

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064568.D
 Acq On : 23 Dec 2019 15:05
 Operator : VA/SY
 Sample : K6396-06
 Misc : 4.68G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(8-10)

Quant Time: Dec 24 05:54:34 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	7.99	168	227414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	380148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	201432	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	123469	59.98	ug/l	0.00
Spiked Amount			Recovery	=	119.96%	
35) Dibromofluoromethane	7.91	113	116333	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
50) Toluene-d8	10.34	98	433629	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.64	95	174275	64.26	ug/l	0.00
Spiked Amount			Recovery	=	128.52%	

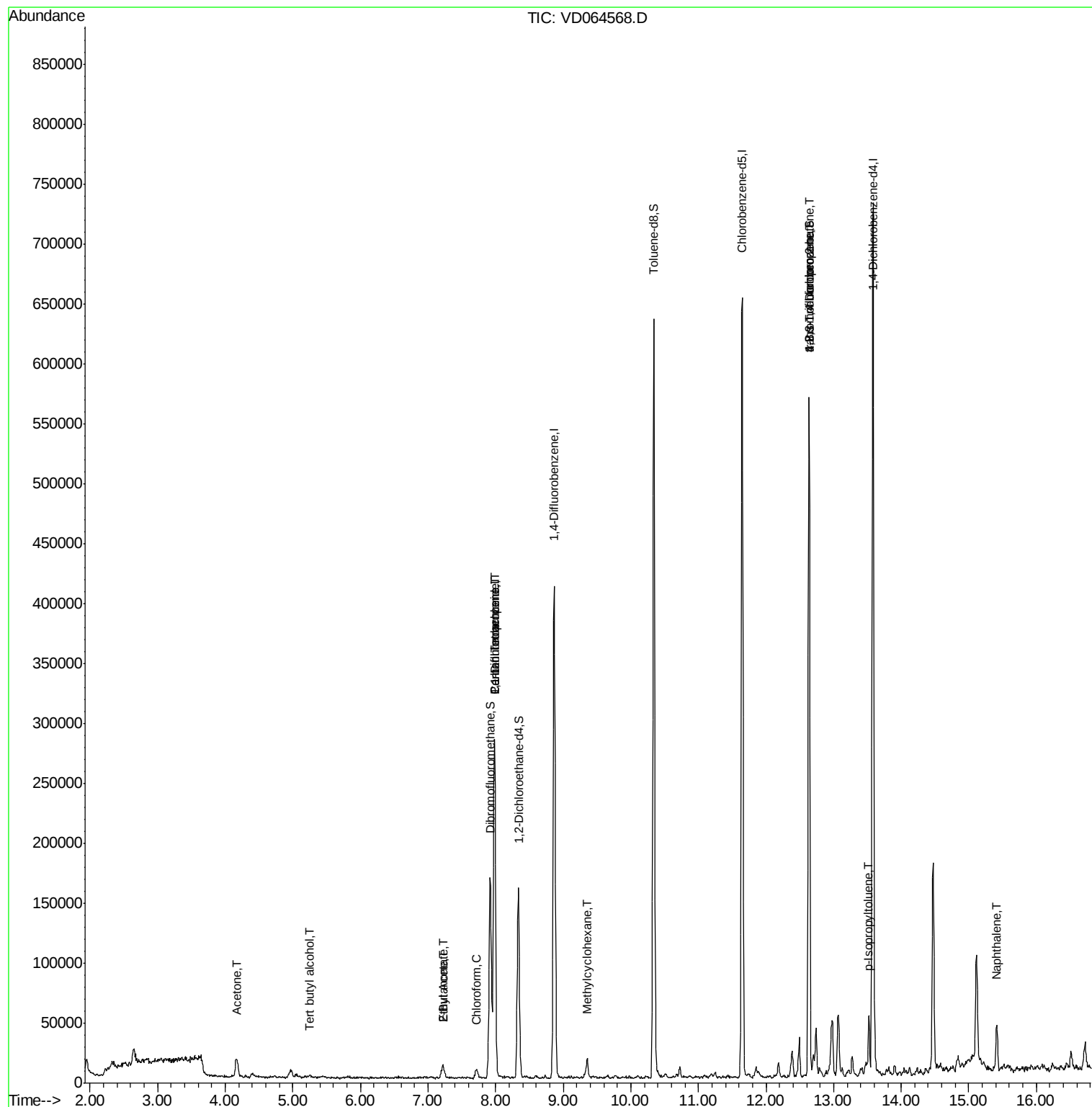
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	1084	8.273	ug/l #	100
16) Acetone	4.17	43	29023	69.772	ug/l	94
20) Methylene Chloride	4.97	84	4686	Below Cal	#	88
25) 2-Butanone	7.23	43	6999	11.898	ug/l #	85
30) Chloroform	7.72	83	6948	1.766	ug/l	96
31) Cyclohexane	7.99	56	5669	Below Cal	#	53
36) 1,1-Dichloropropene	7.99	75	15607	4.641	ug/l #	49
37) Ethyl Acetate	7.23	43	6999	4.905	ug/l #	73
38) Carbon Tetrachloride	7.99	117	21549	6.071	ug/l #	15
39) Methylcyclohexane	9.35	83	5790	1.388	ug/l #	86
76) 1,2,3-Trichloropropane	12.64	75	92369	55.761	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	92369	121.588	ug/l #	9
86) p-Isopropyltoluene	13.53	119	26715	2.003	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.53	75	72	Below Cal	#	1
95) Naphthalene	15.41	128	32600	4.395	ug/l	97

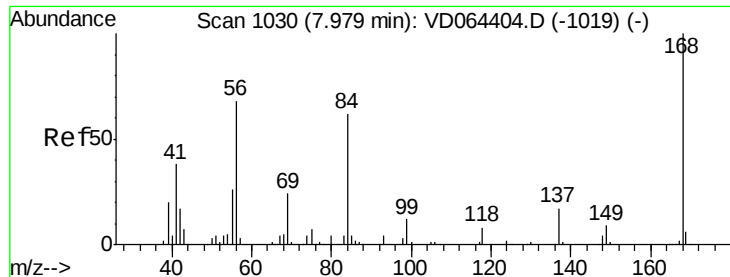
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122319\
Data File : VD064568.D
Acq On : 23 Dec 2019 15:05
Operator : VA/SY
Sample : K6396-06
Misc : 4.68G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8-10)

Quant Time: Dec 24 05:54:34 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: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

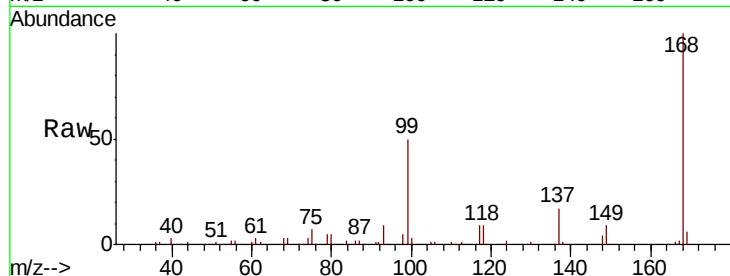
SB-2-(8-10)

Tot Ion:168 Resp: 227414

Ion Ratio Lower Upper

168 100

99 49.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

100000

80000

60000

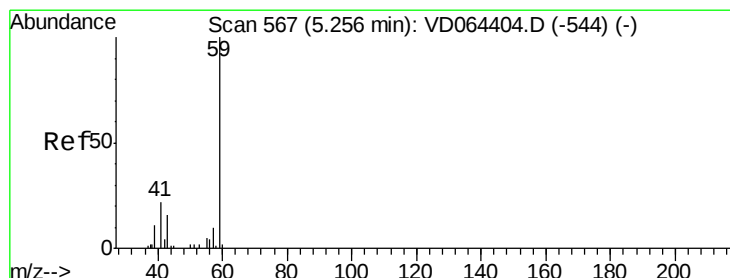
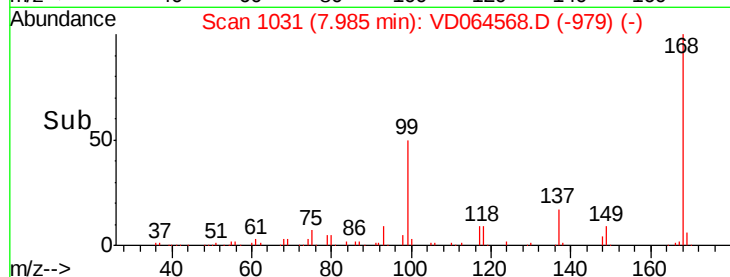
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 8.273 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD064568.D

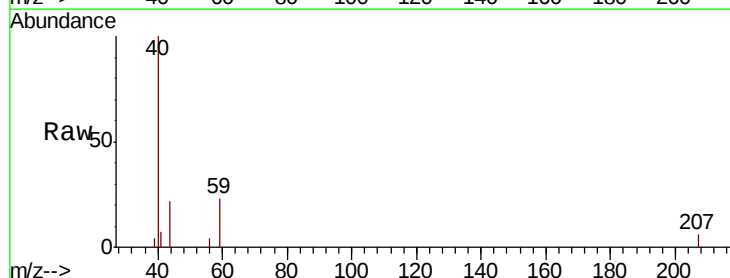
Acq: 23 Dec 2019 15:05

Tgt Ion: 59 Resp: 1084

Ion Ratio Lower Upper

59 100

57 10.9 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

1200

1000

800

600

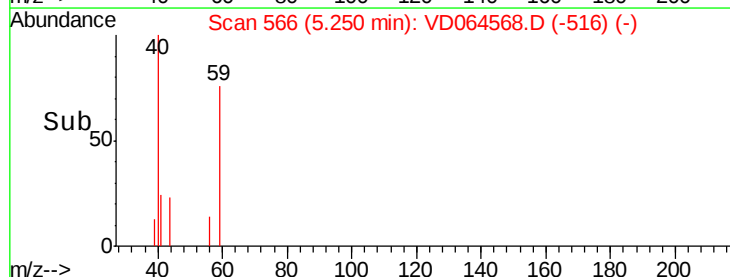
400

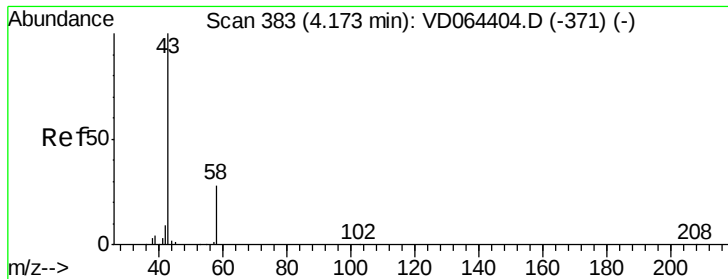
200

0

Time-->

5.20 5.25





#16

Acetone

Concen: 69.772 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

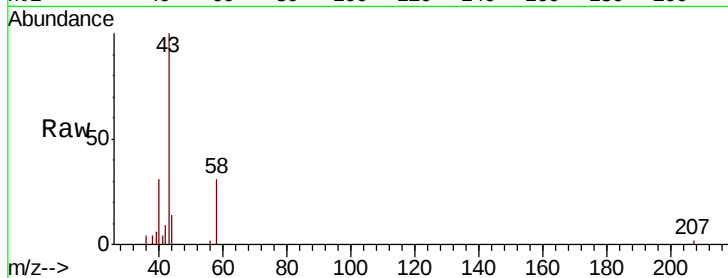
SB-2-(8-10)

Tot Ion: 43 Resp: 29023

Ion Ratio Lower Upper

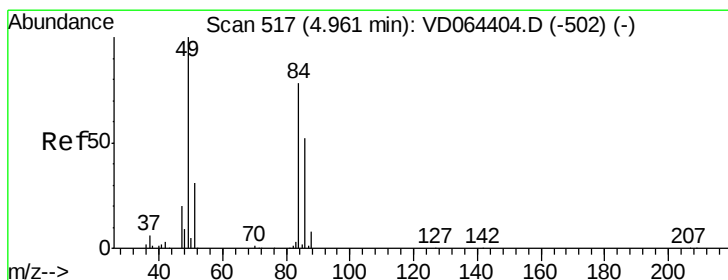
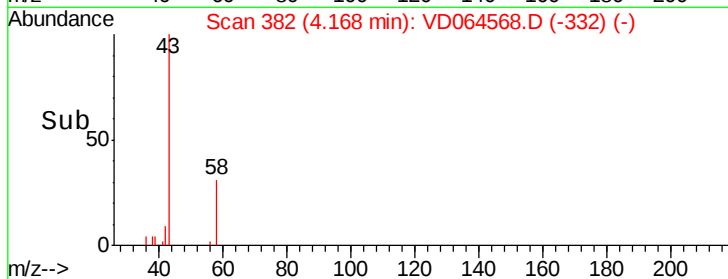
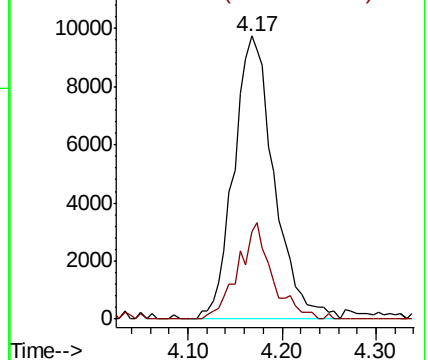
43 100

58 31.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Tgt Ion: 84 Resp: 4686

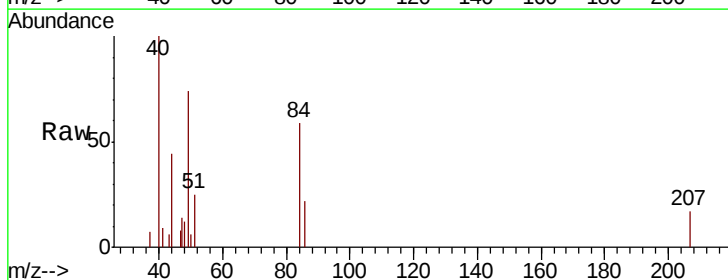
Ion Ratio Lower Upper

84 100

49 126.6 102.6 153.8

51 43.3 32.0 48.0

86 36.8 53.4 80.0#

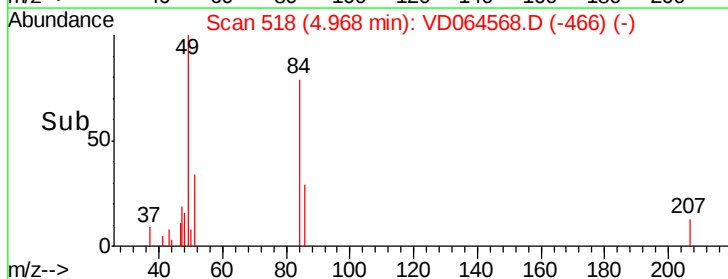
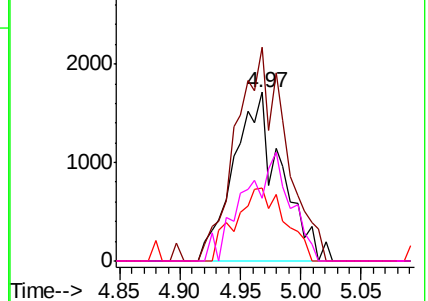


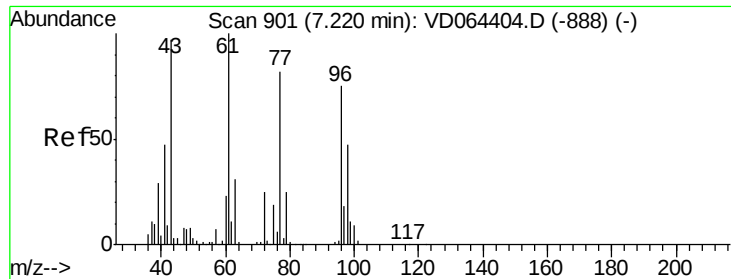
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

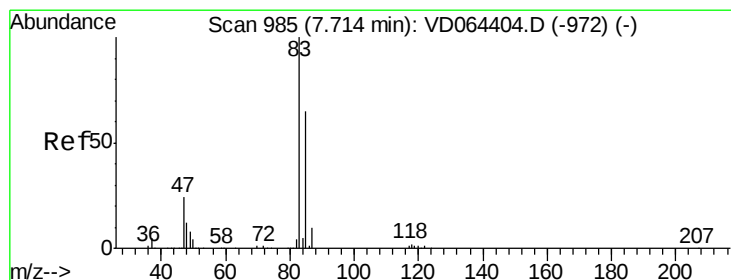
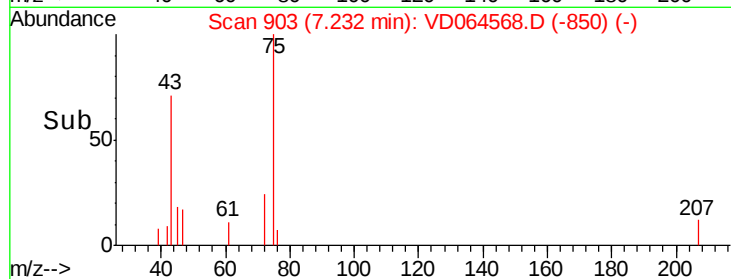
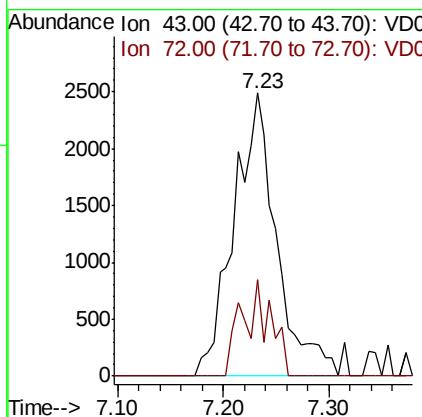
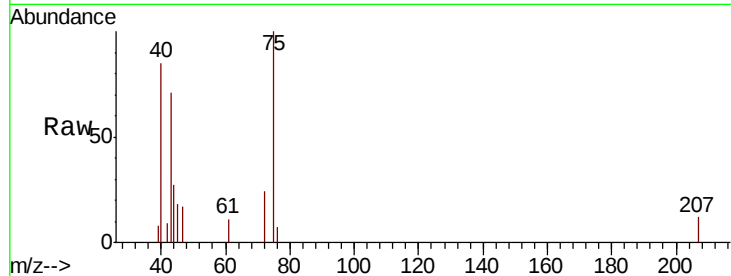




#25
2-Butanone
Concen: 11.898 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064568.D
Acq: 23 Dec 2019 15:05

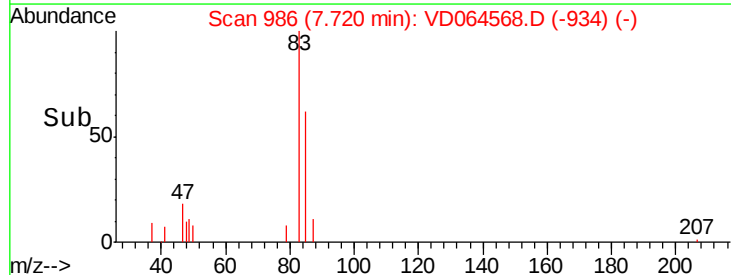
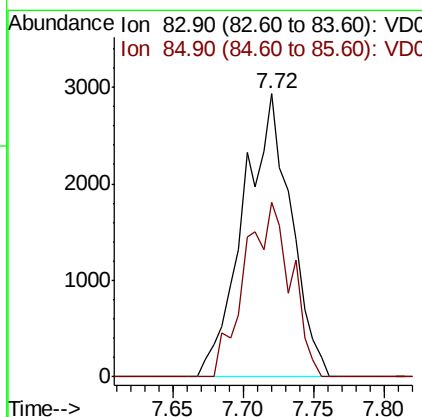
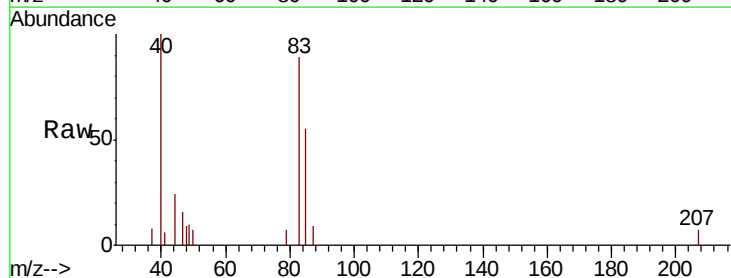
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8-10)

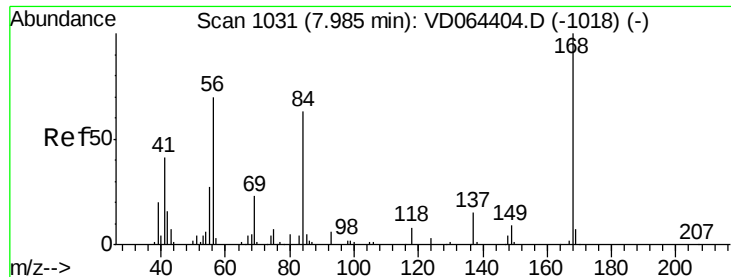
Tot Ion: 43 Resp: 6999
Ion Ratio Lower Upper
43 100
72 34.1 21.0 31.4#



#30
Chloroform
Concen: 1.766 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064568.D
Acq: 23 Dec 2019 15:05

Tgt Ion: 83 Resp: 6948
Ion Ratio Lower Upper
83 100
85 61.5 51.8 77.6

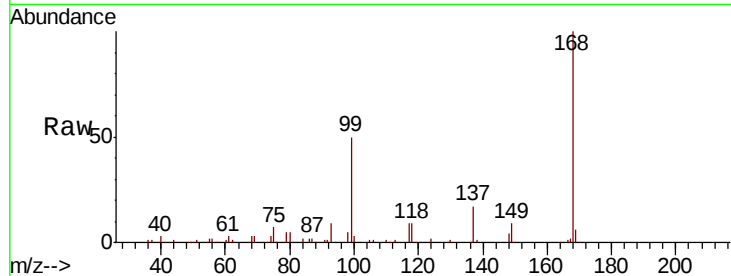




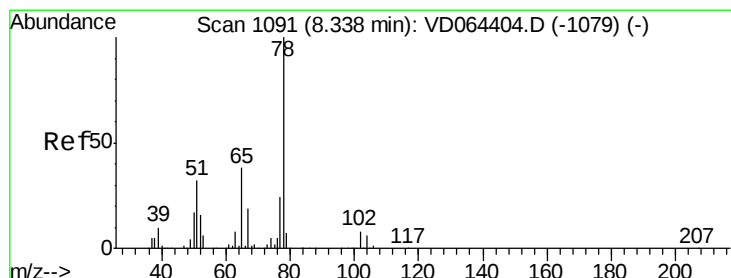
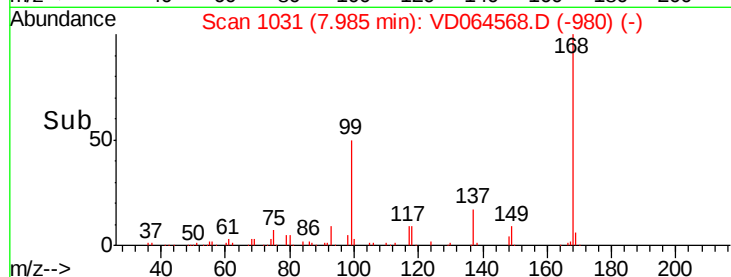
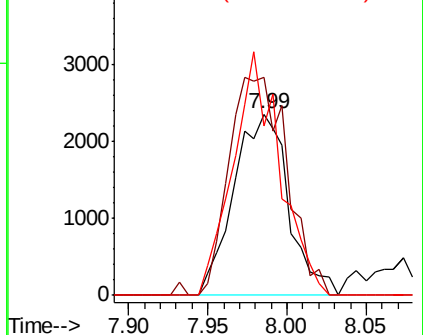
#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064568.D
Acq: 23 Dec 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8-10)

Tot Ion: 56 Resp: 5669
Ion Ratio Lower Upper
56 100
69 120.2 26.2 39.4#
84 93.7 70.3 105.5

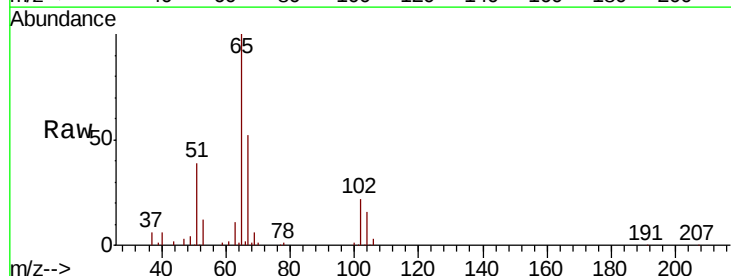


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

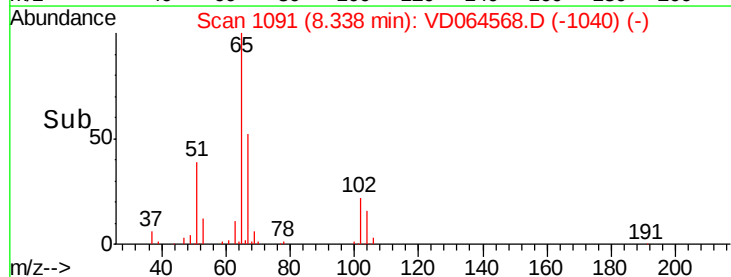
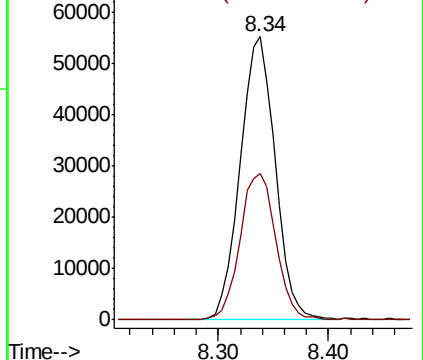


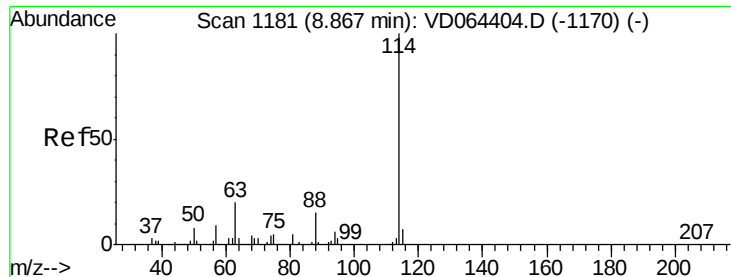
#33
1,2-Dichloroethane-d4
Concen: 59.982 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064568.D
Acq: 23 Dec 2019 15:05

Tgt Ion: 65 Resp: 123469
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.0



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

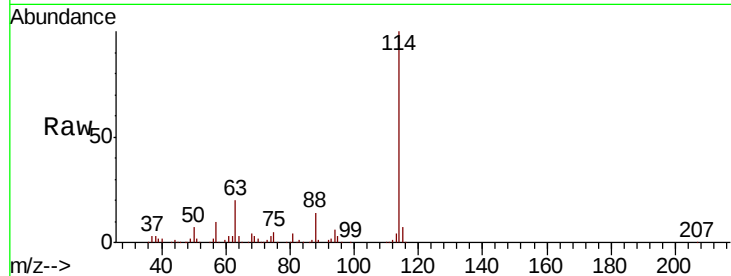




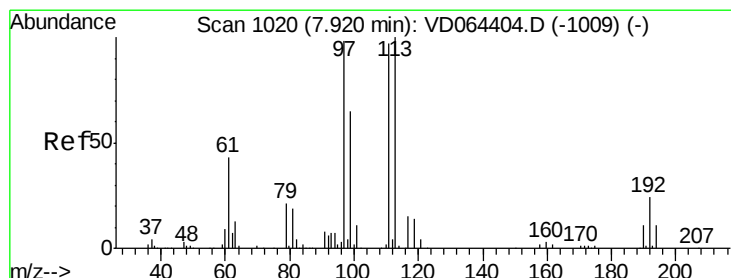
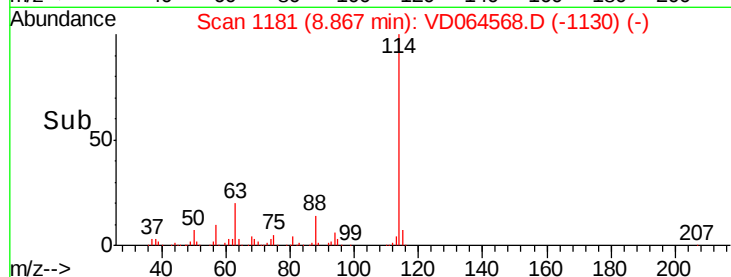
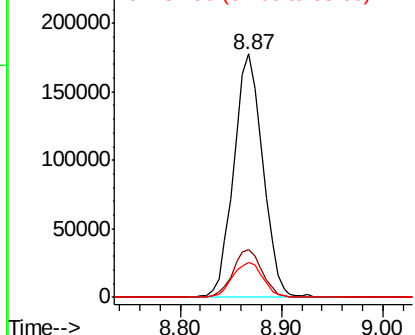
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064568.D
 Acq: 23 Dec 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	14.4	0.0	29.2

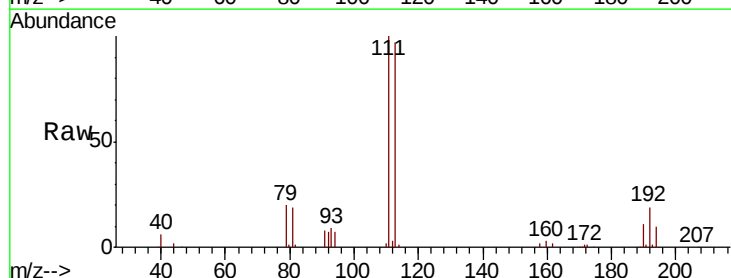


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

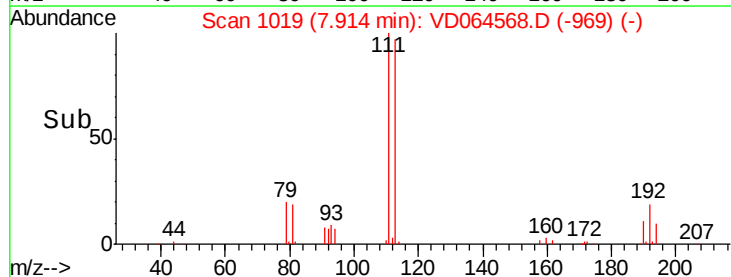
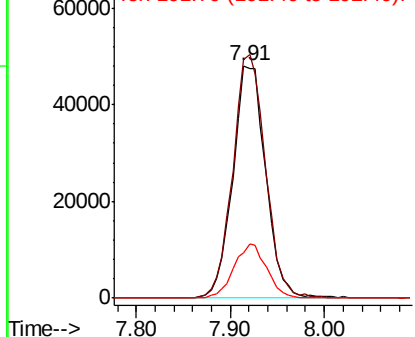


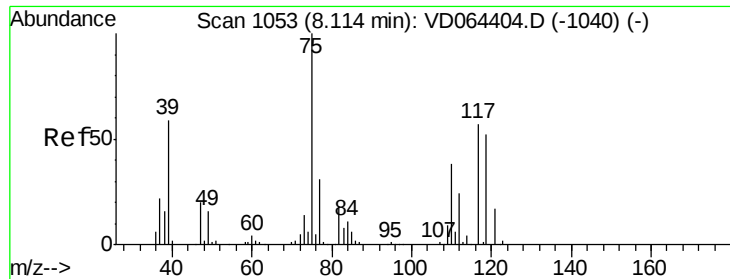
#35
 Dibromofluoromethane
 Concen: 51.929 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064568.D
 Acq: 23 Dec 2019 15:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	79.4	119.2
192	23.1	18.6	28.0



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: 4.641 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(8-10)

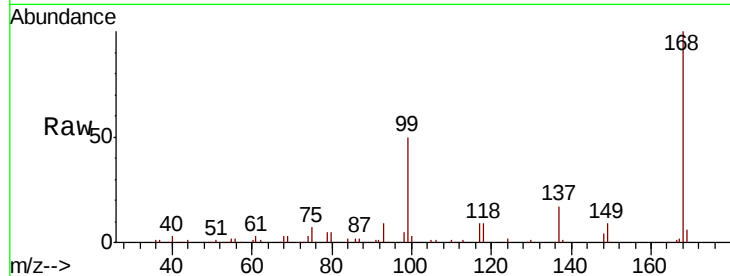
Tot Ion: 75 Resp: 15607

Ion Ratio Lower Upper

75 100

110 9.7 18.6 55.8#

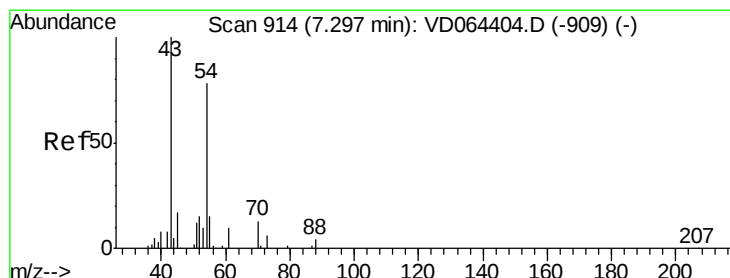
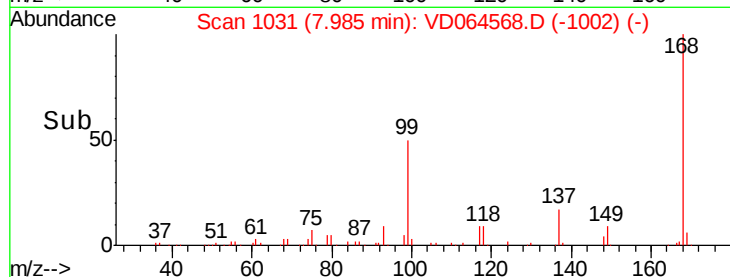
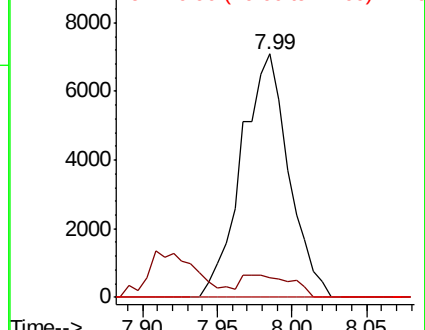
77 0.0 25.0 37.4#



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



#37

Ethyl Acetate

Concen: 4.905 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.06 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

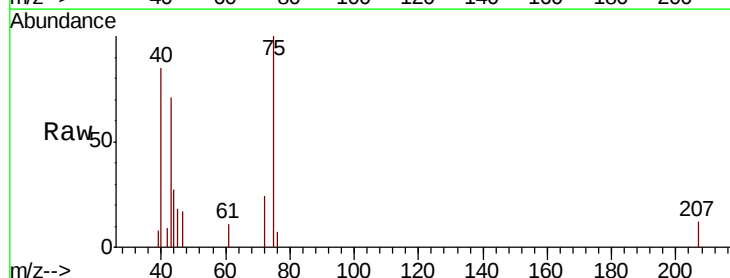
Tgt Ion: 43 Resp: 6999

Ion Ratio Lower Upper

43 100

61 2.9 10.9 16.3#

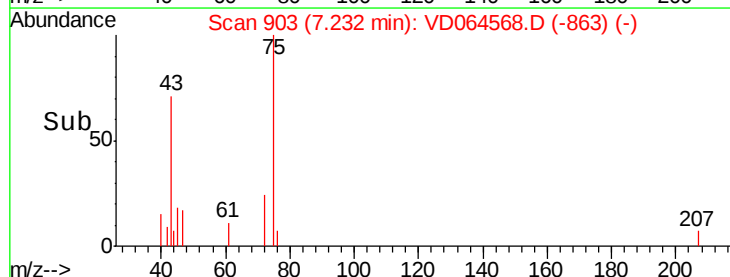
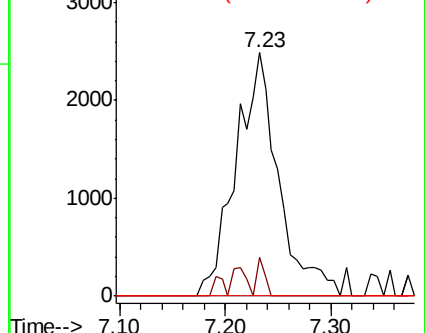
70 0.0 8.3 12.5#

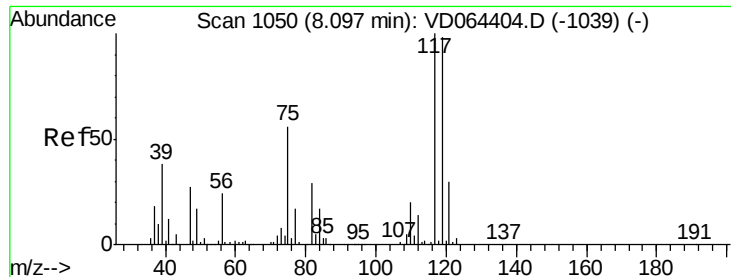


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.071 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(8-10)

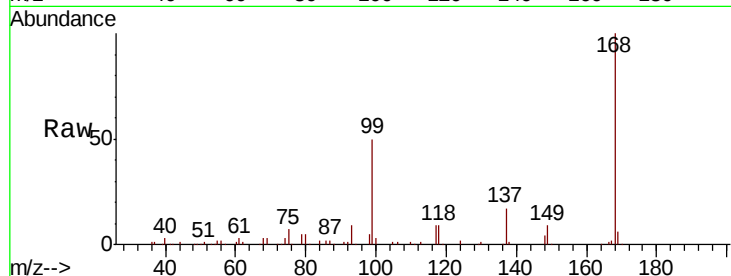
Tot Ion:117 Resp: 21549

Ion Ratio Lower Upper

117 100

119 4.7 78.8 118.2#

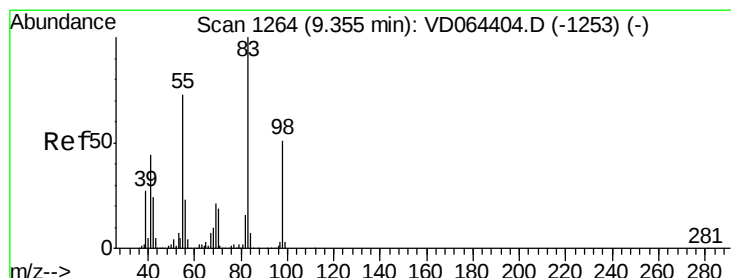
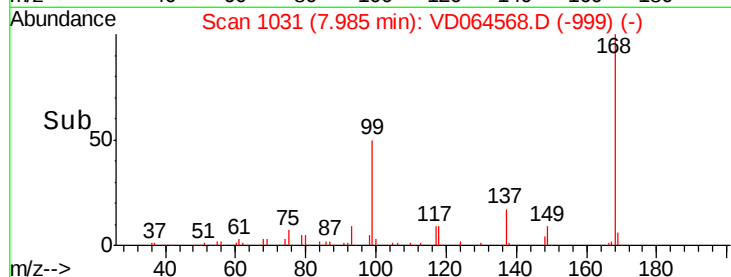
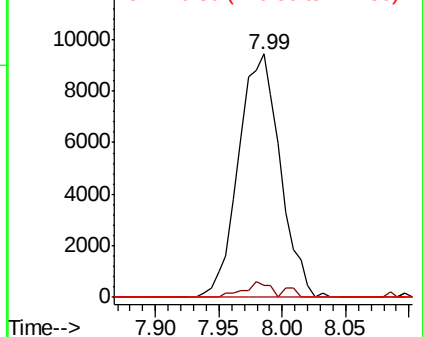
121 0.0 24.2 36.2#



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



#39

Methylcyclohexane

Concen: 1.388 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

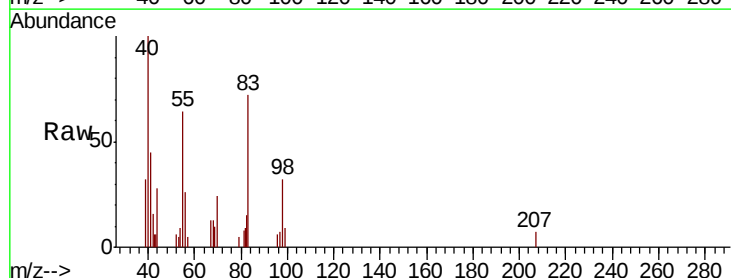
Tgt Ion: 83 Resp: 5790

Ion Ratio Lower Upper

83 100

55 88.0 58.6 87.8#

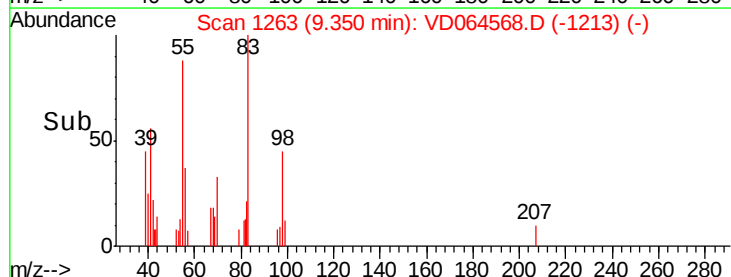
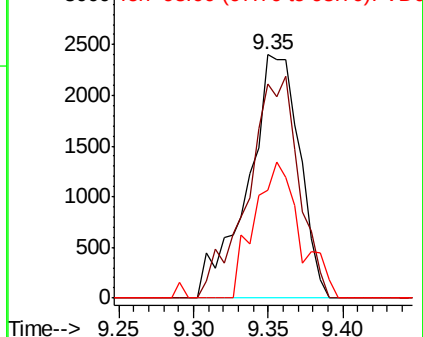
98 44.5 40.9 61.3

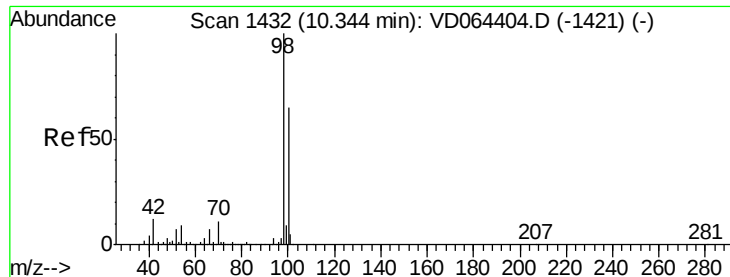


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#50

Toluene-d8

Concen: 51.386 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampled :

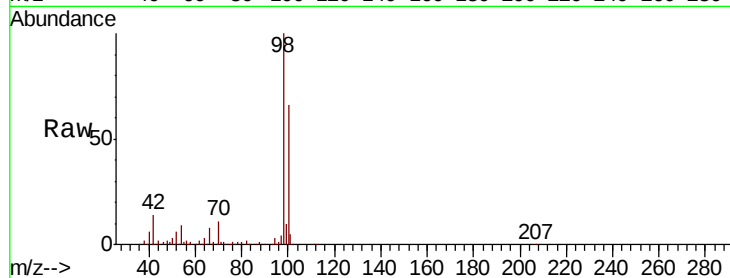
SB-2-(8-10)

Tot Ion: 98 Resp: 433629

Ion Ratio Lower Upper

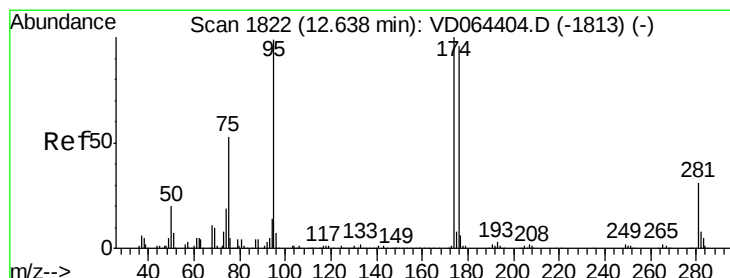
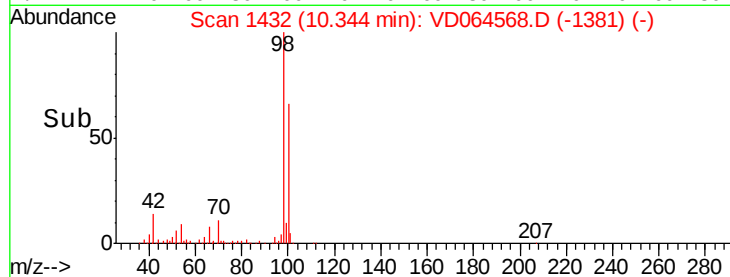
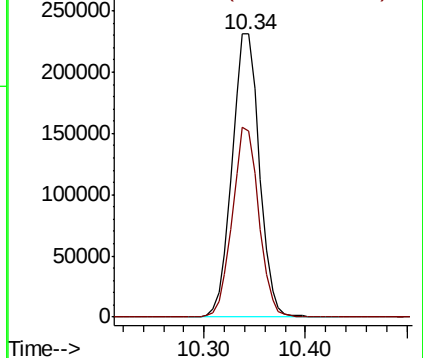
98 100

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: 64.262 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

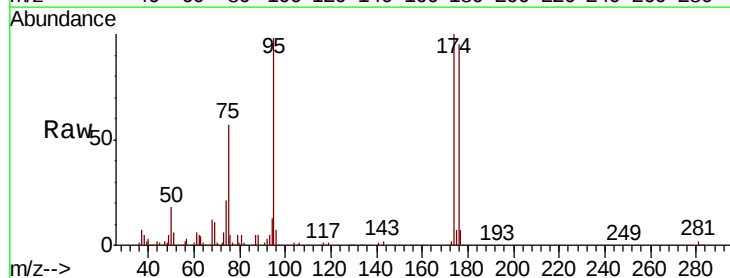
Tgt Ion: 95 Resp: 174275

Ion Ratio Lower Upper

95 100

174 94.0 0.0 197.2

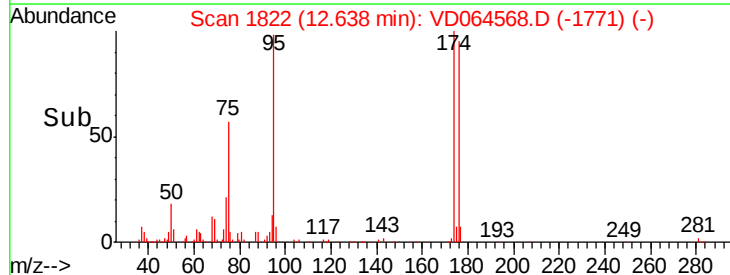
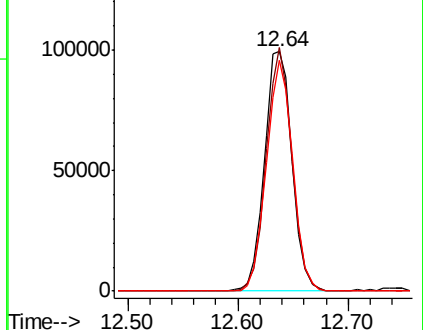
176 91.4 0.0 189.6

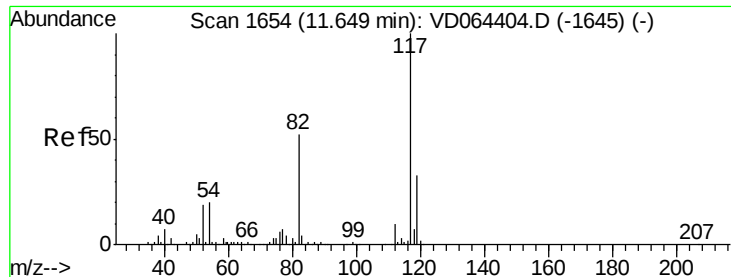


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

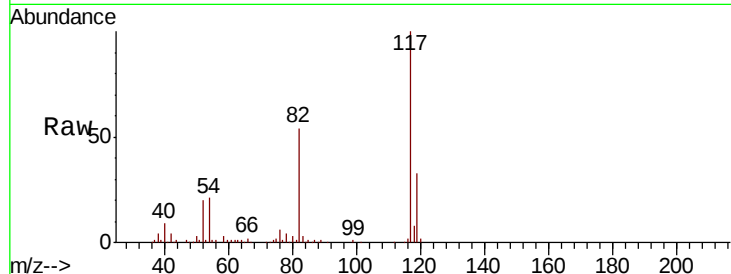




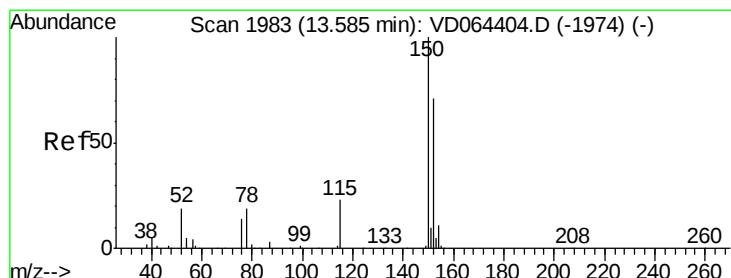
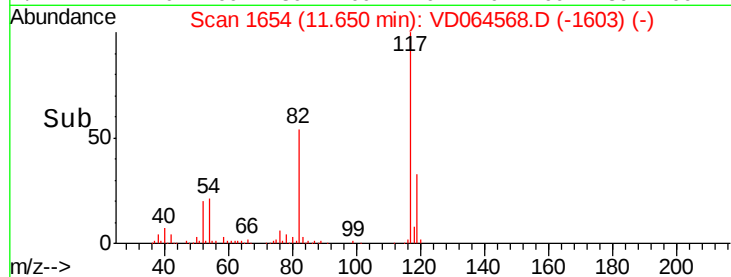
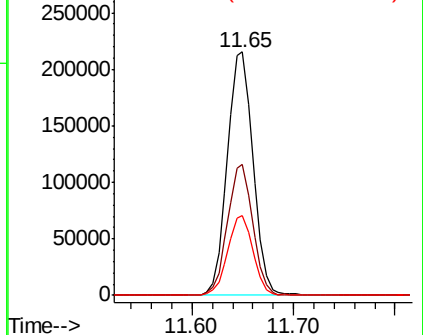
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064568.D
Acq: 23 Dec 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8-10)

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.4	62.2
119	32.5	26.2	39.2

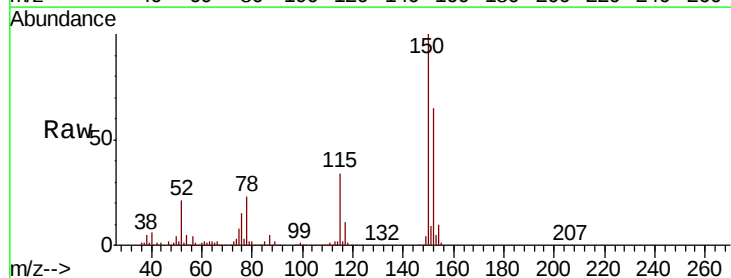


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

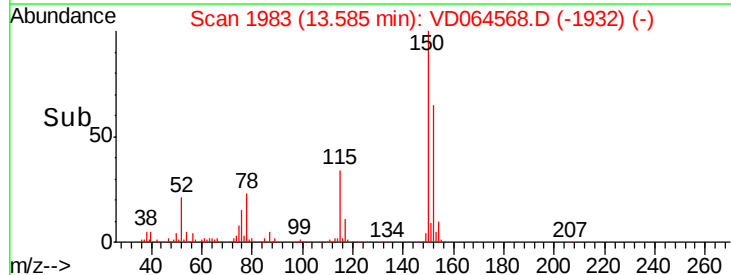
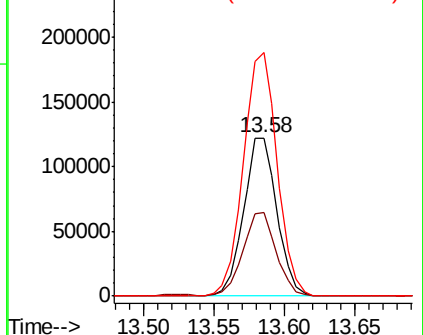


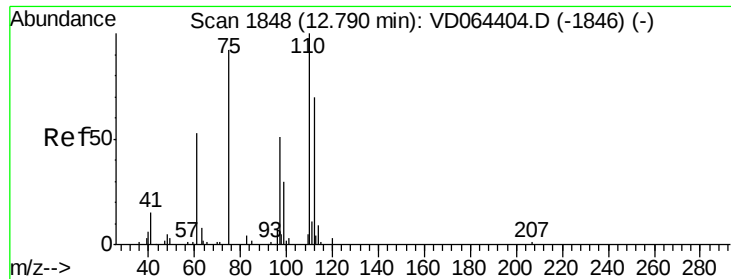
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064568.D
Acq: 23 Dec 2019 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	26.7	80.1
150	155.9	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: 55.761 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

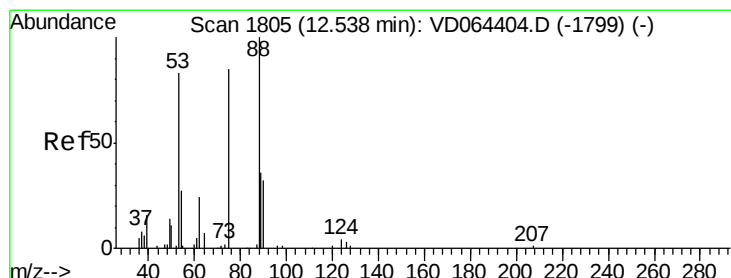
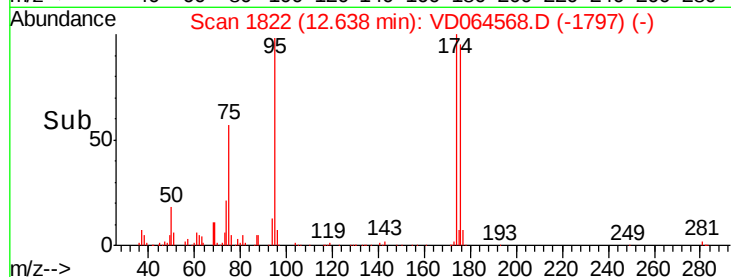
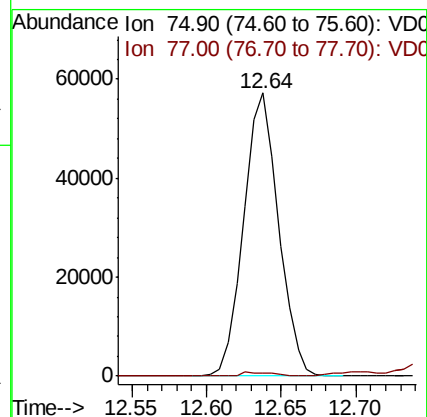
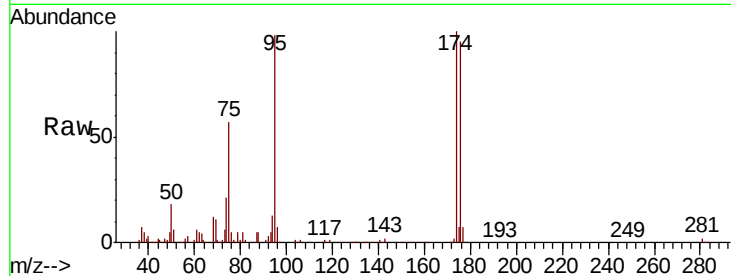
SB-2-(8-10)

Tot Ion: 75 Resp: 92369

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.588 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

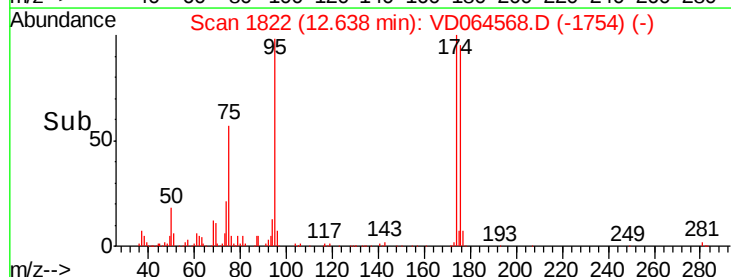
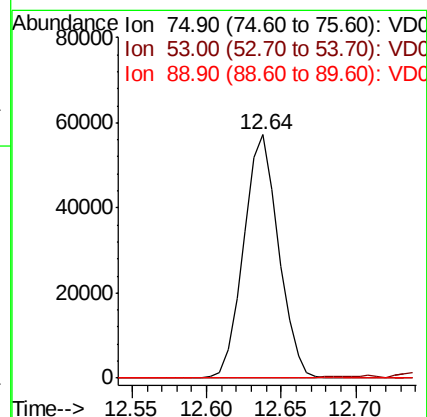
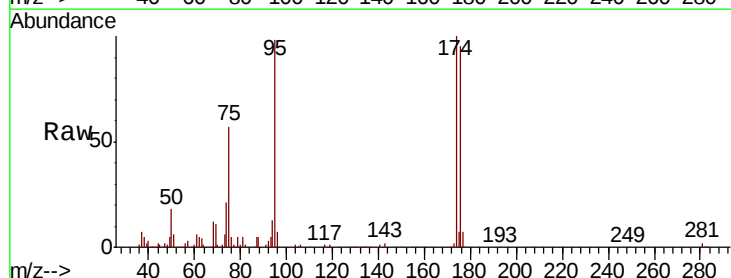
Tgt Ion: 75 Resp: 92369

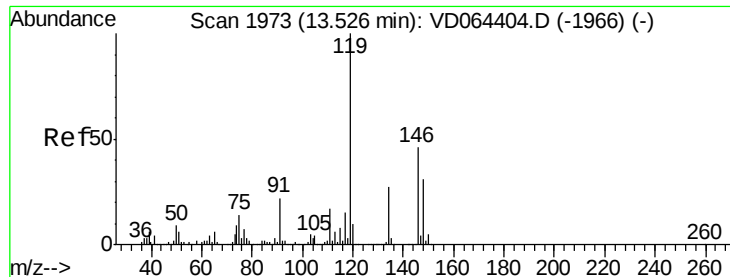
Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.0 38.5 57.7#





#86

p-Isopropyltoluene

Concen: 2.003 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(8-10)

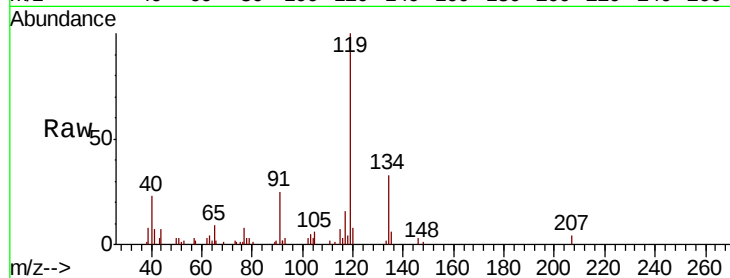
Tot Ion:119 Resp: 26715

Ion Ratio Lower Upper

119 100

134 30.5 13.5 40.4

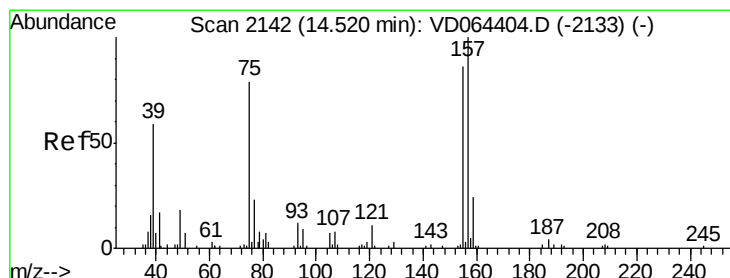
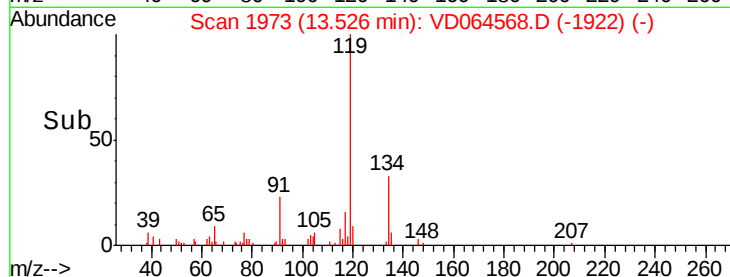
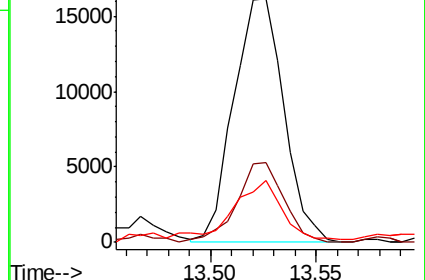
91 26.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

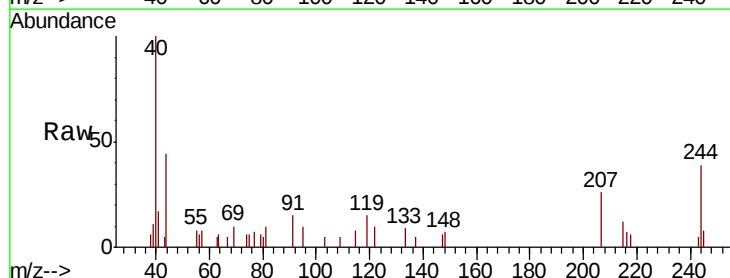
Tgt Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

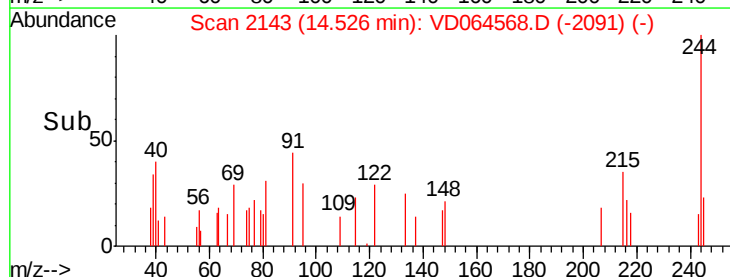
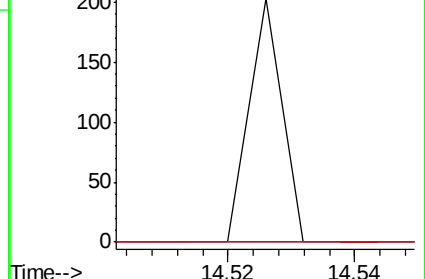
157 0.0 63.2 189.8#

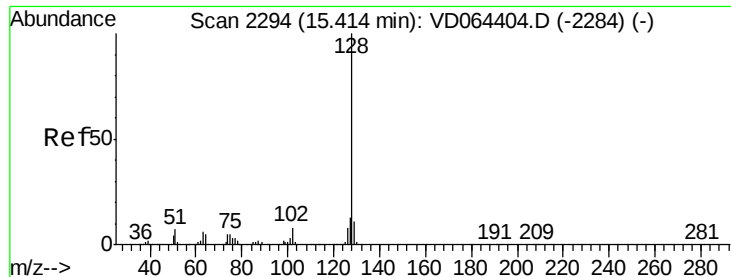


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.395 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064568.D

Acq: 23 Dec 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(8-10)

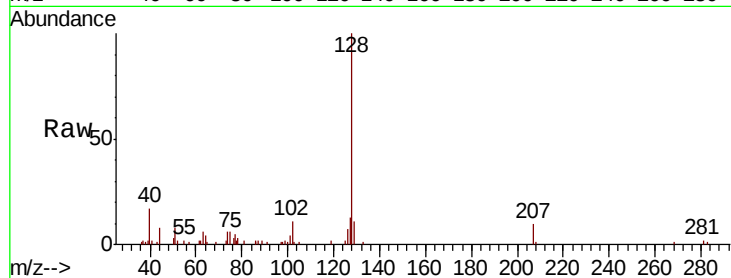
Tot Ion:128 Resp: 32600

Ion Ratio Lower Upper

128 100

127 14.3 10.5 15.7

129 11.8 8.8 13.2



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

