

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064570.D
 Acq On : 23 Dec 2019 16:03
 Operator : VA/SY
 Sample : K6396-08
 Misc : 5.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(3-4)

Quant Time: Dec 24 05:54:55 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	120745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	189613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	201472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	102070	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	65591	60.01	ug/l	0.00
Spiked Amount			Recovery	=	120.02%	
35) Dibromofluoromethane	7.92	113	60121	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.34	98	230155	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.64	95	88256	61.03	ug/l	0.00
Spiked Amount			Recovery	=	122.06%	

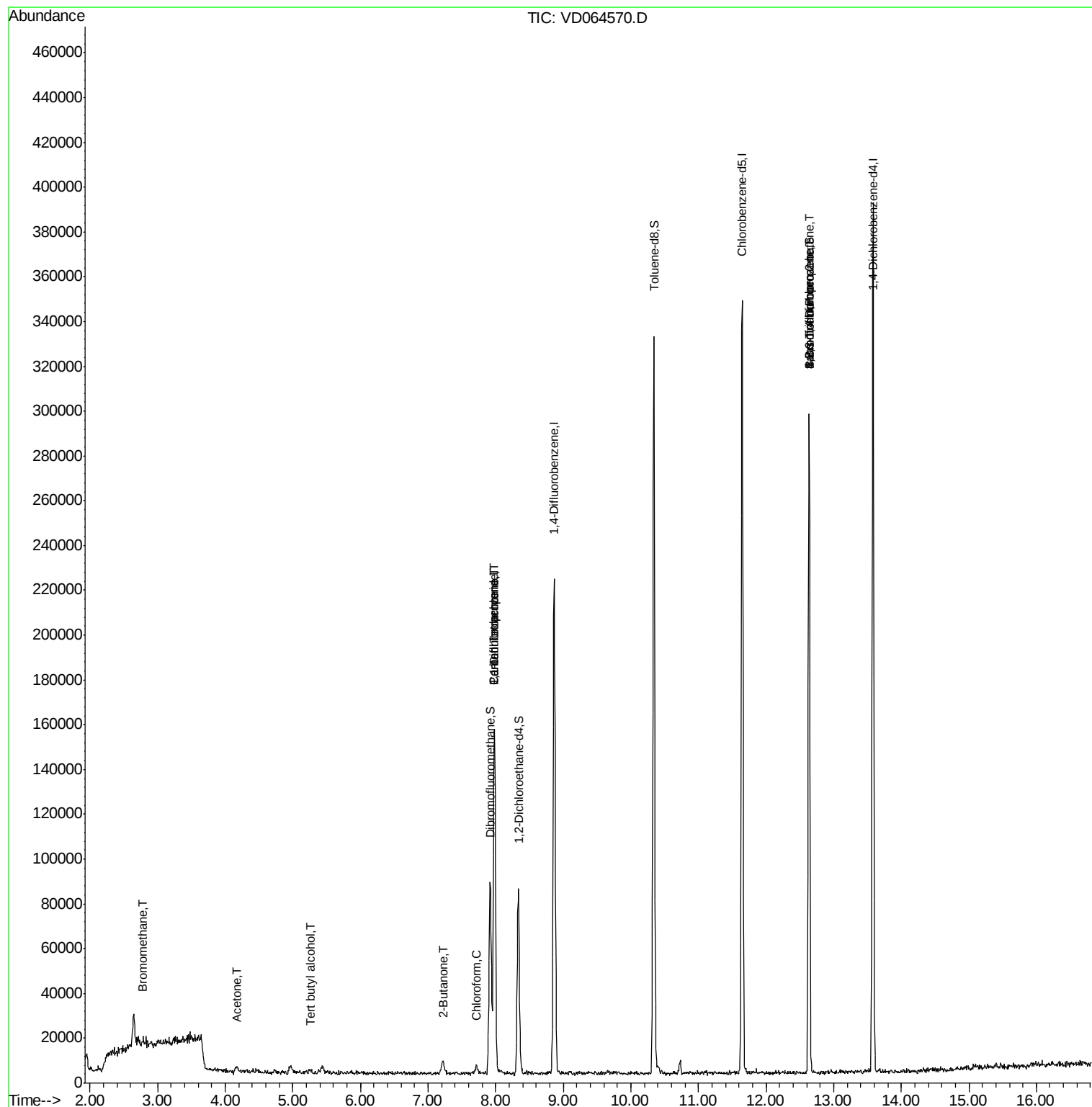
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	1600	1.358	ug/l #	30
11) Tert butyl alcohol	5.26	59	141	2.027	ug/l #	100
16) Acetone	4.17	43	5023	22.743	ug/l	100
20) Methylene Chloride	4.96	84	2345	Below Cal	#	68
25) 2-Butanone	7.23	43	755	2.417	ug/l #	49
30) Chloroform	7.71	83	3407	1.631	ug/l	89
31) Cyclohexane	7.97	56	2868	Below Cal	#	64
36) 1,1-Dichloropropene	7.98	75	8144	4.541	ug/l #	42
38) Carbon Tetrachloride	7.98	117	11560	6.107	ug/l #	15
71) Bromoform	12.63	173	1334	1.433	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	46367	55.239	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	46367	120.450	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.57	75	59	Below Cal	#	1

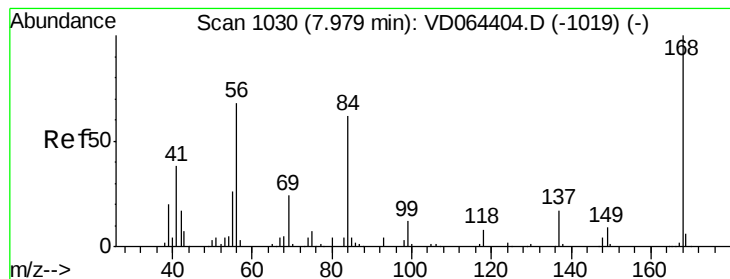
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122319\
Data File : VD064570.D
Acq On : 23 Dec 2019 16:03
Operator : VA/SY
Sample : K6396-08
Misc : 5.17G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-3-(3-4)

Quant Time: Dec 24 05:54:55 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# 1031

Delta R.T. 0.01 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

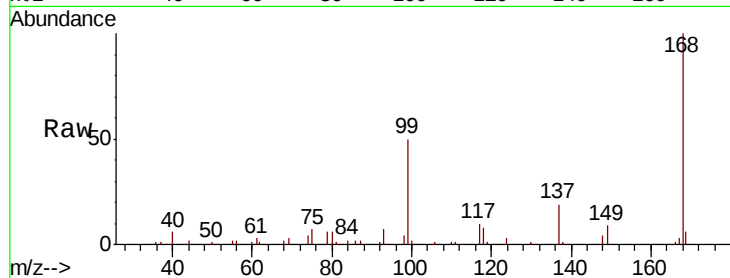
SB-3-(3-4)

Tot Ion:168 Resp: 120745

Ion Ratio Lower Upper

168 100

99 50.2 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

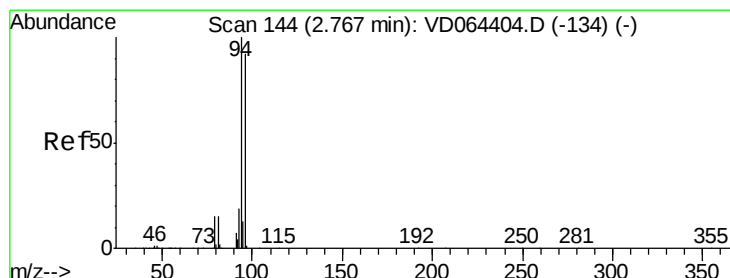
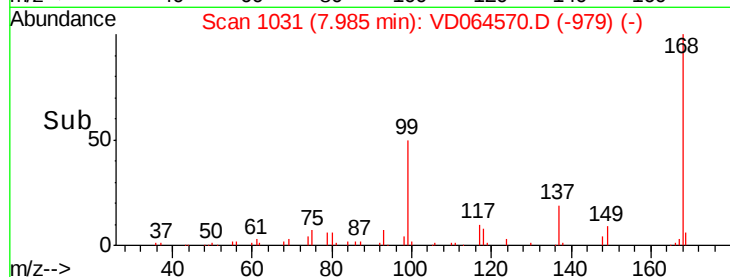
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: 1.358 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD064570.D

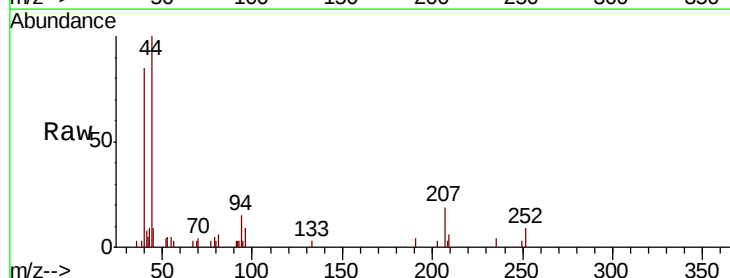
Acq: 23 Dec 2019 16:03

Tgt Ion: 94 Resp: 1600

Ion Ratio Lower Upper

94 100

96 24.9 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

1000

800

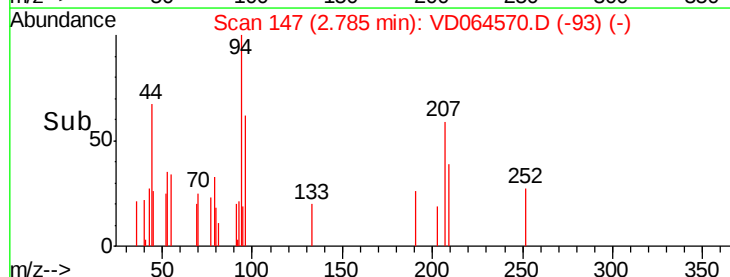
600

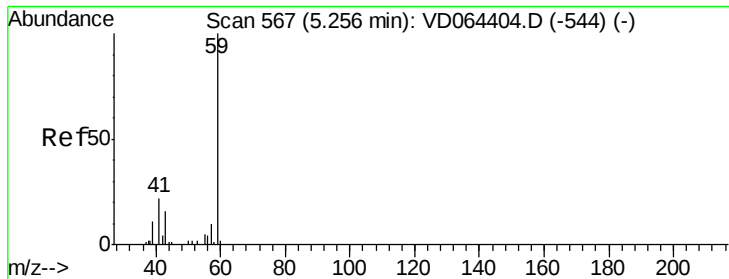
400

200

0

Time-->



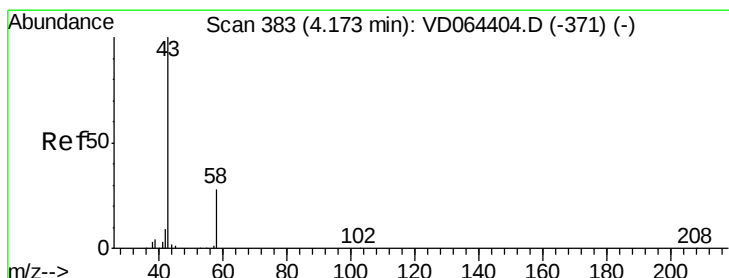
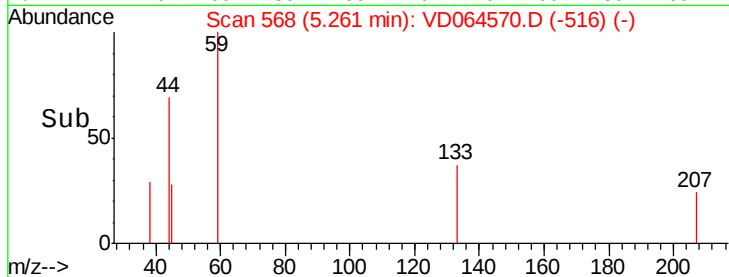
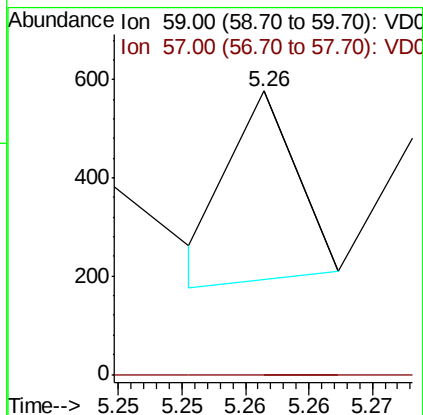
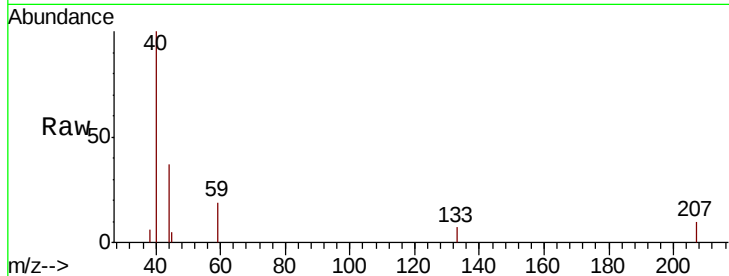


#11

Tert butyl alcohol
 Concen: 2.027 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VD064570.D
 Acq: 23 Dec 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleID :
 SB-3-(3-4)

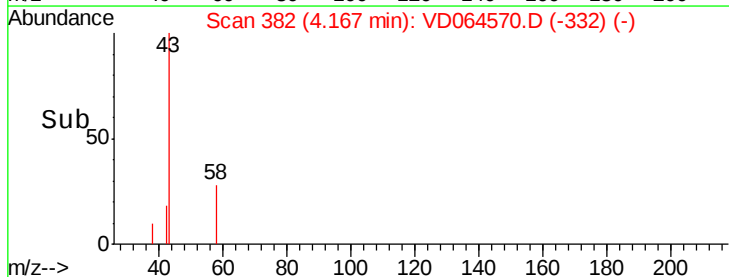
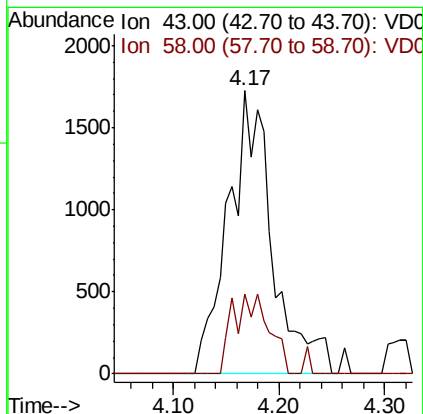
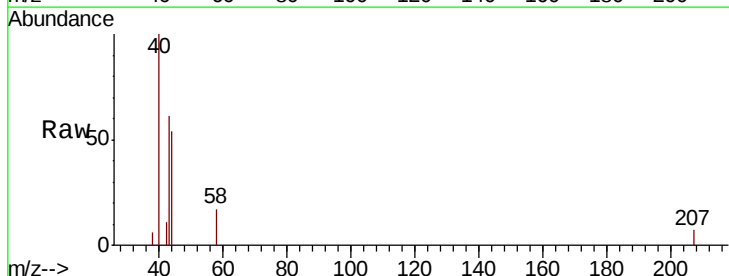
Tot Ion: 59 Resp: 141
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

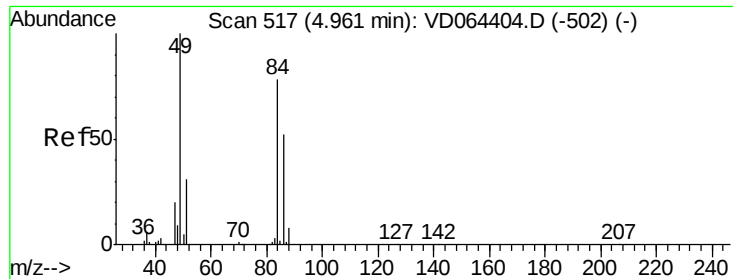


#16

Acetone
 Concen: 22.743 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VD064570.D
 Acq: 23 Dec 2019 16:03

Tgt Ion: 43 Resp: 5023
 Ion Ratio Lower Upper
 43 100
 58 28.0 22.6 33.8

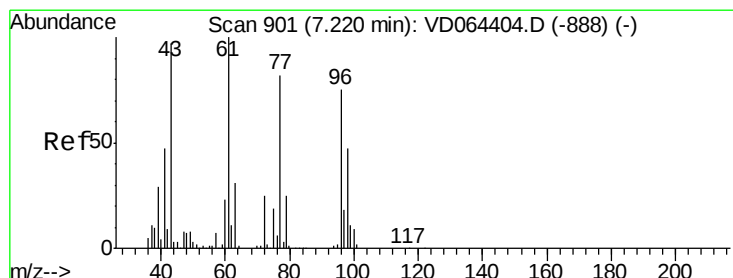
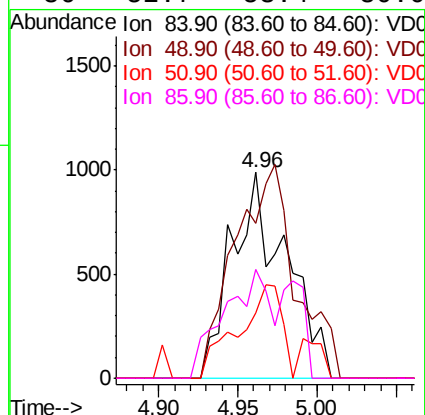
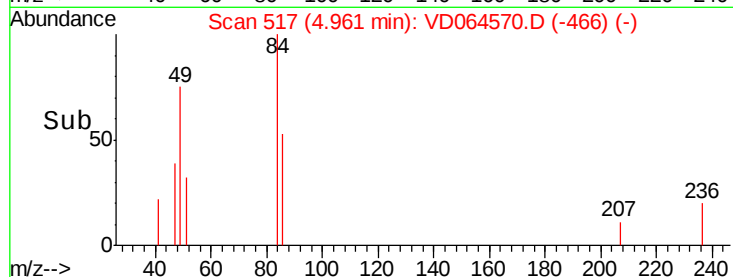
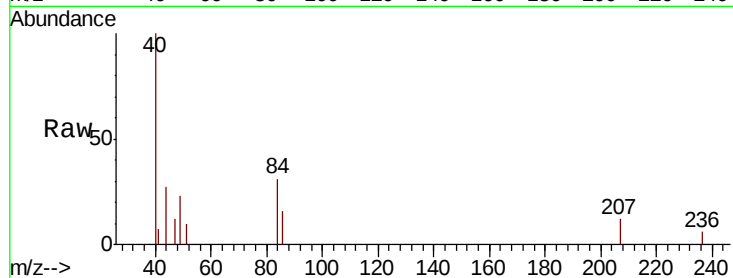




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

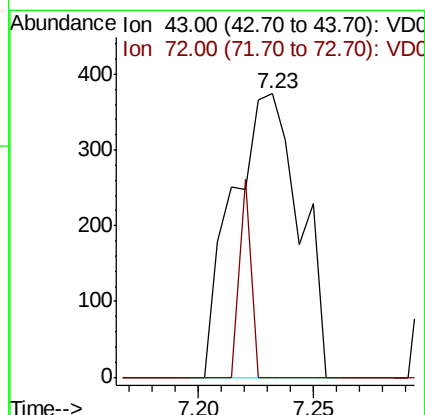
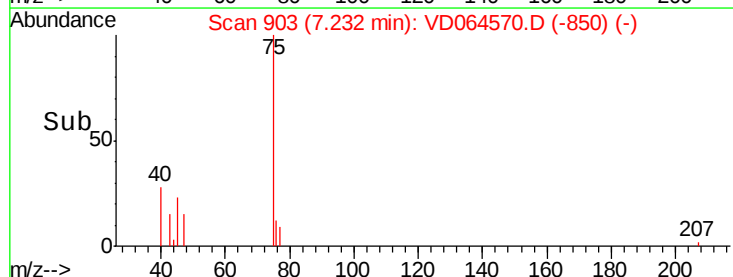
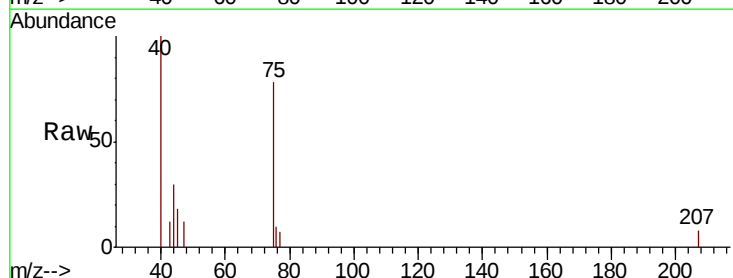
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(3-4)

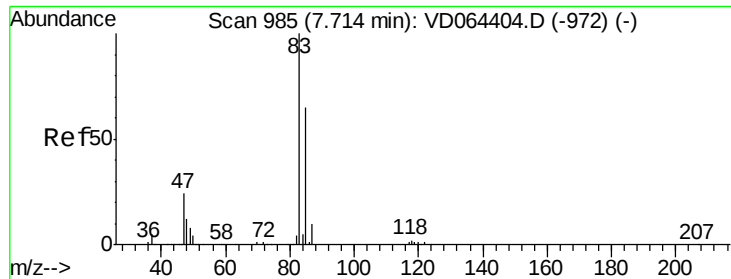
Tot Ion	Ratio	Lower	Upper
84	100		
49	75.3	102.6	153.8#
51	31.5	32.0	48.0#
86	52.7	53.4	80.0#



#25
2-Butanone
Concen: 2.417 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

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

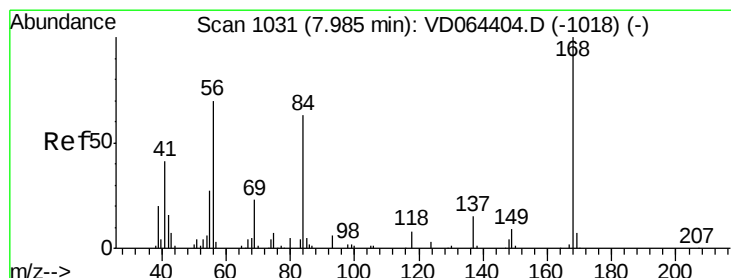
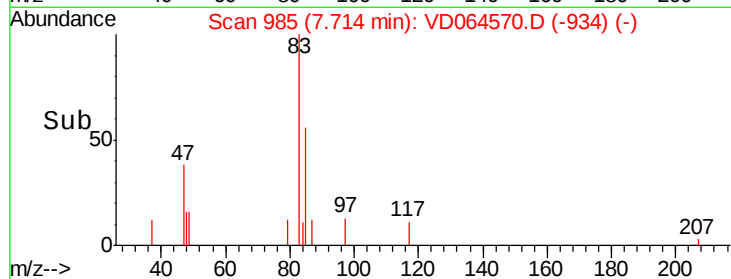
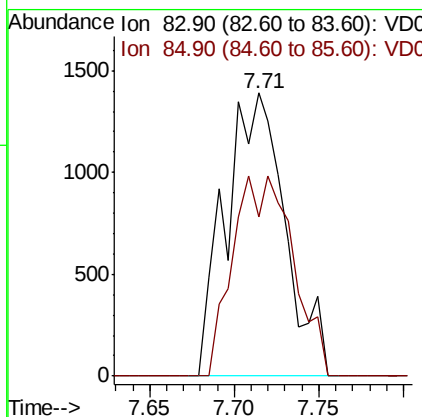
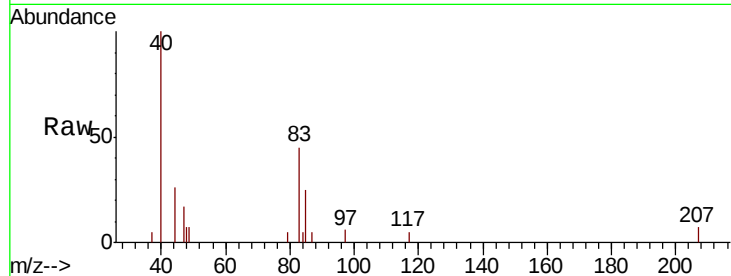




#30
Chloroform
Concen: 1.631 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

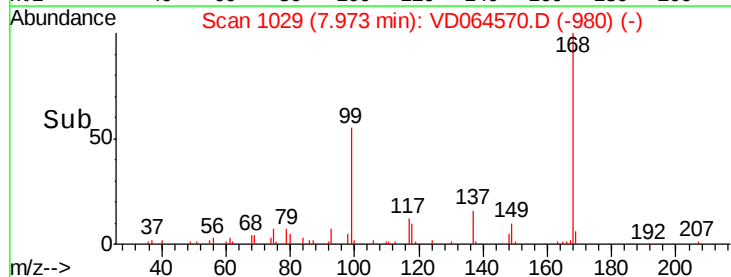
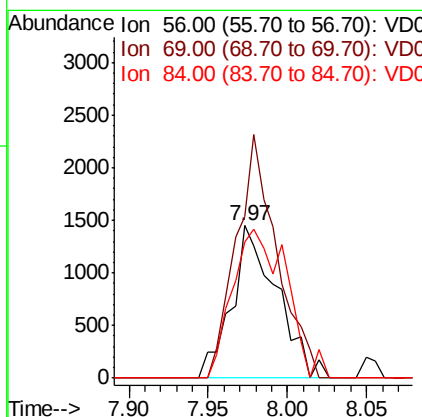
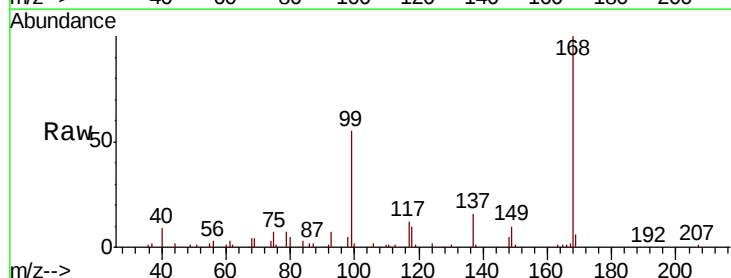
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(3-4)

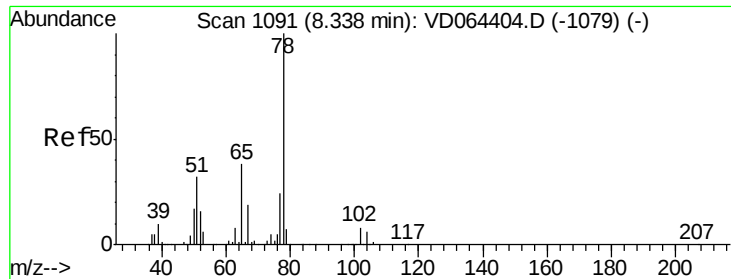
Tot Ion: 83 Resp: 3407
Ion Ratio Lower Upper
83 100
85 56.4 51.8 77.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

Tgt Ion: 56 Resp: 2868
Ion Ratio Lower Upper
56 100
69 106.1 26.2 39.4#
84 89.2 70.3 105.5

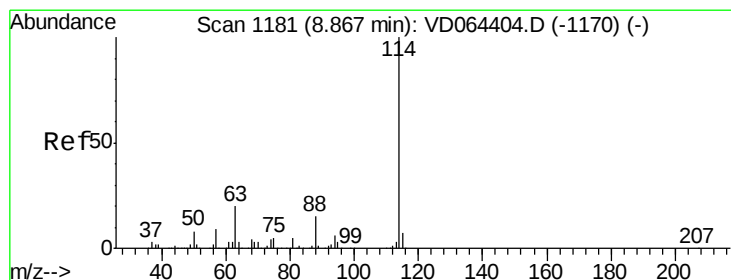
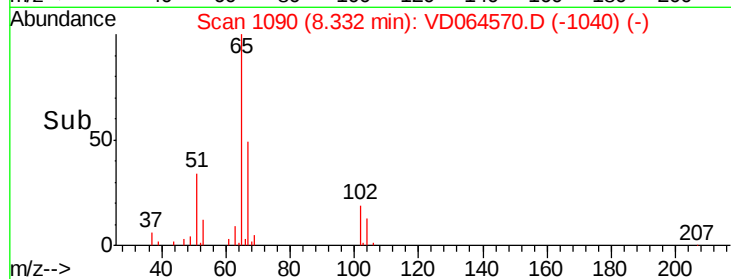
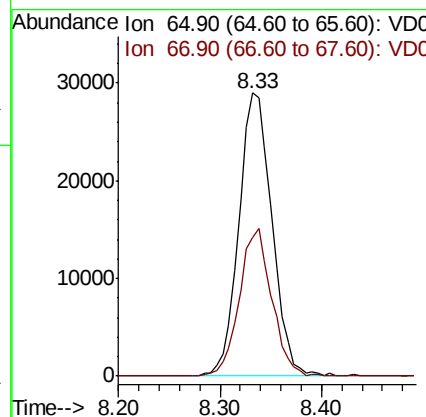
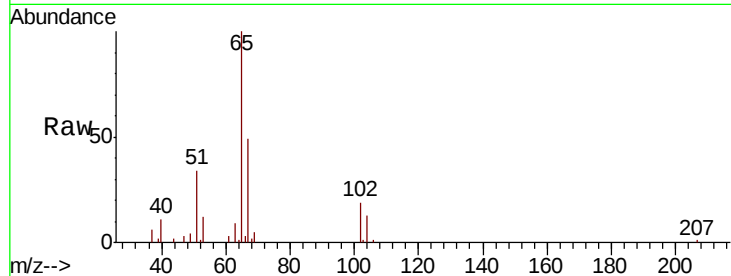




#33
 1,2-Dichloroethane-d4
 Concen: 60.015 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064570.D
 Acq: 23 Dec 2019 16:03

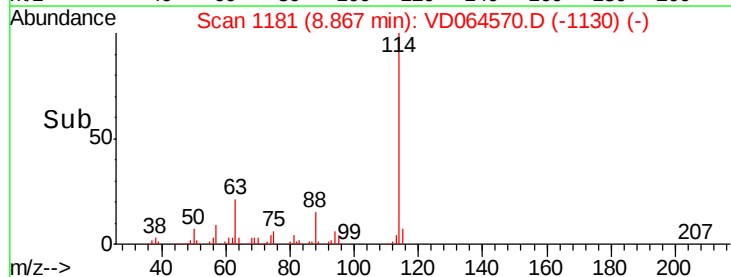
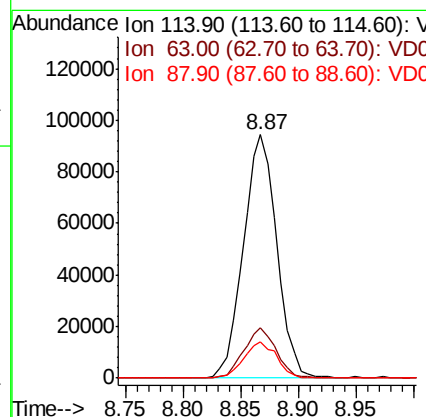
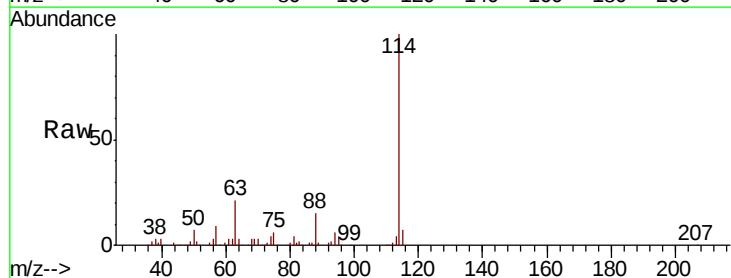
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(3-4)

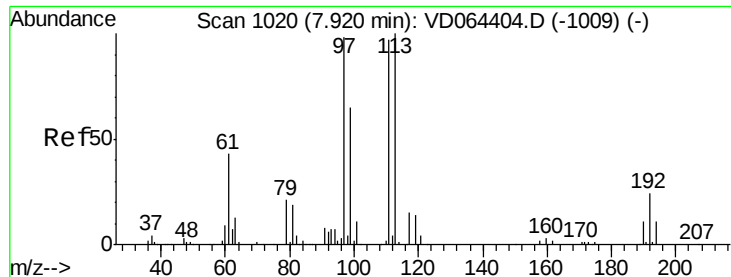
Tot Ion: 65 Resp: 65591
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064570.D
 Acq: 23 Dec 2019 16:03

Tgt Ion: 114 Resp: 189613
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.0
 88 14.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 50.325 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(3-4)

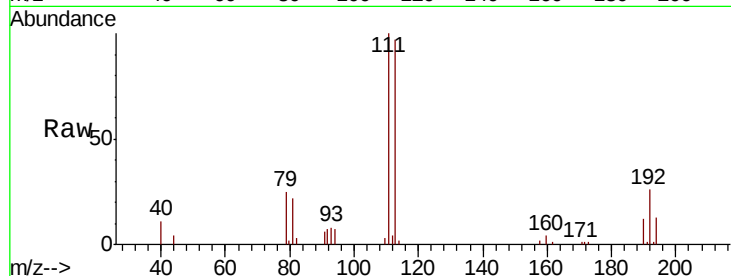
Tot Ion:113 Resp: 60121

Ion Ratio Lower Upper

113 100

111 105.1 79.4 119.2

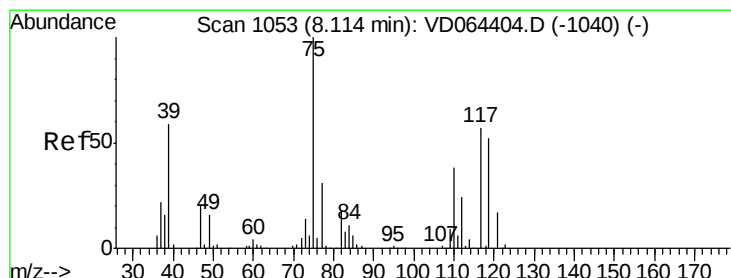
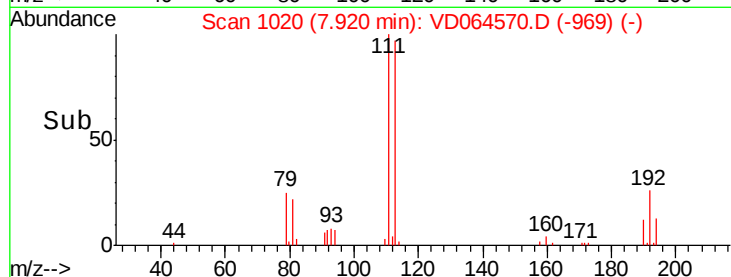
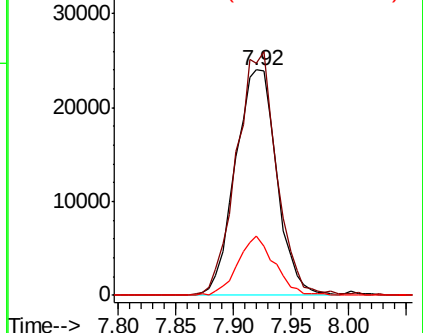
192 23.2 18.6 28.0



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: 4.541 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

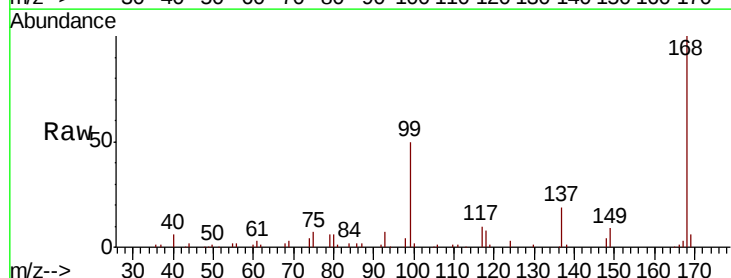
Tgt Ion: 75 Resp: 8144

Ion Ratio Lower Upper

75 100

110 2.3 18.6 55.8#

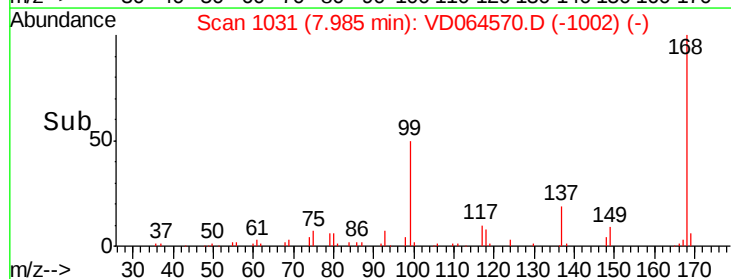
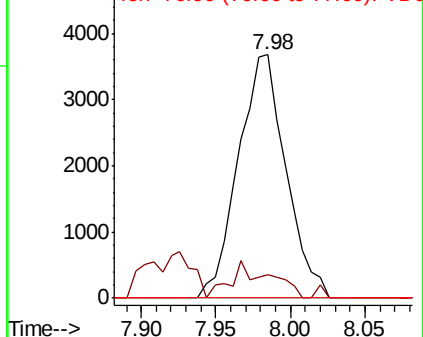
77 0.0 25.0 37.4#

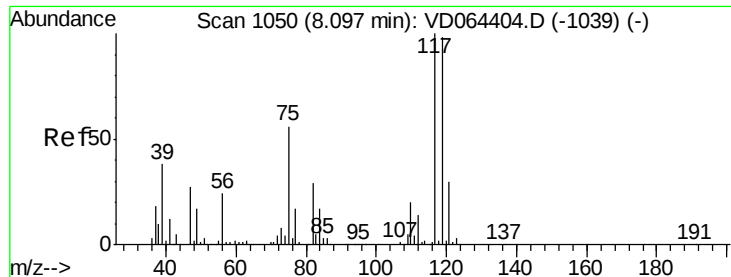


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

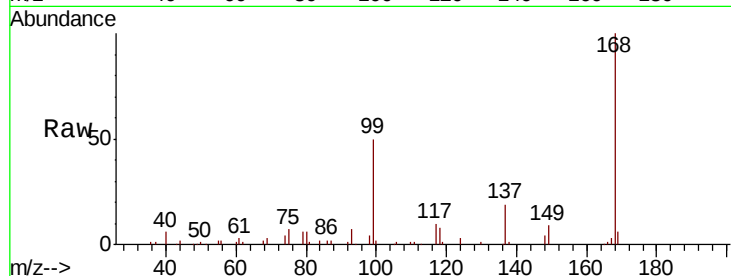




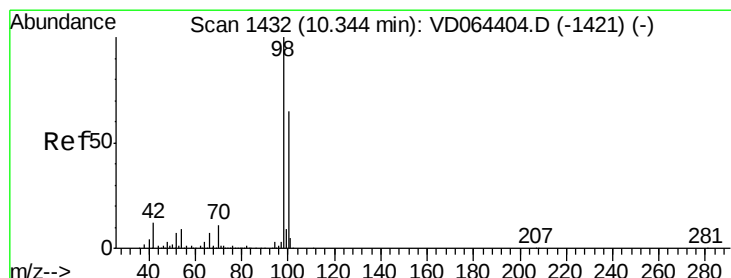
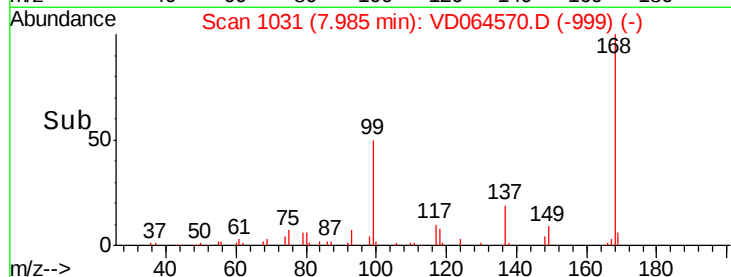
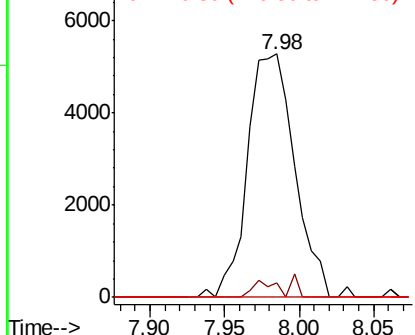
#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
SB-3-(3-4)

Tot Ion:117 Resp: 11560
Ion Ratio Lower Upper
117 100
119 5.8 78.8 118.2#
121 0.0 24.2 36.2#

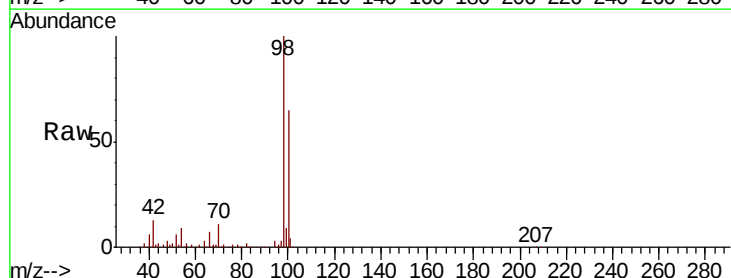


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

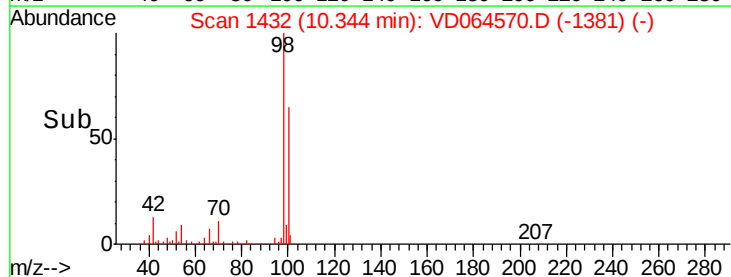
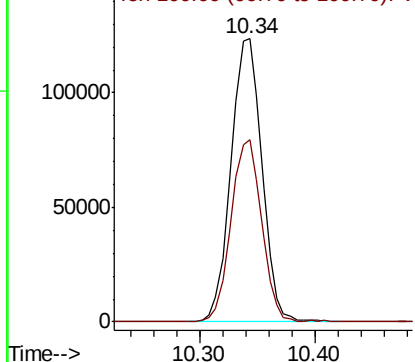


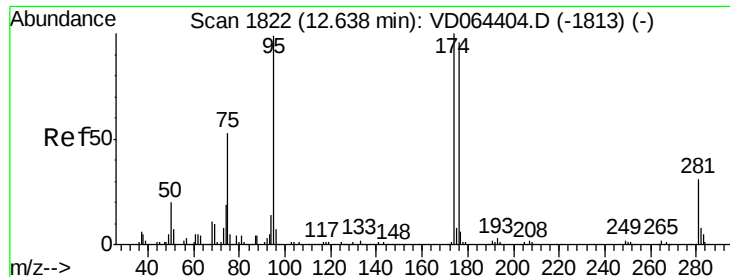
#50
Toluene-d8
Concen: 51.144 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

Tgt Ion: 98 Resp: 230155
Ion Ratio Lower Upper
98 100
100 63.4 52.6 79.0



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

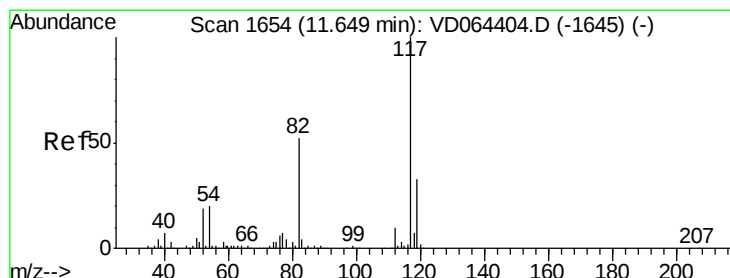
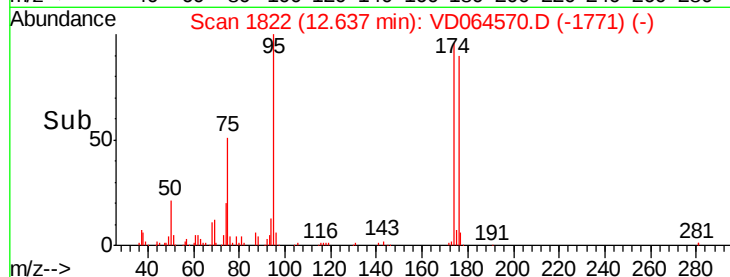
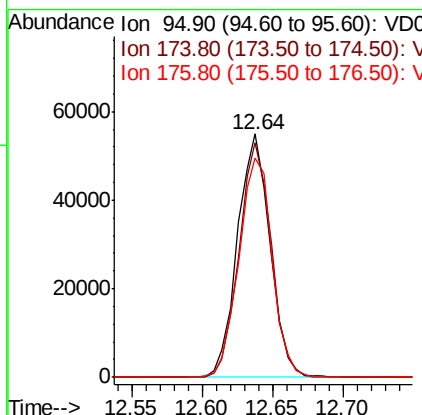
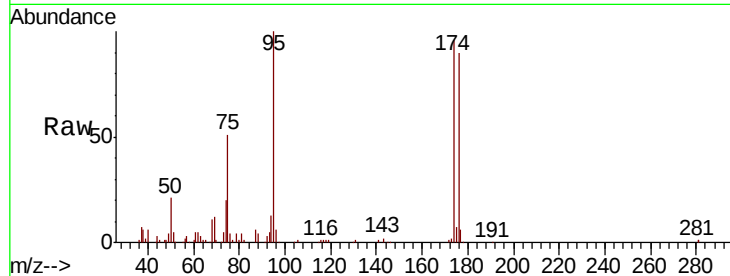




#62
4-Bromofluorobenzene
Concen: 61.025 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

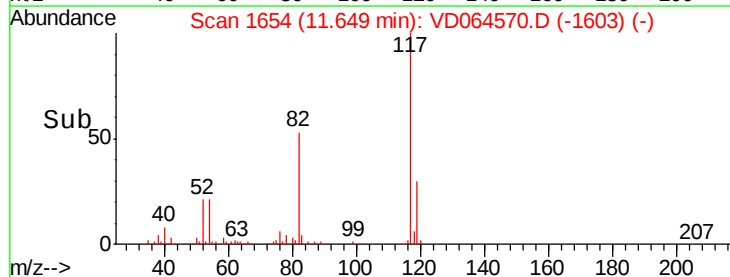
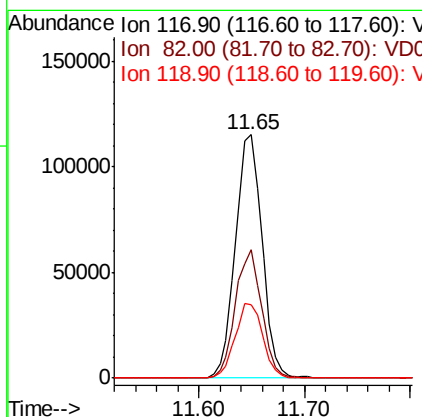
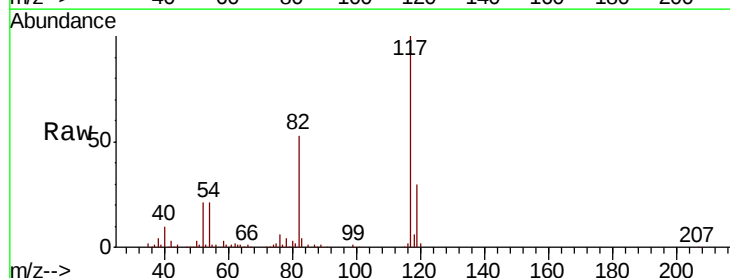
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(3-4)

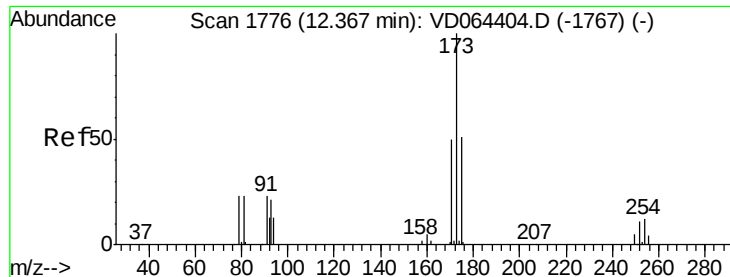
Tot Ion: 95 Resp: 88256
Ion Ratio Lower Upper
95 100
174 95.4 0.0 197.2
176 92.4 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

Tgt Ion: 117 Resp: 201472
Ion Ratio Lower Upper
117 100
82 52.6 41.4 62.2
119 30.0 26.2 39.2

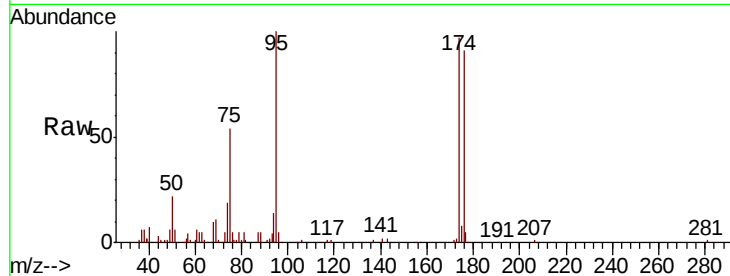




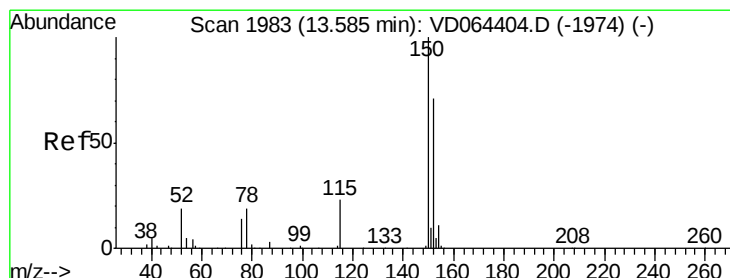
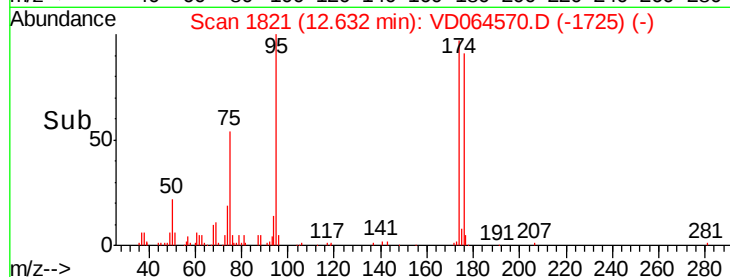
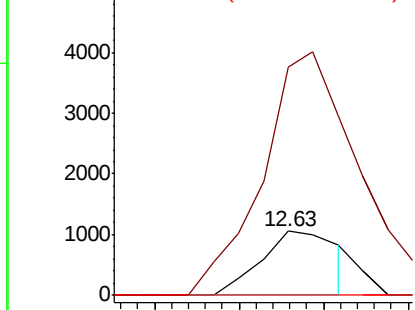
#71
Bromoform
Concen: 1.433 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

Instrument :
MSVOA_D
ClientSampleID :
SB-3-(3-4)

Tot Ion:173 Resp: 1334
Ion Ratio Lower Upper
173 100
175 375.7 25.3 75.8#
254 0.0 0.0 0.0

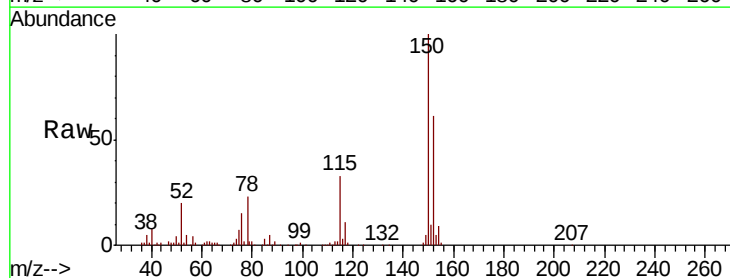


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

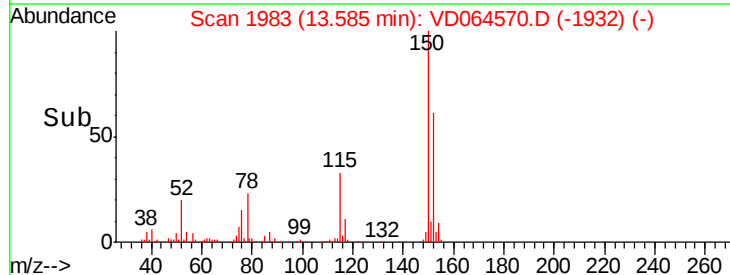
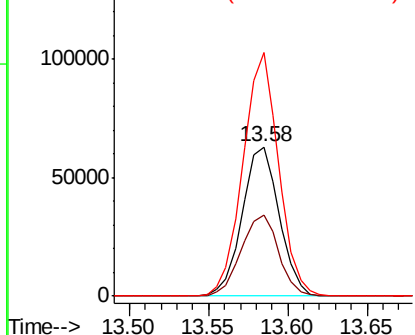


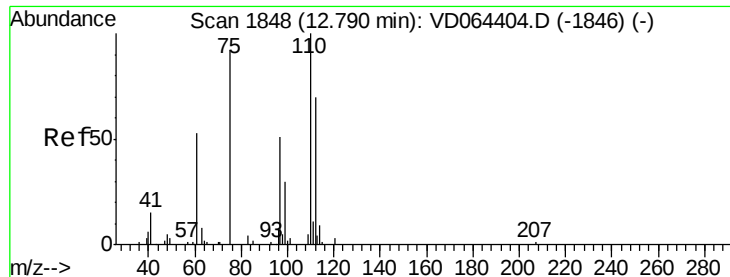
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064570.D
Acq: 23 Dec 2019 16:03

Tgt Ion:152 Resp: 102070
Ion Ratio Lower Upper
152 100
115 55.1 26.7 80.1
150 157.4 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: 55.239 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

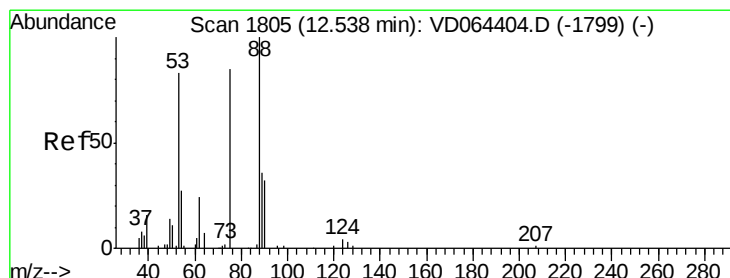
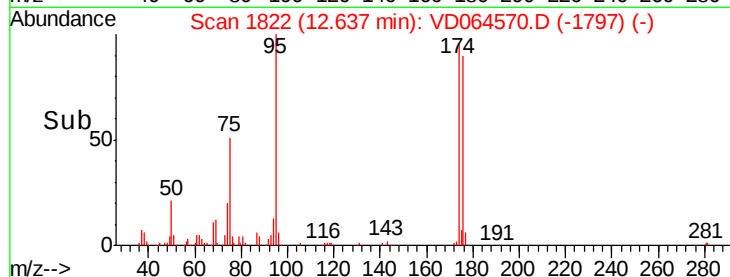
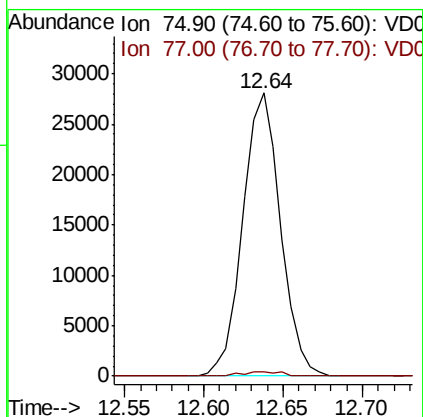
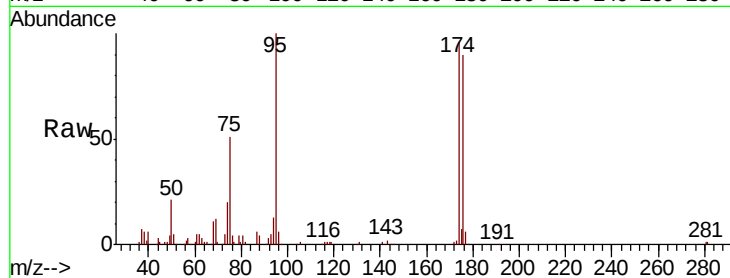
SB-3-(3-4)

Tot Ion: 75 Resp: 46367

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.450 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

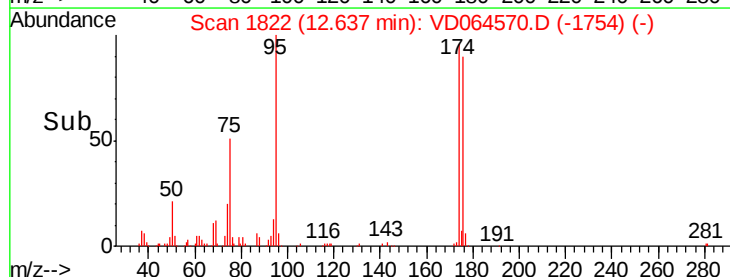
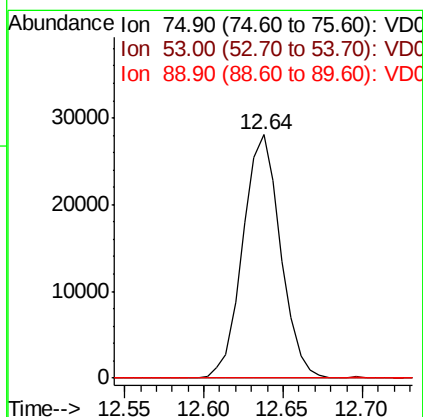
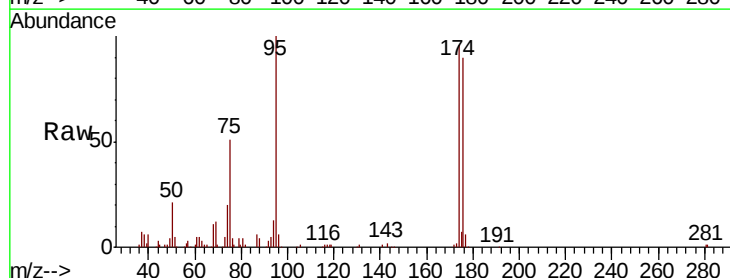
Tgt Ion: 75 Resp: 46367

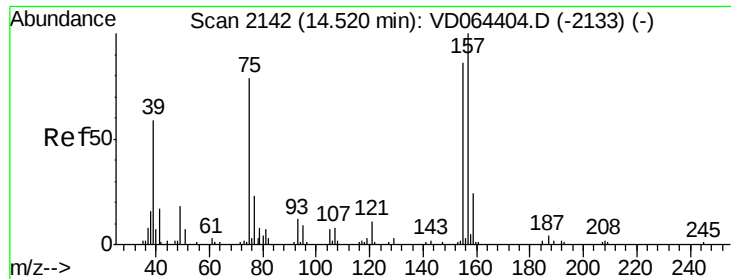
Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.57 min Scan# 2150

Delta R.T. 0.05 min

Lab File: VD064570.D

Acq: 23 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(3-4)

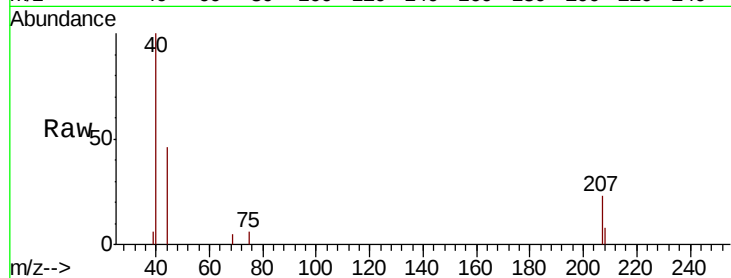
Tot Ion: 75 Resp: 59

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): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

