

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064553.D
 Acq On : 17 Dec 2019 19:00
 Operator : VA/SY
 Sample : K6357-10
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PF-E

Quant Time: Dec 18 00:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	119876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	182831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	192592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	103949	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	67611	62.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.62%	
35) Dibromofluoromethane	7.92	113	60368	52.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.82%	
50) Toluene-d8	10.34	98	222513	51.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.64	95	86330	61.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.82%	

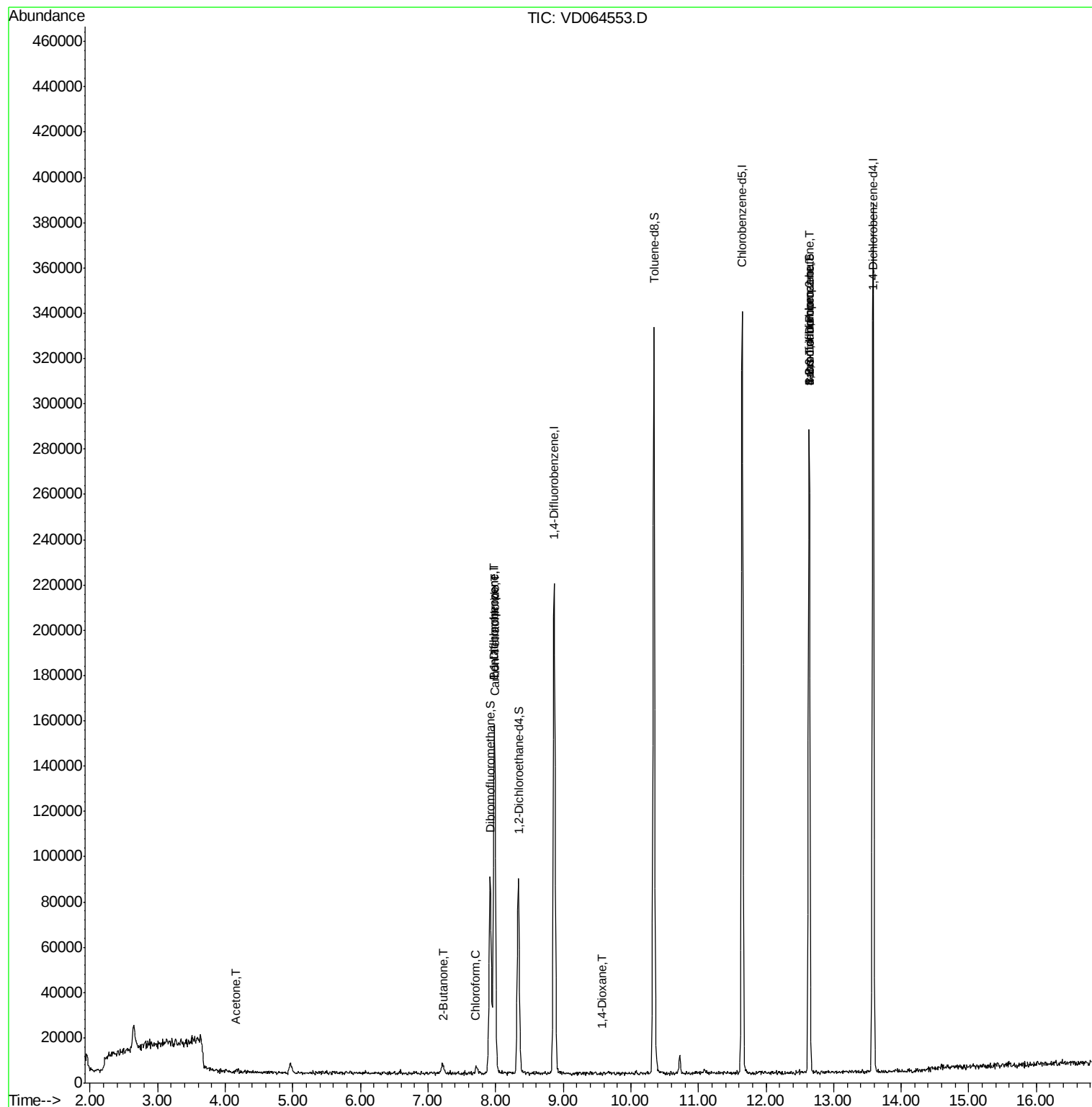
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	987	4.501	ug/l #	89
20) Methylene Chloride	4.96	84	3131	Below Cal	#	80
25) 2-Butanone	7.23	43	554	1.787	ug/l #	49
30) Chloroform	7.71	83	3043	1.468	ug/l #	76
31) Cyclohexane	7.98	56	2952	Below Cal	#	50
36) 1,1-Dichloropropene	7.98	75	9014	5.212	ug/l #	50
38) Carbon Tetrachloride	7.99	117	11582	6.346	ug/l #	17
49) 1,4-Dioxane	9.56	88	80	9.993	ug/l #	25
71) Bromoform	12.63	173	1064	1.196	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	45300	52.992	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	45300	115.551	ug/l #	9

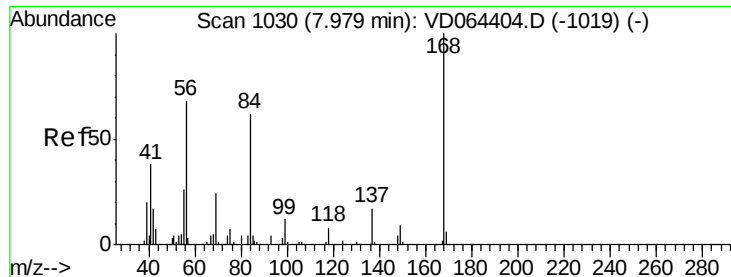
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
Data File : VD064553.D
Acq On : 17 Dec 2019 19:00
Operator : VA/SY
Sample : K6357-10
Misc : 5.14G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
PF-E

Quant Time: Dec 18 00:49:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064553.D

Acq: 17 Dec 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

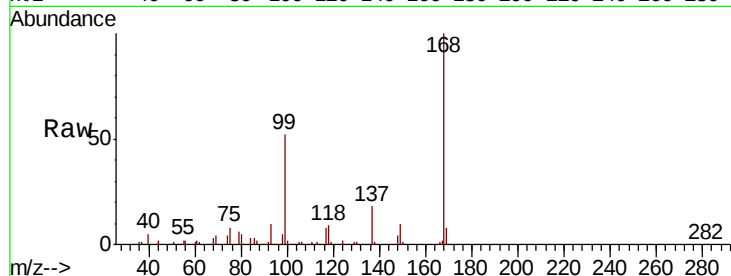
PF-E

Tgt Ion:168 Resp: 119876

Ion Ratio Lower Upper

168 100

99 51.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

50000

40000

30000

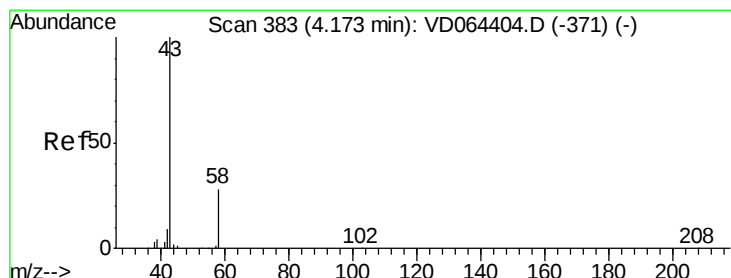
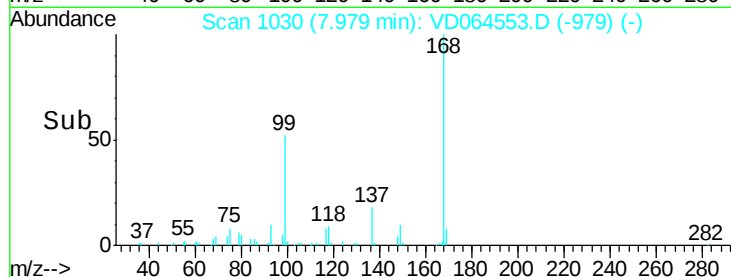
20000

10000

0

Time-->

7.90 7.95 8.00 8.05



#16

Acetone

Concen: 4.501 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064553.D

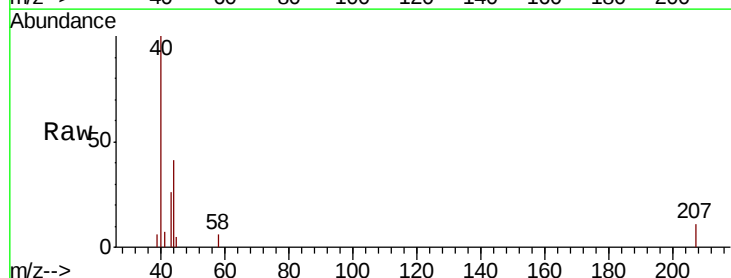
Acq: 17 Dec 2019 19:00

Tgt Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

58 22.5 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1000

800

600

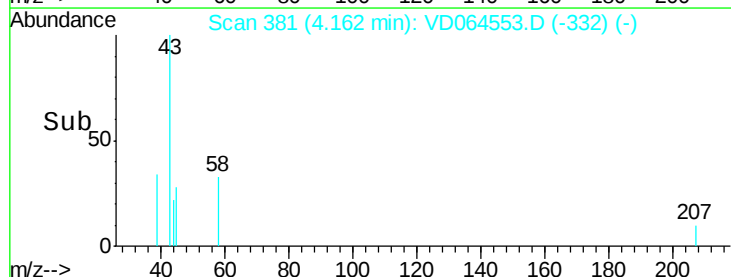
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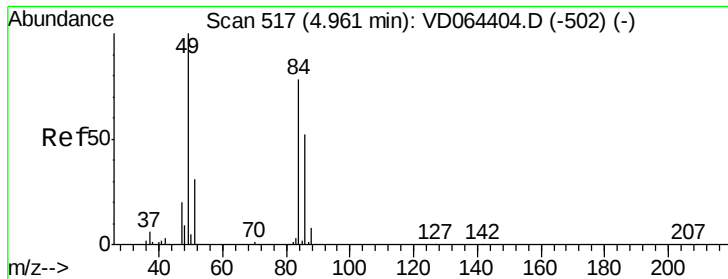
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0

Time-->

4.12 4.14 4.16 4.18

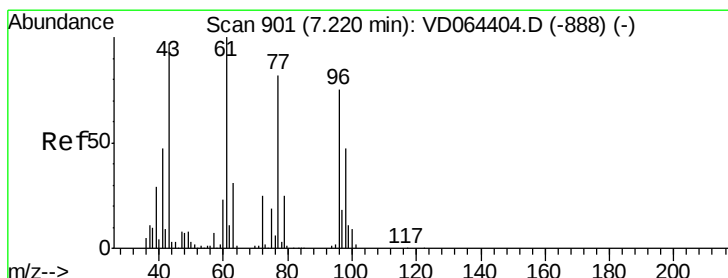
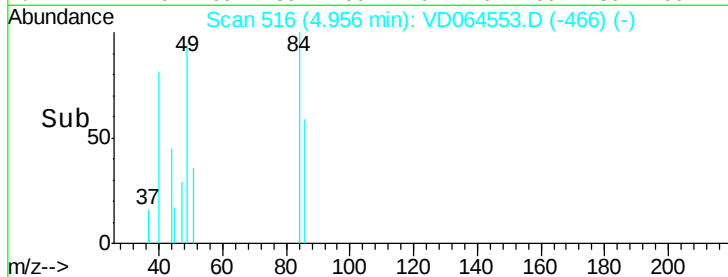
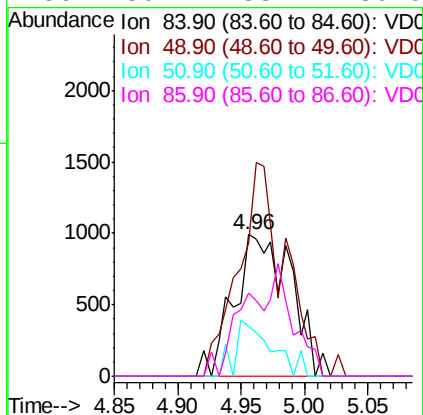
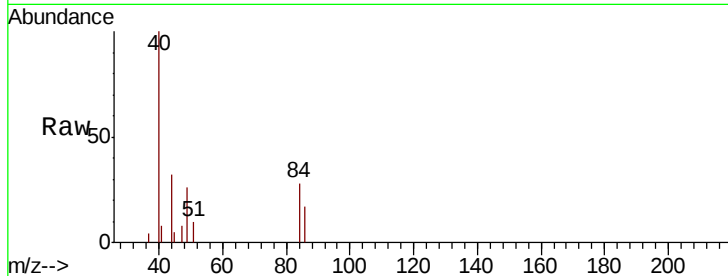




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

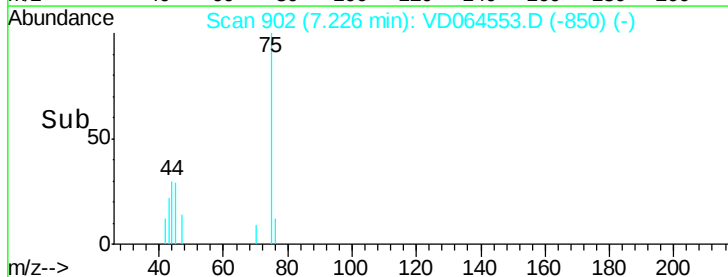
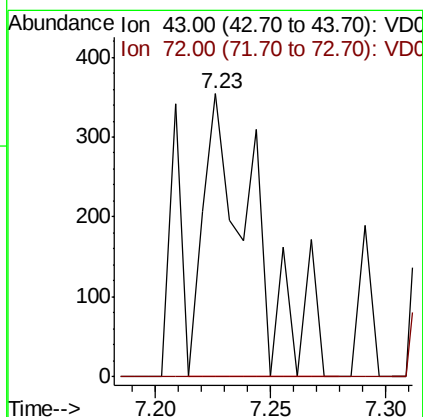
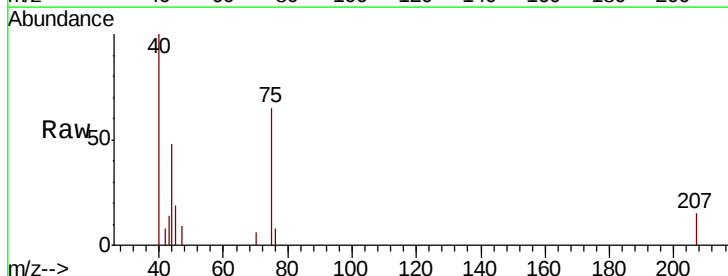
Instrument :
MSVOA_D
ClientSampleId :
PF-E

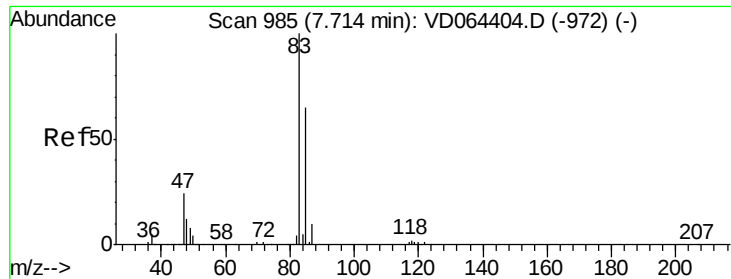
Tgt Ion: 84 Resp: 3131
Ion Ratio Lower Upper
84 100
49 94.1 102.6 153.8#
51 35.6 32.0 48.0
86 59.1 53.4 80.0



#25
2-Butanone
Concen: 1.787 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

Tgt Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

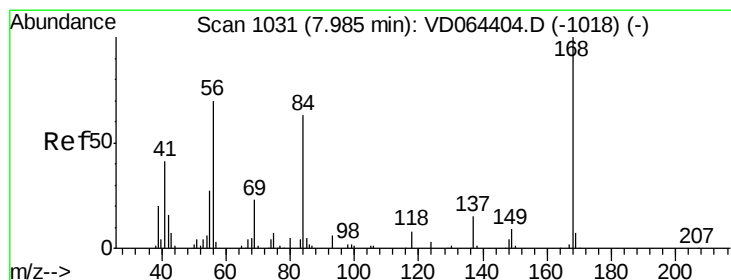
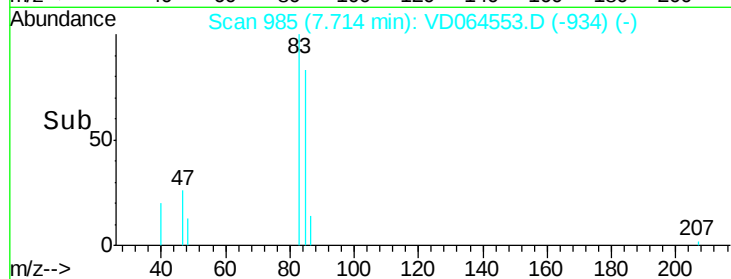
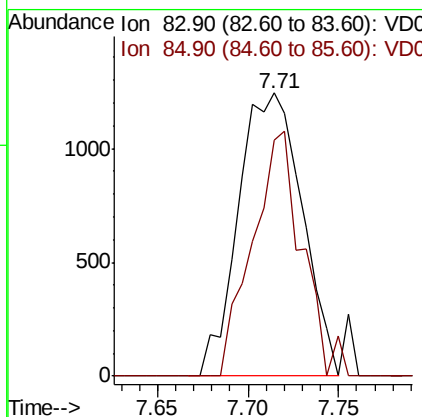
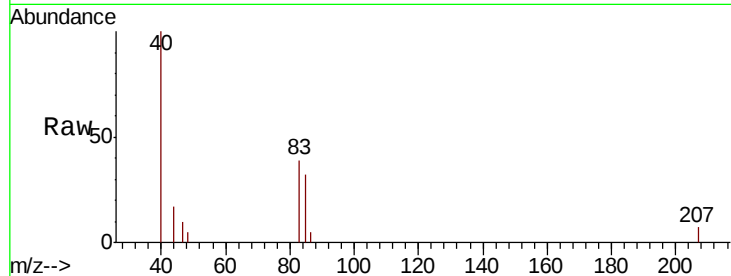




#30
Chloroform
Concen: 1.468 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

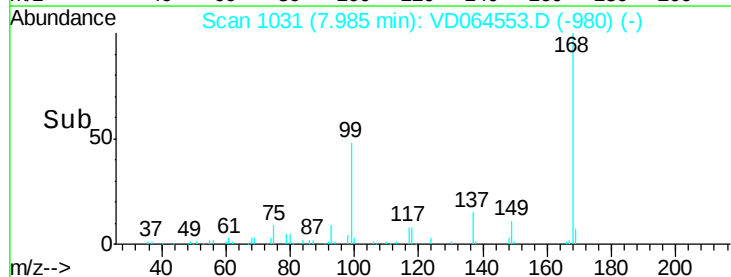
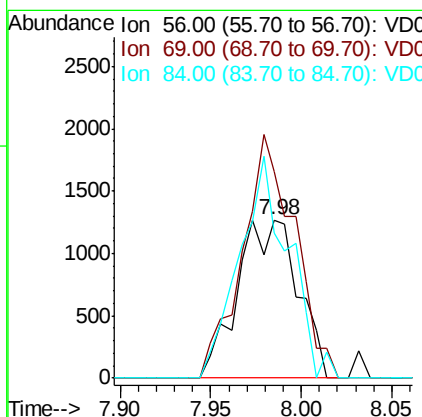
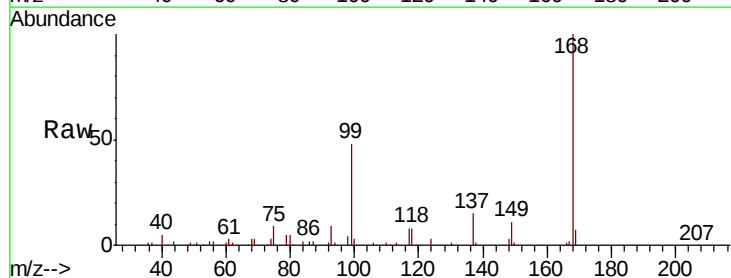
Instrument :
MSVOA_D
ClientSampled :
PF-E

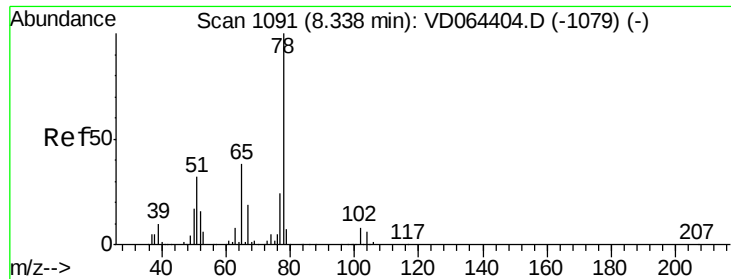
Tgt Ion: 83 Resp: 3043
Ion Ratio Lower Upper
83 100
85 83.4 51.8 77.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

Tgt Ion: 56 Resp: 2952
Ion Ratio Lower Upper
56 100
69 130.3 26.2 39.4#
84 91.9 70.3 105.5

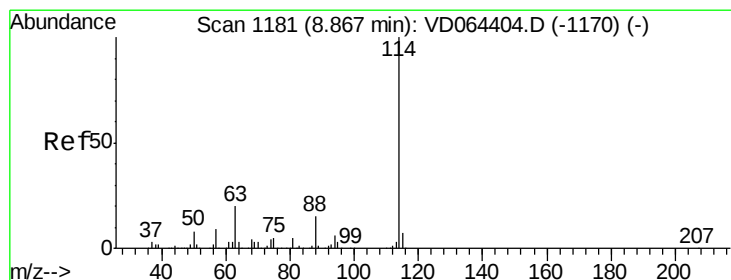
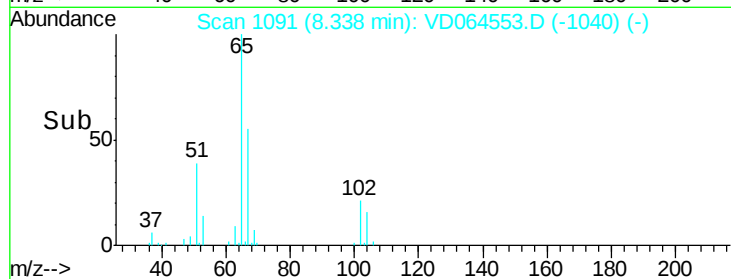
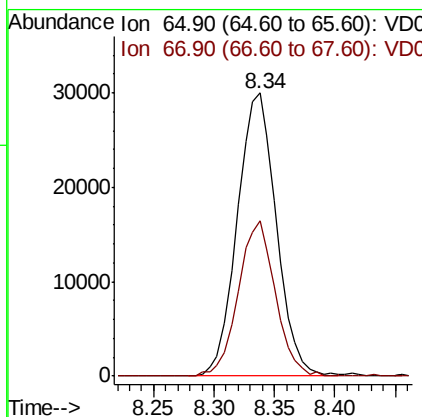
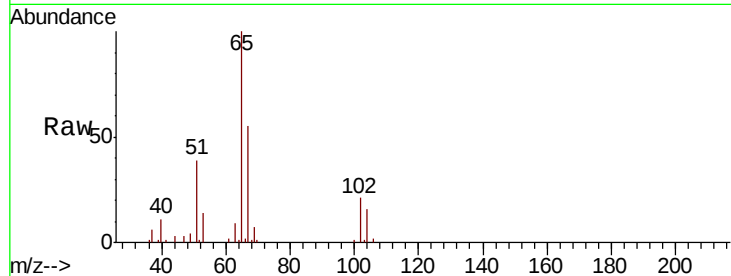




#33
 1,2-Dichloroethane-d4
 Concen: 62.311 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064553.D
 Acq: 17 Dec 2019 19:00

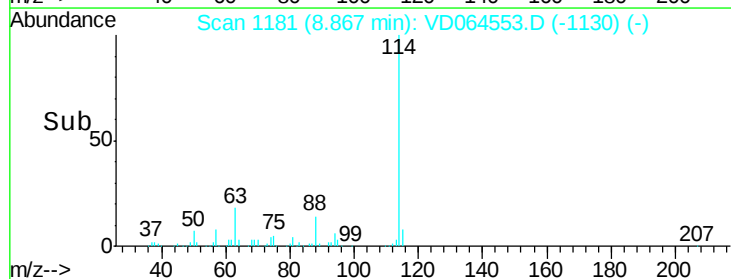
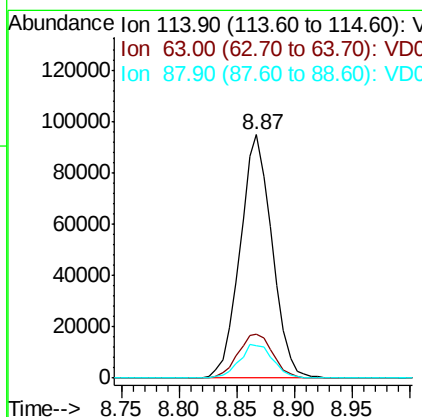
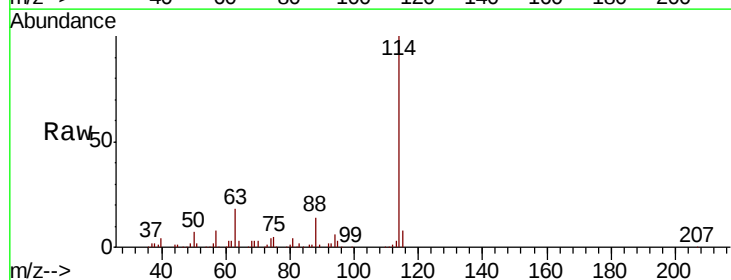
Instrument :
 MSVOA_D
 ClientSampleId :
 PF-E

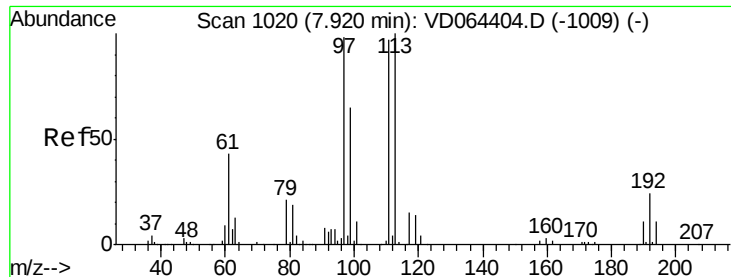
Tgt Ion: 65 Resp: 67611
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064553.D
 Acq: 17 Dec 2019 19:00

Tgt Ion: 114 Resp: 182831
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 40.0
 88 13.6 0.0 29.2

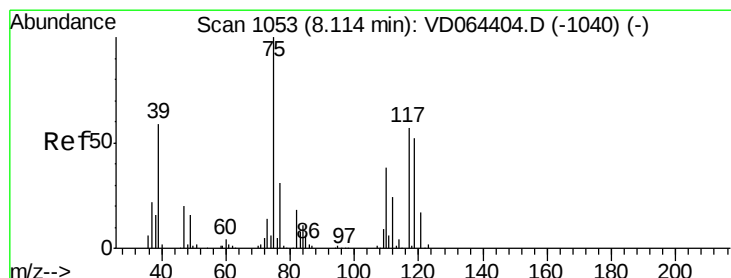
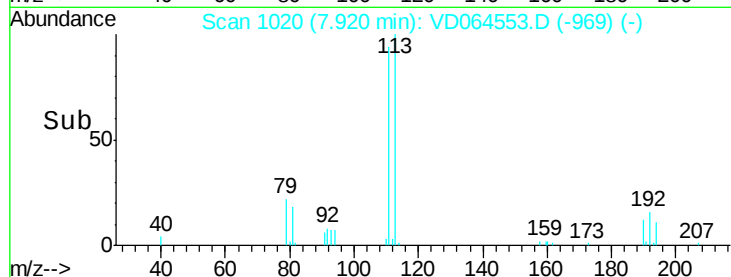
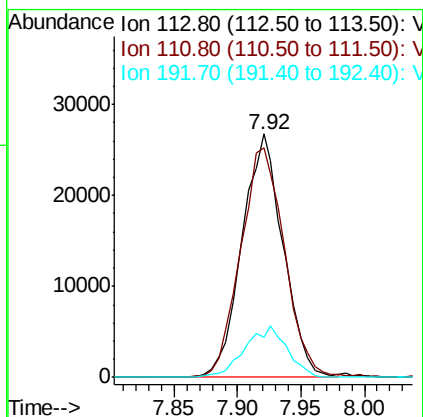
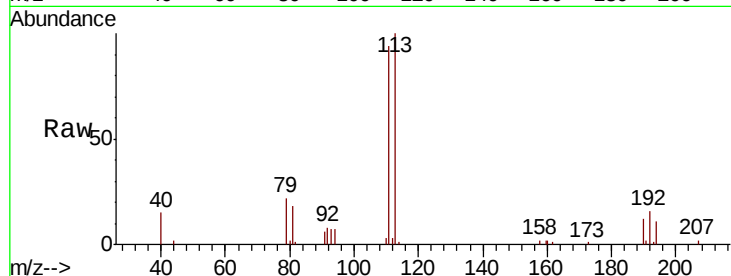




#35
 Dibromofluoromethane
 Concen: 52.406 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064553.D
 Acq: 17 Dec 2019 19:00

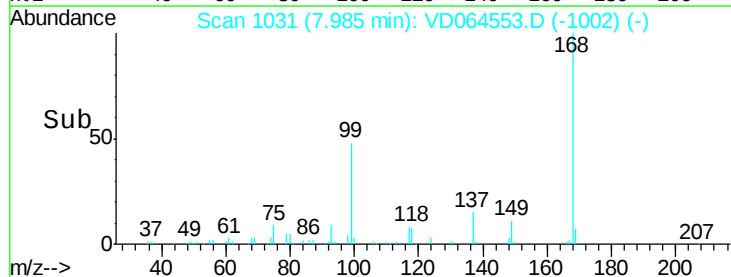
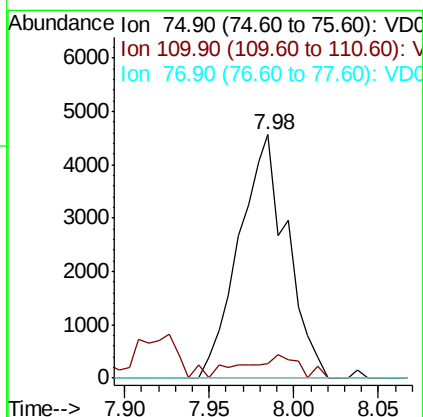
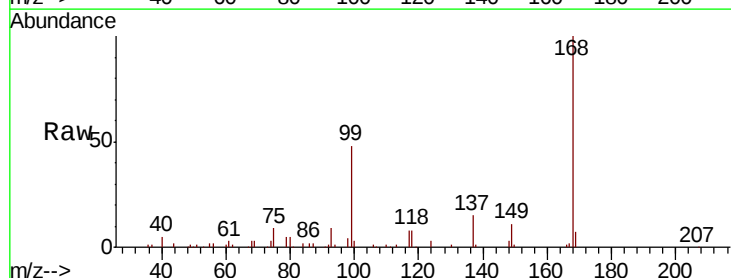
Instrument :
 MSVOA_D
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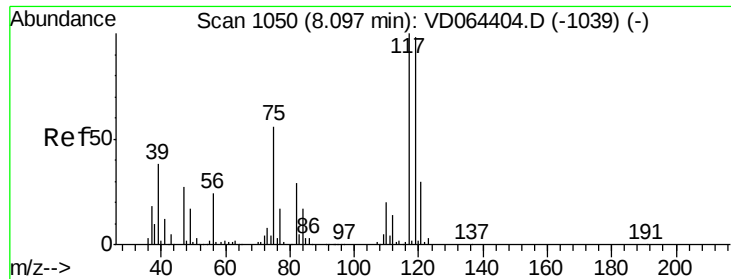
Tgt Ion: 113 Resp: 60368
 Ion Ratio Lower Upper
 113 100
 111 101.3 79.4 119.2
 192 21.6 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 5.212 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064553.D
 Acq: 17 Dec 2019 19:00

Tgt Ion: 75 Resp: 9014
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.6 55.8#
 77 0.0 25.0 37.4#

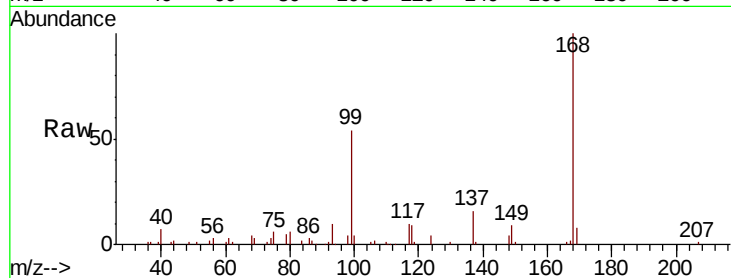




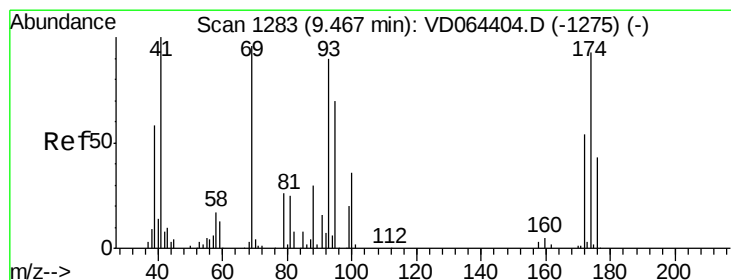
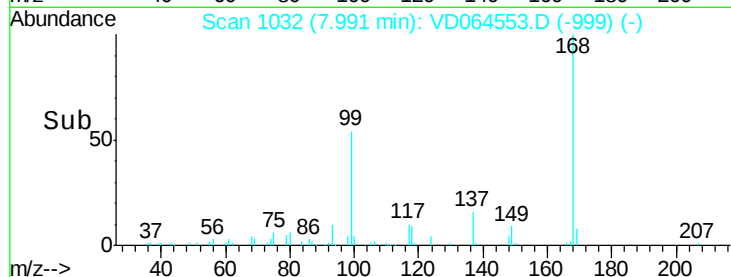
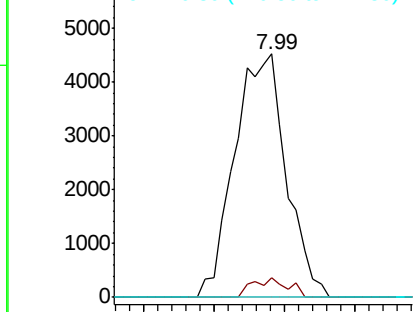
#38
Carbon Tetrachloride
Concen: 6.346 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

Instrument :
MSVOA_D
ClientSampleId :
PF-E

Tgt Ion: 117 Resp: 11582
Ion Ratio Lower Upper
117 100
119 8.0 78.8 118.2#
121 0.0 24.2 36.2#

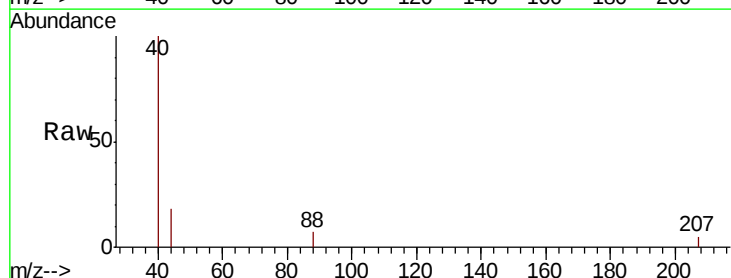


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

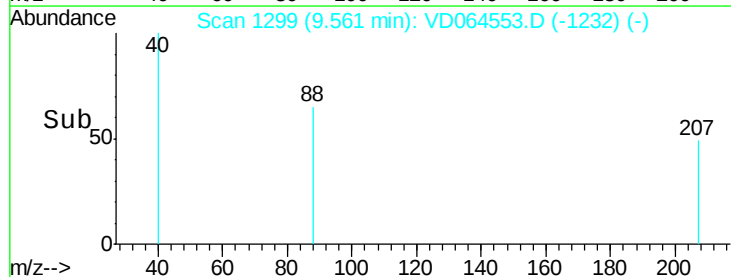
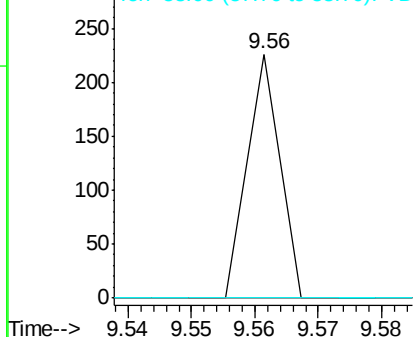


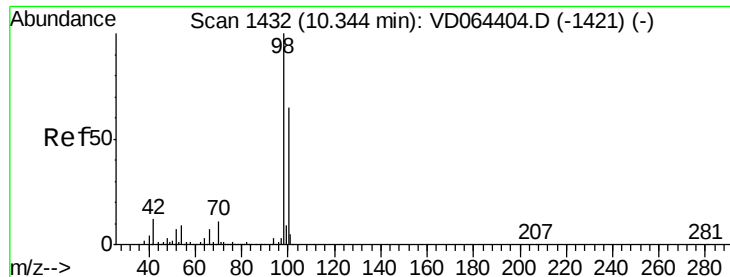
#49
1,4-Dioxane
Concen: 9.993 ug/l
RT: 9.56 min Scan# 1299
Delta R.T. 0.09 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 26.7 40.1#
58 0.0 52.3 78.5#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 51.280 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064553.D

Acq: 17 Dec 2019 19:00

Instrument :

MSVOA_D

ClientSampled :

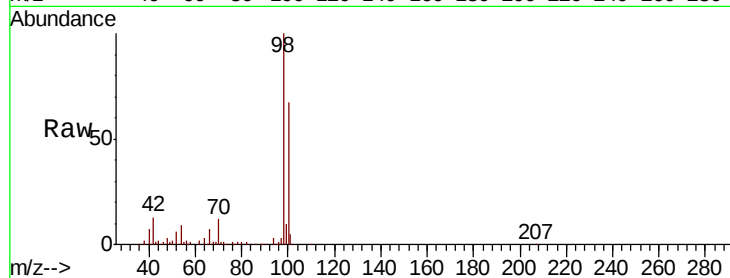
PF-E

Tgt Ion: 98 Resp: 222513

Ion Ratio Lower Upper

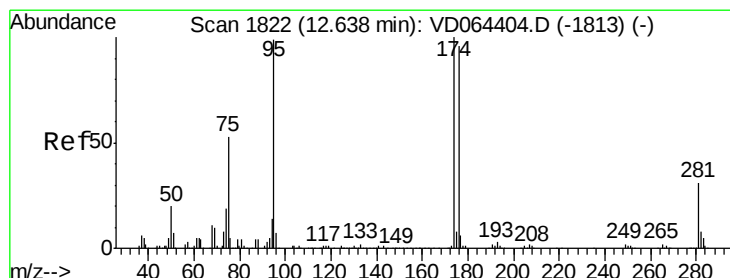
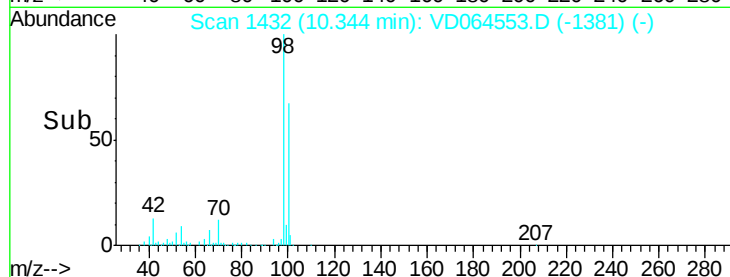
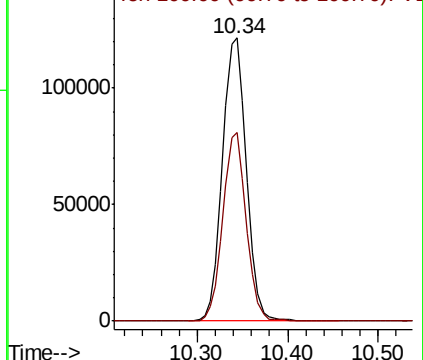
98 100

100 65.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 61.908 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064553.D

Acq: 17 Dec 2019 19:00

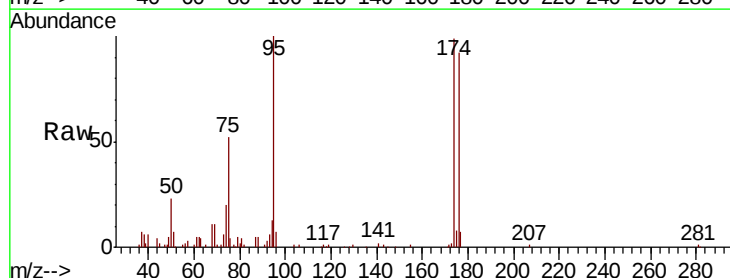
Tgt Ion: 95 Resp: 86330

Ion Ratio Lower Upper

95 100

174 96.7 0.0 197.2

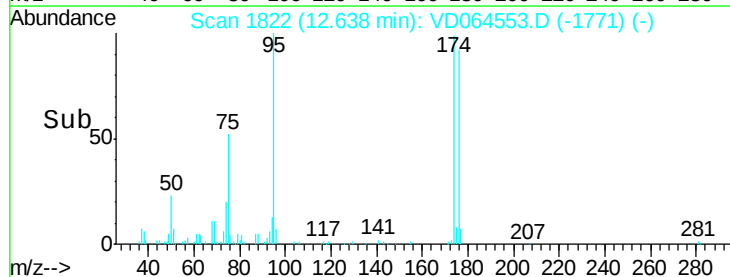
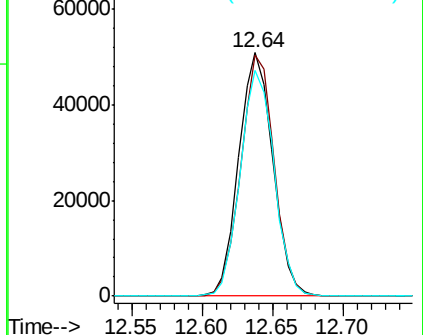
176 91.9 0.0 189.6

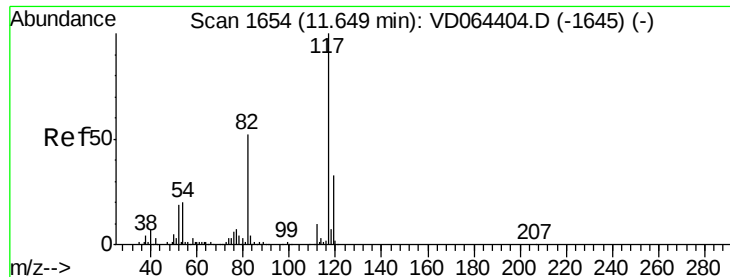


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

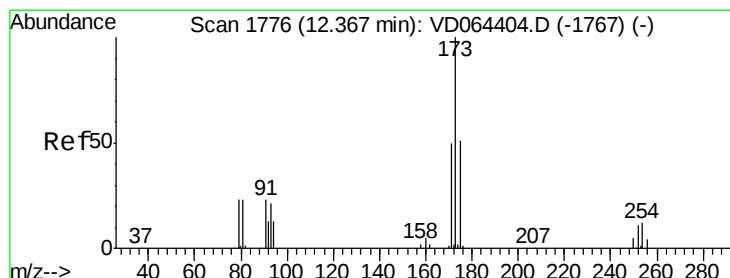
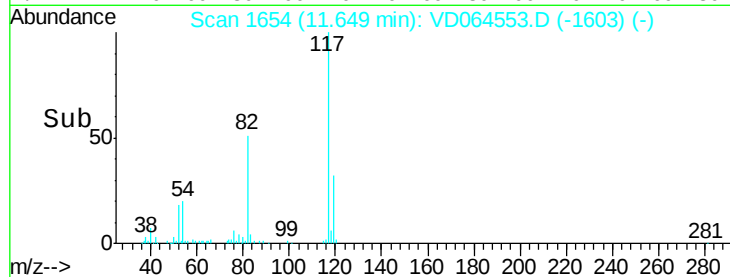
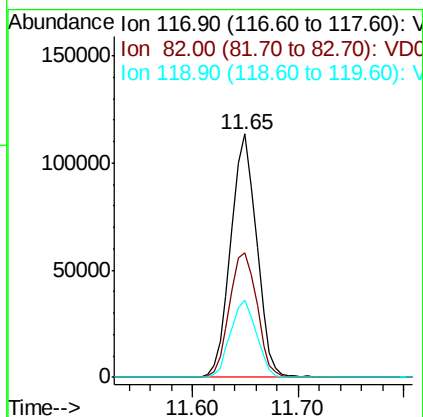
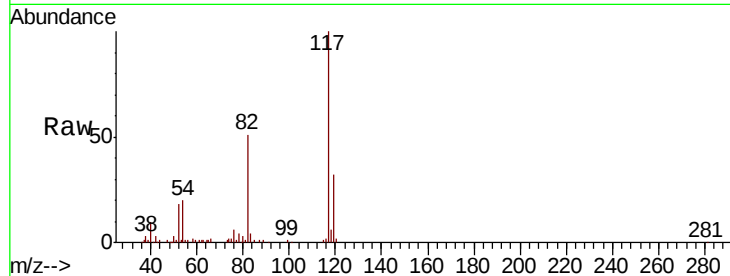




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

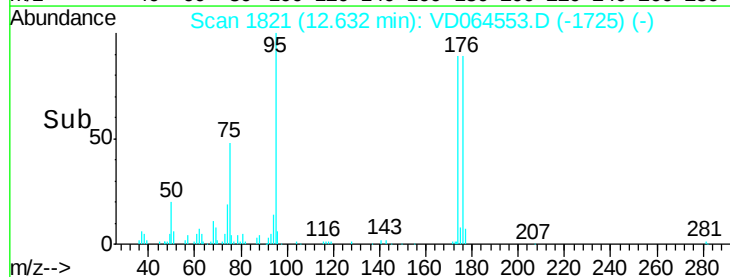
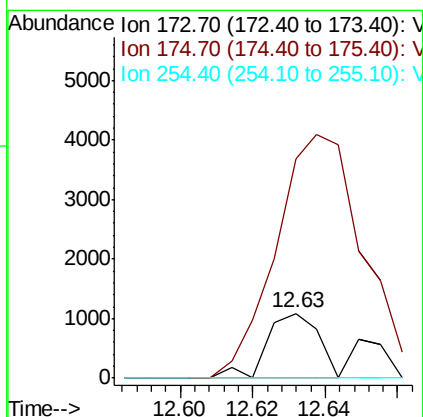
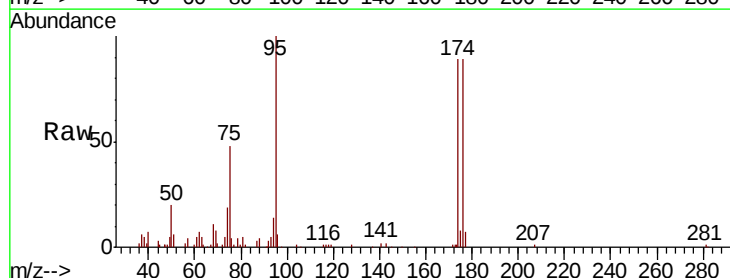
Instrument :
MSVOA_D
ClientSampleId :
PF-E

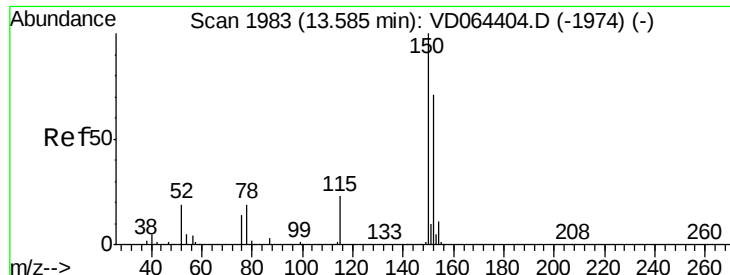
Tgt Ion:117 Resp: 192592
Ion Ratio Lower Upper
117 100
82 51.0 41.4 62.2
119 31.9 26.2 39.2



#71
Bromoform
Concen: 1.196 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD064553.D
Acq: 17 Dec 2019 19:00

Tgt Ion:173 Resp: 1064
Ion Ratio Lower Upper
173 100
175 496.9 25.3 75.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064553.D

Acq: 17 Dec 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

PF-E

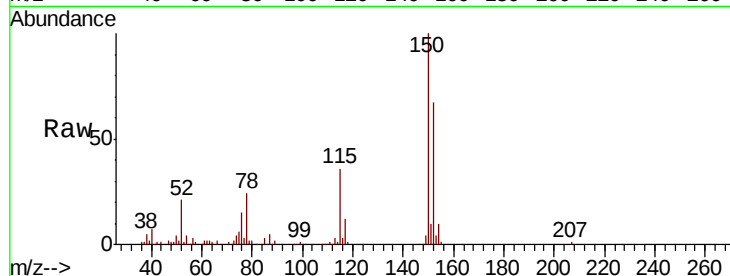
Tgt Ion: 152 Resp: 103949

Ion Ratio Lower Upper

152 100

115 54.8 26.7 80.1

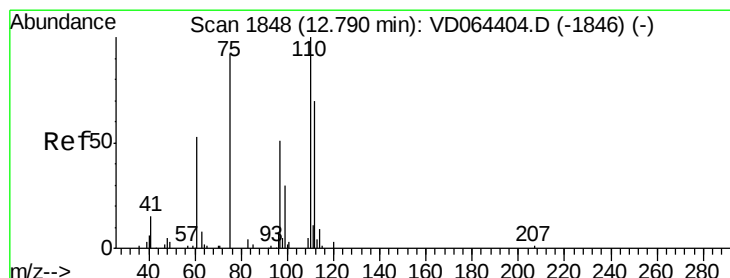
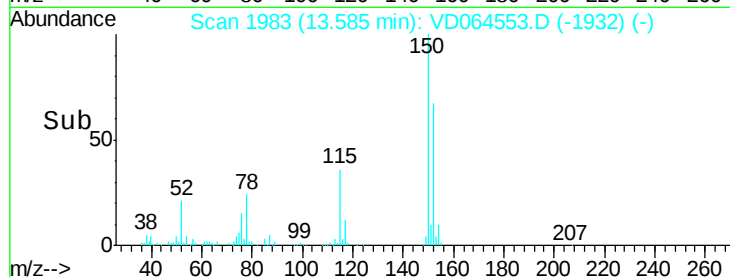
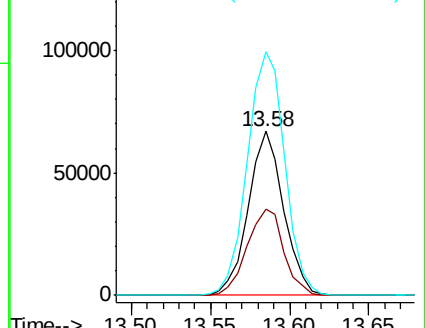
150 157.3 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 52.992 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064553.D

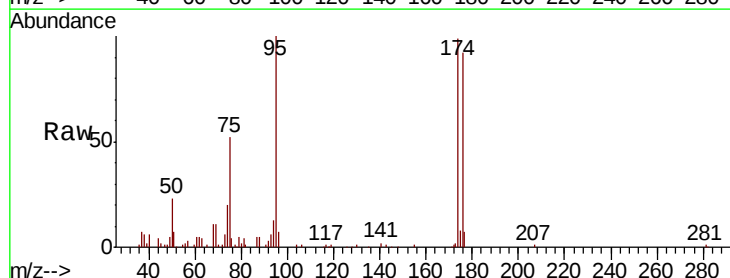
Acq: 17 Dec 2019 19:00

Tgt Ion: 75 Resp: 45300

Ion Ratio Lower Upper

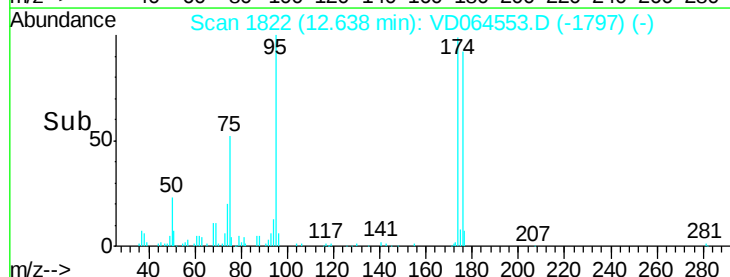
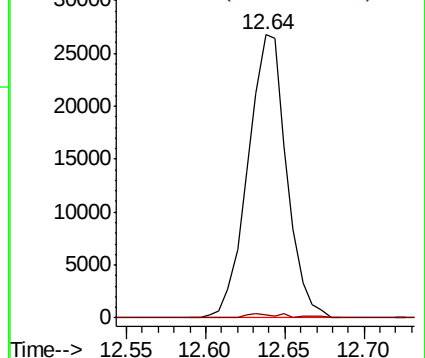
75 100

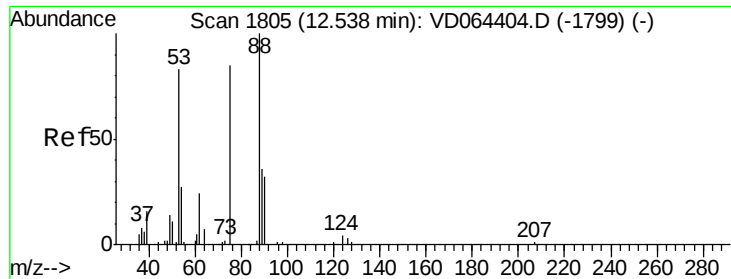
77 1.2 0.0 0.0#



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: 115.551 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064553.D

Acq: 17 Dec 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

PF-E

Tgt Ion: 75 Resp: 45300

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#

