

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122222\
 Data File : VD075047.D
 Acq On : 22 Dec 2022 13:44
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 22 14:34:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 22 14:27:40 2022
 Response via : Initial Calibration

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

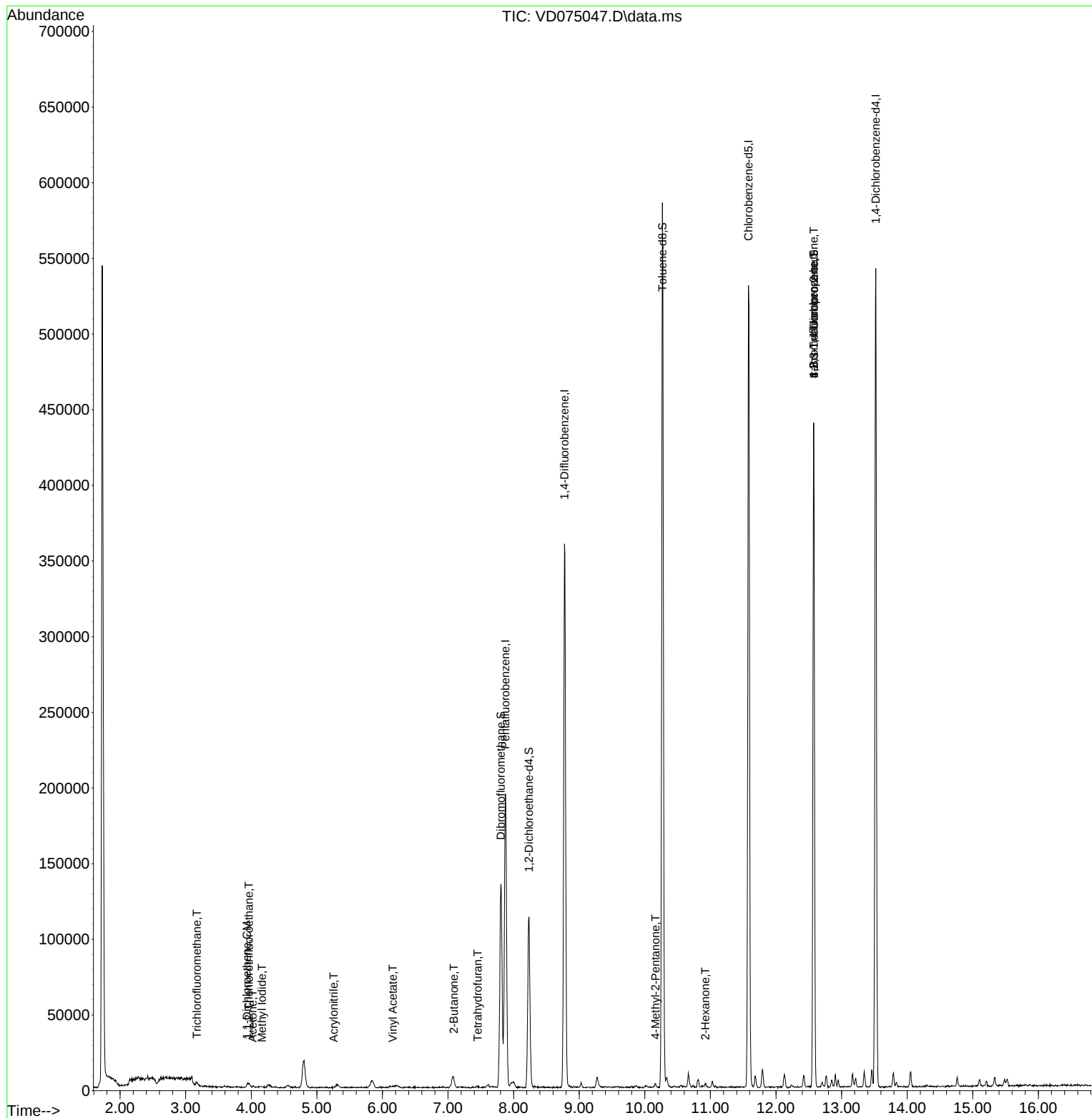
Internal Standards						
1) Pentafluorobenzene	7.875	168	150860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	327535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	315862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	142038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85926	58.270	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.540%	
35) Dibromofluoromethane	7.805	113	99559	51.656	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.320%	
50) Toluene-d8	10.269	98	402121	51.637	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.280%	
62) 4-Bromofluorobenzene	12.575	95	145631	57.725	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	821	Below Cal	#	51
3) Chloromethane	2.146	50	1540	Below Cal		98
5) Bromomethane	2.693	94	1226	Below Cal		86
7) Trichlorofluoromethane	3.170	101	1938	1.009	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.964	101	1634	1.208	ug/l	94
10) Methyl Iodide	4.164	142	1296	1.116	ug/l #	62
12) 1,1-Dichloroethene	3.934	96	1456	1.114	ug/l #	82
15) Acrylonitrile	5.258	53	375	1.006	ug/l #	32
16) Acetone	4.022	43	1172	3.060	ug/l #	39
17) Carbon Disulfide	4.270	76	3499	Below Cal	#	75
18) Methyl Acetate	4.558	43	341	Below Cal	#	44
23) Vinyl Acetate	6.158	43	2354	1.062	ug/l #	65
25) 2-Butanone	7.087	43	1820	3.561	ug/l #	39
29) Tetrahydrofuran	7.452	42	567	1.924	ug/l #	25
31) Cyclohexane	7.875	56	5922	Below Cal	#	59
51) 4-Methyl-2-Pentanone	10.163	43	2111	1.689	ug/l #	74
59) 2-Hexanone	10.922	43	2246	2.471	ug/l	67
76) 1,2,3-Trichloropropane	12.575	75	73591	50.530	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	73591	117.110	ug/l #	19

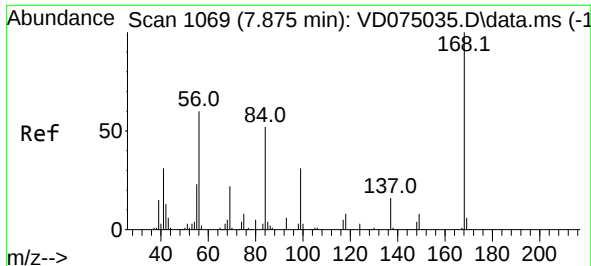
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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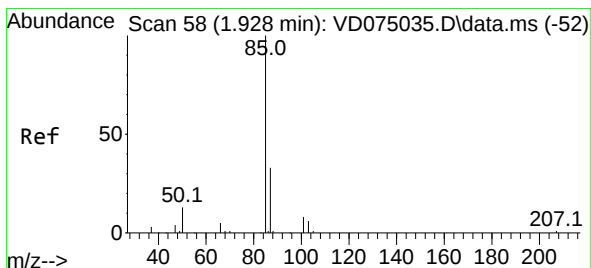
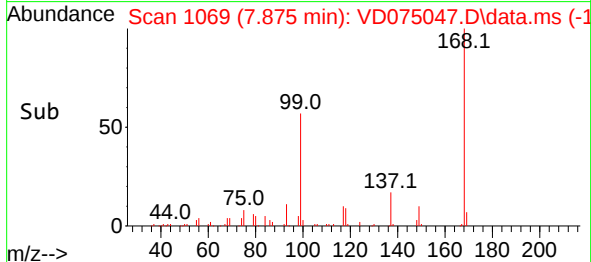
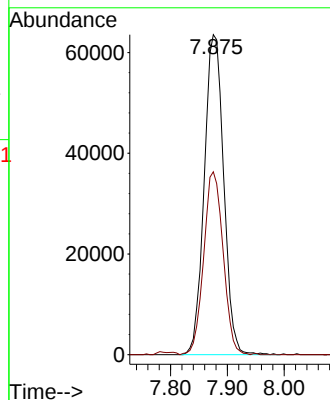
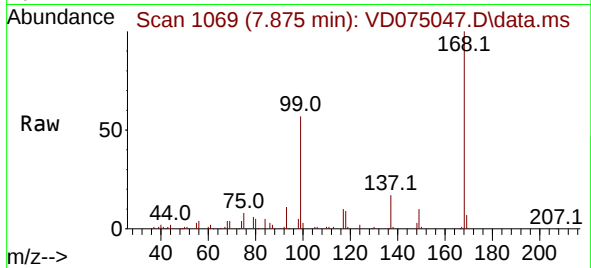




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

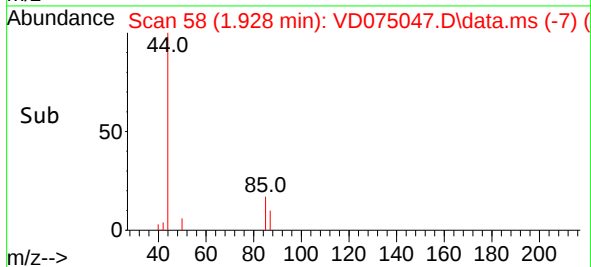
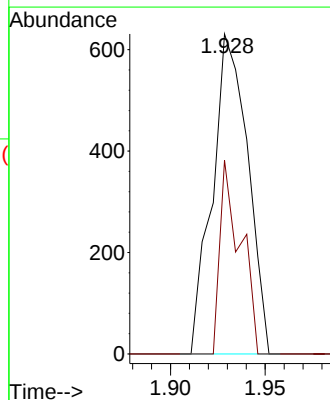
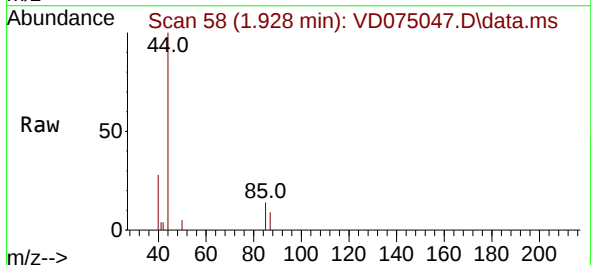
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

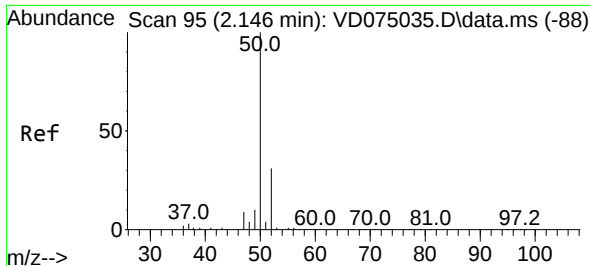
Tgt Ion:168 Resp: 150860
Ion Ratio Lower Upper
168 100
99 57.2 40.3 60.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 85 Resp: 821
Ion Ratio Lower Upper
85 100
87 60.5 16.5 49.5#

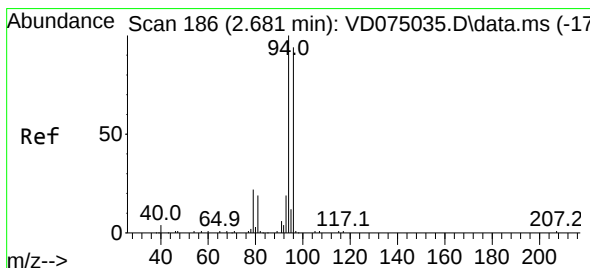
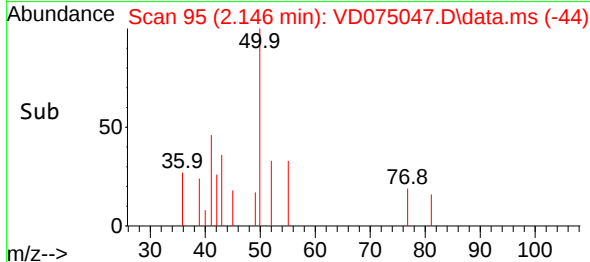
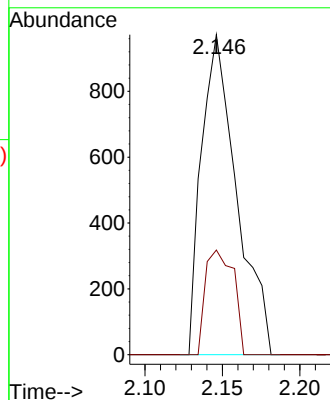
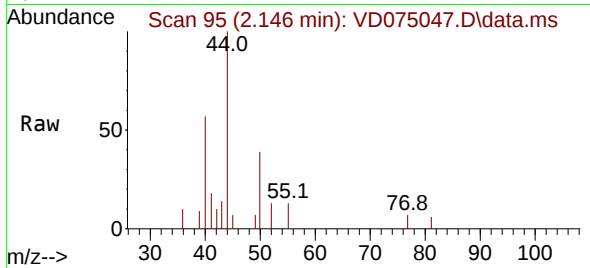




#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

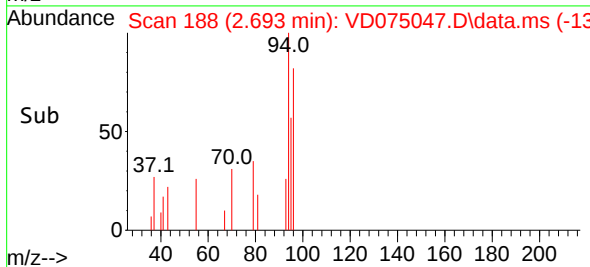
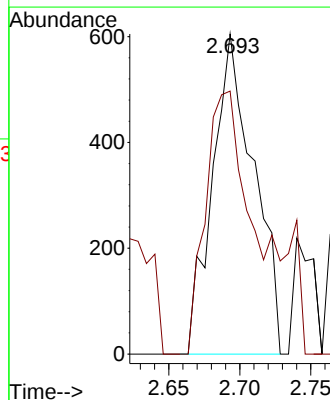
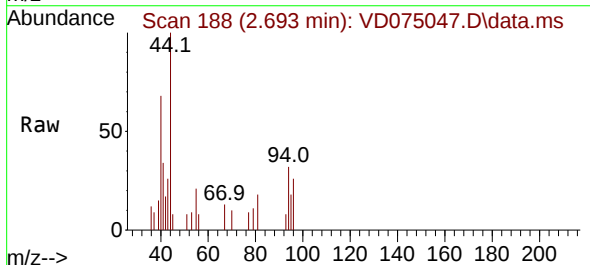
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

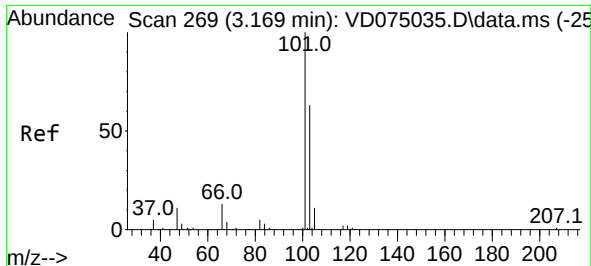
Tgt Ion: 50 Resp: 1540
Ion Ratio Lower Upper
50 100
52 32.7 27.2 40.8



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.012 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 94 Resp: 1226
Ion Ratio Lower Upper
94 100
96 107.7 75.2 112.8

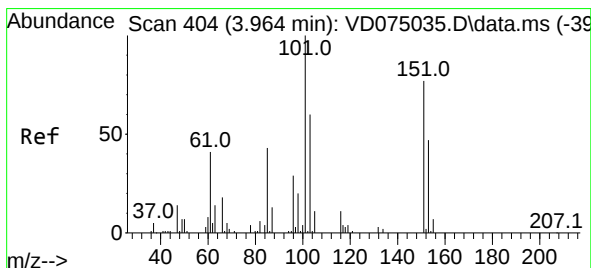
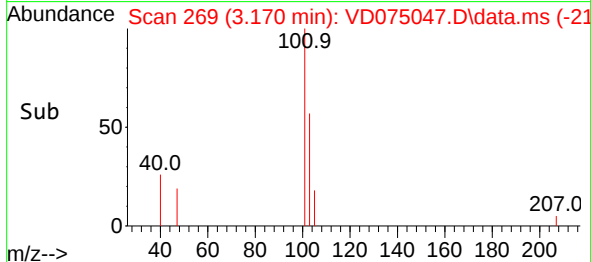
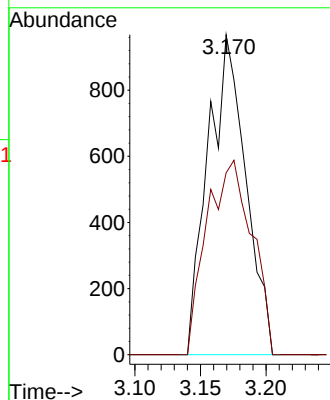
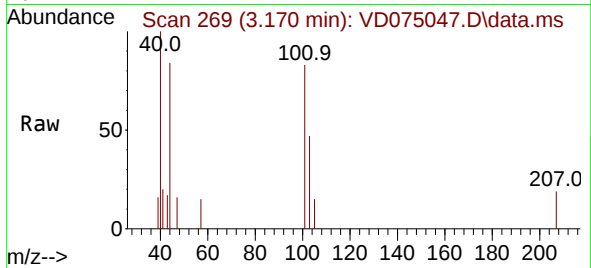




#7
 Trichlorofluoromethane
 Concen: 1.009 ug/l
 RT: 3.170 min Scan# 207
 Delta R.T. 0.001 min
 Lab File: VD075047.D
 Acq: 22 Dec 2022 13:44

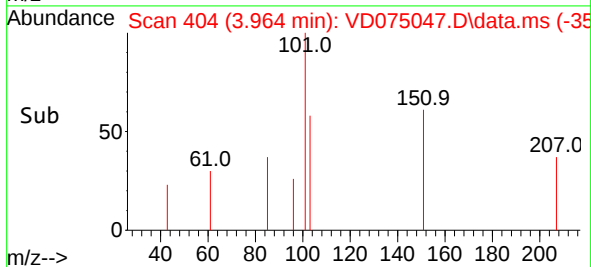
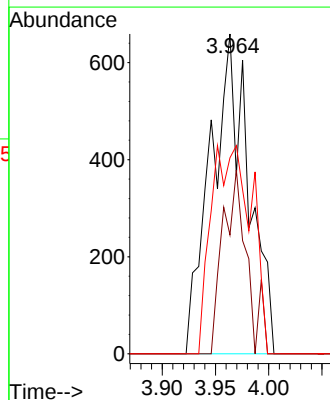
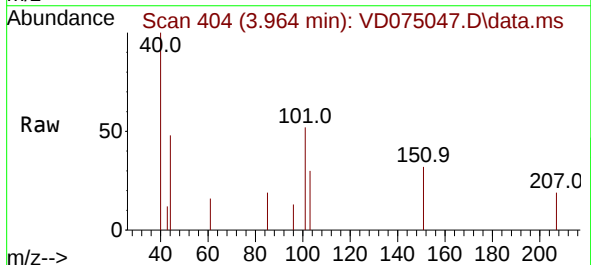
Instrument :
 MSVOA_D
 ClientSampleId :
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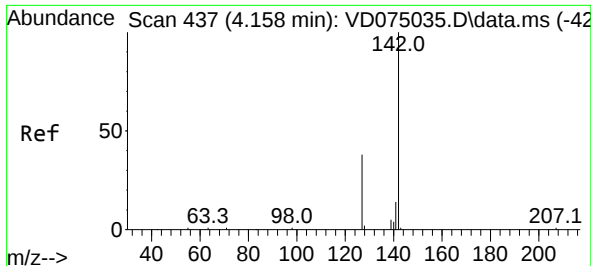
Tgt Ion:101 Resp: 1938
 Ion Ratio Lower Upper
 101 100
 103 56.8 49.1 73.7



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.208 ug/l
 RT: 3.964 min Scan# 404
 Delta R.T. -0.000 min
 Lab File: VD075047.D
 Acq: 22 Dec 2022 13:44

Tgt Ion:101 Resp: 1634
 Ion Ratio Lower Upper
 101 100
 85 36.0 33.4 50.0
 151 69.5 58.9 88.3

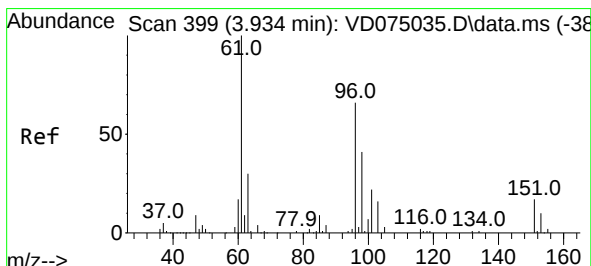
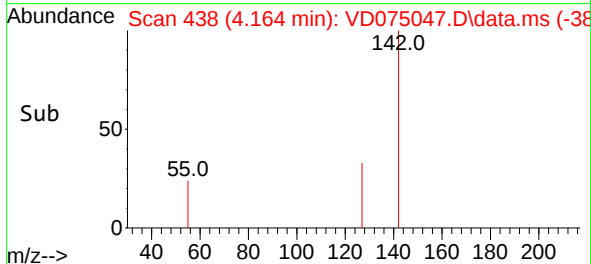
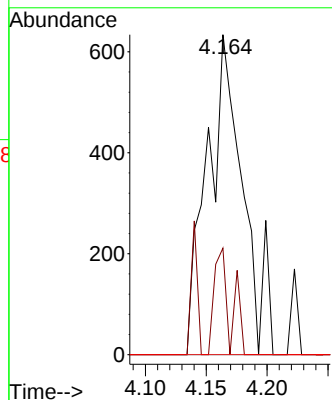
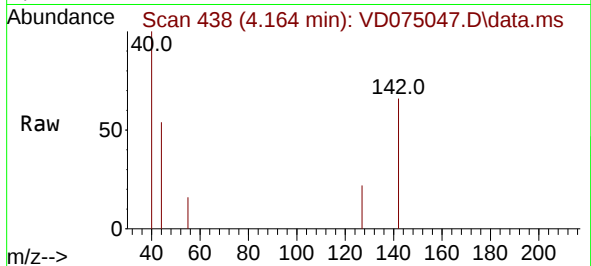




#10
Methyl Iodide
Concen: 1.116 ug/l
RT: 4.164 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

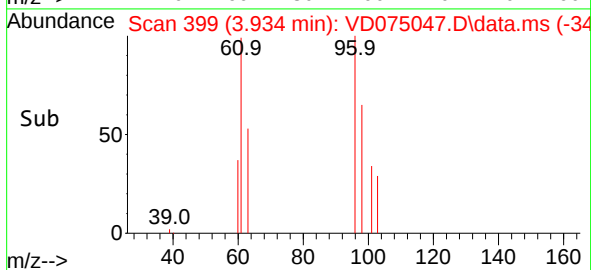
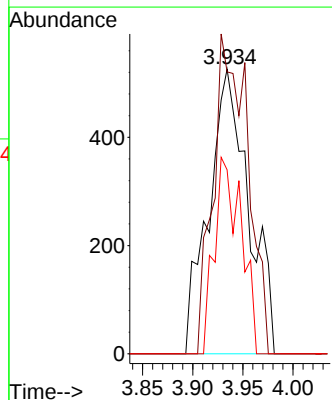
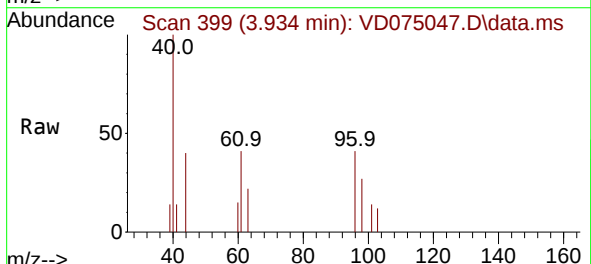
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

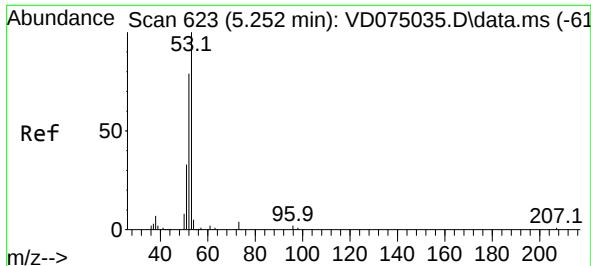
Tgt Ion:142 Resp: 1296
Ion Ratio Lower Upper
142 100
127 15.2 31.4 47.2#
141 0.0 11.4 17.2#



#12
1,1-Dichloroethene
Concen: 1.114 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 96 Resp: 1456
Ion Ratio Lower Upper
96 100
61 99.0 104.9 157.3#
98 64.6 51.8 77.8

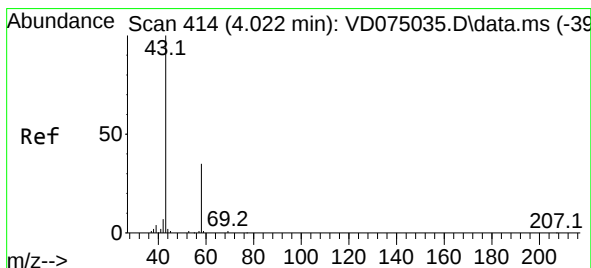
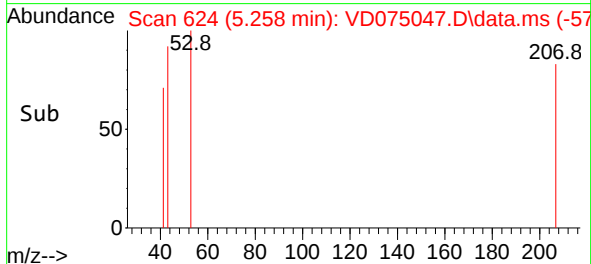
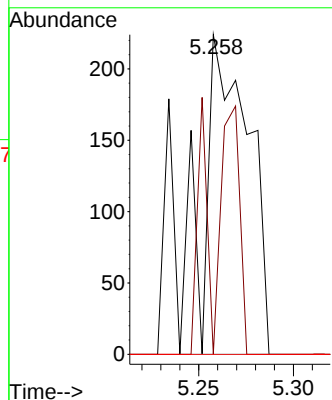
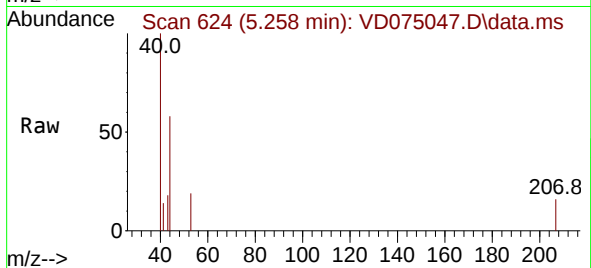




#15
Acrylonitrile
Concen: 1.006 ug/l
RT: 5.258 min Scan# 615
Delta R.T. 0.006 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

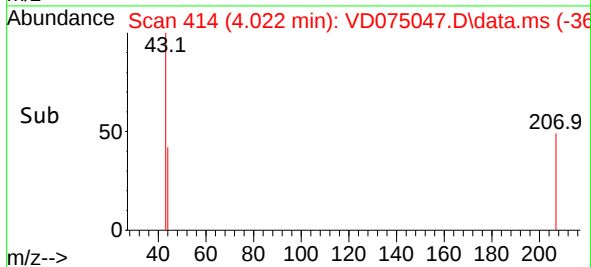
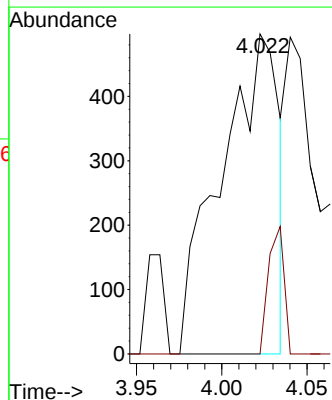
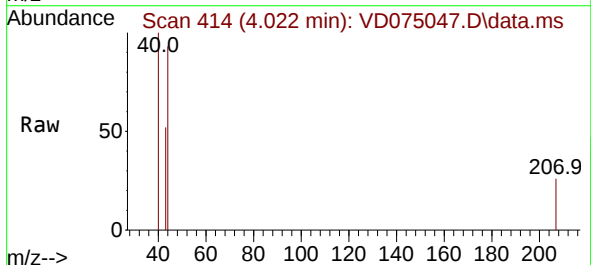
Instrument :
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ClientSampleId :
VIBLK

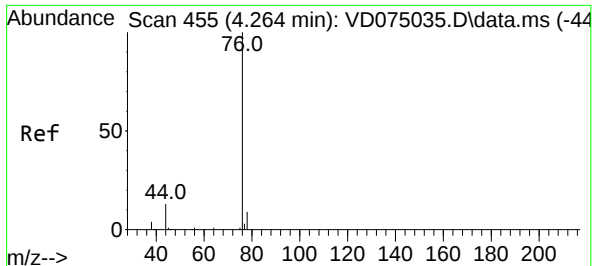
Tgt Ion: 53 Resp: 375
Ion Ratio Lower Upper
53 100
52 17.1 64.0 96.0#
51 0.0 27.8 41.8#



#16
Acetone
Concen: 3.060 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

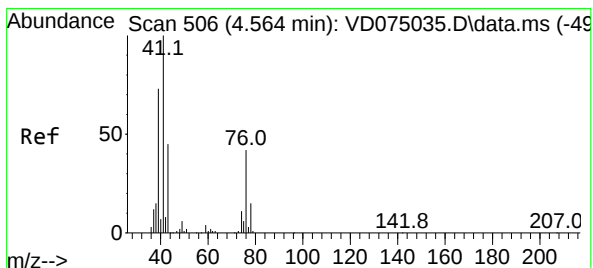
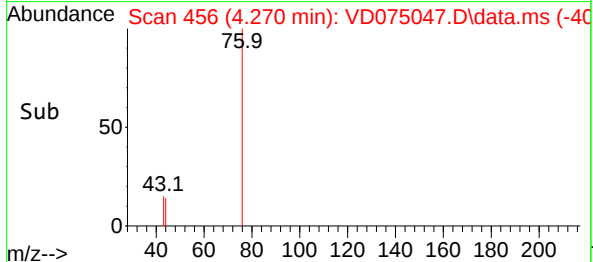
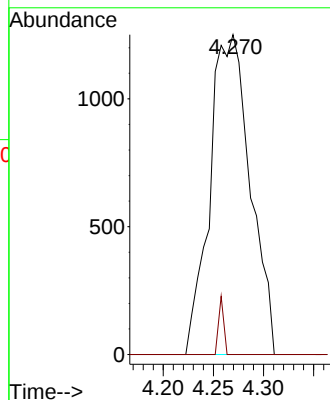
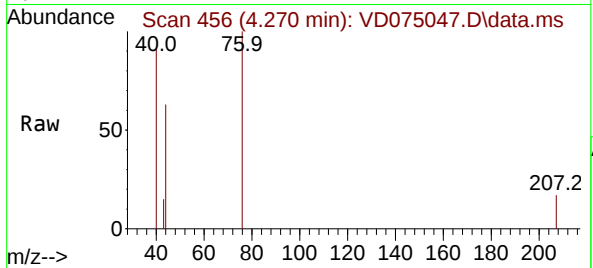




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.270 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

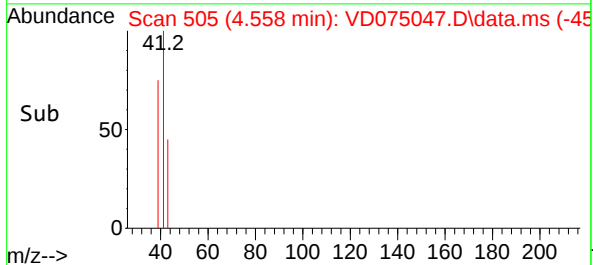
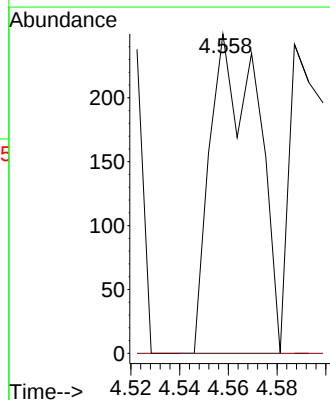
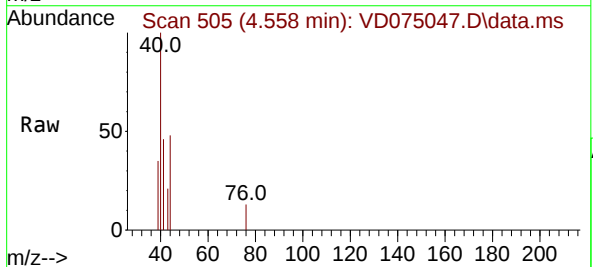
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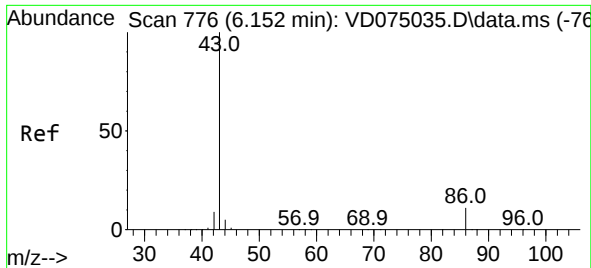
Tgt Ion: 76 Resp: 3499
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.558 min Scan# 505
Delta R.T. -0.006 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#

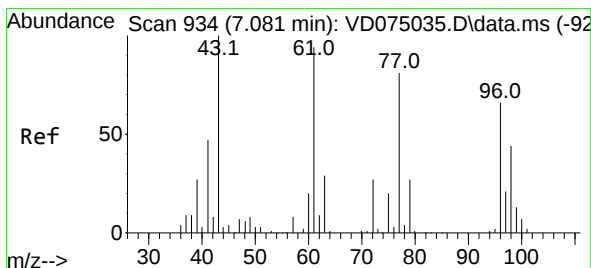
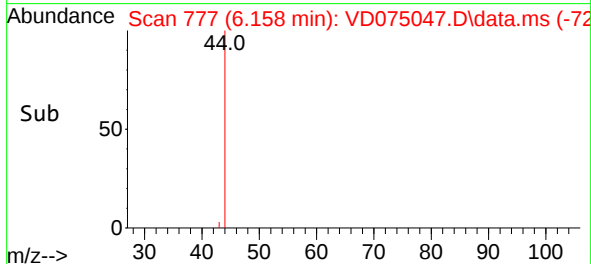
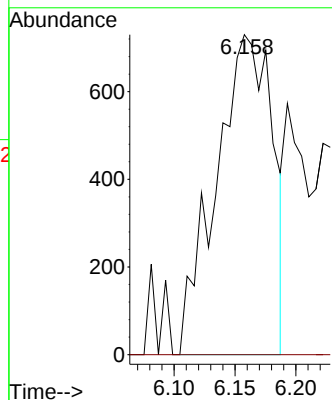
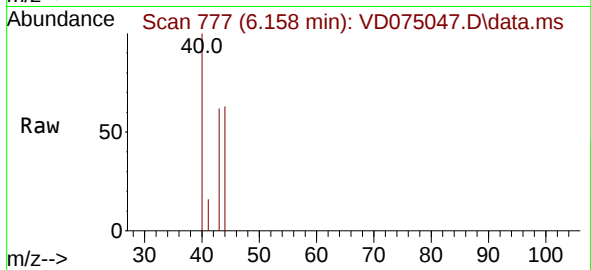




#23
 Vinyl Acetate
 Concen: 1.062 ug/l
 RT: 6.158 min Scan# 777
 Delta R.T. 0.006 min
 Lab File: VD075047.D
 Acq: 22 Dec 2022 13:44

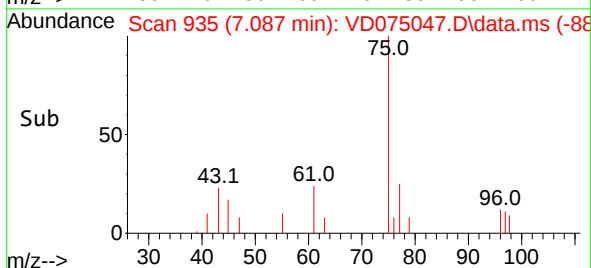
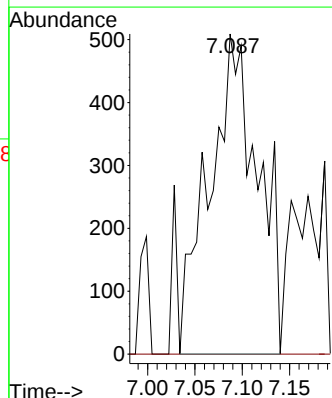
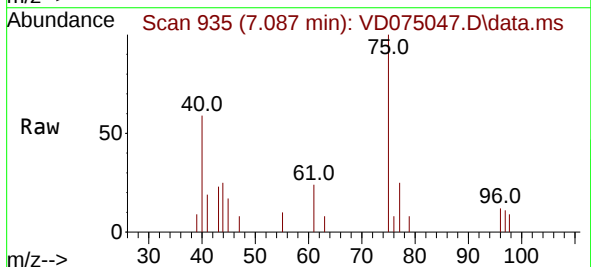
Instrument :
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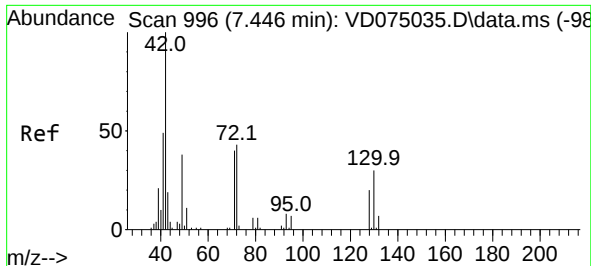
Tgt Ion: 43 Resp: 2354
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.4 17.0#



#25
 2-Butanone
 Concen: 3.561 ug/l
 RT: 7.087 min Scan# 935
 Delta R.T. 0.006 min
 Lab File: VD075047.D
 Acq: 22 Dec 2022 13:44

Tgt Ion: 43 Resp: 1820
 Ion Ratio Lower Upper
 43 100
 72 0.0 28.4 42.6#





#29

Tetrahydrofuran

Concen: 1.924 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

Lab File: VD075047.D

Acq: 22 Dec 2022 13:44

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

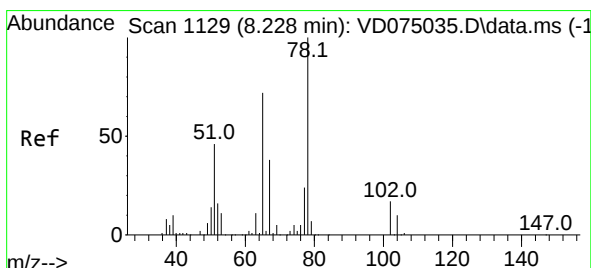
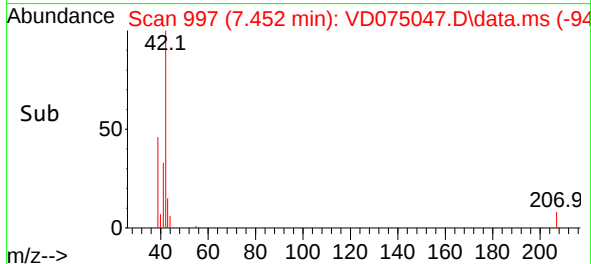
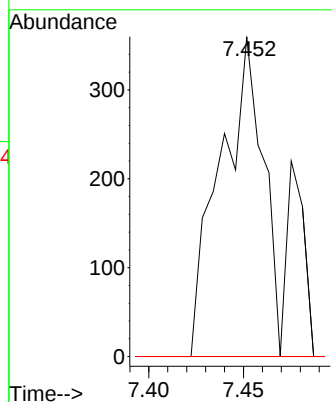
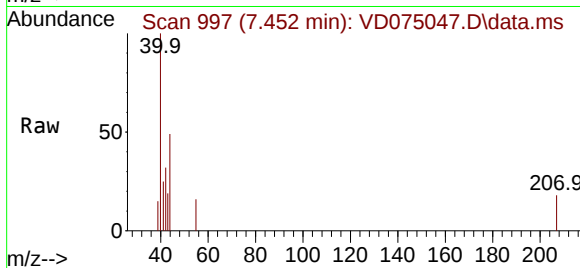
Tgt Ion: 42 Resp: 567

Ion Ratio Lower Upper

42 100

72 0.0 43.8 65.8#

71 0.0 41.1 61.7#



#33

1,2-Dichloroethane-d4

Concen: 58.270 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD075047.D

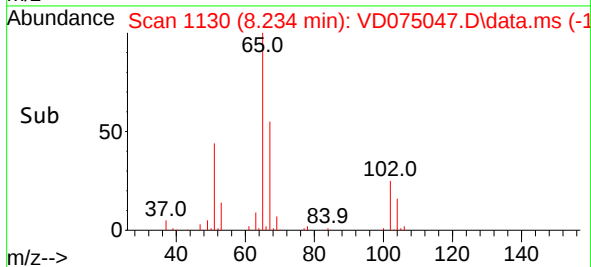
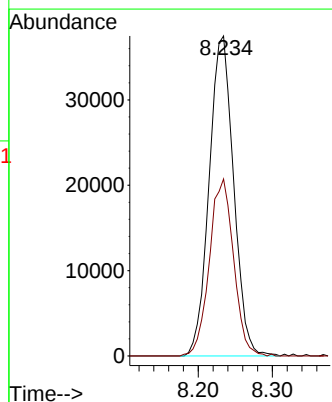
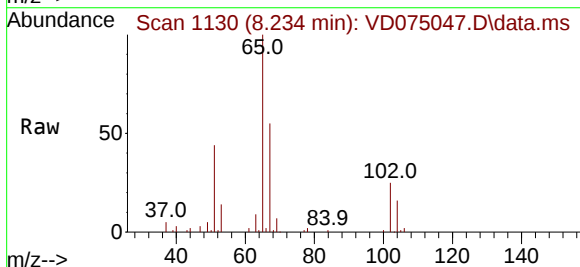
Acq: 22 Dec 2022 13:44

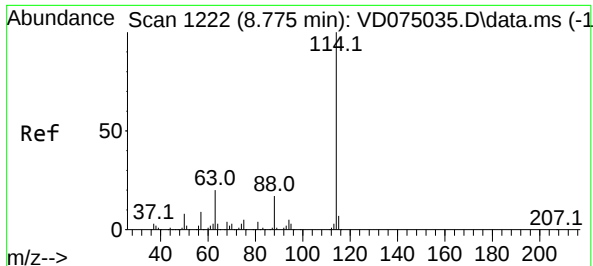
Tgt Ion: 65 Resp: 85926

Ion Ratio Lower Upper

65 100

67 54.8 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075047.D

Acq: 22 Dec 2022 13:44

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

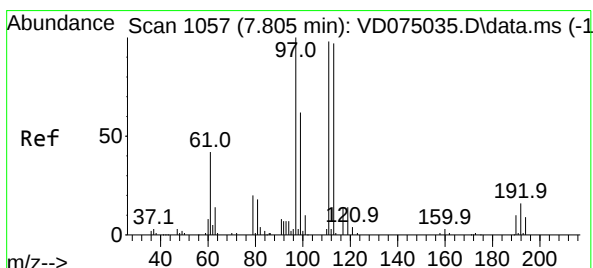
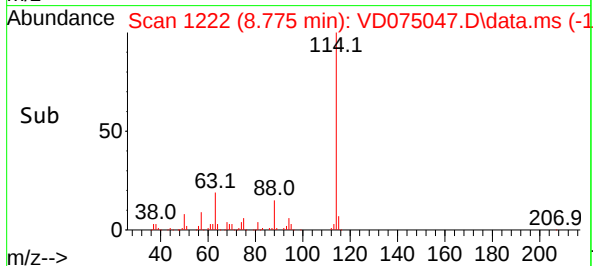
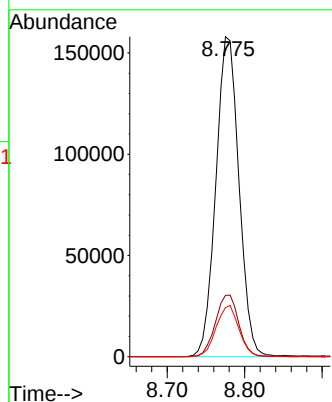
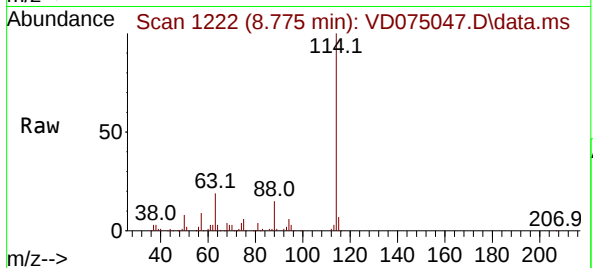
Tgt Ion:114 Resp: 327535

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.8

88 15.4 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.656 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075047.D

Acq: 22 Dec 2022 13:44

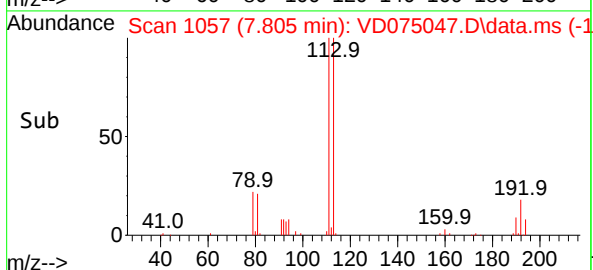
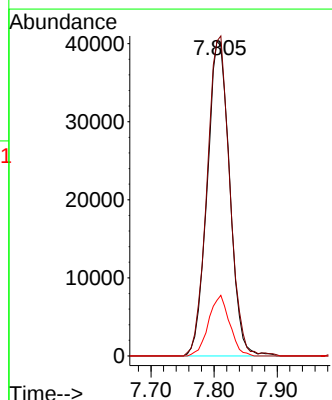
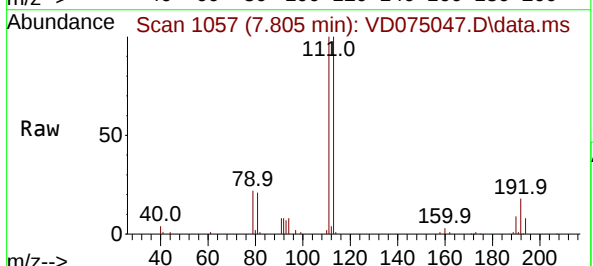
Tgt Ion:113 Resp: 99559

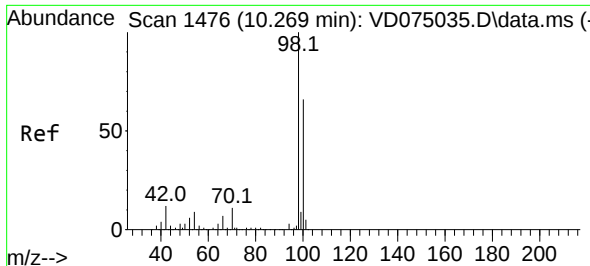
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 18.0 15.1 22.7

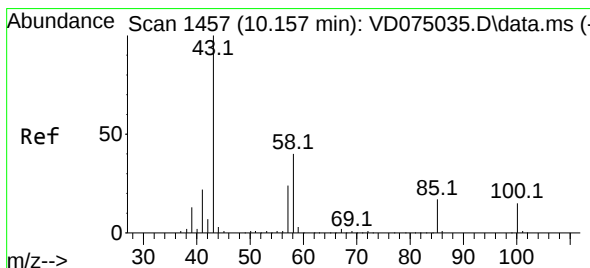
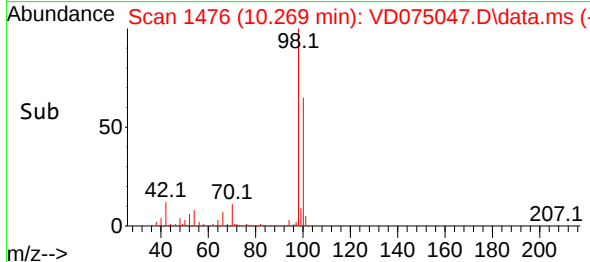
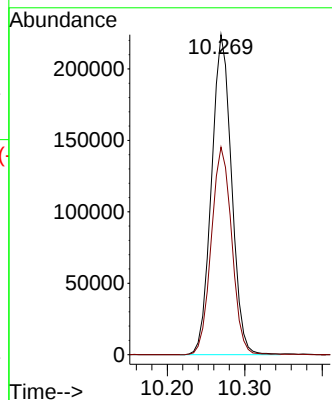
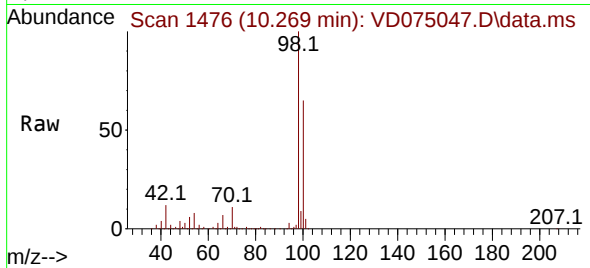




#50
Toluene-d8
Concen: 51.637 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

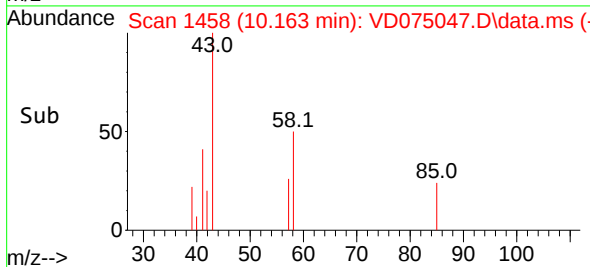
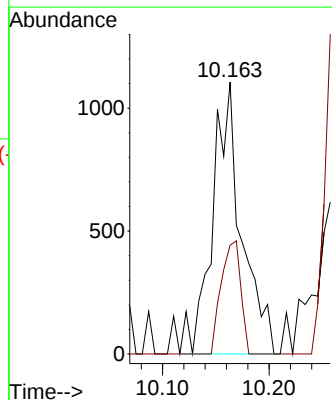
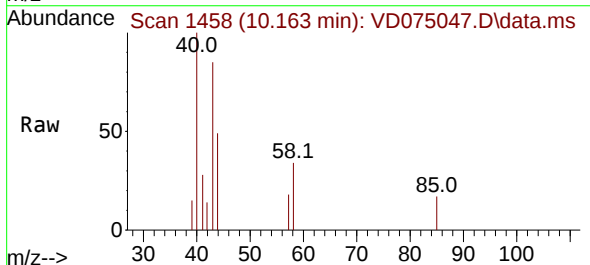
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

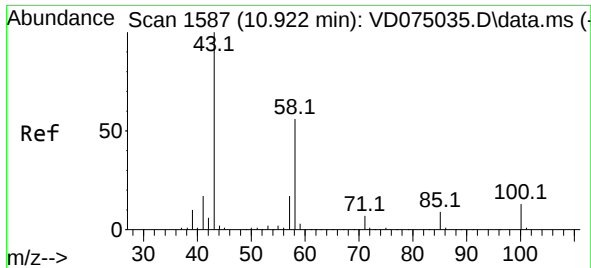
Tgt Ion: 98 Resp: 402121
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.689 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 43 Resp: 2111
Ion Ratio Lower Upper
43 100
58 27.6 35.7 53.5#

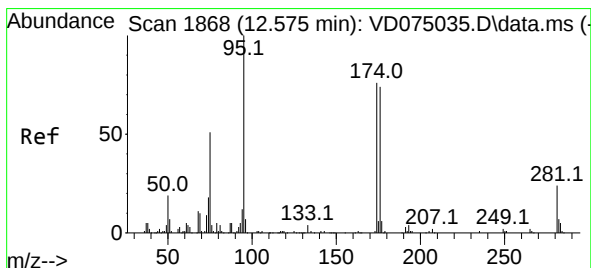
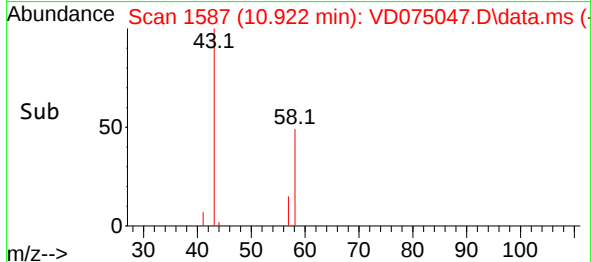
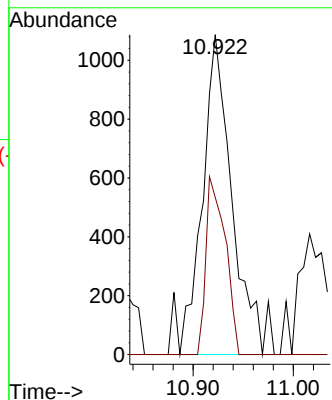
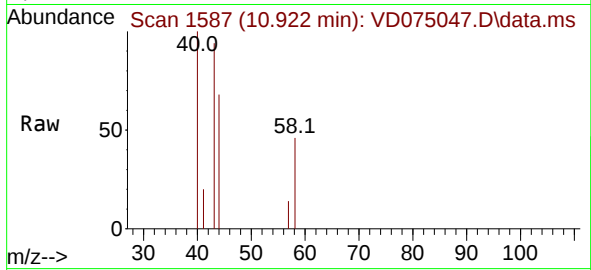




#59
2-Hexanone
Concen: 2.471 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

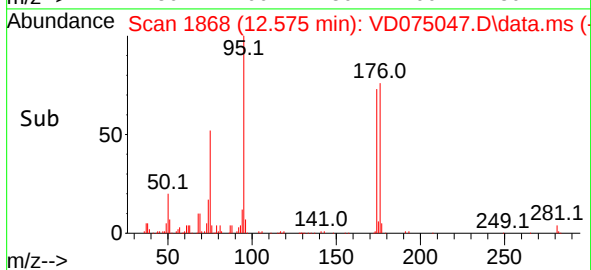
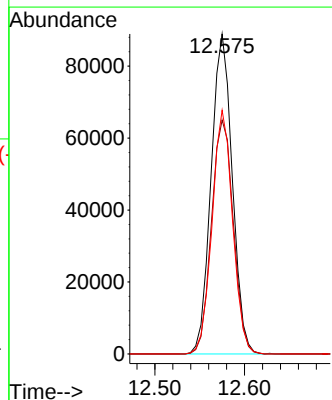
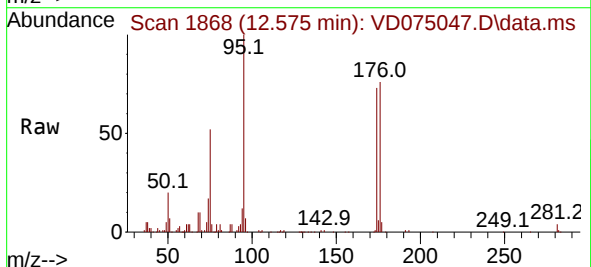
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

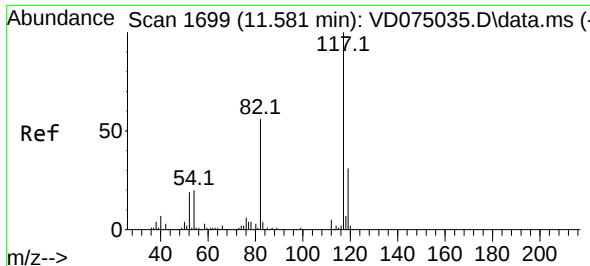
Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 36.2 30.8 92.4



#62
4-Bromofluorobenzene
Concen: 57.725 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 95 Resp: 145631
Ion Ratio Lower Upper
95 100
174 75.5 0.0 171.2
176 74.0 0.0 165.0

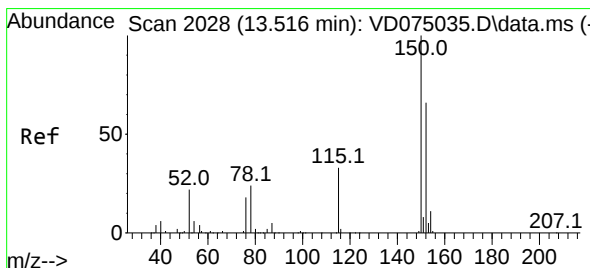
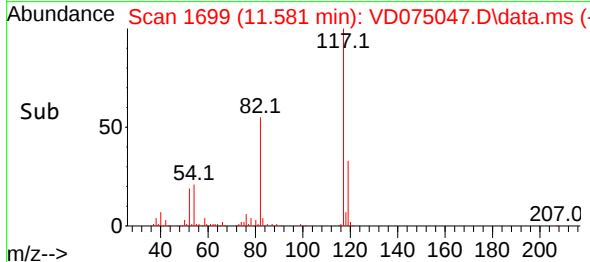
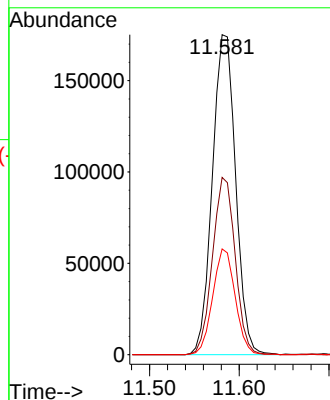
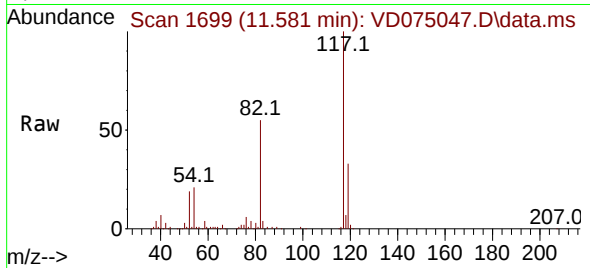




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

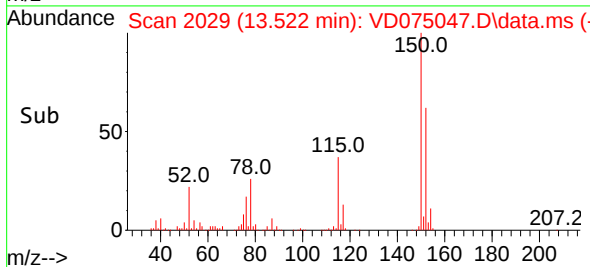
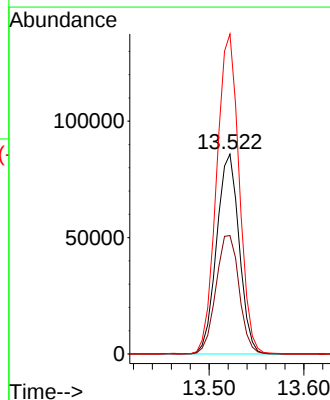
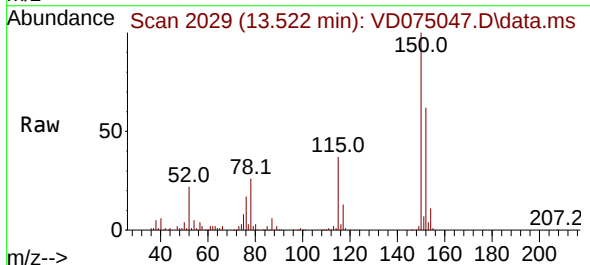
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

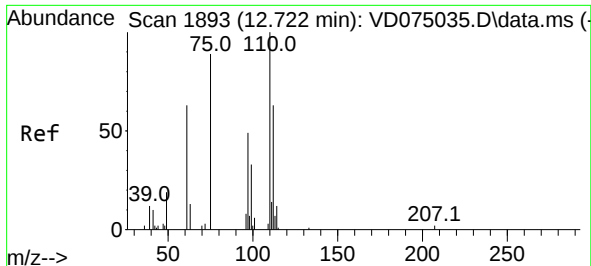
Tgt Ion:117 Resp: 315862
Ion Ratio Lower Upper
117 100
82 55.4 40.9 61.3
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion:152 Resp: 142038
Ion Ratio Lower Upper
152 100
115 61.2 28.8 86.5
150 159.9 0.0 354.2

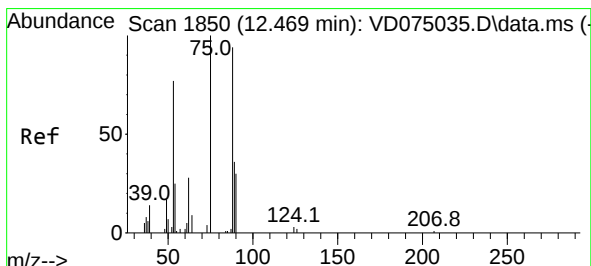
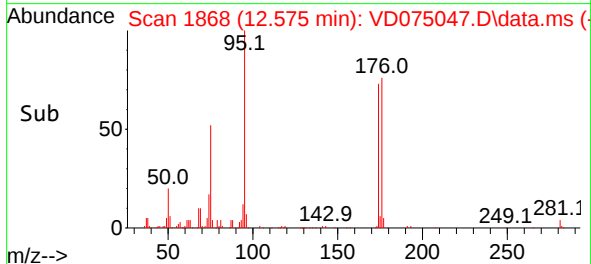
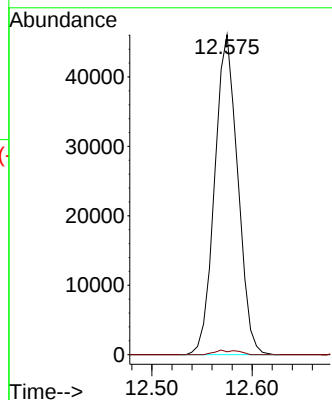
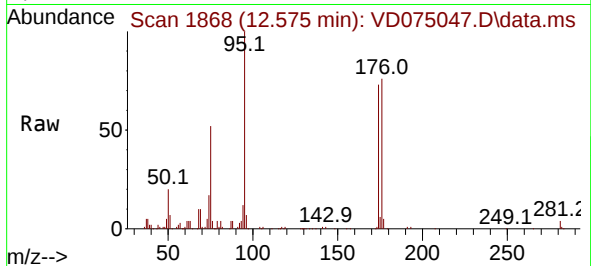




#76
1,2,3-Trichloropropane
Concen: 50.530 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 73591
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.110 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075047.D
Acq: 22 Dec 2022 13:44

Tgt Ion: 75 Resp: 73591
Ion Ratio Lower Upper
75 100
53 0.0 60.0 90.0#
89 0.0 37.4 56.0#

