

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064639.D
 Acq On : 27 Dec 2019 12:30
 Operator : VA/SY
 Sample : K6437-02RE
 Misc : 6.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-2-(3-5)RE

Quant Time: Dec 30 00:57:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	358113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	535377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240680	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	190908	60.46	ug/l	0.00
Spiked Amount			Recovery	=	120.92%	
35) Dibromofluoromethane	7.92	113	173097	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
50) Toluene-d8	10.34	98	647535	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.64	95	213171	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	

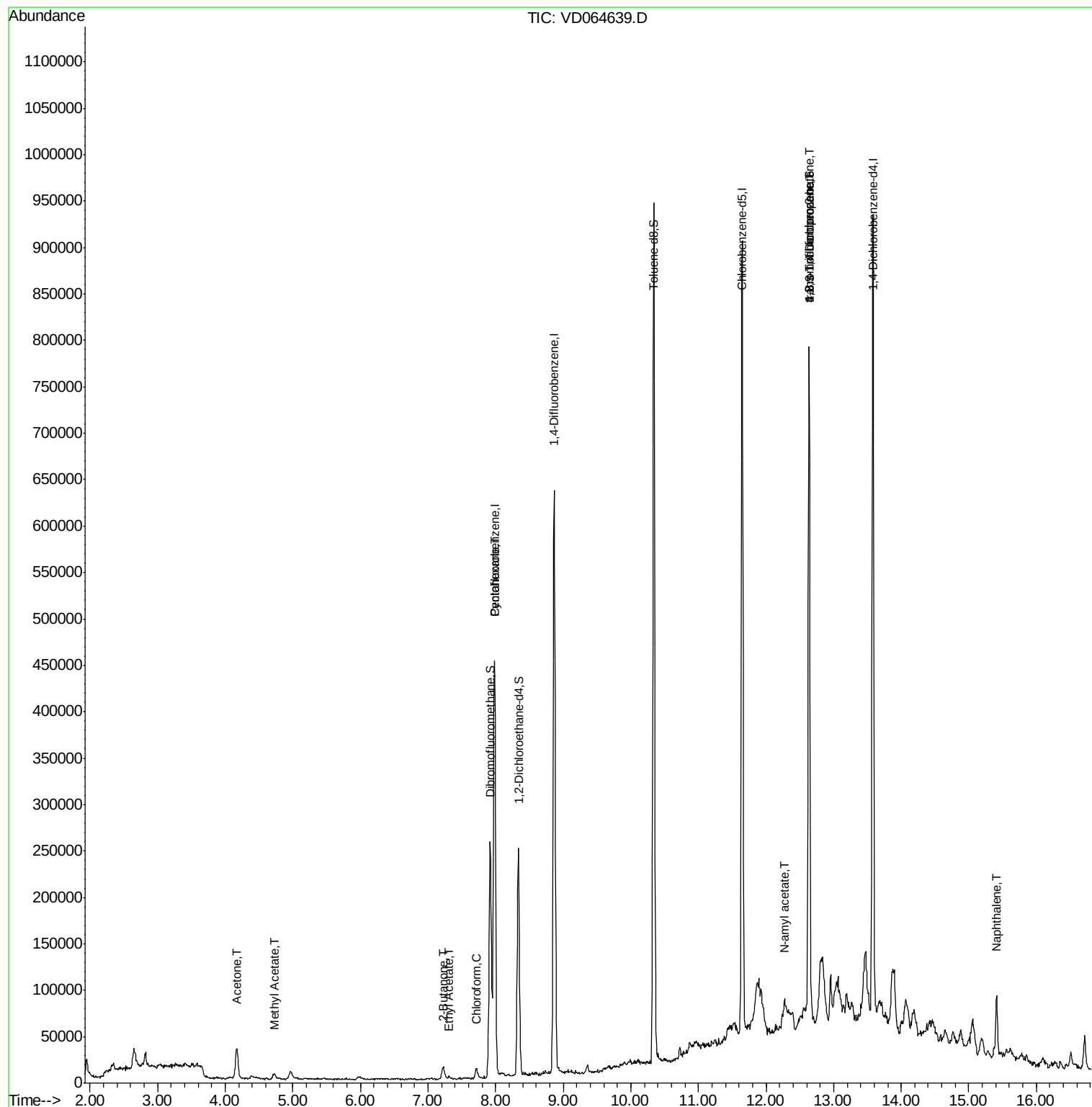
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	60627	87.208	ug/l	93
18) Methyl Acetate	4.73	43	10871	6.115	ug/l	99
20) Methylene Chloride	4.96	84	6334	Below Cal	#	79
25) 2-Butanone	7.23	43	15822	18.228	ug/l	90
30) Chloroform	7.72	83	9693	1.571	ug/l	85
31) Cyclohexane	7.98	56	8555	1.453	ug/l #	43
37) Ethyl Acetate	7.30	43	5130	2.534	ug/l #	94
74) N-amyl acetate	12.27	43	6821	1.855	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	114228	60.102	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	114228	125.702	ug/l #	10
95) Naphthalene	15.41	128	56884	7.108	ug/l #	94

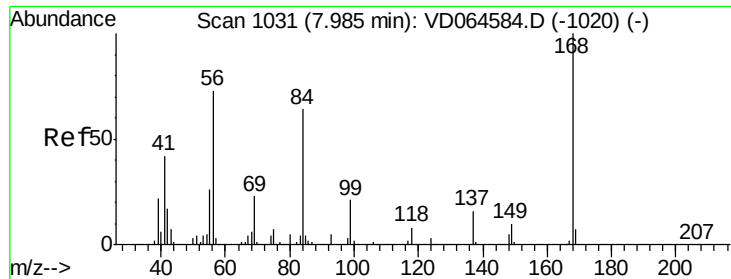
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
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Quant Time: Dec 30 00:57:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

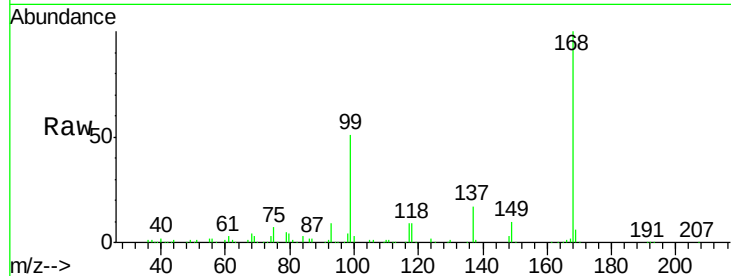
GP-2-(3-5)RE

Tgt Ion:168 Resp: 358113

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

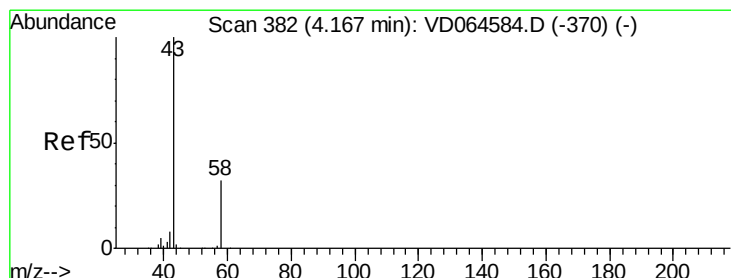
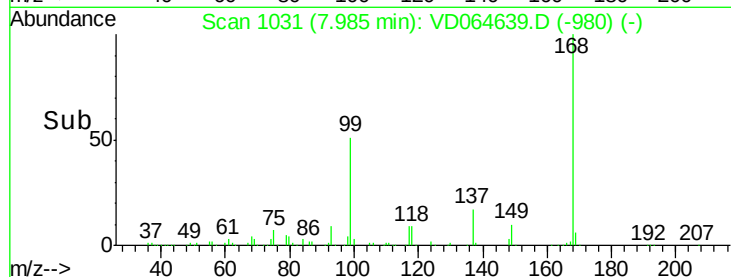
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 87.208 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064639.D

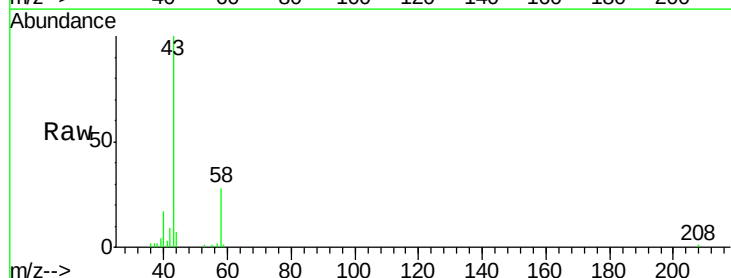
Acq: 27 Dec 2019 12:30

Tgt Ion: 43 Resp: 60627

Ion Ratio Lower Upper

43 100

58 28.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

20000

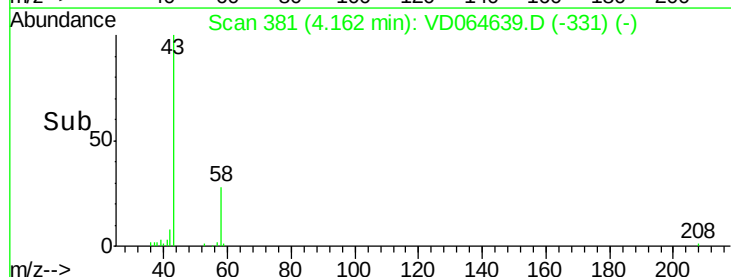
15000

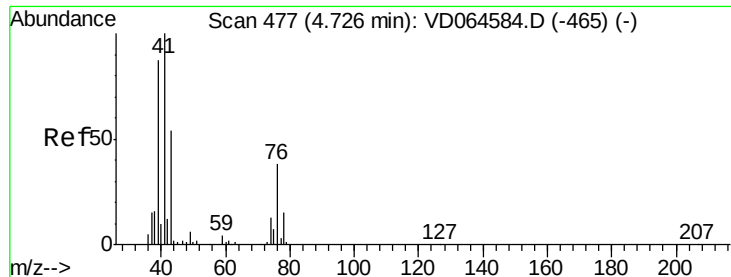
10000

5000

0

Time-->

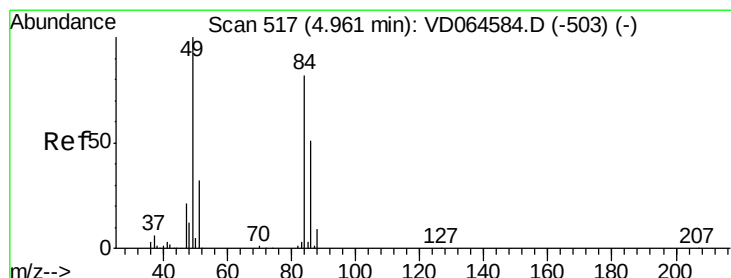
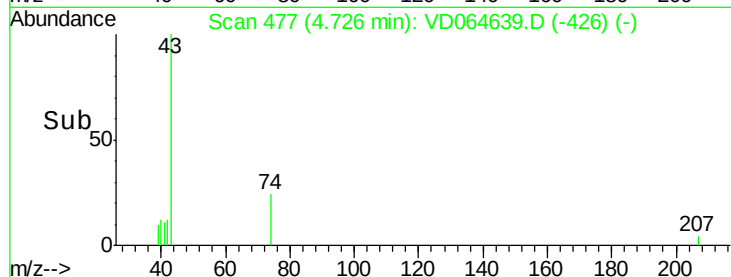
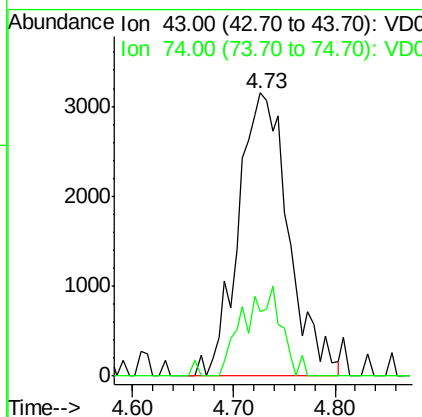
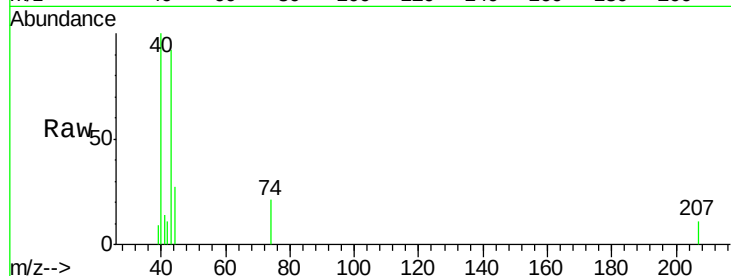




#18
Methyl Acetate
Concen: 6.115 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064639.D
Acq: 27 Dec 2019 12:30

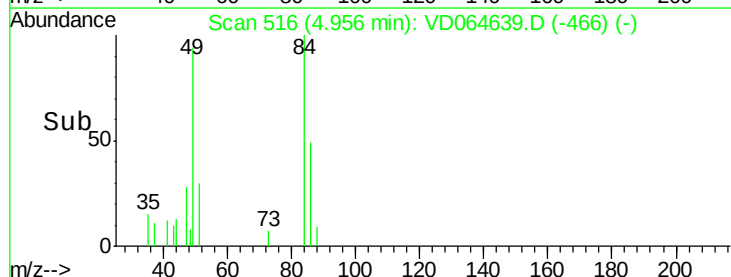
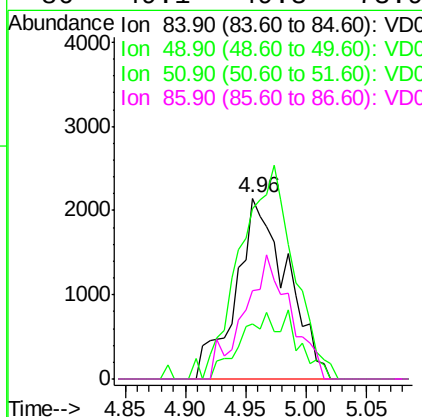
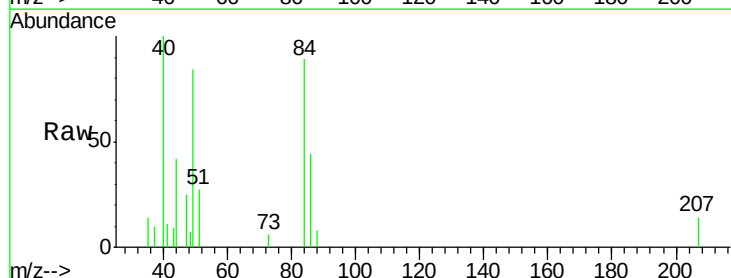
Instrument :
MSVOA_D
ClientSampleId :
GP-2-(3-5)RE

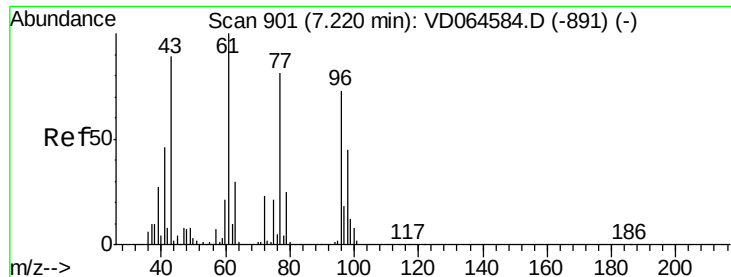
Tgt Ion: 43 Resp: 10871
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064639.D
Acq: 27 Dec 2019 12:30

Tgt Ion: 84 Resp: 6334
Ion Ratio Lower Upper
84 100
49 94.0 97.2 145.8#
51 30.2 31.4 47.0#
86 49.1 49.3 73.9#





#25

2-Butanone

Concen: 18.228 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

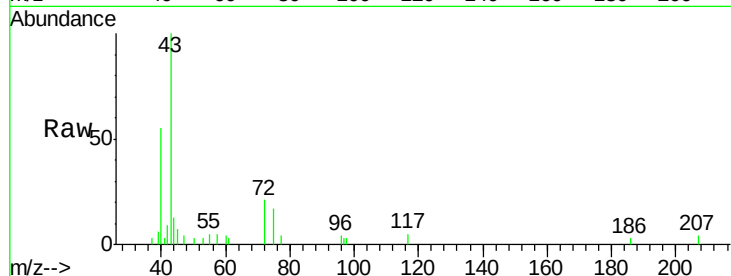
GP-2-(3-5)RE

Tgt Ion: 43 Resp: 15822

Ion Ratio Lower Upper

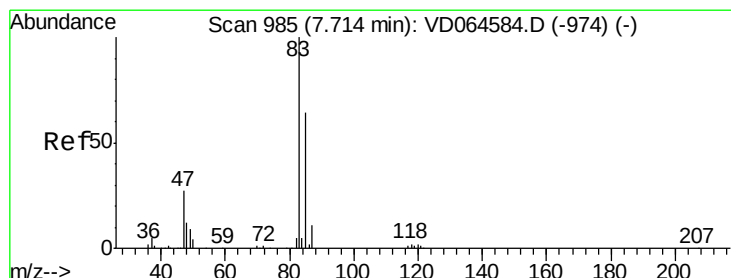
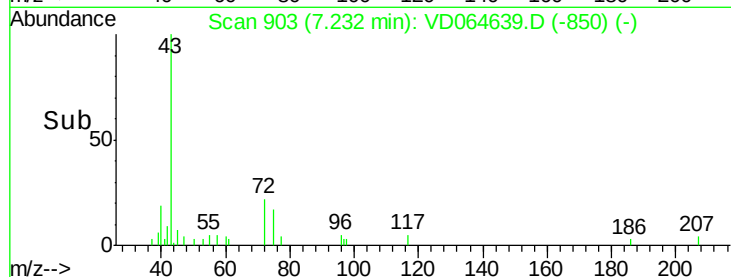
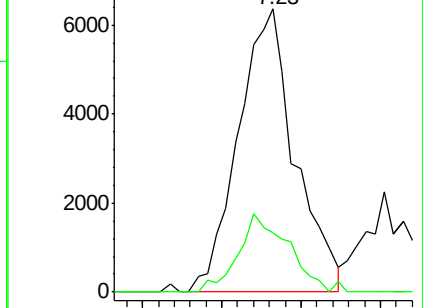
43 100

72 20.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 1.571 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064639.D

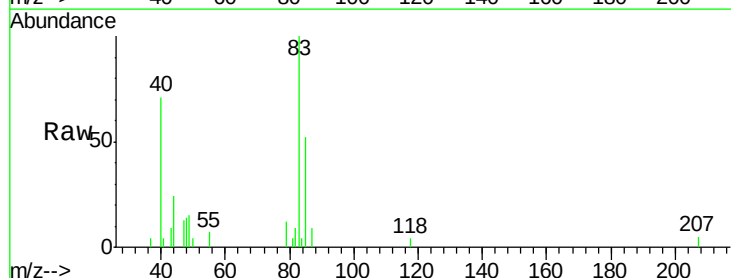
Acq: 27 Dec 2019 12:30

Tgt Ion: 83 Resp: 9693

Ion Ratio Lower Upper

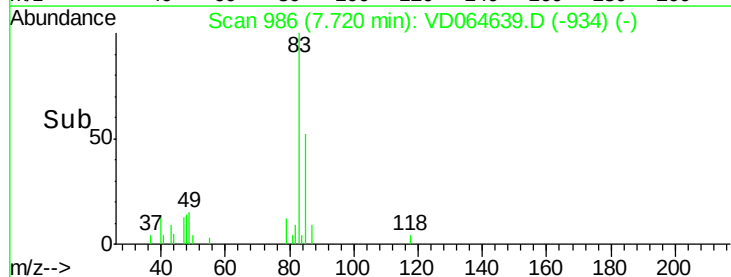
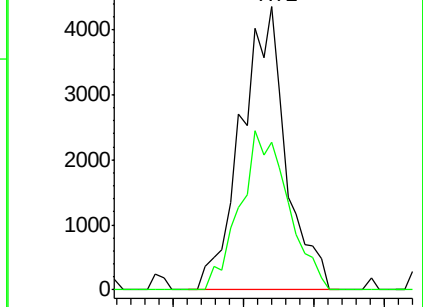
83 100

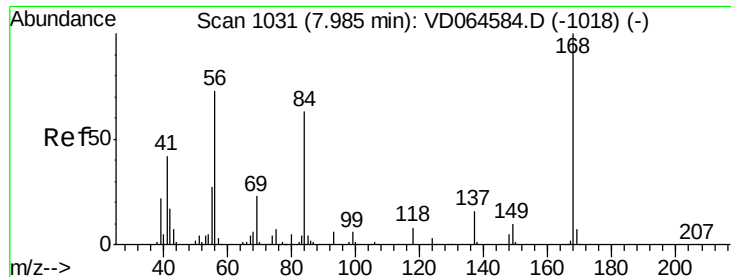
85 52.2 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

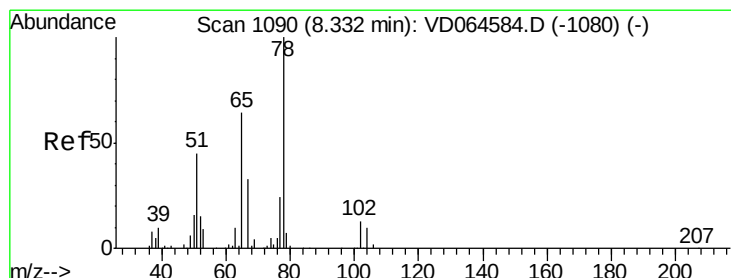
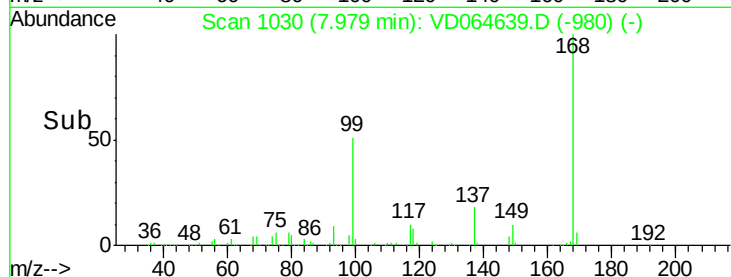
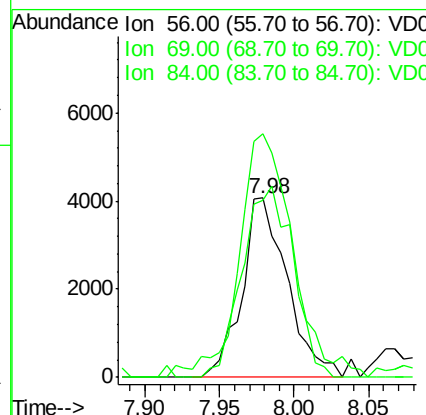
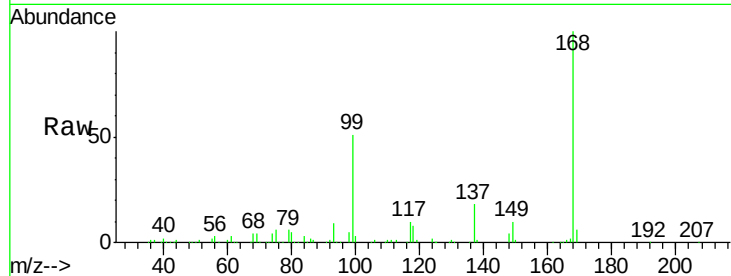




#31
Cyclohexane
Concen: 1.453 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064639.D
Acq: 27 Dec 2019 12:30

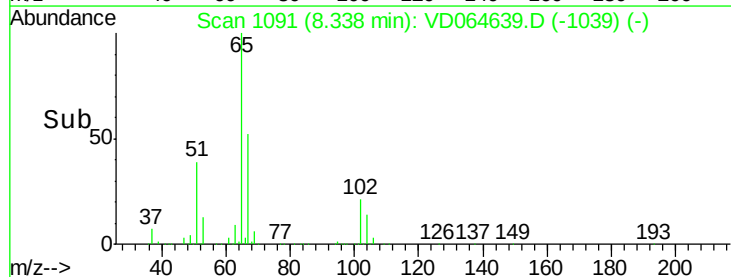
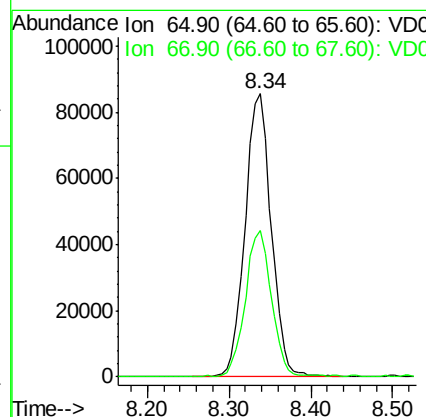
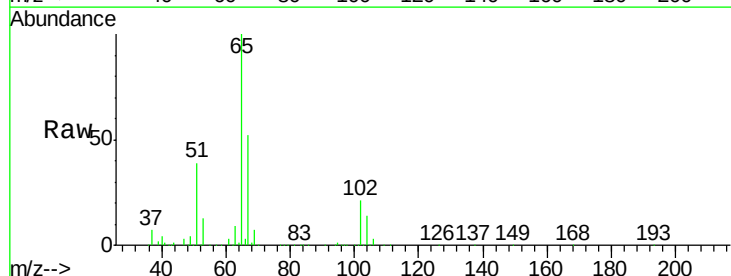
Instrument :
MSVOA_D
ClientSampleId :
GP-2-(3-5)RE

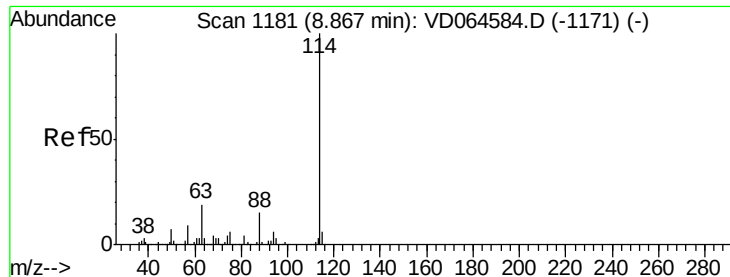
Tgt Ion: 56 Resp: 8555
Ion Ratio Lower Upper
56 100
69 130.9 24.7 37.1#
84 98.5 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 60.456 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064639.D
Acq: 27 Dec 2019 12:30

Tgt Ion: 65 Resp: 190908
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.2

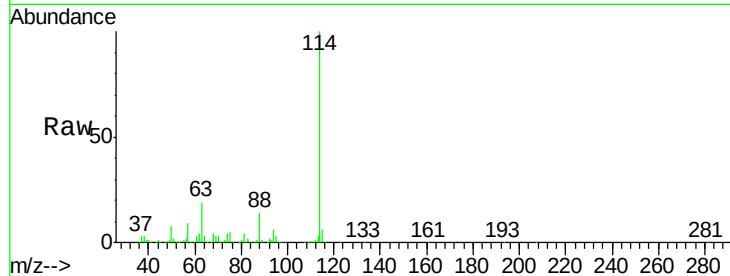




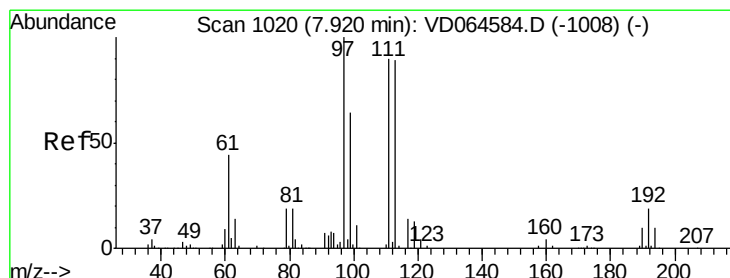
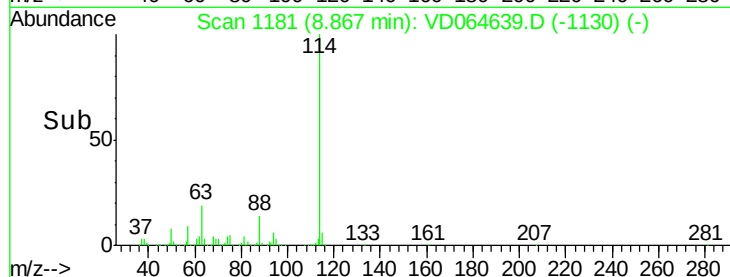
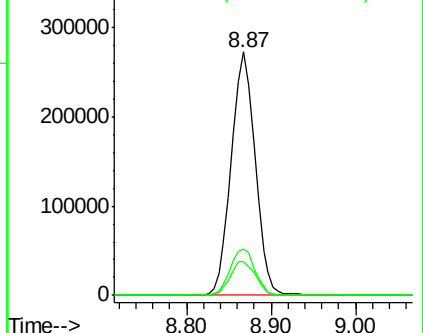
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064639.D
 Acq: 27 Dec 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-2-(3-5)RE

Tgt Ion:114 Resp: 535377
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 14.0 0.0 29.2

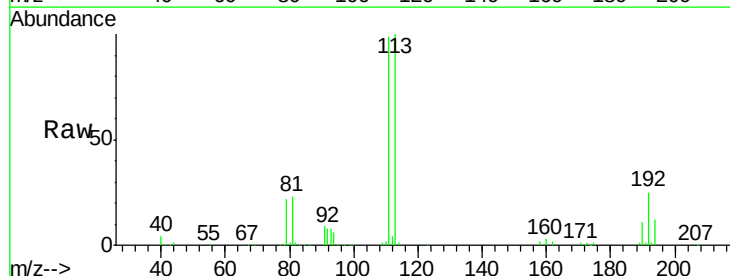


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

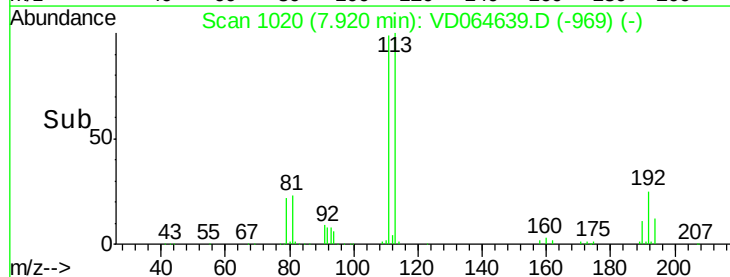
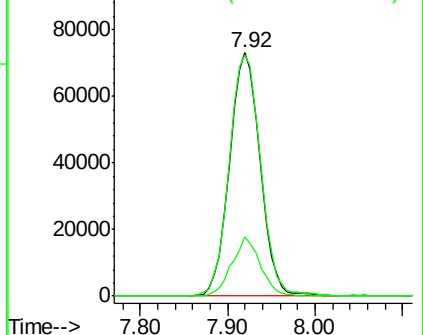


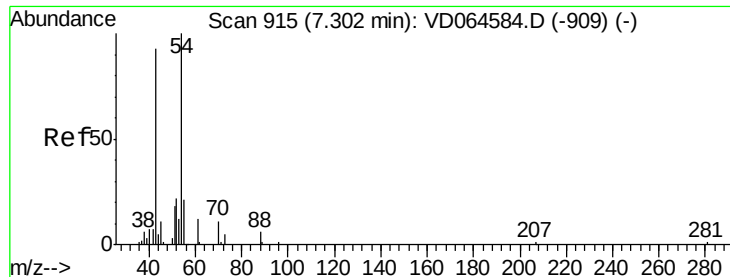
#35
 Dibromofluoromethane
 Concen: 52.699 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064639.D
 Acq: 27 Dec 2019 12:30

Tgt Ion:113 Resp: 173097
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.6 121.0
 192 22.6 17.9 26.9



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

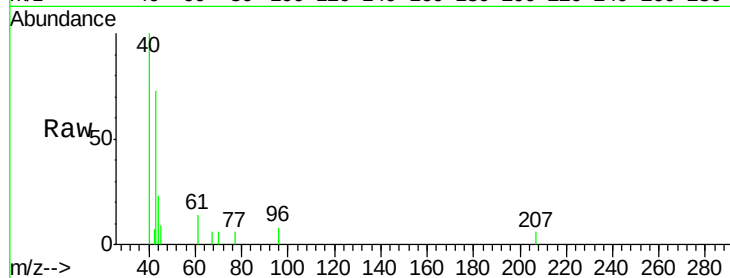




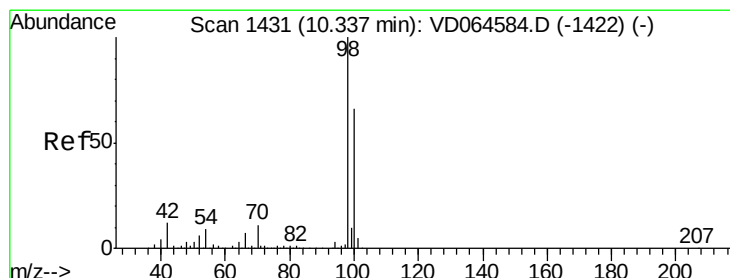
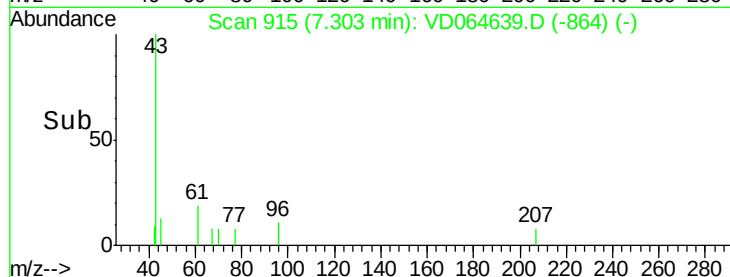
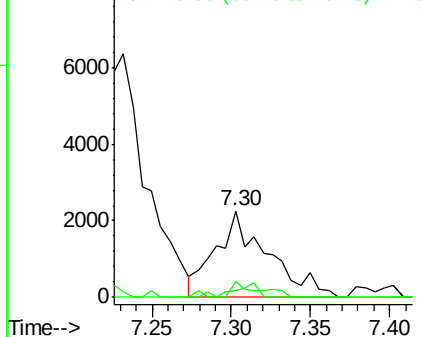
#37
Ethyl Acetate
Concen: 2.534 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064639.D
Acq: 27 Dec 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
GP-2-(3-5)RE

Tgt Ion: 43 Resp: 5130
Ion Ratio Lower Upper
43 100
61 10.8 10.3 15.5
70 6.6 7.6 11.4#

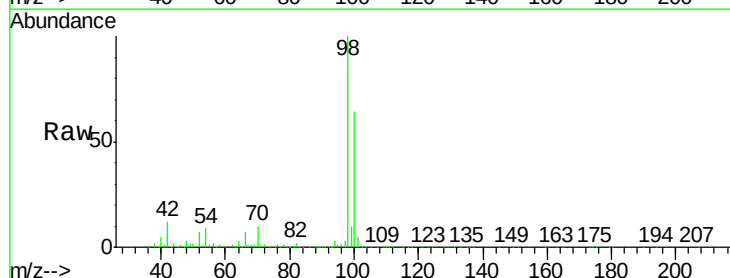


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

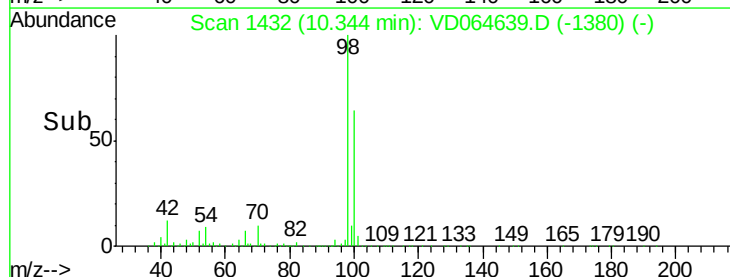
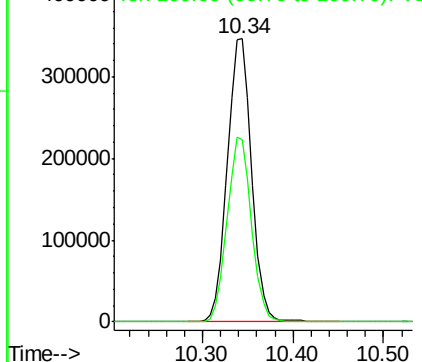


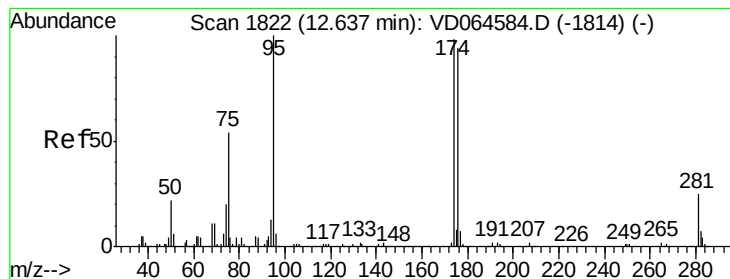
#50
Toluene-d8
Concen: 51.474 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064639.D
Acq: 27 Dec 2019 12:30

Tgt Ion: 98 Resp: 647535
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 53.589 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(3-5)RE

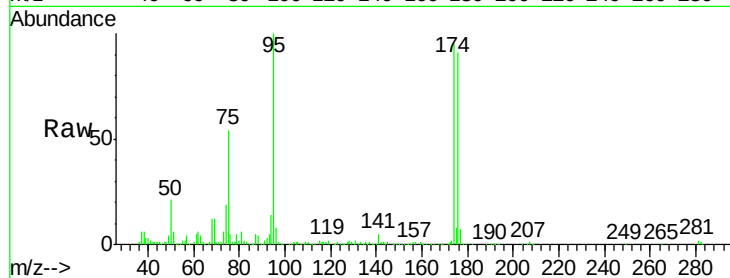
Tgt Ion: 95 Resp: 213171

Ion Ratio Lower Upper

95 100

174 95.3 0.0 193.2

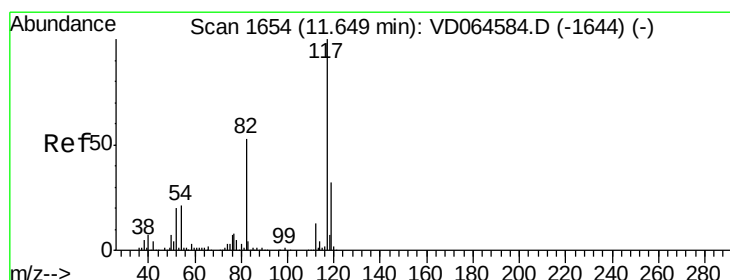
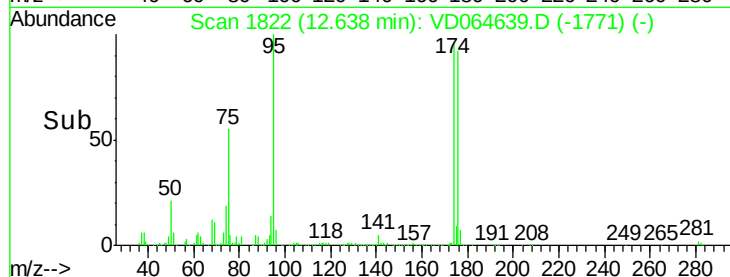
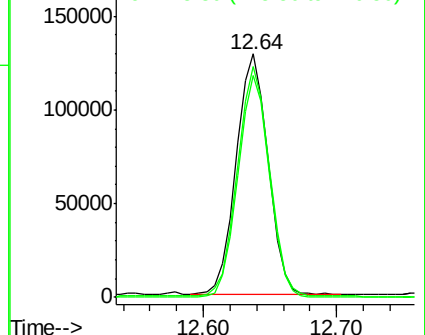
176 91.0 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

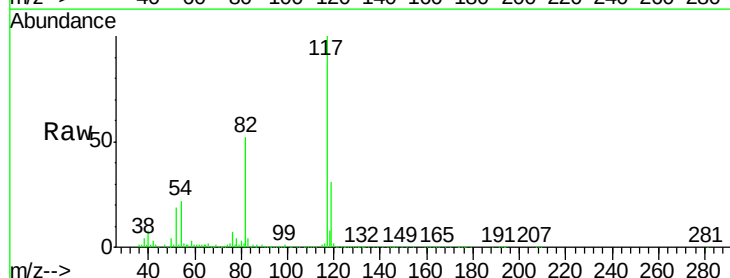
Tgt Ion: 117 Resp: 490274

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

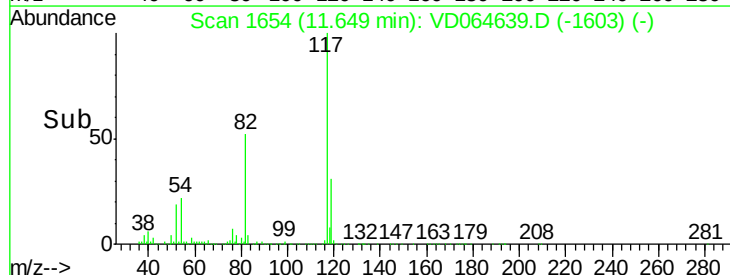
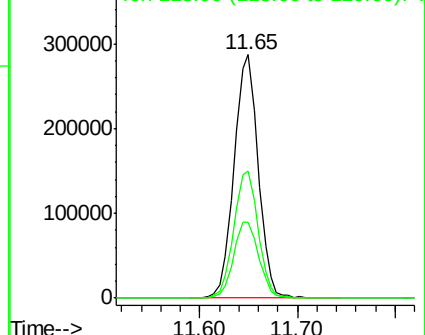
119 31.0 26.0 39.0

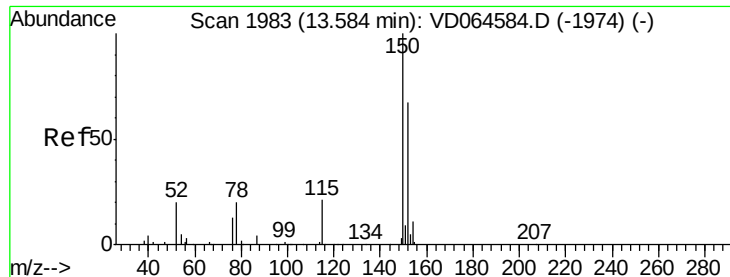


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(3-5)RE

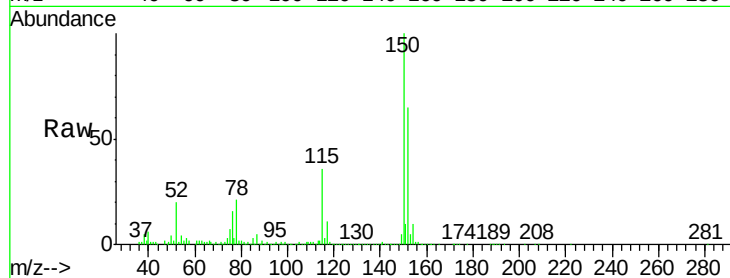
Tgt Ion:152 Resp: 240680

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

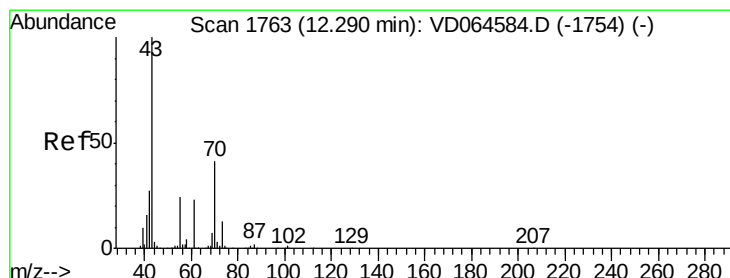
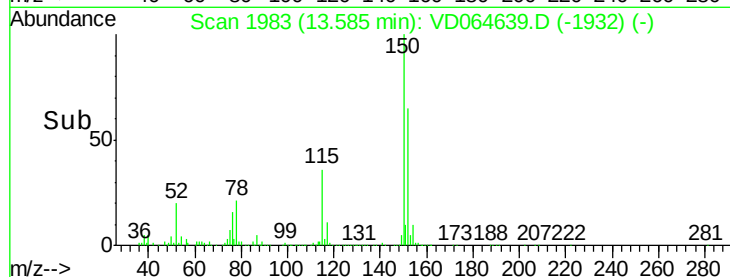
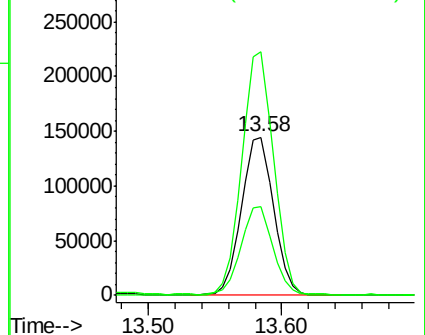
150 152.7 0.0 351.4



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



#74

N-ethyl acetate

Concen: 1.855 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

Tgt Ion: 43 Resp: 6821

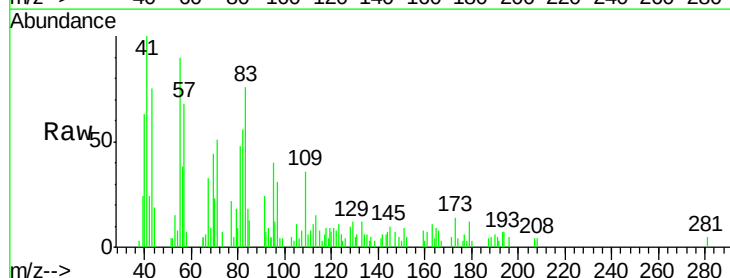
Ion Ratio Lower Upper

43 100

70 19.0 33.4 50.0#

55 107.9 19.4 29.0#

61 0.0 18.3 27.5#

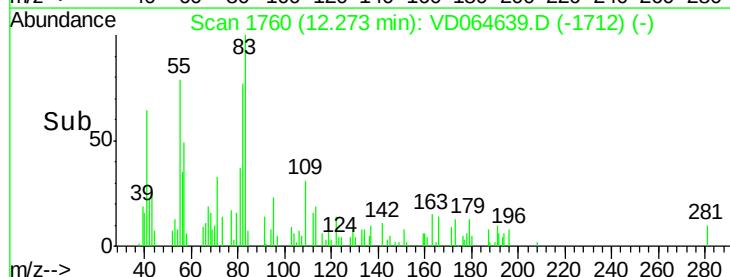
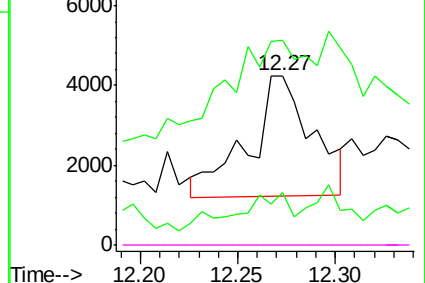


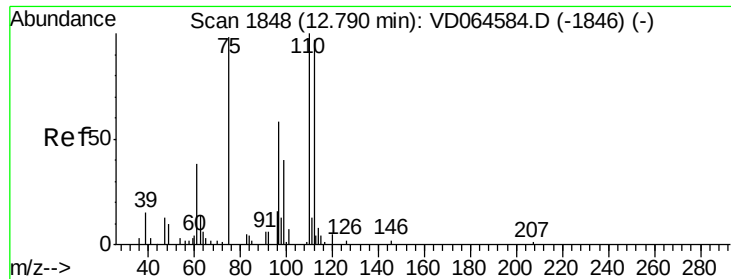
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 60.102 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

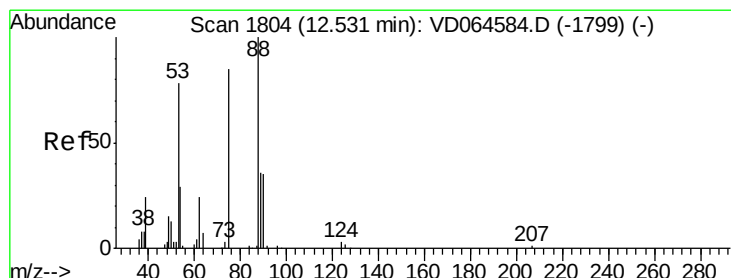
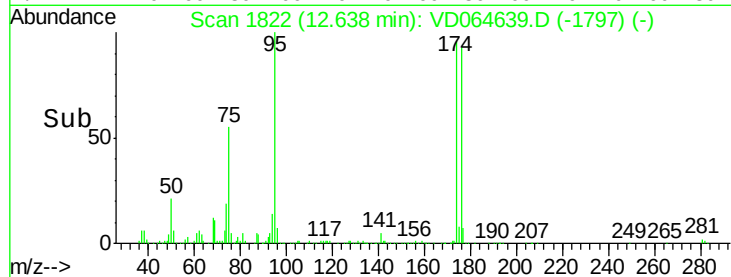
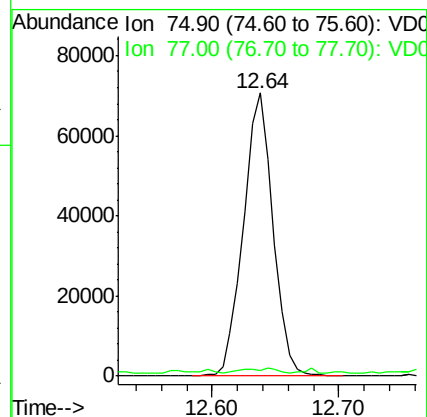
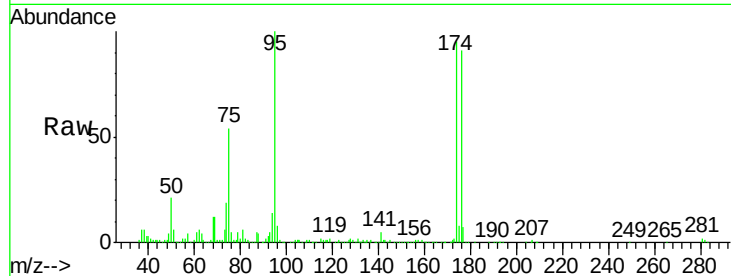
GP-2-(3-5)RE

Tgt Ion: 75 Resp: 114228

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.702 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

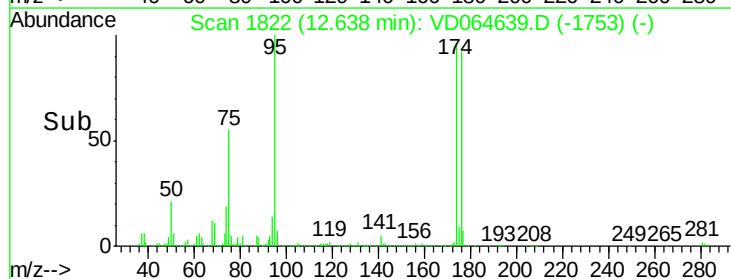
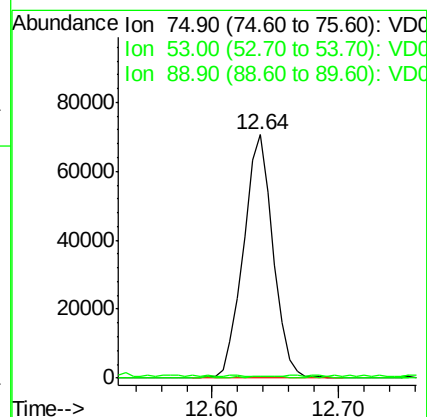
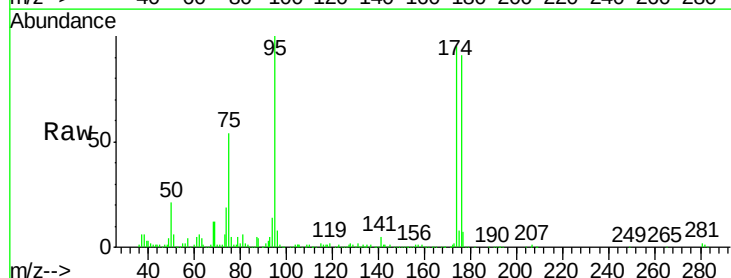
Tgt Ion: 75 Resp: 114228

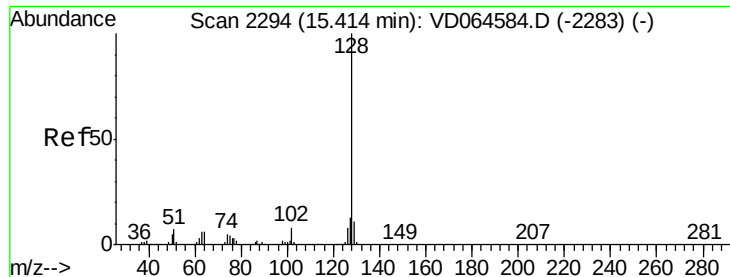
Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 1.0 38.3 57.5#





#95

Naphthalene

Concen: 7.108 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064639.D

Acq: 27 Dec 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

GP-2-(3-5)RE

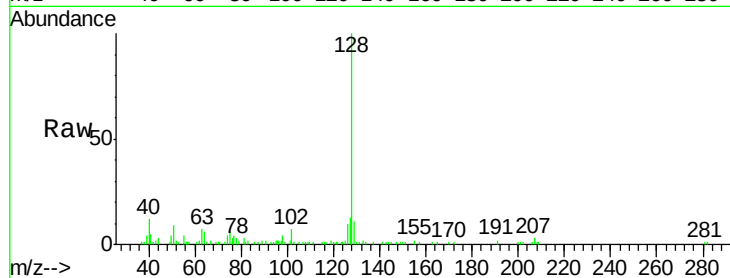
Tgt Ion:128 Resp: 56884

Ion Ratio Lower Upper

128 100

127 14.6 10.3 15.5

129 13.8 8.5 12.7#



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

