

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075107.D
 Acq On : 10 Jan 2023 15:25
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jan 11 01:50:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	111700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	244104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	221988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95741	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67776	60.522	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.040%	
35) Dibromofluoromethane	7.810	113	75850	49.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.800%	
50) Toluene-d8	10.269	98	302608	49.704	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.400%	
62) 4-Bromofluorobenzene	12.575	95	99505	50.919	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.840%	

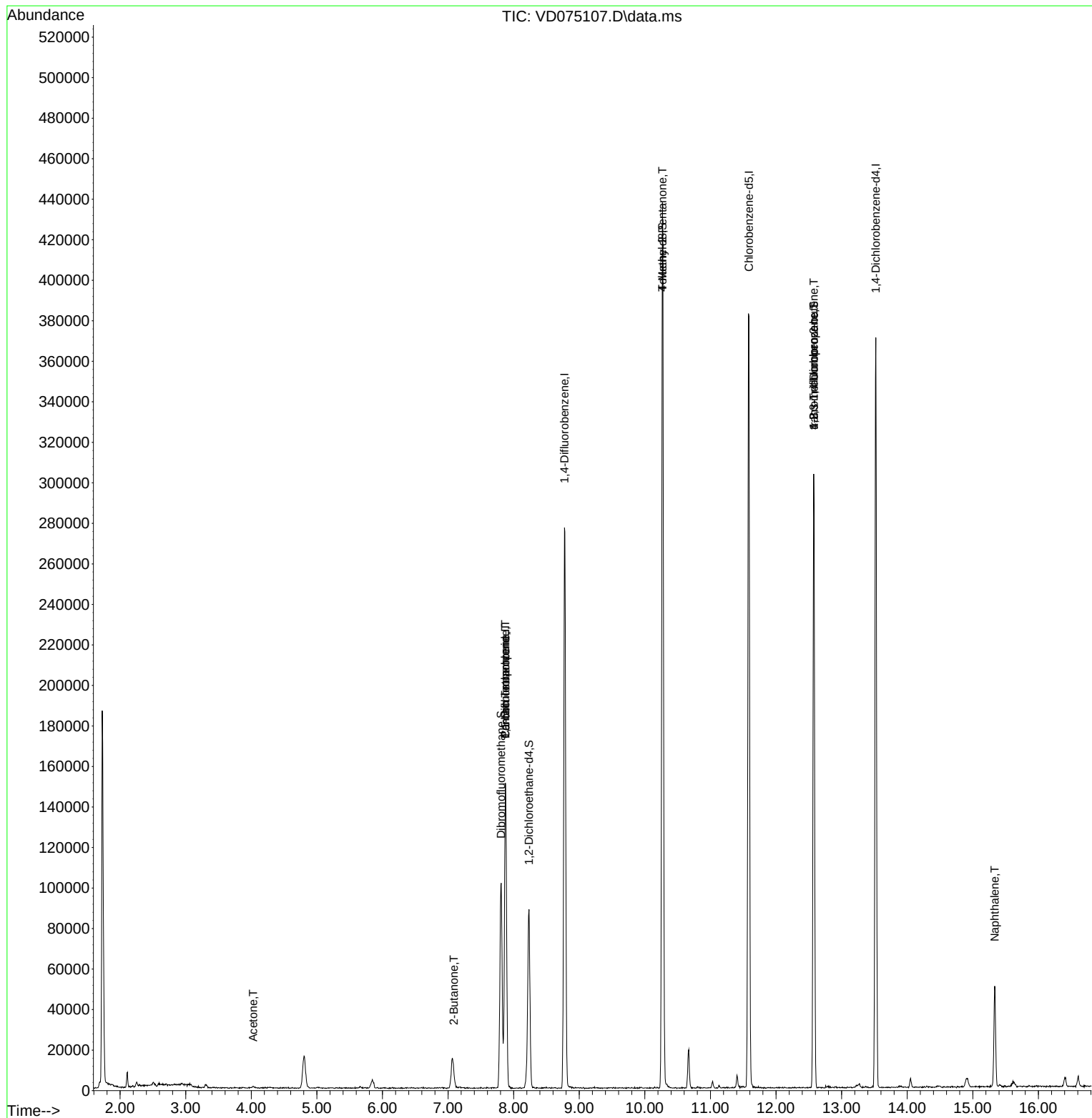
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	142	Below Cal	#	40
3) Chloromethane	2.152	50	383	Below Cal	#	43
5) Bromomethane	2.705	94	240	Below Cal		98
11) Tert butyl alcohol	5.034	59	149	Below Cal	#	78
16) Acetone	4.028	43	1242	4.681	ug/l	97
17) Carbon Disulfide	4.269	76	949	Below Cal	#	78
18) Methyl Acetate	4.805	43	83	Below Cal	#	52
20) Methylene Chloride	4.799	84	11641	Below Cal	#	96
25) 2-Butanone	7.087	43	1100	3.130	ug/l	# 47
31) Cyclohexane	7.875	56	2781	Below Cal	#	4
36) 1,1-Dichloropropene	7.875	75	9391	4.943	ug/l	# 47
37) Ethyl Acetate	7.187	43	482	Below Cal	#	68
38) Carbon Tetrachloride	7.875	117	12063	7.248	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.269	43	1608	1.742	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	52084	57.014	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.575	75	52084	151.413	ug/l	# 15
95) Naphthalene	15.333	128	45229	12.755	ug/l	98

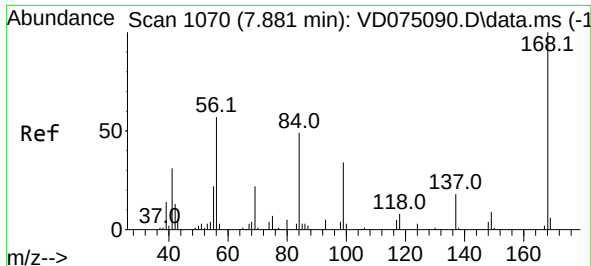
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
Data File : VD075107.D
Acq On : 10 Jan 2023 15:25
Operator : KP/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Time: Jan 11 01:50:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 10 03:36:33 2023
Response via : Initial Calibration

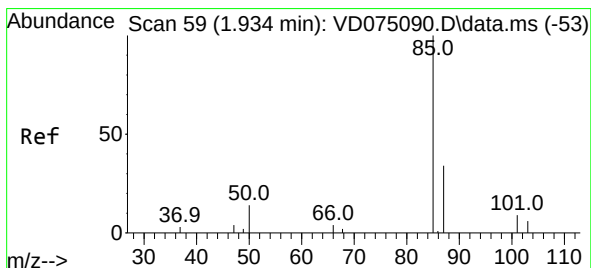
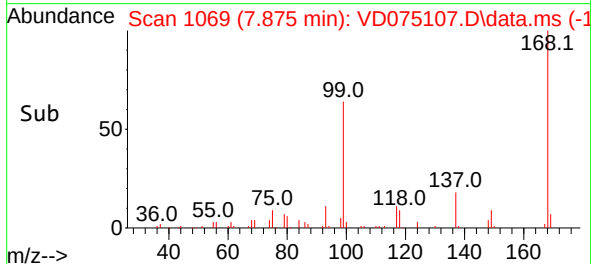
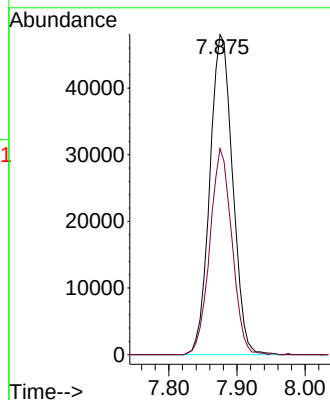
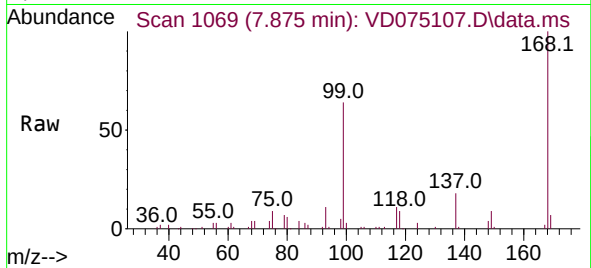




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

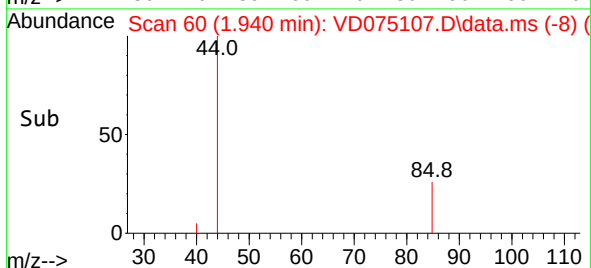
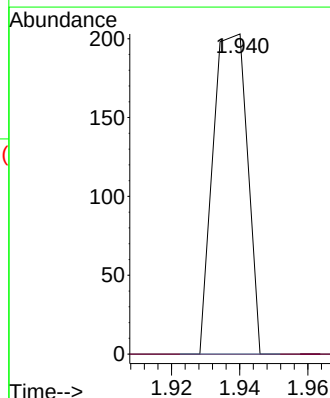
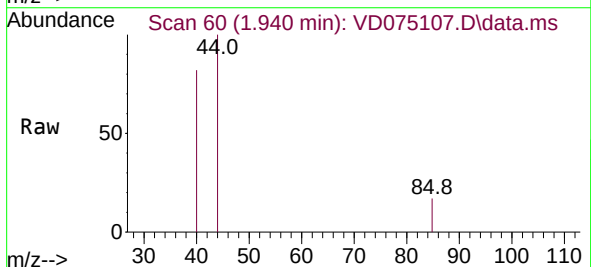
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

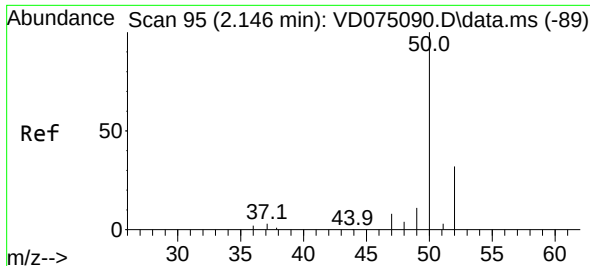
Tgt Ion:168 Resp: 111700
Ion Ratio Lower Upper
168 100
99 64.4 43.2 64.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.940 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion: 85 Resp: 142
Ion Ratio Lower Upper
85 100
87 0.0 17.2 51.6#

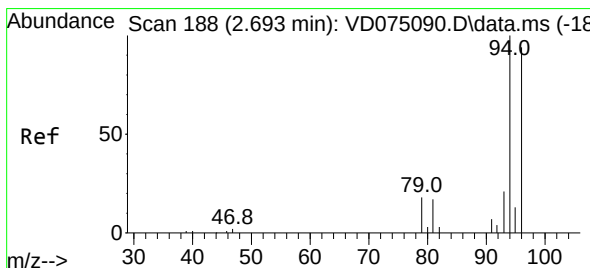
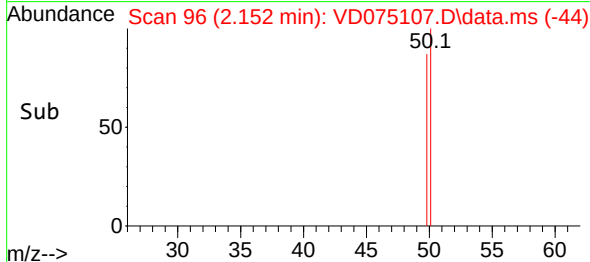
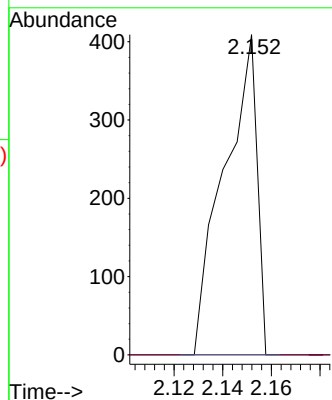
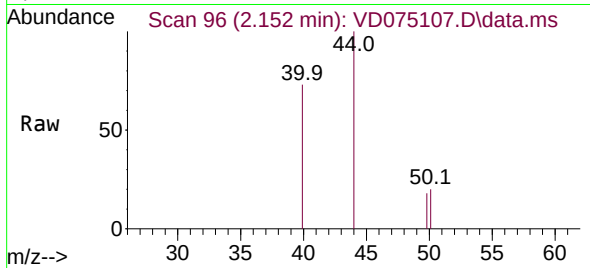




#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

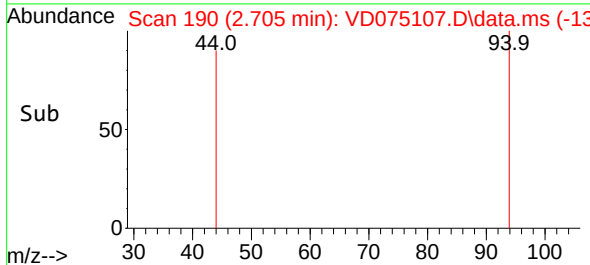
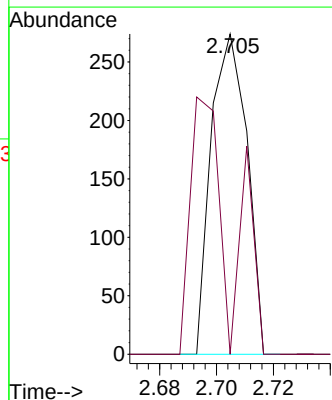
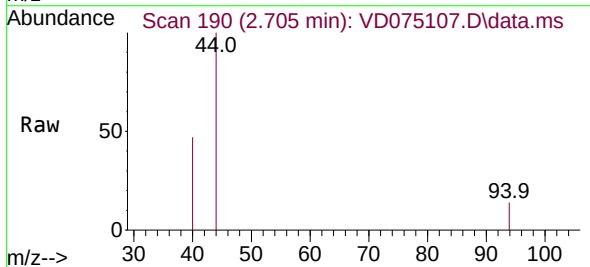
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

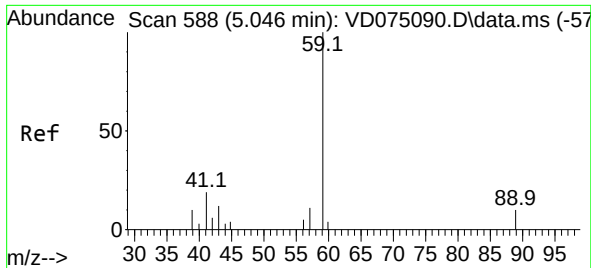
Tgt Ion: 50 Resp: 383
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.012 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 89.2 72.5 108.7

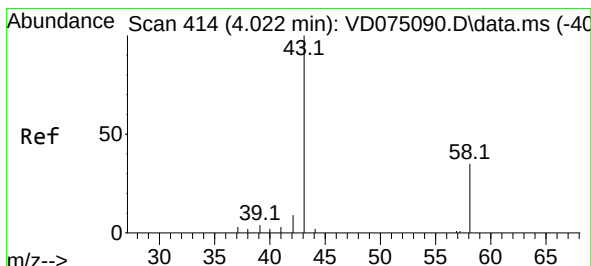
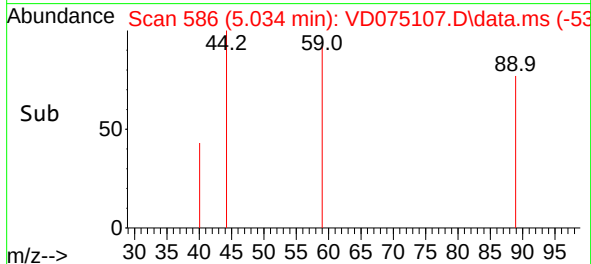
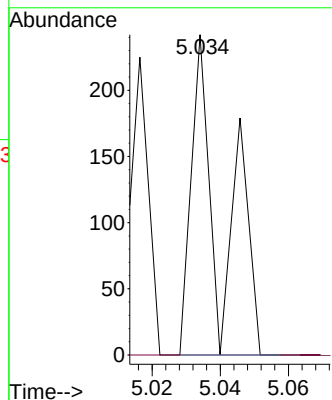
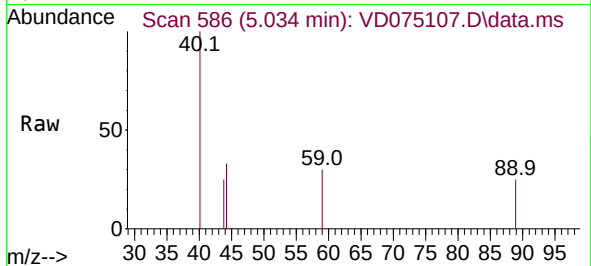




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.034 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

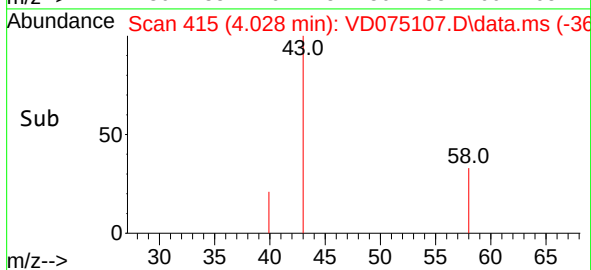
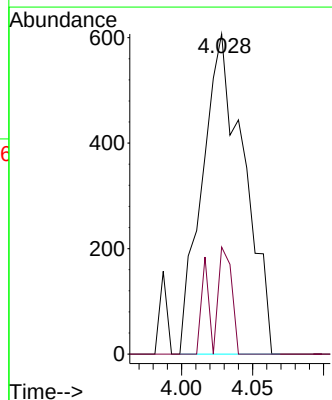
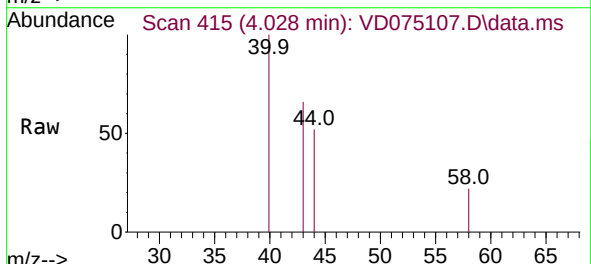
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

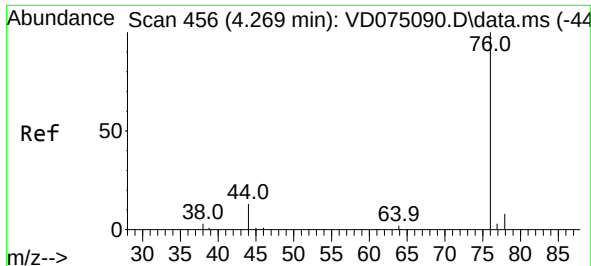
Tgt Ion: 59 Resp: 149
Ion Ratio Lower Upper
59 100
57 0.0 6.1 9.1#



#16
Acetone
Concen: 4.681 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
58 33.4 28.3 42.5

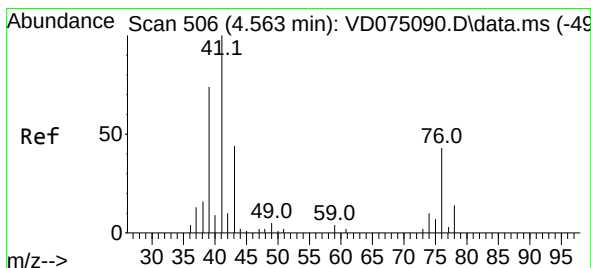
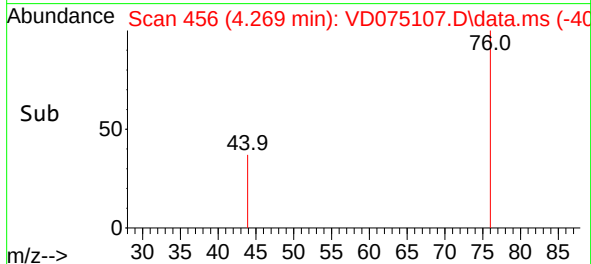
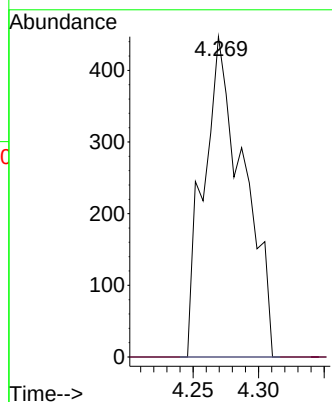
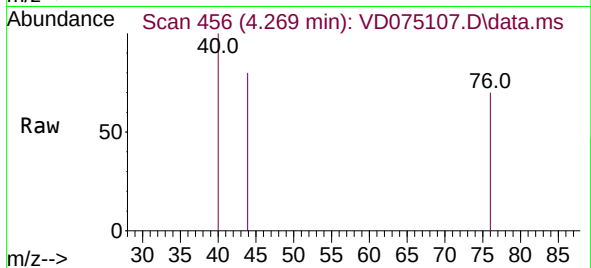




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 411
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

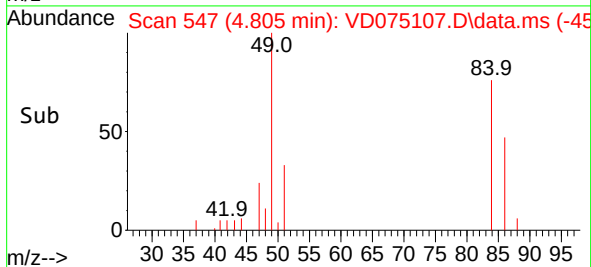
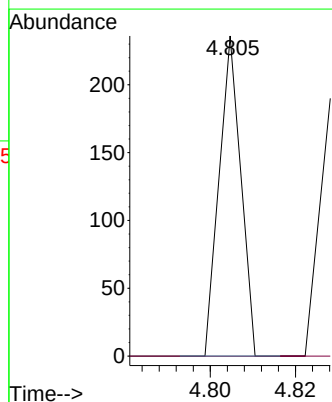
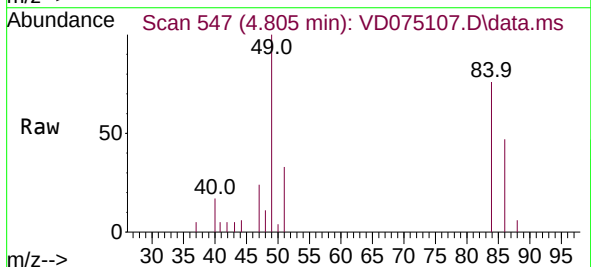
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

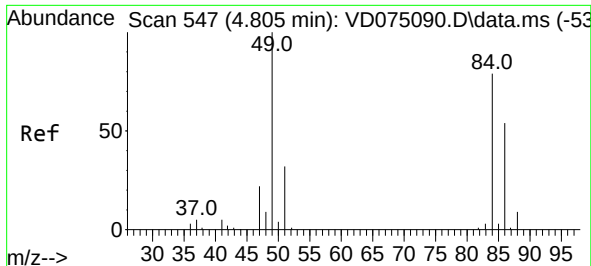
Tgt Ion: 76 Resp: 949
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.242 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

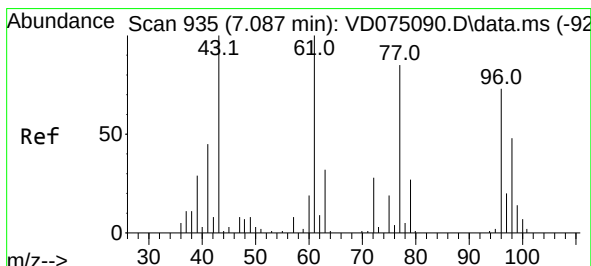
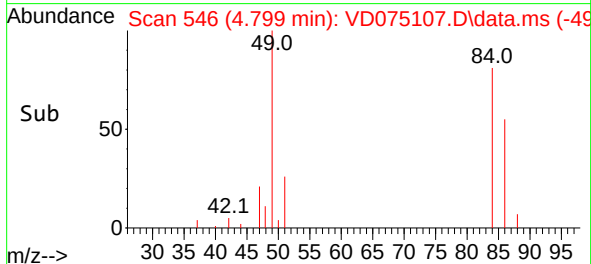
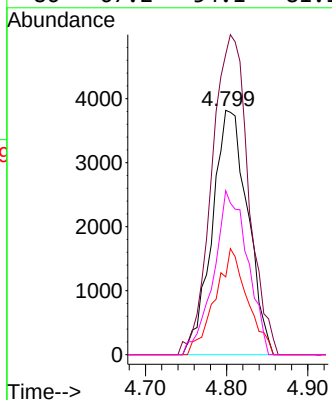
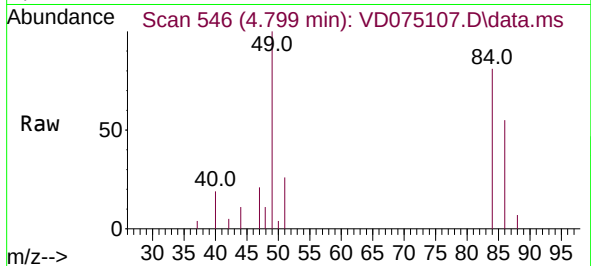




#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

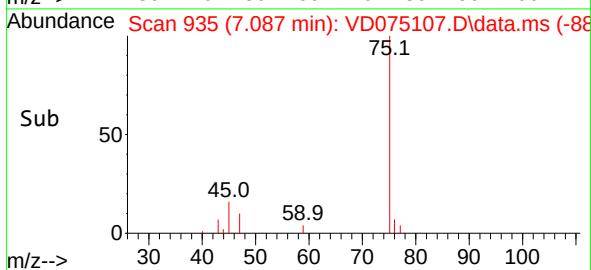
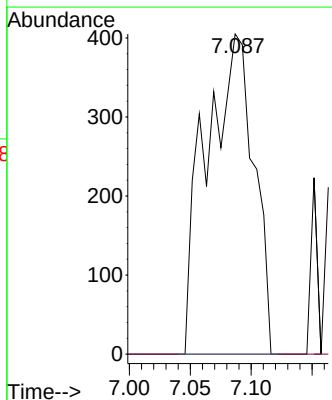
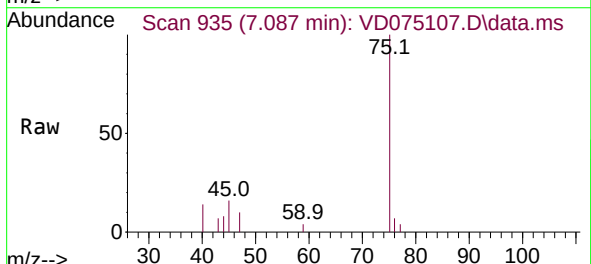
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

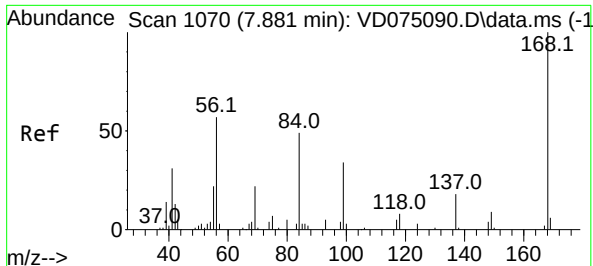
Tgt Ion: 84	Resp: 11641
Ion Ratio	Lower Upper
84 100	
49 122.9	100.6 151.0
51 31.8	31.8 47.8#
86 67.2	54.1 81.1



#25
2-Butanone
Concen: 3.130 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

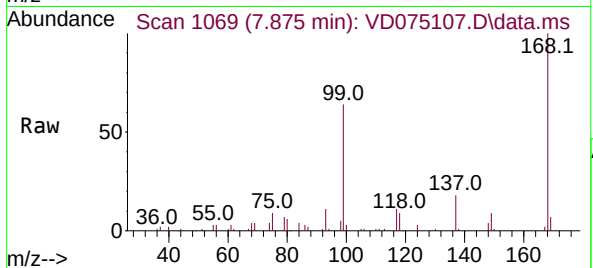
Tgt Ion: 43	Resp: 1100
Ion Ratio	Lower Upper
43 100	
72 0.0	22.6 33.8#



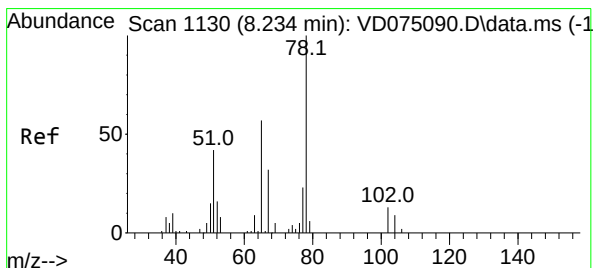
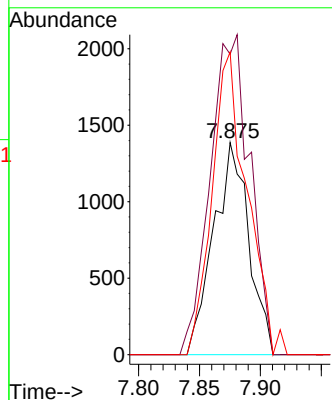
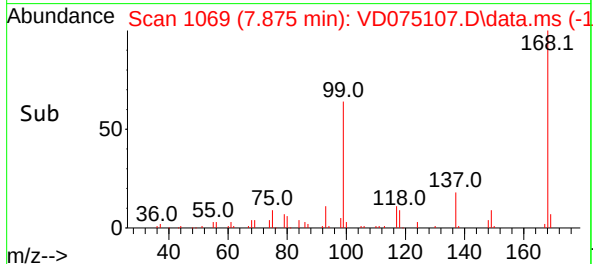


#31
Cyclohexane
Concen: Below Cal
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

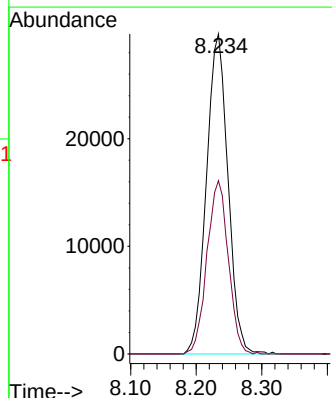
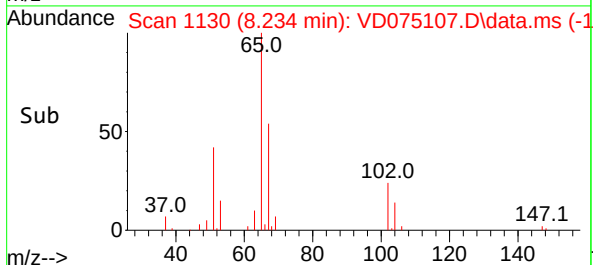
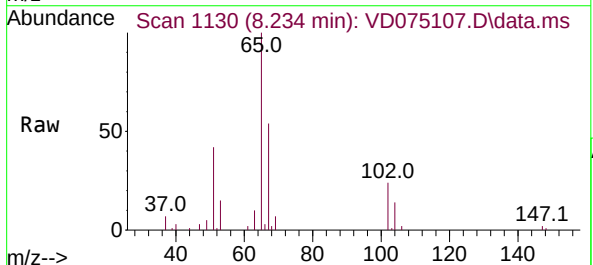


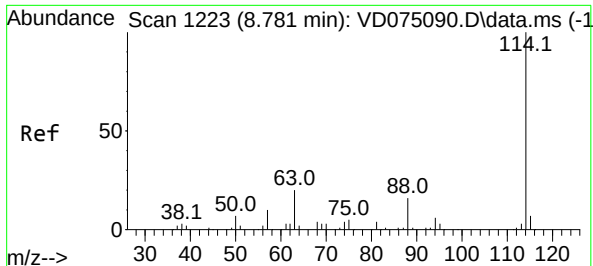
Tgt Ion: 56 Resp: 2781
Ion Ratio Lower Upper
56 100
69 141.6 30.4 45.6#
84 142.7 68.6 102.8#



#33
1,2-Dichloroethane-d4
Concen: 60.522 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion: 65 Resp: 67776
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075107.D

Acq: 10 Jan 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

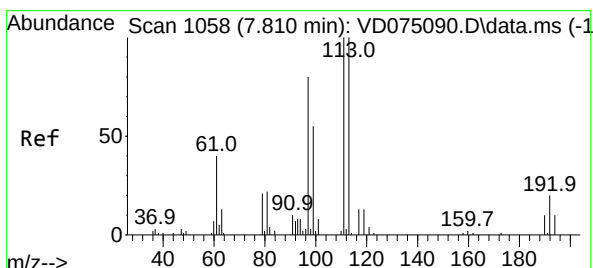
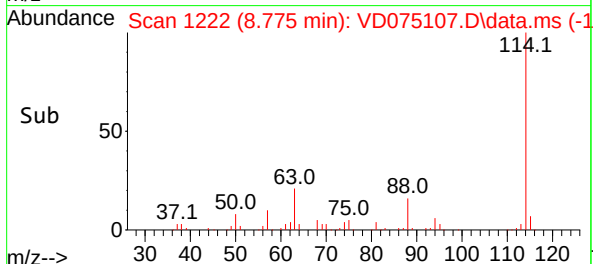
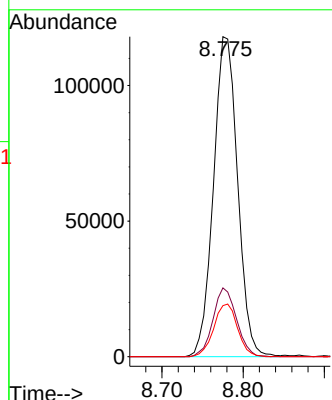
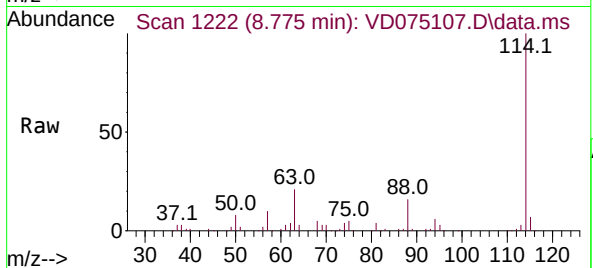
Tgt Ion:114 Resp: 244104

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 16.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.398 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075107.D

Acq: 10 Jan 2023 15:25

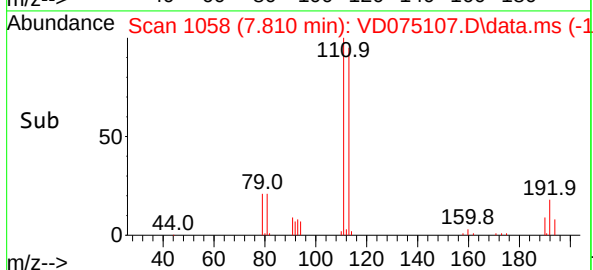
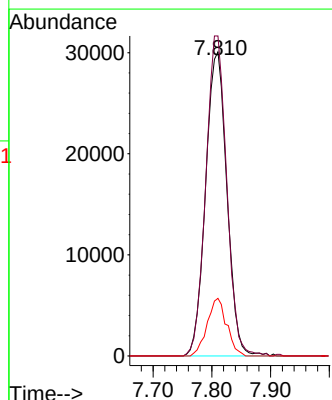
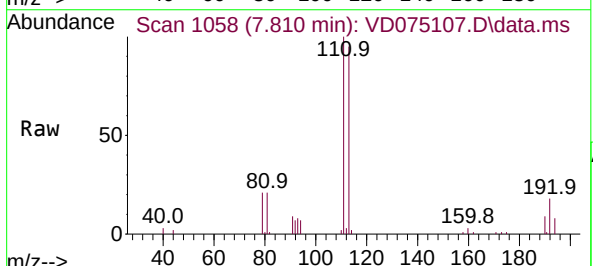
Tgt Ion:113 Resp: 75850

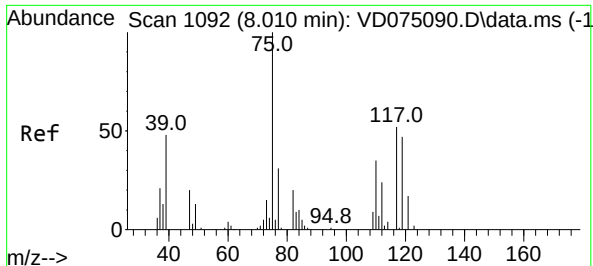
Ion Ratio Lower Upper

113 100

111 103.4 83.2 124.8

192 17.4 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

Lab File: VD075107.D

Acq: 10 Jan 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

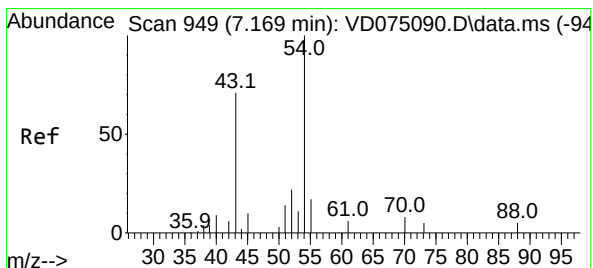
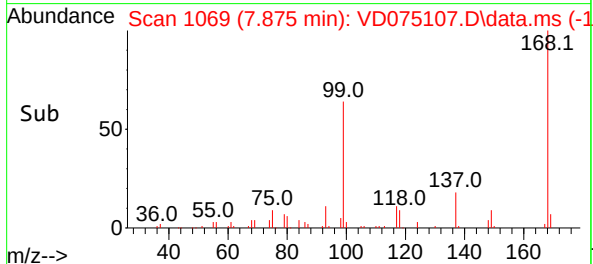
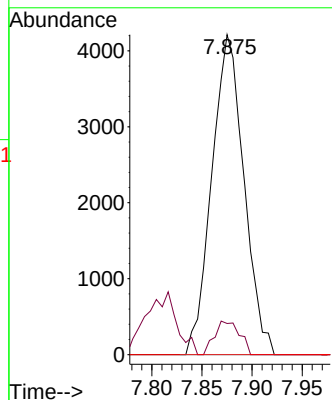
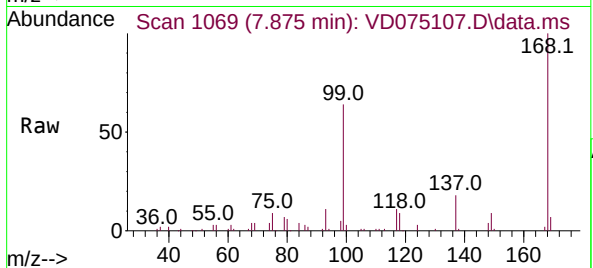
Tgt Ion: 75 Resp: 9391

Ion Ratio Lower Upper

75 100

110 8.2 18.8 56.3#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.187 min Scan# 952

Delta R.T. 0.018 min

Lab File: VD075107.D

Acq: 10 Jan 2023 15:25

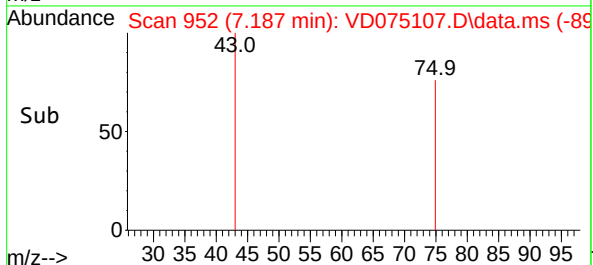
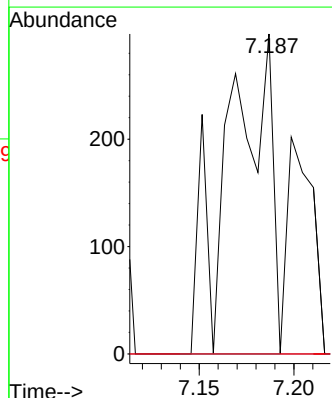
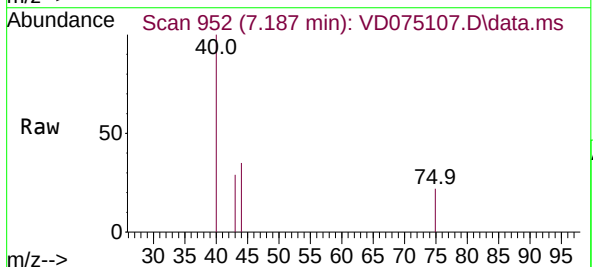
Tgt Ion: 43 Resp: 482

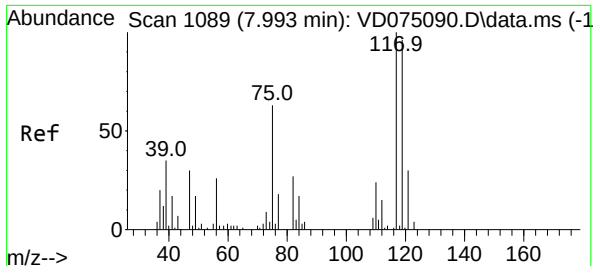
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

70 0.0 8.4 12.6#

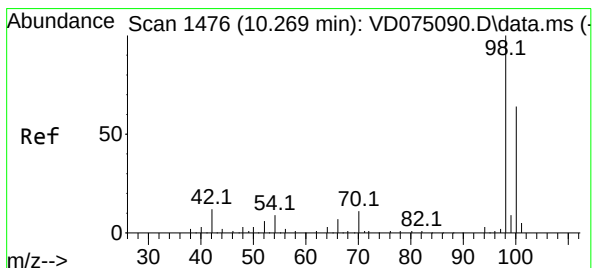
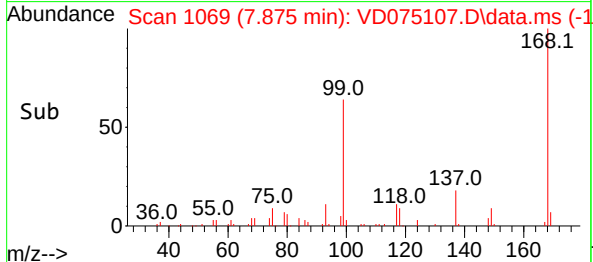
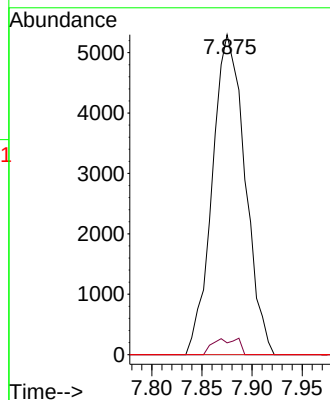
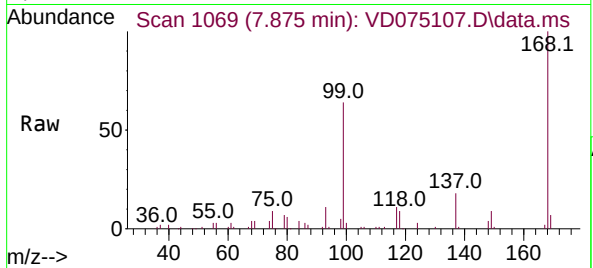




#38
Carbon Tetrachloride
Concen: 7.248 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

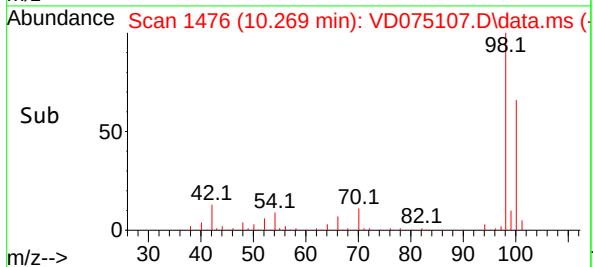
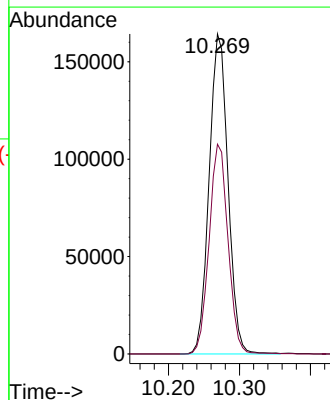
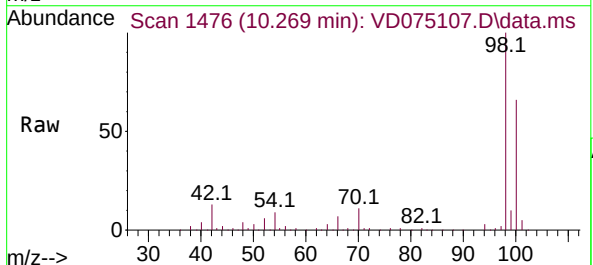
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

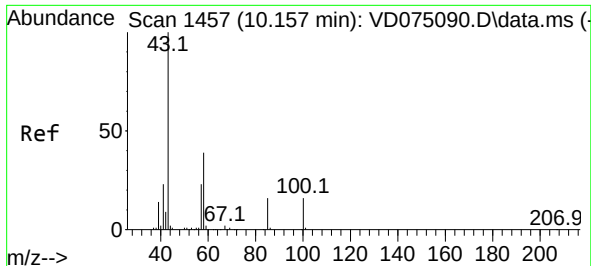
Tgt Ion:117 Resp: 12063
Ion Ratio Lower Upper
117 100
119 3.7 76.8 115.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 49.704 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion: 98 Resp: 302608
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

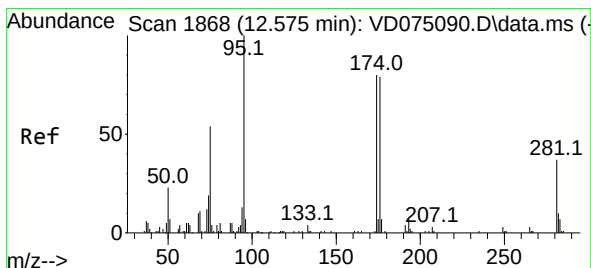
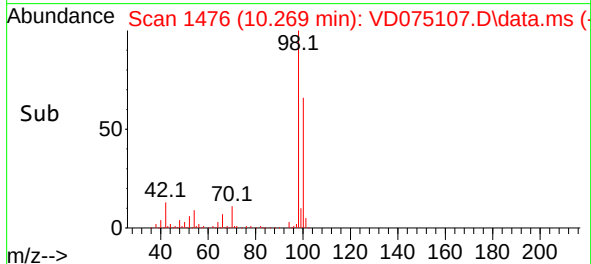
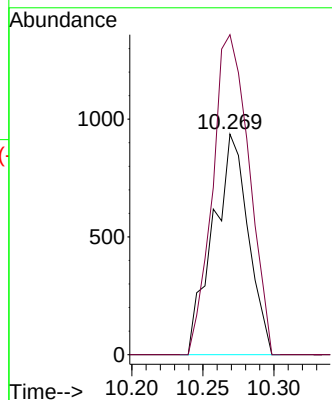
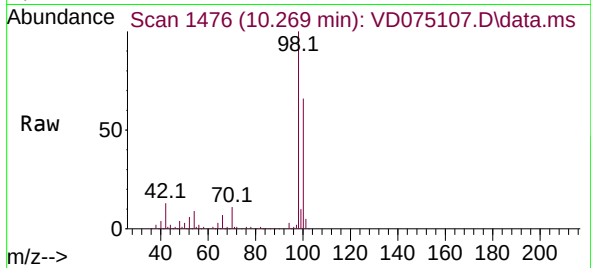




#51
4-Methyl-2-Pentanone
Concen: 1.742 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

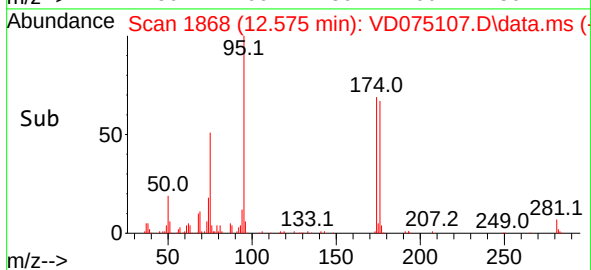
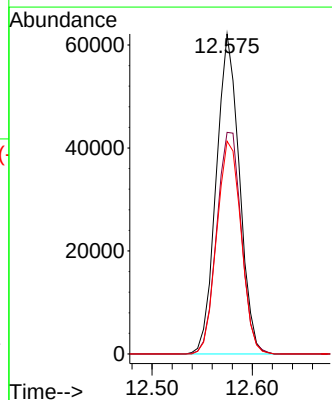
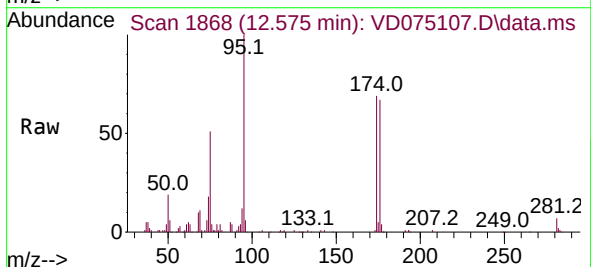
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

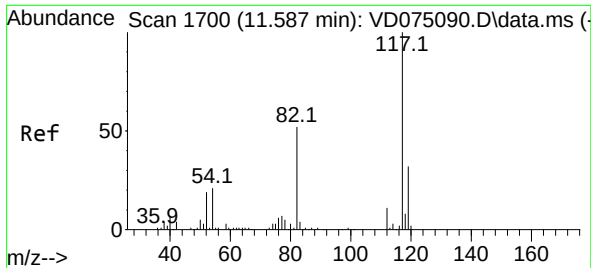
Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
58 151.2 31.0 46.4#



#62
4-Bromofluorobenzene
Concen: 50.919 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion: 95 Resp: 99505
Ion Ratio Lower Upper
95 100
174 73.7 0.0 168.4
176 70.0 0.0 163.8

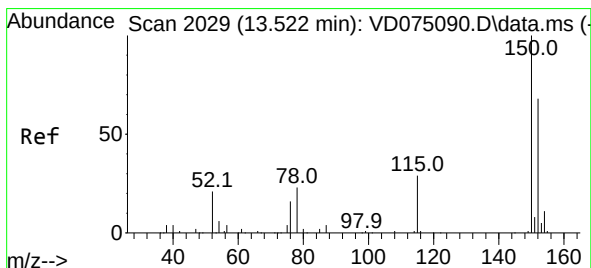
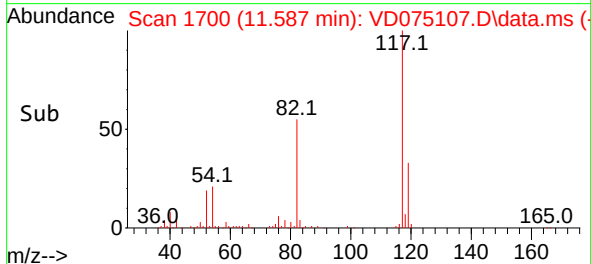
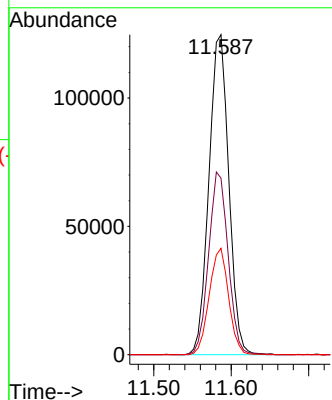
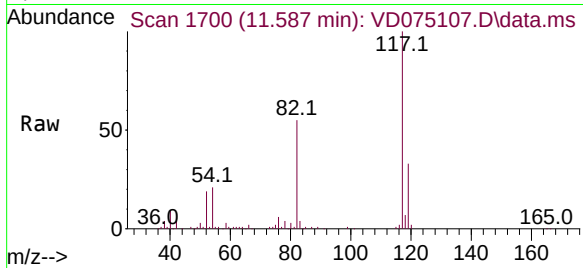




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

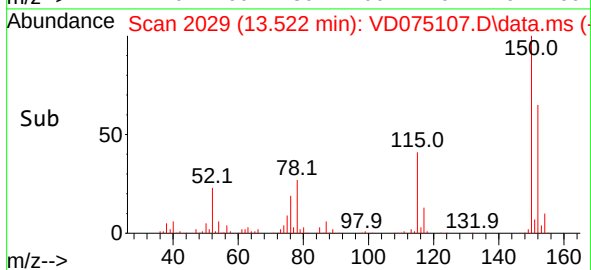
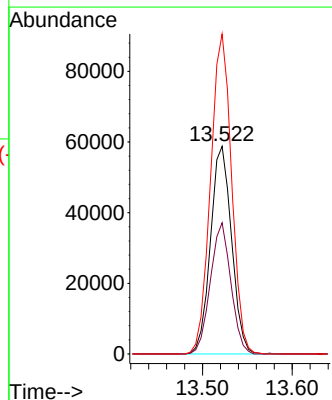
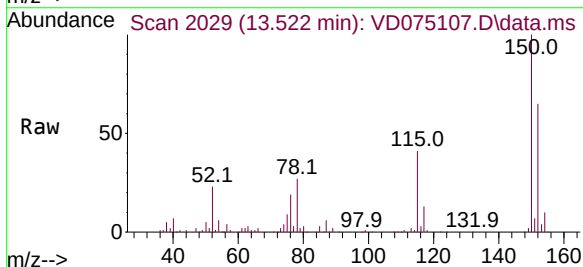
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

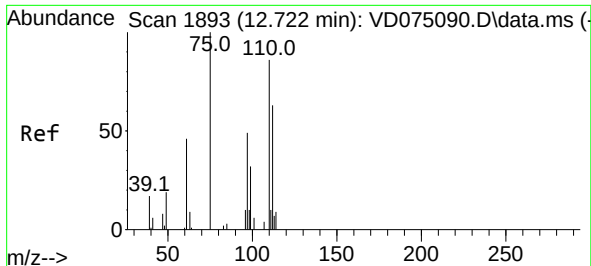
Tgt Ion:	117	Resp:	221988
Ion	Ratio	Lower	Upper
117	100		
82	55.2	41.3	61.9
119	33.2	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Tgt Ion:	152	Resp:	95741
Ion	Ratio	Lower	Upper
152	100		
115	61.5	28.7	86.1
150	153.6	0.0	343.2

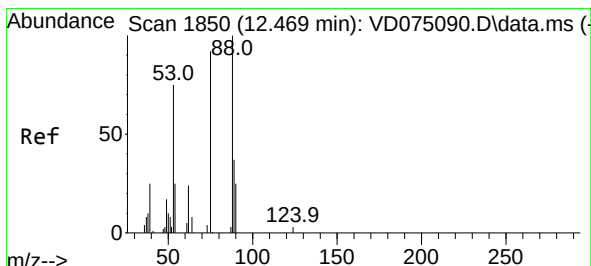
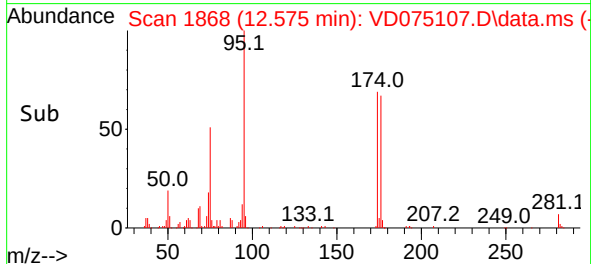
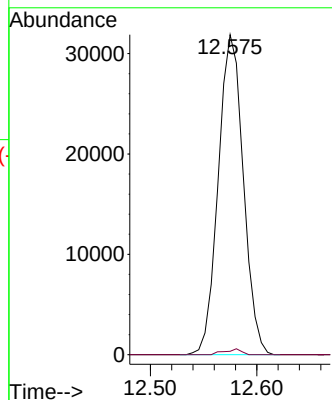
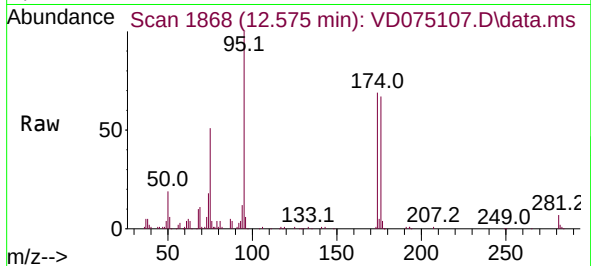




#76
1,2,3-Trichloropropane
Concen: 57.014 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

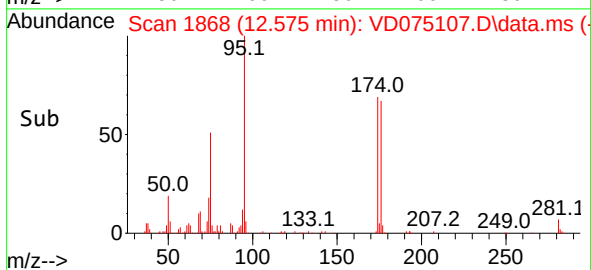
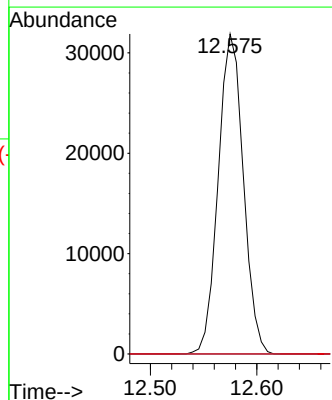
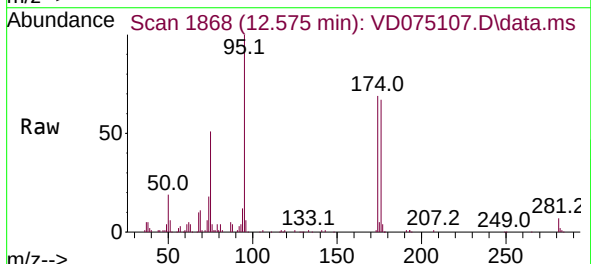
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

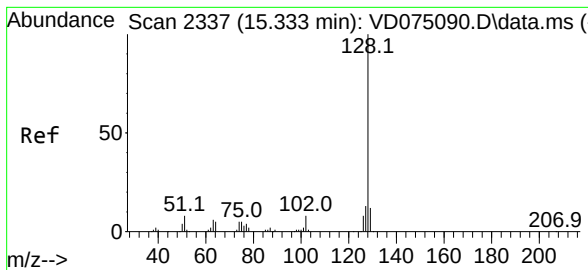
Tgt Ion: 75 Resp: 52084
Ion Ratio Lower Upper
75 100
77 1.2 149.0 447.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 151.413 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

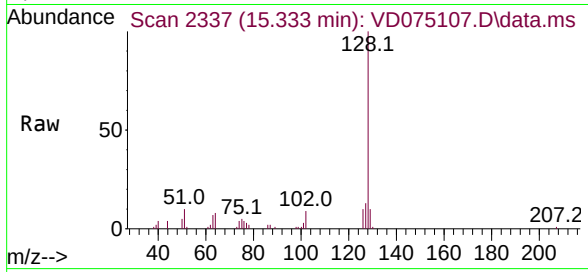
Tgt Ion: 75 Resp: 52084
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#





#95
Naphthalene
Concen: 12.755 ug/l
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075107.D
Acq: 10 Jan 2023 15:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK



Tgt Ion:	128	Resp:	45229
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.2	8.9	13.3

