

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073043.D
 Acq On : 16 May 2022 19:05
 Operator : VA/SY
 Sample : N2816-23
 Misc : 6.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS015-0006-01

Quant Time: May 17 03:30:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

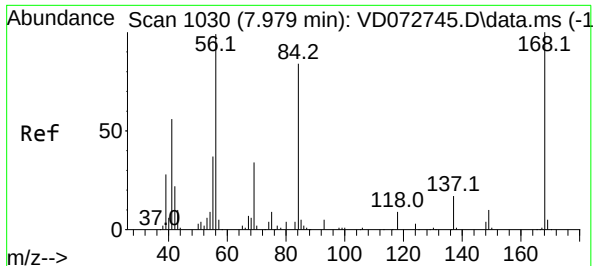
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	296336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	546996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	544257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	166611	43.313	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.620%		
35) Dibromofluoromethane	7.908	113	183134	47.671	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.340%		
50) Toluene-d8	10.332	98	676300	49.077	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.160%		
62) 4-Bromofluorobenzene	12.620	95	273288	53.187	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.380%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	993	Below Cal	#	79
11) Tert butyl alcohol	5.185	59	12033	36.155	ug/l #	74
13) Acrolein	3.944	56	59	Below Cal	#	14
16) Acetone	4.156	43	1811	Below Cal	#	87
18) Methyl Acetate	4.909	43	125	Below Cal	#	55
20) Methylene Chloride	4.967	84	21286	Below Cal		84
25) 2-Butanone	7.185	43	2124	1.895	ug/l #	52
31) Cyclohexane	7.967	56	7623	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	25481	4.079	ug/l #	51
38) Carbon Tetrachloride	7.973	117	31471	4.853	ug/l #	18
74) N-amyl acetate	12.243	43	6832	1.365	ug/l #	66
76) 1,2,3-Trichloropropane	12.620	75	141835	49.247	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	141835	113.248	ug/l #	7

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

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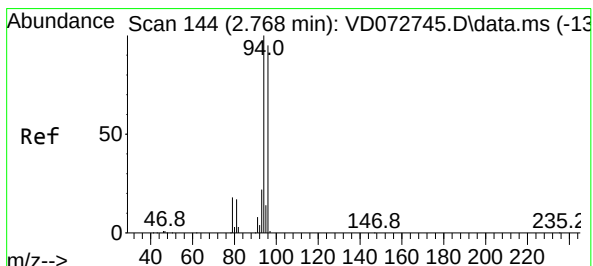
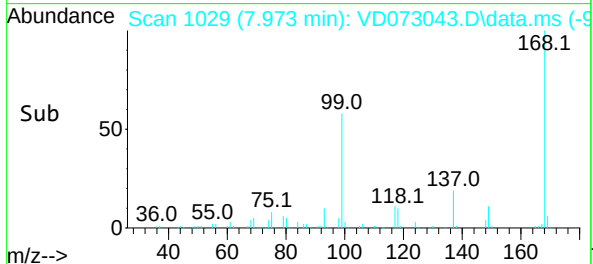
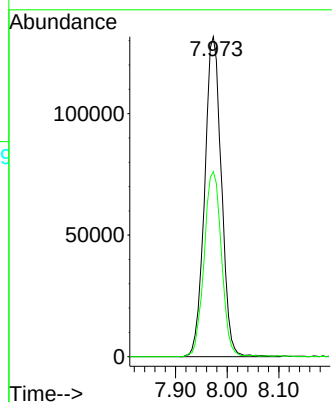
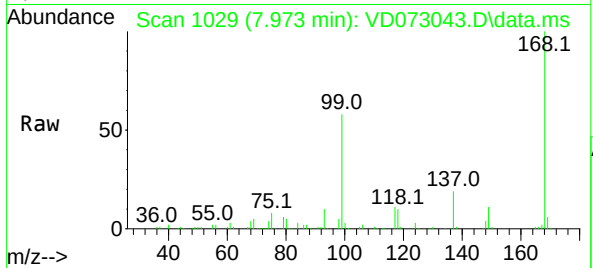




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

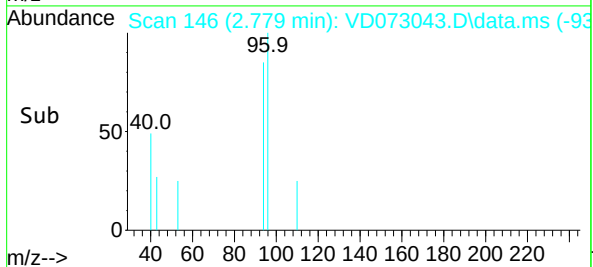
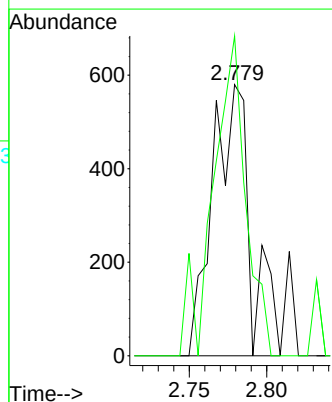
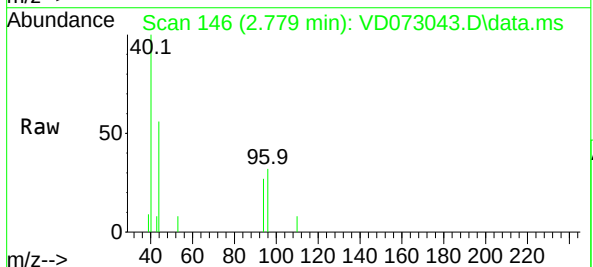
Instrument :
MSVOA_D
ClientSampleId :
P007-SS015-0006-01

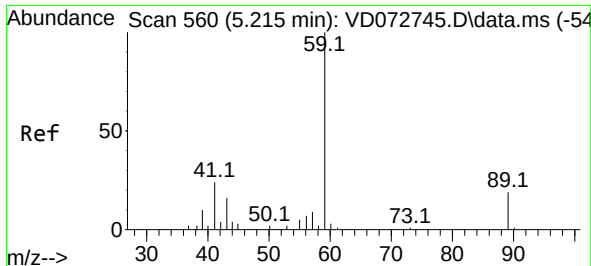
Tgt Ion:168 Resp: 296336
Ion Ratio Lower Upper
168 100
99 57.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 94 Resp: 993
Ion Ratio Lower Upper
94 100
96 117.9 77.6 116.4#

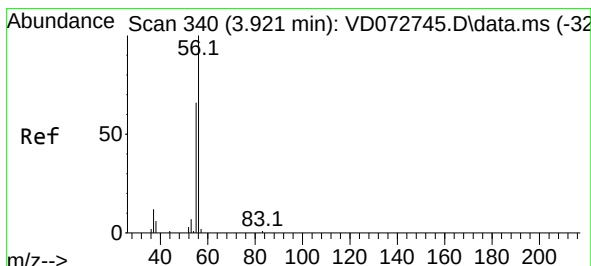
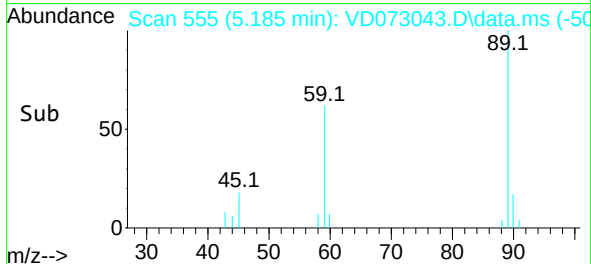
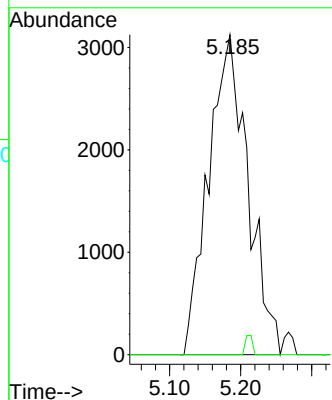
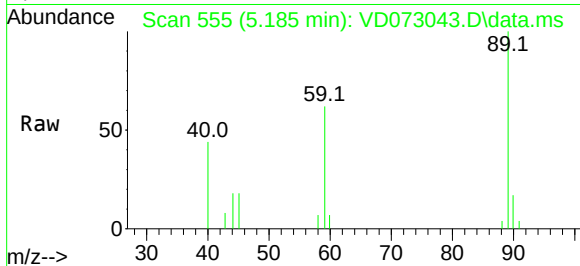




#11
Tert butyl alcohol
Concen: 36.155 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

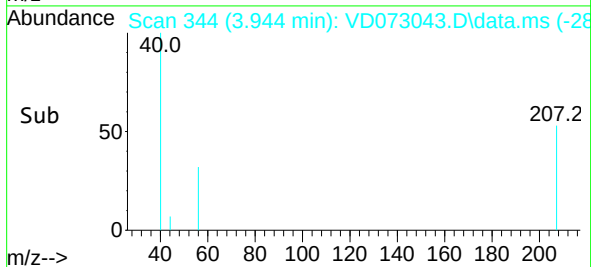
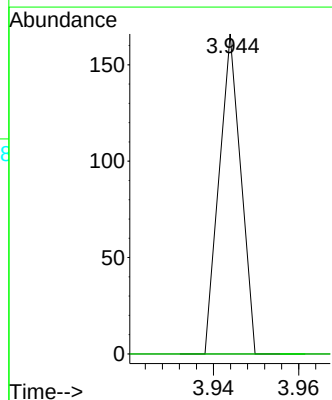
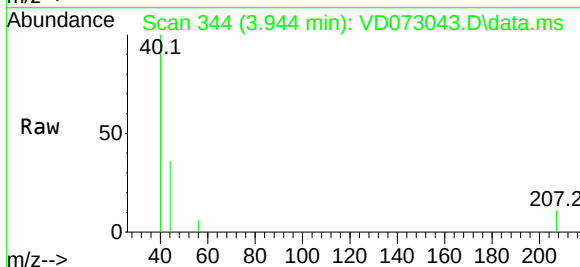
Instrument :
MSVOA_D
ClientSampleId :
P007-SS015-0006-01

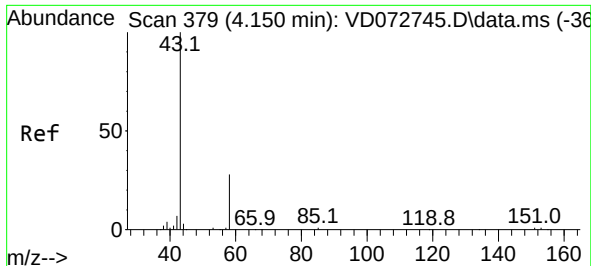
Tgt Ion: 59 Resp: 12033
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.944 min Scan# 344
Delta R.T. 0.023 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

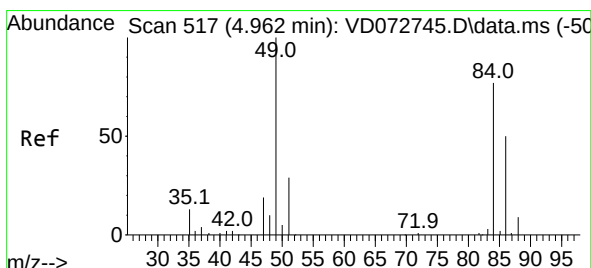
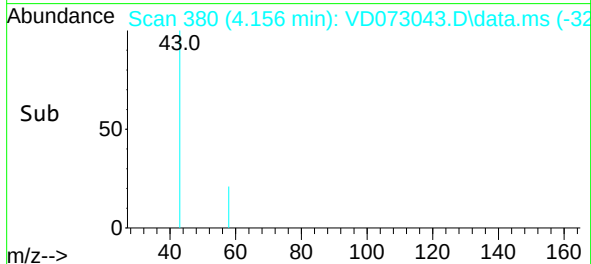
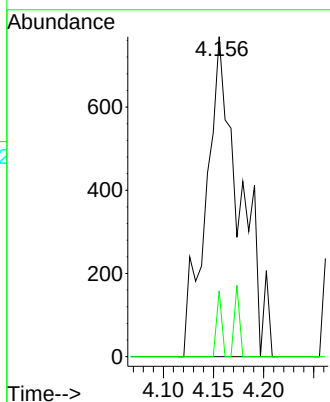
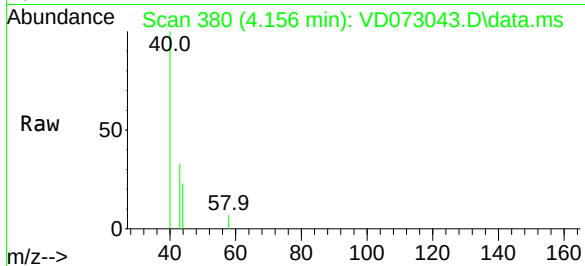




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

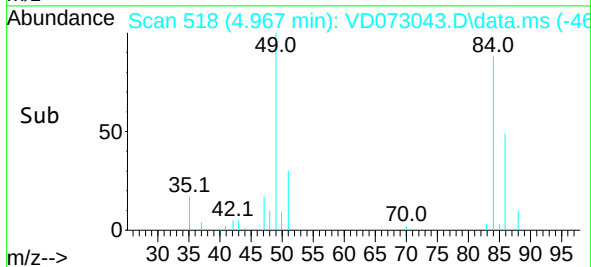
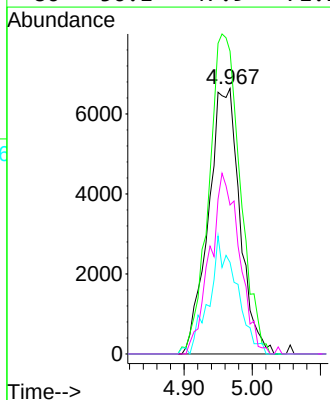
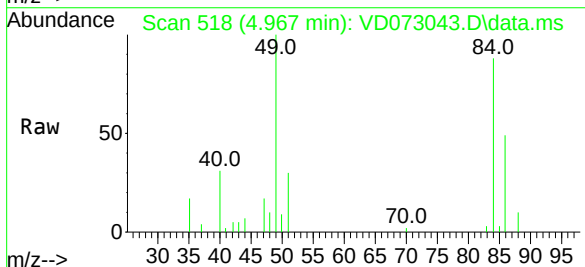
Instrument :
MSVOA_D
ClientSampleId :
P007-SS015-0006-01

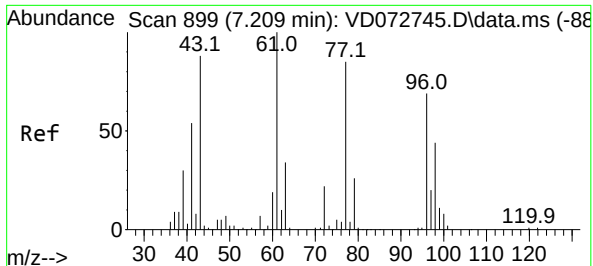
Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 20.5 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 84 Resp: 21286
Ion Ratio Lower Upper
84 100
49 114.0 112.8 169.2
51 34.5 32.6 48.8
86 56.1 47.9 71.9

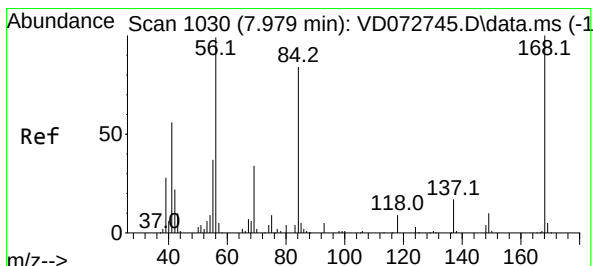
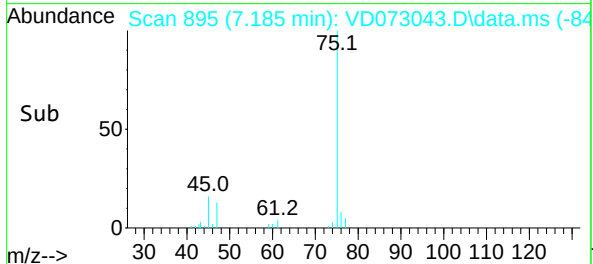
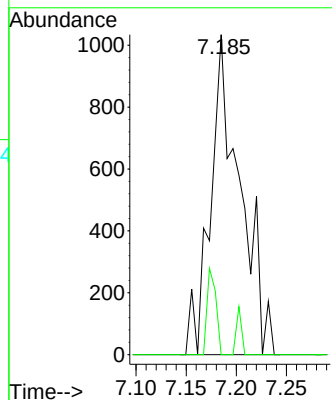
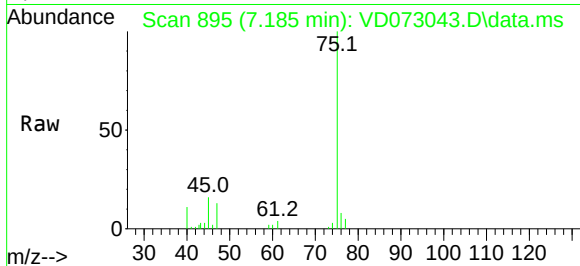




#25
2-Butanone
Concen: 1.895 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.024 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

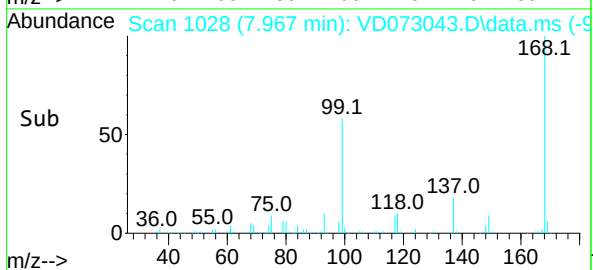
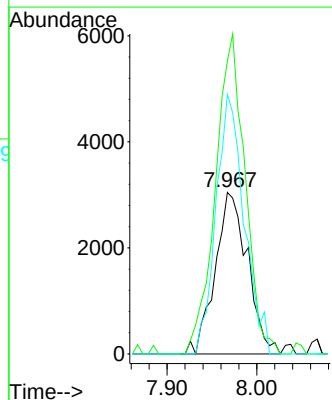
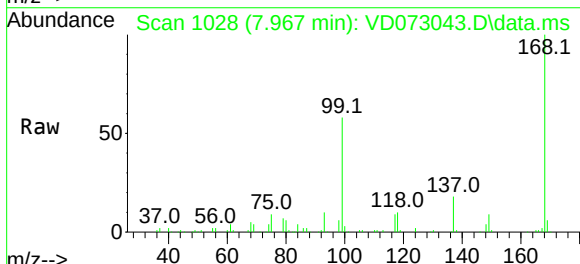
Instrument :
MSVOA_D
ClientSampleId :
P007-SS015-0006-01

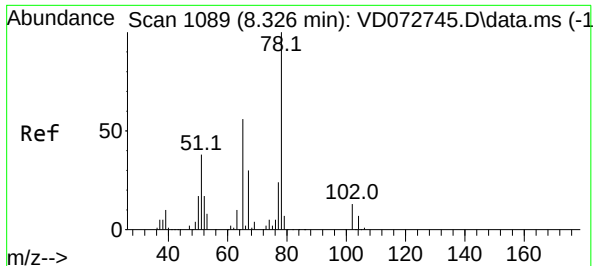
Tgt Ion: 43 Resp: 2124
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 56 Resp: 7623
Ion Ratio Lower Upper
56 100
69 181.1 25.4 38.2#
84 160.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 43.313 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD073043.D

Acq: 16 May 2022 19:05

Instrument :

MSVOA_D

ClientSampleId :

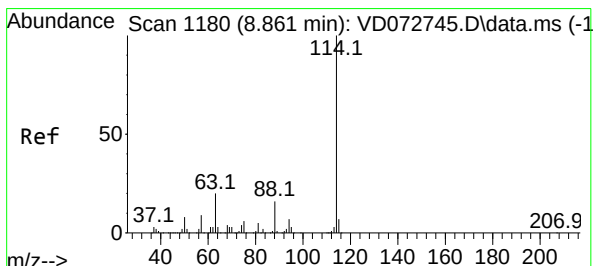
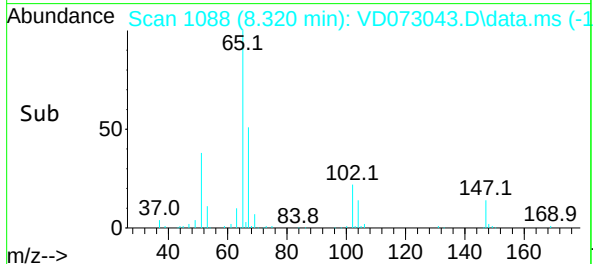
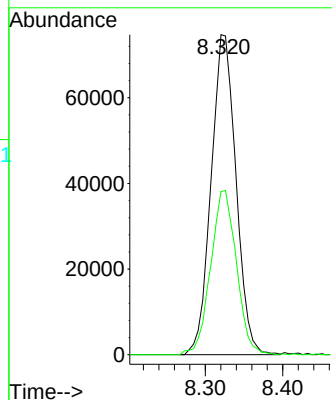
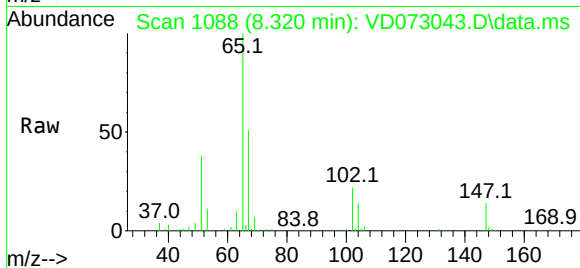
P007-SS015-0006-01

Tgt Ion: 65 Resp: 166611

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073043.D

Acq: 16 May 2022 19:05

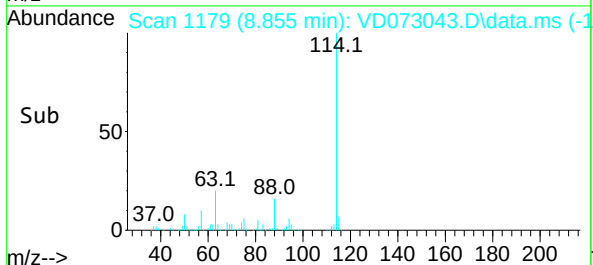
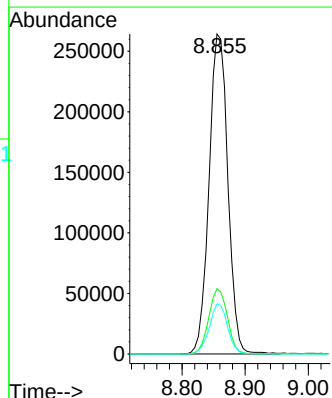
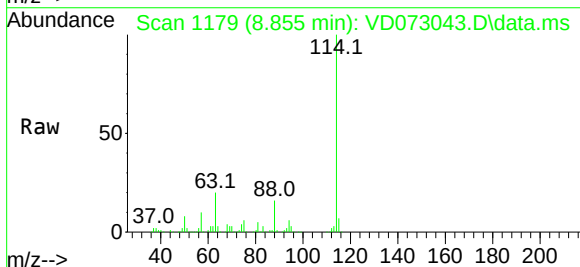
Tgt Ion: 114 Resp: 546996

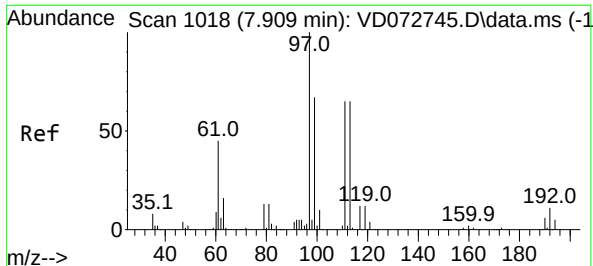
Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.671 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073043.D

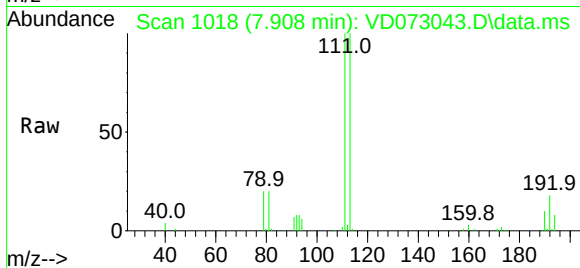
Acq: 16 May 2022 19:05

Instrument :

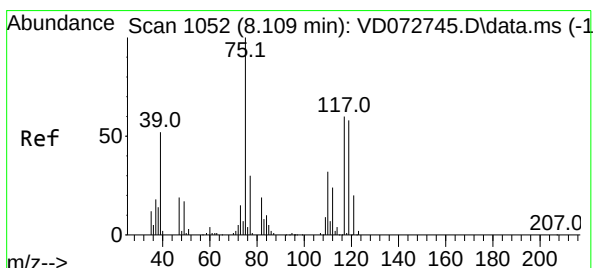
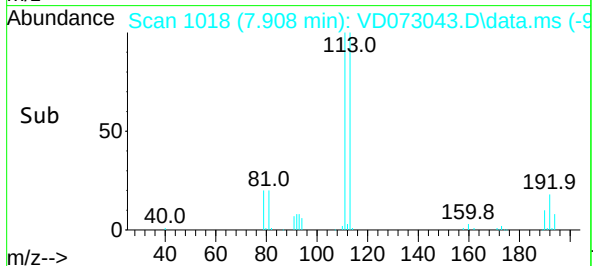
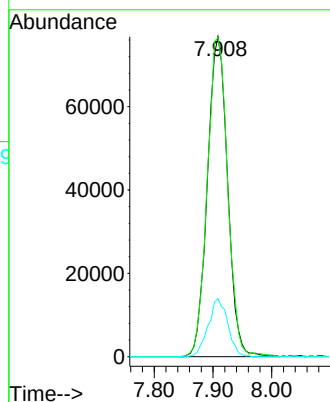
MSVOA_D

ClientSampleId :

P007-SS015-0006-01



Tgt Ion:	113	Resp:	183134
Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.8	125.6
192	17.6	14.6	21.8



#36

1,1-Dichloropropene

Concen: 4.079 ug/l

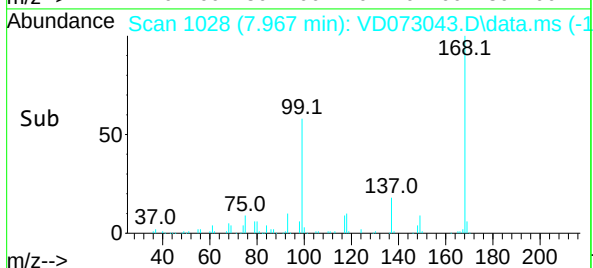
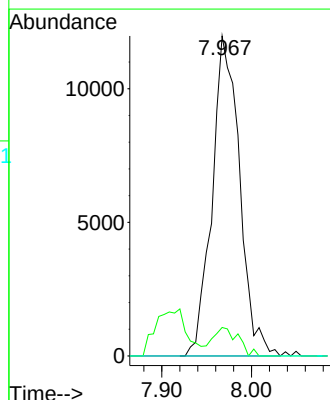
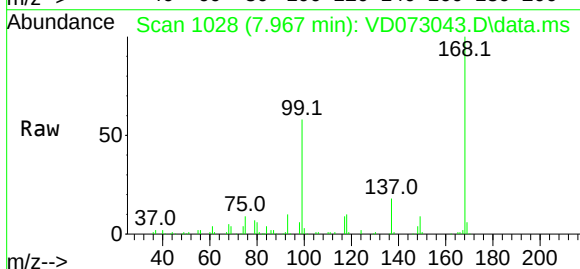
RT: 7.967 min Scan# 1028

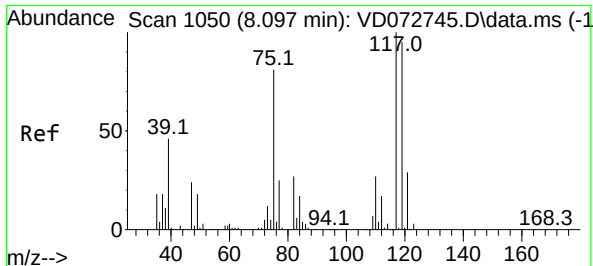
Delta R.T. -0.142 min

Lab File: VD073043.D

Acq: 16 May 2022 19:05

Tgt Ion:	75	Resp:	25481
Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.4	49.1#
77	0.0	24.2	36.2#

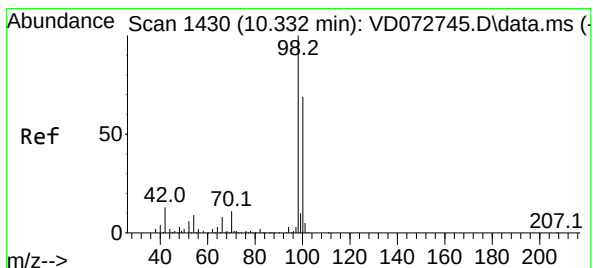
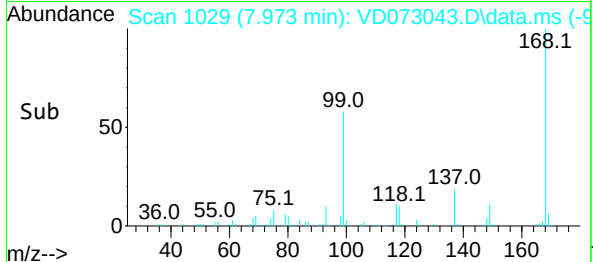
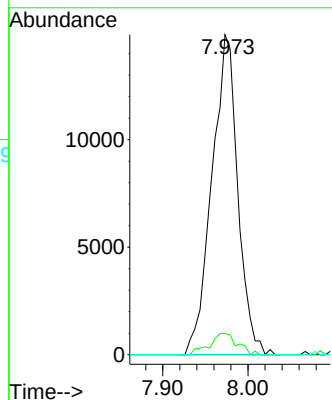
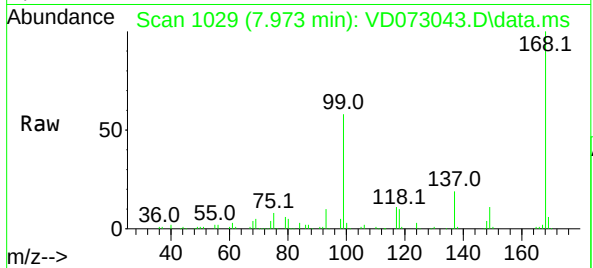




#38
Carbon Tetrachloride
Concen: 4.853 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

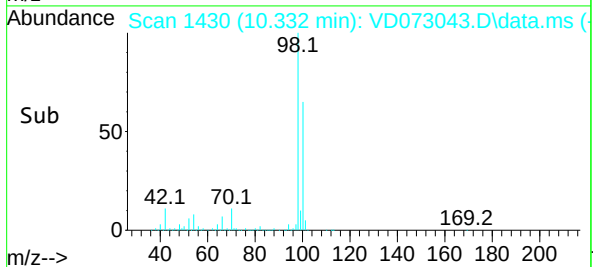
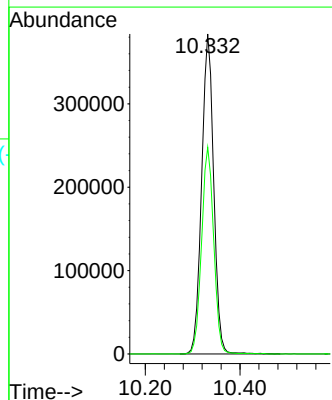
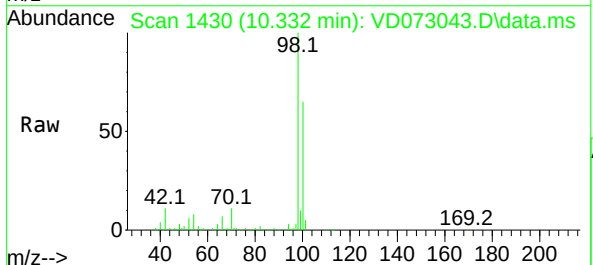
Instrument :
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P007-SS015-0006-01

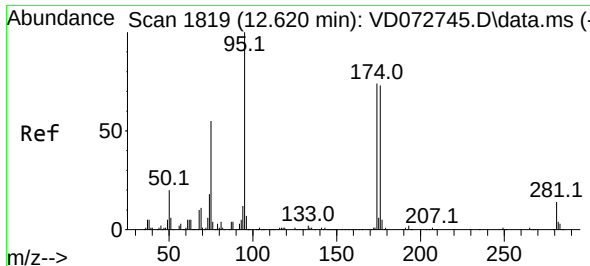
Tgt Ion:117 Resp: 31471
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.077 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 98 Resp: 676300
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

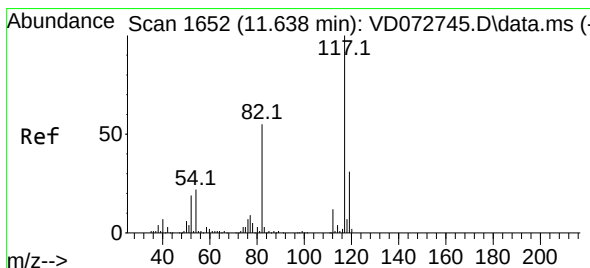
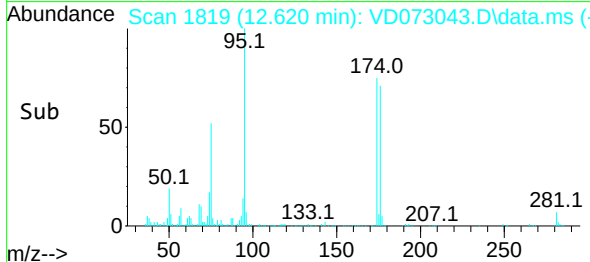
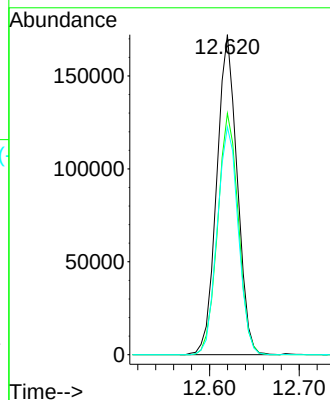
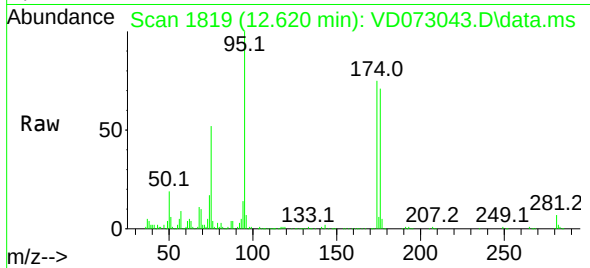




#62
4-Bromofluorobenzene
Concen: 53.187 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

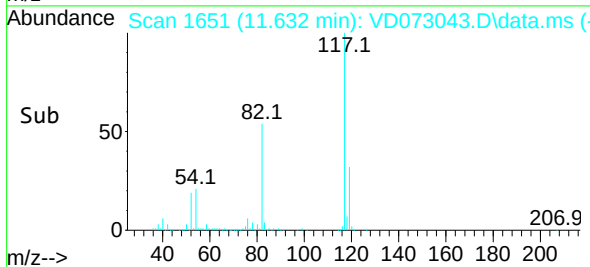
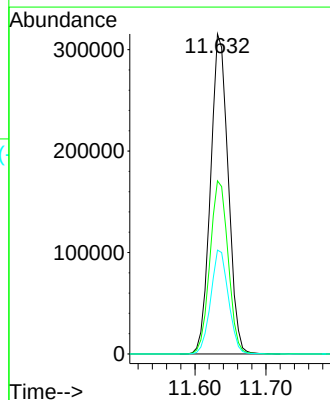
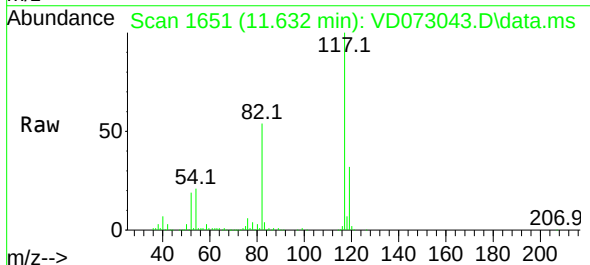
Instrument :
MSVOA_D
ClientSampleId :
P007-SS015-0006-01

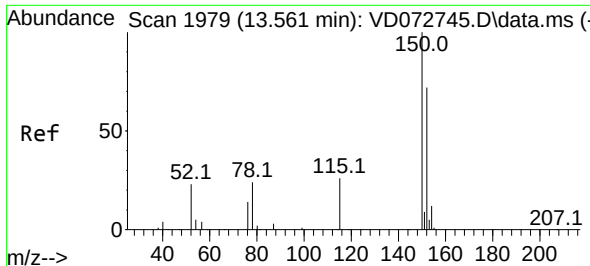
Tgt Ion: 95 Resp: 273288
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 117 Resp: 544257
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 32.5 26.6 40.0

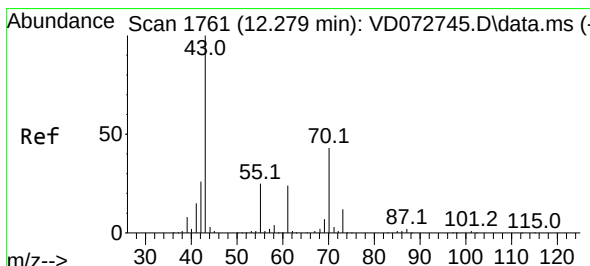
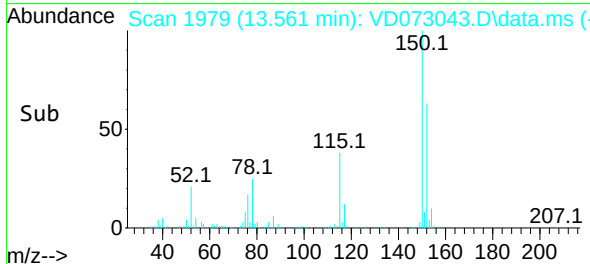
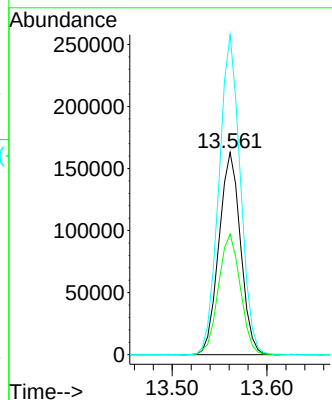
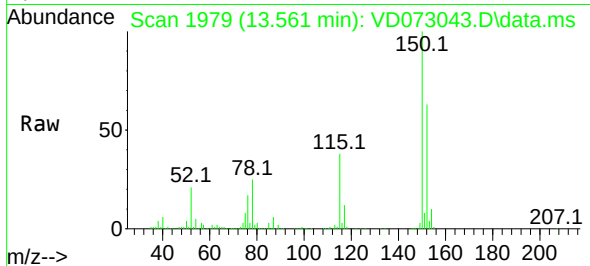




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

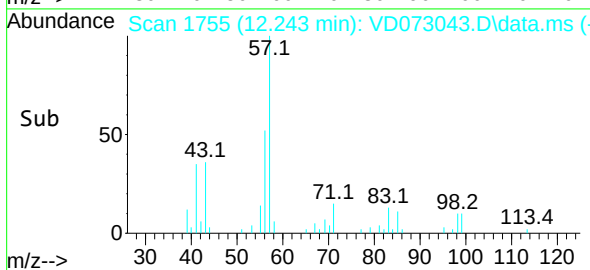
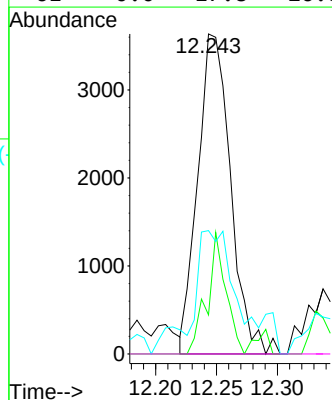
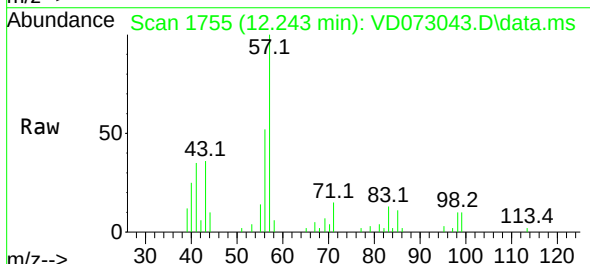
Instrument :
MSVOA_D
ClientSampleId :
P007-SS015-0006-01

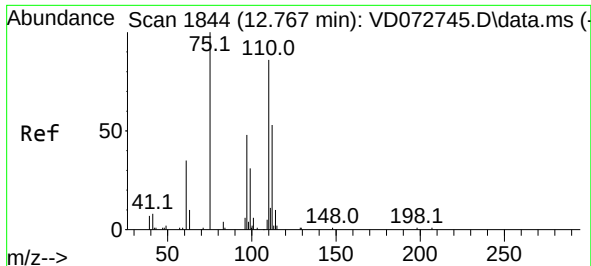
Tgt Ion:152 Resp: 258288
Ion Ratio Lower Upper
152 100
115 60.5 31.3 93.8
150 156.5 0.0 348.6



#74
N-ethyl acetate
Concen: 1.365 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.036 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 43 Resp: 6832
Ion Ratio Lower Upper
43 100
70 21.8 31.3 46.9#
55 41.4 20.0 30.0#
61 0.0 17.8 26.8#

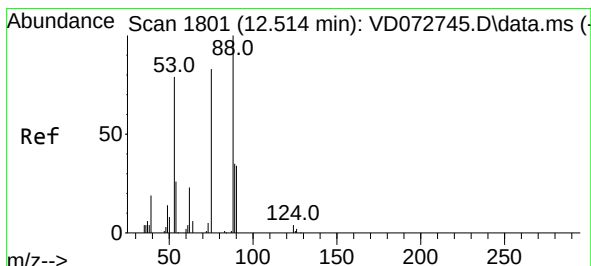
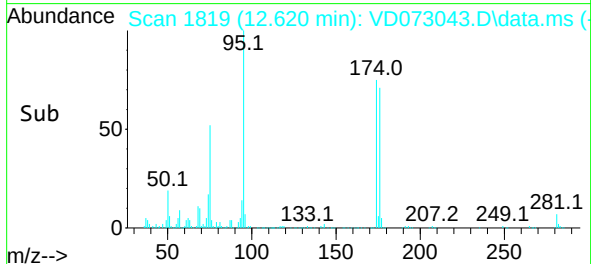
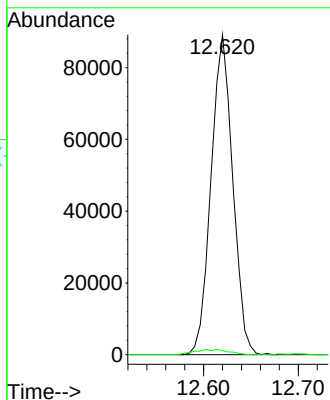
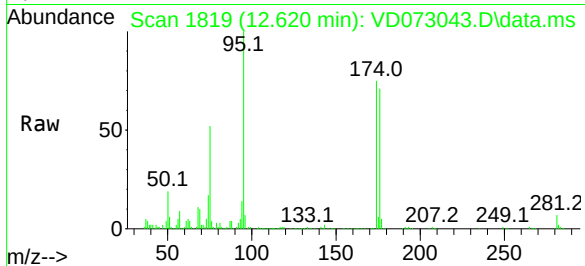




#76
1,2,3-Trichloropropane
Concen: 49.247 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Instrument :
MSVOA_D
ClientSampleId :
P007-SS015-0006-01

Tgt Ion: 75 Resp: 141835
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.248 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073043.D
Acq: 16 May 2022 19:05

Tgt Ion: 75 Resp: 141835
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#

