

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074578.D
 Acq On : 19 Oct 2022 13:40
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Oct 20 06:22:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:16:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	99459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	164013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	133029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58464	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	35400	46.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.240%
35) Dibromofluoromethane	7.810	113	43845	43.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.300%
50) Toluene-d8	10.269	98	148888	45.355	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.700%
62) 4-Bromofluorobenzene	12.569	95	42927	39.530	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.060%

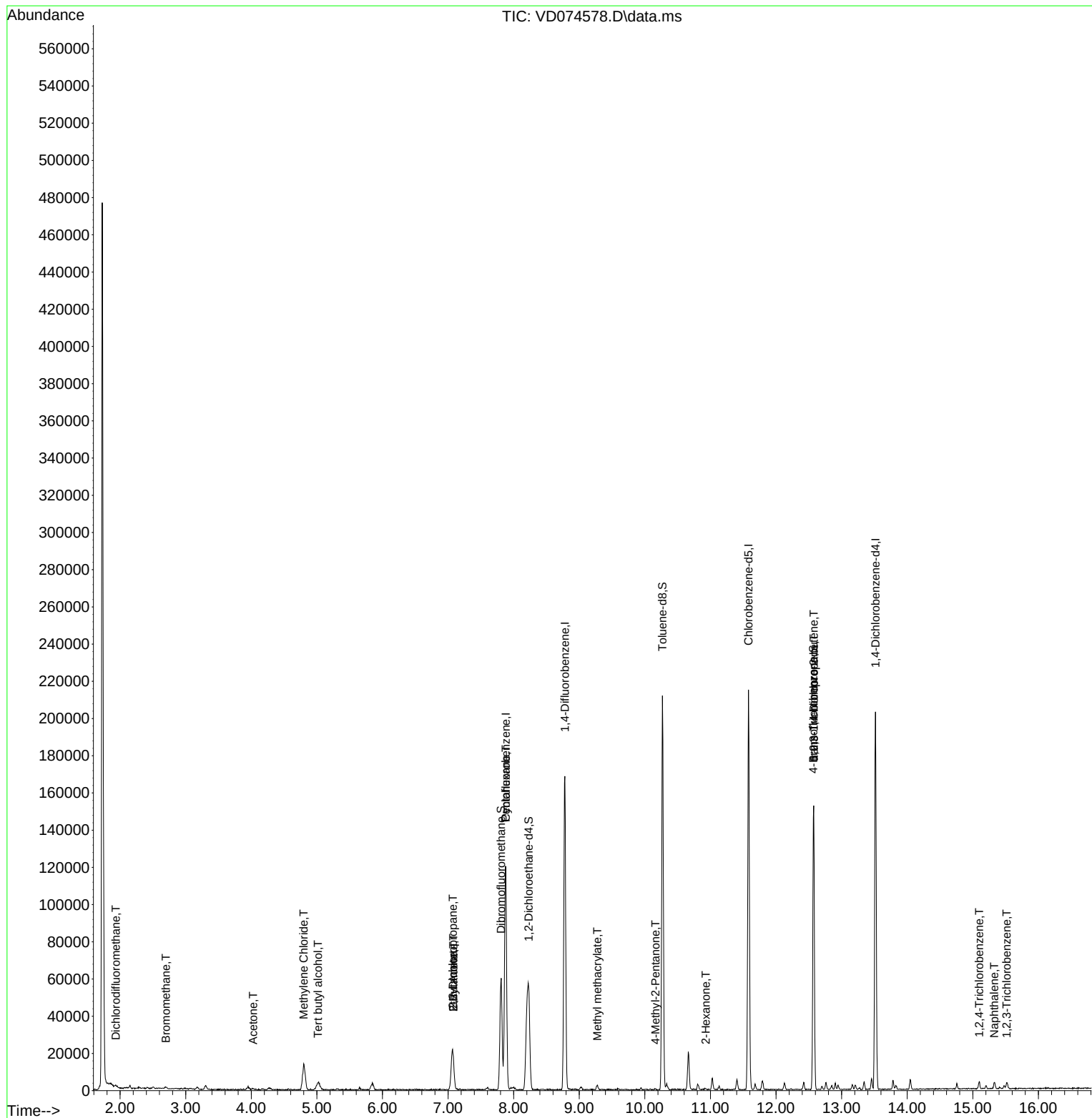
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	825	1.069	ug/l	80
5) Bromomethane	2.699	94	1040	1.188	ug/l #	74
11) Tert butyl alcohol	5.016	59	4092	32.010	ug/l #	84
16) Acetone	4.028	43	1005	6.061	ug/l #	37
20) Methylene Chloride	4.799	84	12056	6.872	ug/l	98
25) 2-Butanone	7.081	43	1526	6.882	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	2278	1.334	ug/l #	55
31) Cyclohexane	7.881	56	2689	1.763	ug/l #	47
37) Ethyl Acetate	7.081	43	1526	3.283	ug/l #	1
48) Methyl methacrylate	9.275	41	500	1.266	ug/l #	35
51) 4-Methyl-2-Pentanone	10.163	43	544	1.266	ug/l #	50
59) 2-Hexanone	10.928	43	516	1.759	ug/l	86
76) 1,2,3-Trichloropropane	12.575	75	22041	45.810	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	22041	110.337	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.098	180	1762	1.497	ug/l	98
95) Naphthalene	15.328	128	4030	1.819	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	1631	1.617	ug/l	89

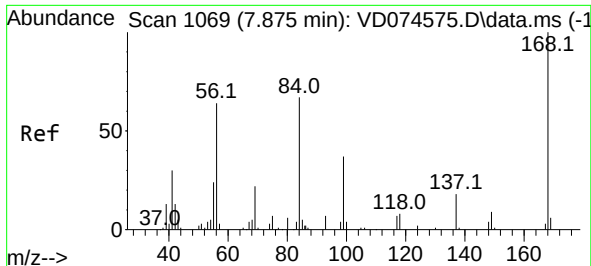
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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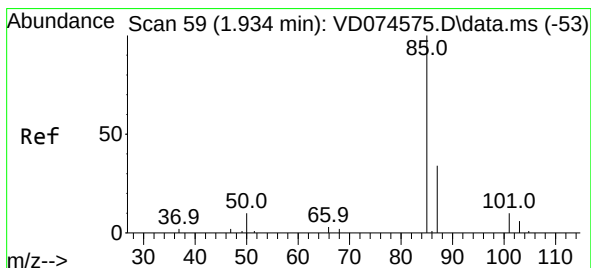
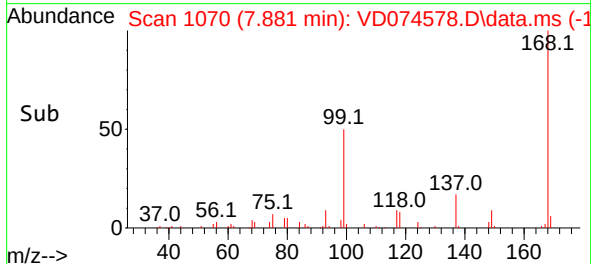
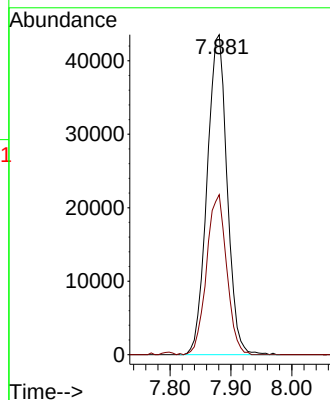
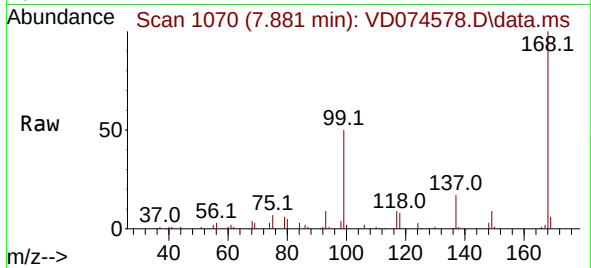




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

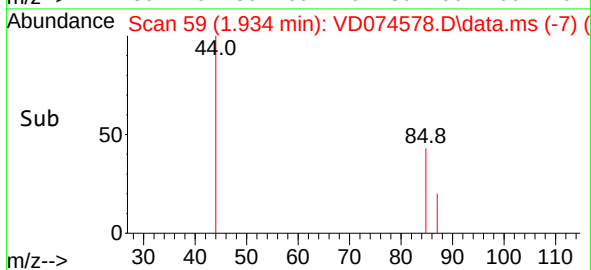
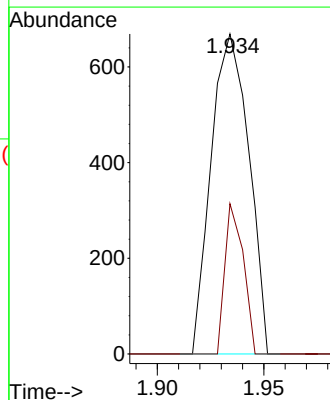
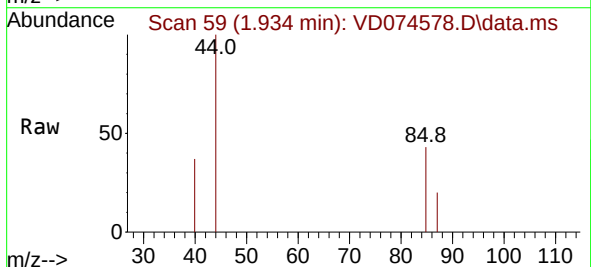
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

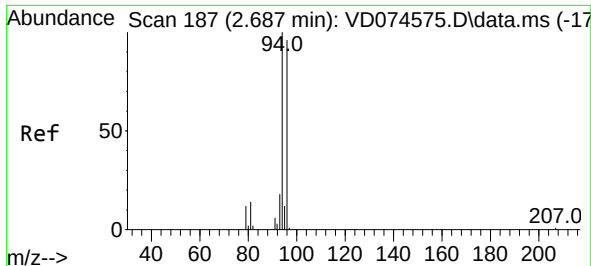
Tgt Ion:168 Resp: 99459
Ion Ratio Lower Upper
168 100
99 50.0 40.9 61.3



#2
Dichlorodifluoromethane
Concen: 1.069 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 85 Resp: 825
Ion Ratio Lower Upper
85 100
87 46.9 17.5 52.6

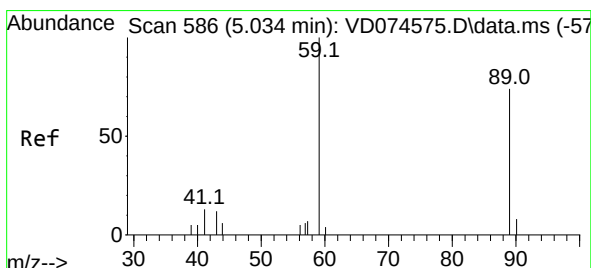
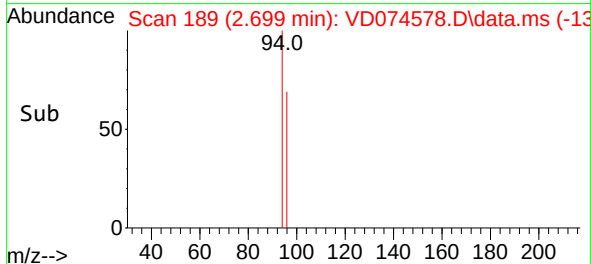
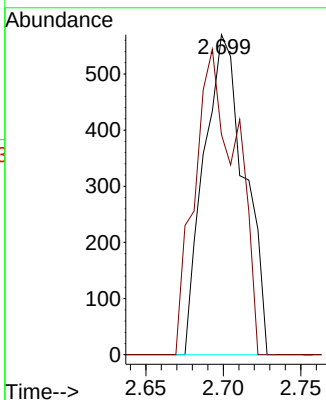
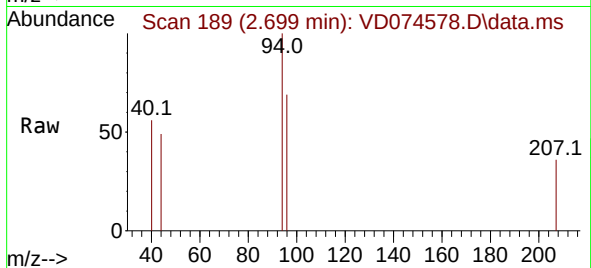




#5
Bromomethane
Concen: 1.188 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

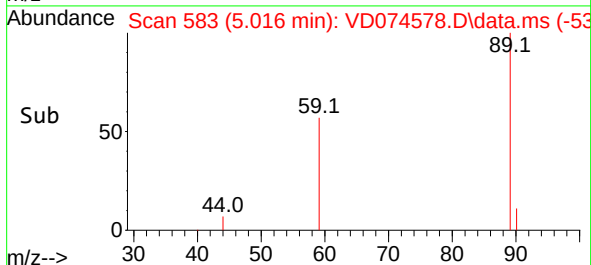
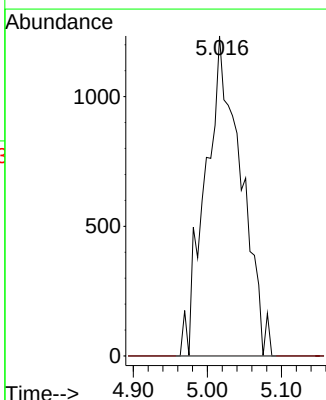
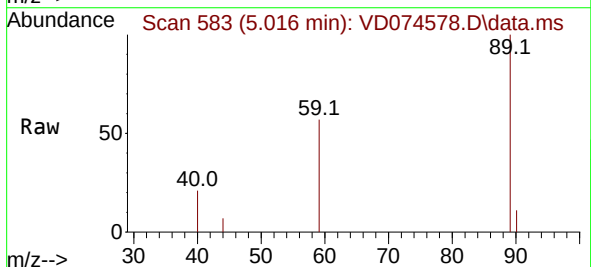
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

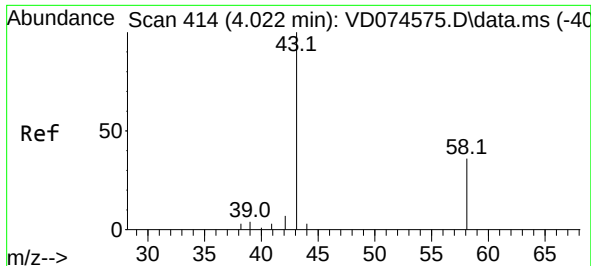
Tgt Ion: 94 Resp: 1040
Ion Ratio Lower Upper
94 100
96 68.8 74.6 112.0#



#11
Tert butyl alcohol
Concen: 32.010 ug/l
RT: 5.016 min Scan# 583
Delta R.T. -0.036 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 59 Resp: 4092
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

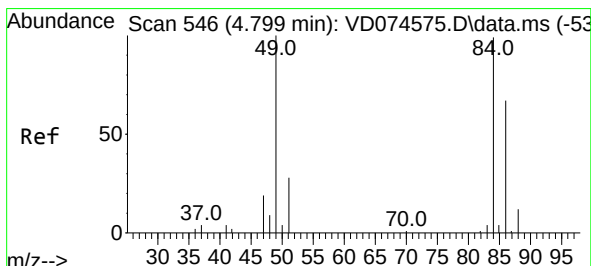
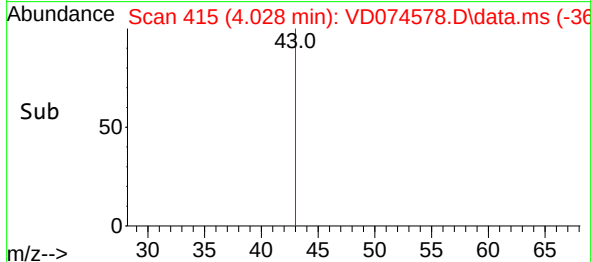
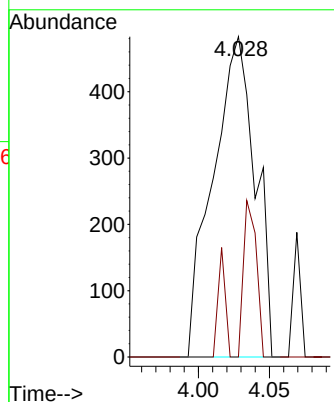
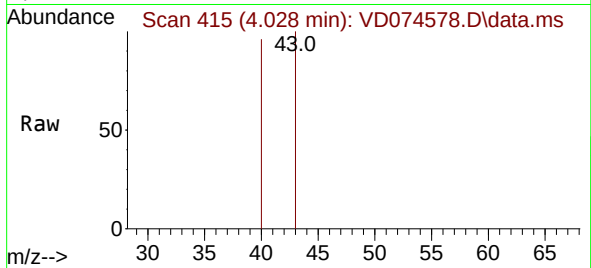




#16
Acetone
Concen: 6.061 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

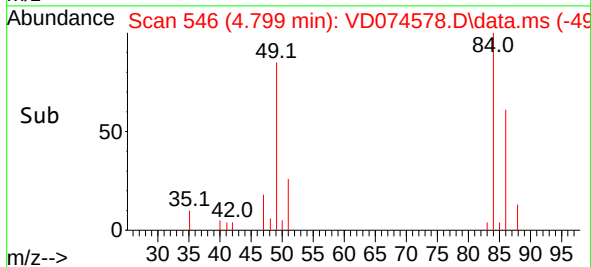
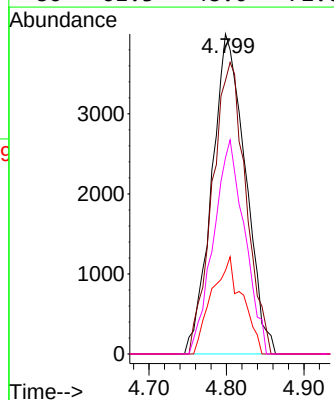
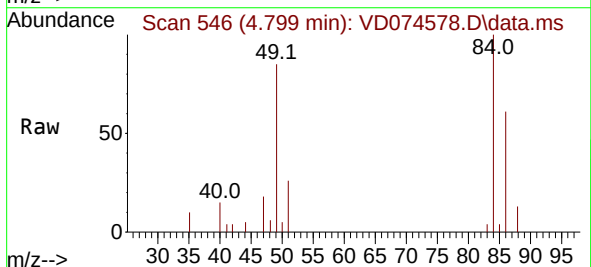
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

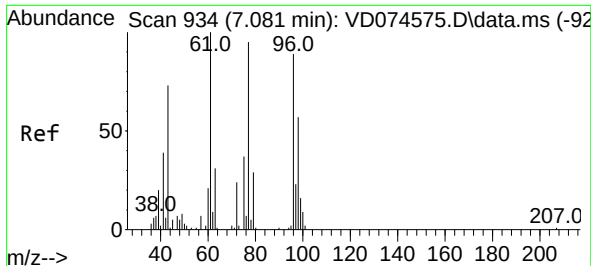
Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: 6.872 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 84 Resp: 12056
Ion Ratio Lower Upper
84 100
49 85.4 68.0 102.0
51 26.1 23.2 34.8
86 61.3 48.0 72.0

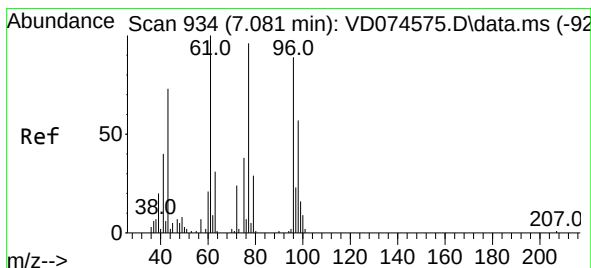
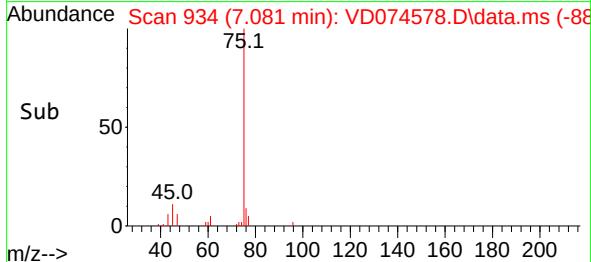
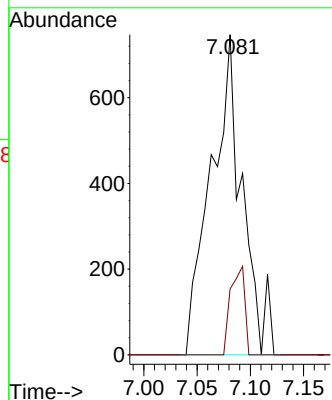
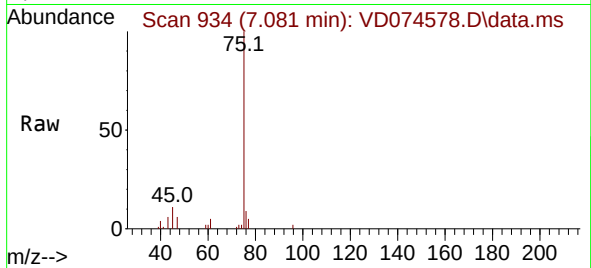




#25
2-Butanone
Concen: 6.882 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

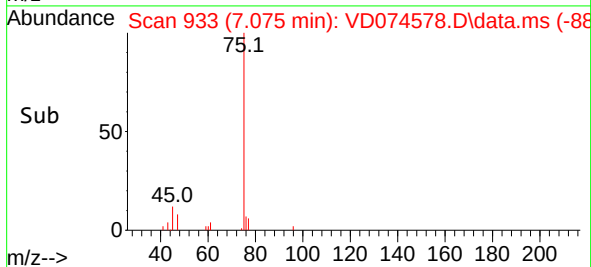
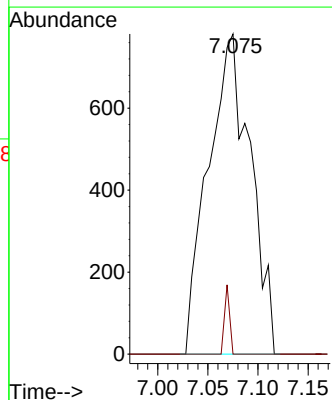
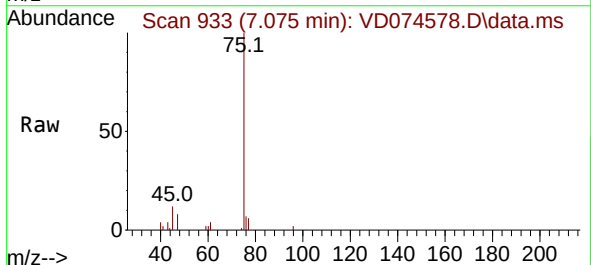
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

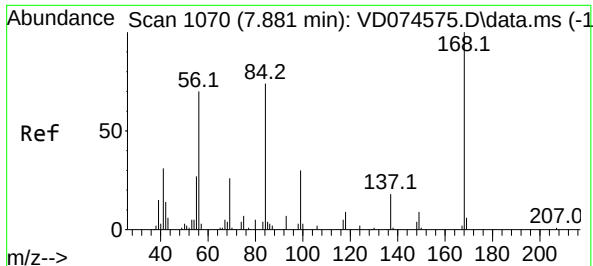
Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
72 20.6 25.8 38.8#



#26
2,2-Dichloropropane
Concen: 1.334 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 77 Resp: 2278
Ion Ratio Lower Upper
77 100
97 2.6 12.5 37.5#

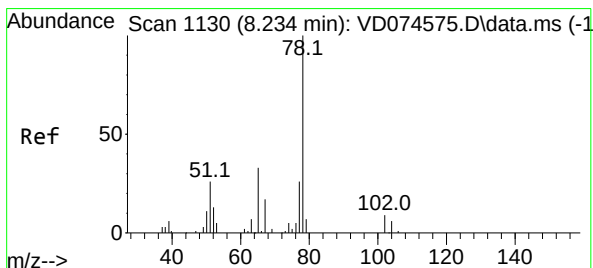
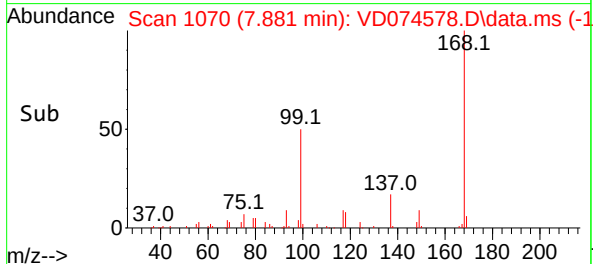
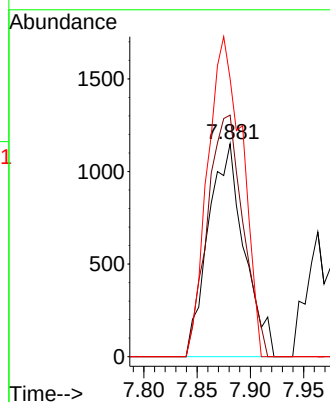
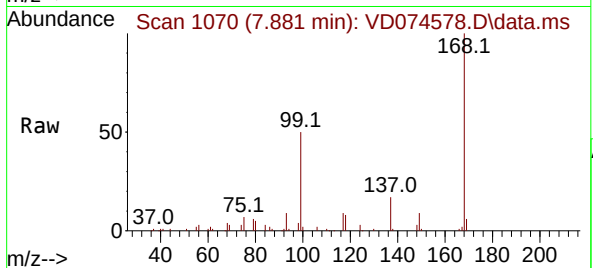




#31
Cyclohexane
Concen: 1.763 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

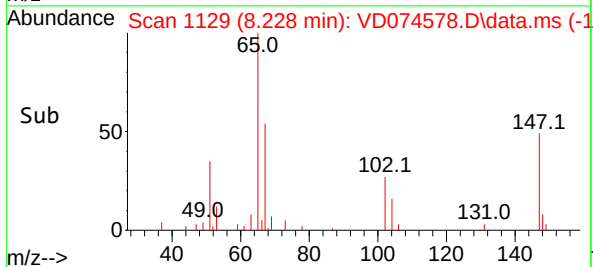
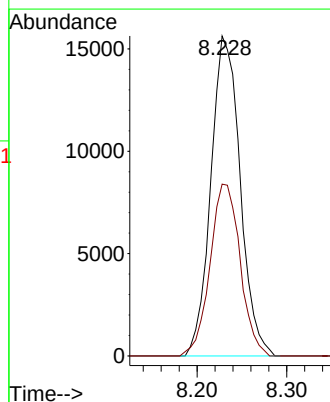
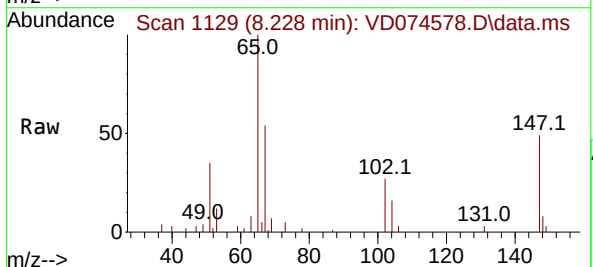
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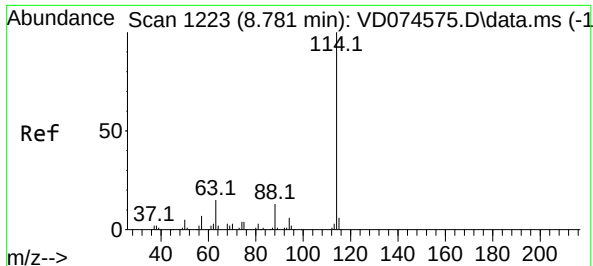
Tgt Ion: 56 Resp: 2689
Ion Ratio Lower Upper
56 100
69 113.5 29.2 43.8#
84 130.5 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 65 Resp: 35400
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074578.D

Acq: 19 Oct 2022 13:40

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

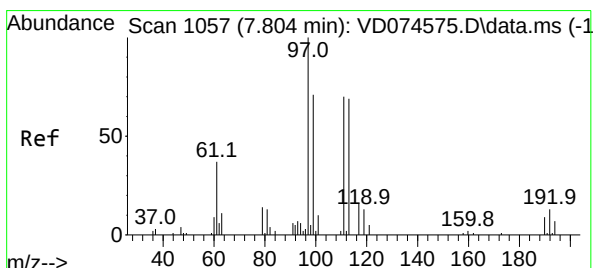
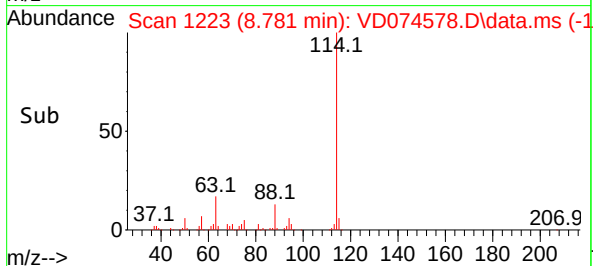
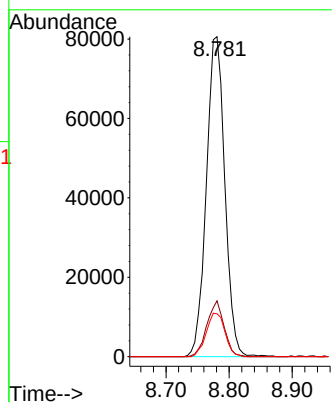
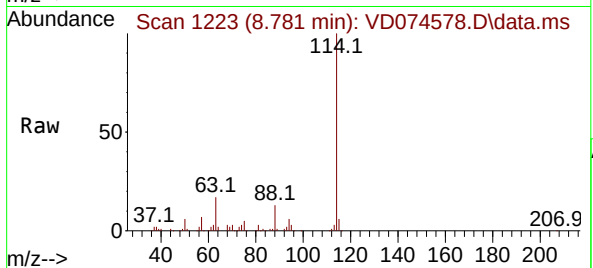
Tgt Ion:114 Resp: 164013

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.2

88 13.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 43.648 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074578.D

Acq: 19 Oct 2022 13:40

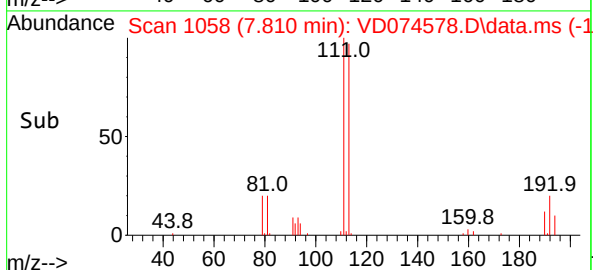
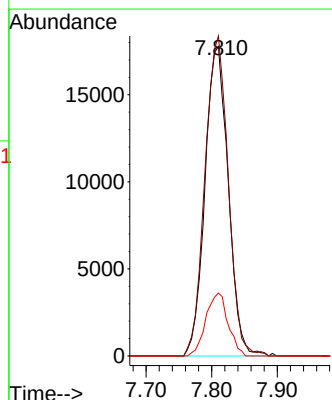
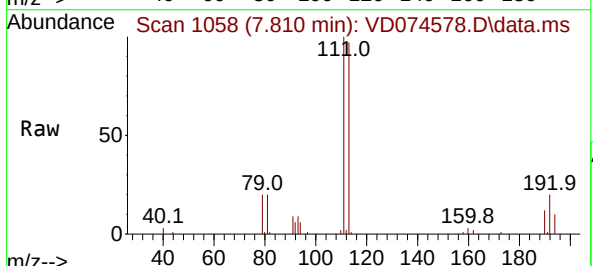
Tgt Ion:113 Resp: 43845

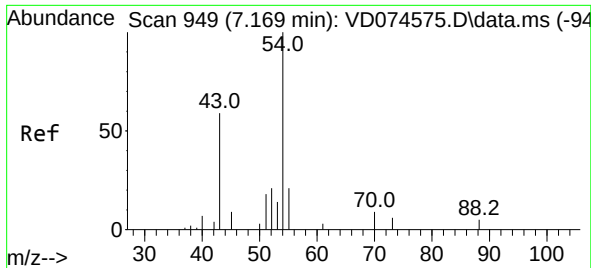
Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

192 19.3 16.4 24.6





#37

Ethyl Acetate

Concen: 3.283 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD074578.D

Acq: 19 Oct 2022 13:40

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

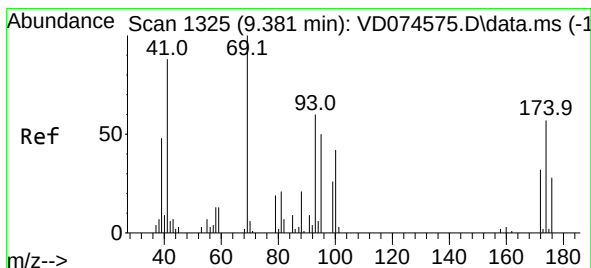
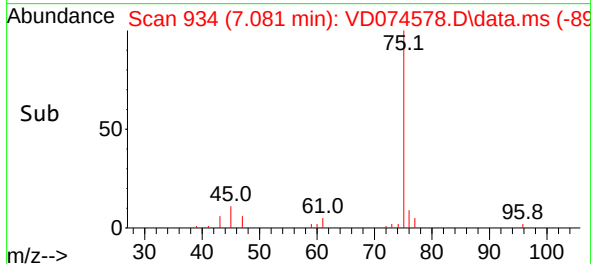
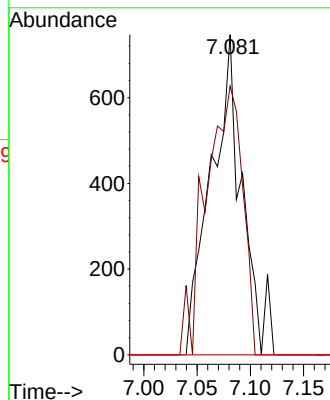
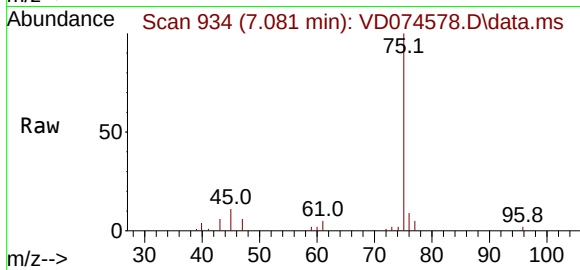
Tgt Ion: 43 Resp: 1526

Ion Ratio Lower Upper

43 100

61 98.4 12.2 18.4#

70 0.0 9.6 14.4#



#48

Methyl methacrylate

Concen: 1.266 ug/l

RT: 9.275 min Scan# 1307

Delta R.T. -0.106 min

Lab File: VD074578.D

Acq: 19 Oct 2022 13:40

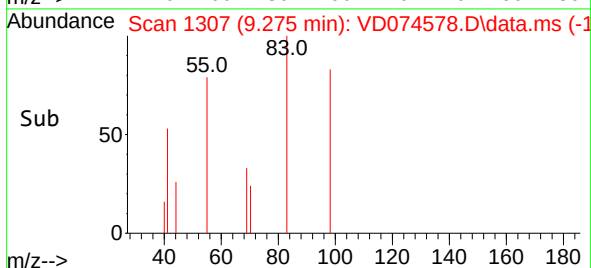
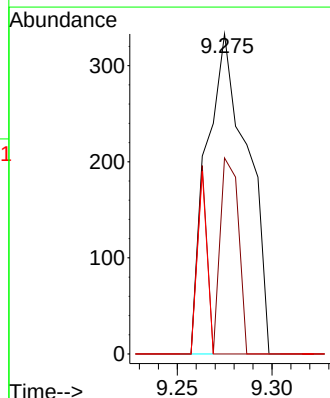
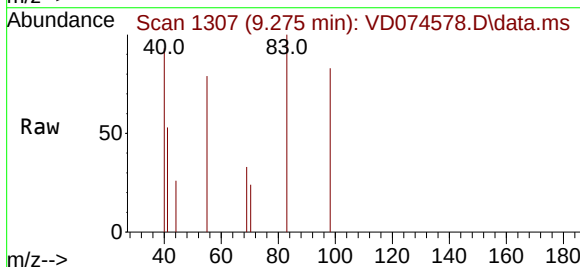
Tgt Ion: 41 Resp: 500

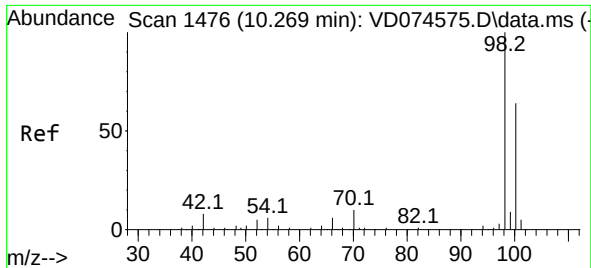
Ion Ratio Lower Upper

41 100

69 41.2 93.0 139.4#

39 13.4 44.6 66.8#

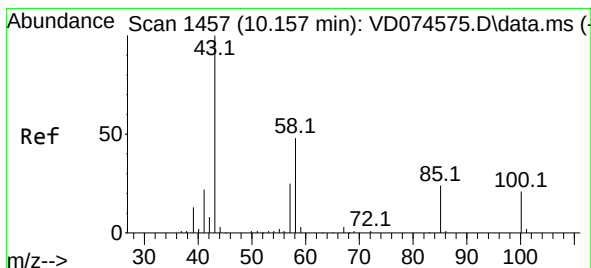
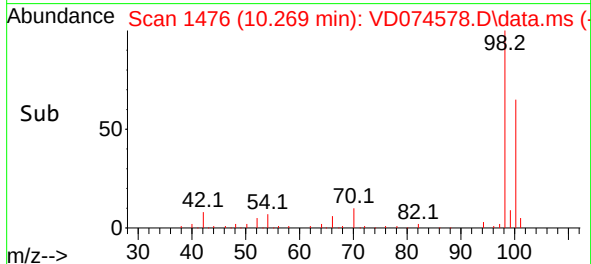
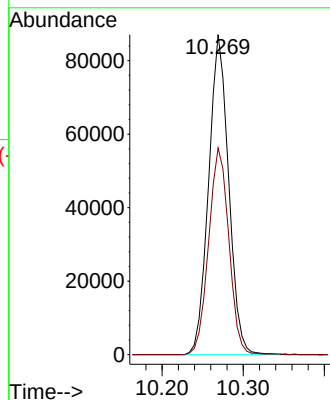
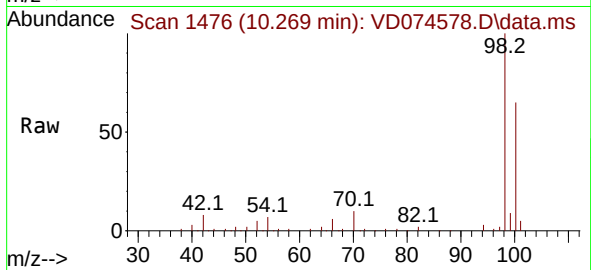




#50
Toluene-d8
Concen: 45.355 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

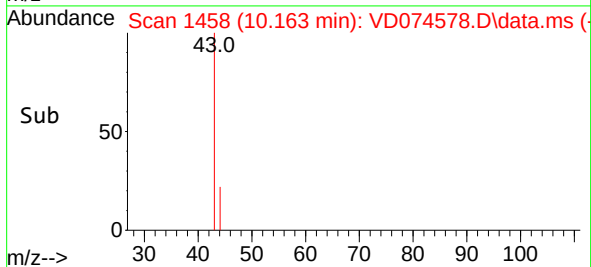
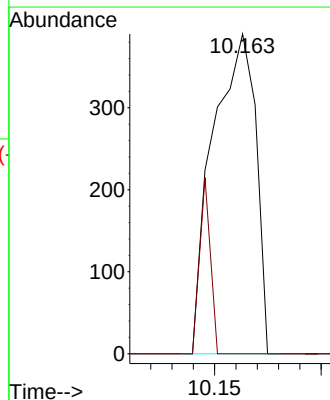
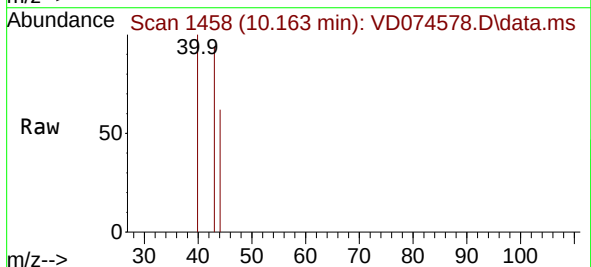
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

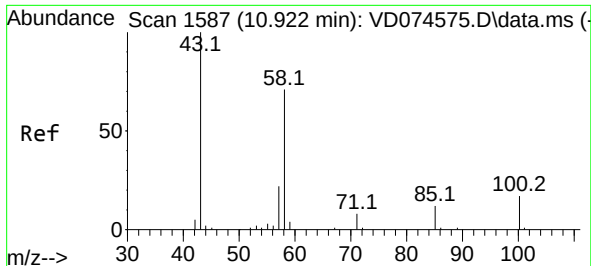
Tgt Ion: 98 Resp: 148888
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.266 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 14.0 37.8 56.6#

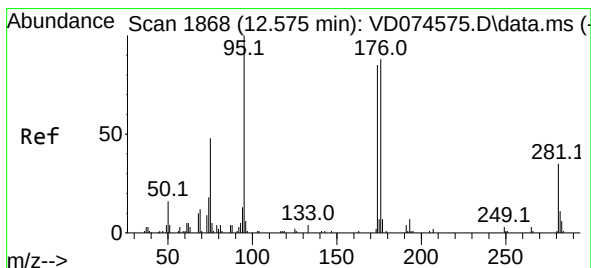
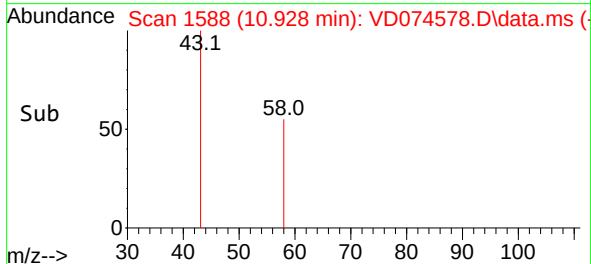
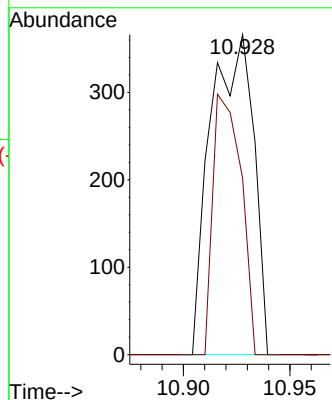
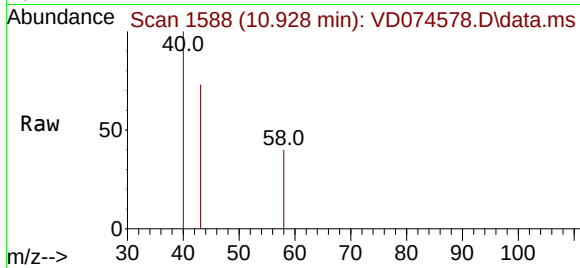




#59
2-Hexanone
Concen: 1.759 ug/l
RT: 10.928 min Scan# 1587
Delta R.T. 0.012 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

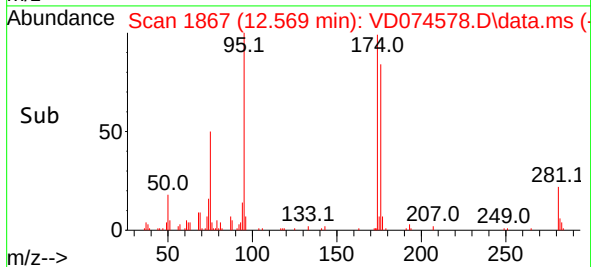
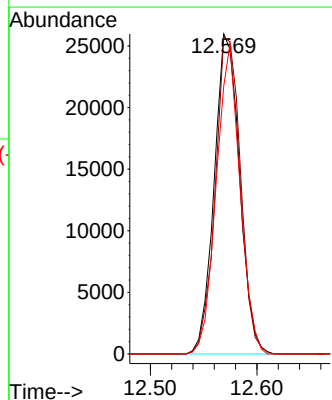
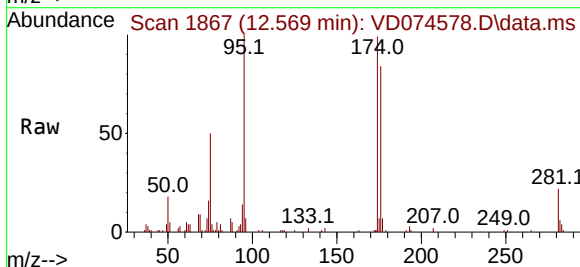
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

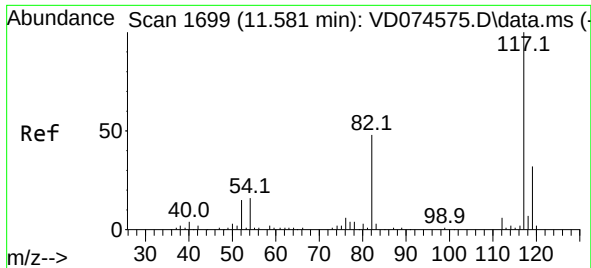
Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
58 53.1 32.0 96.2



#62
4-Bromofluorobenzene
Concen: 39.530 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 95 Resp: 42927
Ion Ratio Lower Upper
95 100
174 98.3 0.0 197.0
176 90.4 0.0 182.6

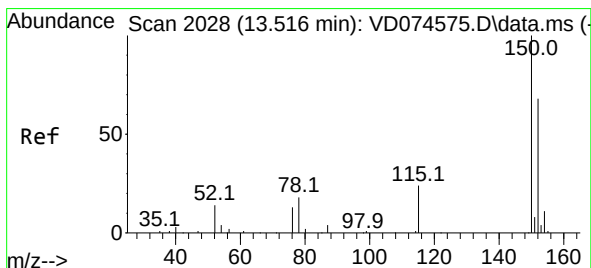
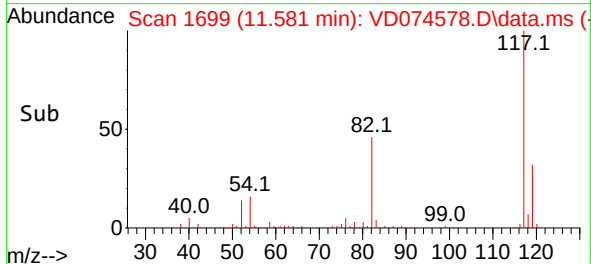
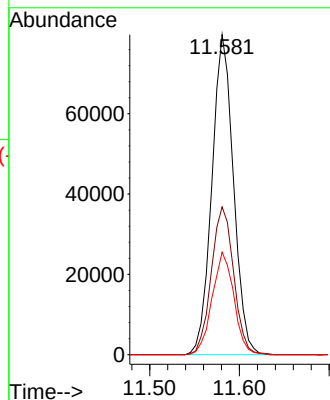
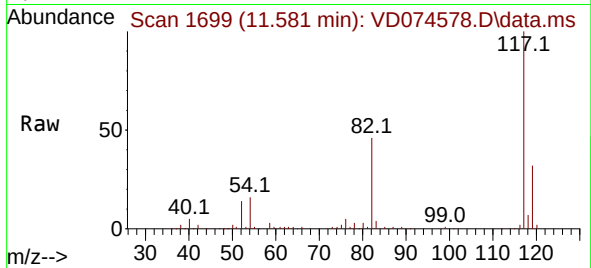




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

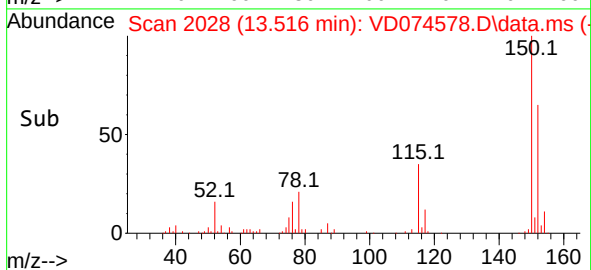
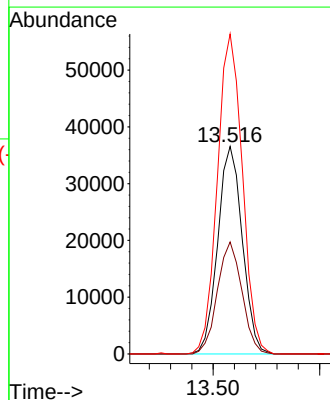
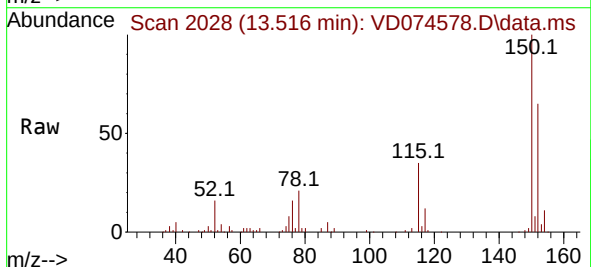
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

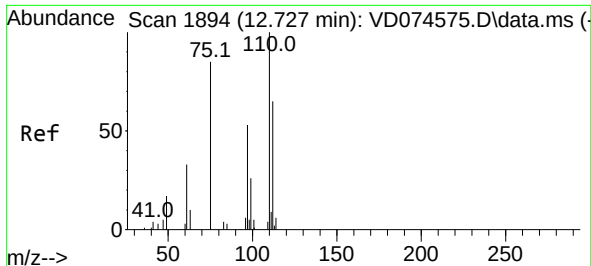
Tgt Ion:117 Resp: 133029
Ion Ratio Lower Upper
117 100
82 46.2 41.6 62.4
119 32.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion:152 Resp: 58464
Ion Ratio Lower Upper
152 100
115 53.9 26.8 80.4
150 156.8 0.0 348.2

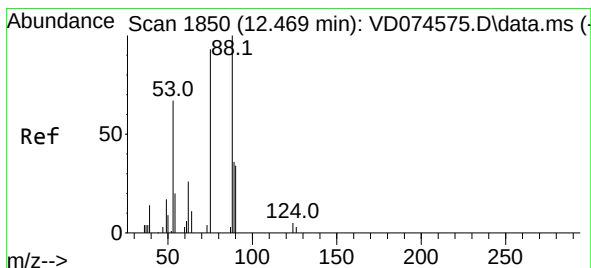
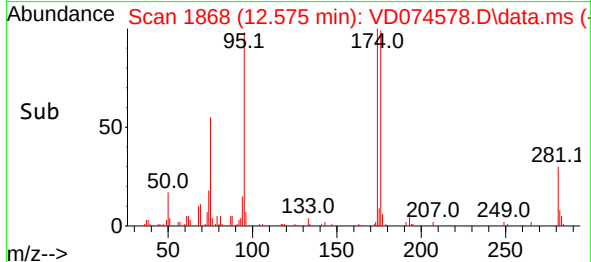
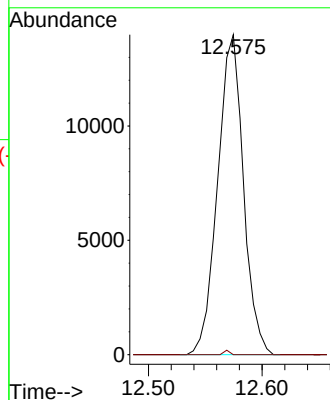
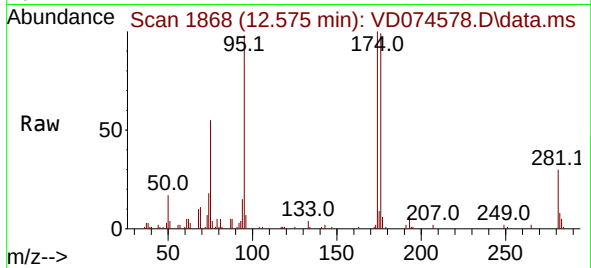




#76
1,2,3-Trichloropropane
Concen: 45.810 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.141 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

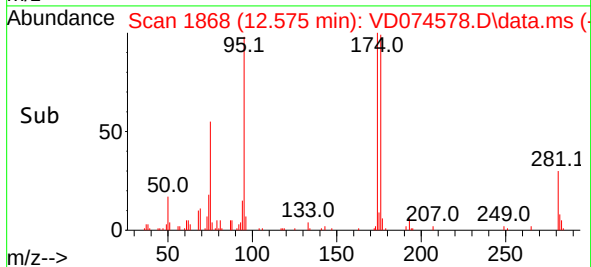
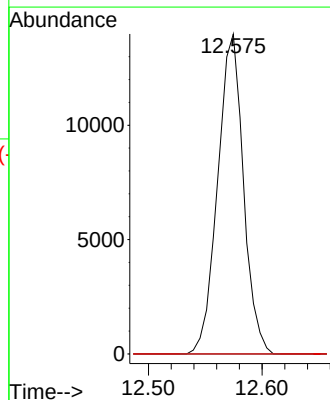
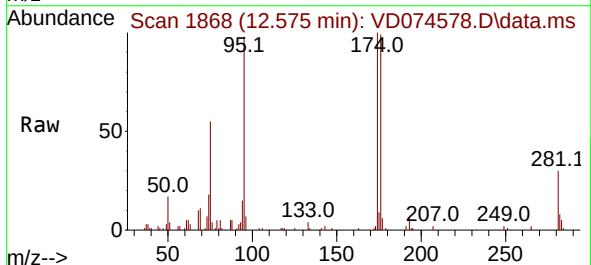
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

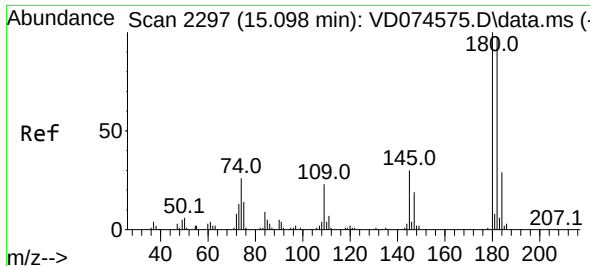
Tgt Ion: 75 Resp: 22041
Ion Ratio Lower Upper
75 100
77 0.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.337 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.112 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion: 75 Resp: 22041
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

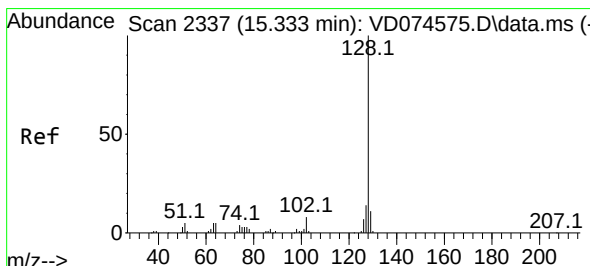
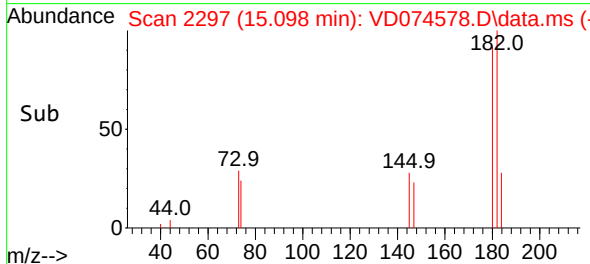
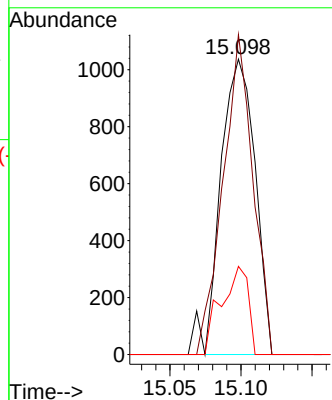
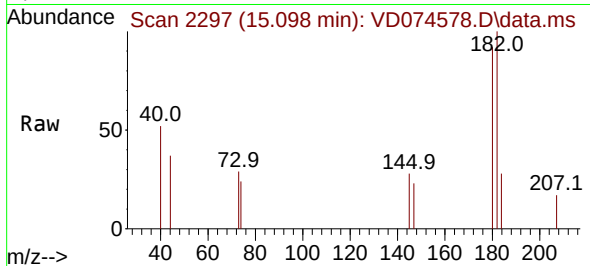




#93
1,2,4-Trichlorobenzene
Concen: 1.497 ug/l
RT: 15.098 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

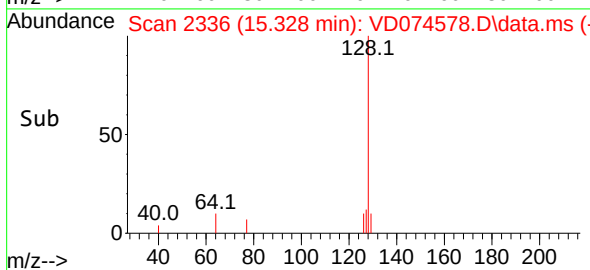
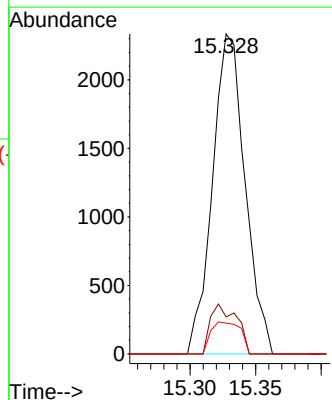
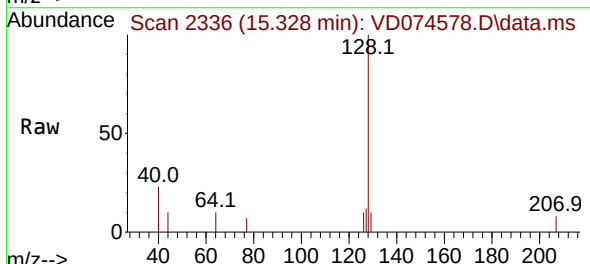
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

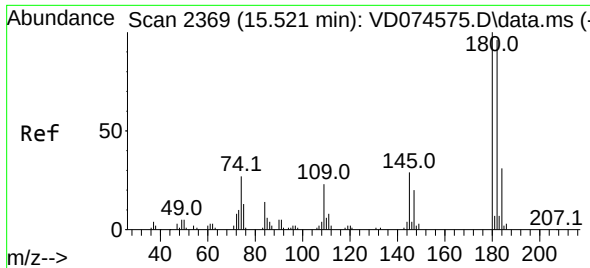
Tgt Ion:180 Resp: 1762
Ion Ratio Lower Upper
180 100
182 93.4 46.9 140.6
145 23.1 14.1 42.3



#95
Naphthalene
Concen: 1.819 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD074578.D
Acq: 19 Oct 2022 13:40

Tgt Ion:128 Resp: 4030
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 9.0 8.3 12.5





#96
 1,2,3-Trichlorobenzene
 Concen: 1.617 ug/l
 RT: 15.516 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD074578.D
 Acq: 19 Oct 2022 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion:180 Resp: 1631
 Ion Ratio Lower Upper
 180 100
 182 104.4 46.7 140.1
 145 25.1 14.9 44.7

