

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066730.D
 Acq On : 16 Sep 2020 20:06
 Operator : VA/SY
 Sample : L4038-01
 Misc : 7.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B36-091620-0-1

Quant Time: Sep 17 00:52:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	368279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	685185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	648935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282089	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	223925	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	7.91	113	230074	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
50) Toluene-d8	10.34	98	838299	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
62) 4-Bromofluorobenzene	12.63	95	279795	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	

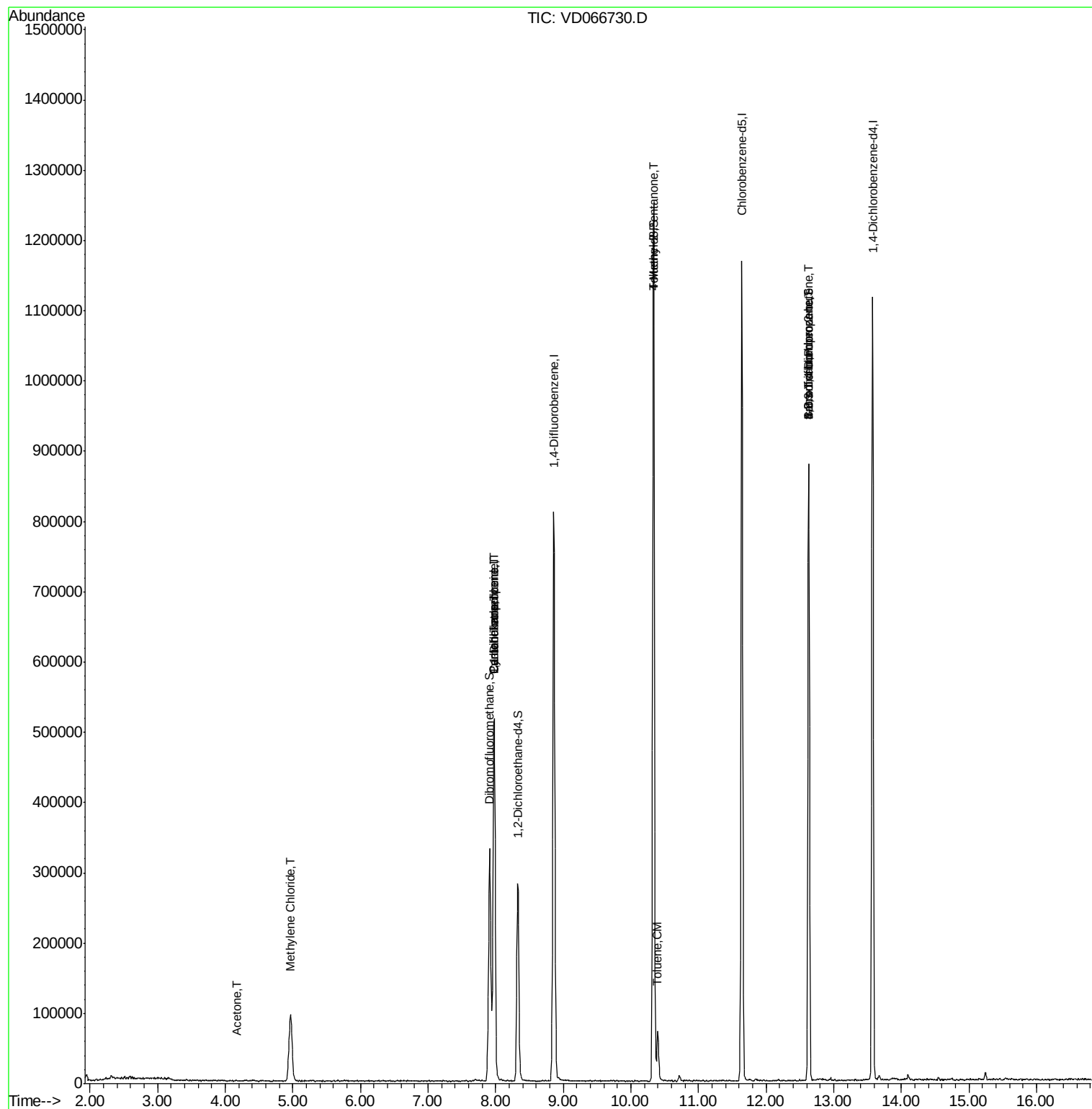
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	57	Below Cal	#	43
11) Tert butyl alcohol	5.07	59	72	Below Cal	#	76
16) Acetone	4.17	43	1601	2.001	ug/l #	47
18) Methyl Acetate	4.71	43	263	Below Cal	#	52
20) Methylene Chloride	4.97	84	73381	11.373	ug/l	95
31) Cyclohexane	7.98	56	9626	1.387	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	31938	4.534	ug/l #	51
38) Carbon Tetrachloride	7.97	117	40233	5.378	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4169	1.613	ug/l #	1
52) Toluene	10.40	92	29317	2.401	ug/l	95
71) Bromoform	12.63	173	2580	1.037	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	153714	63.661	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	153714	137.392	ug/l #	8

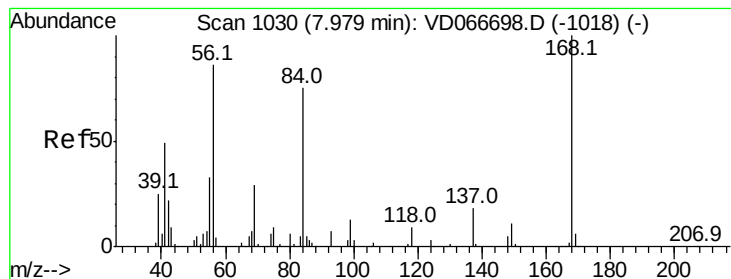
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

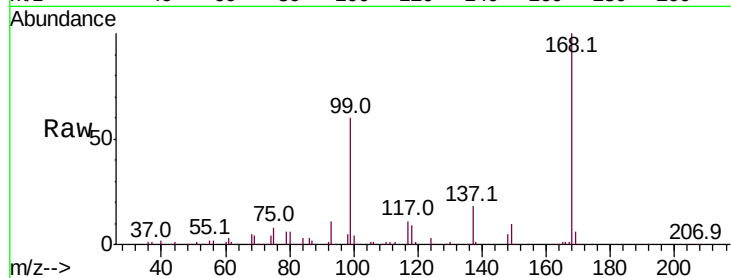
PAV-B36-091620-0-1

Tot Ion:168 Resp: 368279

Ion Ratio Lower Upper

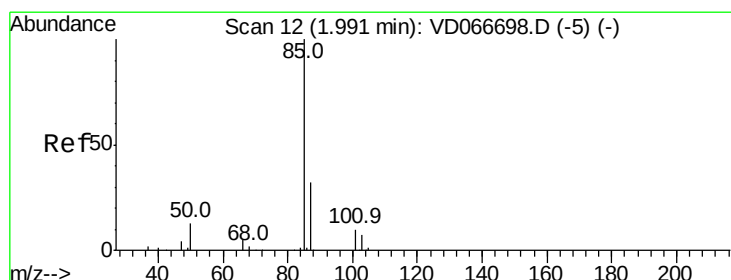
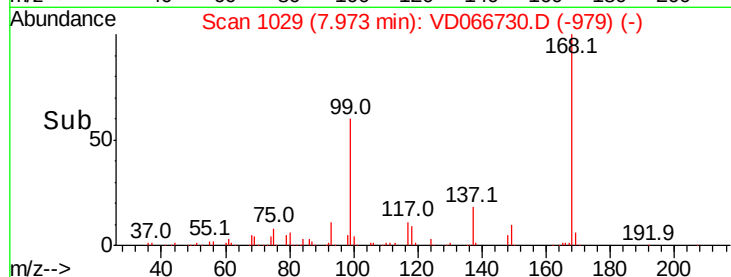
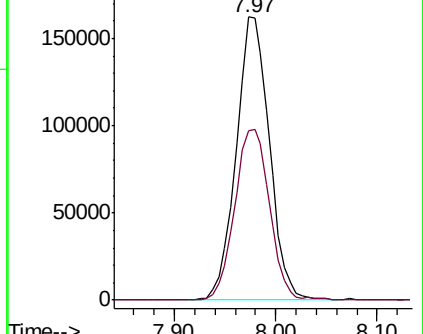
168 100

99 59.7 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD066730.D

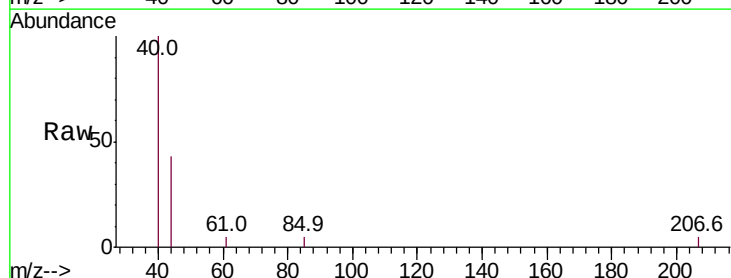
Acq: 16 Sep 2020 20:06

Tgt Ion: 85 Resp: 57

Ion Ratio Lower Upper

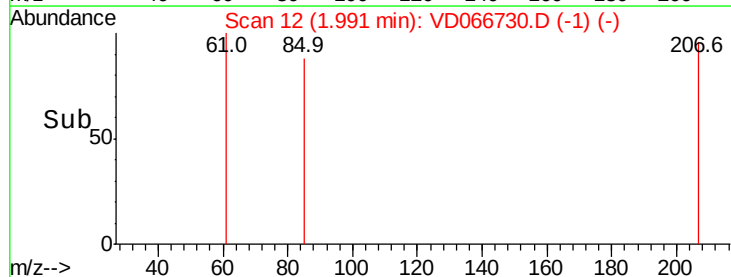
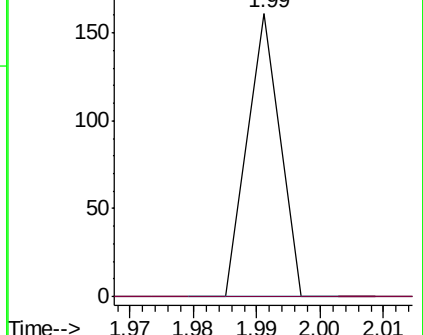
85 100

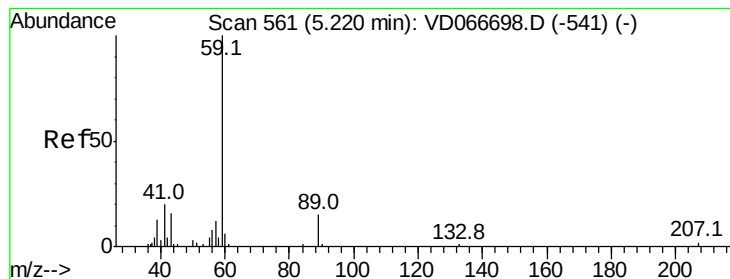
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



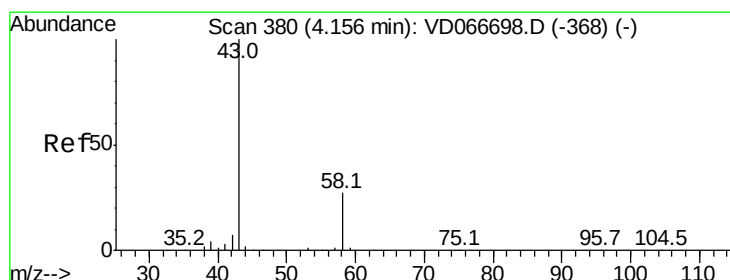
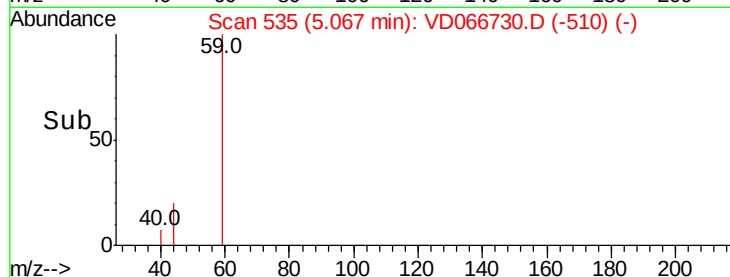
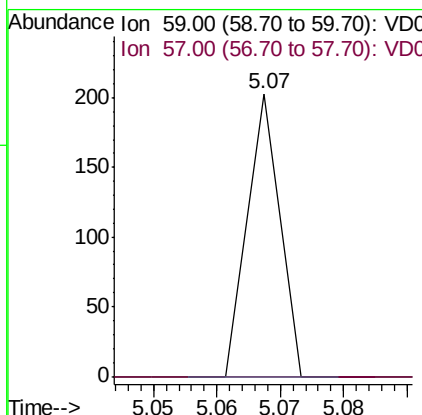
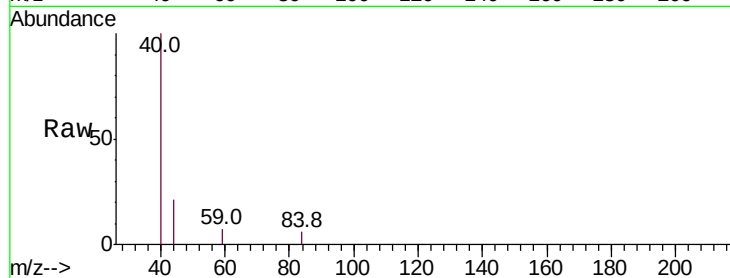


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.07 min Scan# 535
 Delta R.T. -0.15 min
 Lab File: VD066730.D
 Acq: 16 Sep 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B36-091620-0-1

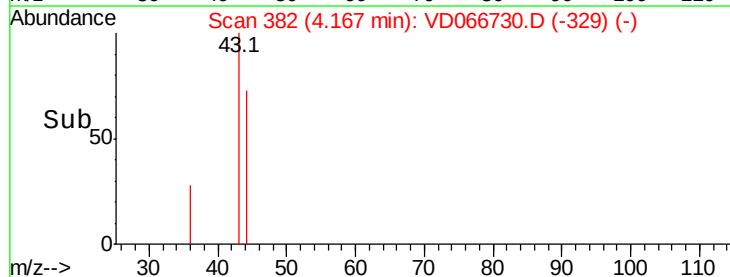
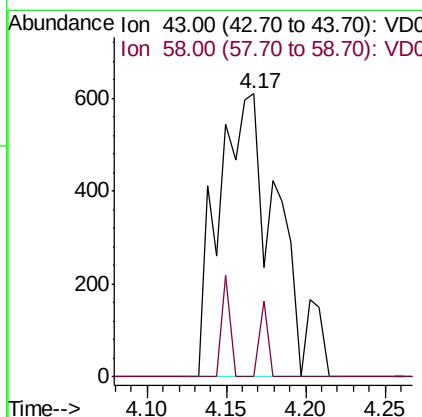
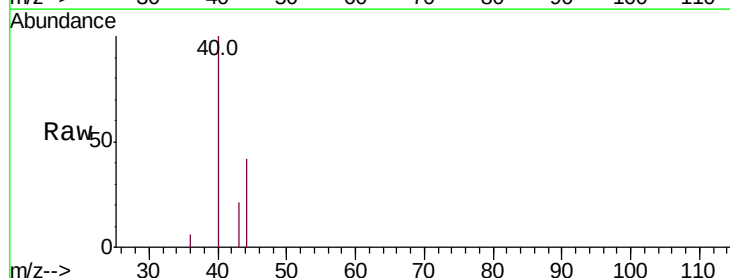
Tot Ion: 59 Resp: 72
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

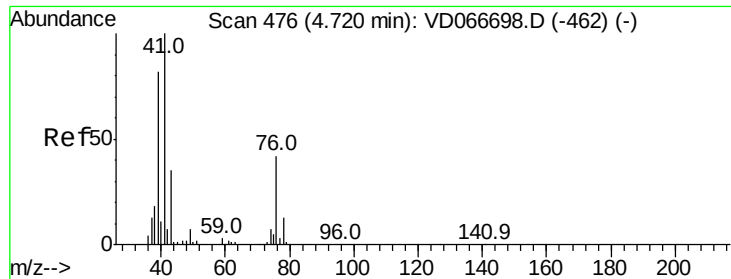


#16

Acetone
 Concen: 2.001 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066730.D
 Acq: 16 Sep 2020 20:06

Tgt Ion: 43 Resp: 1601
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.9 32.9#

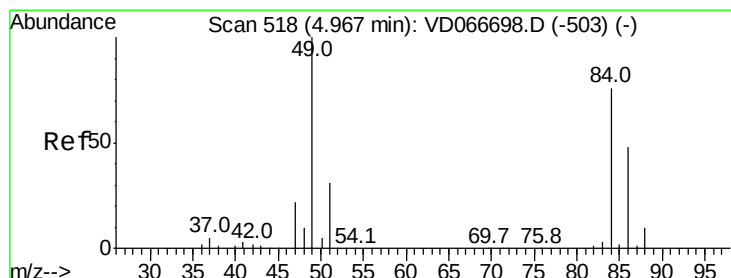
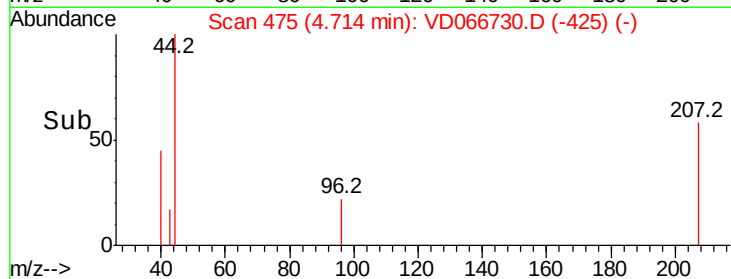
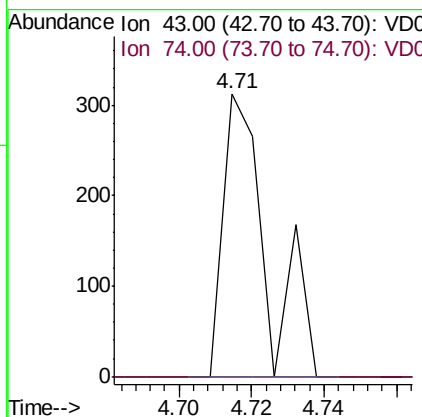
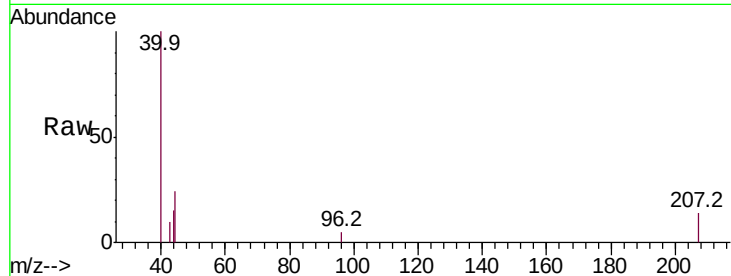




#18
Methvl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066730.D
Acq: 16 Sep 2020 20:06

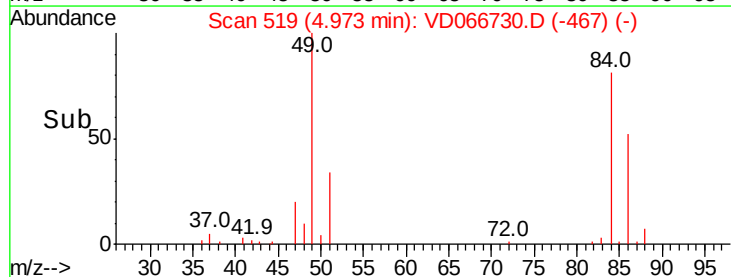
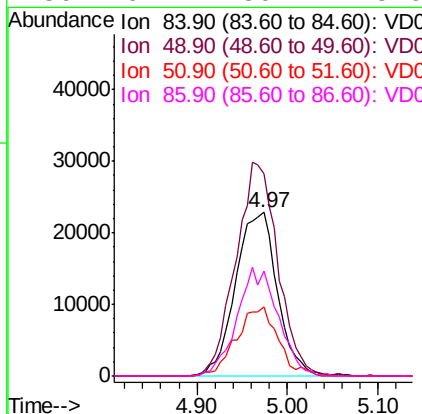
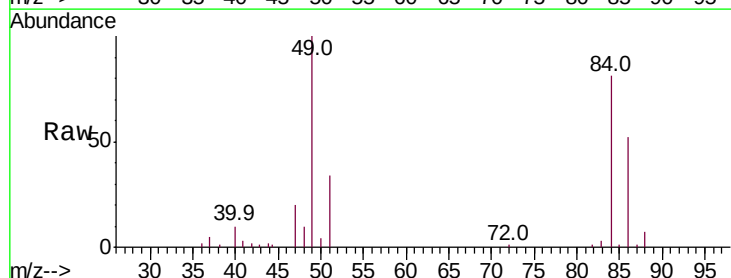
Instrument :
MSVOA_D
ClientSampleId :
PAV-B36-091620-0-1

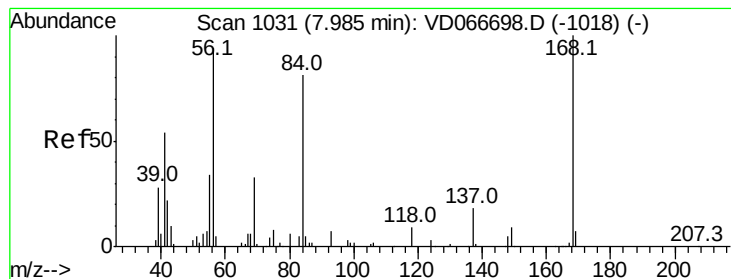
Tot Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 11.373 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066730.D
Acq: 16 Sep 2020 20:06

Tgt Ion: 84 Resp: 73381
Ion Ratio Lower Upper
84 100
49 123.7 105.0 157.6
51 42.4 32.2 48.4
86 64.1 50.4 75.6





#31

Cyclohexane

Concen: 1.387 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

PAV-B36-091620-0-1

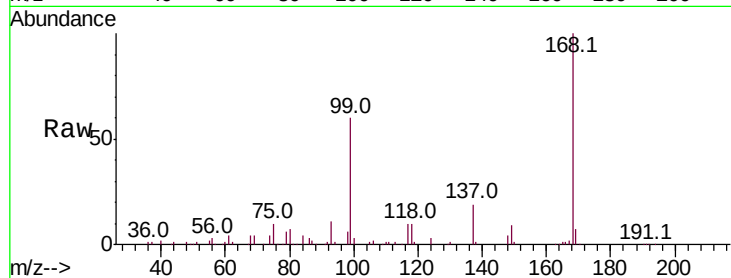
Tot Ion: 56 Resp: 9626

Ion Ratio Lower Upper

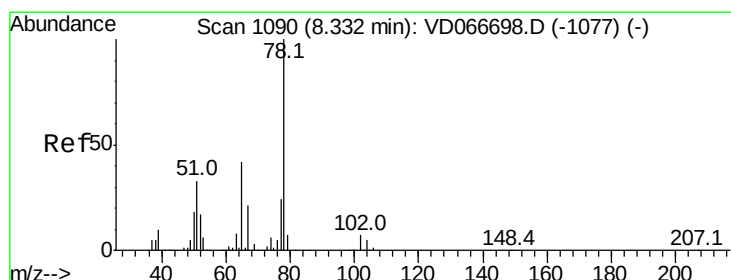
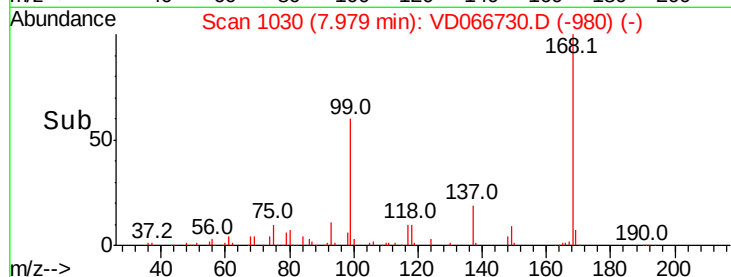
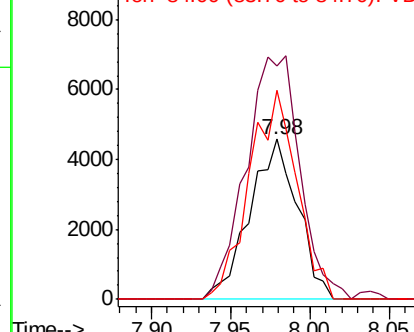
56 100

69 145.6 27.7 41.5#

84 130.9 68.5 102.7#



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: 56.988 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066730.D

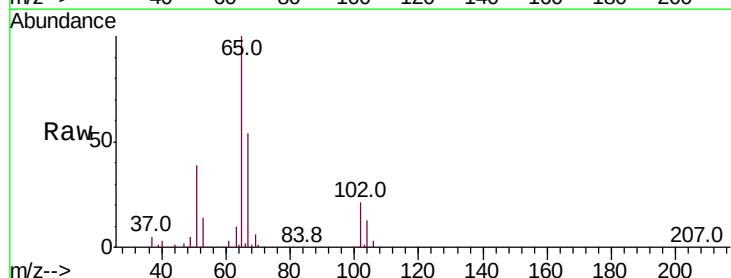
Acq: 16 Sep 2020 20:06

Tgt Ion: 65 Resp: 223925

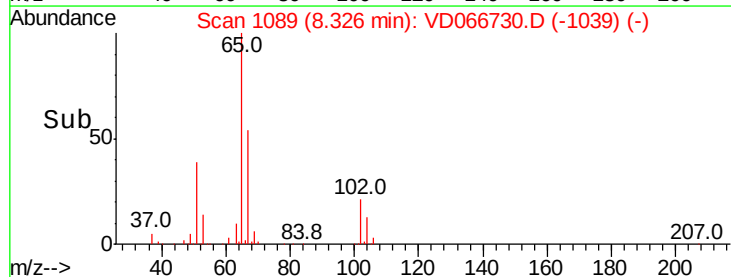
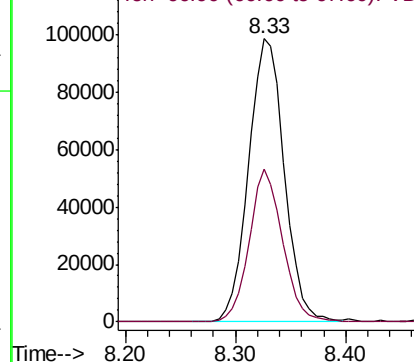
Ion Ratio Lower Upper

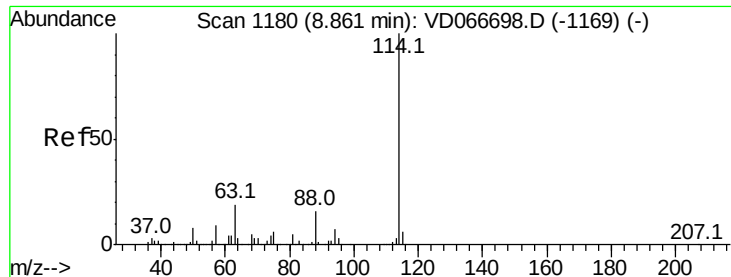
65 100

67 50.4 0.0 102.2



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: VD066730.D

Acq: 16 Sep 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

PAV-B36-091620-0-1

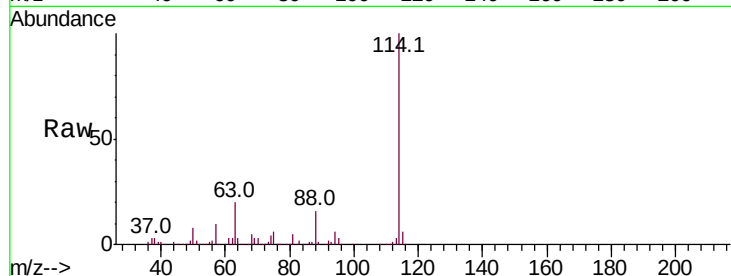
Tot Ion:114 Resp: 685185

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.6

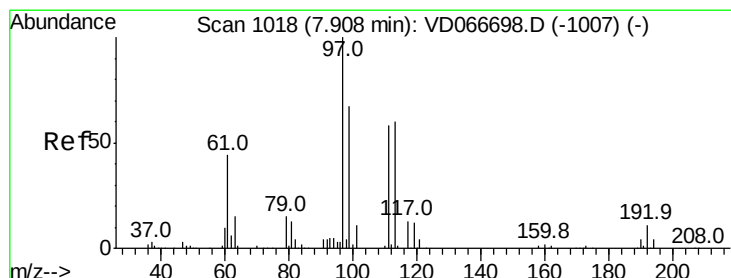
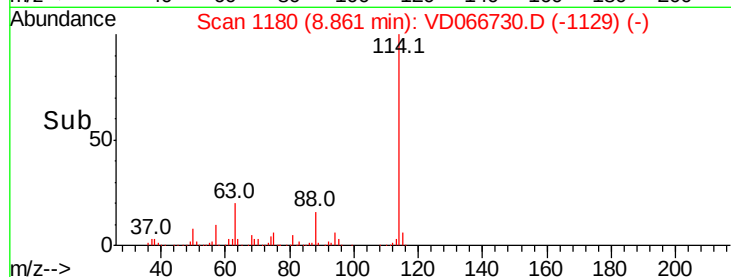
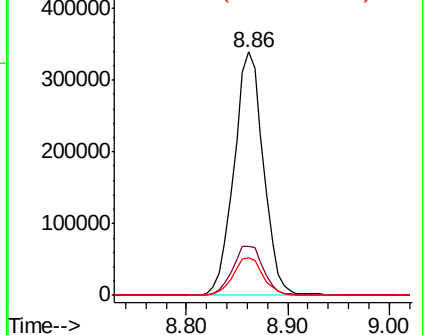
88 15.6 0.0 32.2



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: 54.769 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

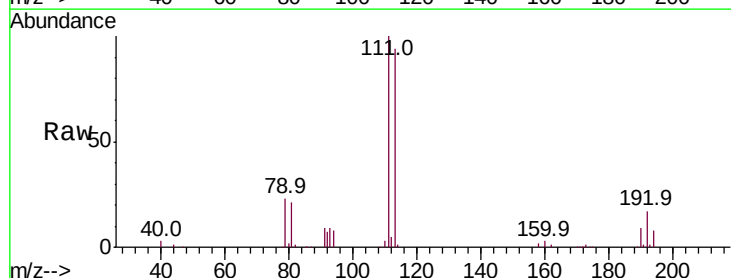
Tgt Ion:113 Resp: 230074

Ion Ratio Lower Upper

113 100

111 104.4 83.2 124.8

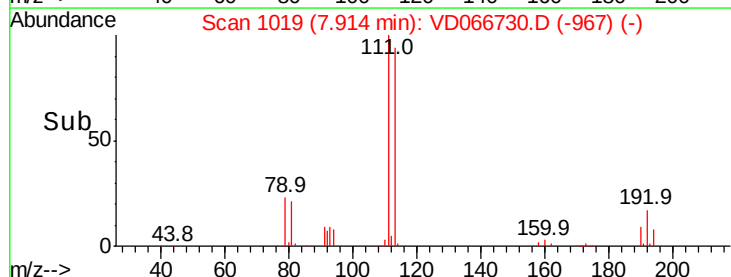
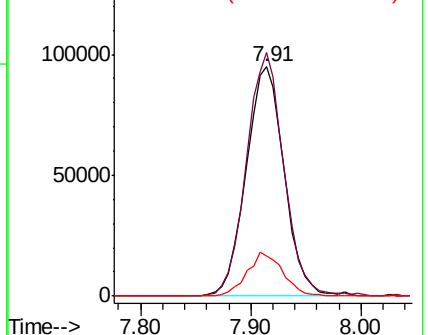
192 18.0 14.8 22.2

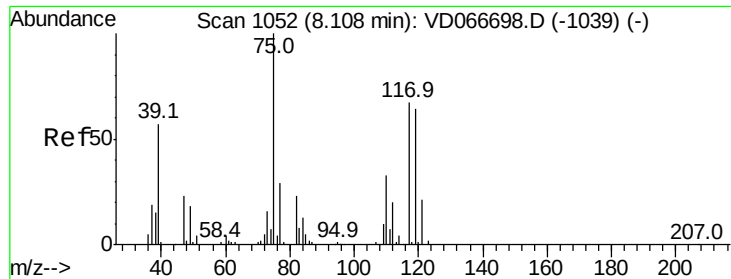


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.534 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

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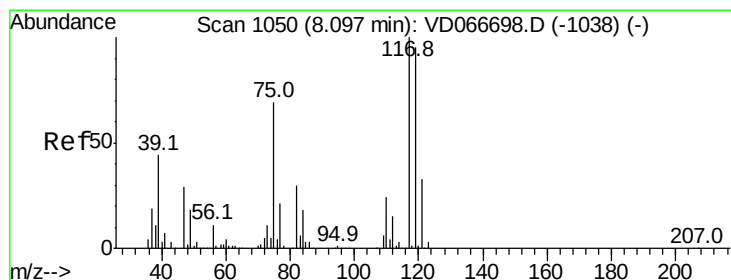
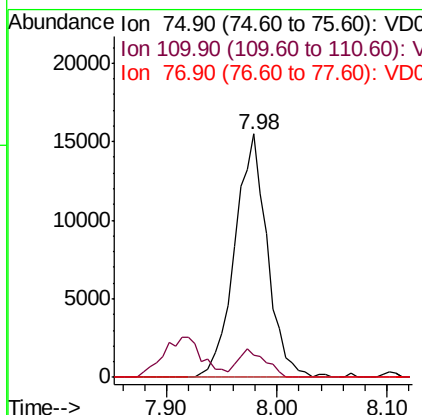
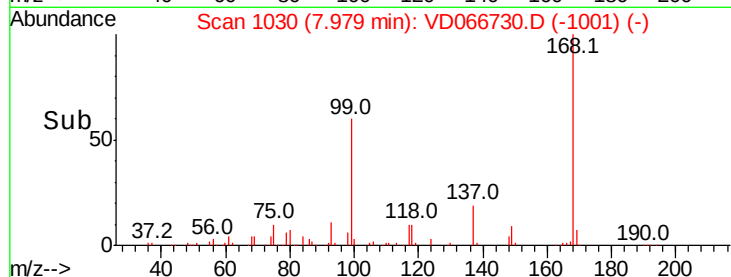
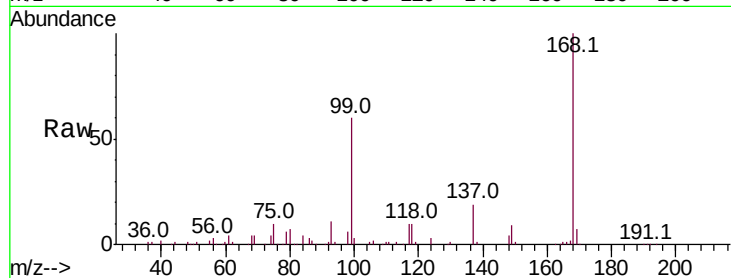
Tot Ion: 75 Resp: 31938

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.378 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

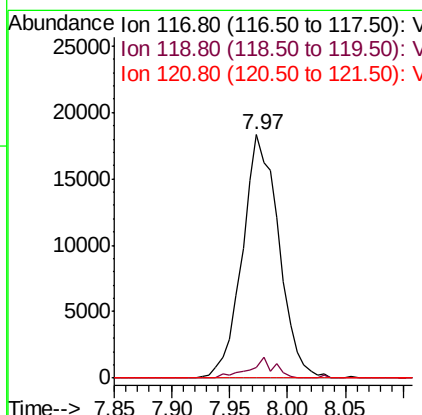
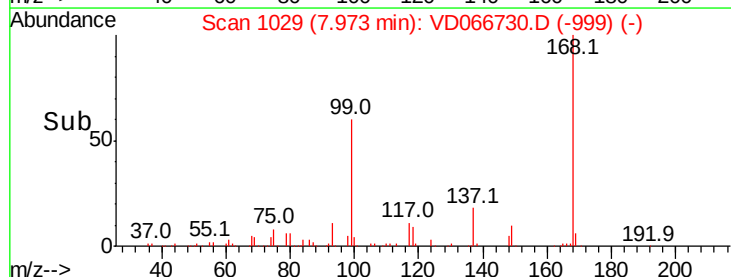
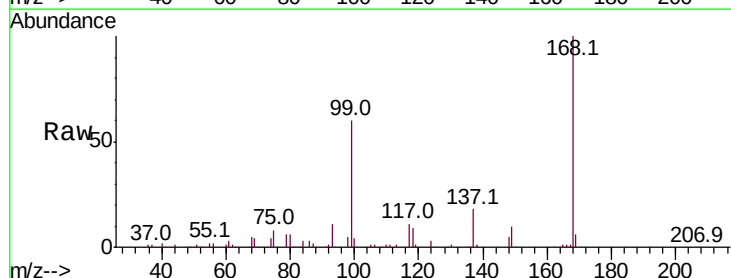
Tgt Ion: 117 Resp: 40233

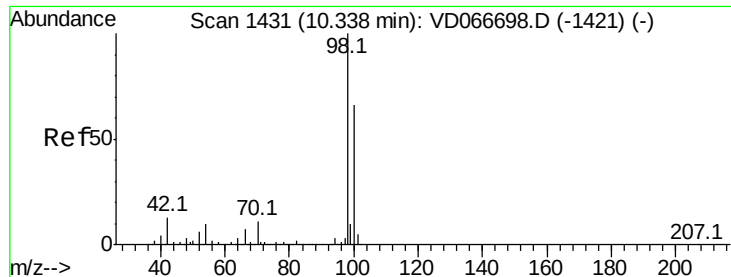
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

121 0.0 26.2 39.4#

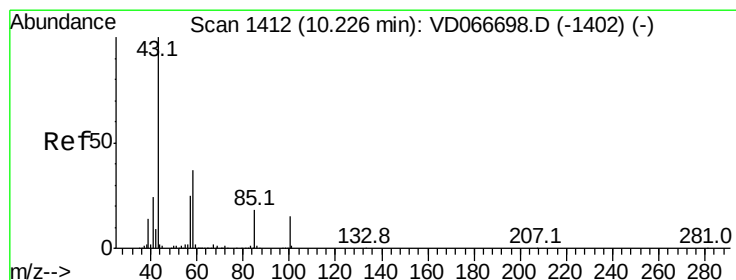
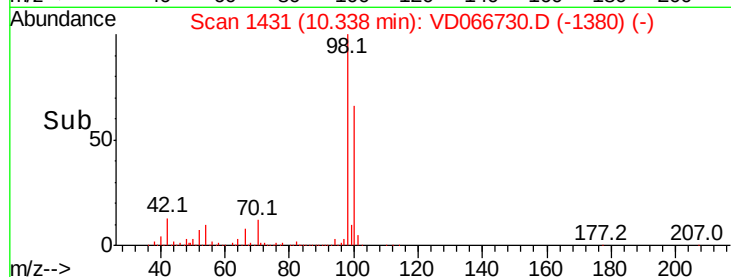
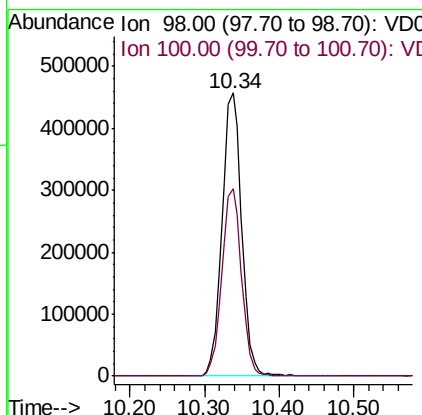
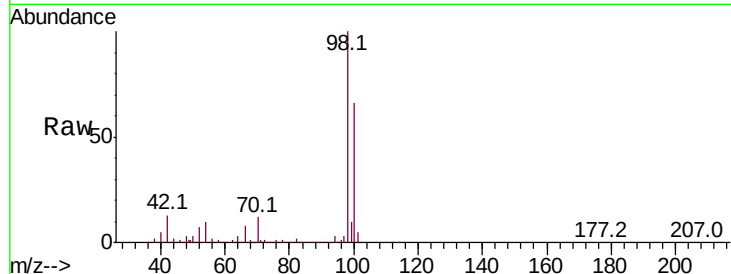




#50
Toluene-d8
Concen: 56.011 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066730.D
Acq: 16 Sep 2020 20:06

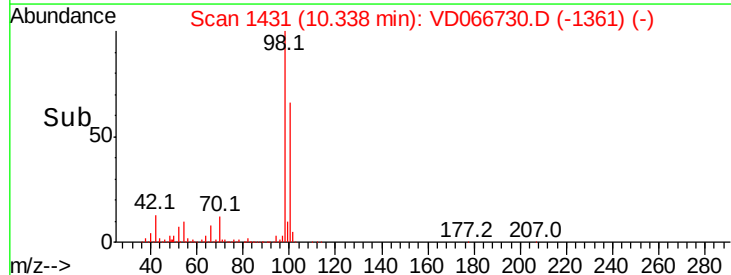
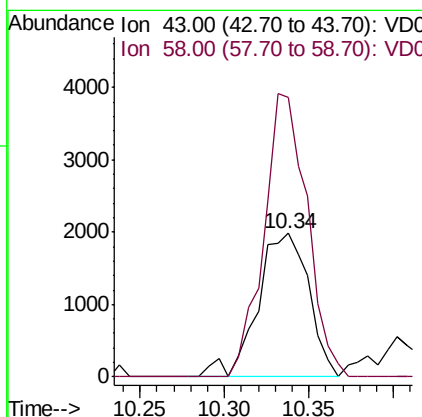
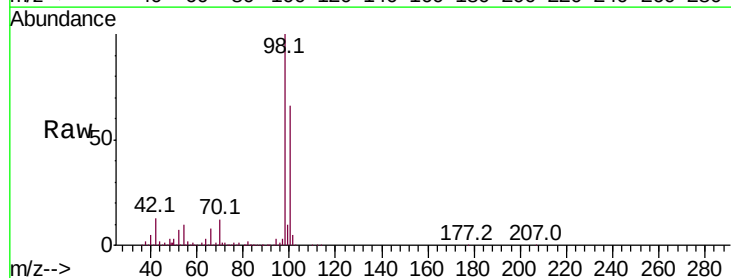
Instrument :
MSVOA_D
ClientSampleId :
PAV-B36-091620-0-1

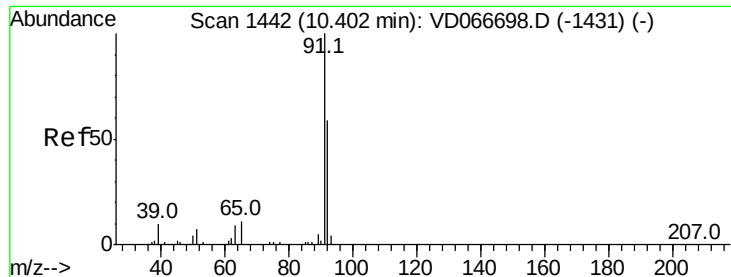
Tot Ion: 98 Resp: 838299
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.613 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066730.D
Acq: 16 Sep 2020 20:06

Tgt Ion: 43 Resp: 4169
Ion Ratio Lower Upper
43 100
58 166.7 30.4 45.6#





#52

Toluene

Concen: 2.401 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

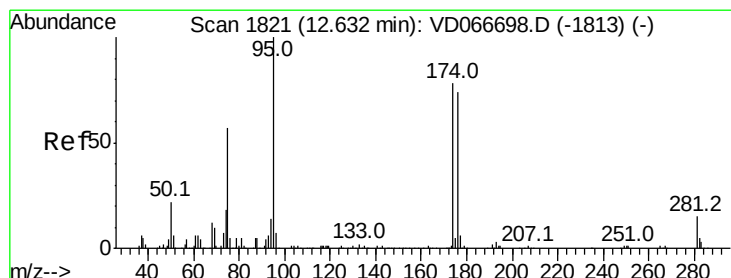
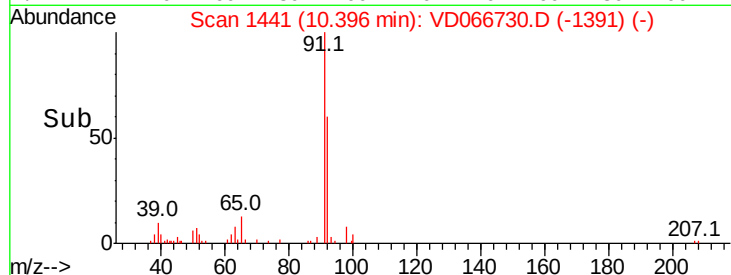
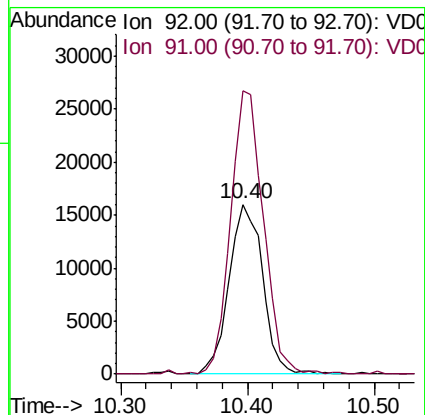
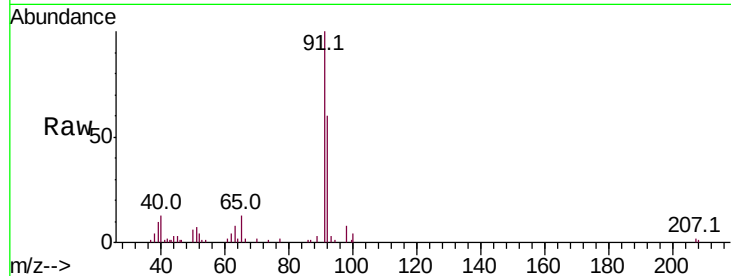
PAV-B36-091620-0-1

Tot Ion: 92 Resp: 29317

Ion Ratio Lower Upper

92 100

91 163.0 135.8 203.8



#62

4-Bromofluorobenzene

Concen: 54.158 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

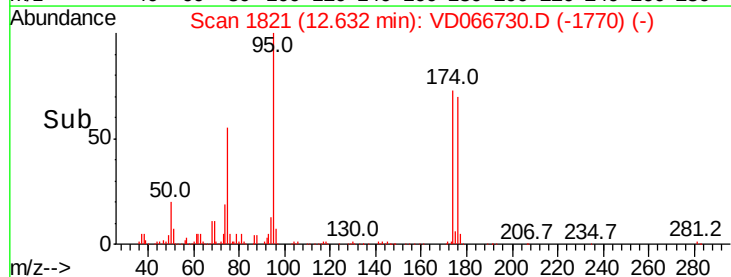
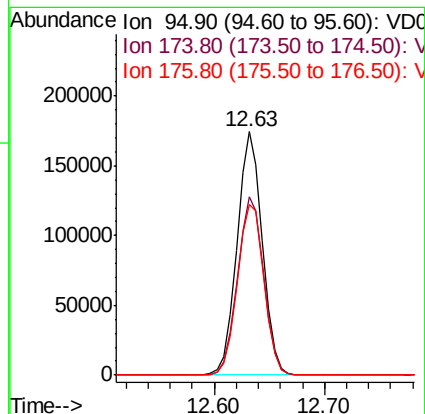
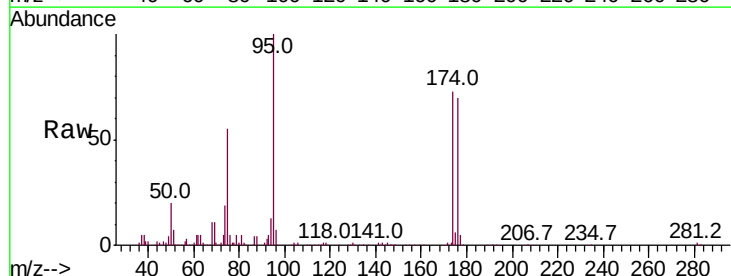
Tgt Ion: 95 Resp: 279795

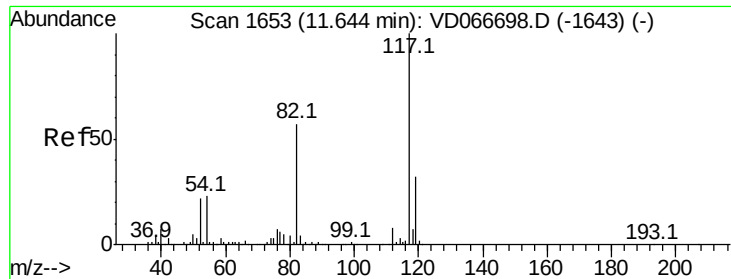
Ion Ratio Lower Upper

95 100

174 75.7 0.0 156.6

176 73.7 0.0 150.2

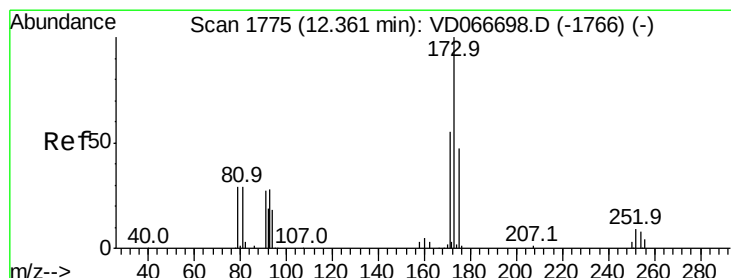
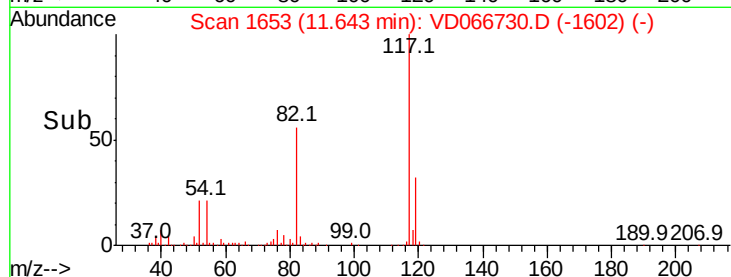
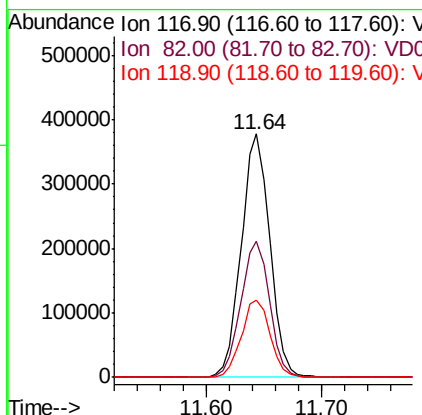
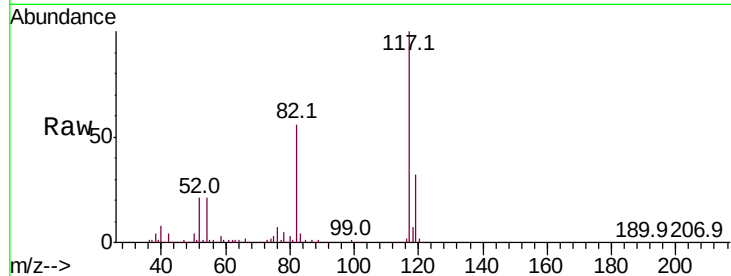




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066730.D
Acq: 16 Sep 2020 20:06

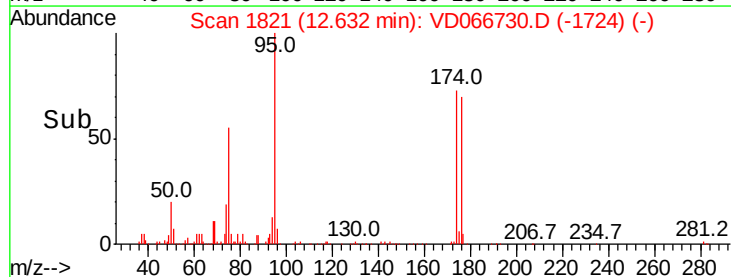
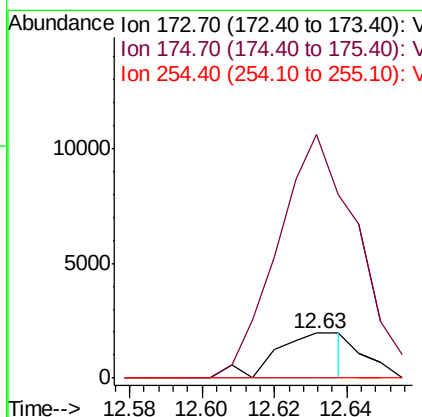
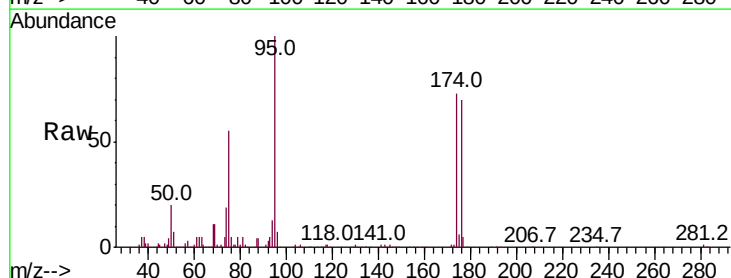
Instrument :
MSVOA_D
ClientSampleId :
PAV-B36-091620-0-1

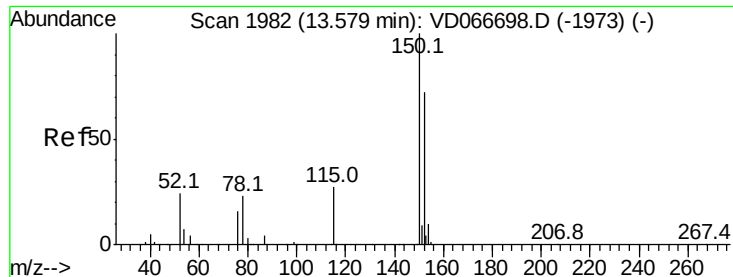
Tot Ion:117 Resp: 648935
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 31.8 25.8 38.6



#71
Bromoform
Concen: 1.037 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD066730.D
Acq: 16 Sep 2020 20:06

Tgt Ion:173 Resp: 2580
Ion Ratio Lower Upper
173 100
175 487.4 24.3 72.8#
254 0.0 0.1 0.1#

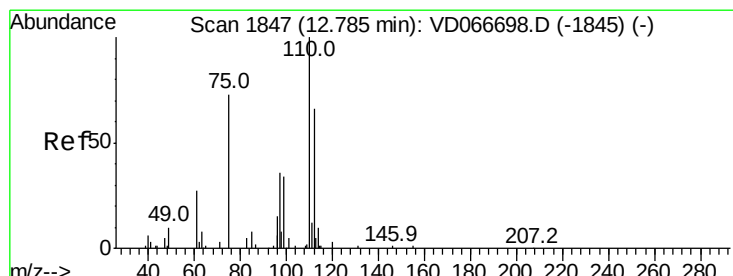
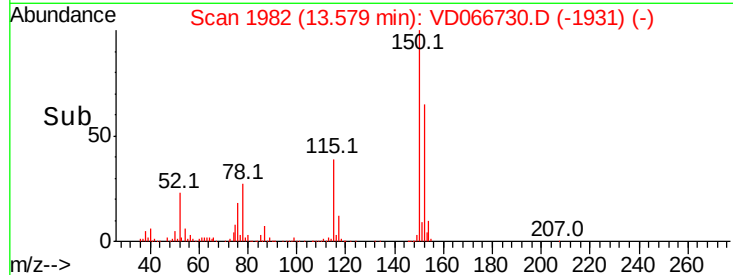
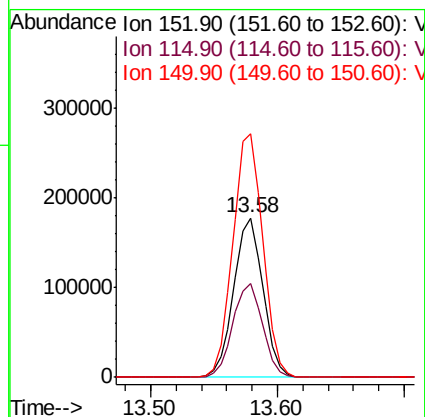
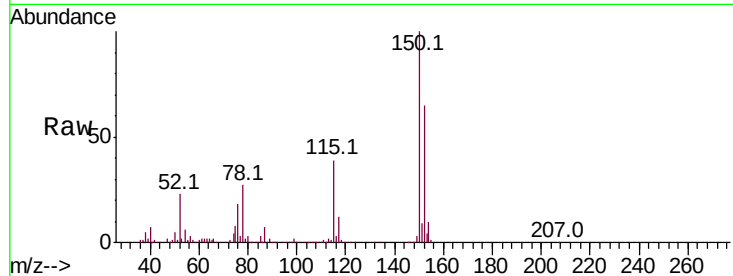




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD066730.D
 Acq: 16 Sep 2020 20:06

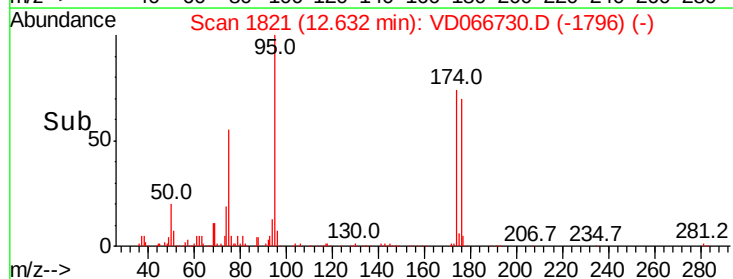
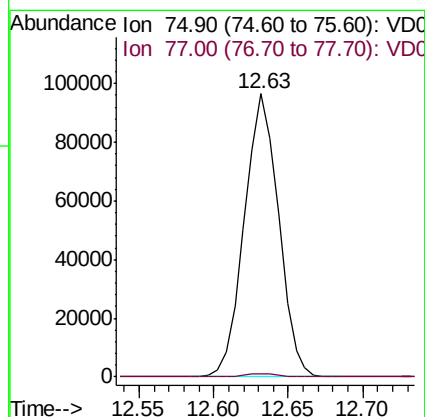
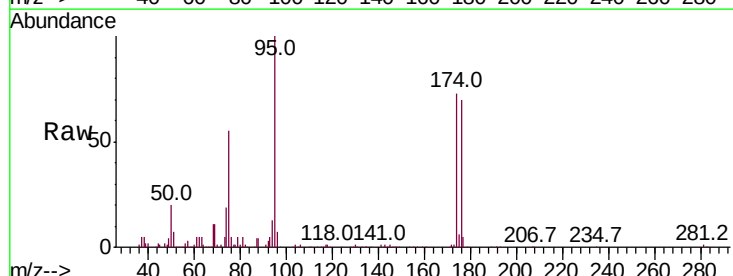
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B36-091620-0-1

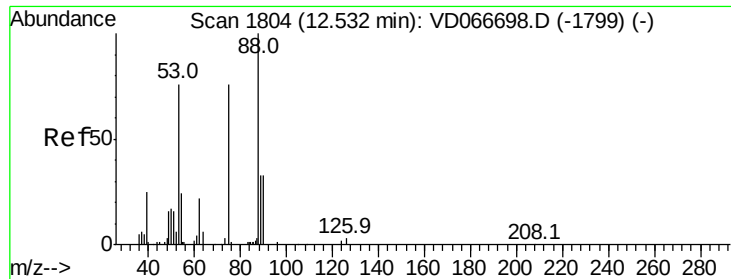
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.5	91.5
150	156.8	0.0	344.6



#76
 1,2,3-Trichloropropane
 Concen: 63.661 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066730.D
 Acq: 16 Sep 2020 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.392 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066730.D

Acq: 16 Sep 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

PAV-B36-091620-0-1

Tot Ion: 75 Resp: 153714

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

