

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067472.D
 Acq On : 30 Oct 2020 14:49
 Operator : VA/SY
 Sample : L4560-03
 Misc : 7.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003

Quant Time: Oct 30 15:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	143403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	234722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	249283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	127909	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	93856	65.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	130.66%	
35) Dibromofluoromethane	7.92	113	83732	53.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.20%	
50) Toluene-d8	10.34	98	280829	49.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.64	95	106373	54.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.24%	

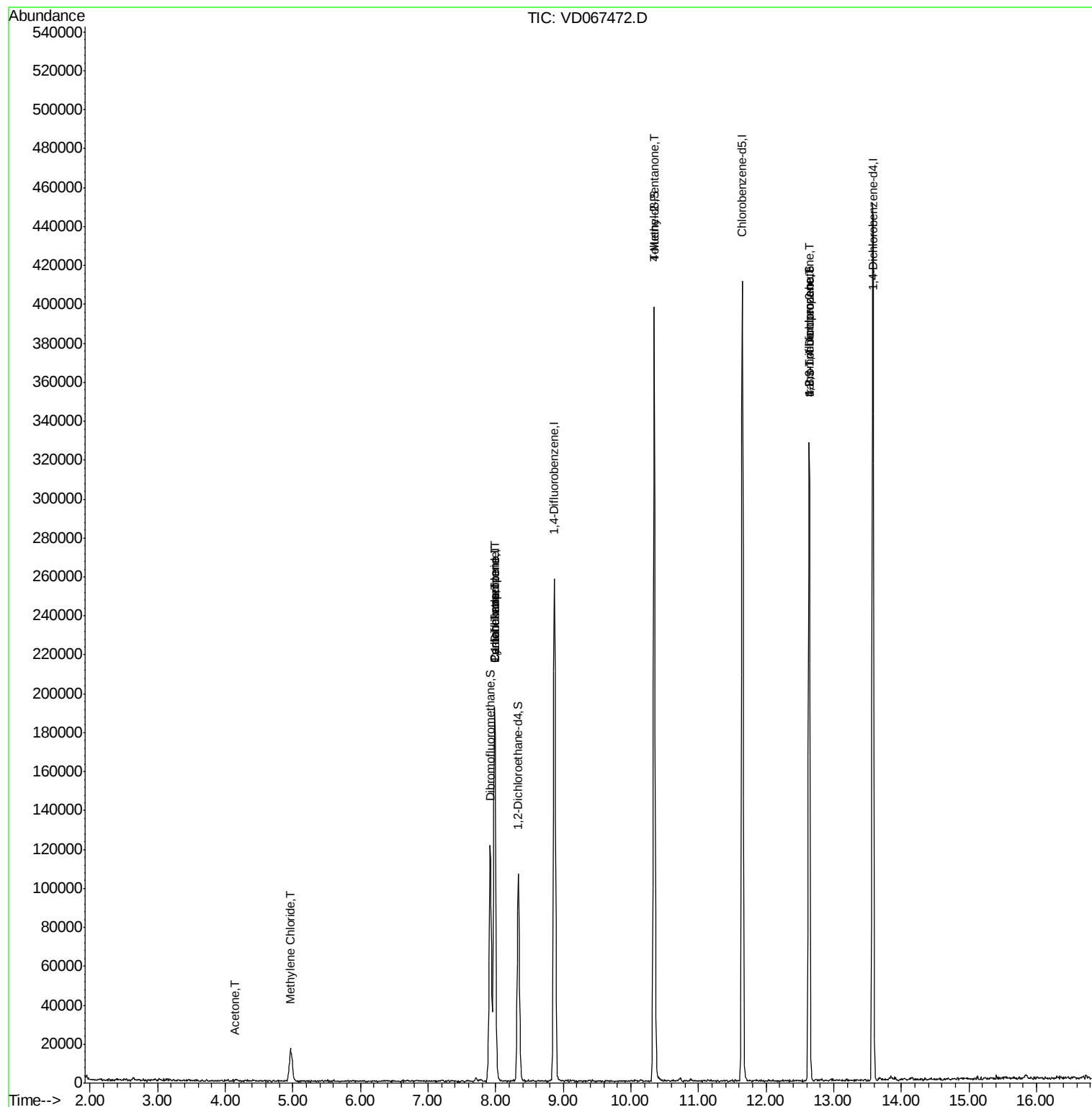
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.88	94	119	Below Cal	#	3
11) Tert butyl alcohol	5.15	59	72	Below Cal	#	81
16) Acetone	4.16	43	1243	6.178	ug/l #	42
20) Methylene Chloride	4.97	84	13846	6.871	ug/l	95
31) Cyclohexane	7.99	56	2977	1.799	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	10638	5.347	ug/l #	50
38) Carbon Tetrachloride	7.99	117	14852	5.841	ug/l #	19
51) 4-Methyl-2-Pentanone	10.35	43	895	1.545	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	54627	61.619	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	54627	139.733	ug/l #	10

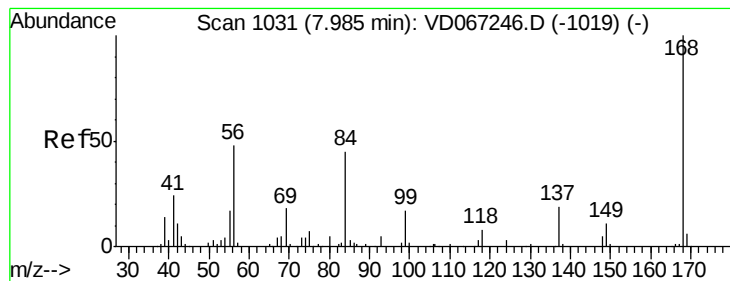
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
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: VD067472.D

Acq: 30 Oct 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

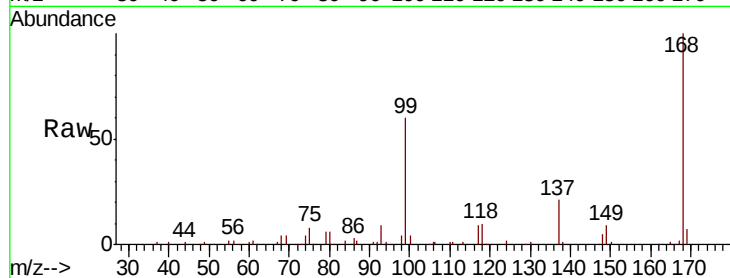
B308-B309-LOC2-SO-0003

Tot Ion:168 Resp: 143403

Ion Ratio Lower Upper

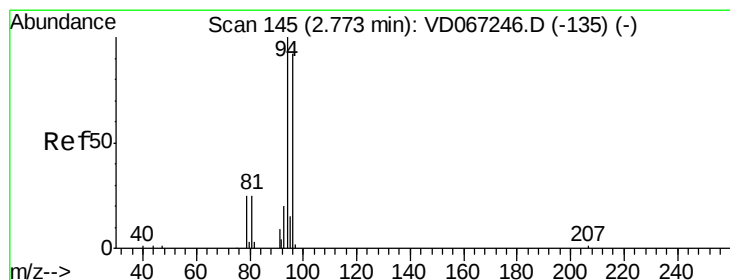
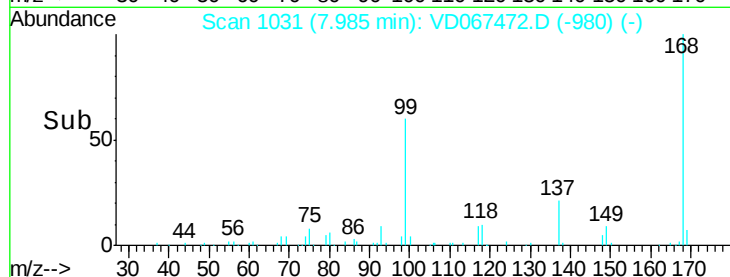
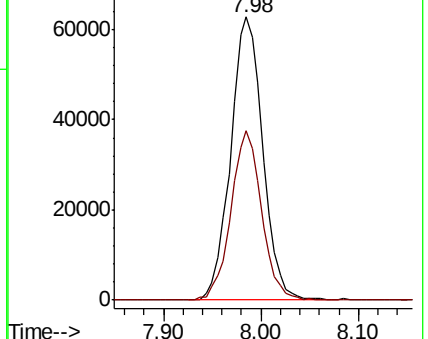
168 100

99 60.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.88 min Scan# 163

Delta R.T. 0.11 min

Lab File: VD067472.D

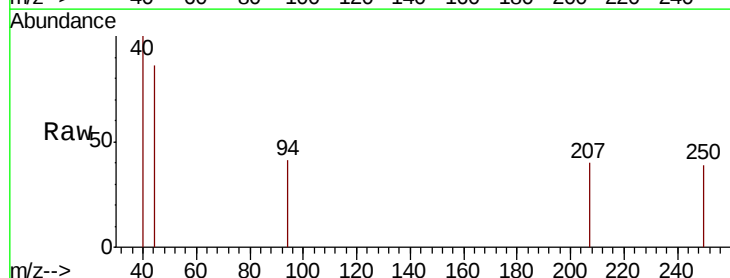
Acq: 30 Oct 2020 14:49

Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

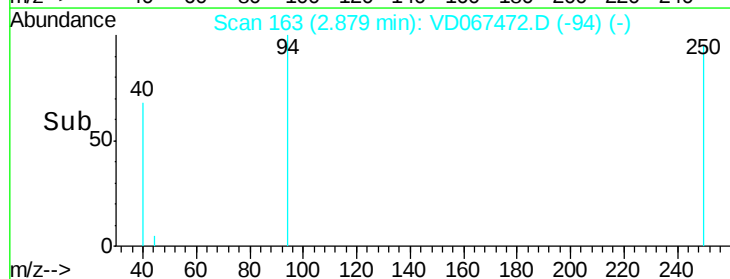
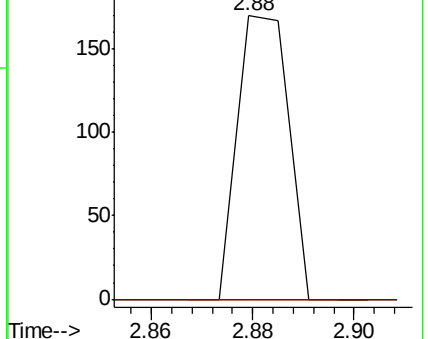
94 100

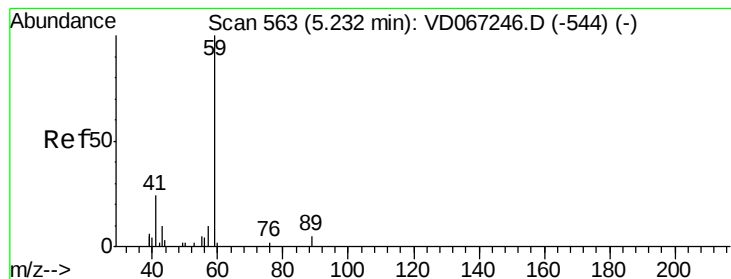
96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



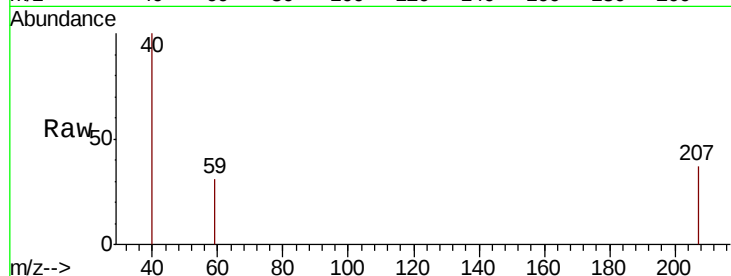


#11

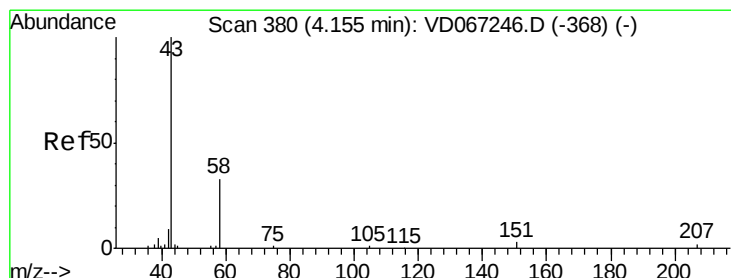
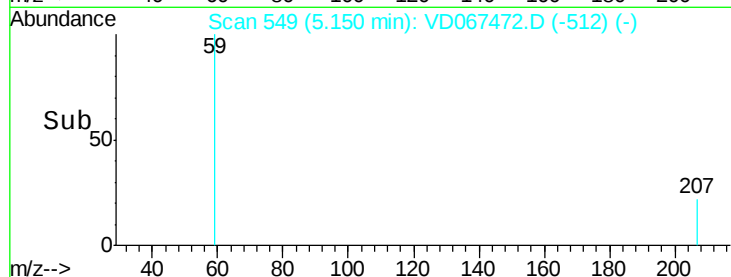
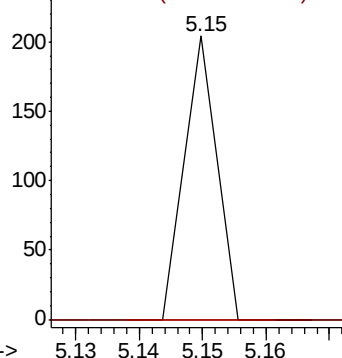
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 549
 Delta R.T. -0.08 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003

Tot Ion: 59 Resp: 72
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#



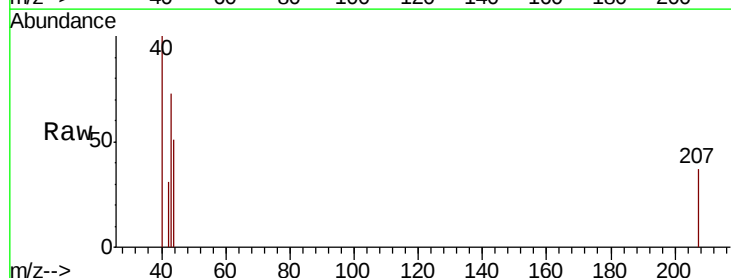
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



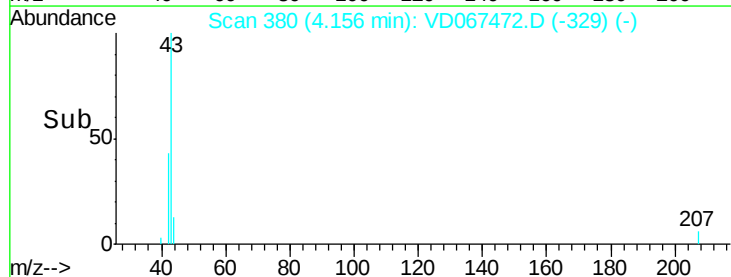
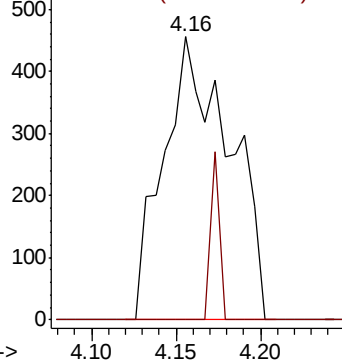
#16

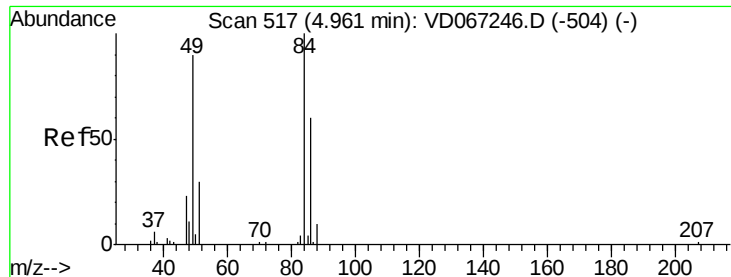
Acetone
 Concen: 6.178 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

Tgt Ion: 43 Resp: 1243
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.1 39.1#



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

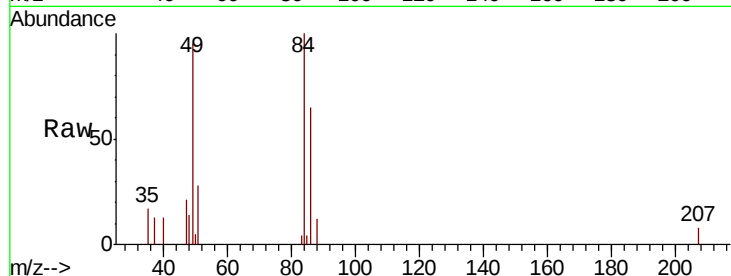




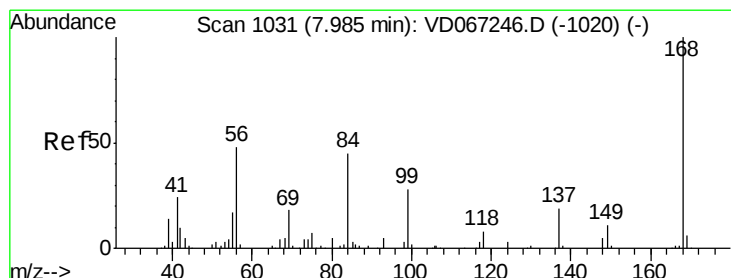
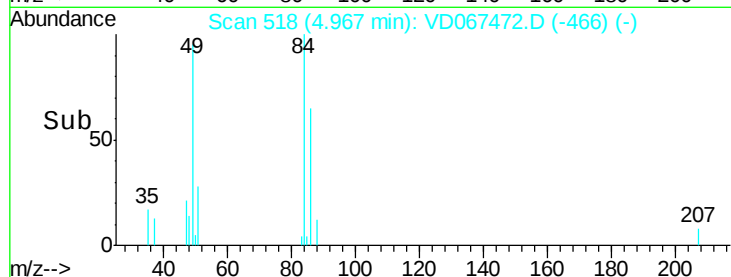
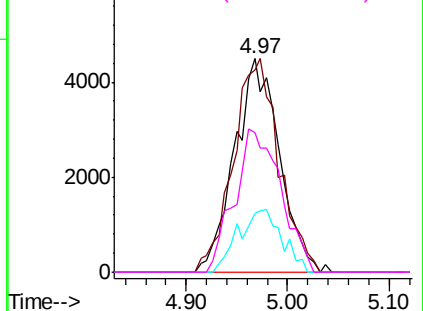
#20
Methvlene Chloride
Concen: 6.871 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067472.D
Acq: 30 Oct 2020 14:49

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2-SO-0003

Tot Ion:	84	Resp:	13846
Ion	Ratio	Lower	Upper
84	100		
49	94.8	72.2	108.2
51	27.6	23.8	35.8
86	65.2	48.2	72.4

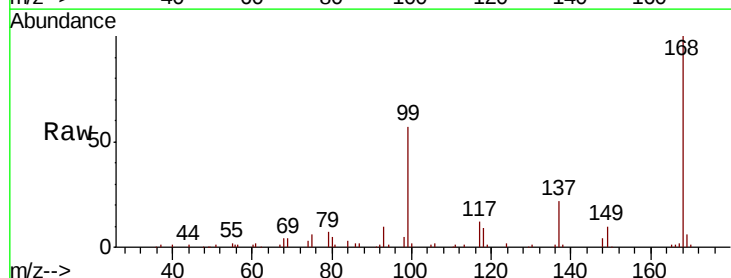


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

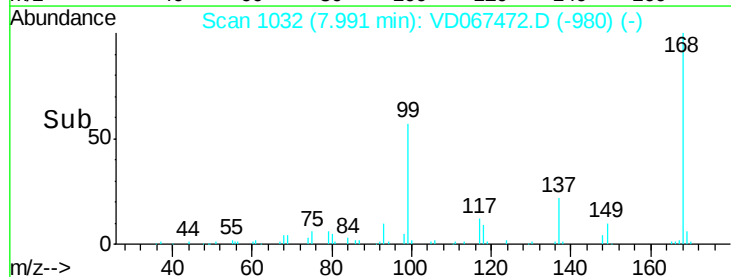
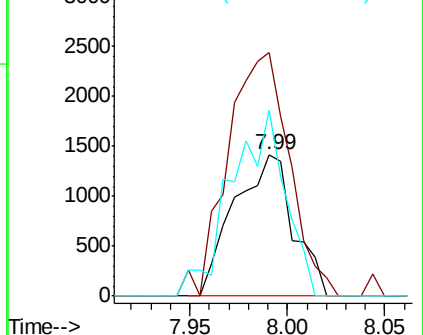


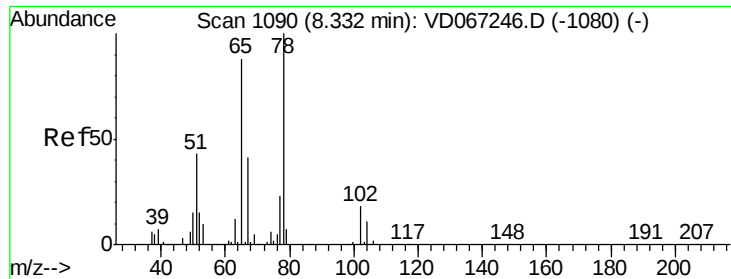
#31
Cyclohexane
Concen: 1.799 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067472.D
Acq: 30 Oct 2020 14:49

Tgt Ion:	56	Resp:	2977
Ion	Ratio	Lower	Upper
56	100		
69	171.6	29.8	44.6#
84	130.8	76.6	114.8#



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

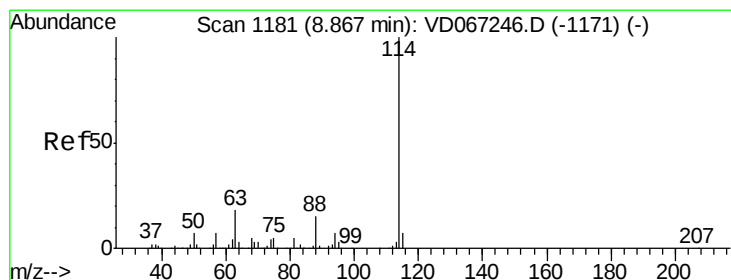
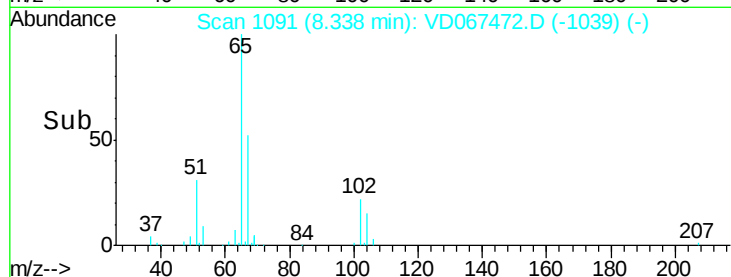
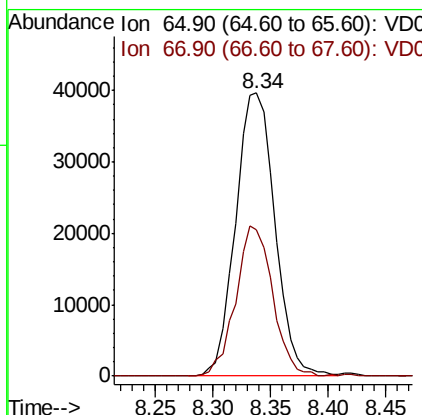
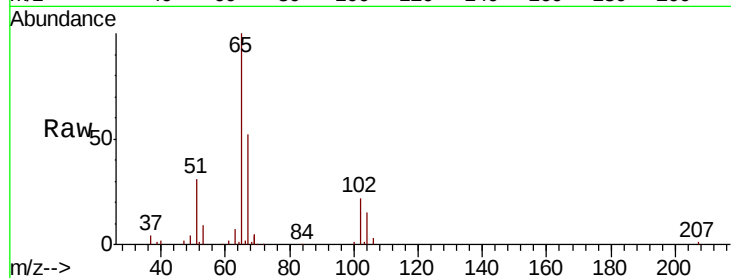




#33
 1,2-Dichloroethane-d4
 Concen: 65.328 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

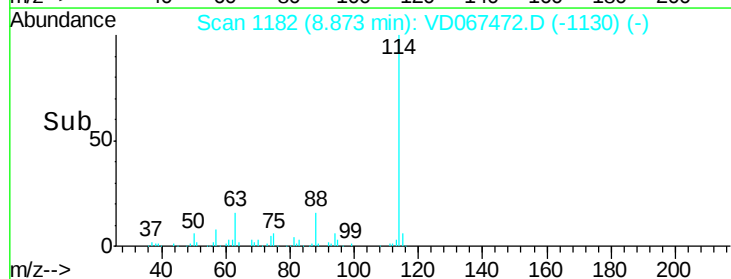
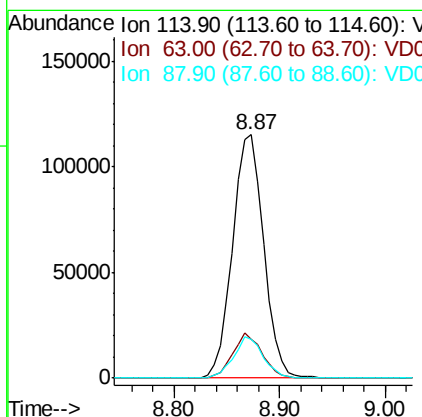
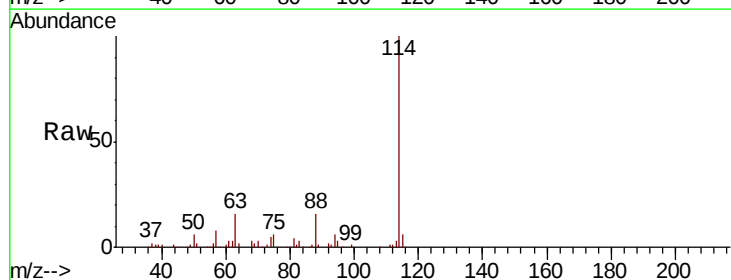
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003

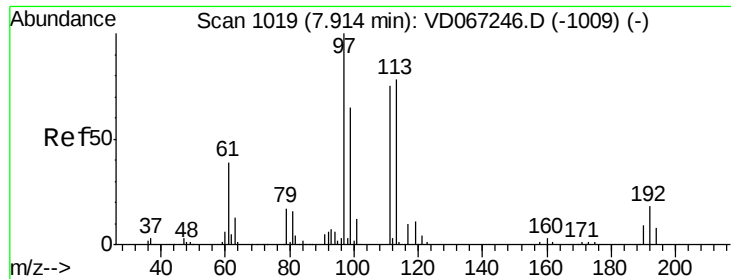
Tot Ion: 65 Resp: 93856
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

Tgt Ion: 114 Resp: 234722
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 35.0
 88 15.8 0.0 30.6

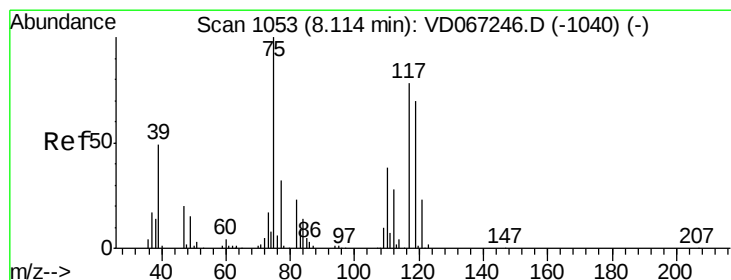
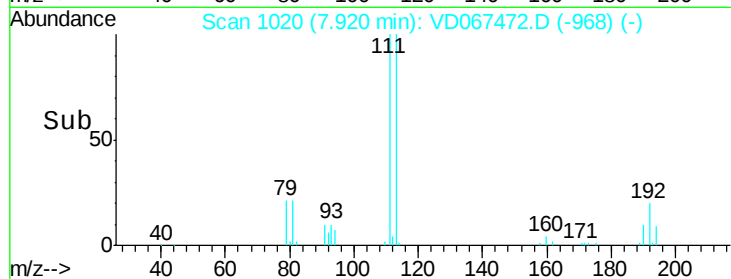
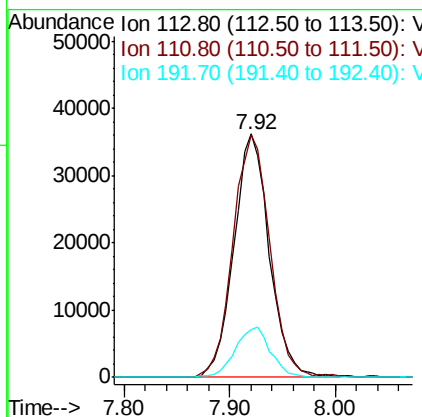
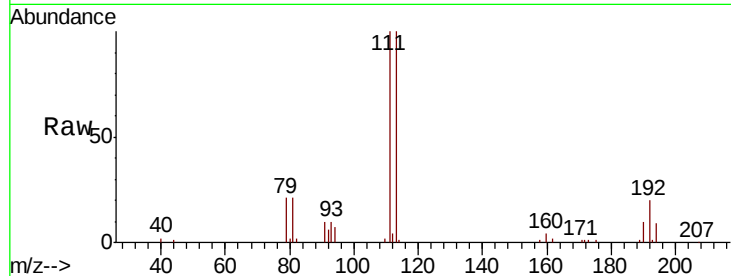




#35
 Dibromofluoromethane
 Concen: 53.603 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

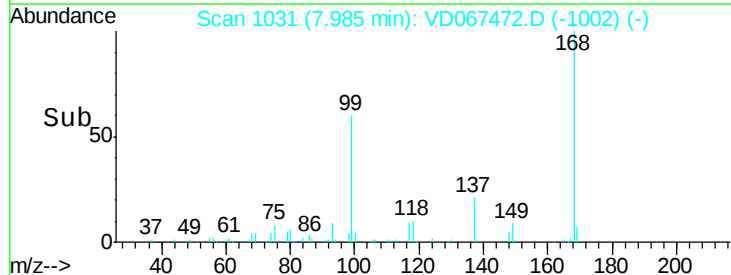
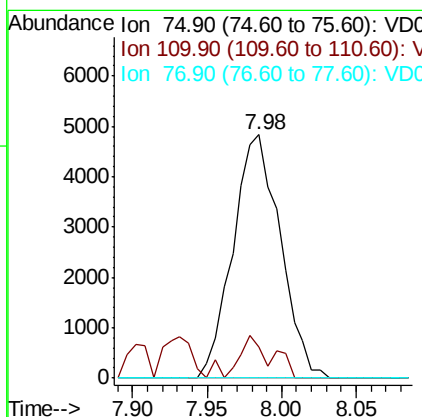
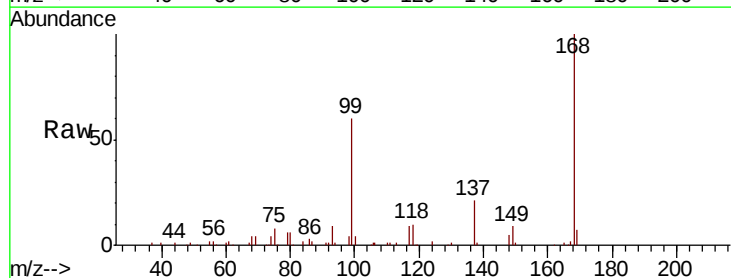
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003

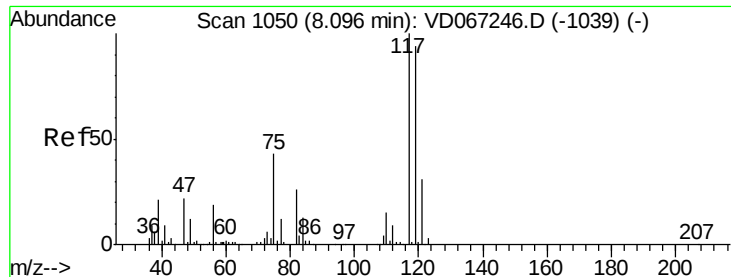
Tot Ion:113 Resp: 83732
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.6 122.4
 192 20.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.347 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

Tgt Ion: 75 Resp: 10638
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.6 58.7#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.841 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067472.D

Acq: 30 Oct 2020 14:49

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2-SO-0003

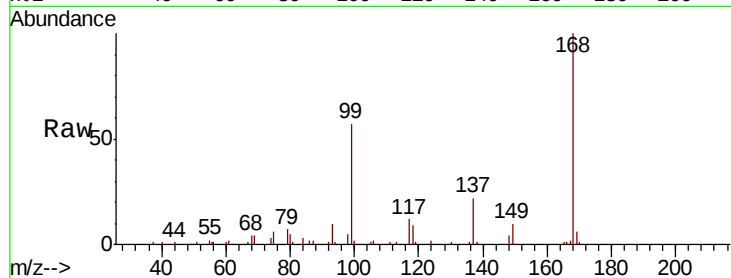
Tot Ion:117 Resp: 14852

Ion Ratio Lower Upper

117 100

119 7.2 75.0 112.4#

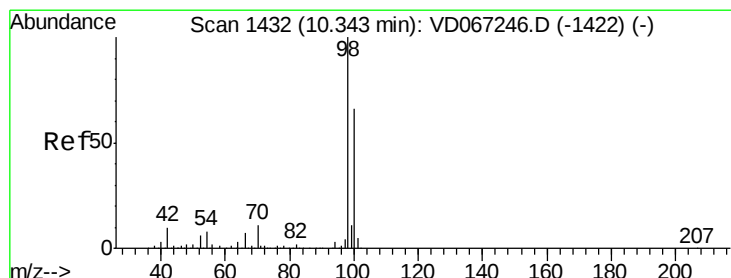
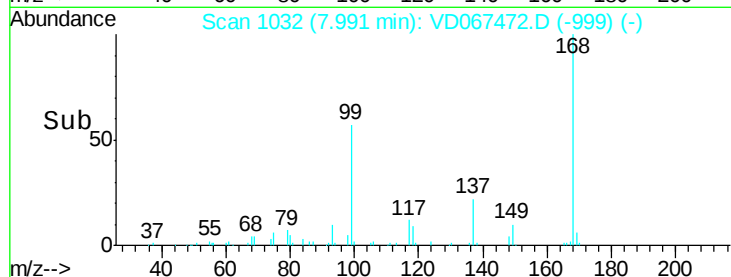
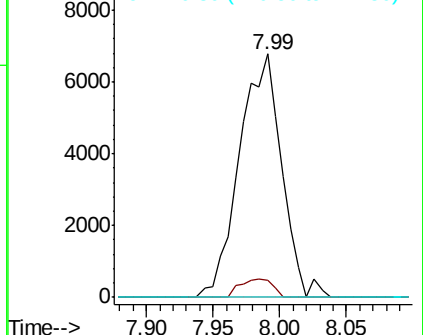
121 0.0 24.9 37.3#



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: 49.678 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067472.D

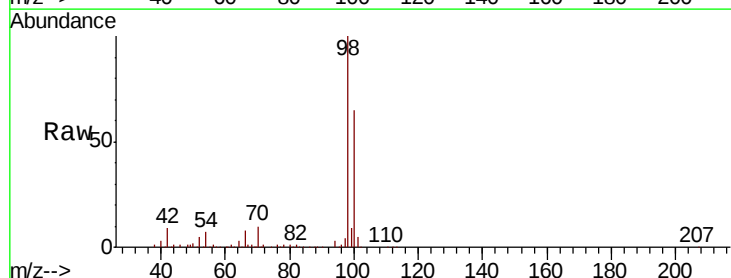
Acq: 30 Oct 2020 14:49

Tgt Ion: 98 Resp: 280829

Ion Ratio Lower Upper

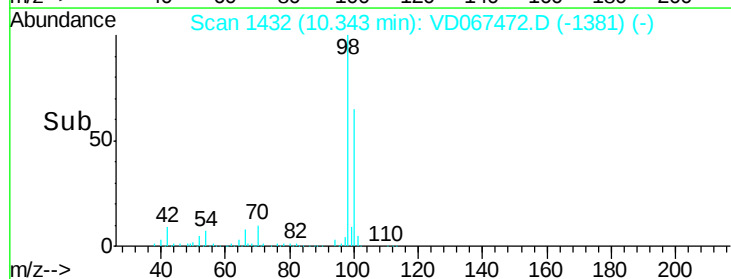
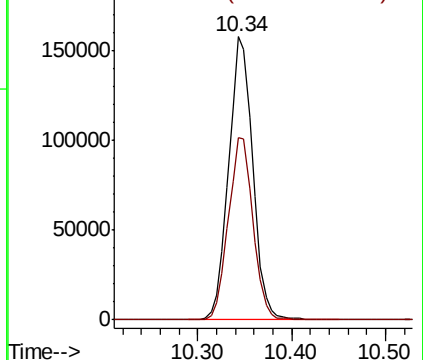
98 100

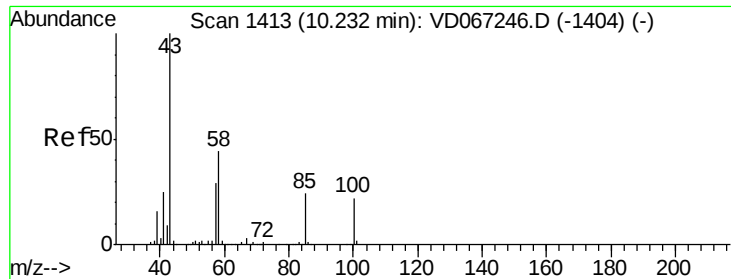
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.545 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067472.D

Acq: 30 Oct 2020 14:49

Instrument :

MSVOA_D

ClientSampleID :

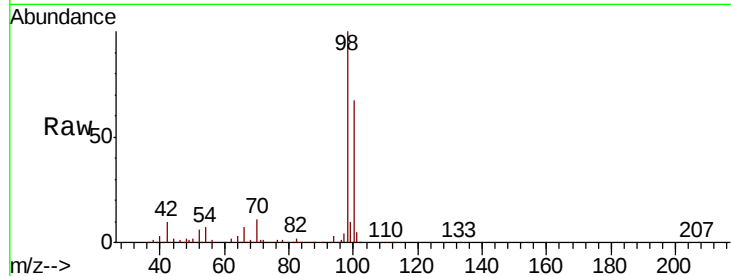
B308-B309-LOC2-SO-0003

Tot Ion: 43 Resp: 895

Ion Ratio Lower Upper

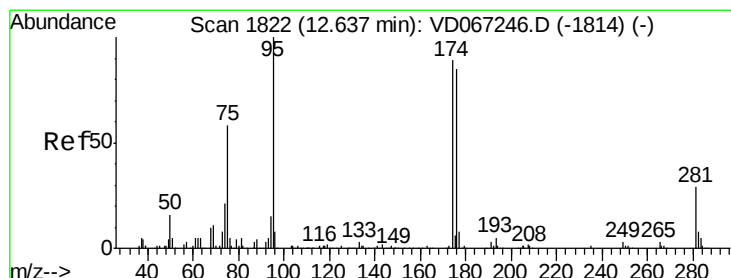
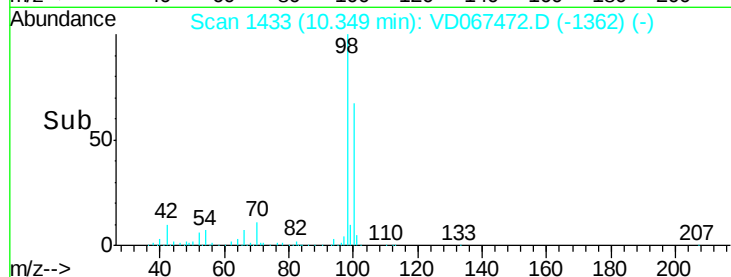
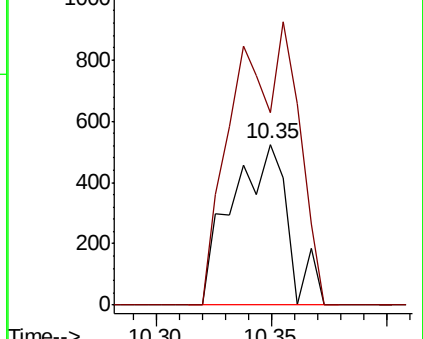
43 100

58 197.5 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 54.115 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067472.D

Acq: 30 Oct 2020 14:49

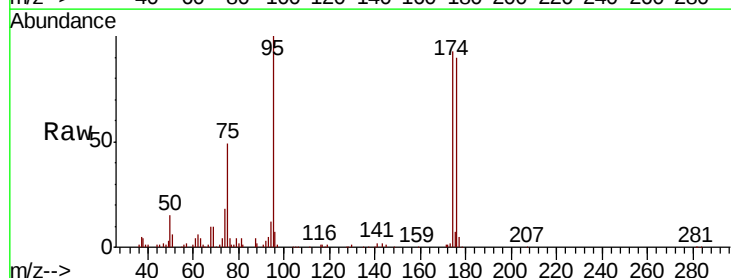
Tgt Ion: 95 Resp: 106373

Ion Ratio Lower Upper

95 100

174 93.1 0.0 175.2

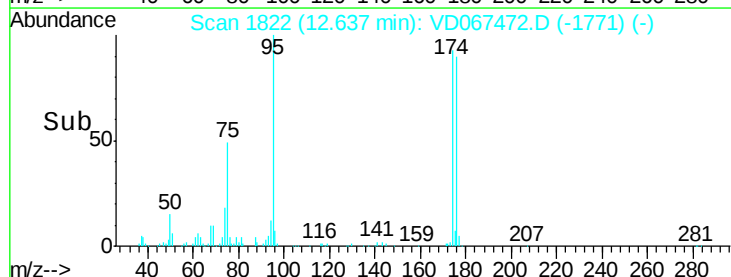
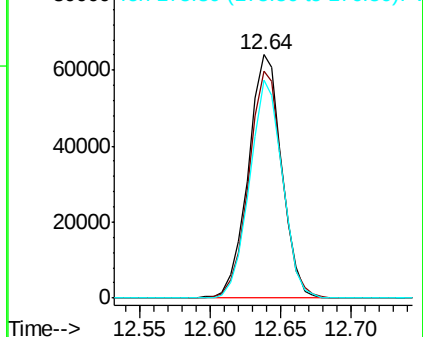
176 88.2 0.0 168.6

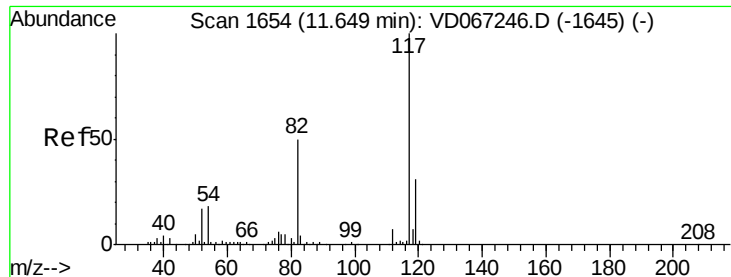


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

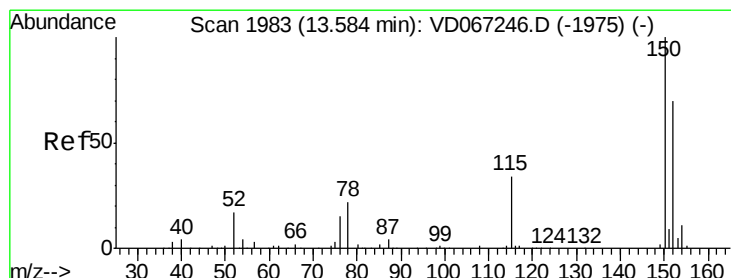
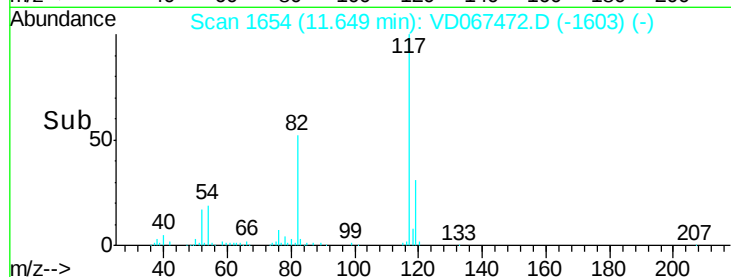
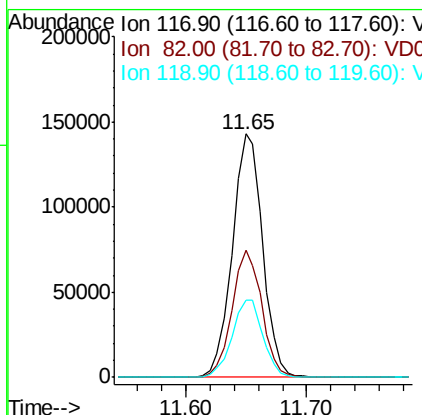
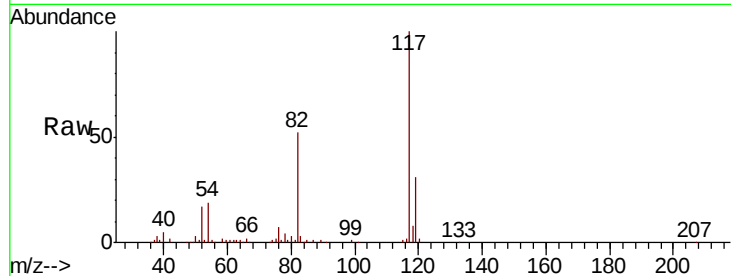




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067472.D
Acq: 30 Oct 2020 14:49

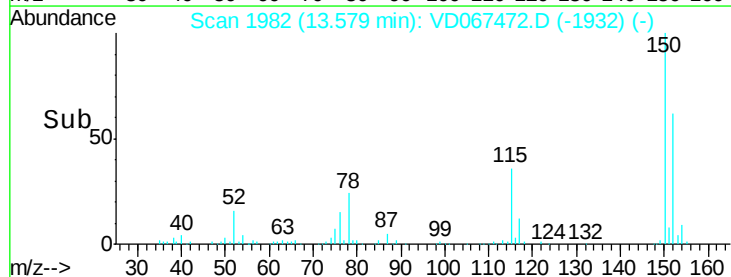
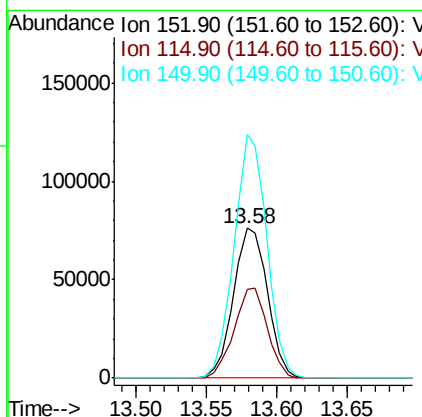
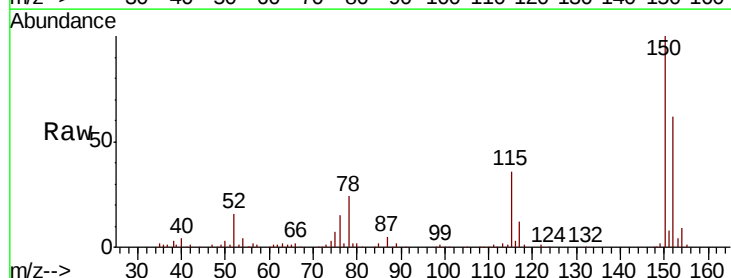
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2-SO-0003

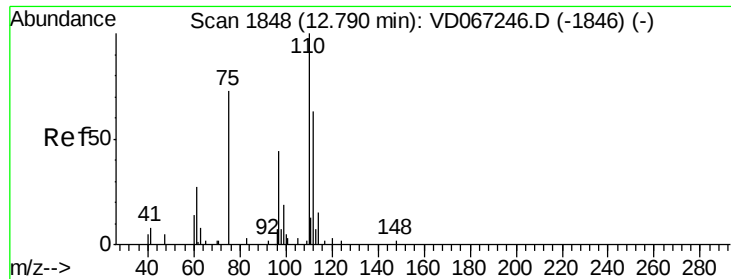
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	39.9	59.9
119	31.5	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067472.D
Acq: 30 Oct 2020 14:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	87.9
150	157.0	0.0	339.0

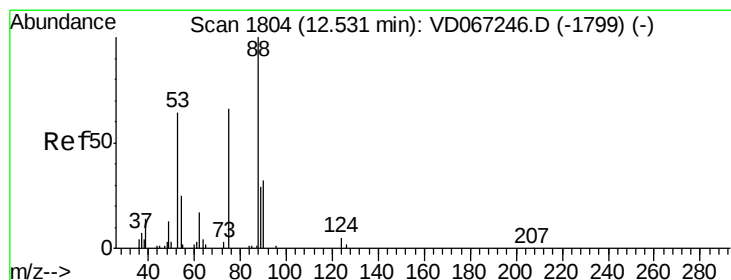
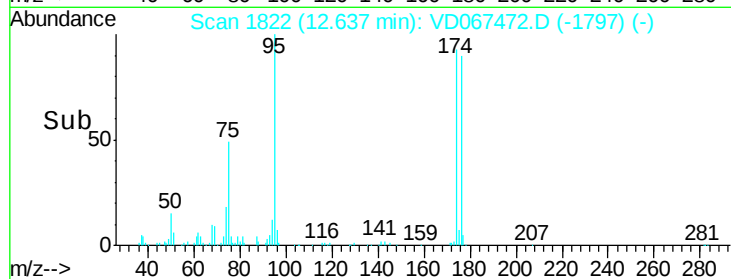
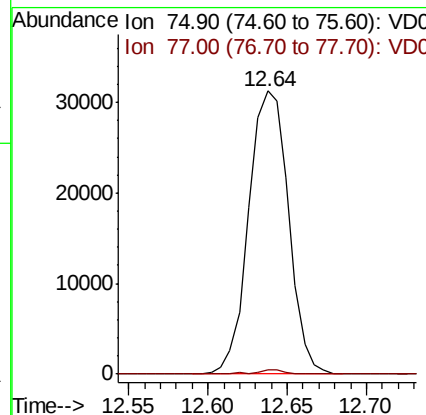
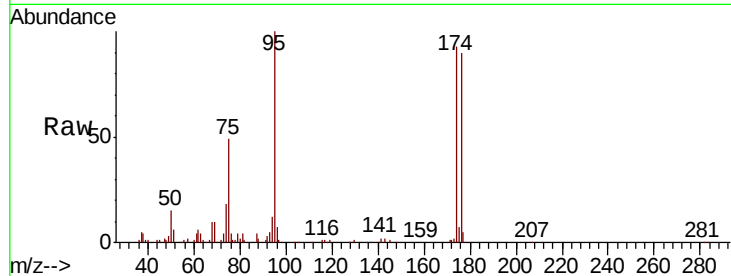




#76
 1,2,3-Trichloropropane
 Concen: 61.619 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003

Tot Ion: 75 Resp: 54627
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.733 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067472.D
 Acq: 30 Oct 2020 14:49

Tgt Ion: 75 Resp: 54627
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 39.9 59.9#

