

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067747.D
 Acq On : 23 Nov 2020 15:53
 Operator : VA/SY
 Sample : L4809-09RE
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-CON-ERE

Quant Time: Nov 24 00:56:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	262239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	396995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113790	44.63	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.26%
35) Dibromofluoromethane	7.92	113	62422	24.71	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	49.42%#
50) Toluene-d8	10.34	98	464545	50.29	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.58%
62) 4-Bromofluorobenzene	12.64	95	191827	60.76	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.52%

Target Compounds

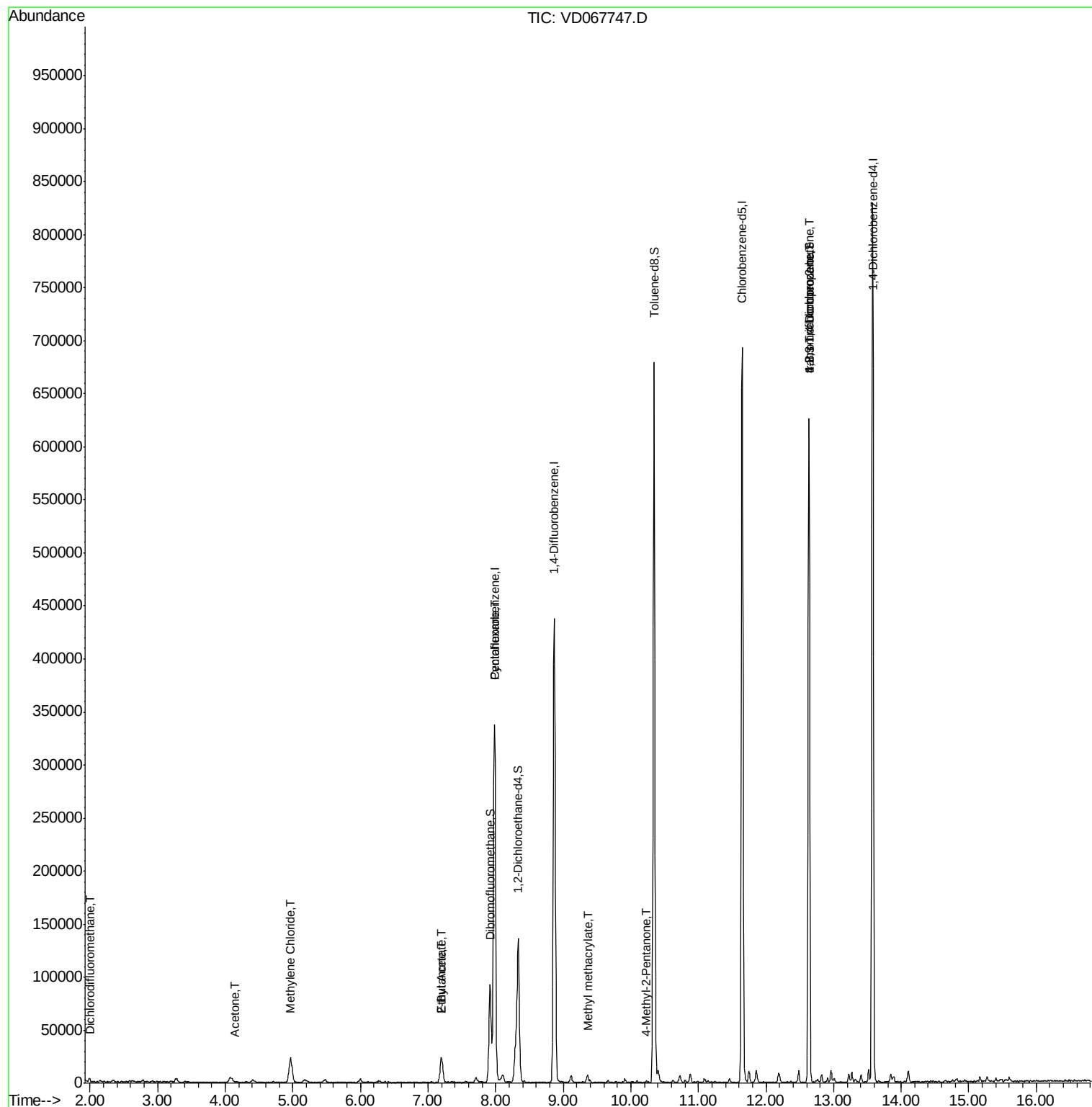
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	2369	1.038	ug/l	86
11) Tert butyl alcohol	5.19	59	2218	Below Cal	#	87
16) Acetone	4.16	43	838	2.544	ug/l #	40
20) Methylene Chloride	4.96	84	20644	1.217	ug/l	92
25) 2-Butanone	7.20	43	925	2.502	ug/l #	37
31) Cyclohexane	7.99	56	6895	2.235	ug/l #	60
37) Ethyl Acetate	7.20	43	925	1.010	ug/l #	1
48) Methyl methacrylate	9.36	41	1436	1.570	ug/l #	49
51) 4-Methyl-2-Pentanone	10.23	43	1143	1.328	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	101817	62.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	101817	146.868	ug/l #	11

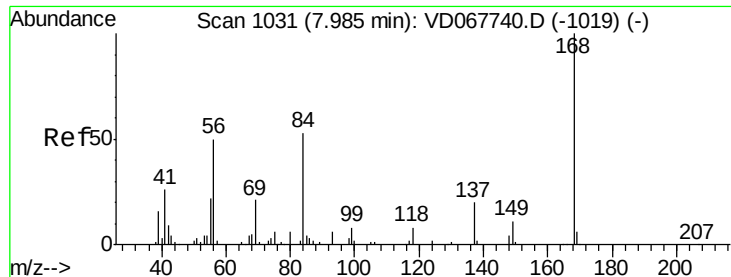
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 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: VD067747.D

Acq: 23 Nov 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

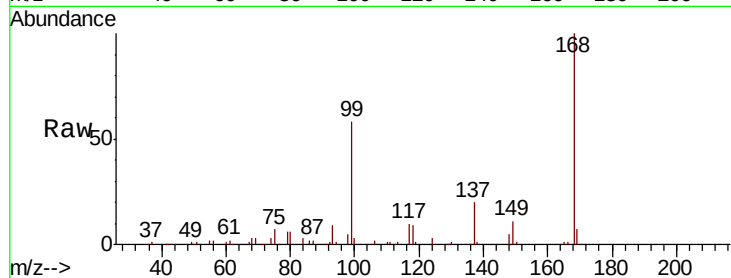
MS-CON-ERE

Tot Ion:168 Resp: 262239

Ion Ratio Lower Upper

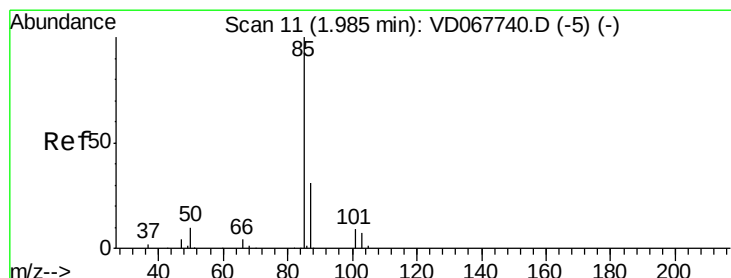
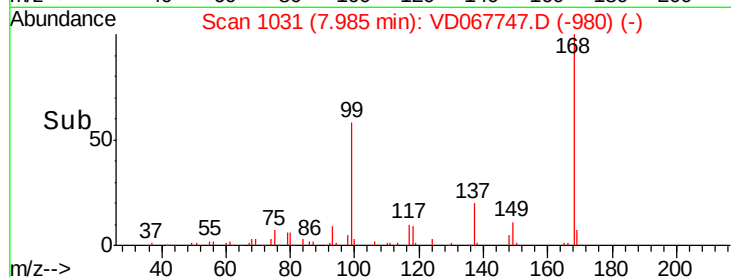
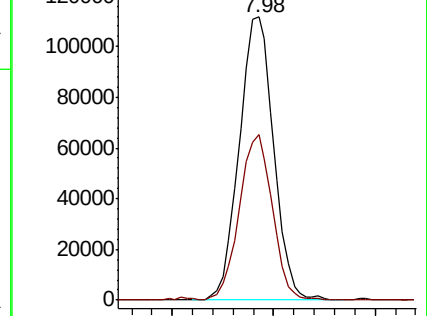
168 100

99 58.2 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.038 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067747.D

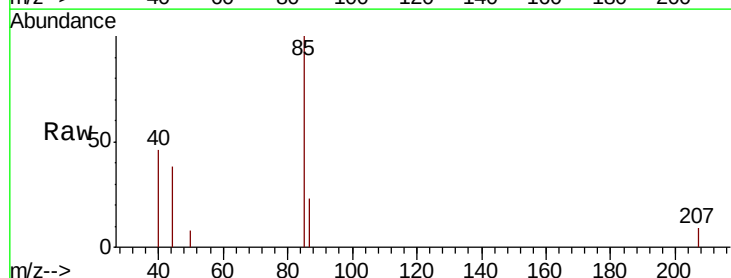
Acq: 23 Nov 2020 15:53

Tgt Ion: 85 Resp: 2369

Ion Ratio Lower Upper

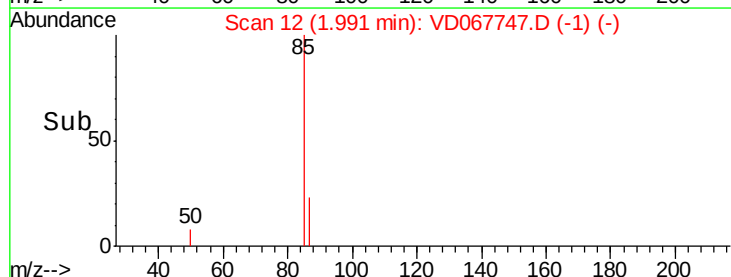
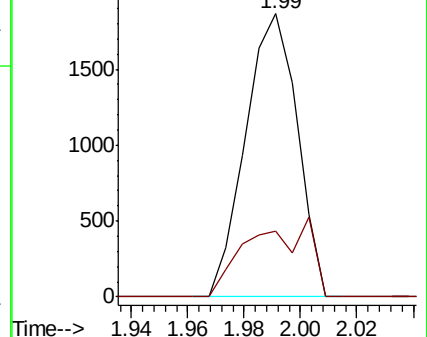
85 100

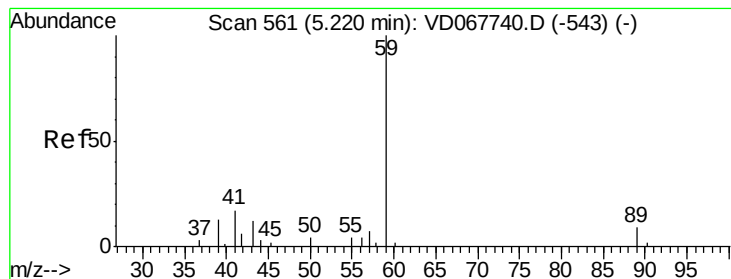
87 23.1 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



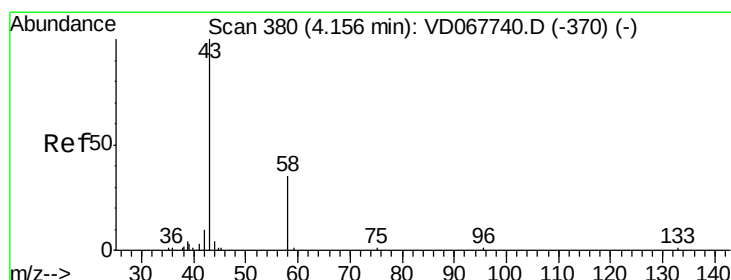
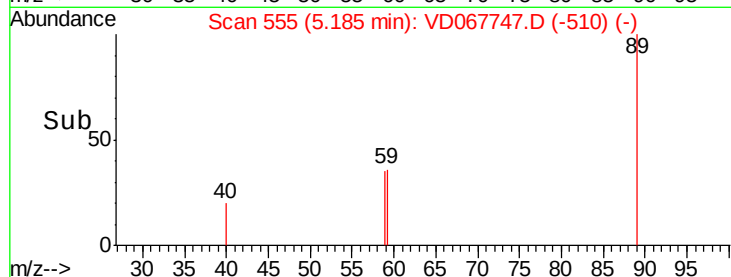
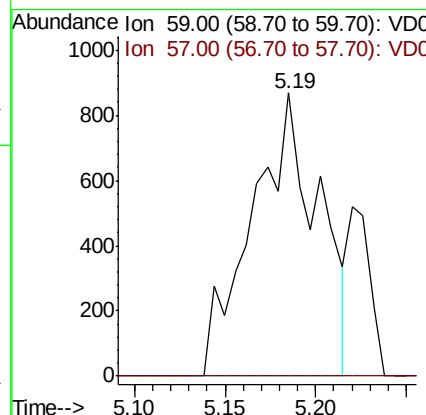
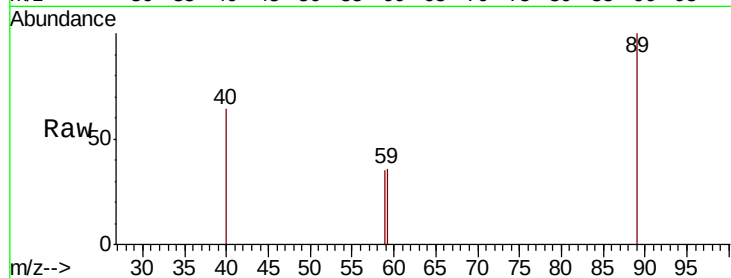


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD067747.D
 Acq: 23 Nov 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-CON-ERE

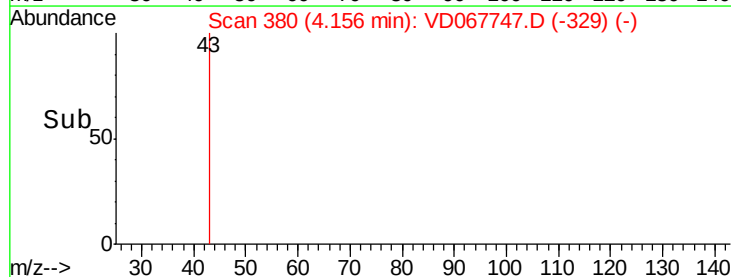
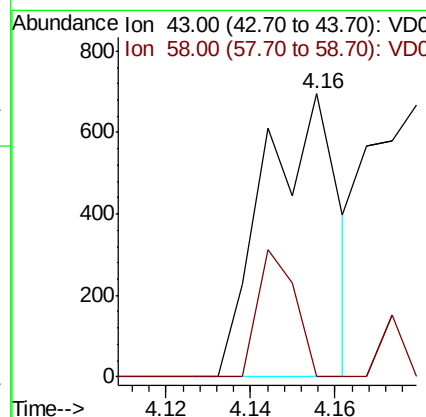
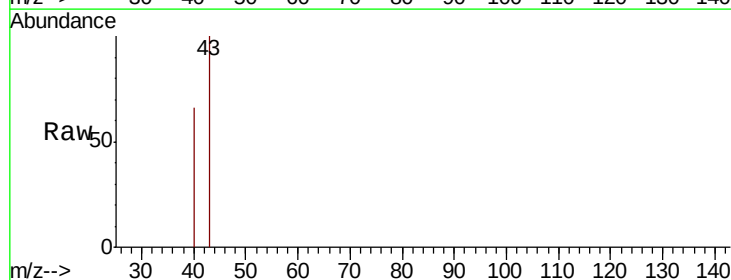
Tot Ion: 59 Resp: 2218
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.4 5.0#

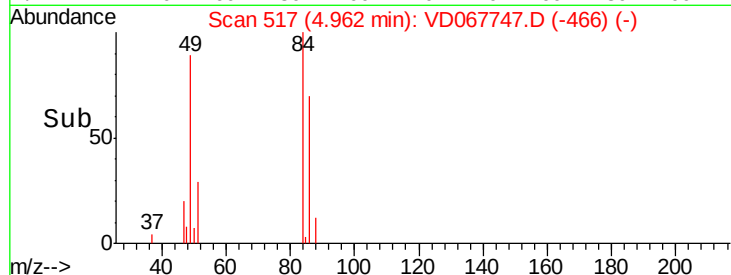
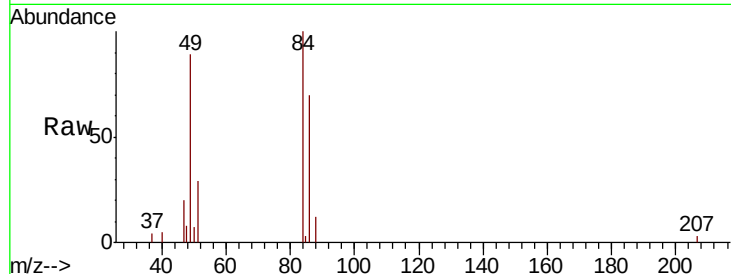
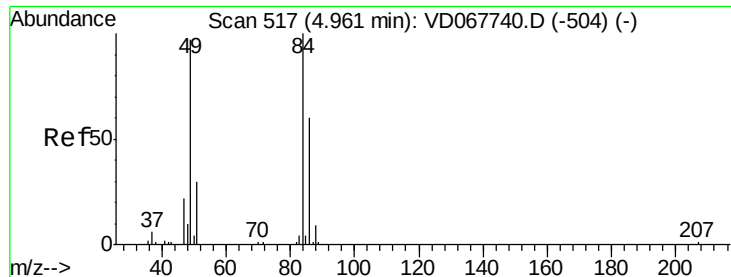


#16

Acetone
 Concen: 2.544 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067747.D
 Acq: 23 Nov 2020 15:53

Tgt Ion: 43 Resp: 838
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.6 41.4#

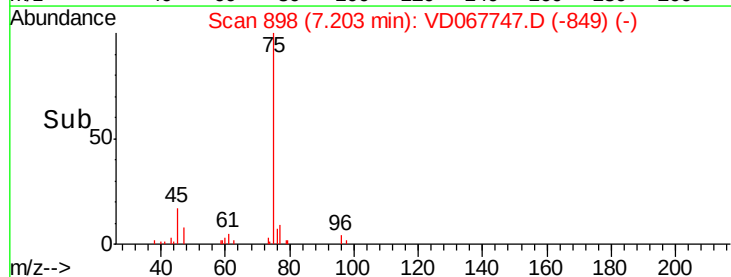
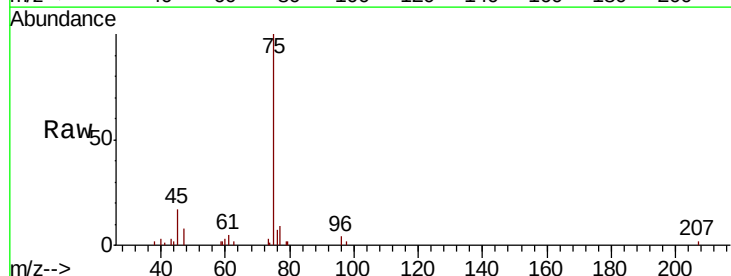
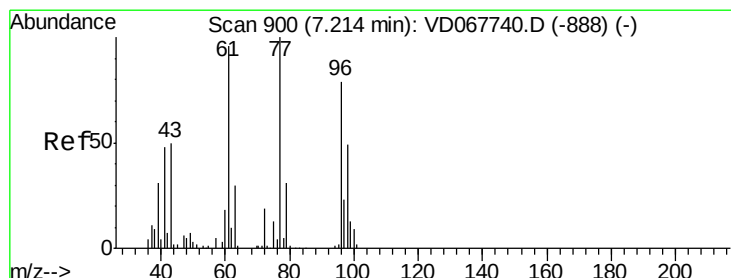
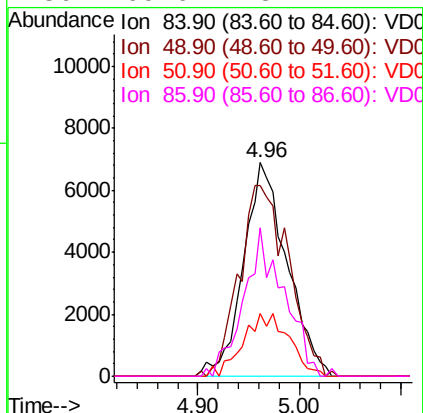




#20
Methylene Chloride
Concen: 1.217 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067747.D
Acq: 23 Nov 2020 15:53

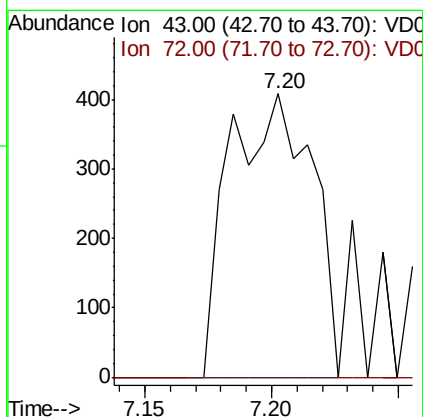
Instrument :
MSVOA_D
ClientSampleId :
MS-CON-ERE

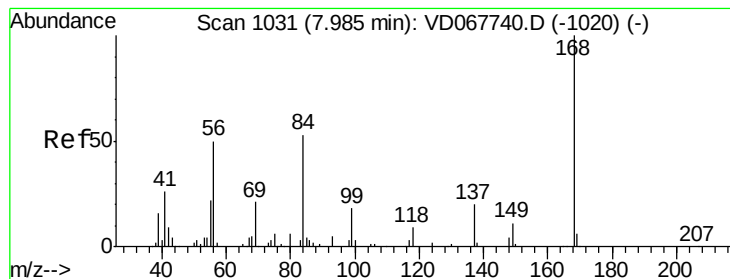
Tot Ion:	84	Resp:	20644
Ion	Ratio	Lower	Upper
84	100		
49	89.3	77.4	116.2
51	29.2	24.1	36.1
86	69.6	48.2	72.2



#25
2-Butanone
Concen: 2.502 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067747.D
Acq: 23 Nov 2020 15:53

Tgt Ion:	43	Resp:	925
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.8	46.2#





#31

Cyclohexane

Concen: 2.235 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067747.D

Acq: 23 Nov 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

MS-CON-ERE

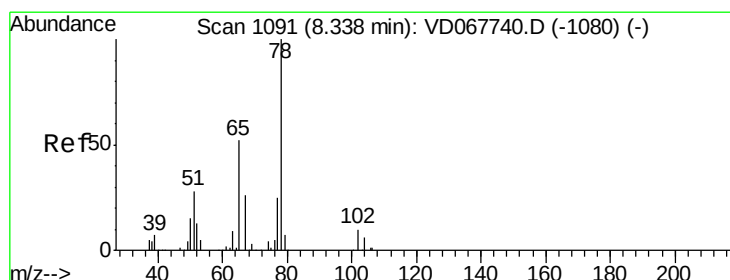
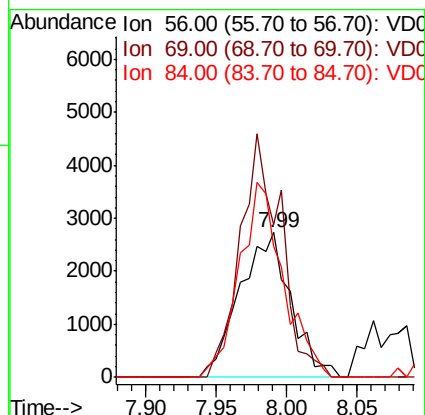
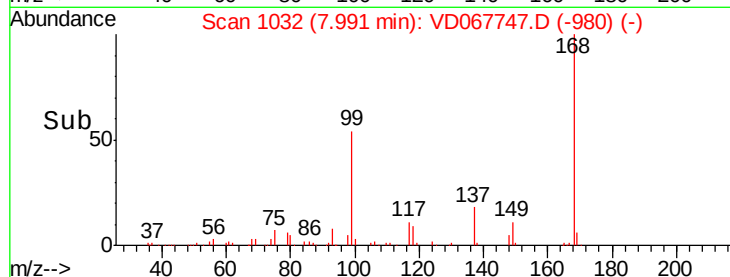
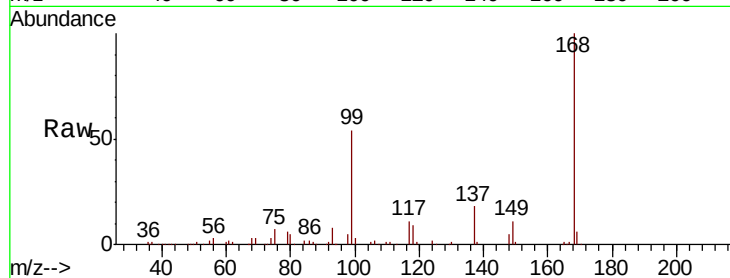
Tot Ion: 56 Resp: 6895

Ion Ratio Lower Upper

56 100

69 105.6 33.2 49.8#

84 90.1 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 44.627 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067747.D

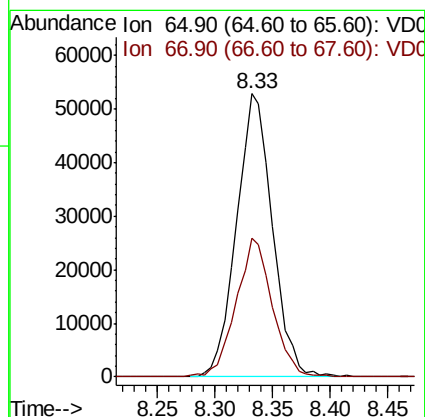
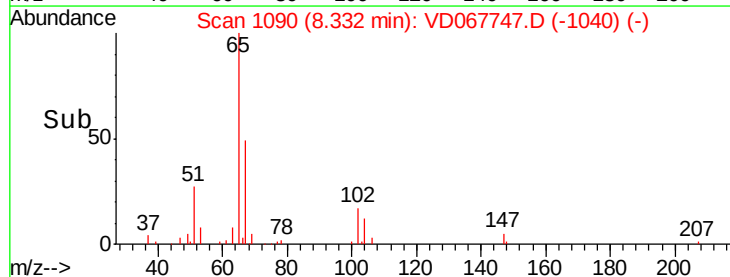
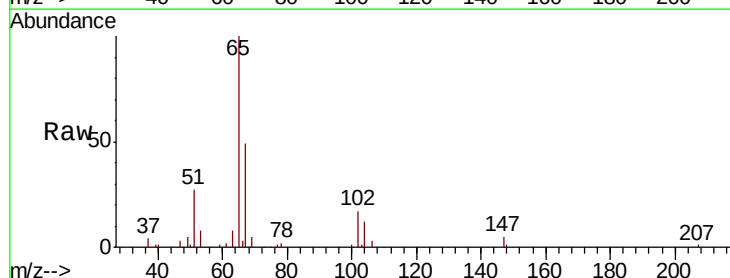
Acq: 23 Nov 2020 15:53

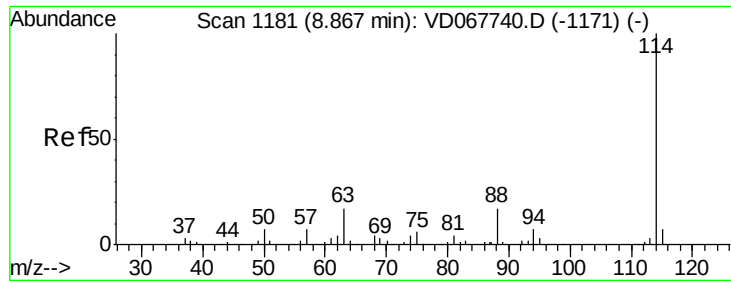
Tgt Ion: 65 Resp: 113790

Ion Ratio Lower Upper

65 100

67 49.7 0.0 101.0

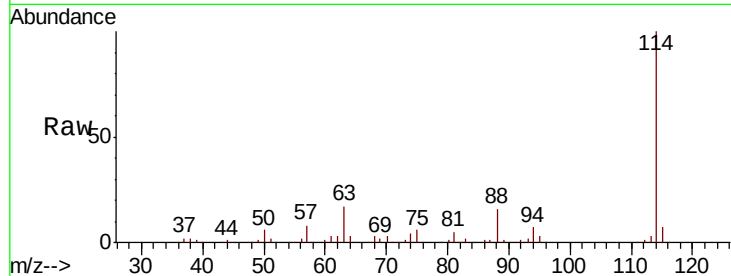




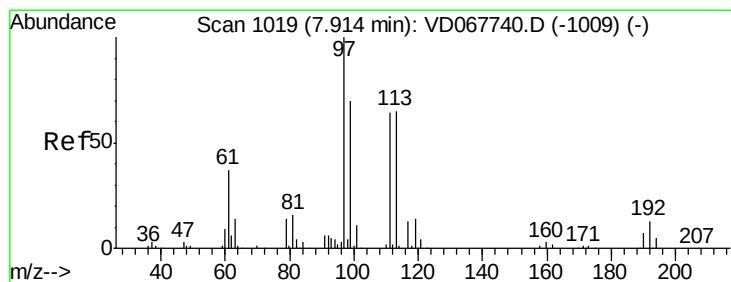
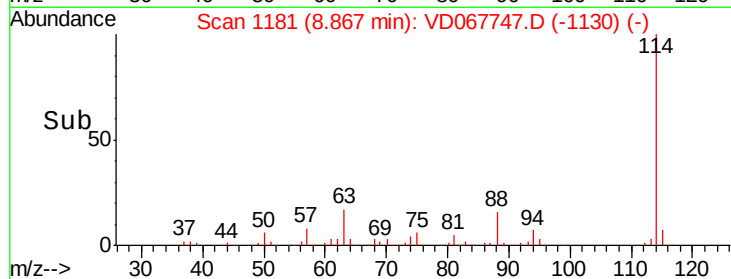
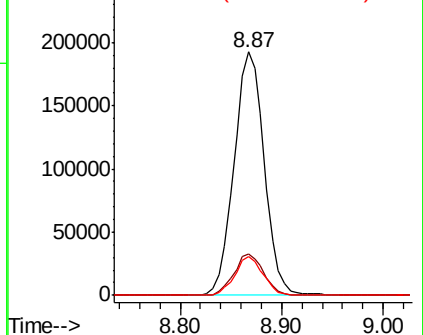
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067747.D
 Acq: 23 Nov 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-CON-ERE

Tot Ion:114 Resp: 396995
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.8
 88 16.1 0.0 34.4

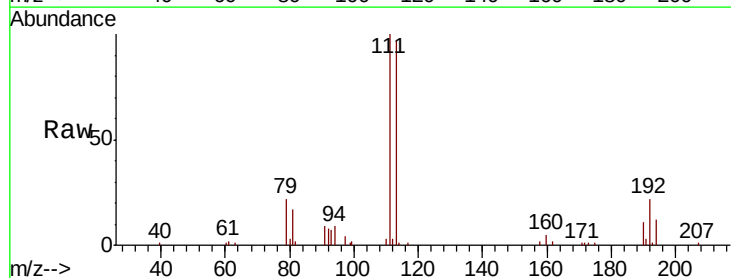


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

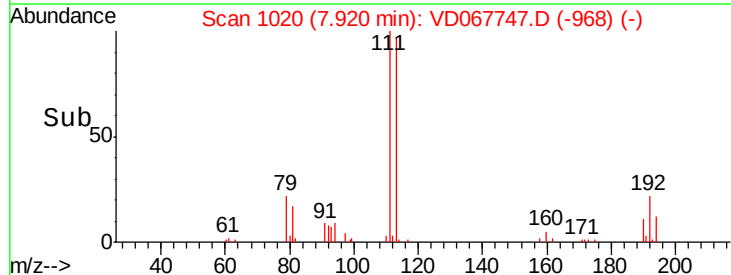
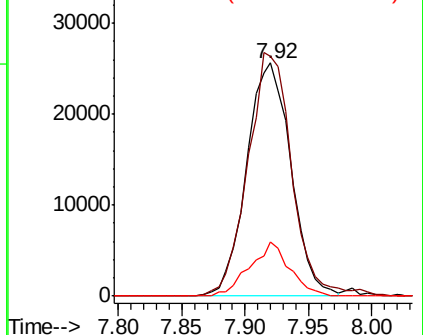


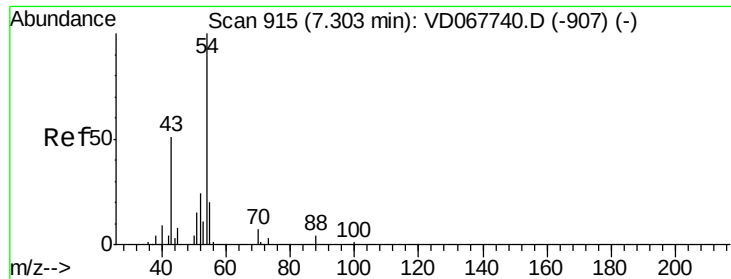
#35
 Dibromofluoromethane
 Concen: 24.707 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067747.D
 Acq: 23 Nov 2020 15:53

Tgt Ion:113 Resp: 62422
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.4 122.0
 192 20.7 17.0 25.4



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

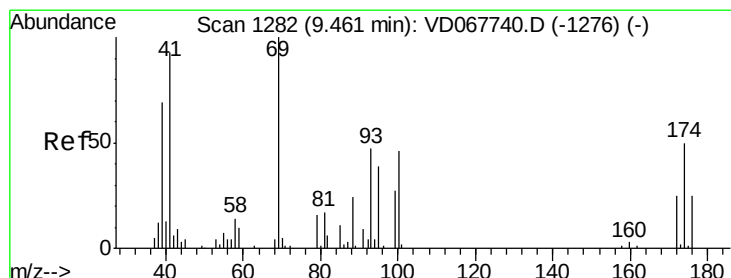
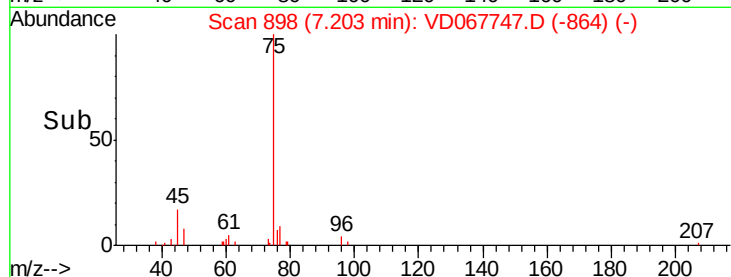
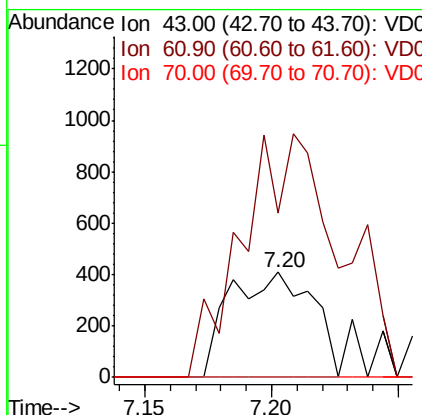
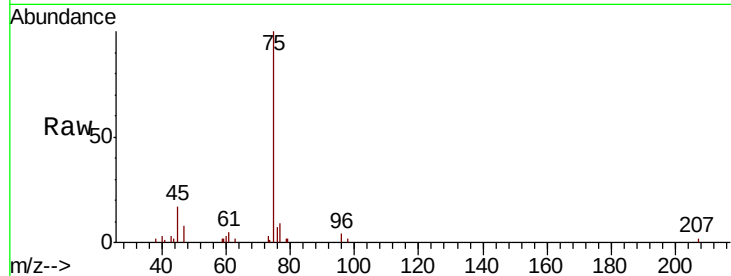




#37
Ethyl Acetate
Concen: 1.010 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.10 min
Lab File: VD067747.D
Acq: 23 Nov 2020 15:53

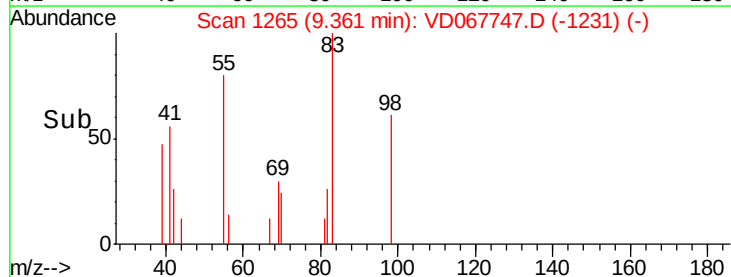
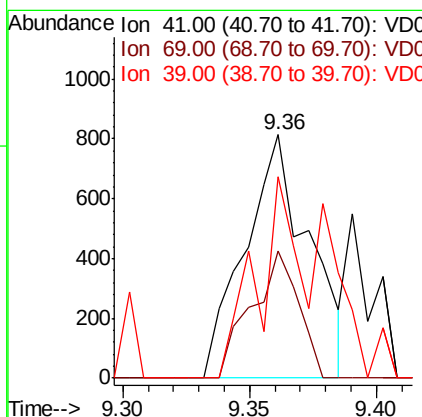
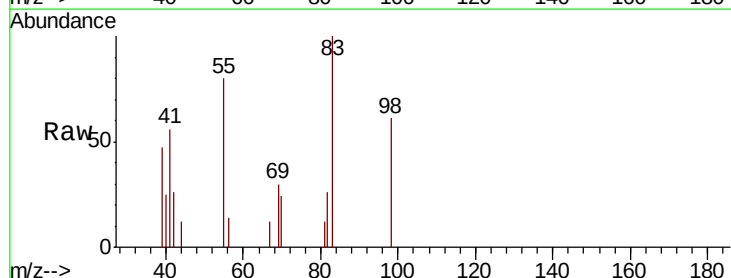
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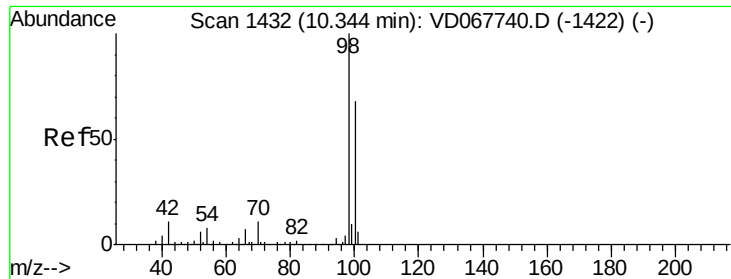
Tot Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
61 276.4 12.9 19.3#
70 0.0 12.2 18.2#



#48
Methyl methacrylate
Concen: 1.570 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.10 min
Lab File: VD067747.D
Acq: 23 Nov 2020 15:53

Tgt Ion: 41 Resp: 1436
Ion Ratio Lower Upper
41 100
69 38.0 87.8 131.6#
39 52.3 60.5 90.7#

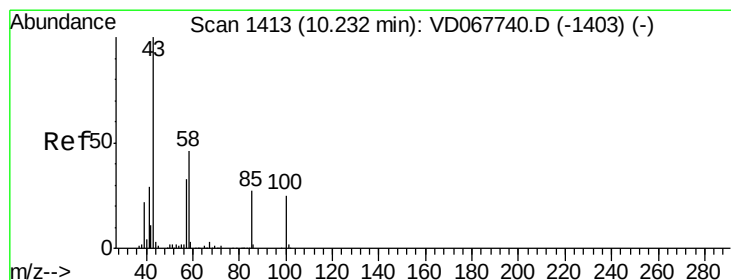
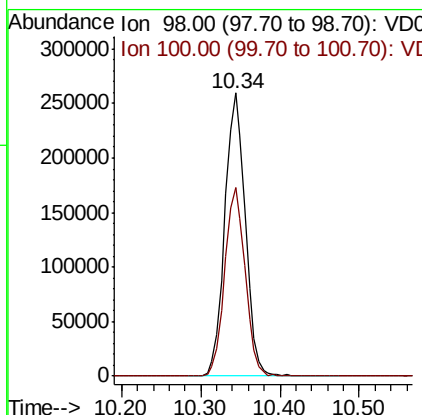
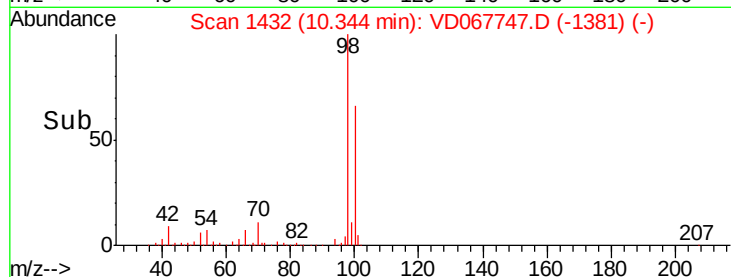
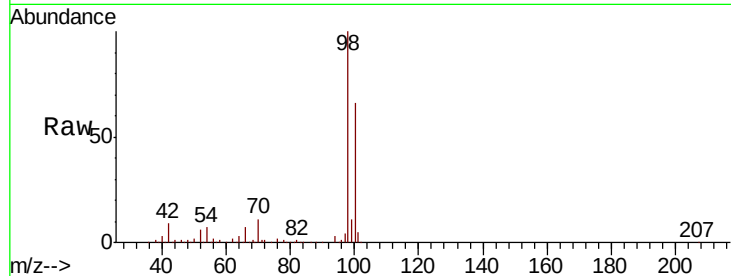




#50
Toluene-d8
Concen: 50.292 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067747.D
Acq: 23 Nov 2020 15:53

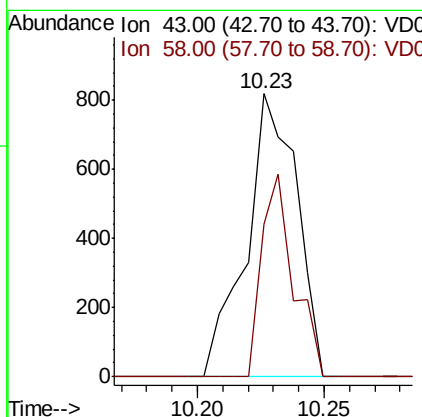
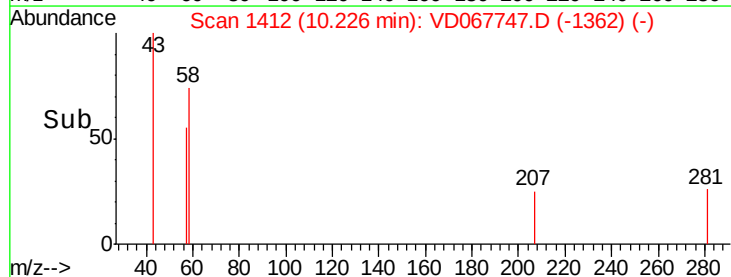
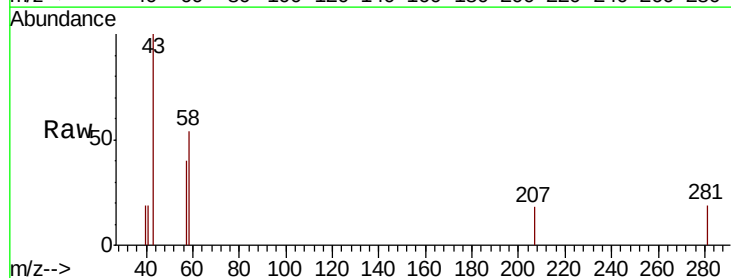
Instrument :
MSVOA_D
ClientSampleId :
MS-CON-ERE

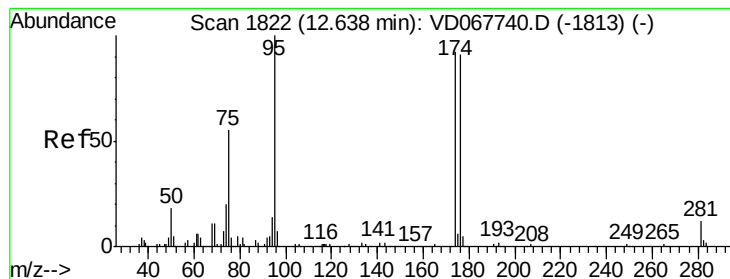
Tot Ion: 98 Resp: 464545
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.328 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD067747.D
Acq: 23 Nov 2020 15:53

Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
58 45.4 34.7 52.1





#62

4-Bromofluorobenzene

Concen: 60.758 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067747.D

Acq: 23 Nov 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

MS-CON-ERE

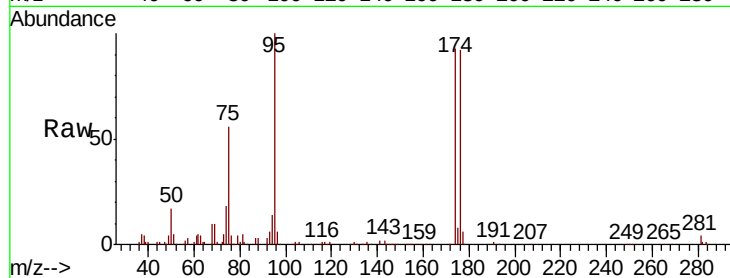
Tot Ion: 95 Resp: 191827

Ion Ratio Lower Upper

95 100

174 94.8 0.0 182.4

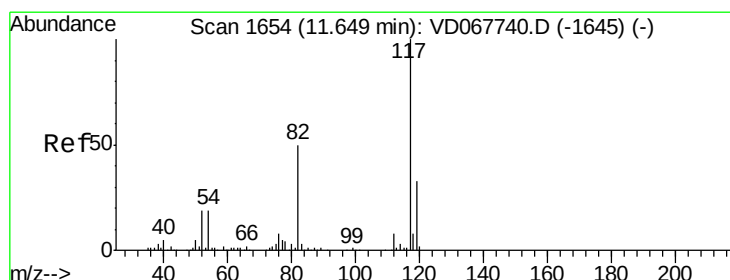
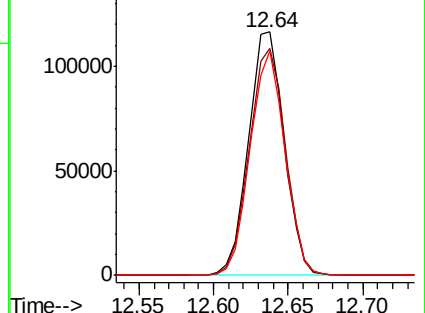
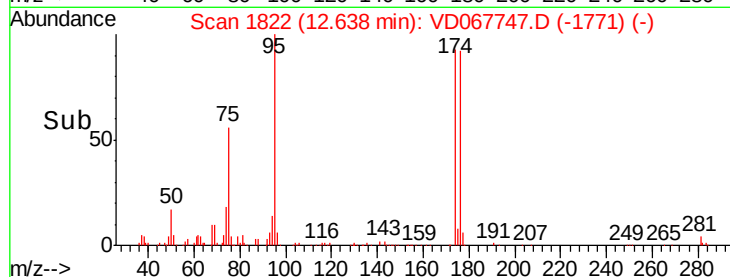
176 89.8 0.0 178.2



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: VD067747.D

Acq: 23 Nov 2020 15:53

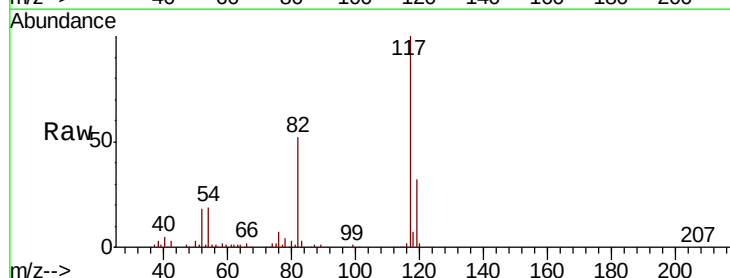
Tgt Ion: 117 Resp: 419198

Ion Ratio Lower Upper

117 100

82 51.5 40.2 60.4

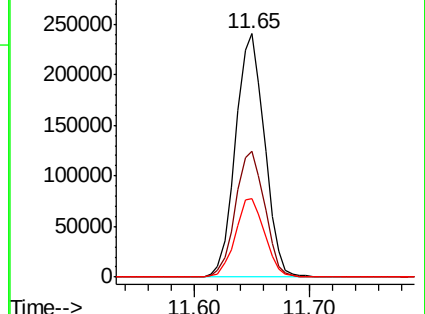
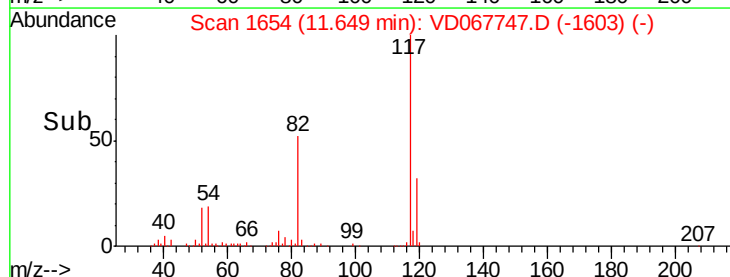
119 32.2 26.5 39.7

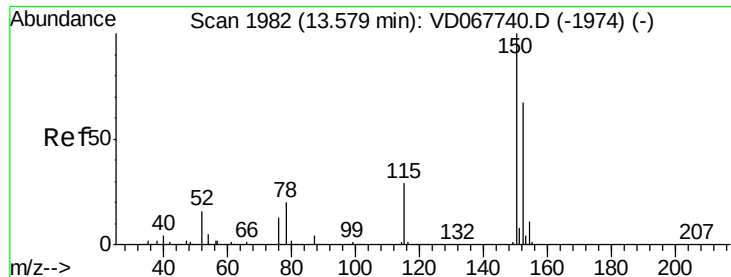


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

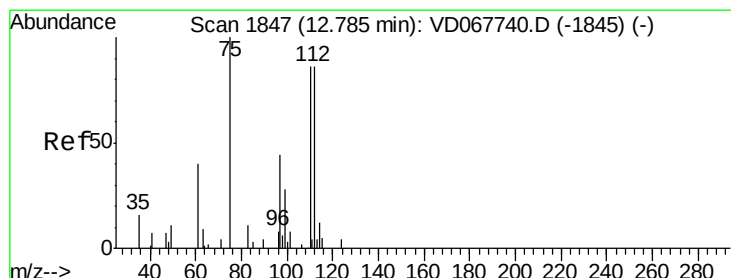
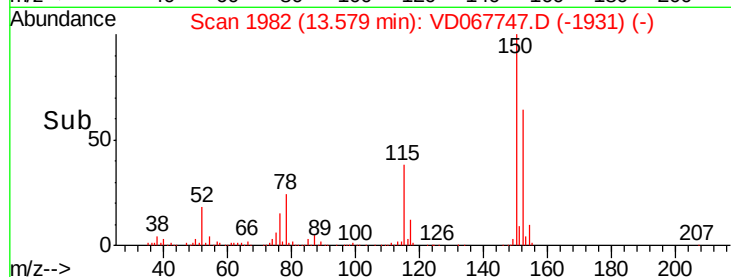
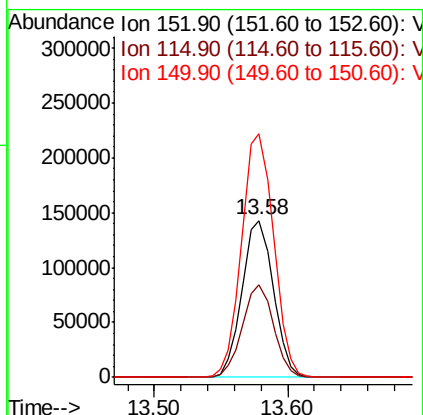
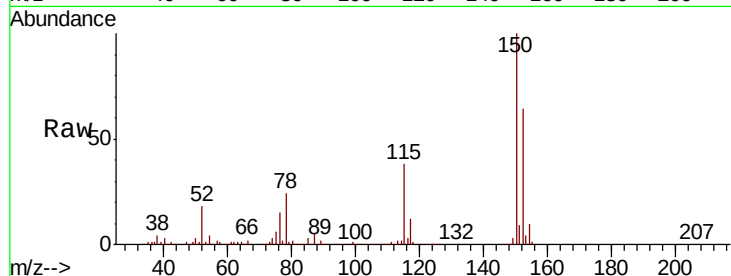




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD067747.D
 Acq: 23 Nov 2020 15:53

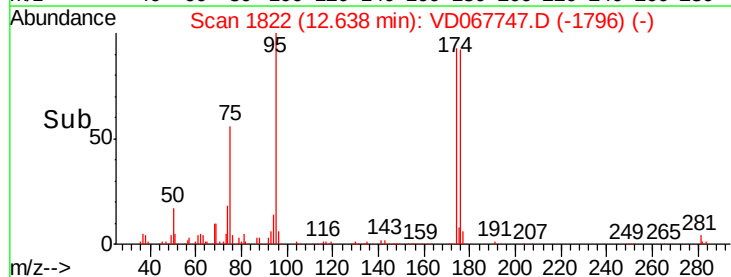
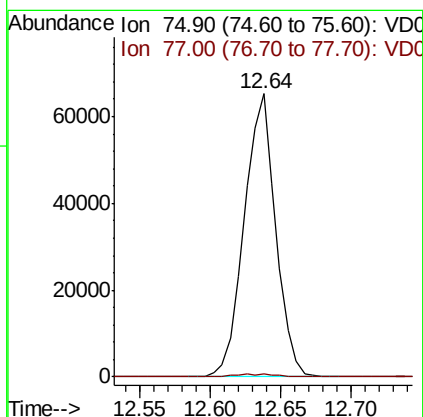
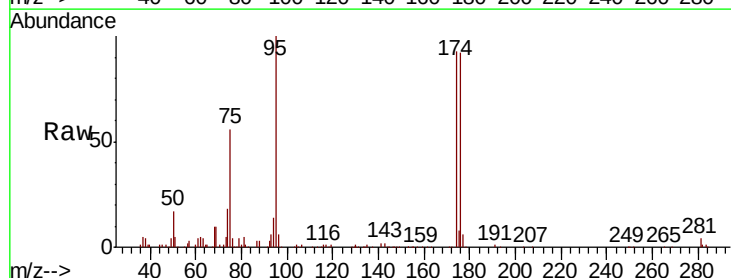
Instrument :
 MSVOA_D
 ClientSampleId :
 MS-CON-ERE

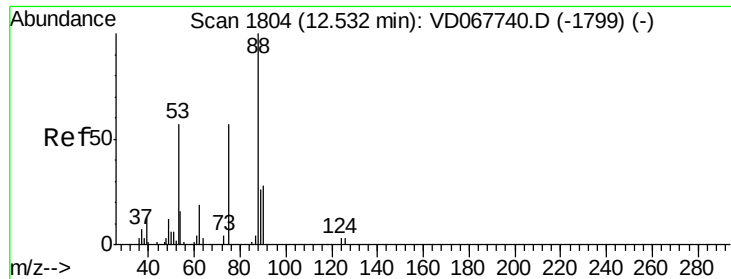
Tot Ion:152 Resp: 232652
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.4 88.3
 150 158.7 0.0 340.6



#76
 1,2,3-Trichloropropane
 Concen: 62.793 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067747.D
 Acq: 23 Nov 2020 15:53

Tgt Ion: 75 Resp: 101817
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.868 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067747.D

Acq: 23 Nov 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

MS-CON-ERE

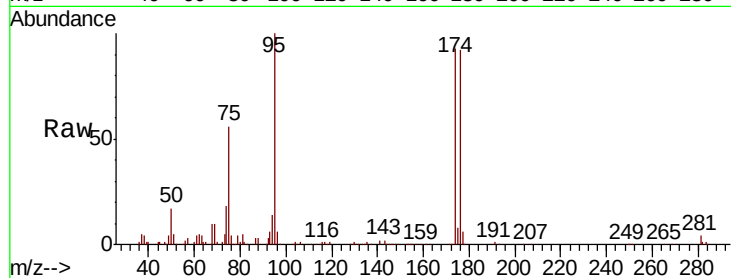
Tot Ion: 75 Resp: 101817

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

