

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066919.D
 Acq On : 28 Sep 2020 17:55
 Operator : VA/SY
 Sample : L4136-01
 Misc : 5.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B26-092420-0-1

Quant Time: Sep 29 00:58:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	383335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	677135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	701807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304126	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	211214	56.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.58%		
35) Dibromofluoromethane	7.91	113	216520	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.52%		
50) Toluene-d8	10.34	98	832550	56.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.44%		
62) 4-Bromofluorobenzene	12.63	95	296521	59.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	118.02%		

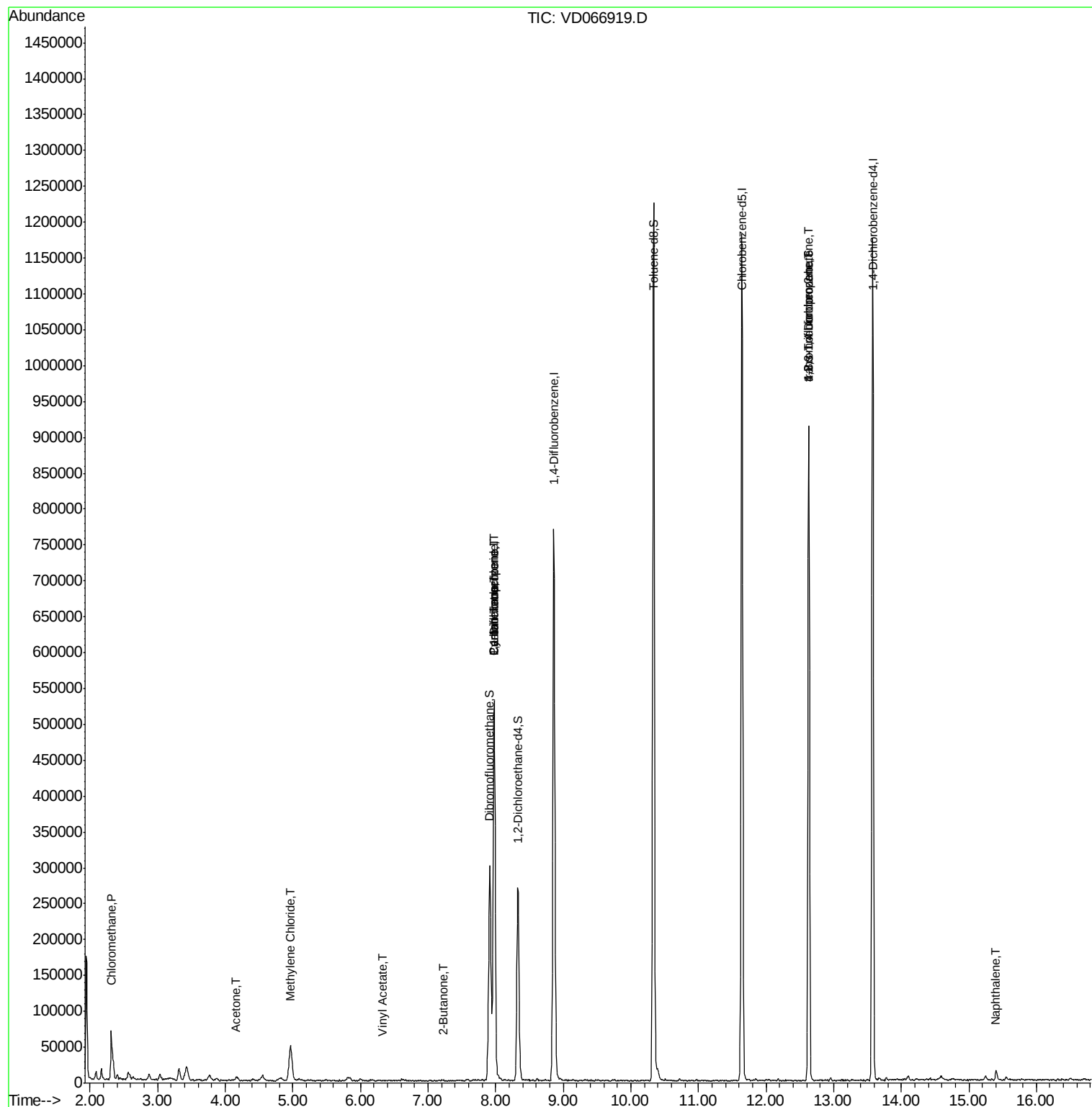
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	196	Below Cal	#	46
3) Chloromethane	2.32	50	3565	1.012	ug/l	99
16) Acetone	4.16	43	6299	7.914	ug/l	99
18) Methyl Acetate	4.66	43	74	Below Cal	#	50
20) Methylene Chloride	4.97	84	38589	3.579	ug/l	84
23) Vinyl Acetate	6.33	43	71	2.683	ug/l #	71
25) 2-Butanone	7.23	43	1895	1.981	ug/l #	46
31) Cyclohexane	7.97	56	8687	1.273	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	30985	4.612	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40147	5.466	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	147775	58.633	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147775	146.694	ug/l #	10
95) Naphthalene	15.40	128	12792	1.378	ug/l #	89

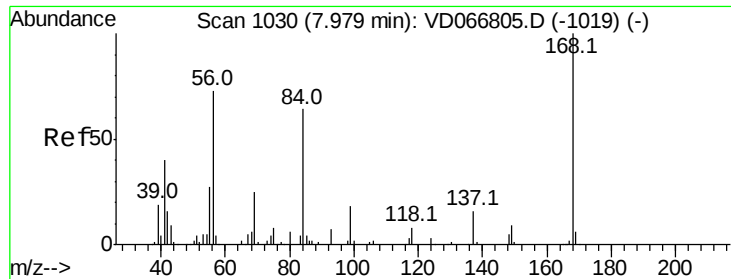
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092820\
Data File : VD066919.D
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

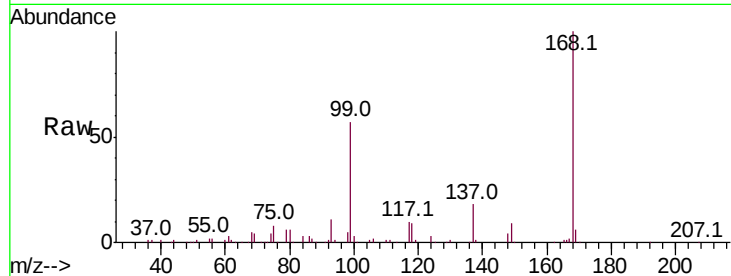
PAV-B26-092420-0-1

Tot Ion:168 Resp: 383335

Ion Ratio Lower Upper

168 100

99 57.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

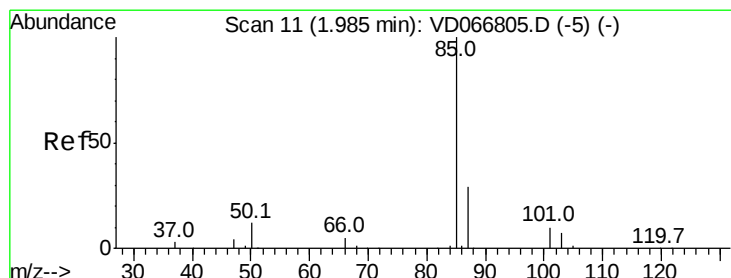
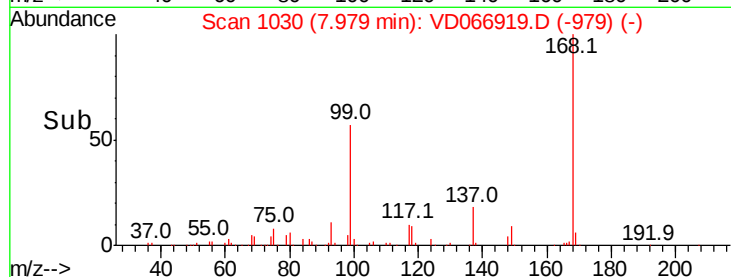
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066919.D

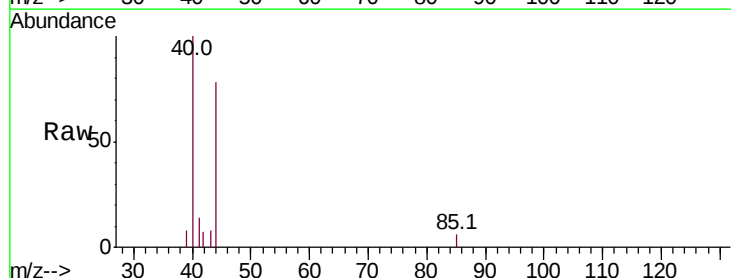
Acq: 28 Sep 2020 17:55

Tgt Ion: 85 Resp: 196

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

250

200

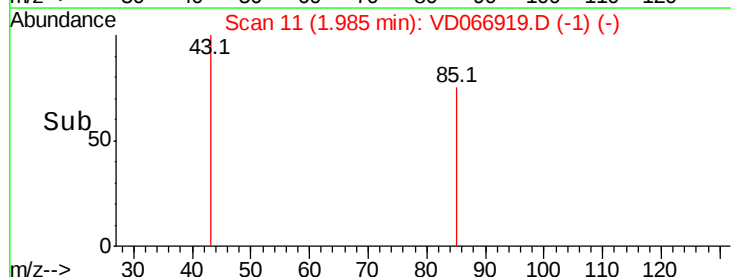
150

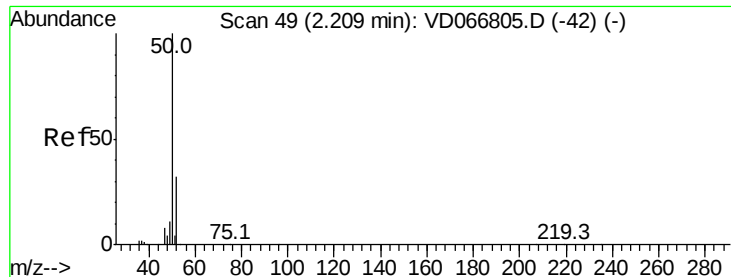
100

50

0

Time--> 1.96 1.98 2.00





#3

Chloromethane

Concen: 1.012 ug/l

RT: 2.32 min Scan# 68

Delta R.T. 0.11 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

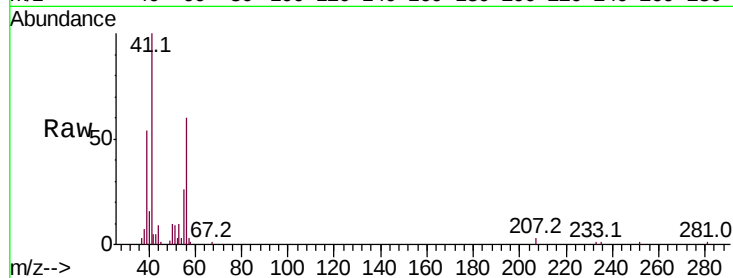
PAV-B26-092420-0-1

Tot Ion: 50 Resp: 3565

Ion Ratio Lower Upper

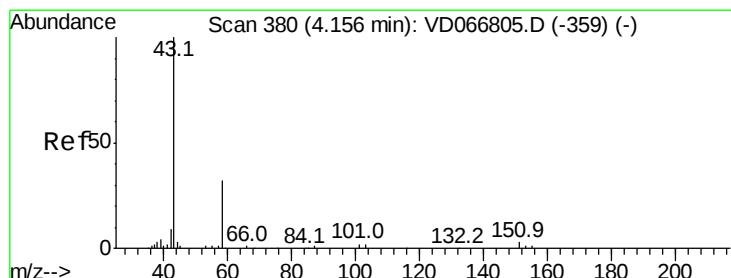
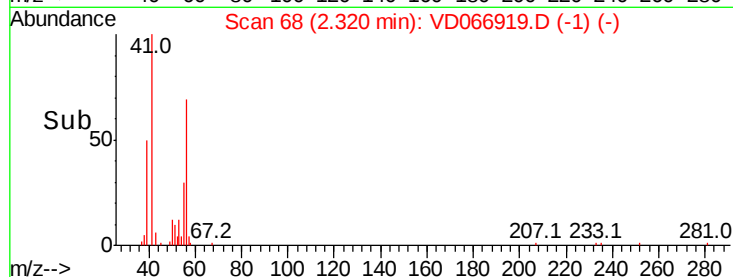
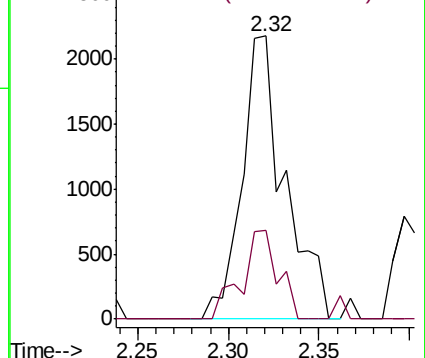
50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#16

Acetone

Concen: 7.914 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066919.D

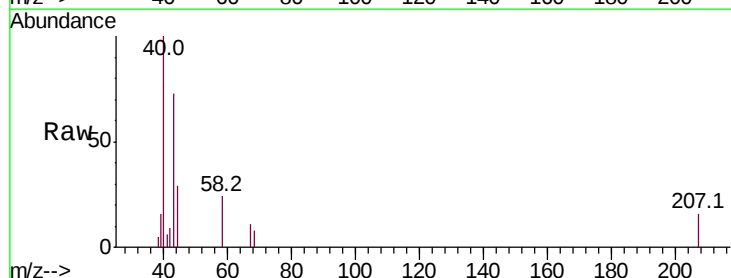
Acq: 28 Sep 2020 17:55

Tgt Ion: 43 Resp: 6299

Ion Ratio Lower Upper

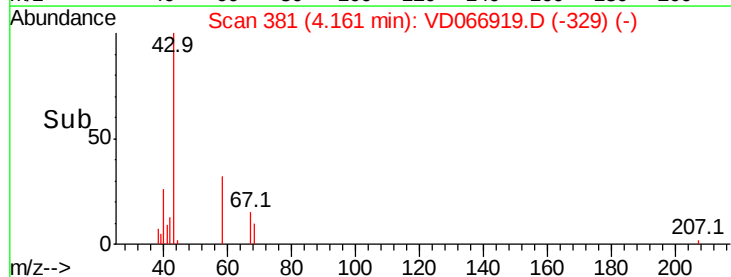
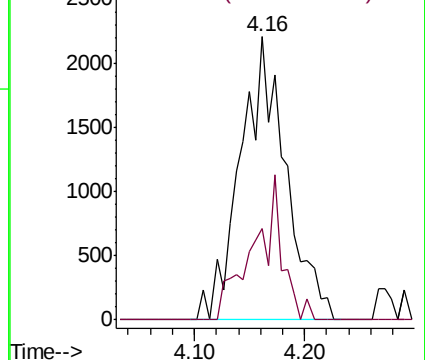
43 100

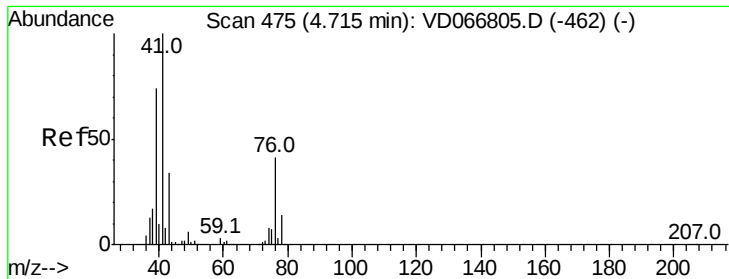
58 32.4 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

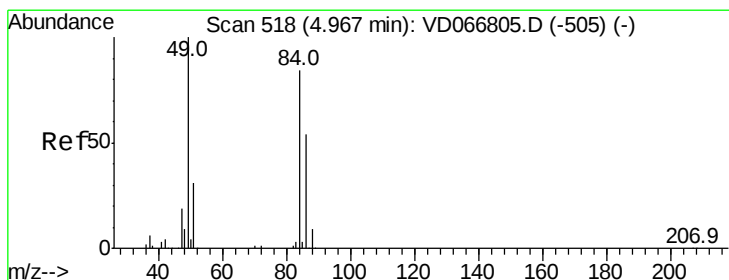
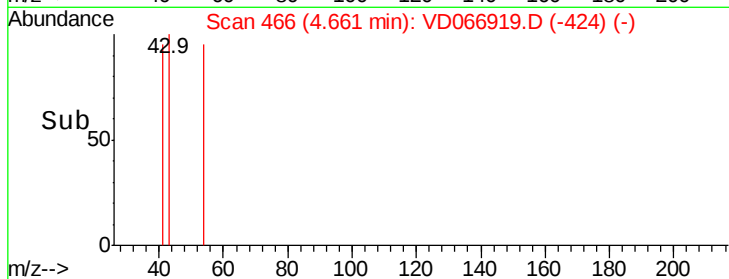
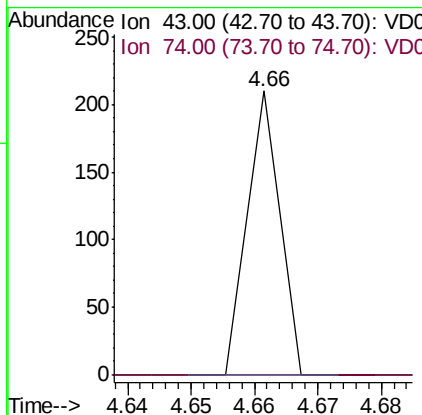
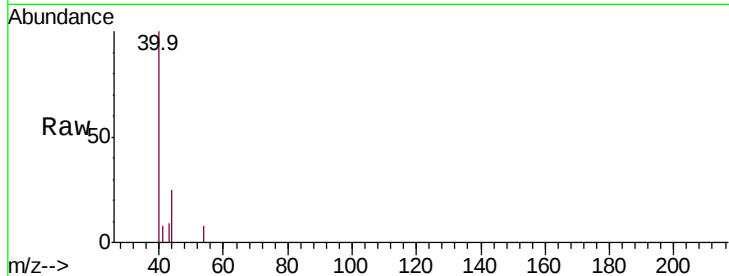




#18
Methyl Acetate
Concen: Below Cal
RT: 4.66 min Scan# 466
Delta R.T. -0.05 min
Lab File: VD066919.D
Acq: 28 Sep 2020 17:55

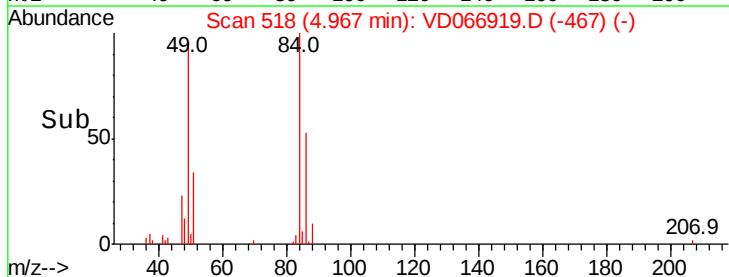
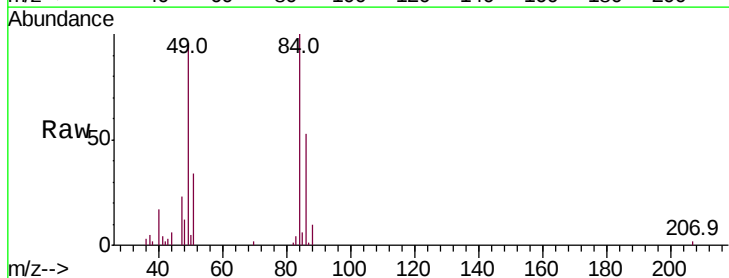
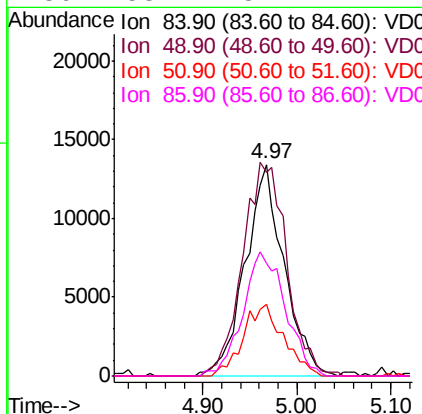
Instrument :
MSVOA_D
ClientSampleId :
PAV-B26-092420-0-1

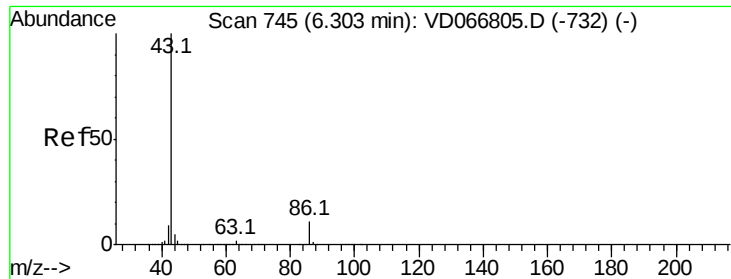
Tot Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 3.579 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066919.D
Acq: 28 Sep 2020 17:55

Tgt Ion: 84 Resp: 38589
Ion Ratio Lower Upper
84 100
49 95.8 95.4 143.2
51 34.1 29.7 44.5
86 53.4 51.4 77.2

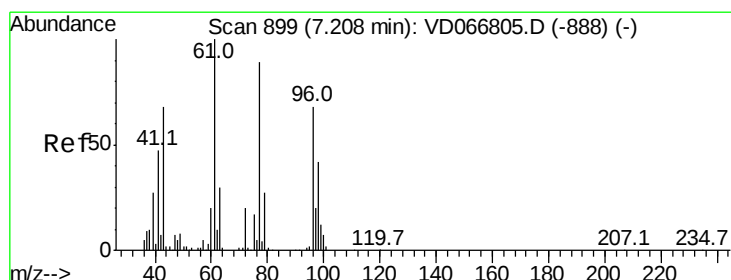
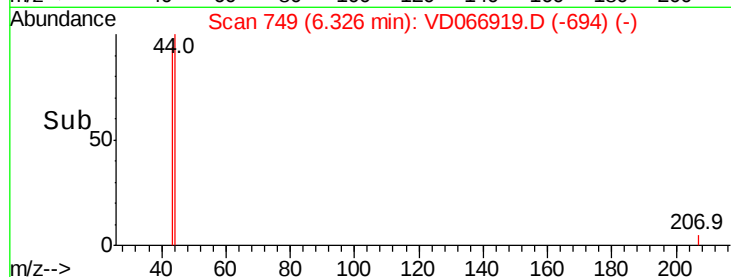
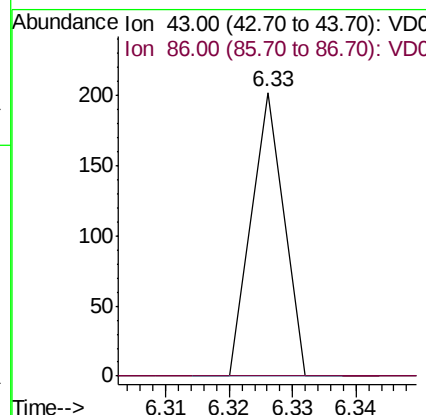
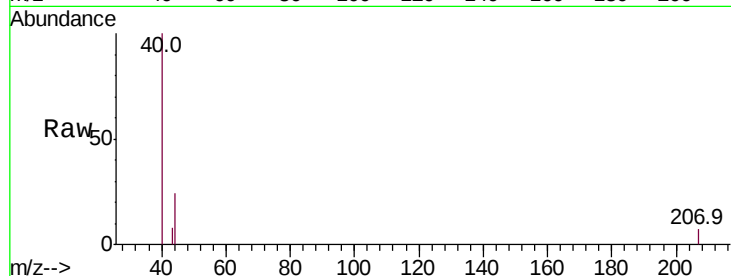




#23
 Vinyl Acetate
 Concen: 2.683 ug/l
 RT: 6.33 min Scan# 749
 Delta R.T. 0.02 min
 Lab File: VD066919.D
 Acq: 28 Sep 2020 17:55

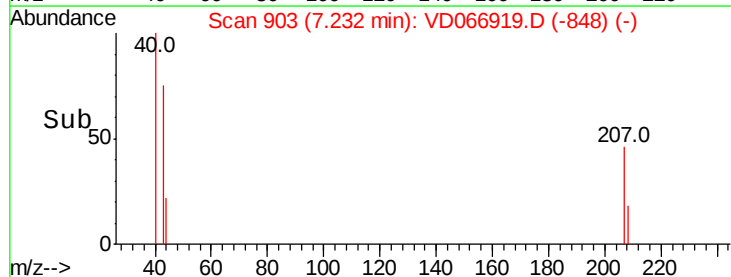
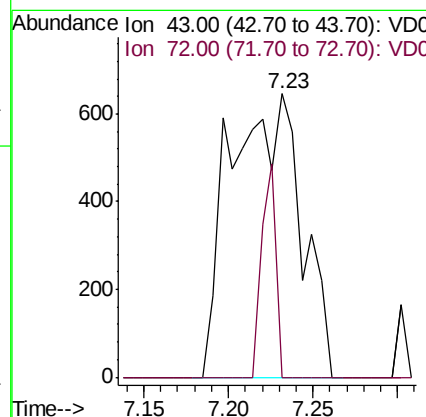
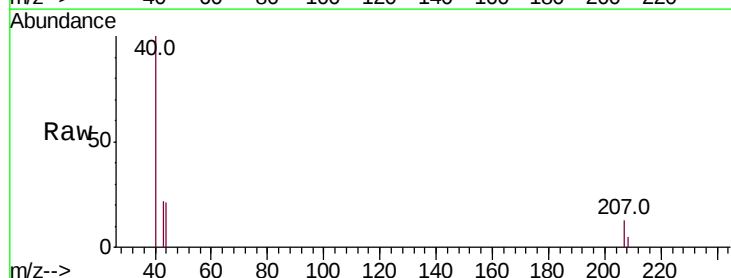
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B26-092420-0-1

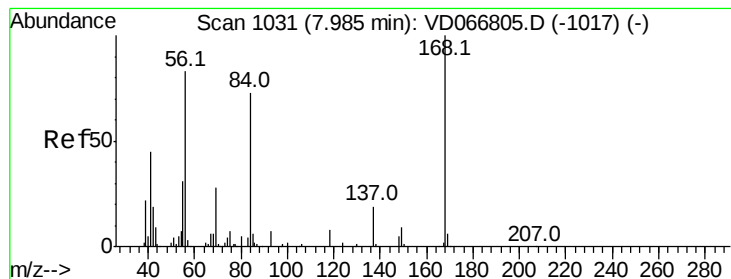
Tot Ion: 43 Resp: 71
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 1.981 ug/l
 RT: 7.23 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: VD066919.D
 Acq: 28 Sep 2020 17:55

Tgt Ion: 43 Resp: 1895
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.9 34.3#





#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-0-1

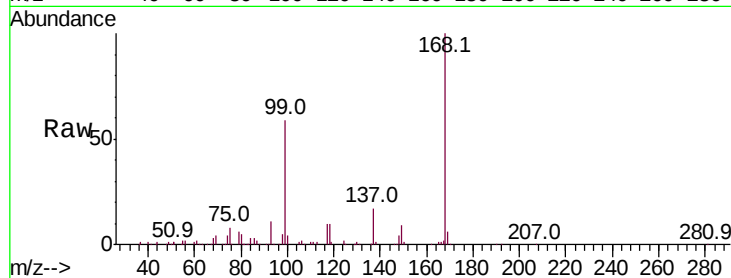
Tot Ion: 56 Resp: 8687

Ion Ratio Lower Upper

56 100

69 167.4 27.0 40.4#

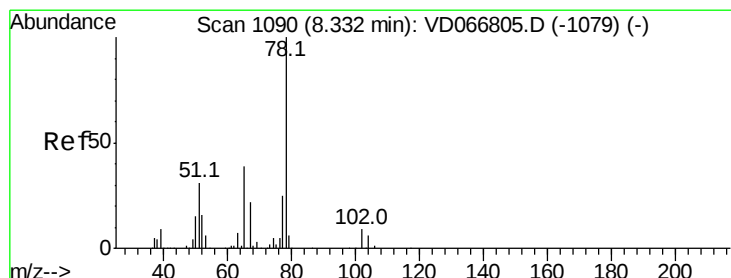
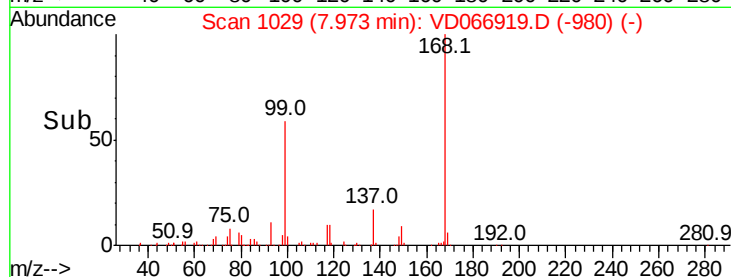
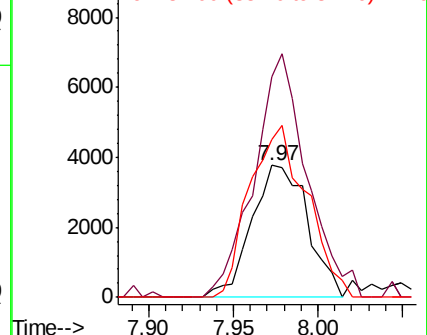
84 119.8 70.2 105.4#



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: 56.295 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066919.D

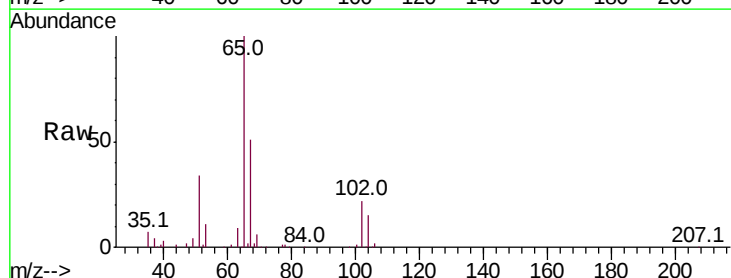
Acq: 28 Sep 2020 17:55

Tgt Ion: 65 Resp: 211214

Ion Ratio Lower Upper

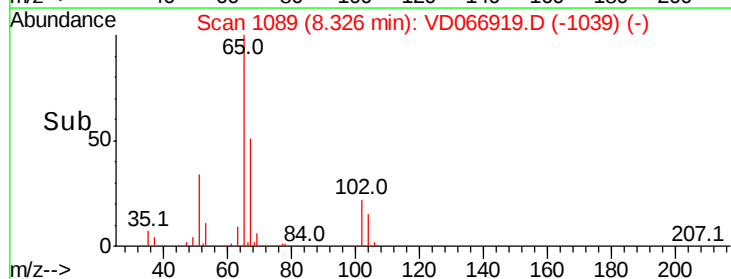
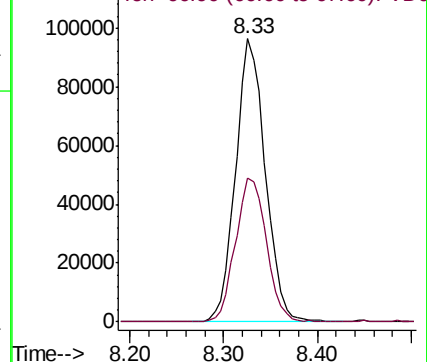
65 100

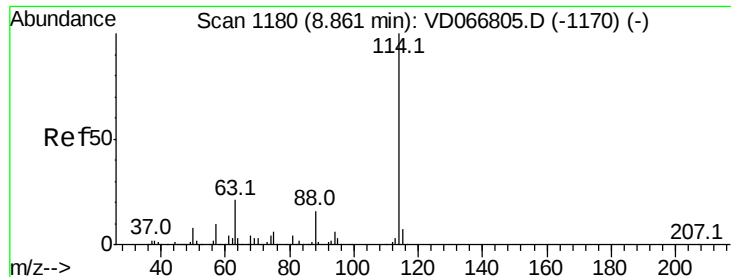
67 53.0 0.0 107.2



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: VD066919.D

Acq: 28 Sep 2020 17:55

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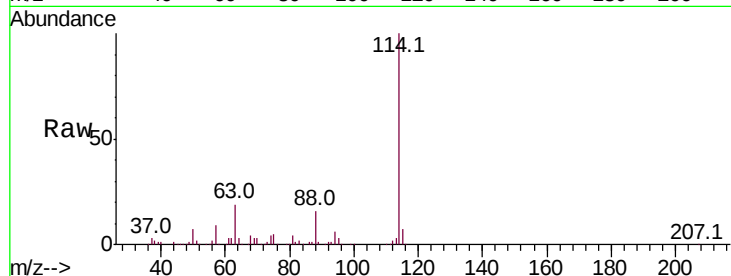
Tot Ion:114 Resp: 677135

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.6

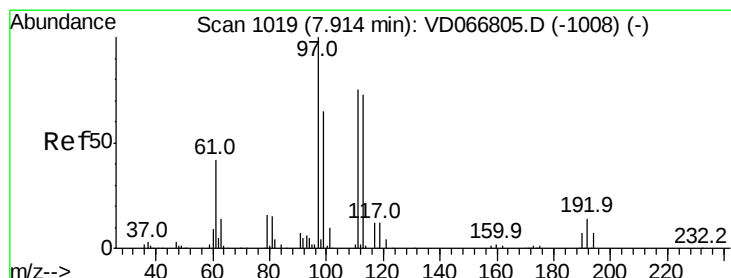
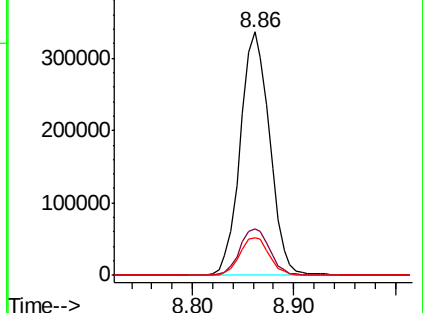
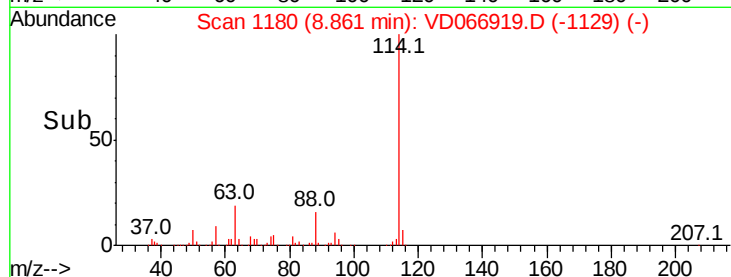
88 15.7 0.0 32.6



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: 50.261 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

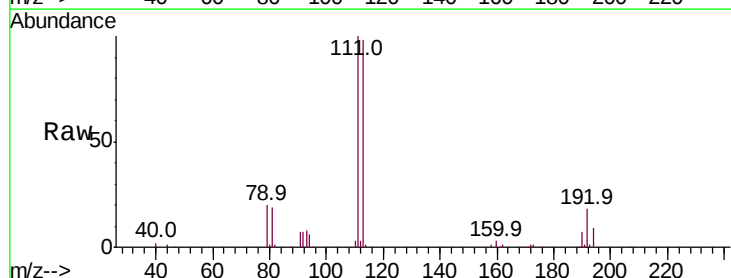
Tgt Ion:113 Resp: 216520

Ion Ratio Lower Upper

113 100

111 105.9 81.8 122.8

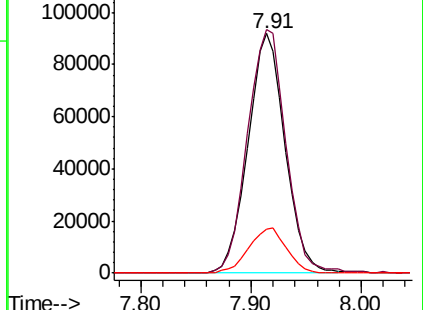
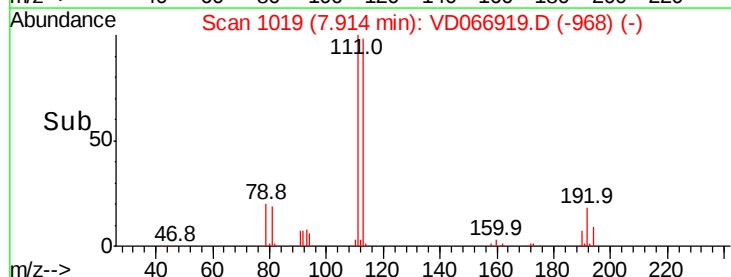
192 19.4 14.4 21.6

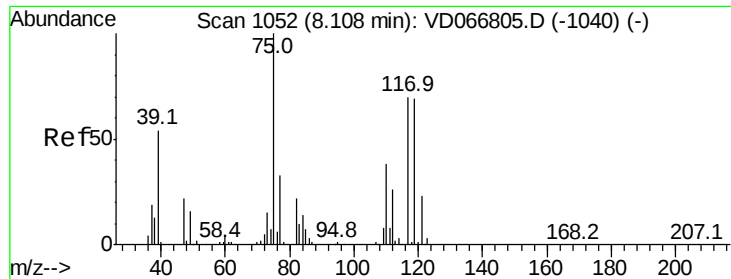


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.612 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-0-1

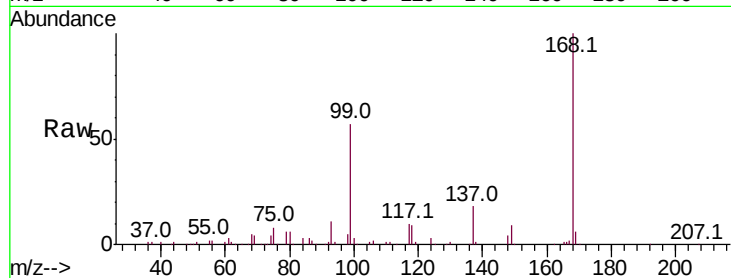
Tot Ion: 75 Resp: 30985

Ion Ratio Lower Upper

75 100

110 10.1 17.9 53.8#

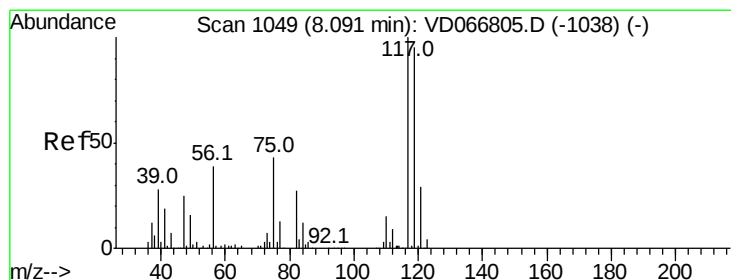
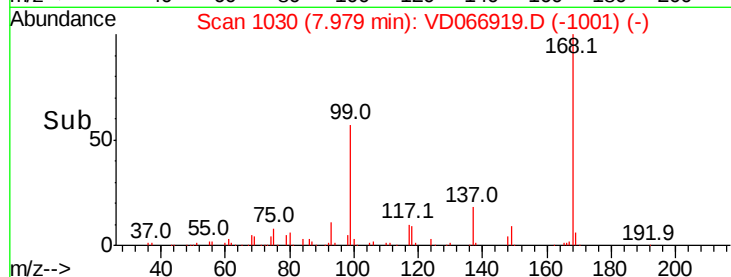
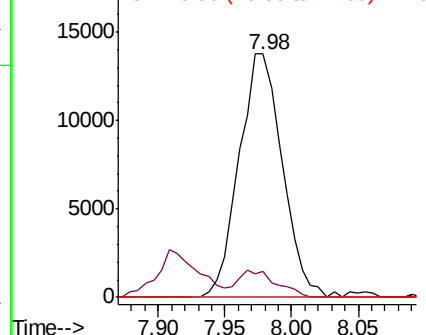
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.466 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

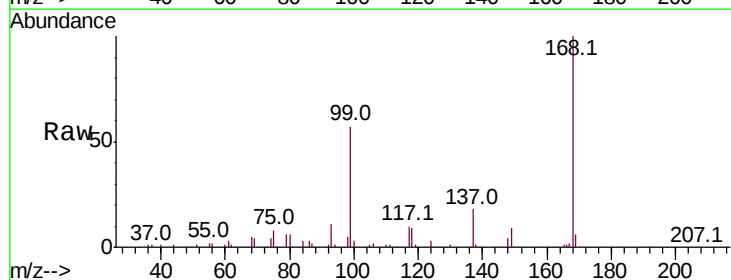
Tgt Ion: 117 Resp: 40147

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

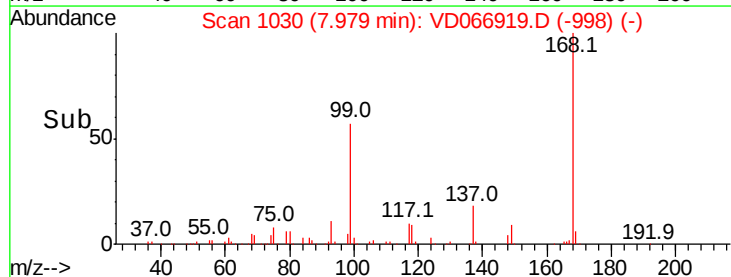
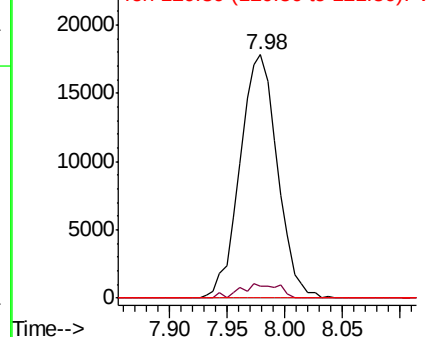
121 0.0 23.4 35.0#

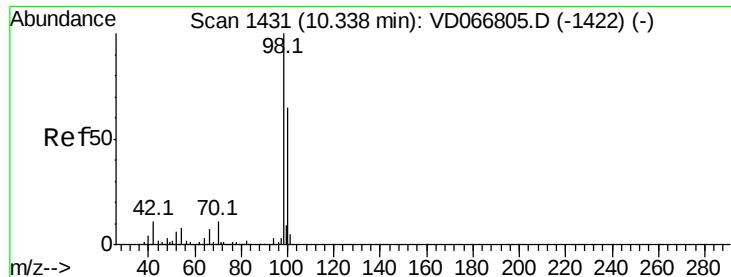


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC





#50

Toluene-d8

Concen: 56.721 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

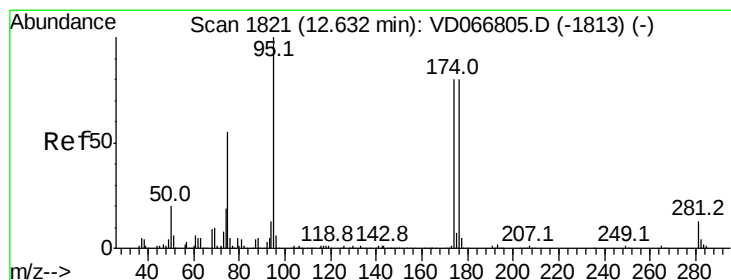
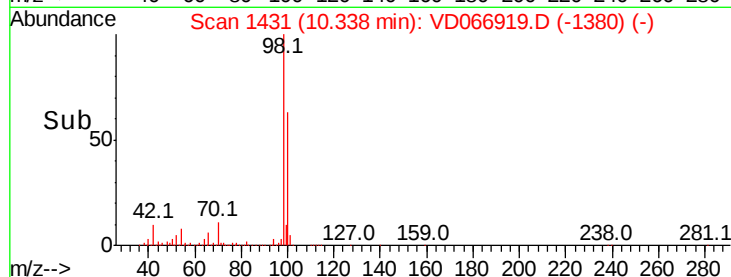
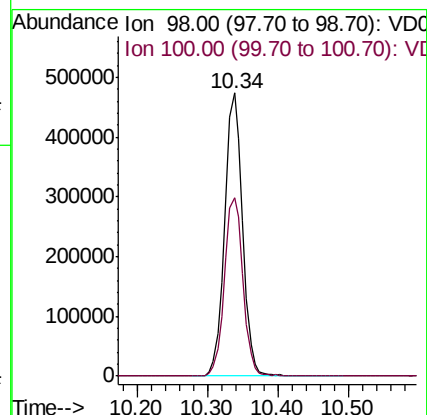
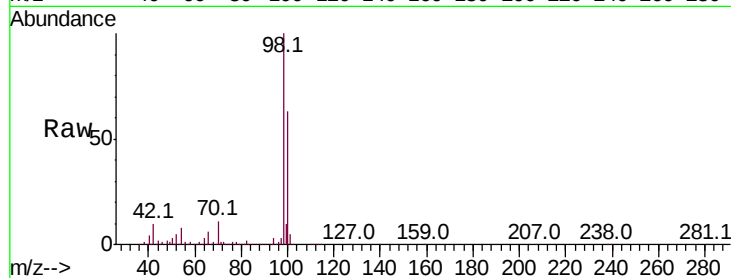
PAV-B26-092420-0-1

Tot Ion: 98 Resp: 832550

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 59.012 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

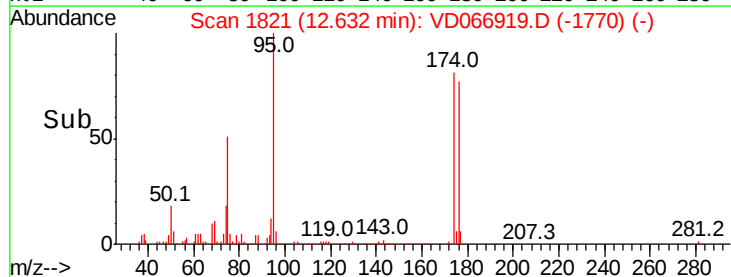
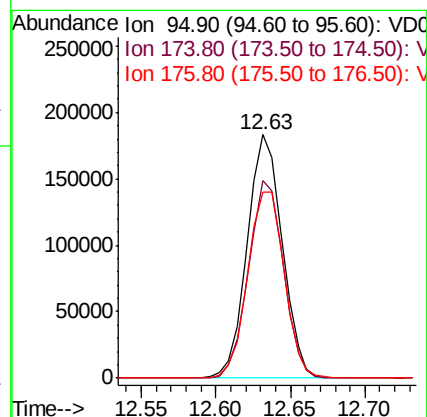
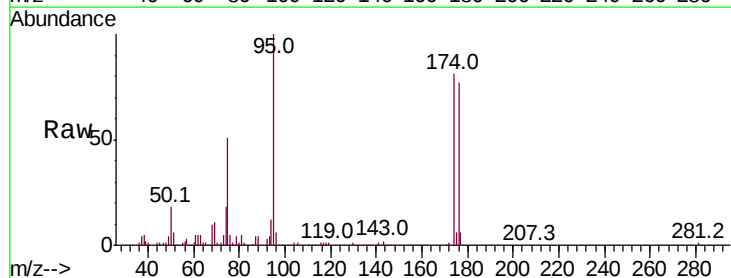
Tgt Ion: 95 Resp: 296521

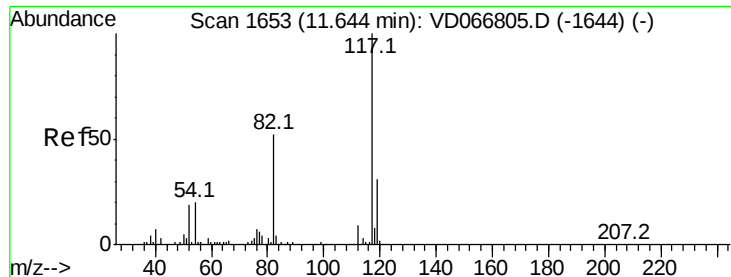
Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.8

176 80.0 0.0 154.4

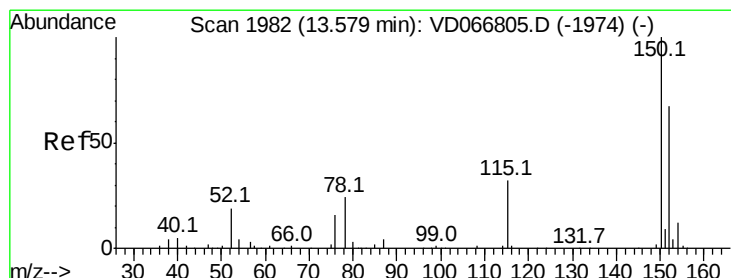
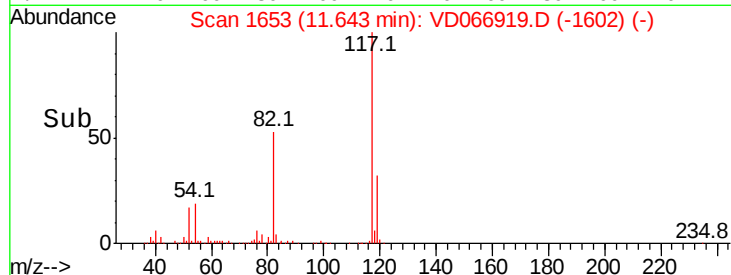
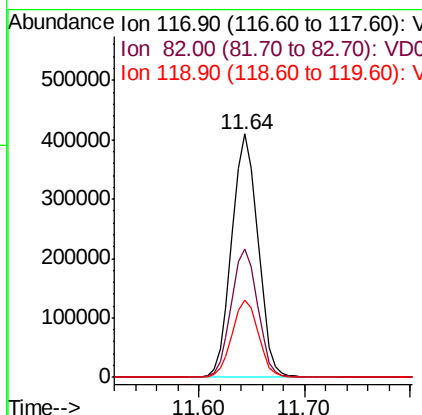
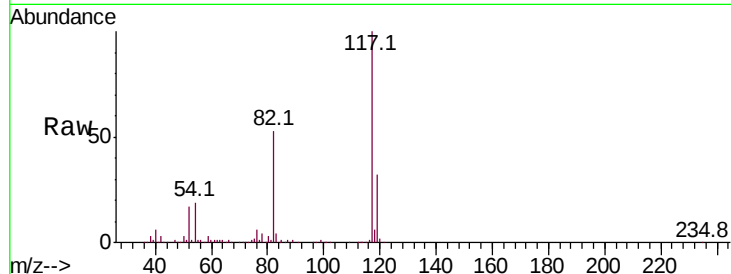




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066919.D
Acq: 28 Sep 2020 17:55

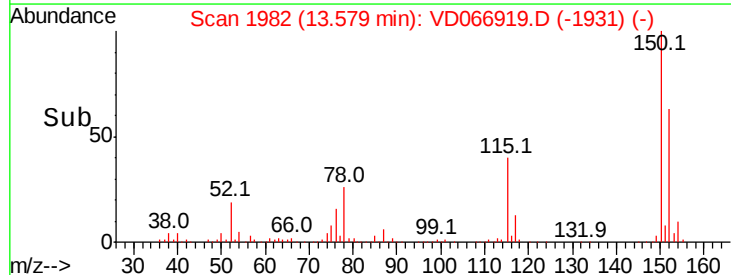
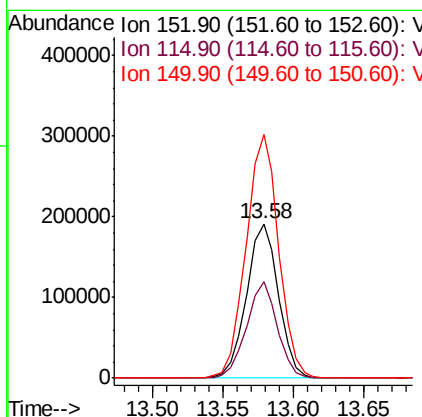
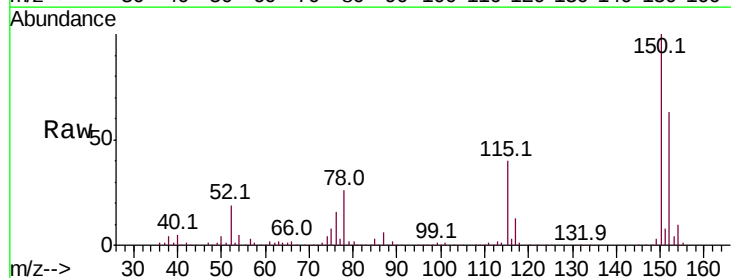
Instrument :
MSVOA_D
ClientSampleId :
PAV-B26-092420-0-1

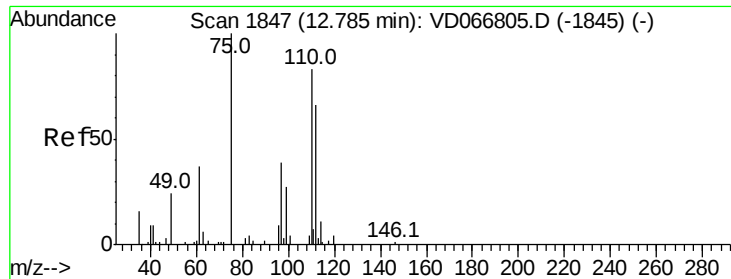
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.6
119	31.5	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066919.D
Acq: 28 Sep 2020 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.3	91.0
150	160.5	0.0	346.2





#76

1,2,3-Trichloropropane

Concen: 58.633 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

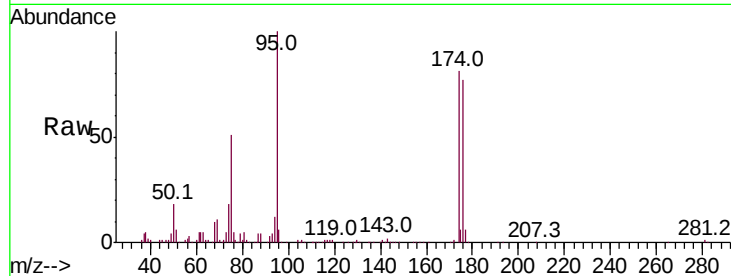
PAV-B26-092420-0-1

Tot Ion: 75 Resp: 147775

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

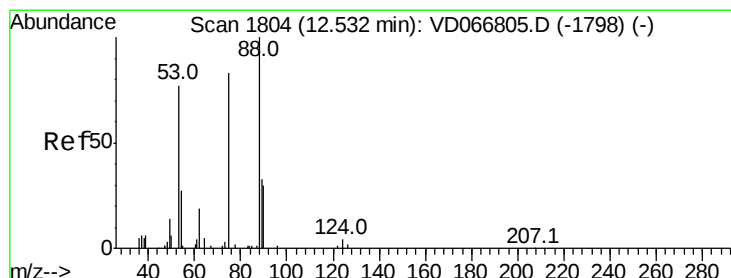
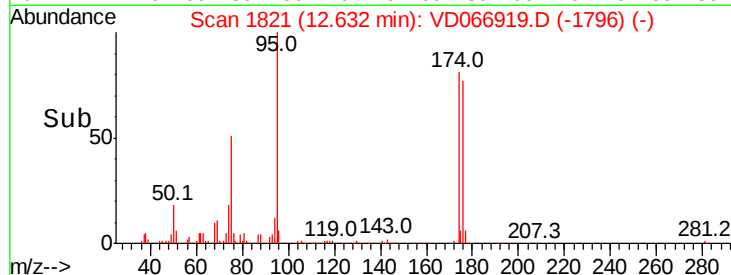
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 146.694 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

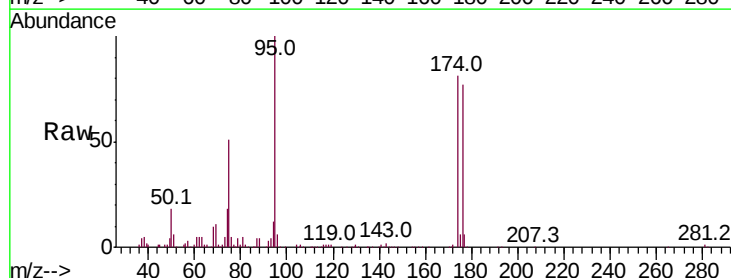
Tgt Ion: 75 Resp: 147775

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#



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

12.63

120000

100000

80000

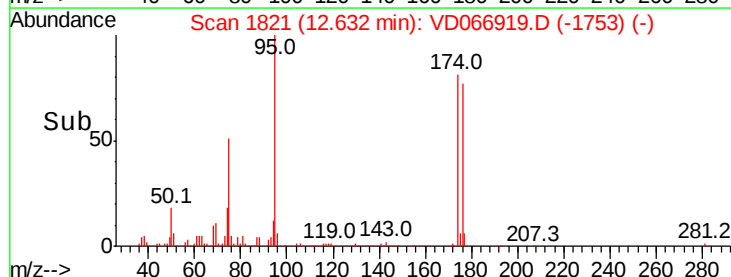
60000

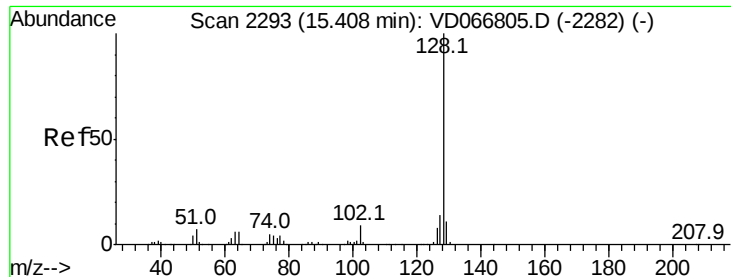
40000

20000

0

Time-->





#95

Naphthalene

Concen: 1.378 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066919.D

Acq: 28 Sep 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-0-1

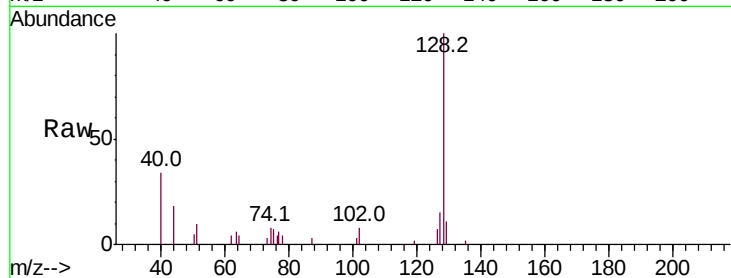
Tot Ion:128 Resp: 12792

Ion Ratio Lower Upper

128 100

127 5.7 10.6 16.0#

129 10.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

