

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070681.D
 Acq On : 12 Oct 2021 16:04
 Operator : VA/SY
 Sample : M4172-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-3-101121

Quant Time: Oct 13 06:37:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

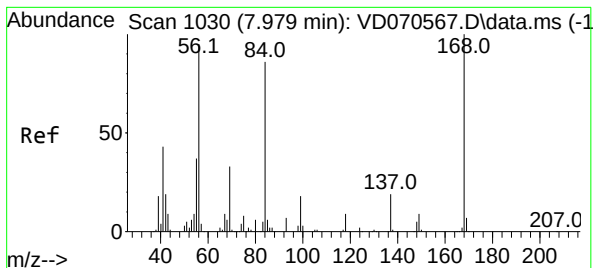
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	294932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	579619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	535179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	196049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180105	51.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.780%			
35) Dibromofluoromethane	7.914	113	196681	51.038	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.080%			
50) Toluene-d8	10.338	98	733207	49.770	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.540%			
62) 4-Bromofluorobenzene	12.626	95	213012	43.262	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.520%			
Target Compounds						
5) Bromomethane	2.774	94	973	Below Cal	#	55
20) Methylene Chloride	4.968	84	12079	Below Cal	#	72
31) Cyclohexane	7.979	56	6690	1.041	ug/l #	13
36) 1,1-Dichloropropene	7.973	75	26094	4.239	ug/l #	50
38) Carbon Tetrachloride	7.979	117	31565	4.900	ug/l #	17
51) 4-Methyl-2-Pentanone	10.326	43	2271	1.175	ug/l #	1
56) Ethyl methacrylate	10.673	69	148	1.411	ug/l #	84
59) 2-Hexanone	10.944	43	126	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.620	75	98819	55.690	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	98819	123.641	ug/l #	17
95) Naphthalene	15.379	128	126	2.509	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070681.D

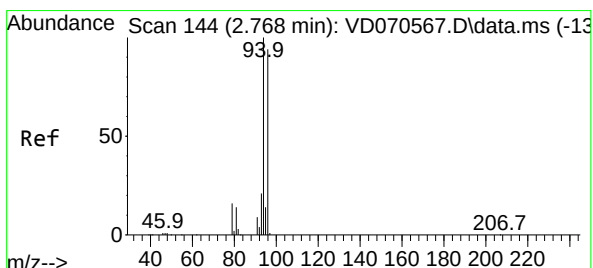
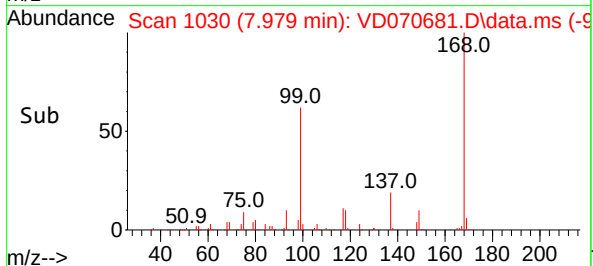
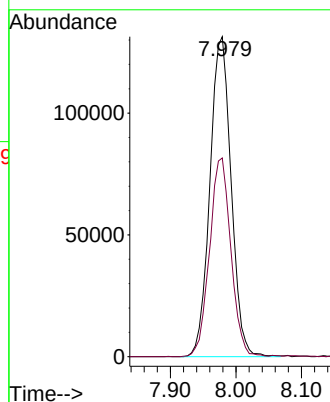
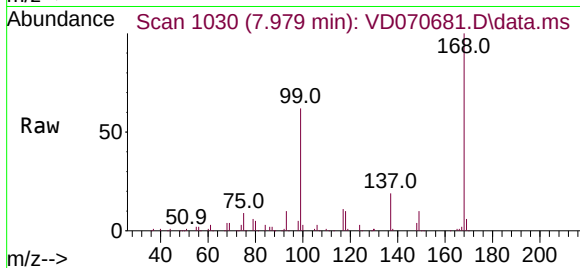
Acq: 12 Oct 2021 16:04

Tgt Ion:168 Resp: 294932

Ion Ratio Lower Upper

168 100

99 62.1 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.774 min Scan# 145

Delta R.T. 0.006 min

Lab File: VD070681.D

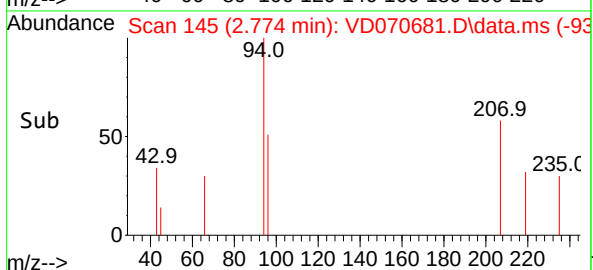
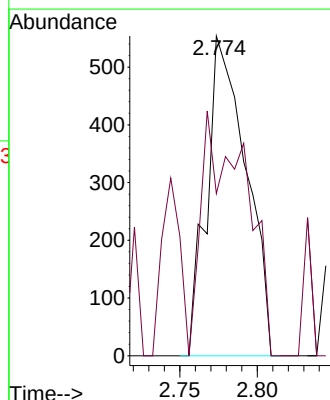
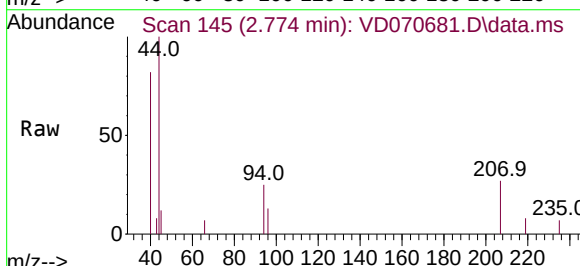
Acq: 12 Oct 2021 16:04

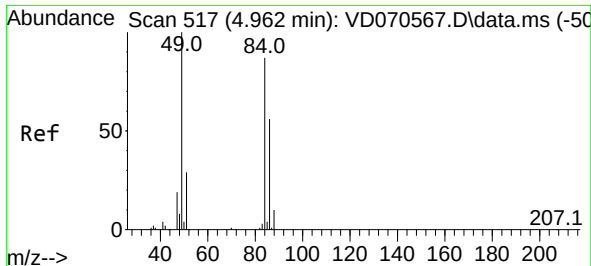
Tgt Ion: 94 Resp: 973

Ion Ratio Lower Upper

94 100

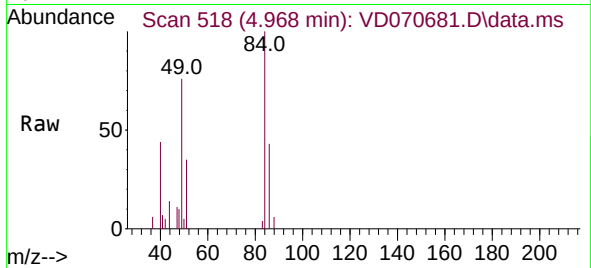
96 50.7 75.5 113.3#



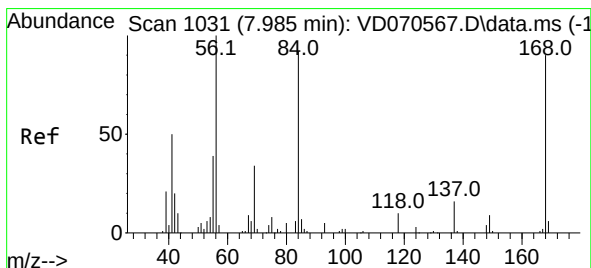
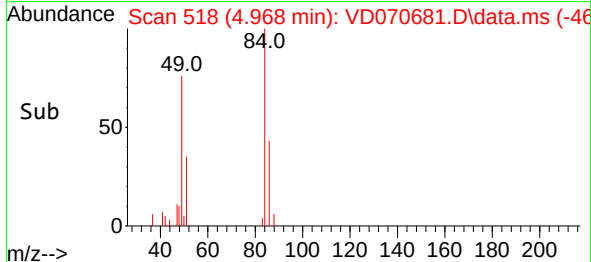
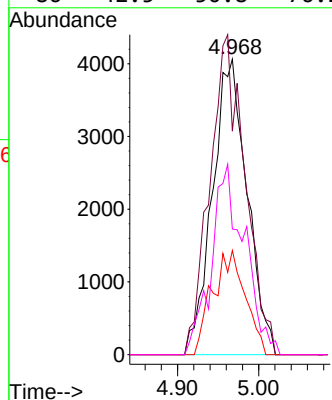


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

Instrument :
MSVOA_D
ClientSampleId :
OK-3-101121

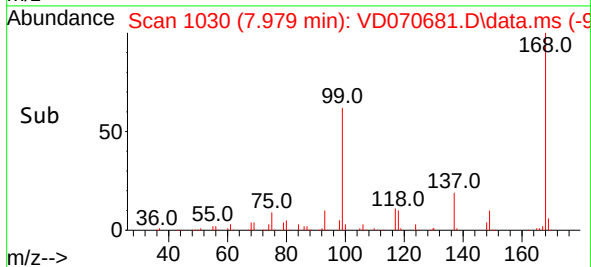
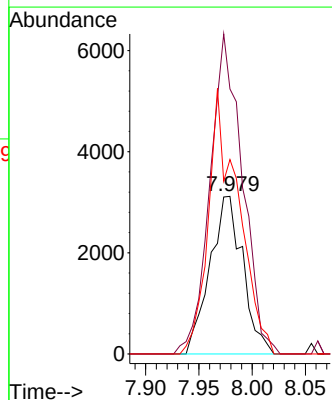
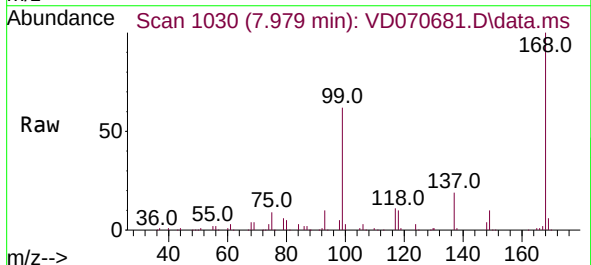


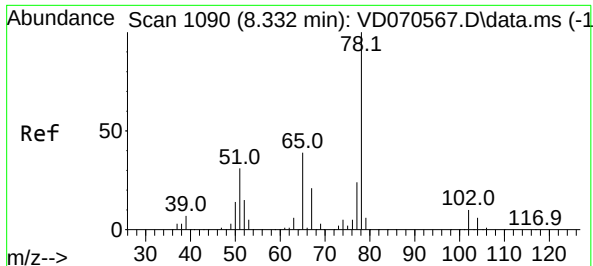
Tgt Ion:	84	Resp:	12079
Ion	Ratio	Lower	Upper
84	100		
49	75.7	91.4	137.2#
51	35.2	26.7	40.1
86	42.5	50.8	76.2#



#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

Tgt Ion:	56	Resp:	6690
Ion	Ratio	Lower	Upper
56	100		
69	168.1	27.4	41.2#
84	123.3	73.6	110.4#

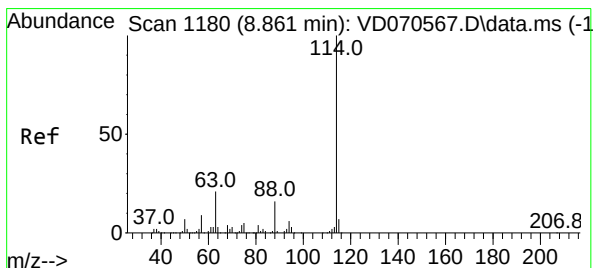
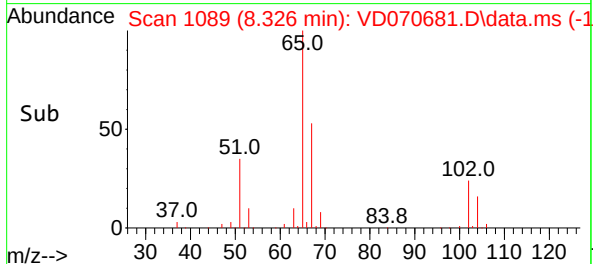
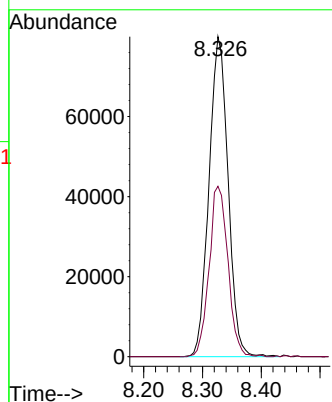
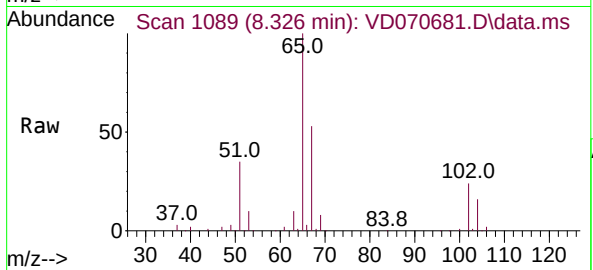




#33
 1,2-Dichloroethane-d4
 Concen: 51.889 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD070681.D
 Acq: 12 Oct 2021 16:04

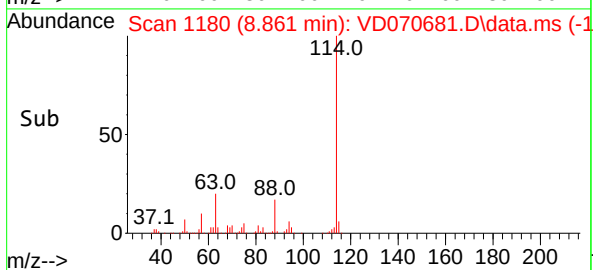
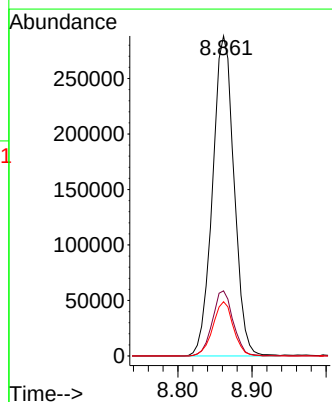
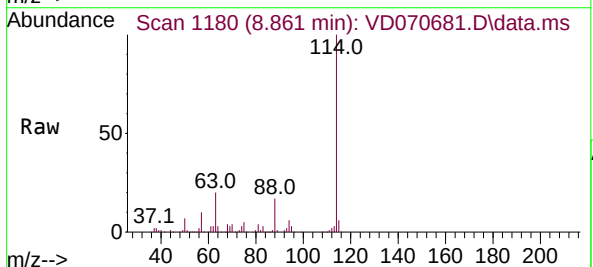
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-3-101121

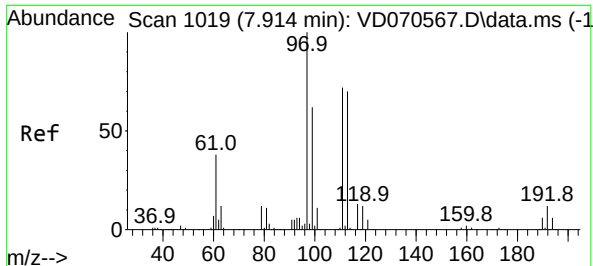
Tgt Ion: 65 Resp: 180105
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VD070681.D
 Acq: 12 Oct 2021 16:04

Tgt Ion: 114 Resp: 579619
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.038 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070681.D

Acq: 12 Oct 2021 16:04

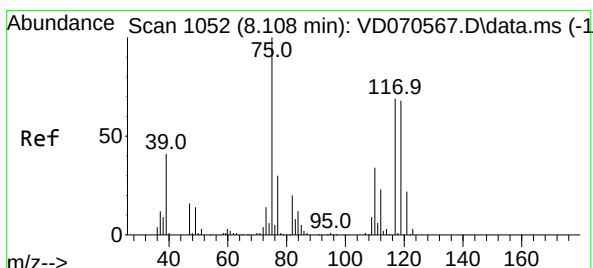
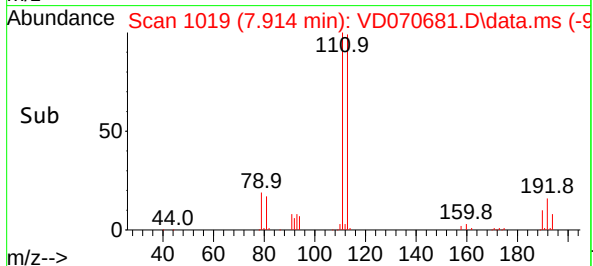
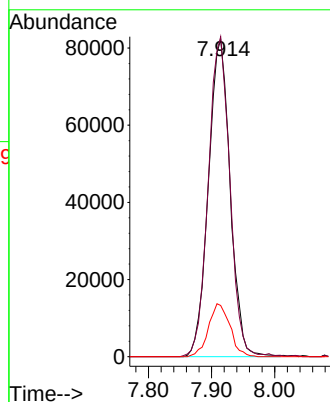
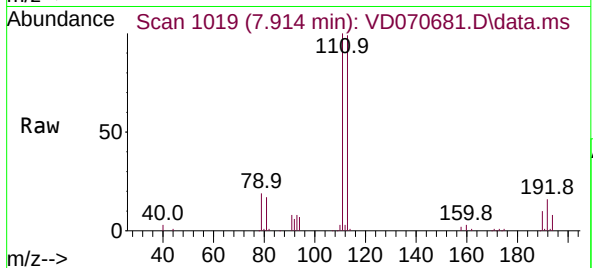
Tgt Ion:113 Resp: 196681

Ion Ratio Lower Upper

113 100

111 100.3 83.1 124.7

192 16.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.239 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070681.D

Acq: 12 Oct 2021 16:04

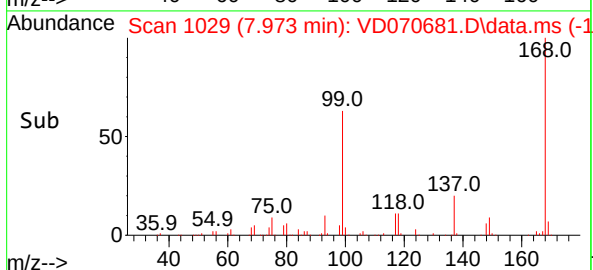
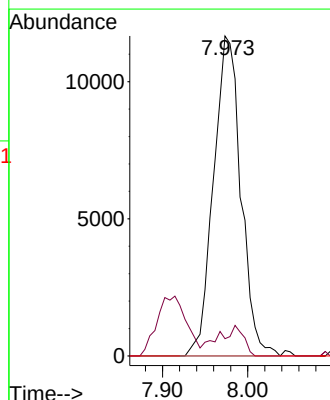
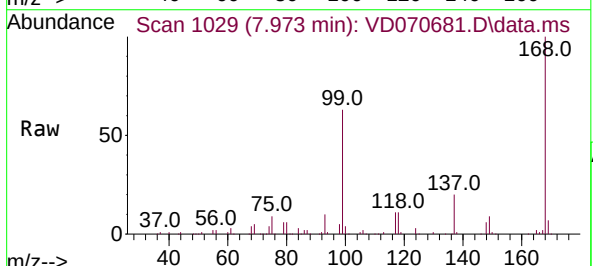
Tgt Ion: 75 Resp: 26094

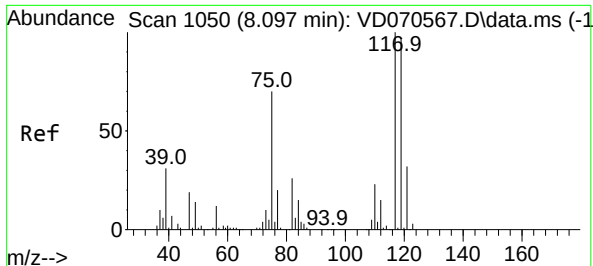
Ion Ratio Lower Upper

75 100

110 8.3 17.2 51.6#

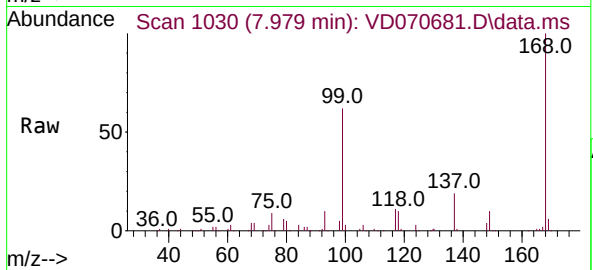
77 0.0 24.2 36.4#



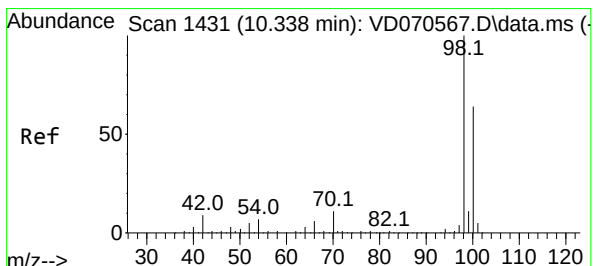
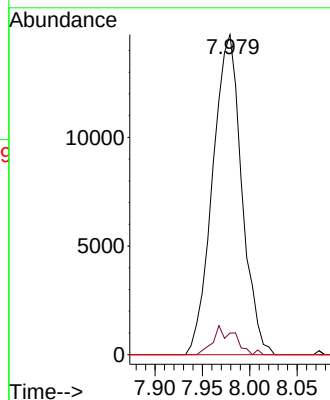
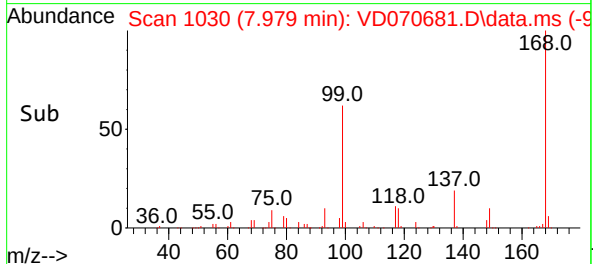


#38
Carbon Tetrachloride
Concen: 4.900 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

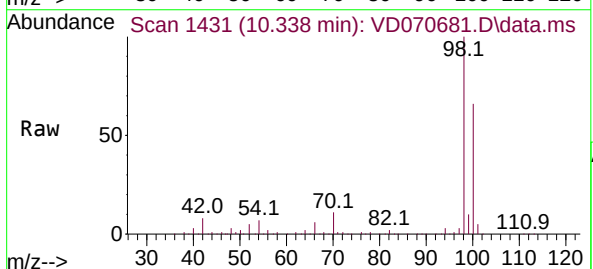
Instrument :
MSVOA_D
ClientSampleId :
OK-3-101121



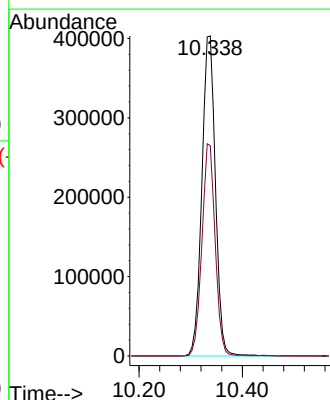
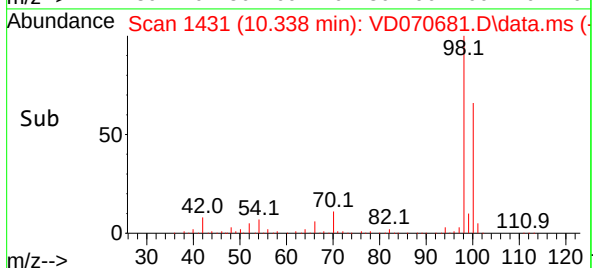
Tgt Ion:117 Resp: 31565
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 25.4 38.0#

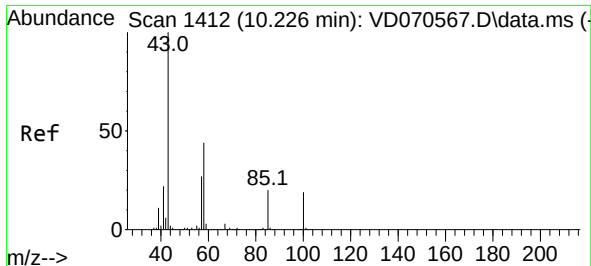


#50
Toluene-d8
Concen: 49.770 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04



Tgt Ion: 98 Resp: 733207
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

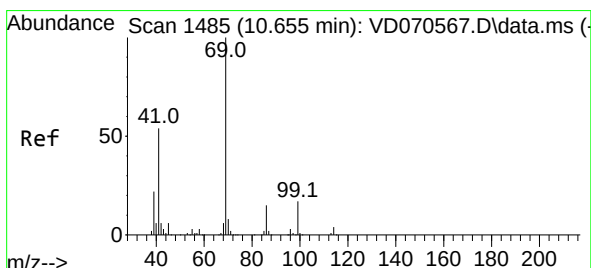
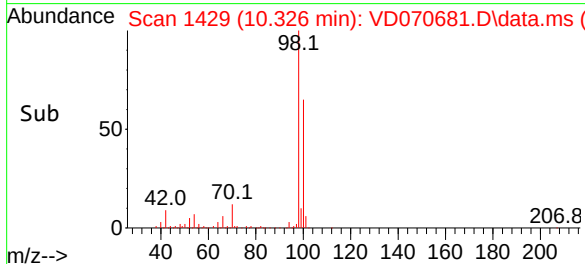
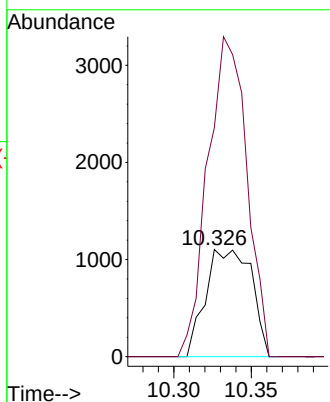
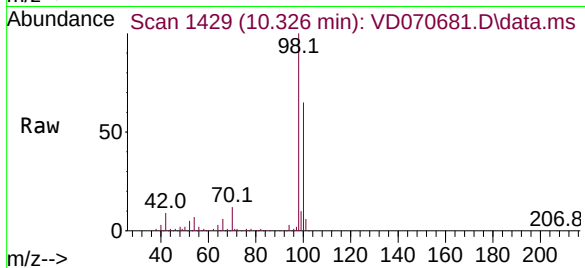




#51
4-Methyl-2-Pentanone
Concen: 1.175 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

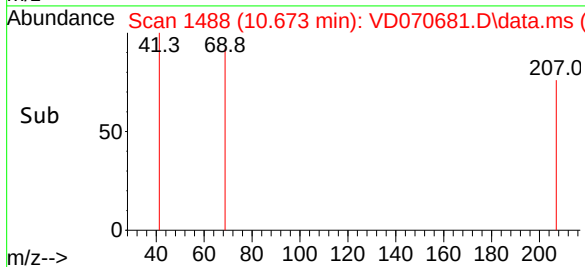
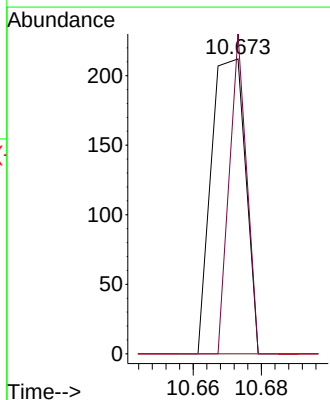
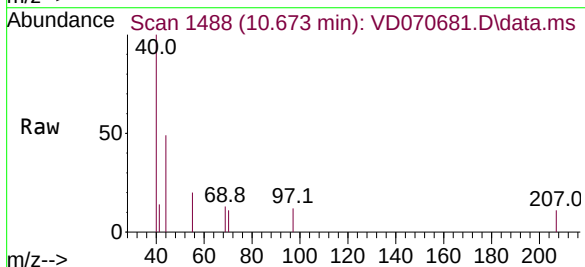
Instrument :
MSVOA_D
ClientSampleId :
OK-3-101121

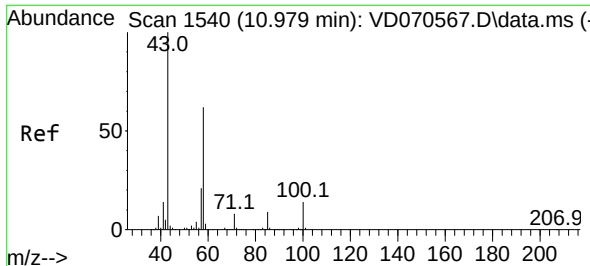
Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
58 254.3 35.0 52.6#



#56
Ethyl methacrylate
Concen: 1.411 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

Tgt Ion: 69 Resp: 148
Ion Ratio Lower Upper
69 100
41 54.7 44.7 67.1
39 0.0 19.5 29.3#

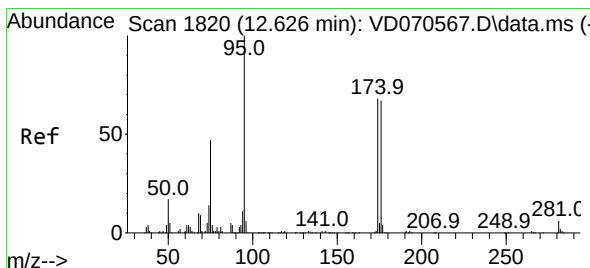
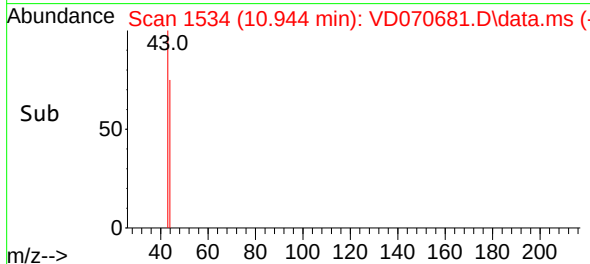
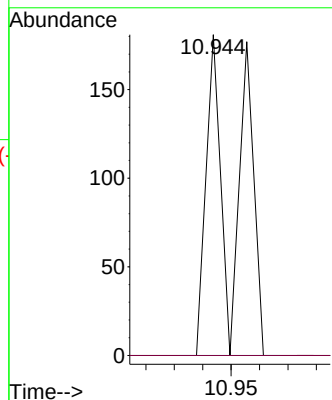
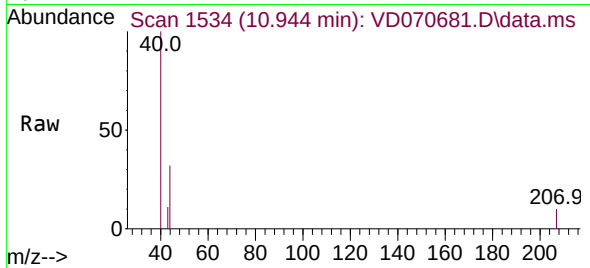




#59
2-Hexanone
Concen: Below Cal
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

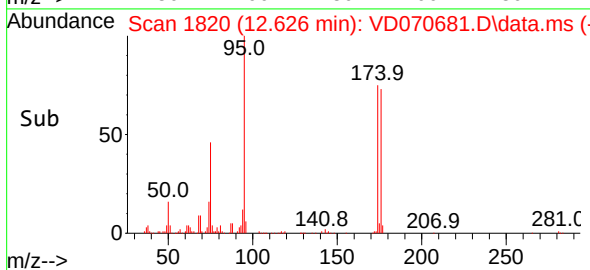
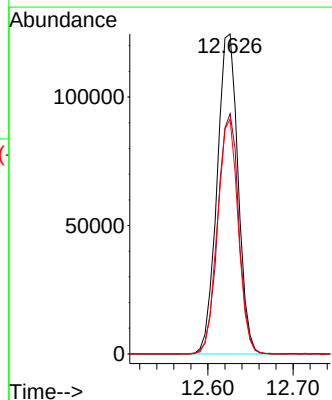
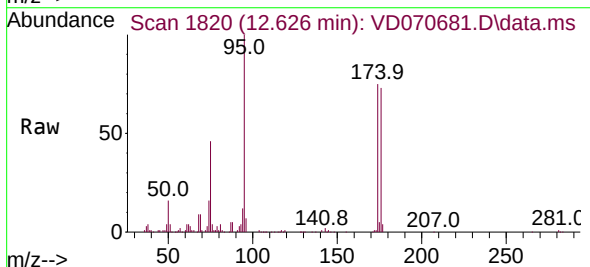
Instrument :
MSVOA_D
ClientSampleId :
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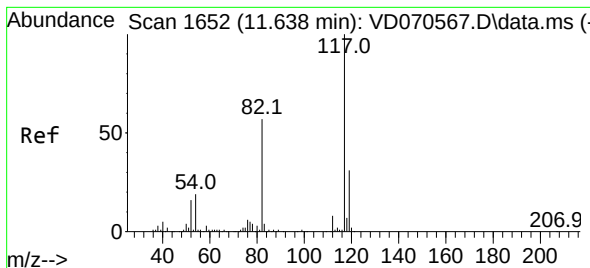
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 43.262 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

Tgt Ion: 95 Resp: 213012
Ion Ratio Lower Upper
95 100
174 74.6 0.0 138.0
176 72.3 0.0 135.6

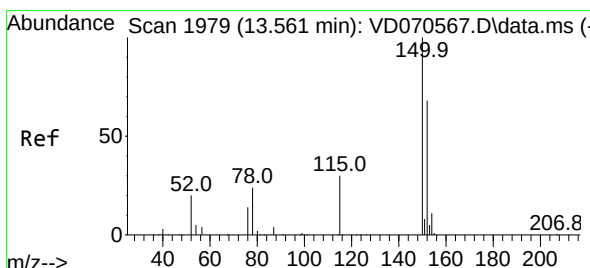
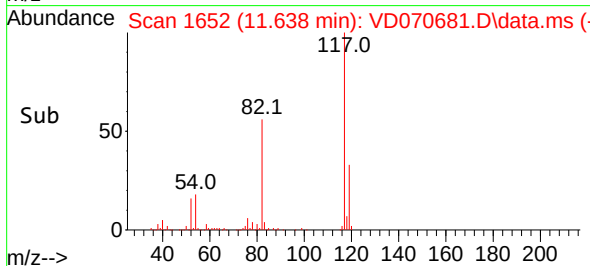
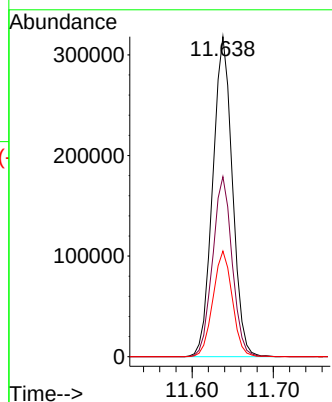
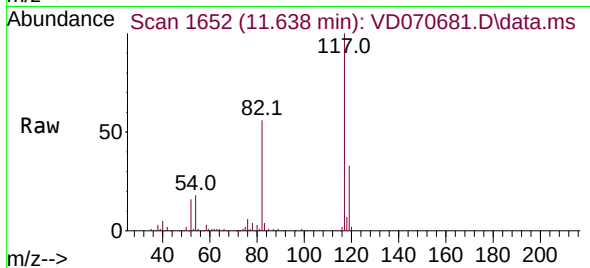




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

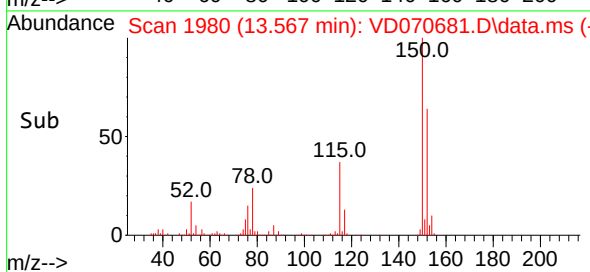
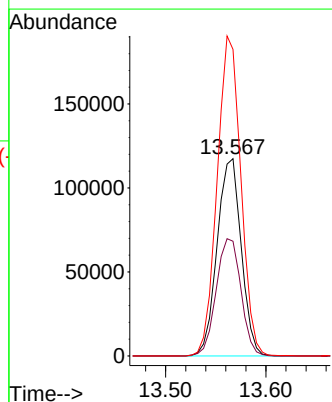
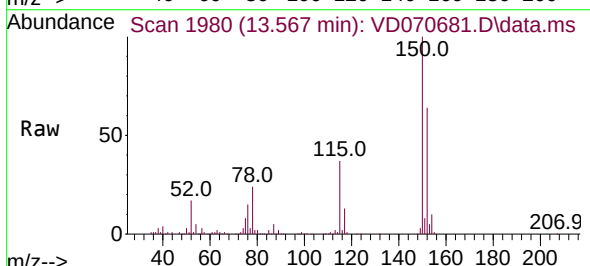
Instrument :
MSVOA_D
ClientSampleId :
OK-3-101121

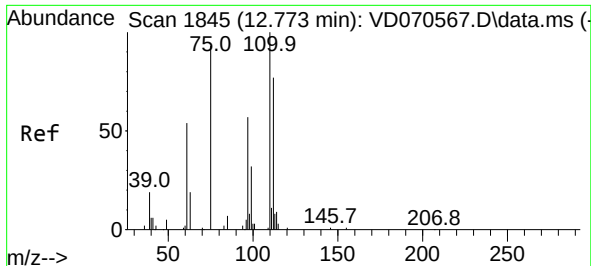
Tgt Ion:117 Resp: 535179
Ion Ratio Lower Upper
117 100
82 56.3 45.4 68.2
119 33.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

Tgt Ion:152 Resp: 196049
Ion Ratio Lower Upper
152 100
115 61.0 31.9 95.7
150 159.5 0.0 350.0

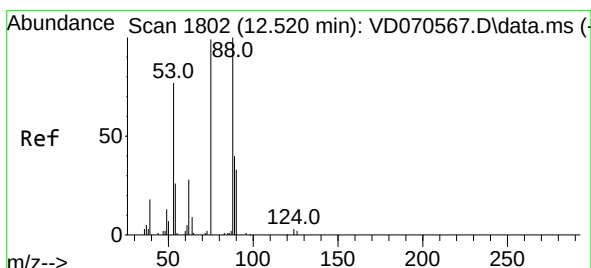
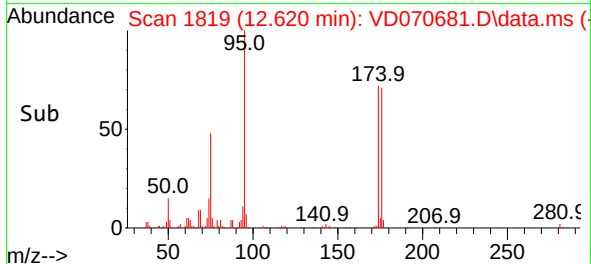
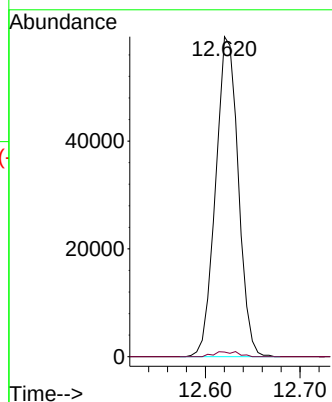
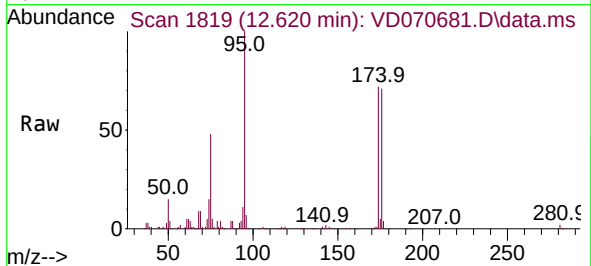




#76
1,2,3-Trichloropropane
Concen: 55.690 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

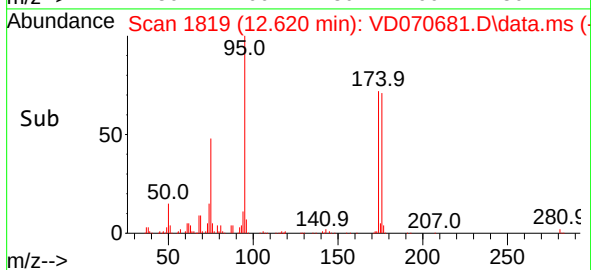
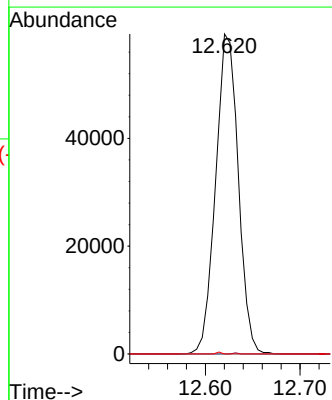
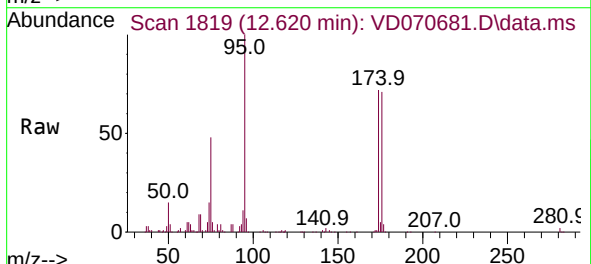
Instrument :
MSVOA_D
ClientSampleId :
OK-3-101121

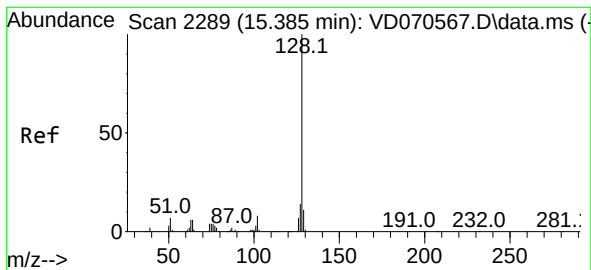
Tgt Ion: 75 Resp: 98819
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.641 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

Tgt Ion: 75 Resp: 98819
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 2.509 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070681.D
Acq: 12 Oct 2021 16:04

Instrument :
MSVOA_D
ClientSampleId :
OK-3-101121

Tgt Ion:128 Resp: 126
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

