

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065624.D
 Acq On : 13 Apr 2020 18:41
 Operator : VA/SY
 Sample : L2226-02
 Misc : 6.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-066

Quant Time: Apr 14 02:13:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	398070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	737986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	803229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	357218	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	251267	66.74	ug/l	0.00
Spiked Amount			Recovery	=	133.48%	
35) Dibromofluoromethane	7.92	113	279555	54.22	ug/l	0.00
Spiked Amount			Recovery	=	108.44%	
50) Toluene-d8	10.34	98	976955	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.64	95	288956	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	

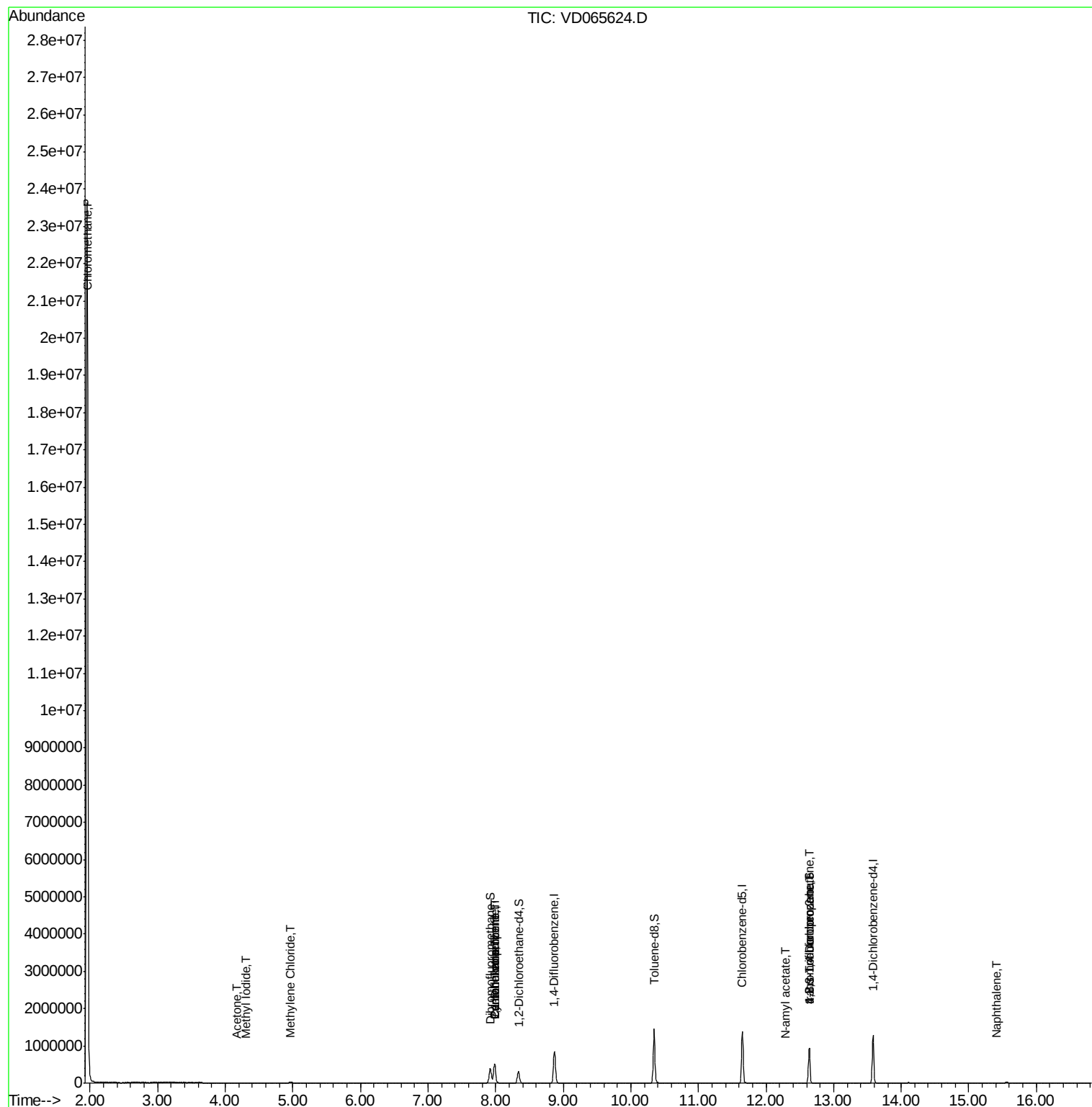
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.96	50	166768	37.360	ug/l #	1
10) Methyl Iodide	4.30	142	65	2.593	ug/l #	41
16) Acetone	4.16	43	742	1.091	ug/l #	46
20) Methylene Chloride	4.97	84	14376	3.199	ug/l #	88
31) Cyclohexane	7.98	56	8037	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	27372	3.603	ug/l #	49
38) Carbon Tetrachloride	7.99	117	36811	4.462	ug/l #	15
74) N-amyl acetate	12.29	43	131	2.957	ug/l #	68
76) 1,2,3-Trichloropropane	12.64	75	147154	51.363	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	147154	118.976	ug/l #	13
95) Naphthalene	15.41	128	1180	4.084	ug/l #	76

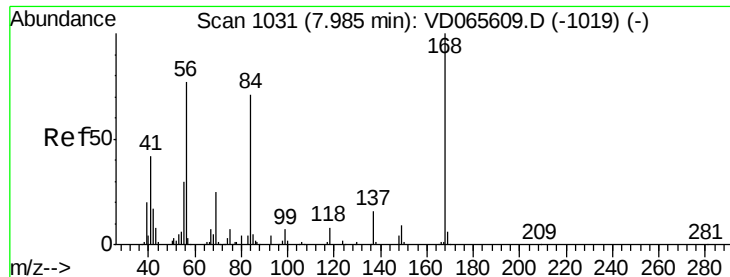
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 10 01:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

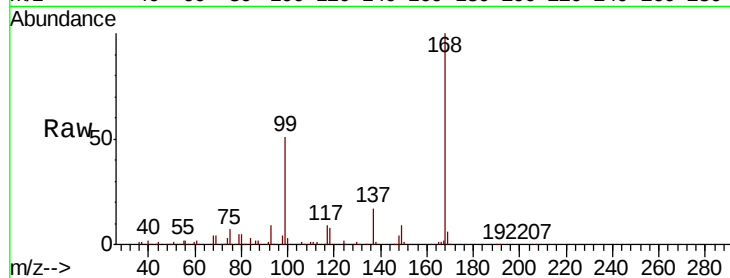
FK-PS-01-066

Tot Ion:168 Resp: 398070

Ion Ratio Lower Upper

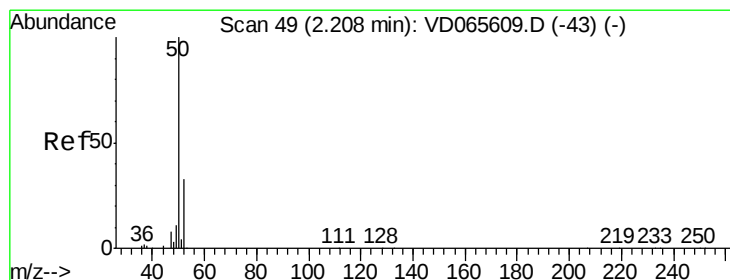
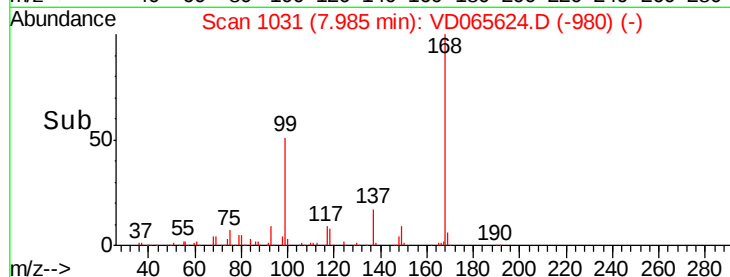
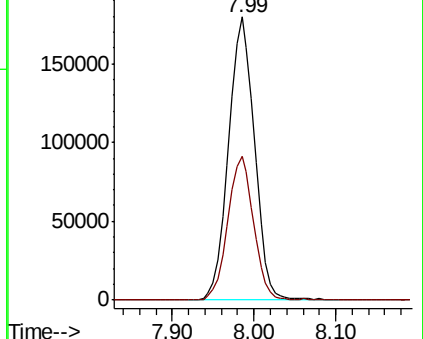
168 100

99 50.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 37.360 ug/l

RT: 1.96 min Scan# 6

Delta R.T. -0.25 min

Lab File: VD065624.D

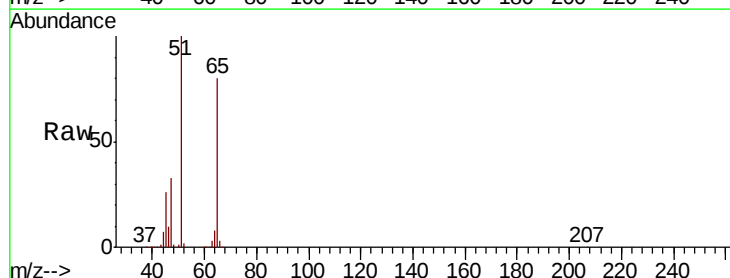
Acq: 13 Apr 2020 18:41

Tgt Ion: 50 Resp: 166768

Ion Ratio Lower Upper

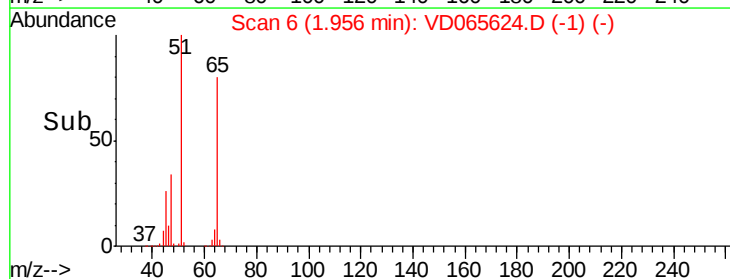
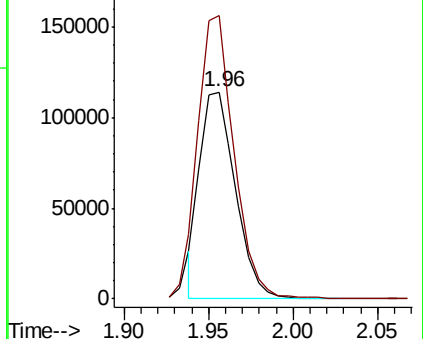
50 100

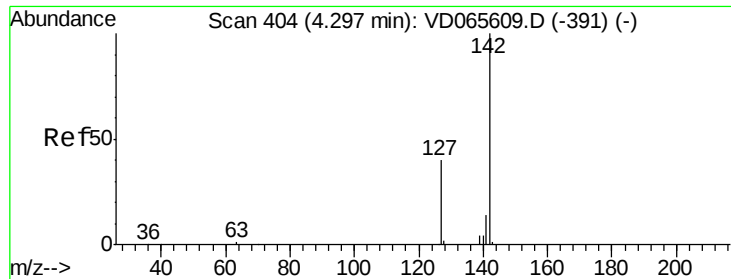
52 136.9 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#10

Methyl Iodide

Concen: 2.593 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-066

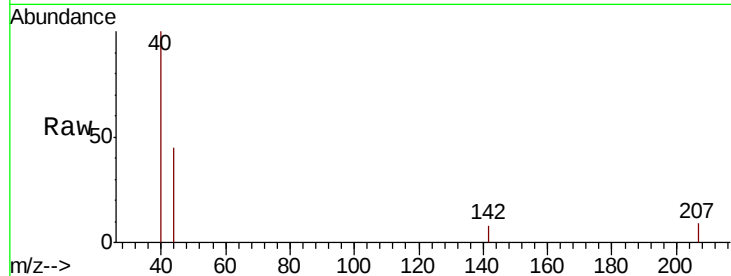
Tot Ion:142 Resp: 65

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.7 17.5#



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

250

200

150

100

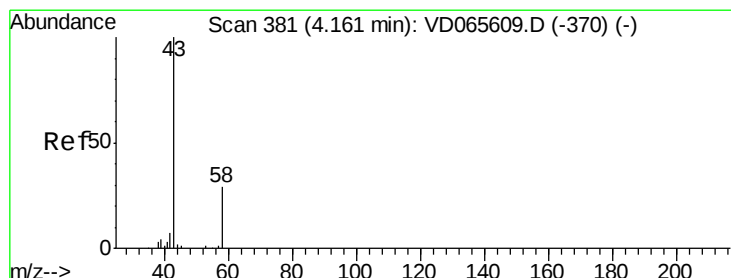
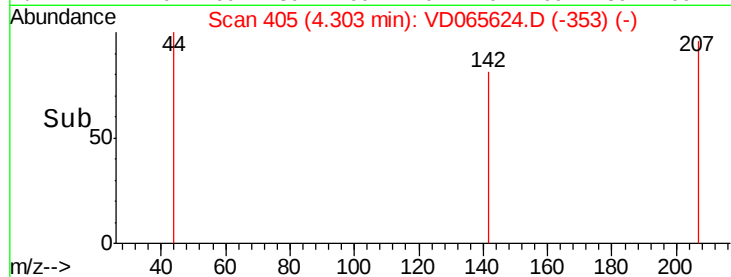
50

0

4.30

4.28 4.29 4.30 4.31 4.32

Time-->



#16

Acetone

Concen: 1.091 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065624.D

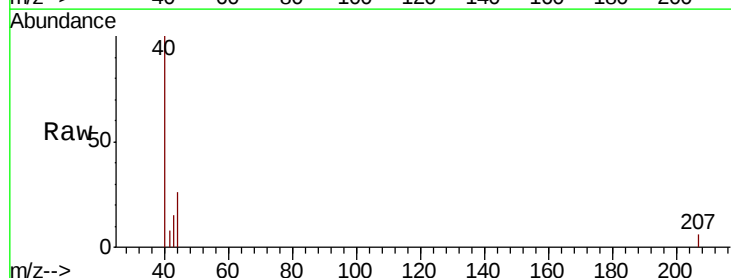
Acq: 13 Apr 2020 18:41

Tgt Ion: 43 Resp: 742

Ion Ratio Lower Upper

43 100

58 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

400

300

200

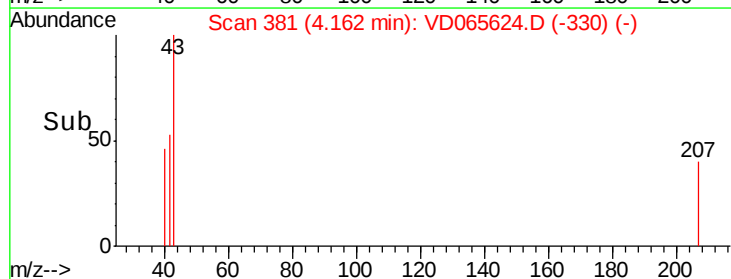
100

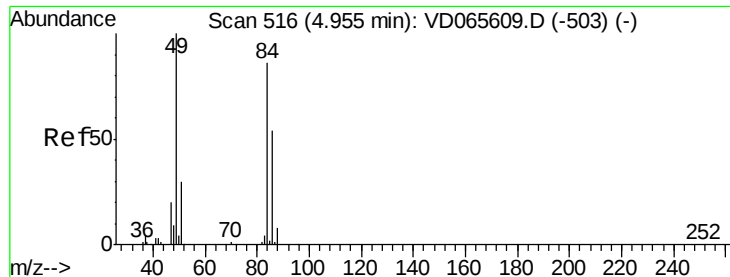
0

4.16

4.12 4.14 4.16 4.18

Time-->

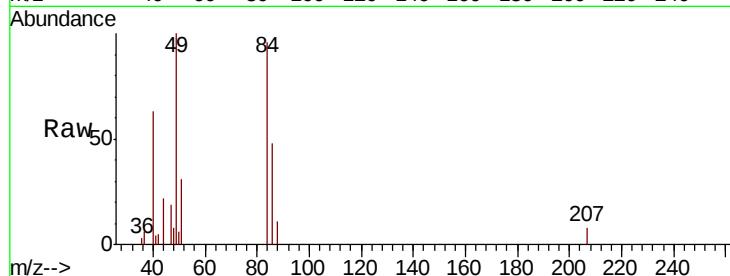




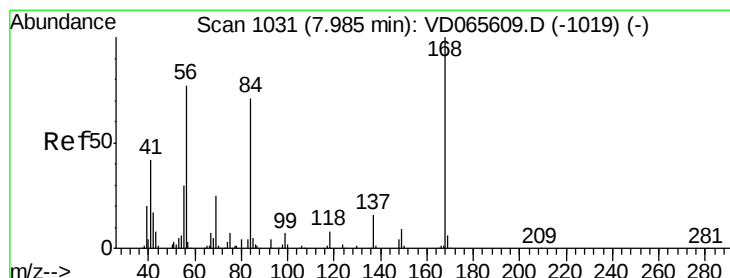
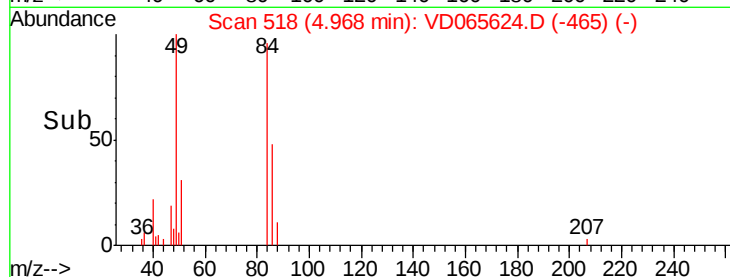
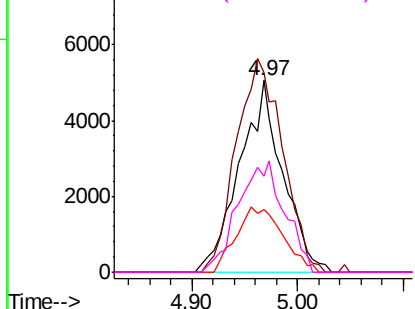
#20
Methvlene Chloride
Concen: 3.199 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065624.D
Acq: 13 Apr 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-066

Tot Ion:	84	Resp:	14376
Ion	Ratio	Lower	Upper
84	100		
49	104.4	93.4	140.2
51	32.8	28.5	42.7
86	50.3	50.2	75.4

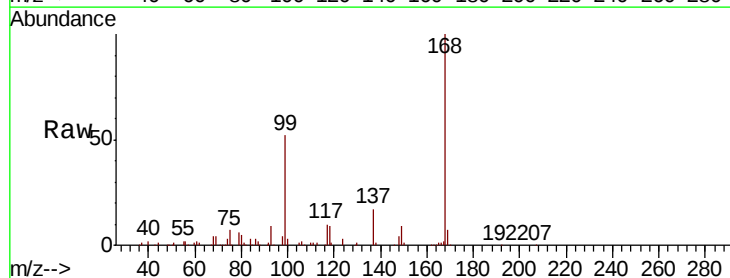


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

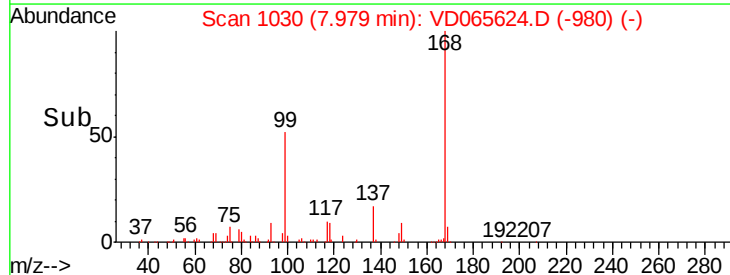
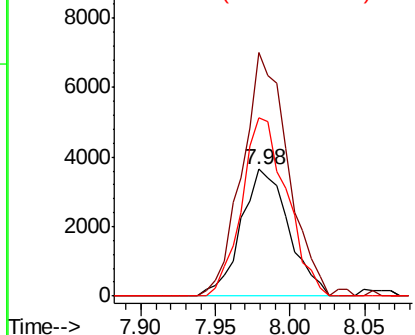


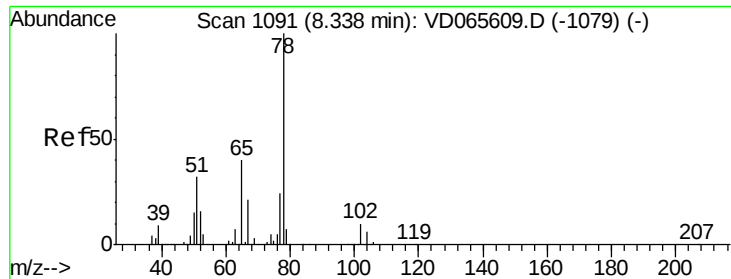
#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065624.D
Acq: 13 Apr 2020 18:41

Tgt Ion:	56	Resp:	8037
Ion	Ratio	Lower	Upper
56	100		
69	192.4	26.2	39.4#
84	140.5	73.7	110.5#



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

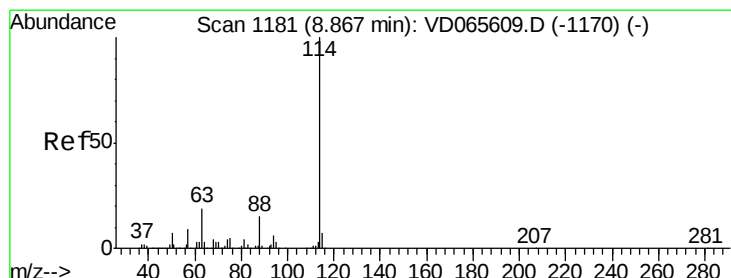
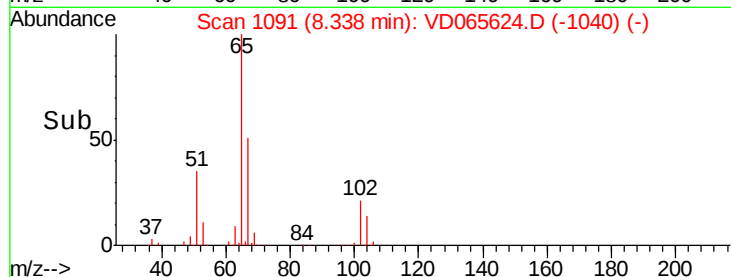
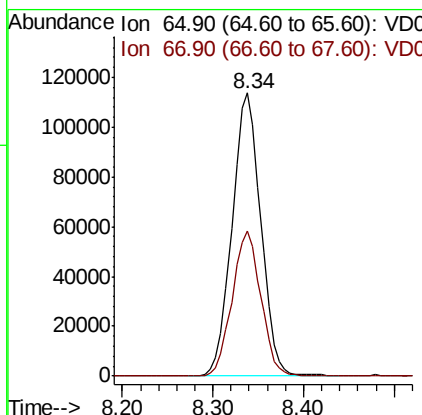
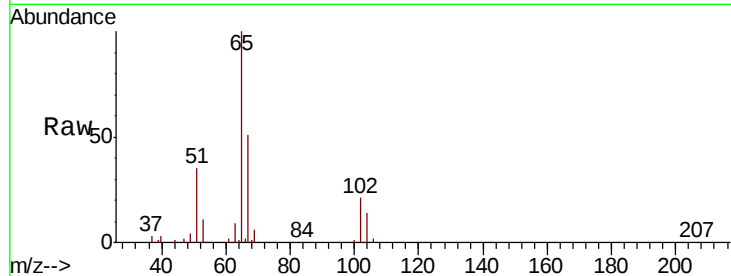




#33
 1,2-Dichloroethane-d4
 Concen: 66.741 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065624.D
 Acq: 13 Apr 2020 18:41

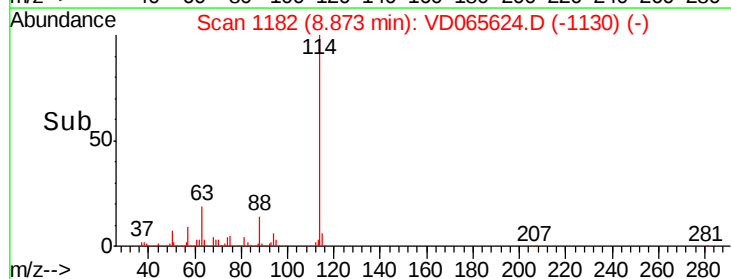
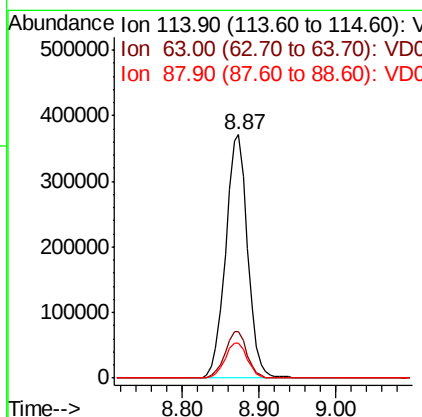
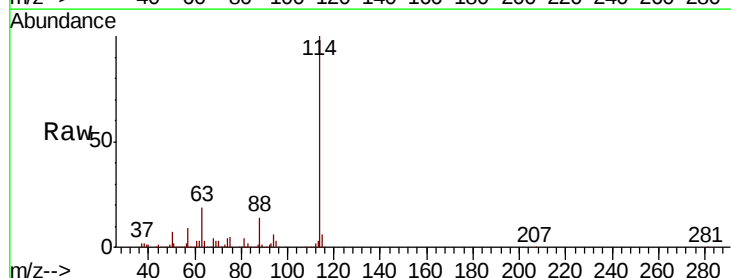
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-066

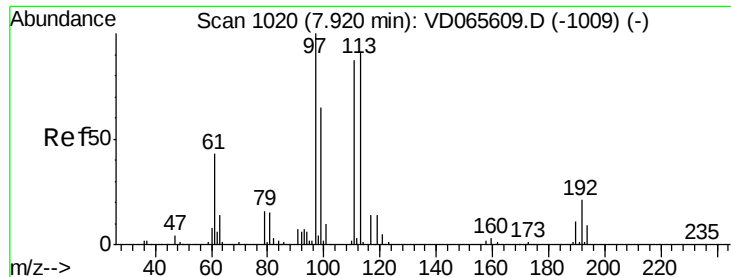
Tot Ion: 65 Resp: 251267
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065624.D
 Acq: 13 Apr 2020 18:41

Tgt Ion: 114 Resp: 737986
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.2
 88 14.3 0.0 29.6

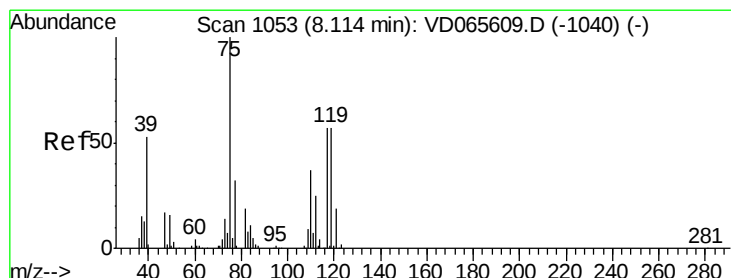
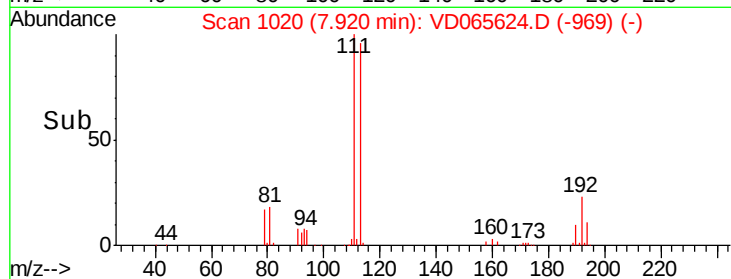
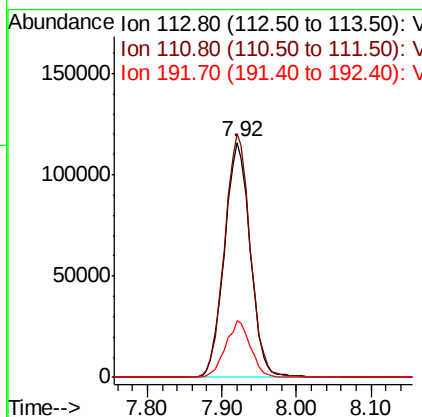
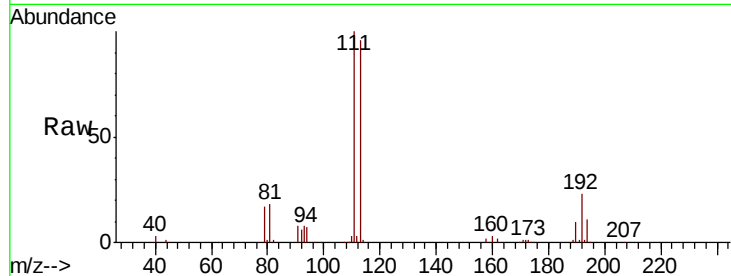




#35
 Dibromofluoromethane
 Concen: 54.222 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065624.D
 Acq: 13 Apr 2020 18:41

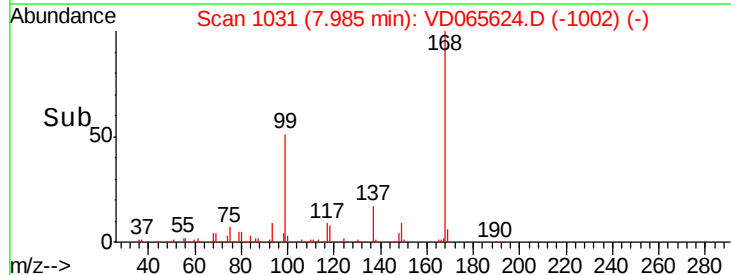
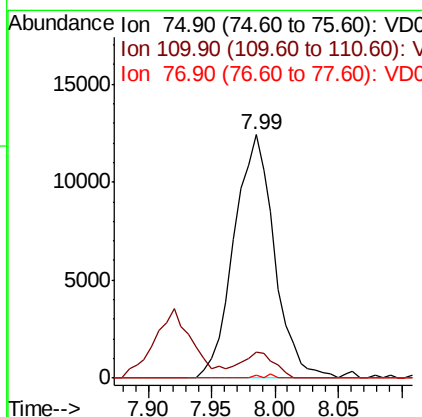
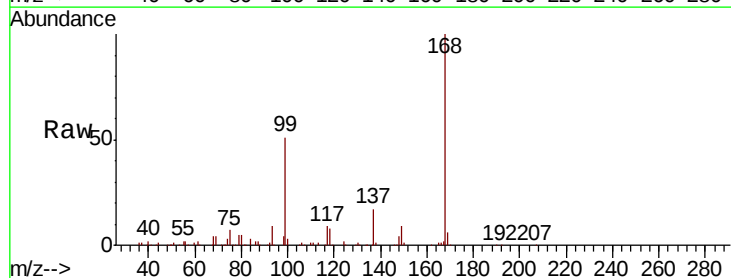
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-066

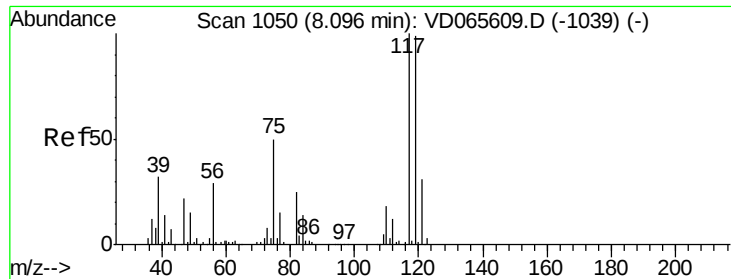
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	120.8
192	23.2	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 3.603 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065624.D
 Acq: 13 Apr 2020 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.2	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 4.462 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-066

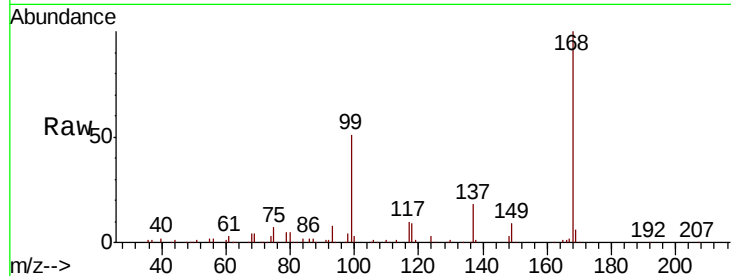
Tot Ion:117 Resp: 36811

Ion Ratio Lower Upper

117 100

119 5.6 78.9 118.3#

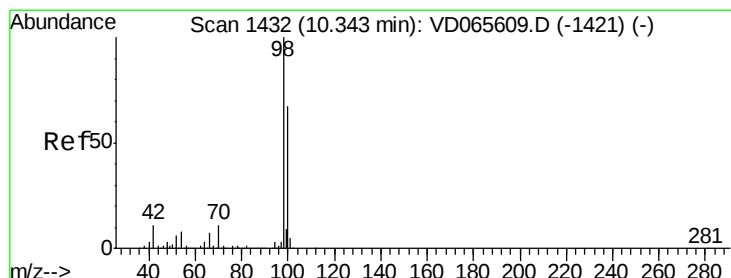
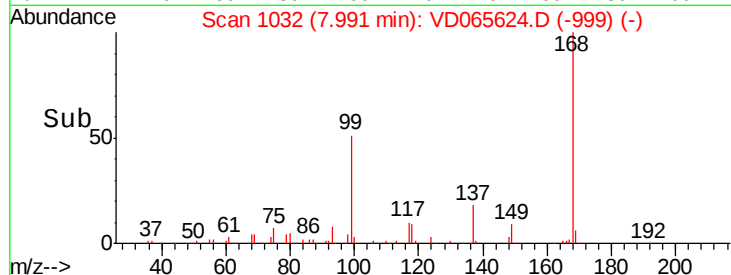
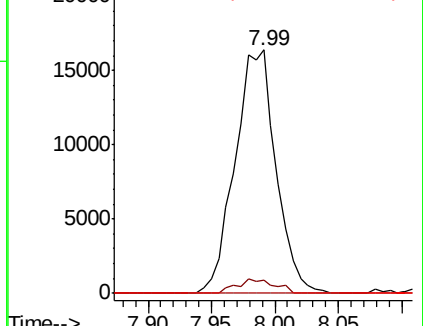
121 0.0 24.6 37.0#



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: 51.890 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065624.D

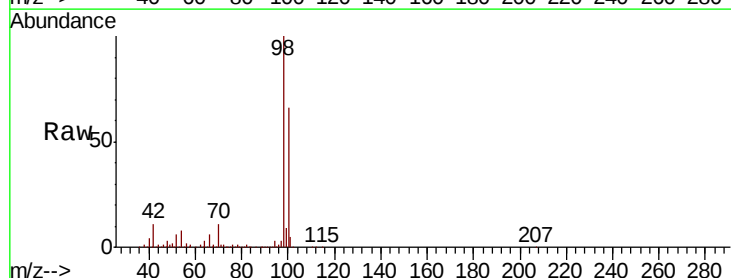
Acq: 13 Apr 2020 18:41

Tgt Ion: 98 Resp: 976955

Ion Ratio Lower Upper

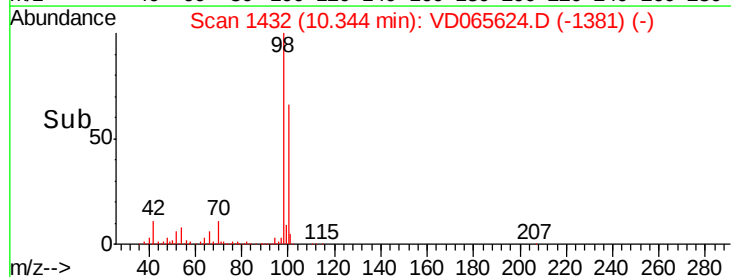
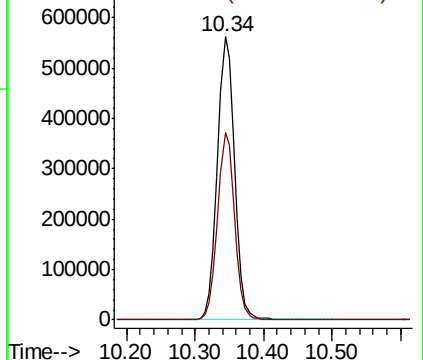
98 100

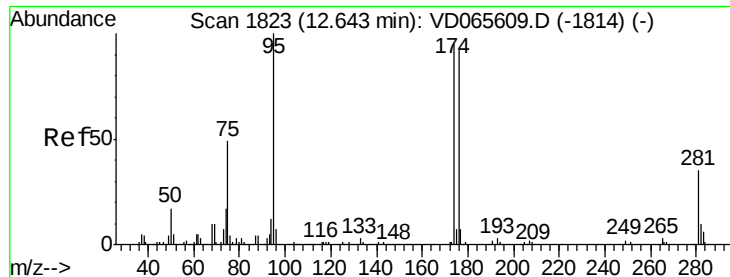
100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

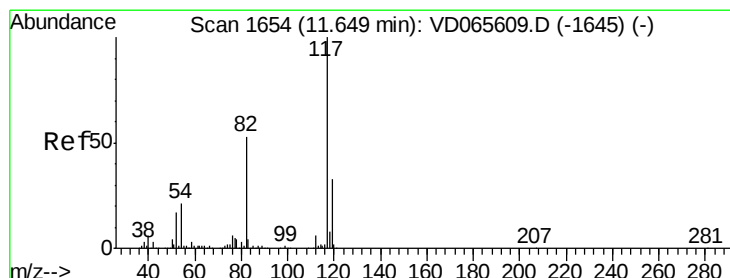
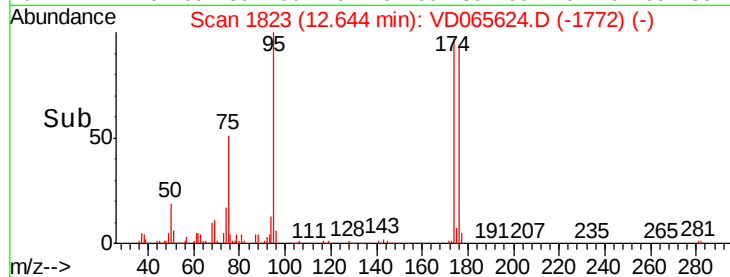
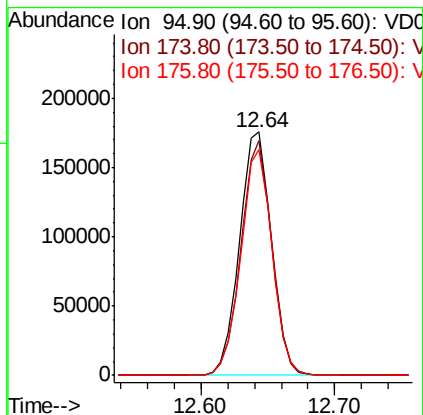
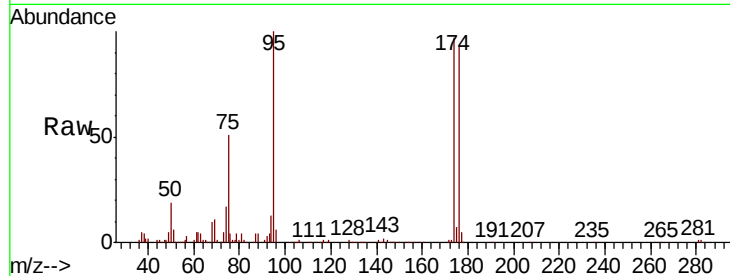




#62
4-Bromofluorobenzene
Concen: 47.761 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VD065624.D
Acq: 13 Apr 2020 18:41

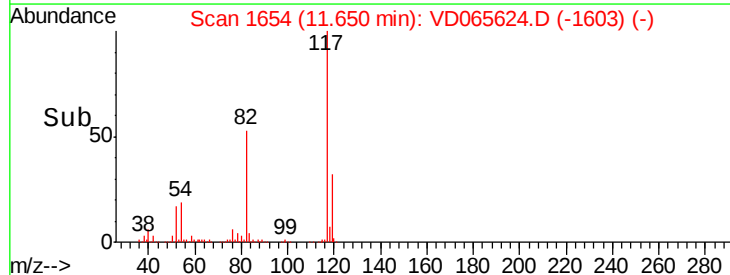
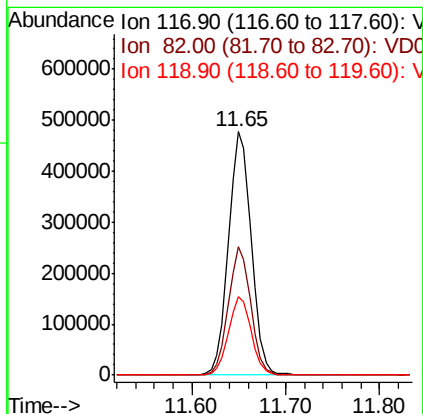
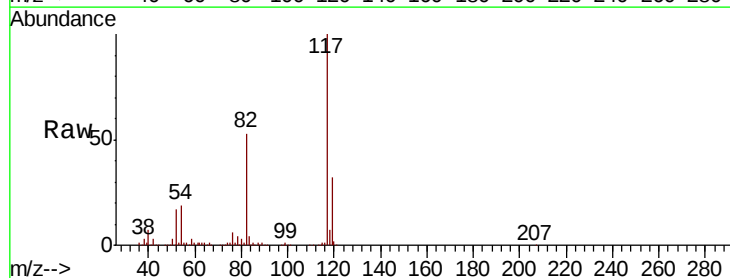
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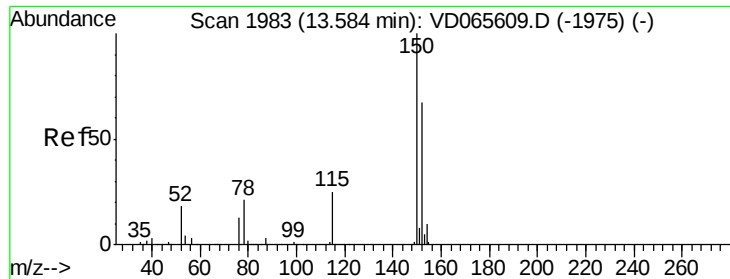
Tot Ion: 95 Resp: 288956
Ion Ratio Lower Upper
95 100
174 93.4 0.0 182.8
176 90.6 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065624.D
Acq: 13 Apr 2020 18:41

Tgt Ion: 117 Resp: 803229
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.2 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-066

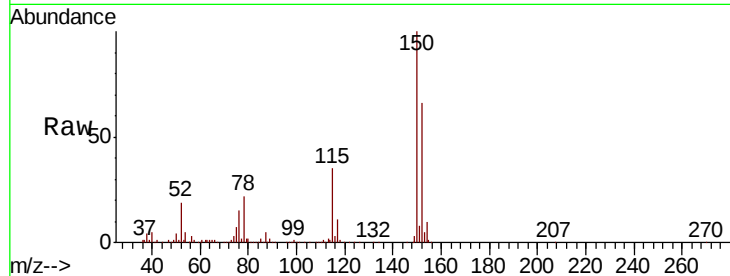
Tot Ion:152 Resp: 357218

Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

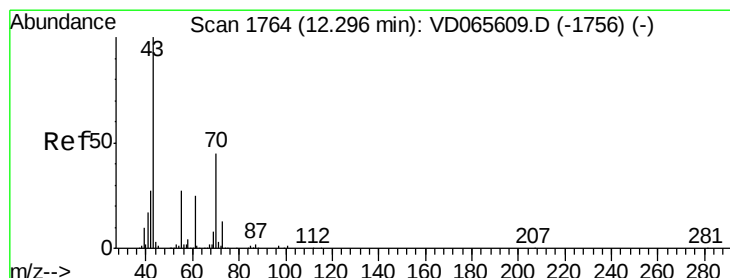
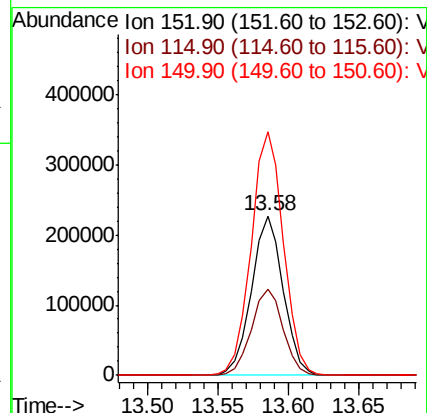
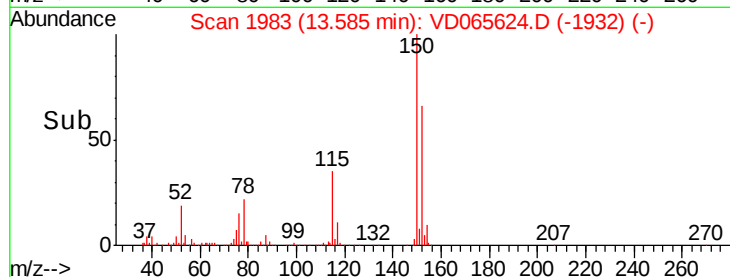
150 155.9 0.0 348.2



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



#74

N-ethyl acetate

Concen: 2.957 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

Tgt Ion: 43 Resp: 131

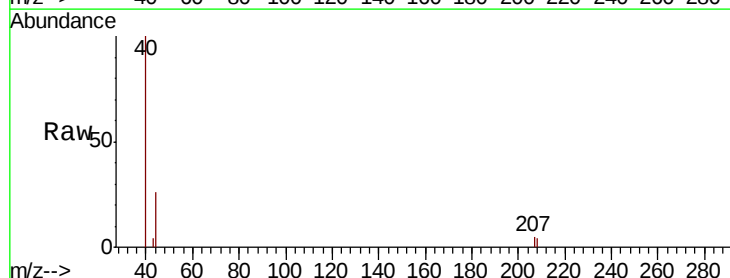
Ion Ratio Lower Upper

43 100

70 49.6 35.2 52.8

55 0.0 22.5 33.7#

61 0.0 19.4 29.0#

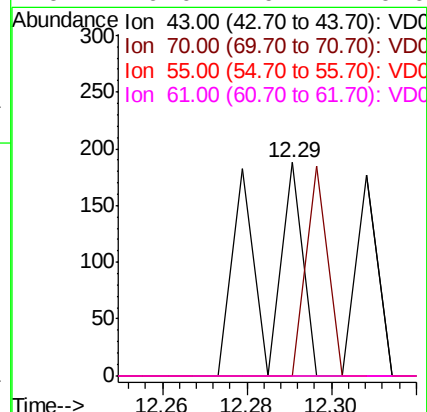
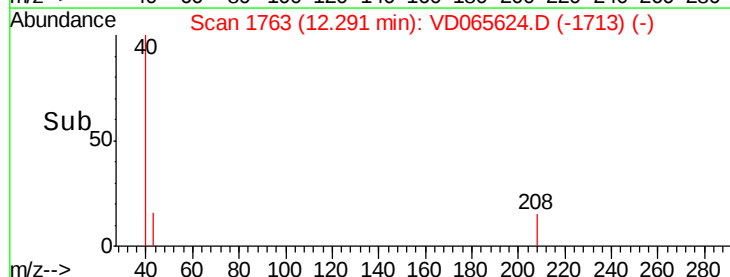


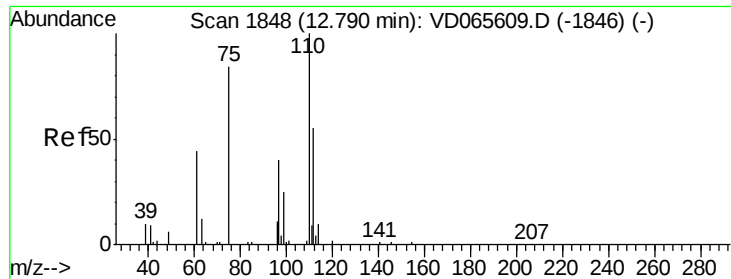
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 51.363 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

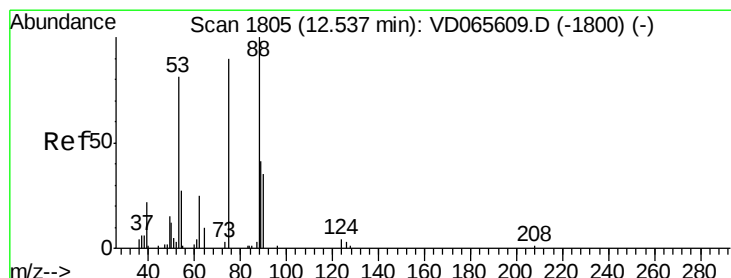
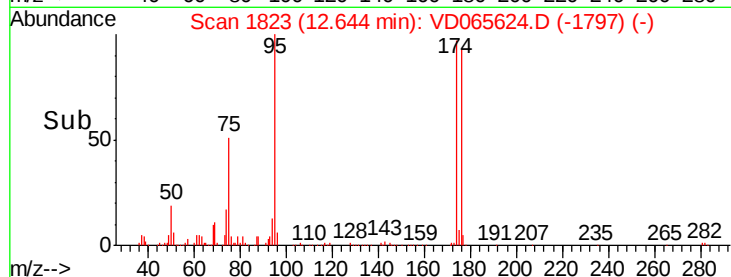
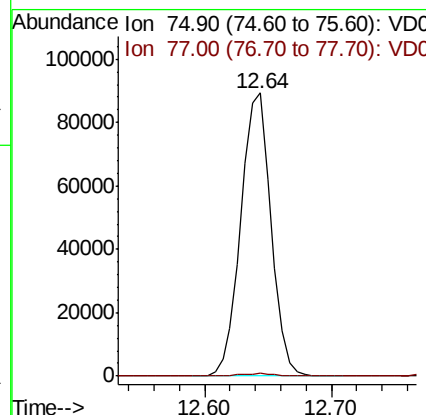
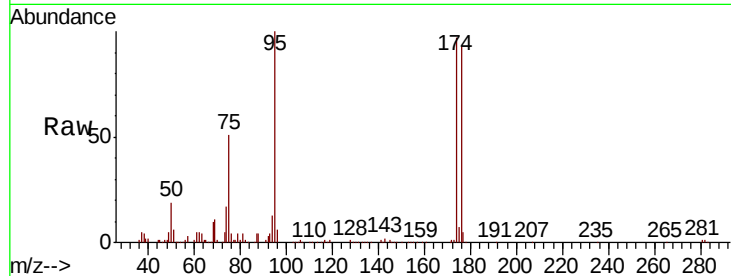
FK-PS-01-066

Tot Ion: 75 Resp: 147154

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.976 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

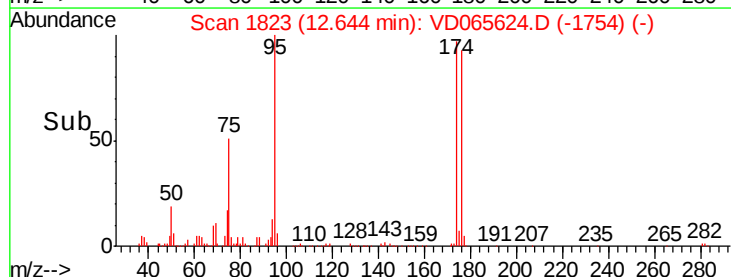
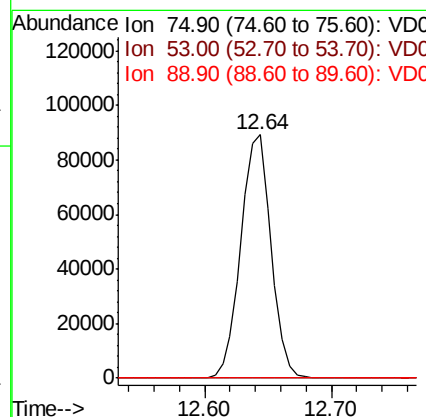
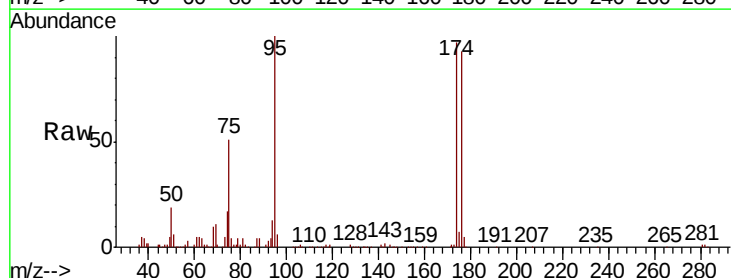
Tgt Ion: 75 Resp: 147154

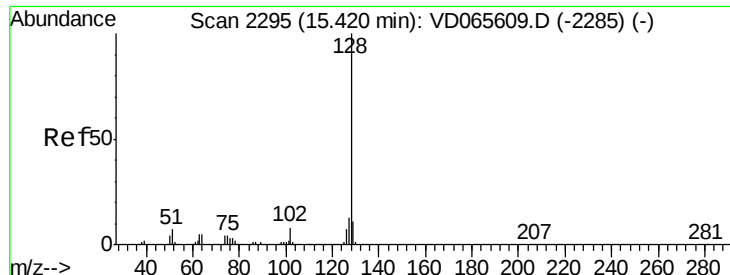
Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.8#

89 0.1 36.1 54.1#





#95

Naphthalene

Concen: 4.084 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065624.D

Acq: 13 Apr 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-066

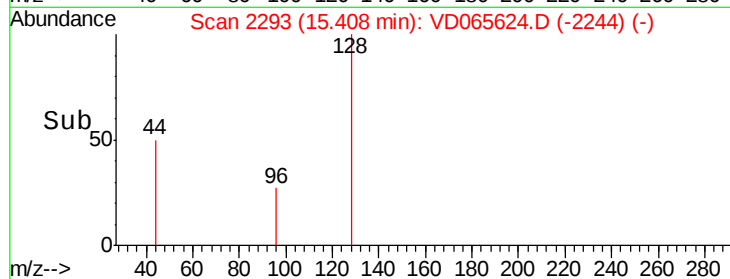
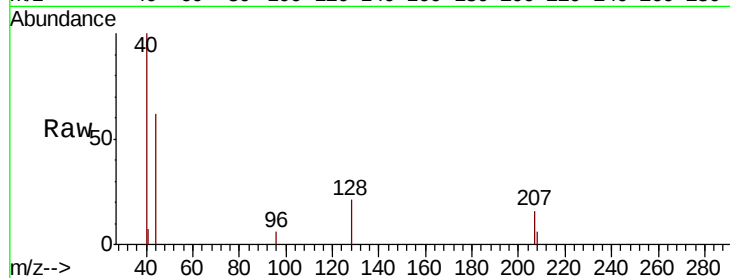
Tot Ion:128 Resp: 1180

Ion Ratio Lower Upper

128 100

127 4.6 10.6 15.8#

129 0.0 8.4 12.6#



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

15.41

800

600

400

200

0

Time-->