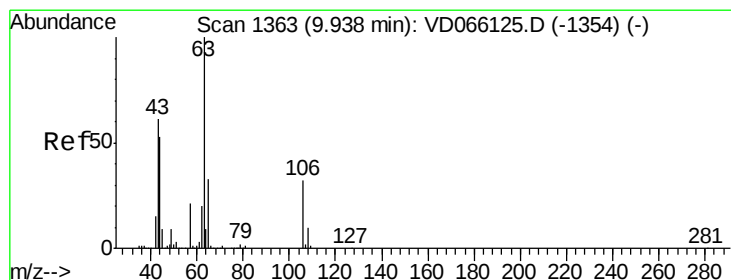
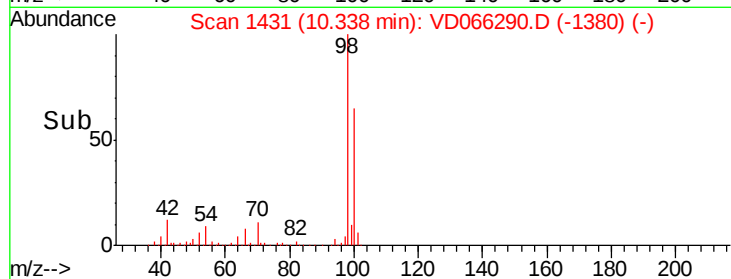
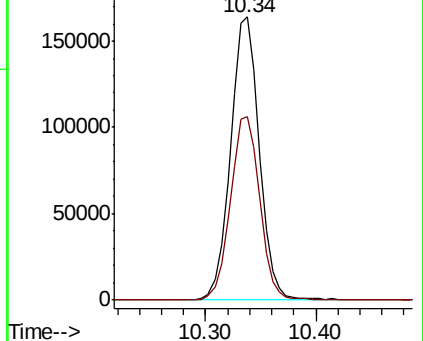
98 100

100 66.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.127 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066290.D

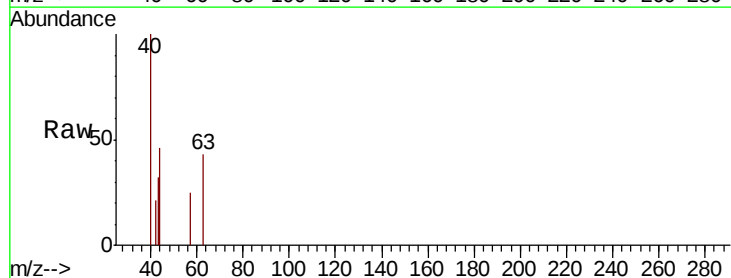
Acq: 18 Aug 2020 20:47

Tgt Ion: 63 Resp: 865

Ion Ratio Lower Upper

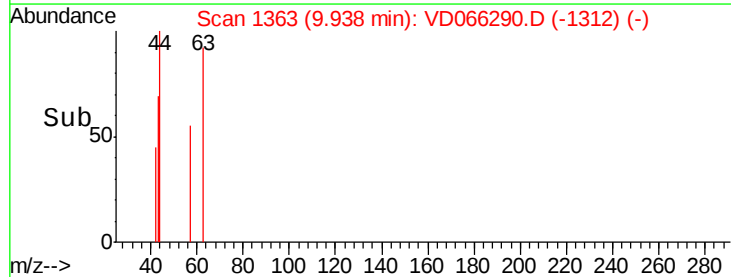
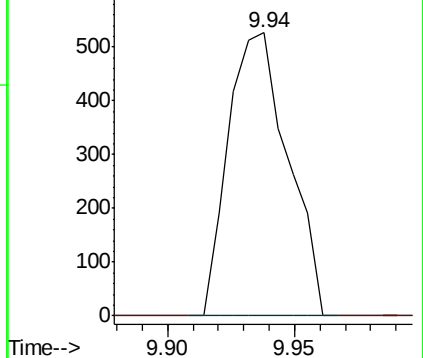
63 100

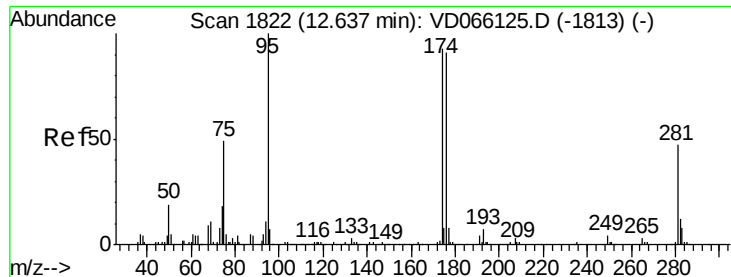
106 0.0 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

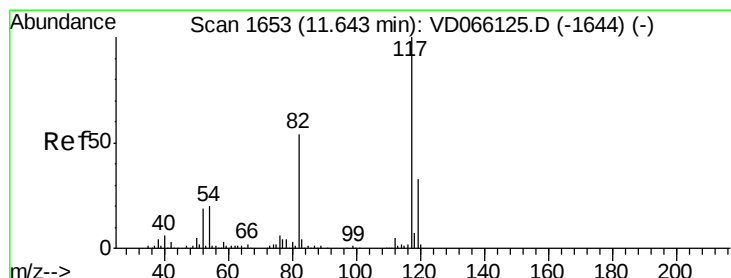
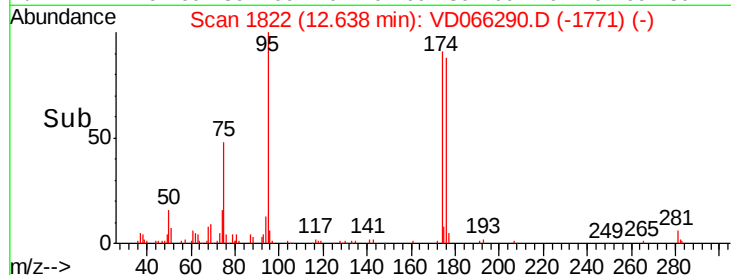
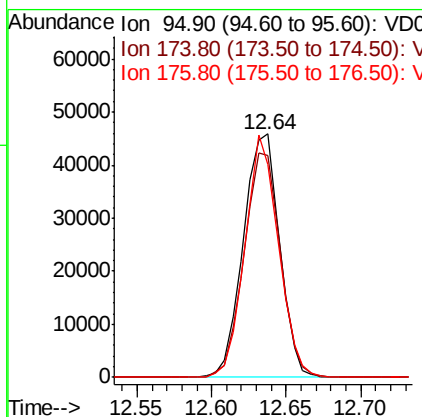
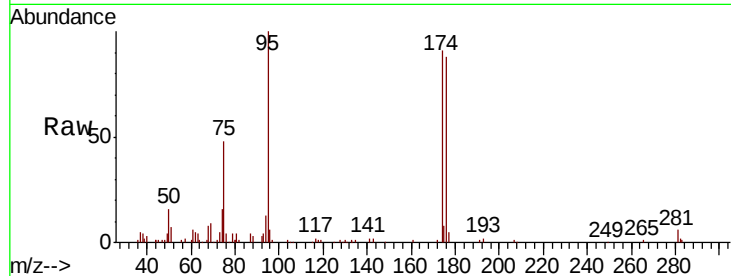




#62
4-Bromofluorobenzene
Concen: 32.494 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

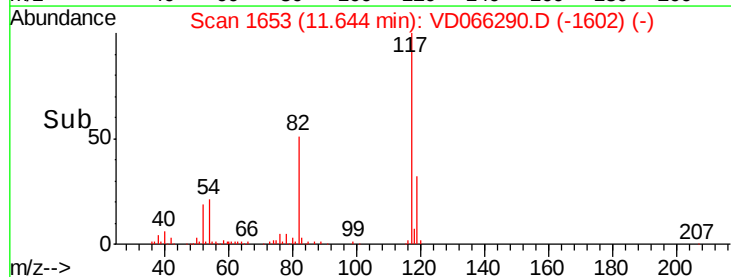
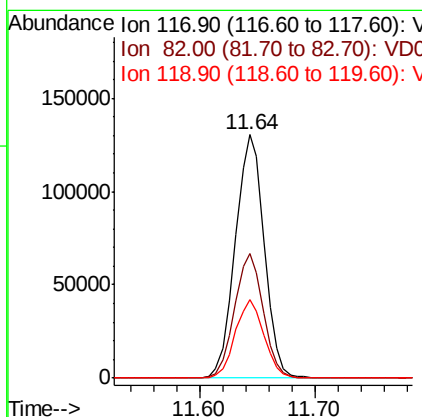
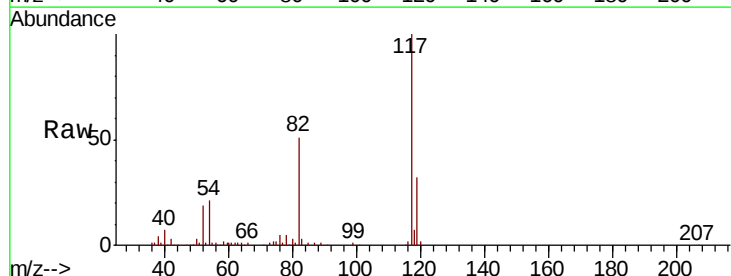
Instrument :
MSVOA_D
ClientSampleId :
S408-K-SO-1-1.5-081420

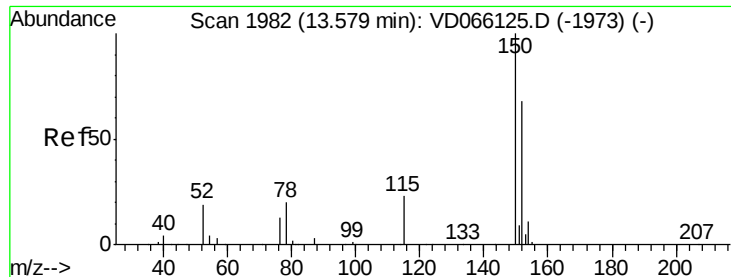
Tot Ion: 95 Resp: 76919
Ion Ratio Lower Upper
95 100
174 92.3 0.0 180.8
176 91.9 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

Tgt Ion: 117 Resp: 225769
Ion Ratio Lower Upper
117 100
82 51.1 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: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

S408-K-SO-1-1.5-081420

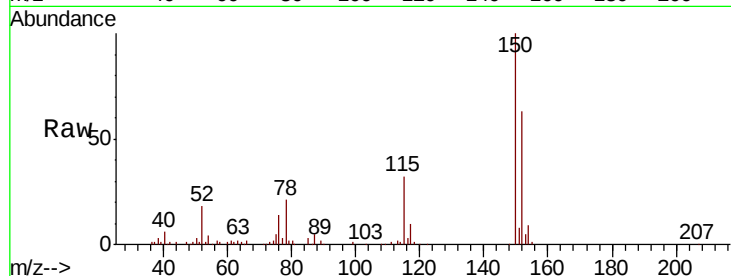
Tot Ion:152 Resp: 71301

Ion Ratio Lower Upper

152 100

115 54.0 28.0 83.9

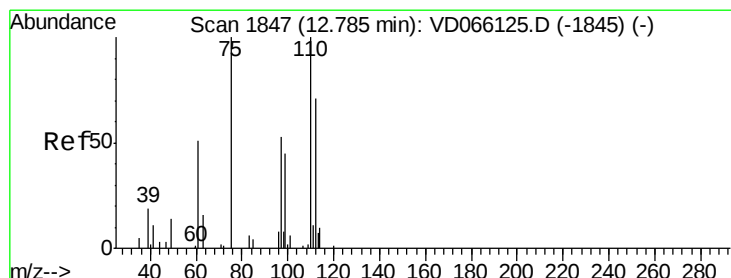
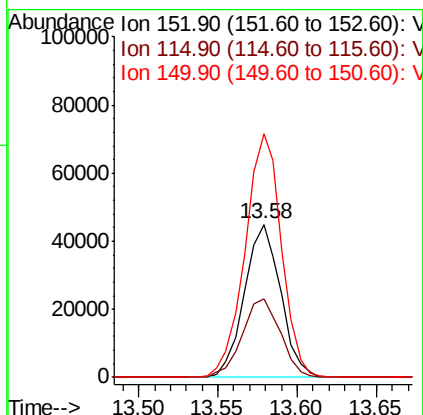
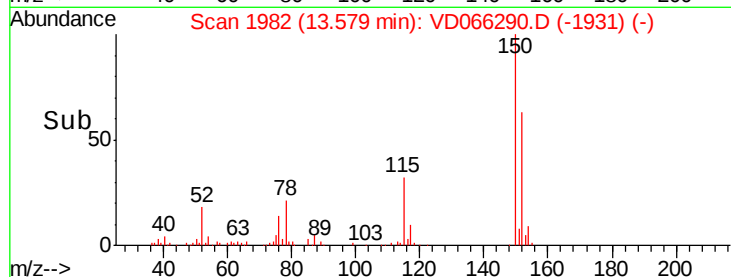
150 159.6 0.0 346.4



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: 66.364 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066290.D

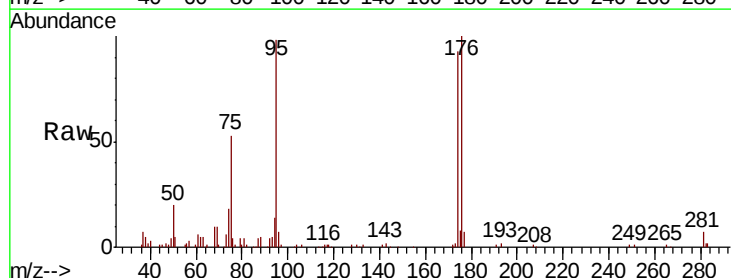
Acq: 18 Aug 2020 20:47

Tgt Ion: 75 Resp: 39460

Ion Ratio Lower Upper

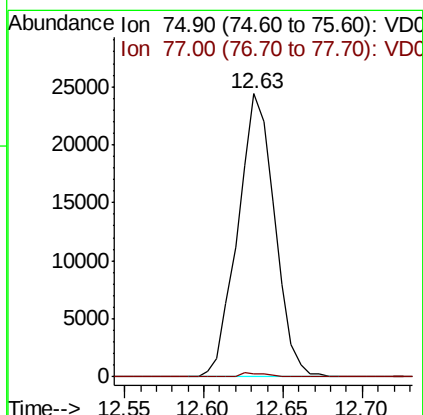
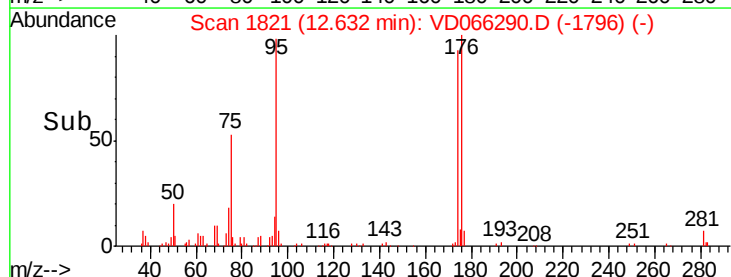
75 100

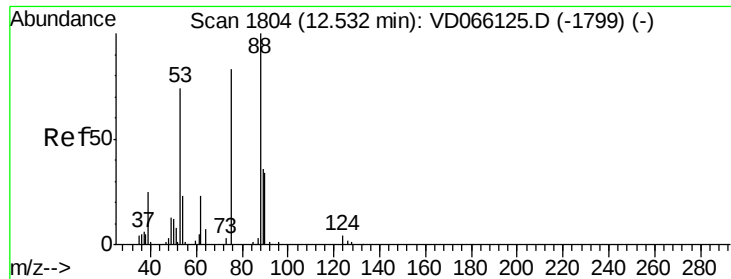
77 0.9 0.0 0.0#



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: 146.701 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

S408-K-SO-1-1.5-081420

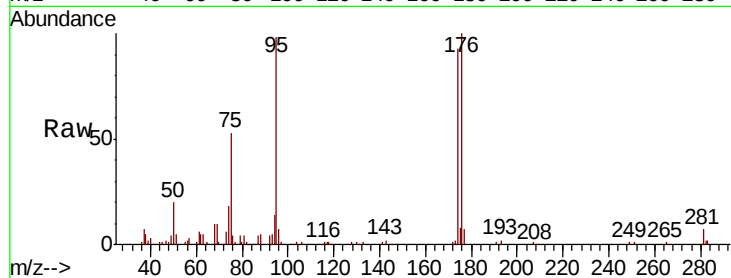
Tot Ion: 75 Resp: 39460

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

