

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064646.D
 Acq On : 27 Dec 2019 15:52
 Operator : VA/SY
 Sample : K6431-09RE
 Misc : 6.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)

Quant Time: Dec 30 00:59:08 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	386149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	590536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	528846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256730	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	201515	59.18	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.92	113	192336	53.09	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.34	98	697505	50.27	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.64	95	231770	52.82	ug/l	0.00
Spiked Amount						

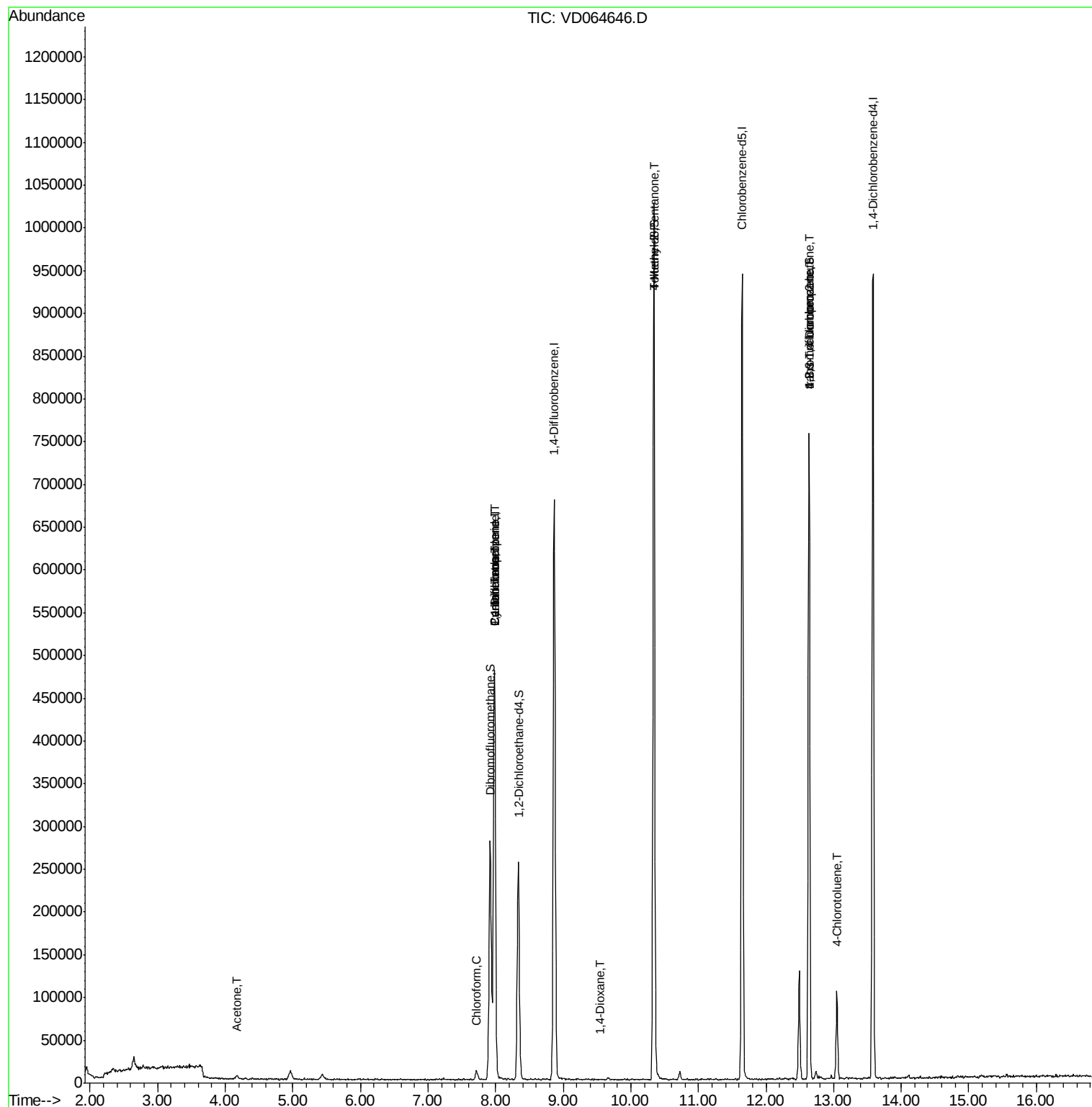
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	6383	12.032	ug/l	92
20) Methylene Chloride	4.96	84	7340	Below Cal		89
30) Chloroform	7.71	83	8965	1.347	ug/l	85
31) Cyclohexane	7.98	56	8411	1.325	ug/l #	30
36) 1,1-Dichloropropene	7.99	75	28508	5.016	ug/l #	50
38) Carbon Tetrachloride	7.99	117	36714	6.058	ug/l #	15
49) 1,4-Dioxane	9.54	88	72	3.023	ug/l #	24
51) 4-Methyl-2-Pentanone	10.34	43	3691	1.680	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	121350	59.858	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121350	125.191	ug/l #	10
82) 4-Chlorotoluene	13.06	91	14008	1.120	ug/l #	39

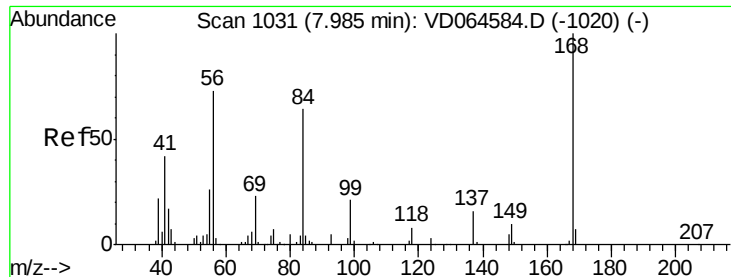
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064646.D

Acq: 27 Dec 2019 15:52

Instrument :

MSVOA_D

ClientSampleId :

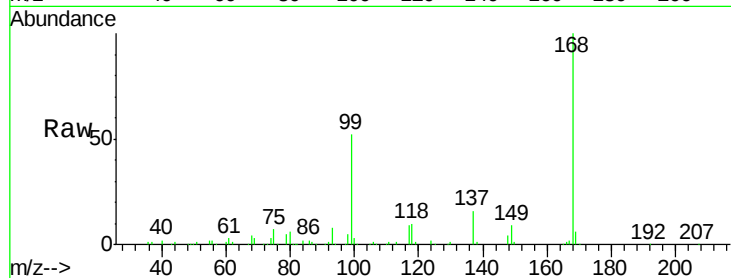
SB-2-(4-5)

Tgt Ion:168 Resp: 386149

Ion Ratio Lower Upper

168 100

99 51.7 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

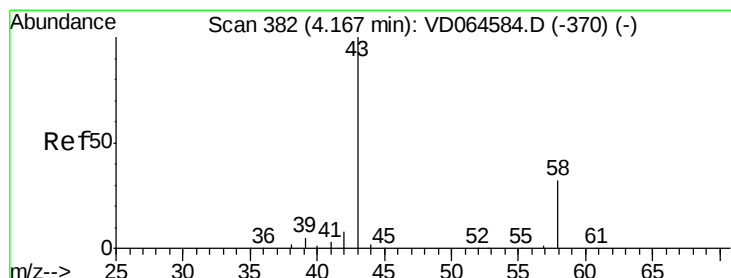
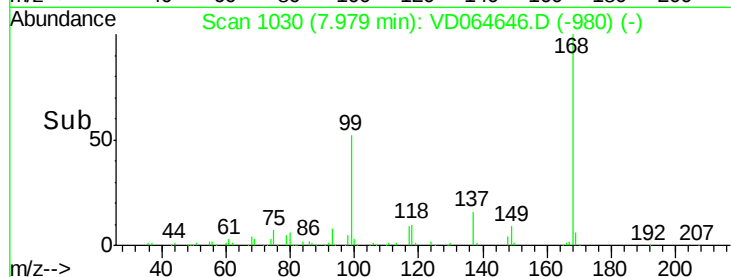
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 12.032 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064646.D

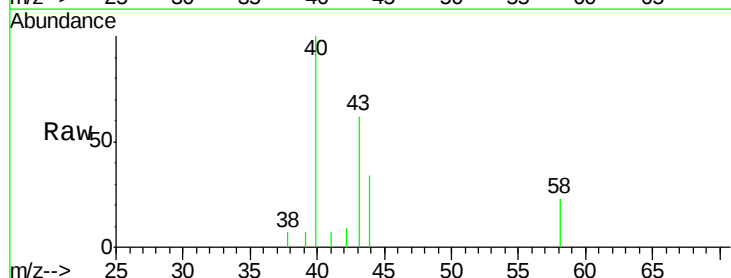
Acq: 27 Dec 2019 15:52

Tgt Ion: 43 Resp: 6383

Ion Ratio Lower Upper

43 100

58 36.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

2500

2000

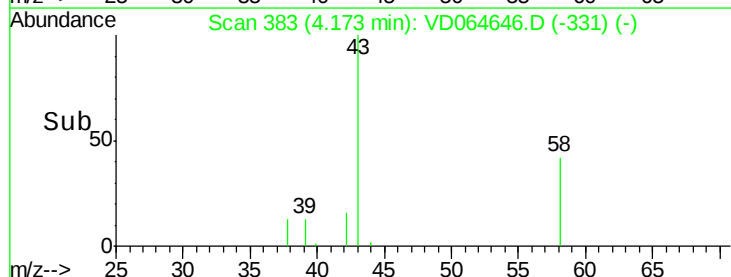
1500

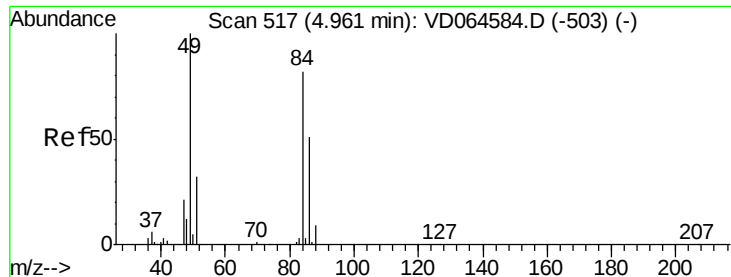
1000

500

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064646.D

Acq: 27 Dec 2019 15:52

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

Tgt Ion: 84 Resp: 7340

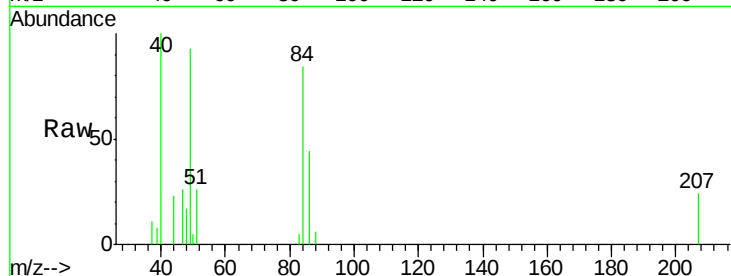
Ion Ratio Lower Upper

84 100

49 110.8 97.2 145.8

51 31.4 31.4 47.0

86 52.9 49.3 73.9

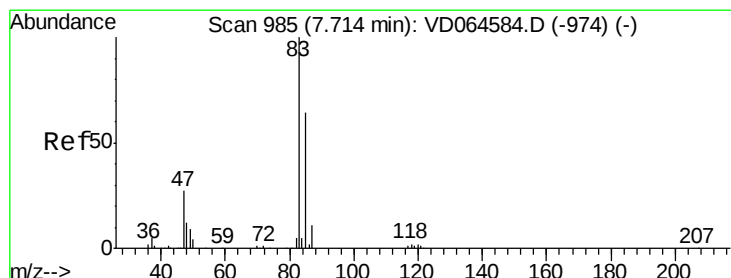
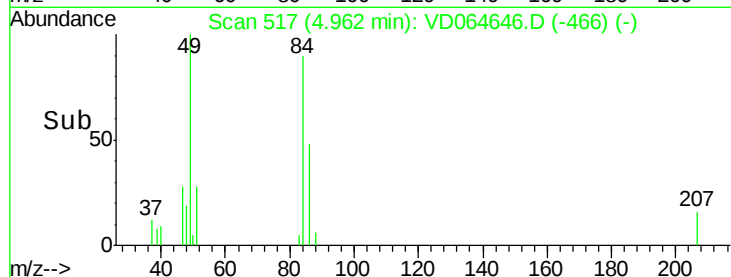
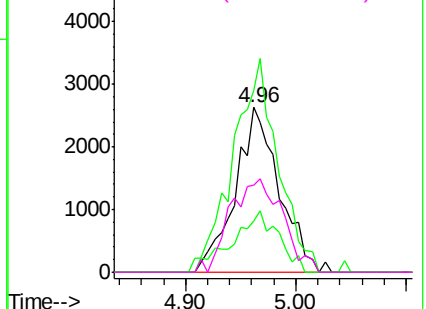


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#30

Chloroform

Concen: 1.347 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064646.D

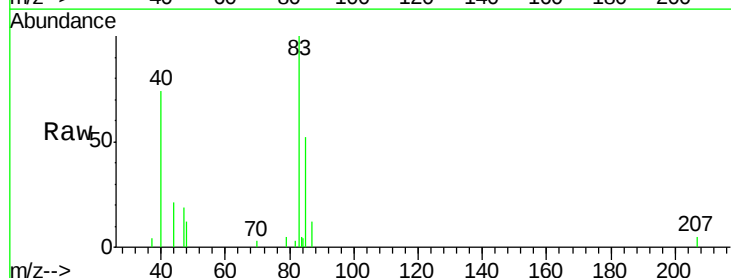
Acq: 27 Dec 2019 15:52

Tgt Ion: 83 Resp: 8965

Ion Ratio Lower Upper

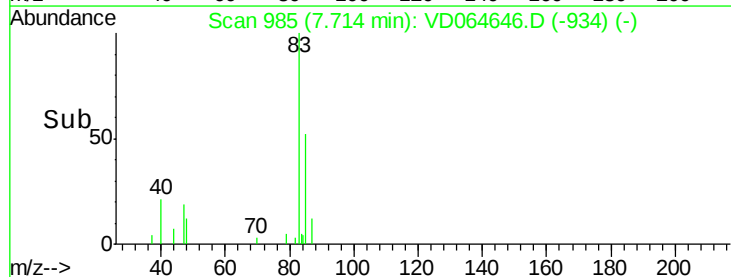
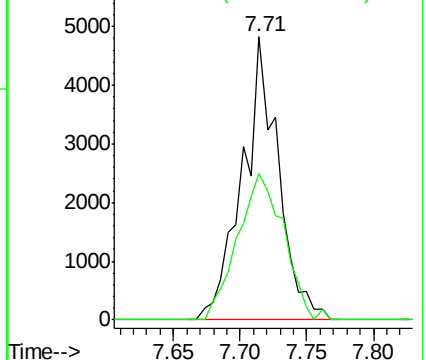
83 100

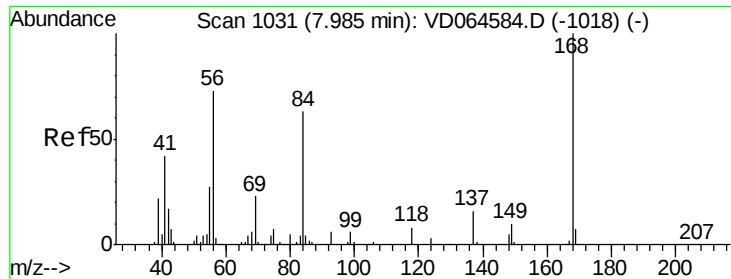
85 51.9 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064646.D

Acq: 27 Dec 2019 15:52

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)

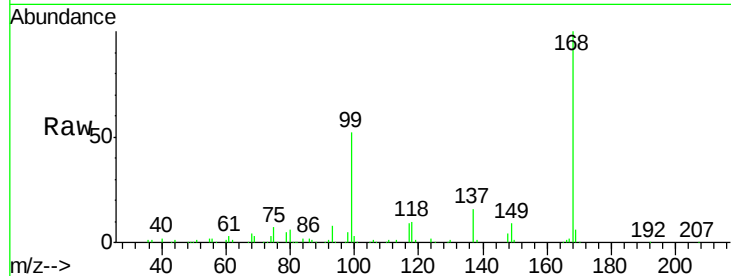
Tgt Ion: 56 Resp: 8411

Ion Ratio Lower Upper

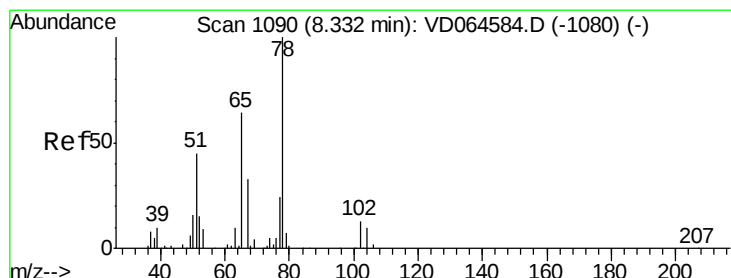
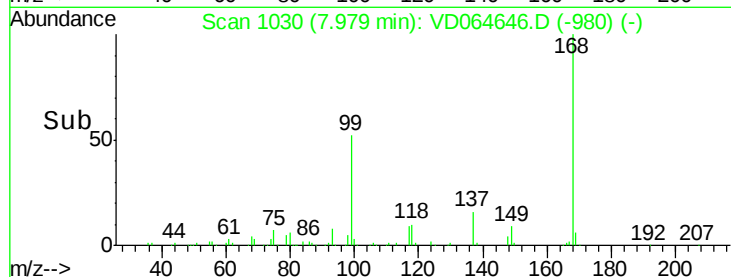
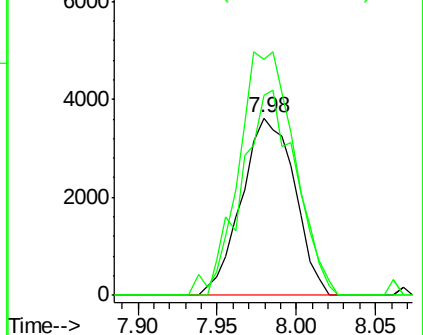
56 100

69 133.2 24.7 37.1#

84 112.6 69.4 104.2#



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: 59.182 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064646.D

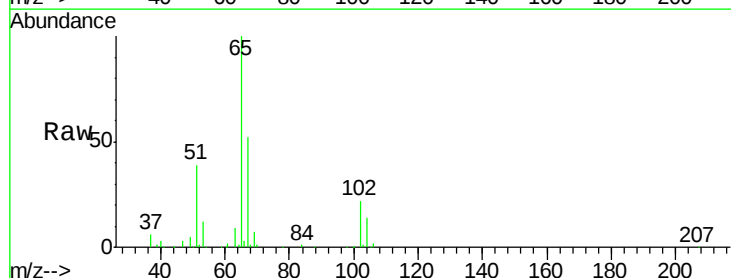
Acq: 27 Dec 2019 15:52

Tgt Ion: 65 Resp: 201515

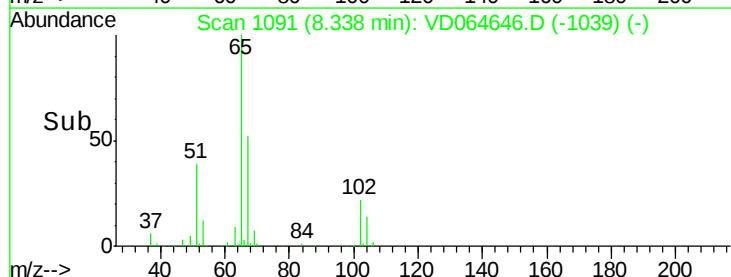
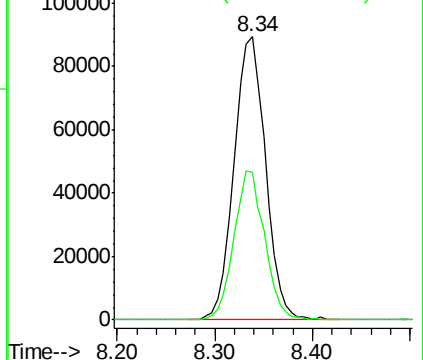
Ion Ratio Lower Upper

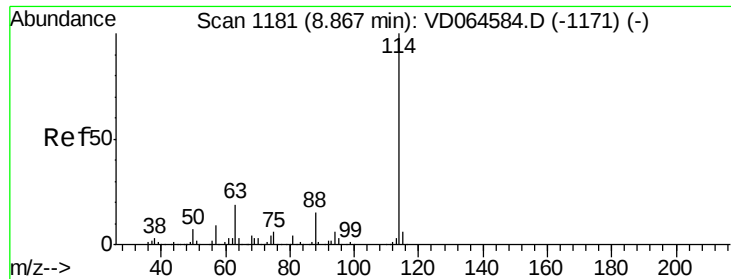
65 100

67 51.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

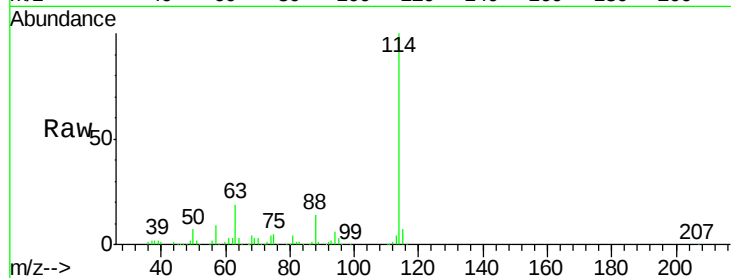




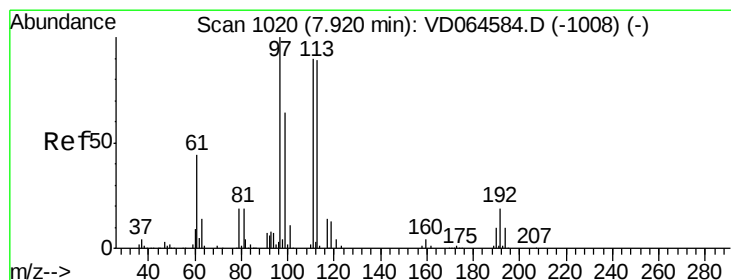
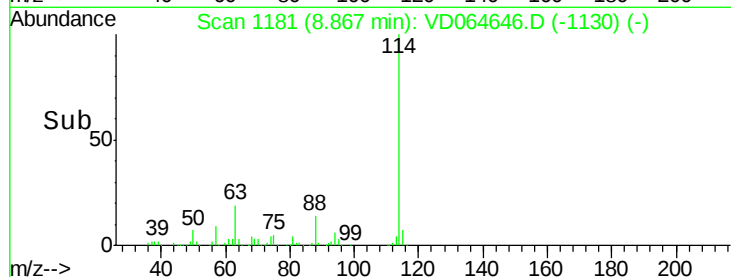
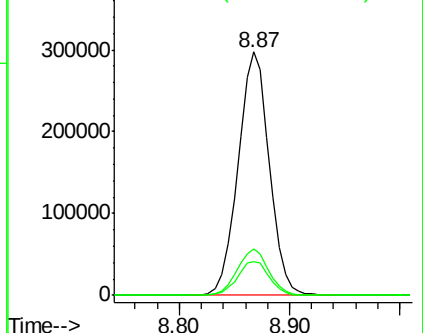
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.0
88	14.0	0.0	29.2

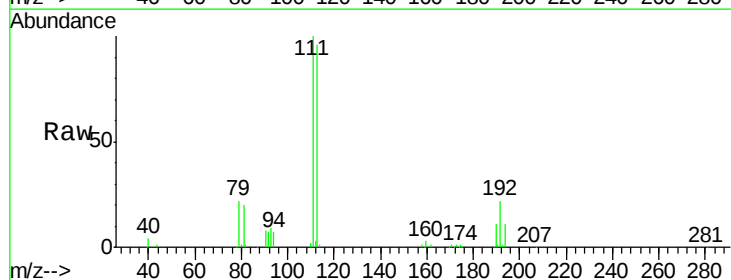


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

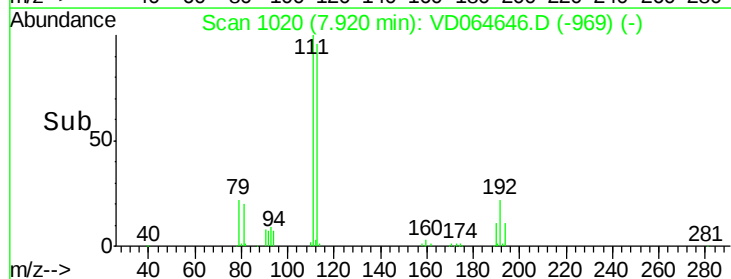
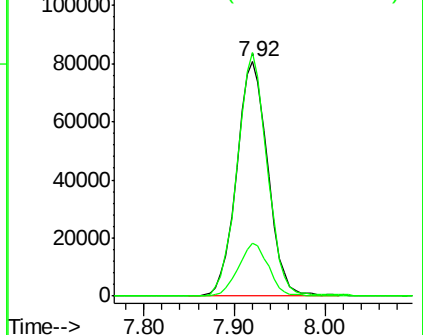


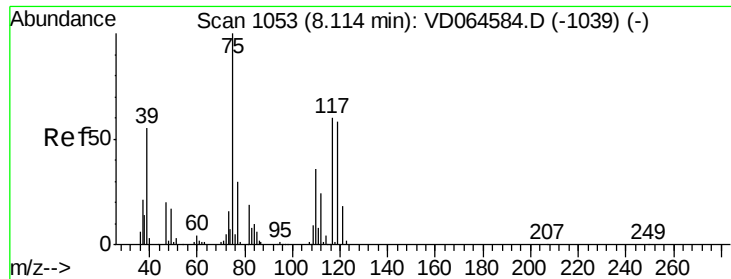
#35
 Dibromofluoromethane
 Concen: 53.087 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	80.6	121.0
192	22.0	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

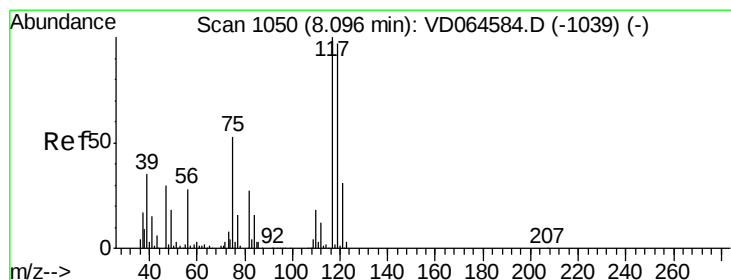
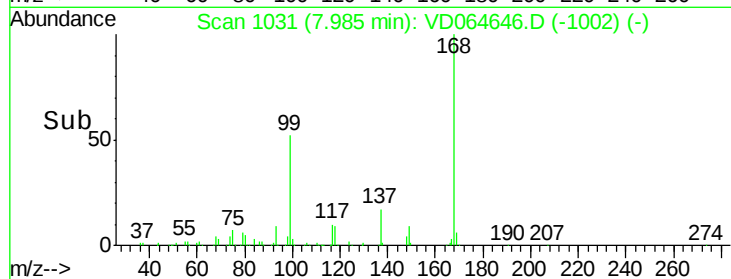
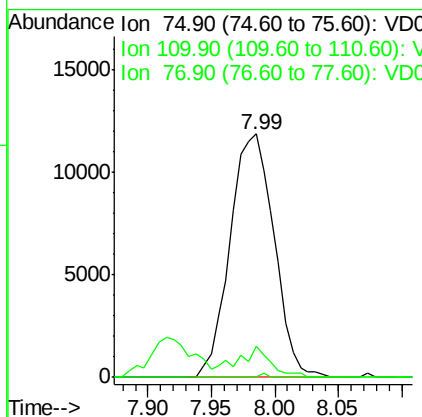
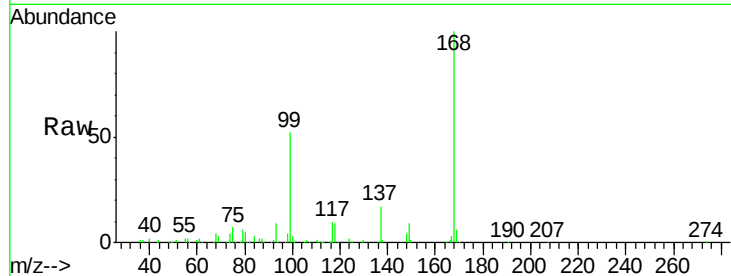




#36
 1,1-Dichloropropene
 Concen: 5.016 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

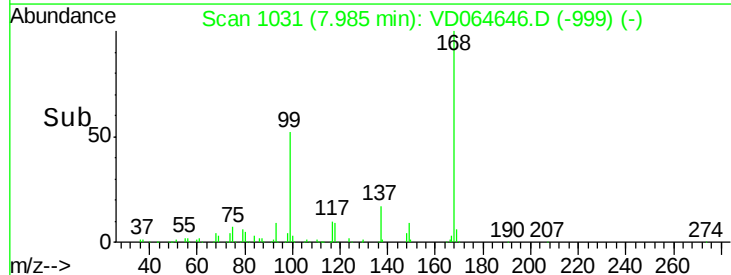
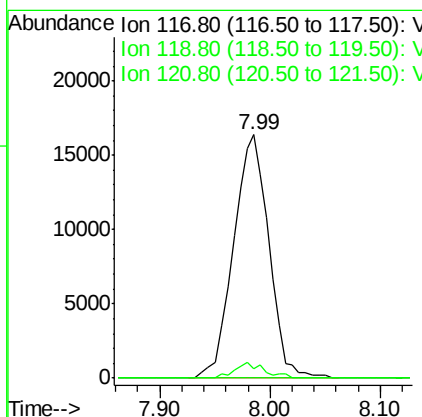
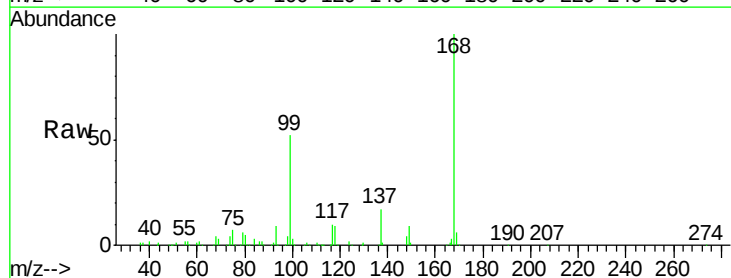
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)

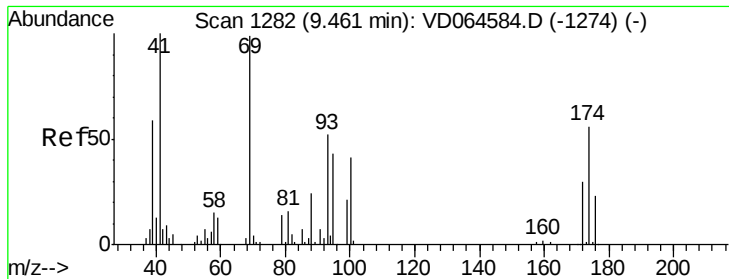
Tgt Ion: 75 Resp: 28508
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.1#
 77 0.2 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.058 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

Tgt Ion: 117 Resp: 36714
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.3 115.9#
 121 0.0 25.0 37.6#

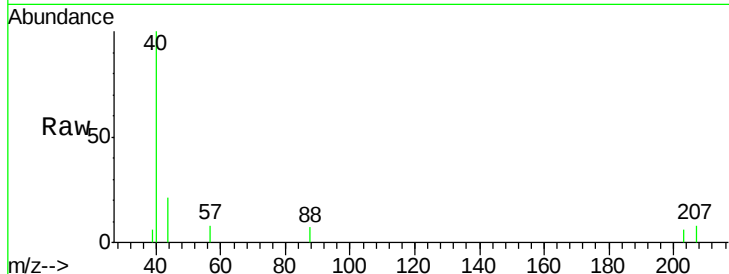




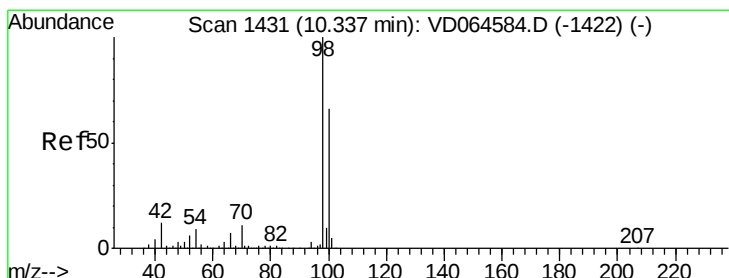
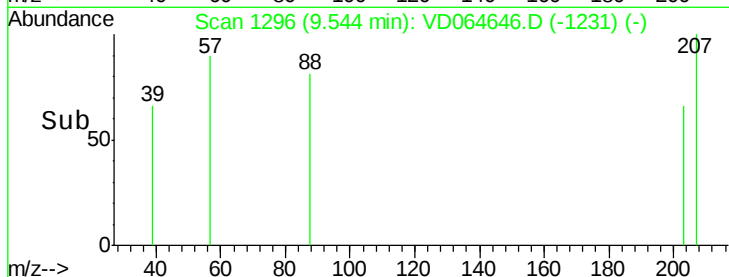
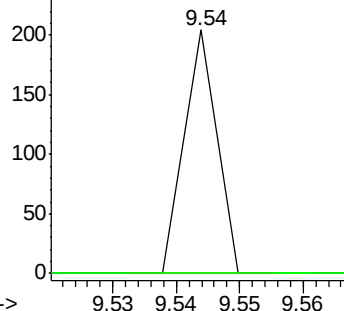
#49
 1,4-Dioxane
 Concen: 3.023 ug/l
 RT: 9.54 min Scan# 1296
 Delta R.T. 0.08 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)

Tgt Ion: 88 Resp: 72
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.7 41.5#
 58 0.0 53.8 80.6#

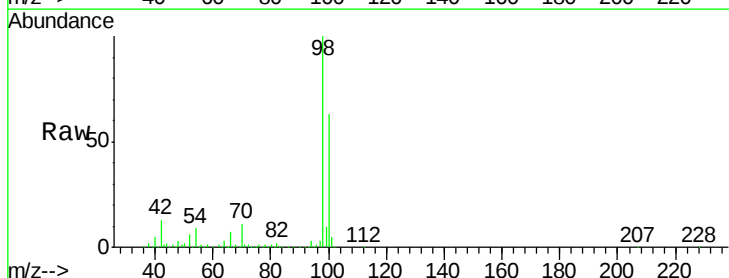


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

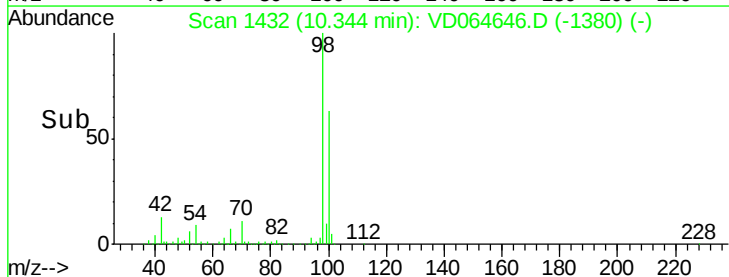
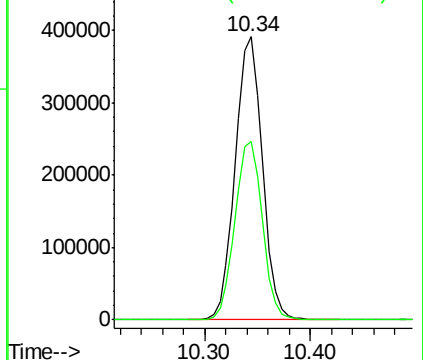


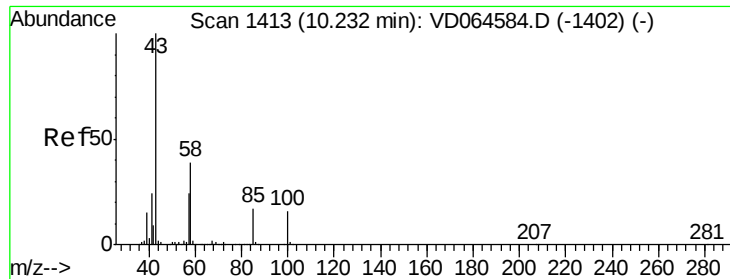
#50
 Toluene-d8
 Concen: 50.268 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

Tgt Ion: 98 Resp: 697505
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.7 77.5



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

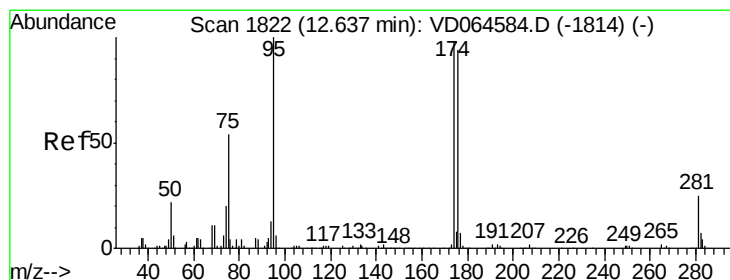
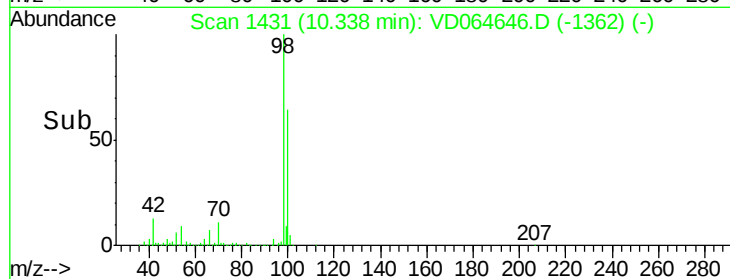
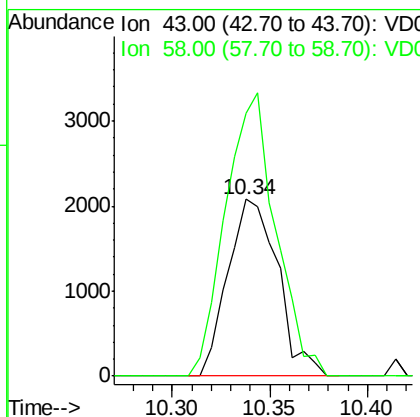
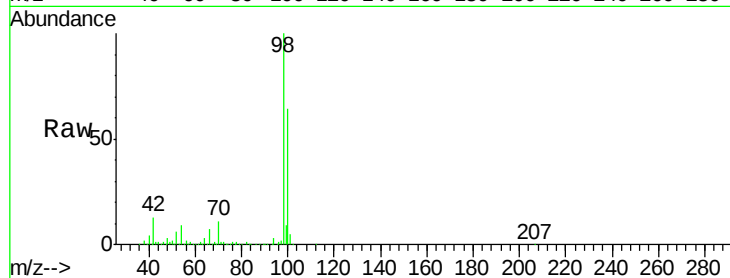




#51
 4-Methyl-2-Pentanone
 Concen: 1.680 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.11 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

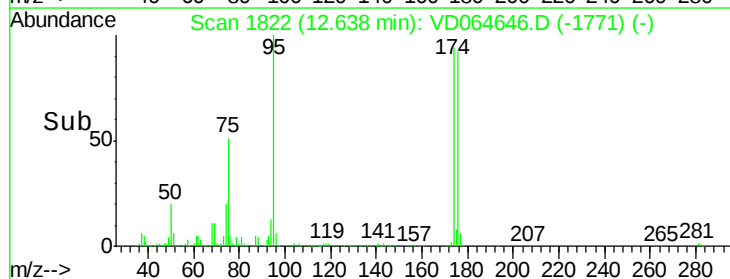
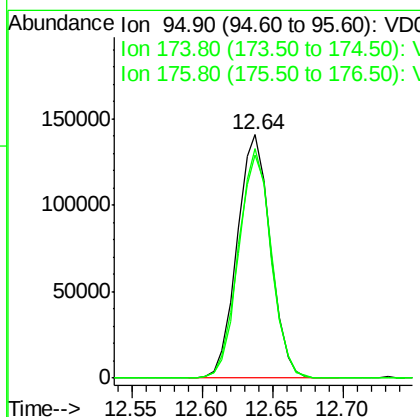
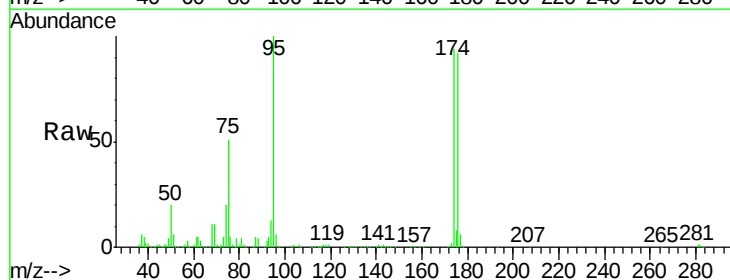
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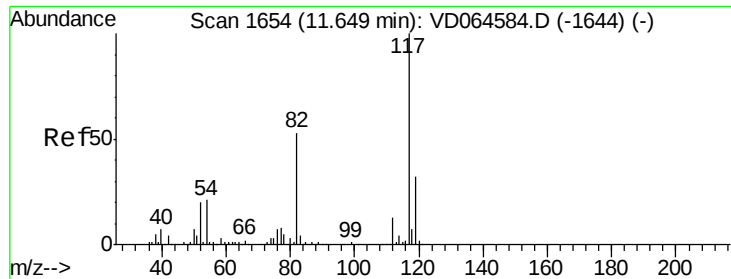
Tgt Ion: 43 Resp: 3691
 Ion Ratio Lower Upper
 43 100
 58 160.7 30.2 45.2#



#62
 4-Bromofluorobenzene
 Concen: 52.823 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

Tgt Ion: 95 Resp: 231770
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 193.2
 176 91.0 0.0 184.2

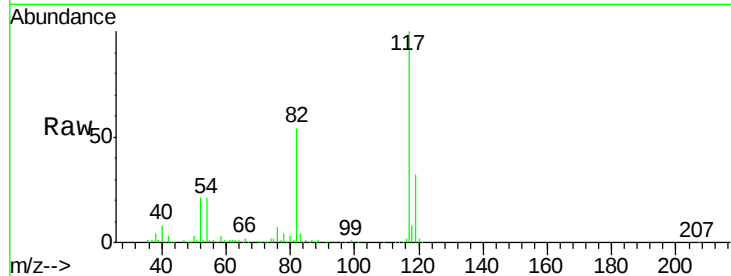




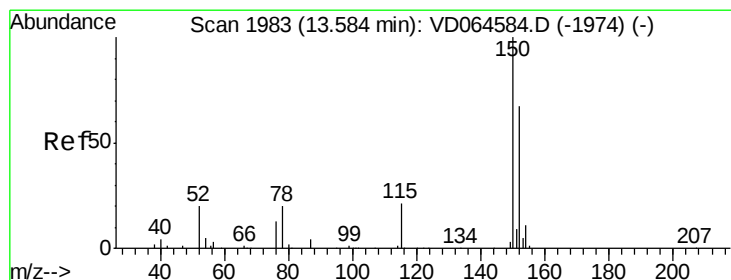
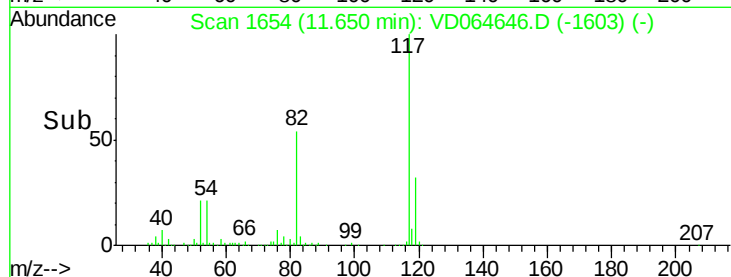
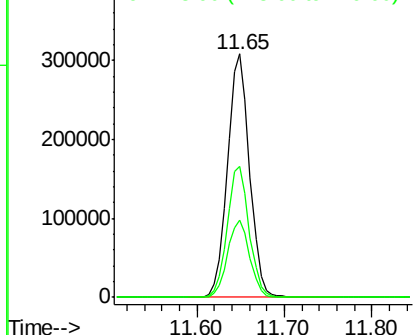
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064646.D
Acq: 27 Dec 2019 15:52

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)

Tgt Ion:117 Resp: 528846
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 31.8 26.0 39.0

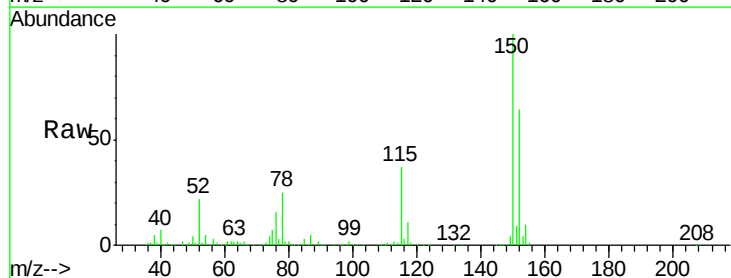


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

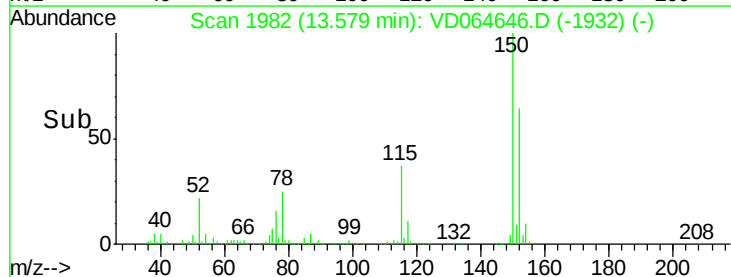
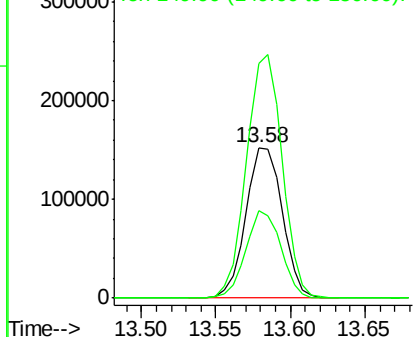


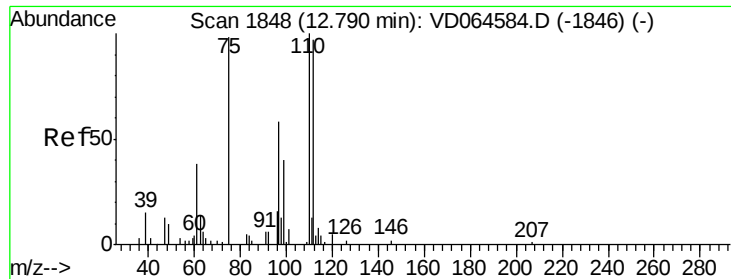
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064646.D
Acq: 27 Dec 2019 15:52

Tgt Ion:152 Resp: 256730
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 158.9 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





#76

1,2,3-Trichloropropane

Concen: 59.858 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064646.D

Acq: 27 Dec 2019 15:52

Instrument :

MSVOA_D

ClientSampleId :

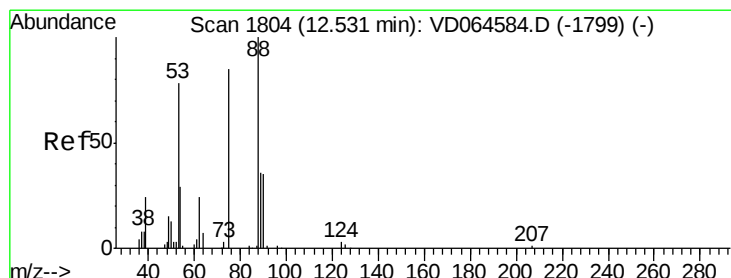
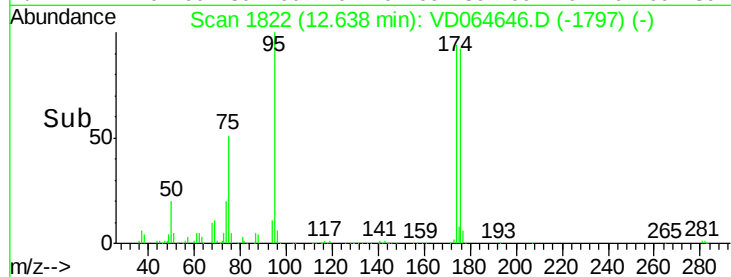
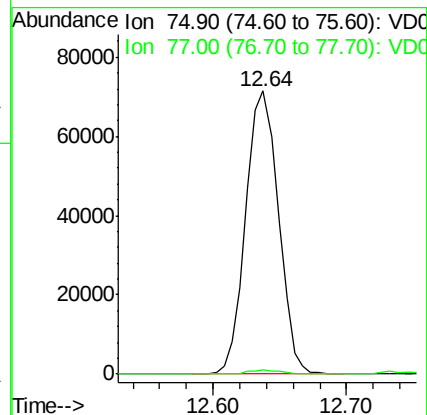
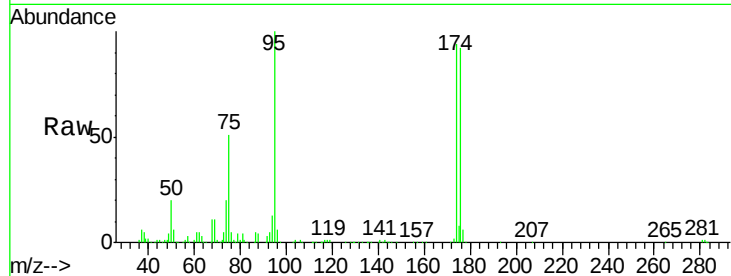
SB-2-(4-5)

Tgt Ion: 75 Resp: 121350

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.191 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064646.D

Acq: 27 Dec 2019 15:52

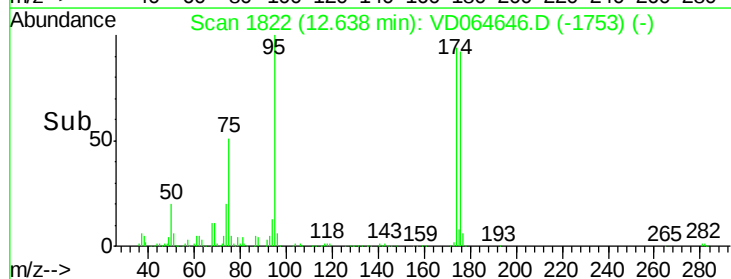
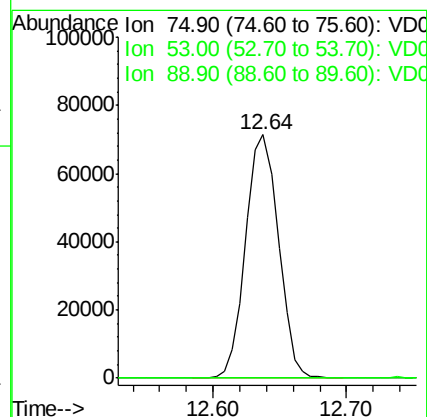
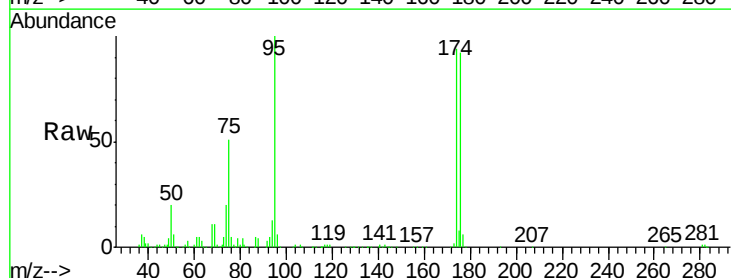
Tgt Ion: 75 Resp: 121350

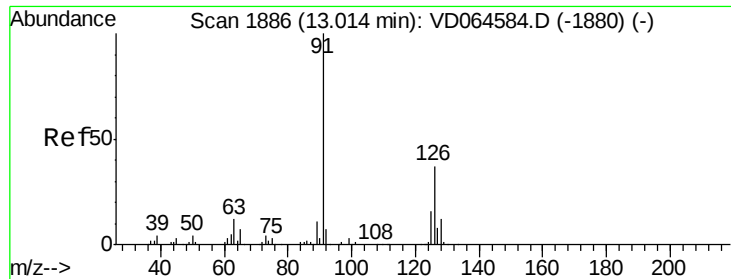
Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.1 38.3 57.5#





#82
 4-Chlorotoluene
 Concen: 1.120 ug/l
 RT: 13.06 min Scan# 1893
 Delta R.T. 0.04 min
 Lab File: VD064646.D
 Acq: 27 Dec 2019 15:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)

Tgt Ion: 91 Resp: 14008
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.8 53.5#

