

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012524\
 Data File : VD078248.D
 Acq On : 25 Jan 2024 15:56
 Operator : RP/MD
 Sample : P1241-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-12424

Quant Time: Jan 26 14:40:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

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

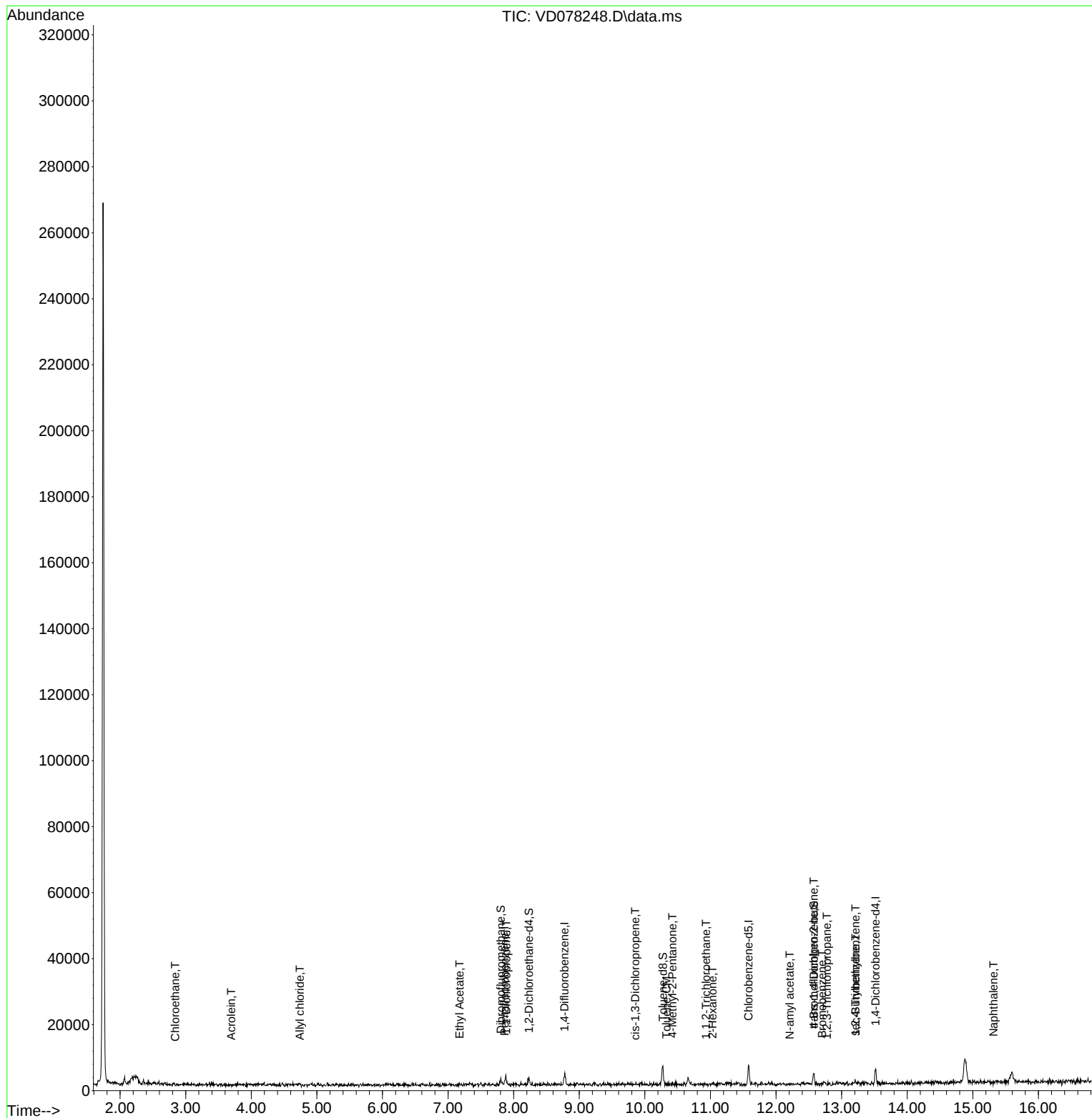
Internal Standards						
1) Pentafluorobenzene	7.863	168	2135	50.000	ug/l	#-0.02
34) 1,4-Difluorobenzene	8.775	114	3201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	3498	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	1419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	1440	59.082	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.160%
35) Dibromofluoromethane	7.805	113	1224	58.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.200%
50) Toluene-d8	10.275	98	4383	52.543	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.080%
62) 4-Bromofluorobenzene	12.575	95	1403	57.996	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.170	85	58	Below Cal	#	43
3) Chloromethane	2.269	50	55	Below Cal	#	41
6) Chloroethane	2.840	64	53	1.499	ug/l #	43
13) Acrolein	3.693	56	64	23.234	ug/l #	15
14) Allyl chloride	4.740	41	72	2.066	ug/l #	30
25) 2-Butanone	7.175	43	69	Below Cal	#	37
36) 1,1-Dichloropropene	7.887	75	59	1.703	ug/l #	39
37) Ethyl Acetate	7.175	43	69	5.350	ug/l #	62
51) 4-Methyl-2-Pentanone	10.422	43	58	4.671	ug/l #	28
52) Toluene	10.328	92	143	2.295	ug/l #	1
54) cis-1,3-Dichloropropene	9.851	75	54	1.451	ug/l #	45
55) 1,1,2-Trichloroethane	10.934	97	65	3.626	ug/l #	16
59) 2-Hexanone	11.034	43	54	5.352	ug/l #	16
74) N-amyl acetate	12.210	43	68	3.186	ug/l #	35
76) 1,2,3-Trichloropropane	12.775	75	54	3.968	ug/l #	100
77) Bromobenzene	12.704	156	126	5.151	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	608	96.227	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	150	1.603	ug/l #	28
85) sec-Butylbenzene	13.210	105	150	1.281	ug/l #	54
95) Naphthalene	15.316	128	159	3.230	ug/l #	69

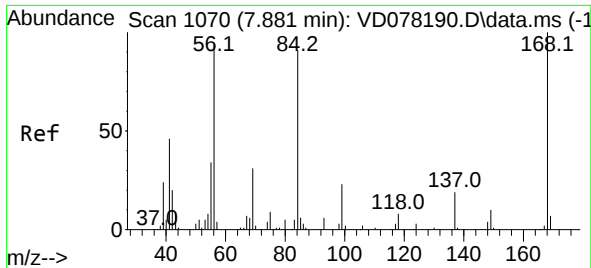
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012524\
Data File : VD078248.D
Acq On : 25 Jan 2024 15:56
Operator : RP/MD
Sample : P1241-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

Quant Time: Jan 26 14:40:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 23 05:43:07 2024
Response via : Initial Calibration

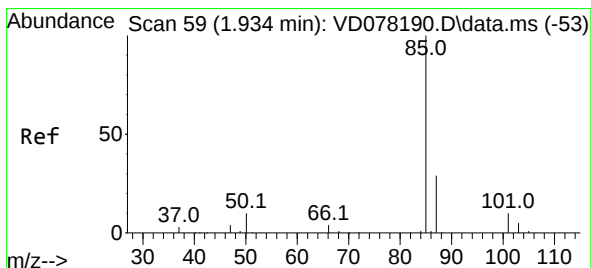
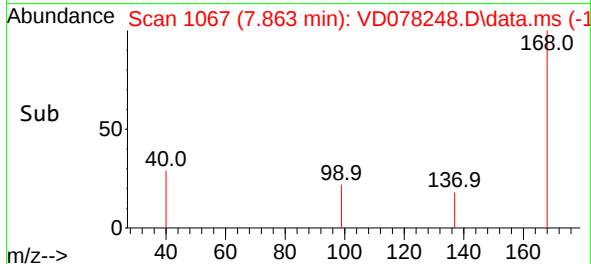
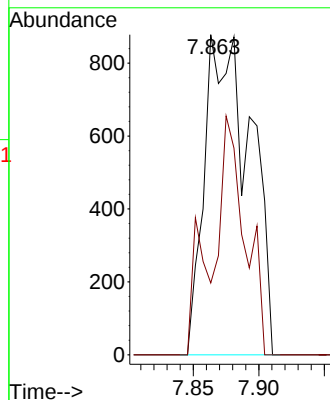
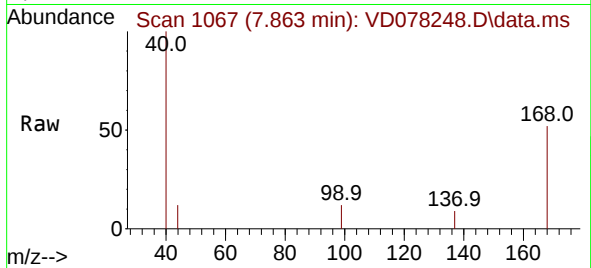




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 10
Delta R.T. -0.018 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

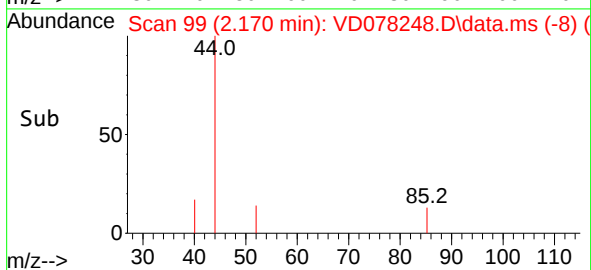
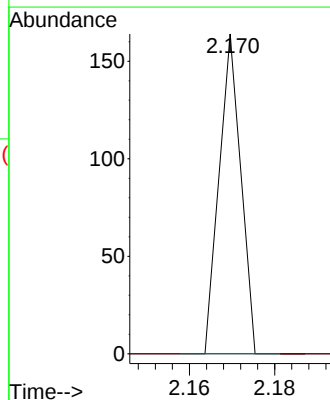
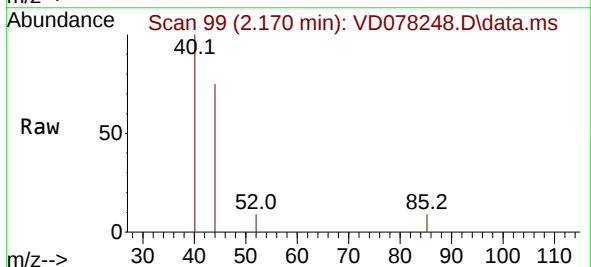
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

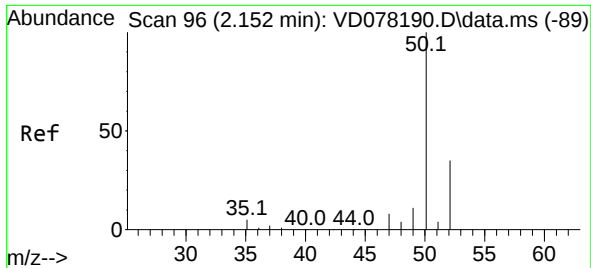
Tgt Ion:168 Resp: 2135
Ion Ratio Lower Upper
168 100
99 22.4 36.7 55.1#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.170 min Scan# 99
Delta R.T. 0.236 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

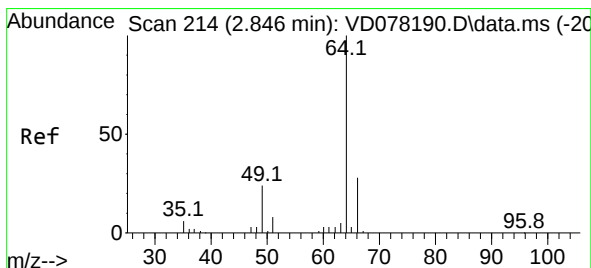
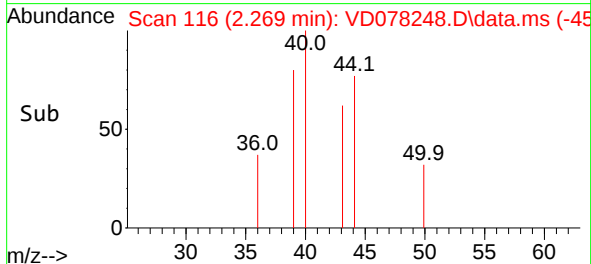
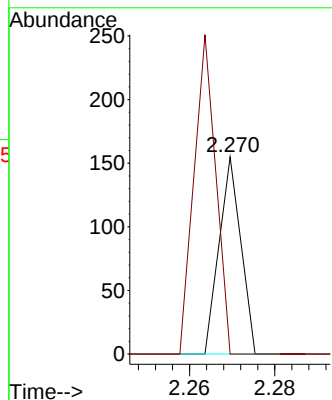
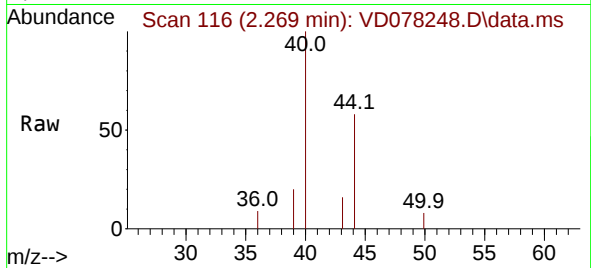




#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 116
Delta R.T. 0.117 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

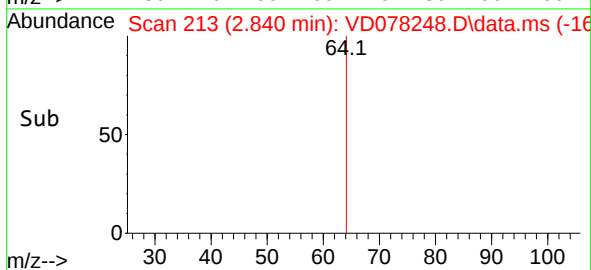
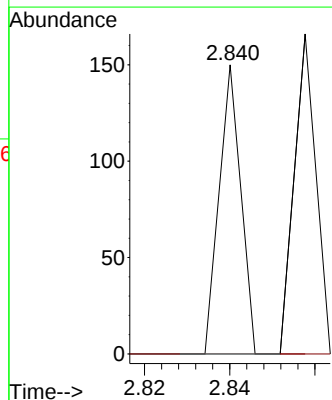
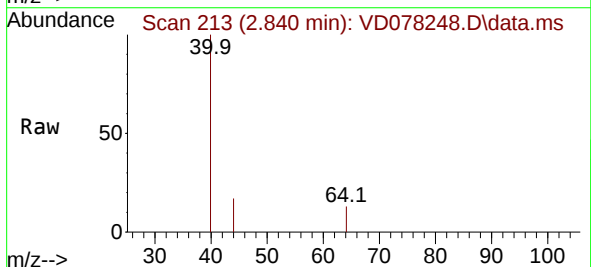
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

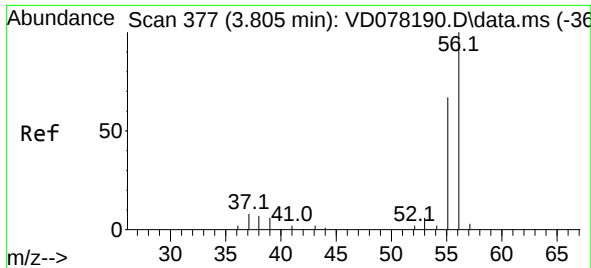
Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



#6
Chloroethane
Concen: 1.499 ug/l
RT: 2.840 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#





#13

Acrolein

Concen: 23.234 ug/l

RT: 3.693 min Scan# 31

Delta R.T. -0.112 min

Lab File: VD078248.D

Acq: 25 Jan 2024 15:56

Instrument :

MSVOA_D

ClientSampleId :

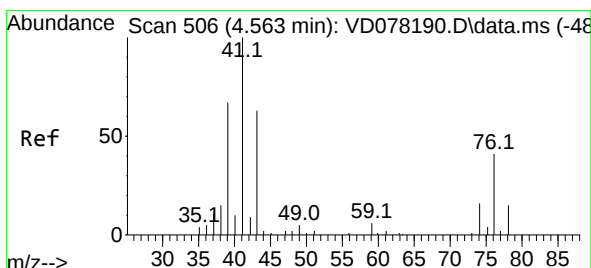
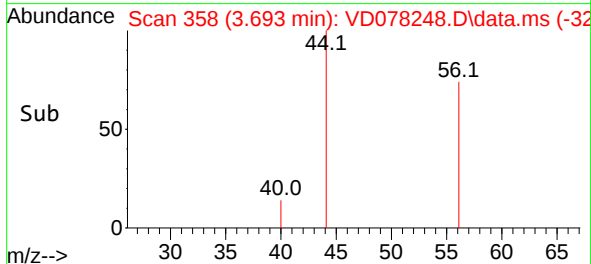
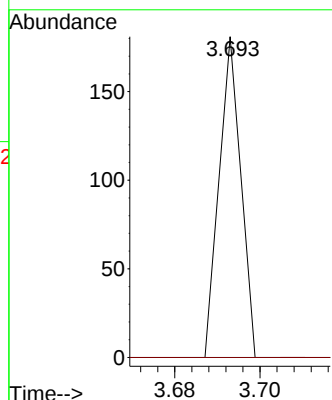
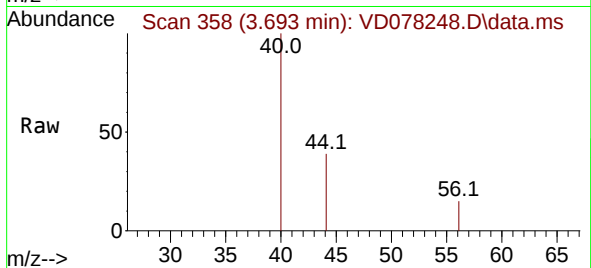
AU-05-12424

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 0.0 55.1 82.7#



#14

Allyl chloride

Concen: 2.066 ug/l

RT: 4.740 min Scan# 536

Delta R.T. 0.176 min

Lab File: VD078248.D

Acq: 25 Jan 2024 15:56

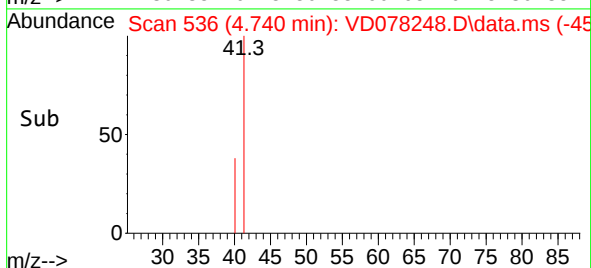
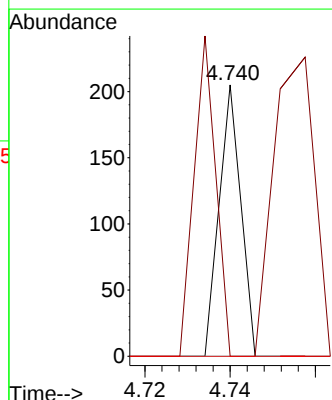
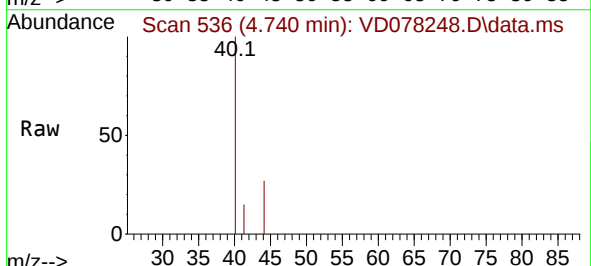
Tgt Ion: 41 Resp: 72

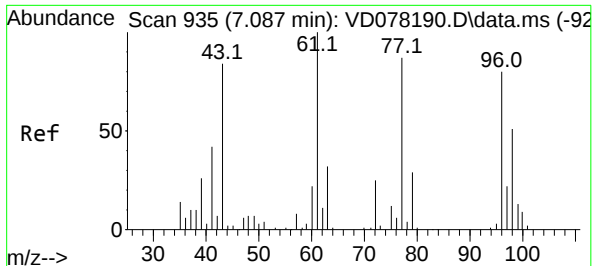
Ion Ratio Lower Upper

41 100

39 118.1 53.8 80.6#

76 0.0 45.8 68.8#





#25

2-Butanone

Concen: Below Cal

RT: 7.175 min Scan# 91

Delta R.T. 0.088 min

Lab File: VD078248.D

Acq: 25 Jan 2024 15:56

Instrument :

MSVOA_D

ClientSampleId :

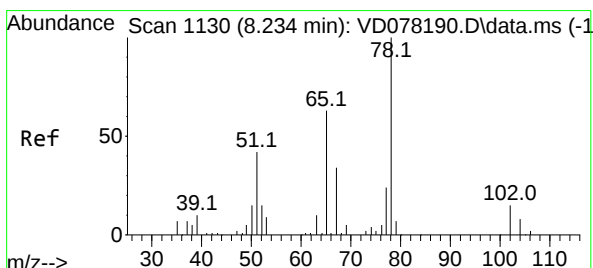
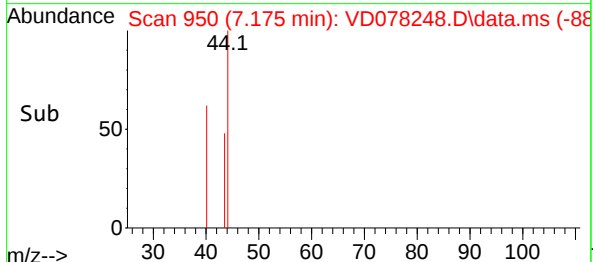
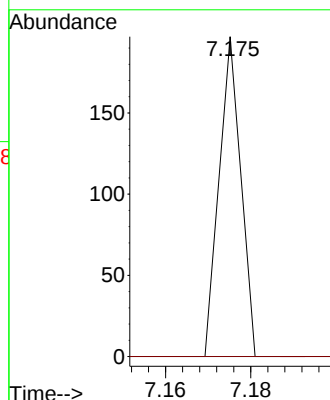
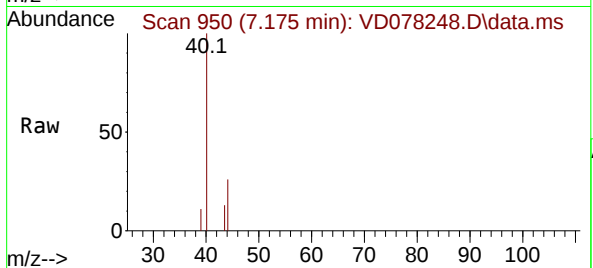
AU-05-12424

Tgt Ion: 43 Resp: 69

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#33

1,2-Dichloroethane-d4

Concen: 59.082 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078248.D

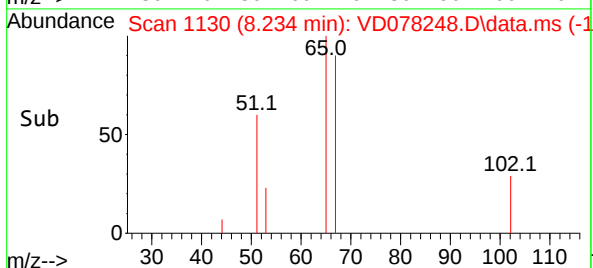
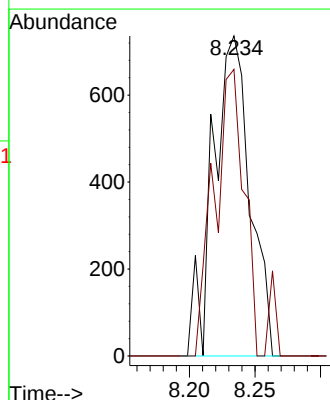
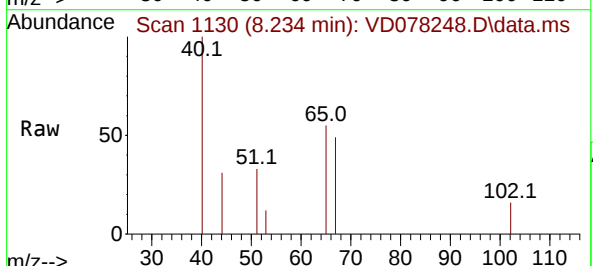
Acq: 25 Jan 2024 15:56

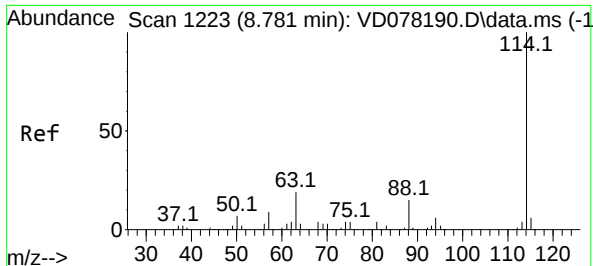
Tgt Ion: 65 Resp: 1440

Ion Ratio Lower Upper

65 100

67 72.8 0.0 115.0

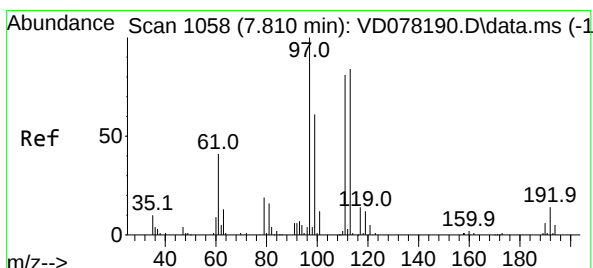
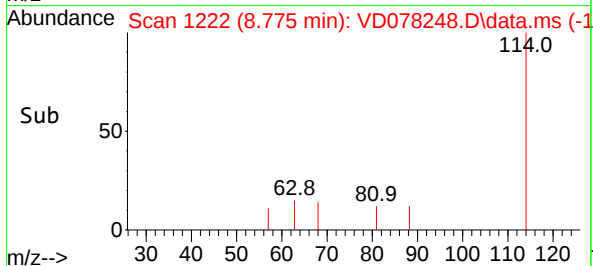
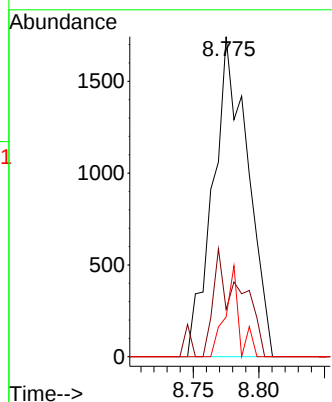
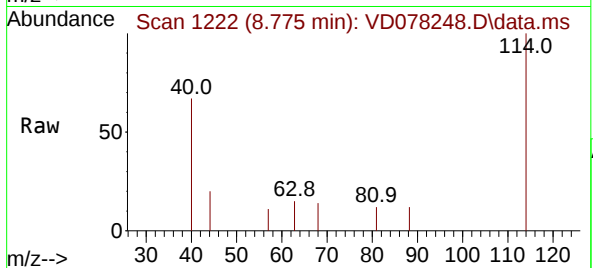




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

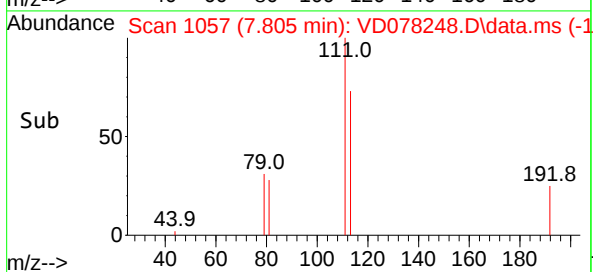
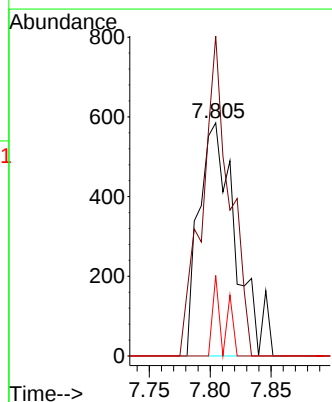
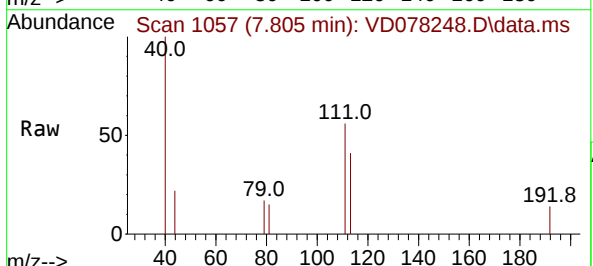
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

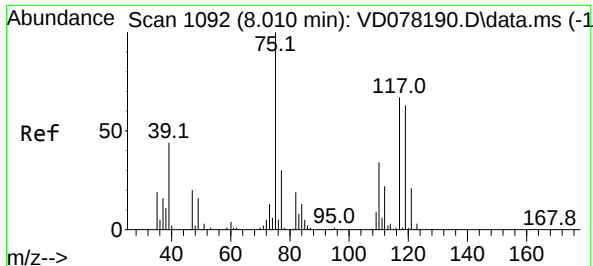
Tgt Ion:114	Resp:	3201
Ion Ratio	Lower	Upper
114	100	
63	14.7	0.0 33.4
88	12.4	0.0 26.2



#35
Dibromofluoromethane
Concen: 58.101 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion:113	Resp:	1224
Ion Ratio	Lower	Upper
113	100	
111	102.6	84.7 127.1
192	10.2	16.8 25.2#

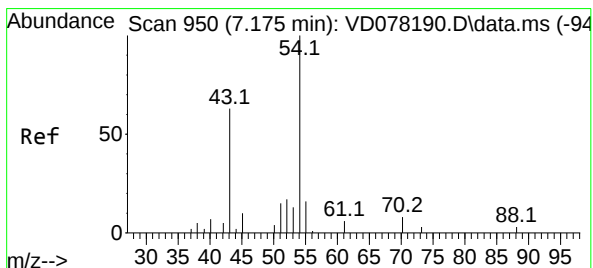
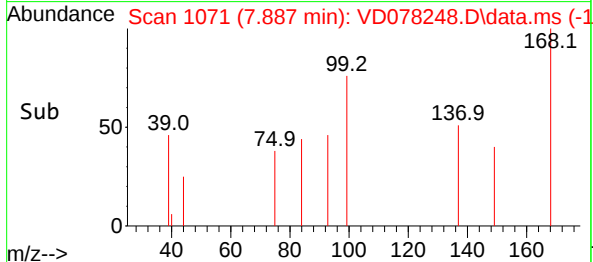
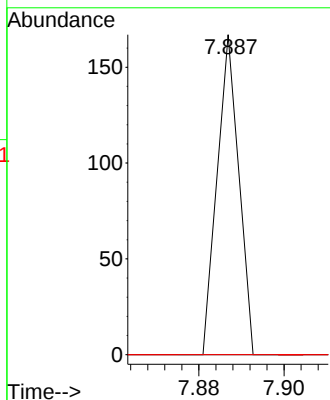
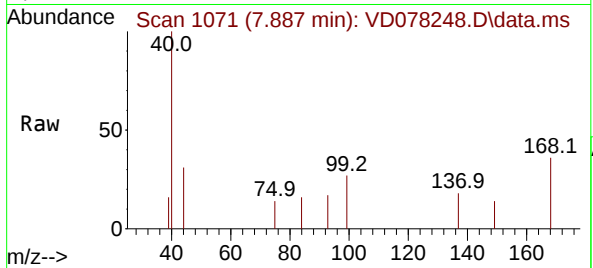




#36
1,1-Dichloropropene
Concen: 1.703 ug/l
RT: 7.887 min Scan# 1092
Delta R.T. -0.124 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

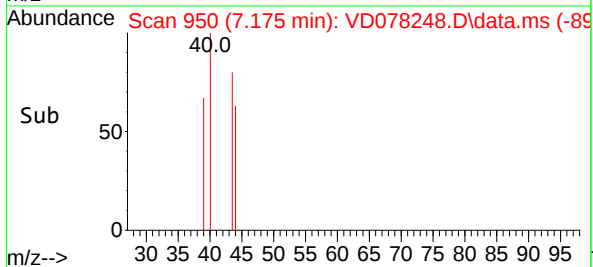
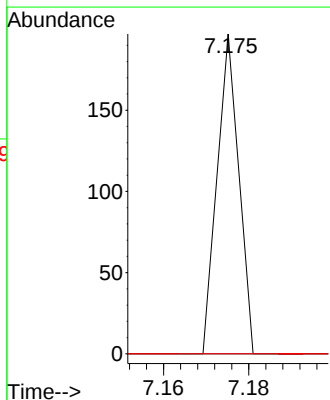
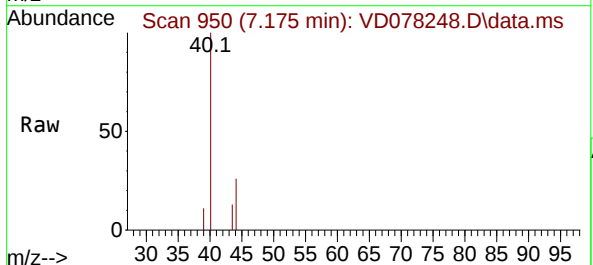
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

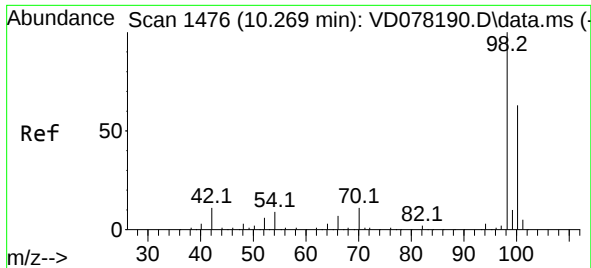
Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 5.350 ug/l
RT: 7.175 min Scan# 950
Delta R.T. 0.000 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#

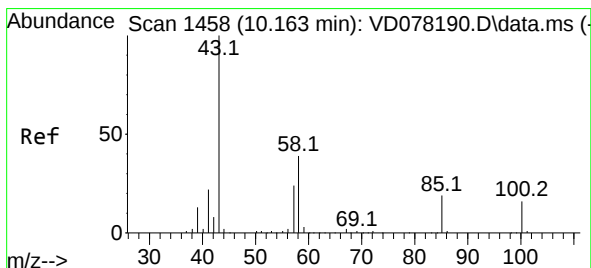
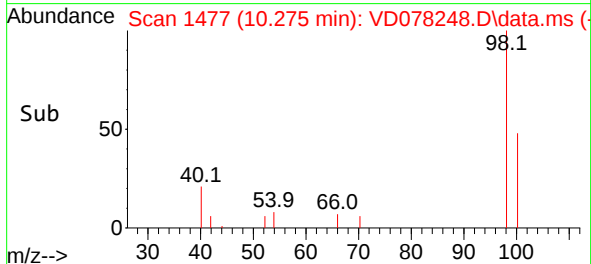
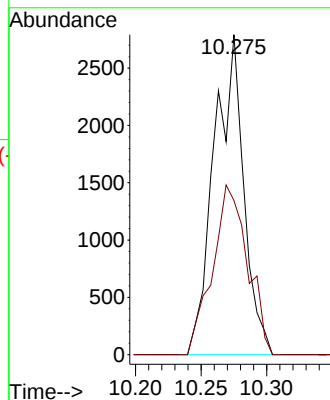
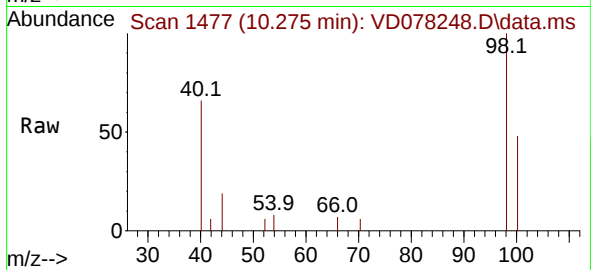




#50
Toluene-d8
Concen: 52.543 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

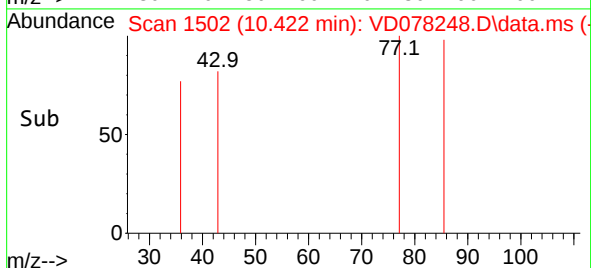
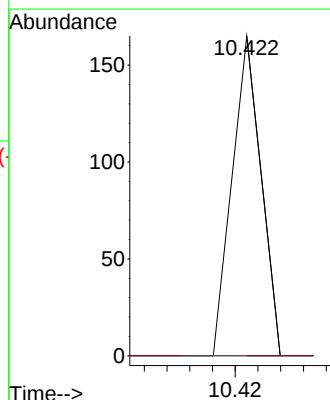
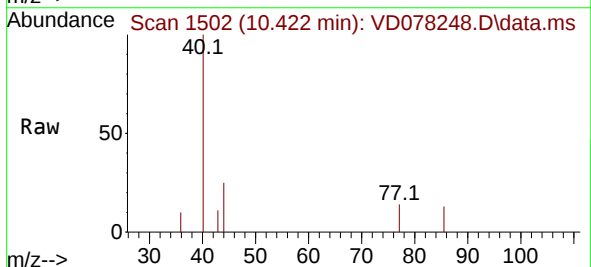
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

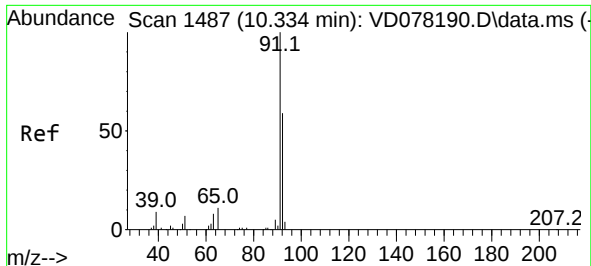
Tgt Ion: 98 Resp: 4383
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 4.671 ug/l
RT: 10.422 min Scan# 1502
Delta R.T. 0.259 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#

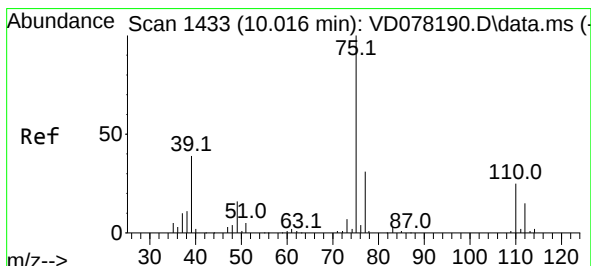
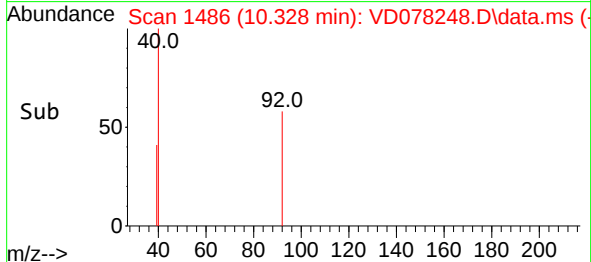
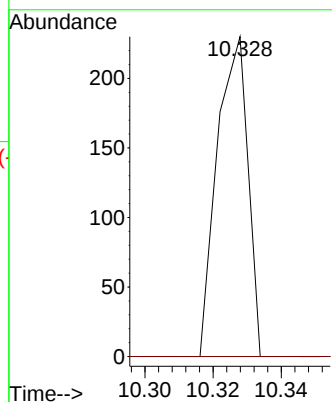
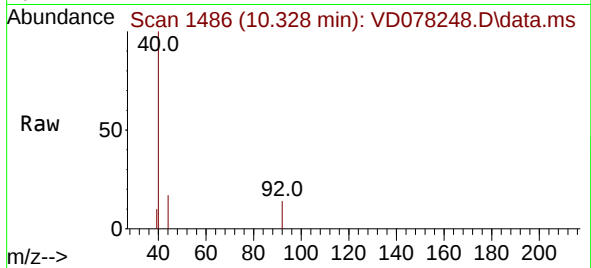




#52
Toluene
Concen: 2.295 ug/l
RT: 10.328 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

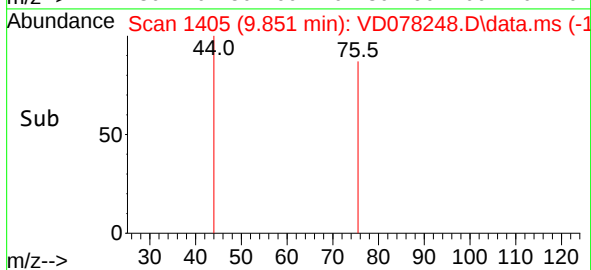
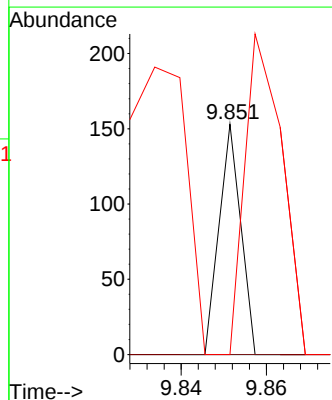
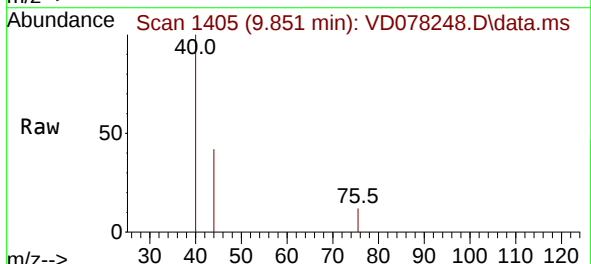
Instrument : MSVOA_D
ClientSampleId : AU-05-12424

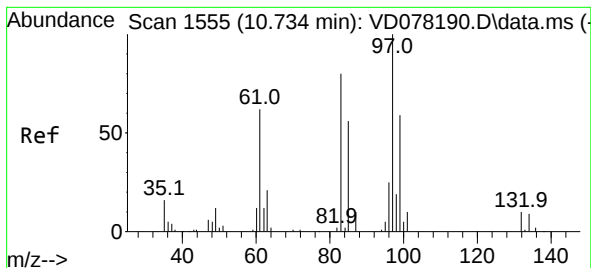
Tgt Ion: 92 Resp: 143
Ion Ratio Lower Upper
92 100
91 0.0 143.0 214.4#



#54
cis-1,3-Dichloropropene
Concen: 1.451 ug/l
RT: 9.851 min Scan# 1405
Delta R.T. -0.165 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 0.0 22.1 33.1#

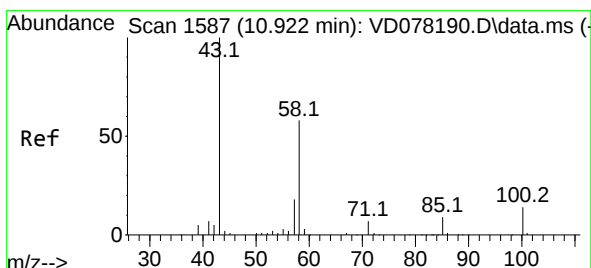
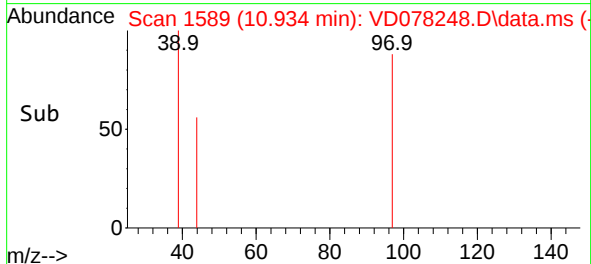
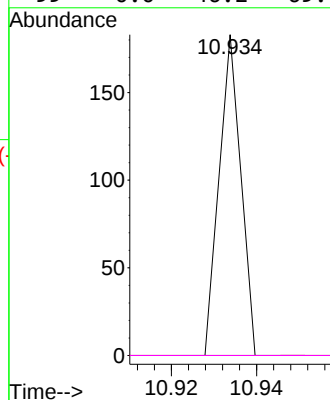
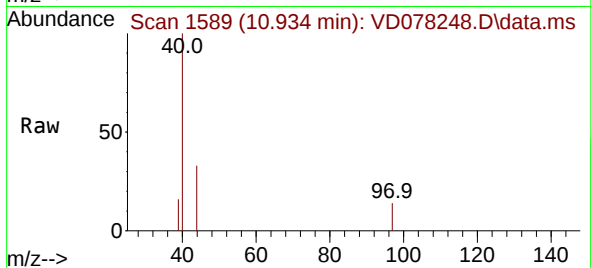




#55
1,1,2-Trichloroethane
Concen: 3.626 ug/l
RT: 10.934 min Scan# 1605
Delta R.T. 0.200 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

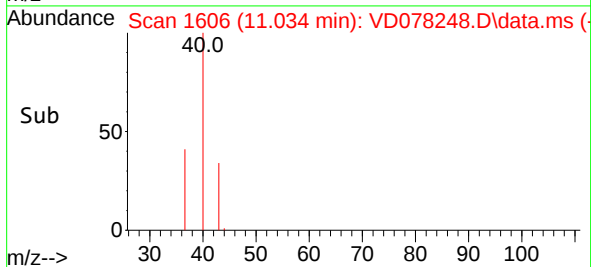
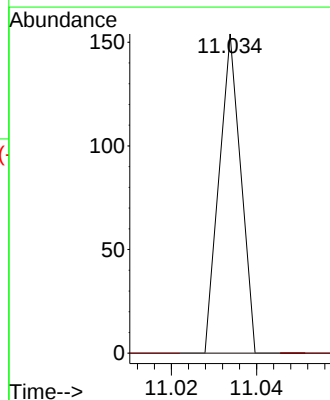
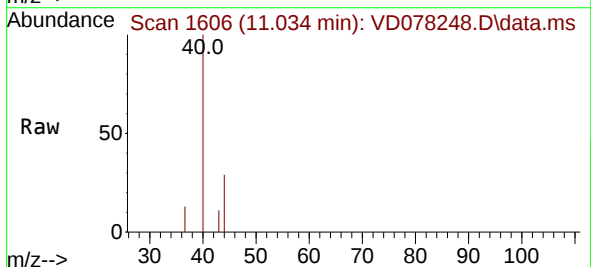
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

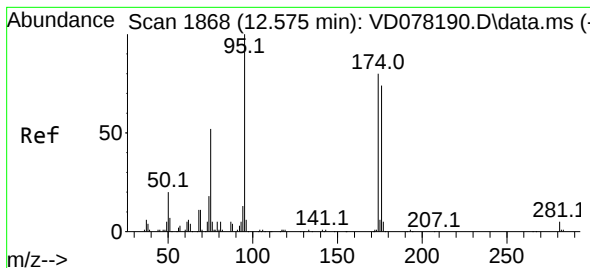
Tgt Ion: 97	Resp: 65
Ion Ratio	Lower Upper
97 100	
83 0.0	65.8 98.6#
85 0.0	45.7 68.5#
99 0.0	46.2 69.4#



#59
2-Hexanone
Concen: 5.352 ug/l
RT: 11.034 min Scan# 1606
Delta R.T. 0.112 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 43	Resp: 54
Ion Ratio	Lower Upper
43 100	
58 0.0	34.1 102.2#

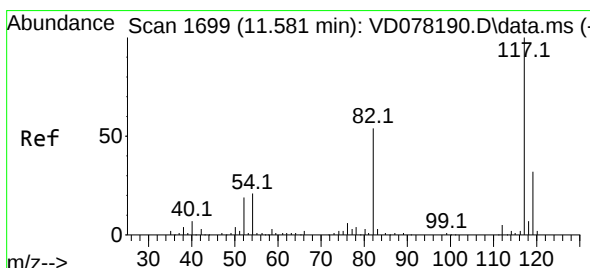
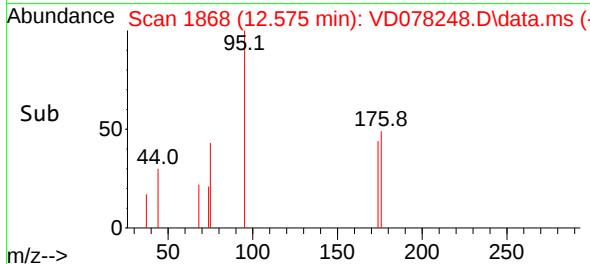
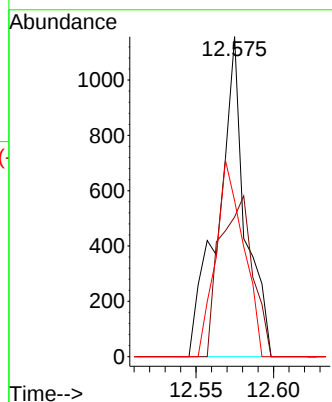
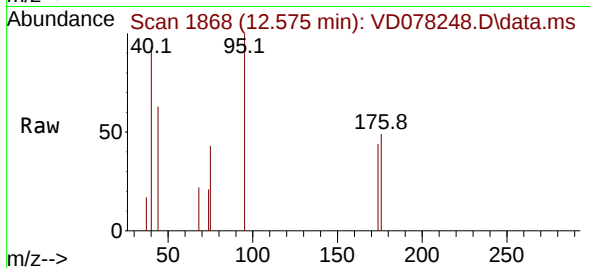




#62
4-Bromofluorobenzene
Concen: 57.996 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

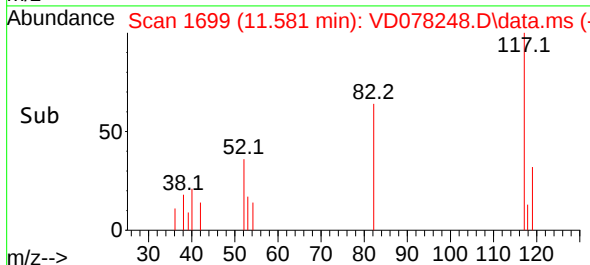
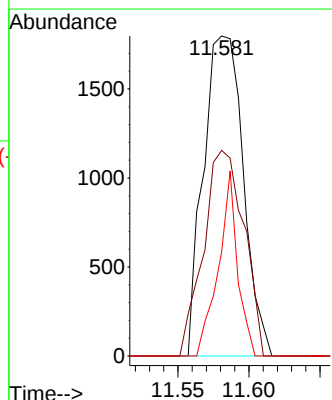
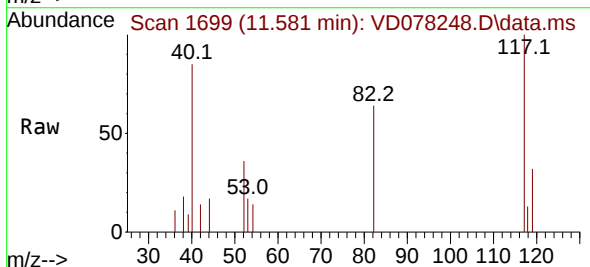
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

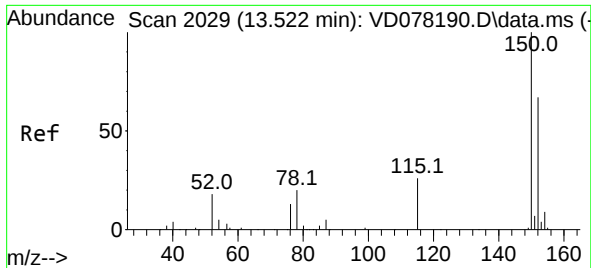
Tgt Ion:	95	Resp:	1403
Ion	Ratio	Lower	Upper
95	100		
174	61.2	0.0	201.8
176	62.7	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion:	117	Resp:	3498
Ion	Ratio	Lower	Upper
117	100		
82	64.2	38.3	57.5#
119	32.5	25.0	37.4

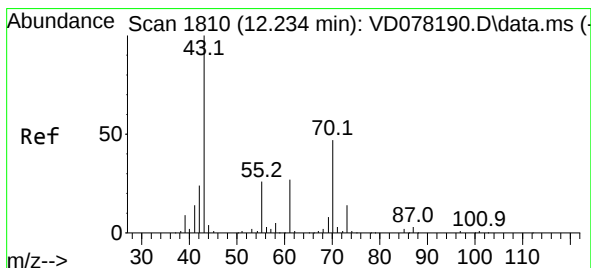
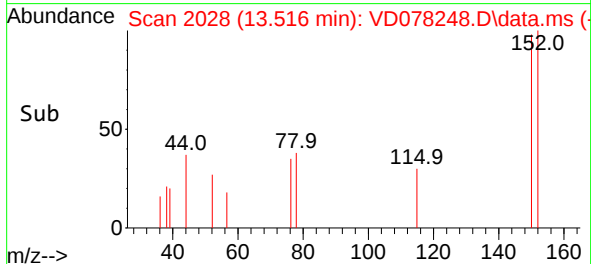
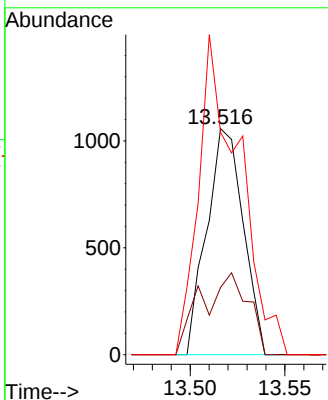
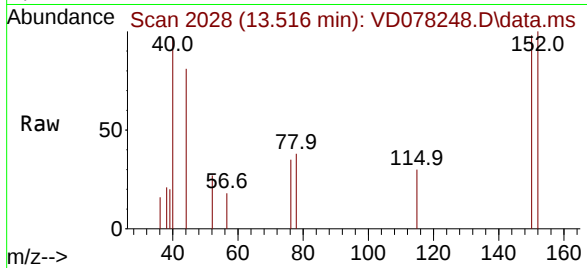




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

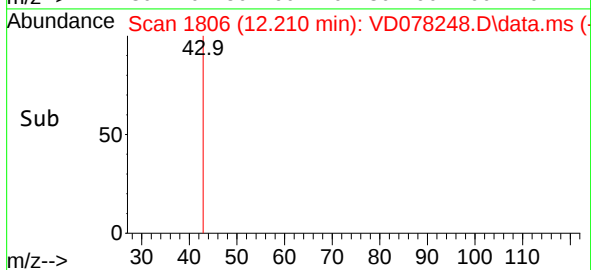
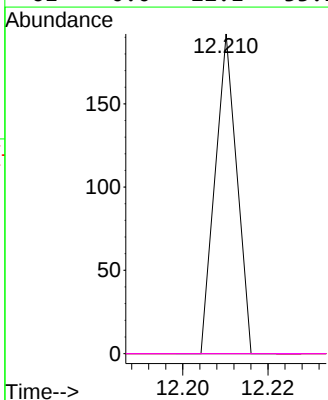
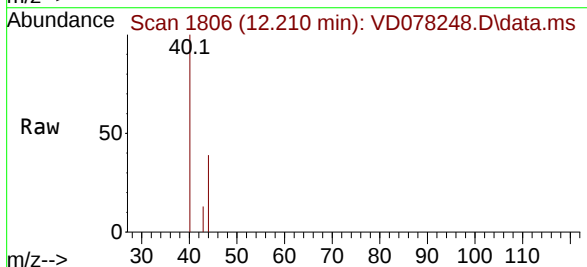
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

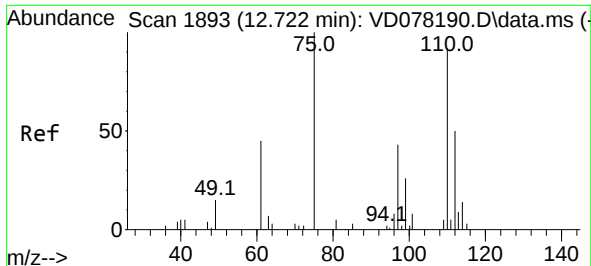
Tgt Ion:152 Resp: 1419
Ion Ratio Lower Upper
152 100
115 46.4 27.1 81.3
150 157.0 0.0 353.6



#74
N-ethyl acetate
Concen: 3.186 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.024 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
70 0.0 45.0 67.4#
55 0.0 23.8 35.6#
61 0.0 22.1 33.1#

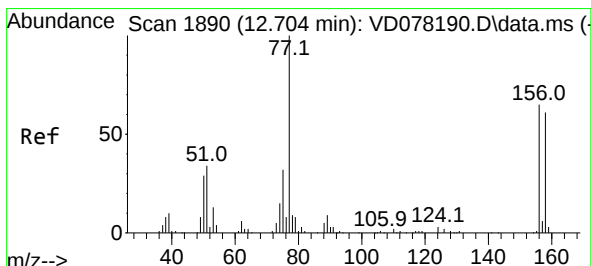
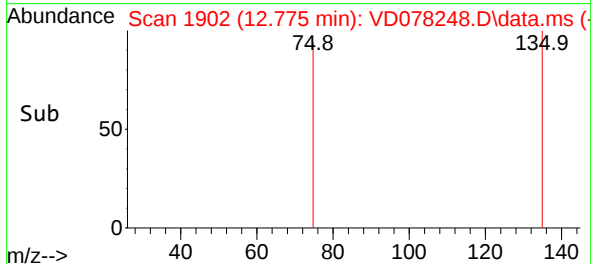
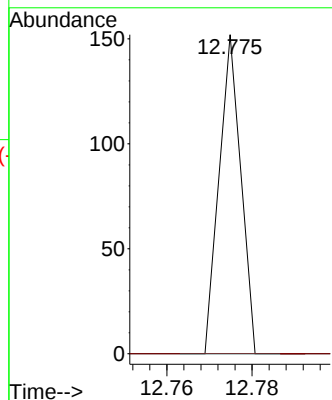
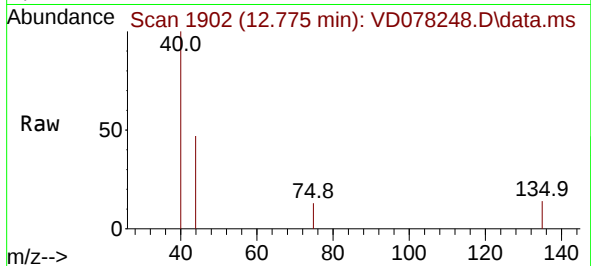




#76
1,2,3-Trichloropropane
Concen: 3.968 ug/l
RT: 12.775 min Scan# 1902
Delta R.T. 0.053 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

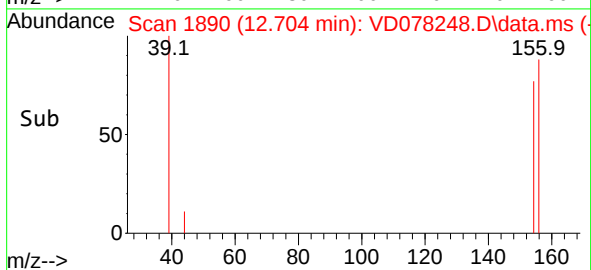
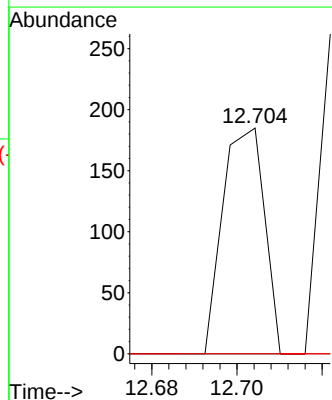
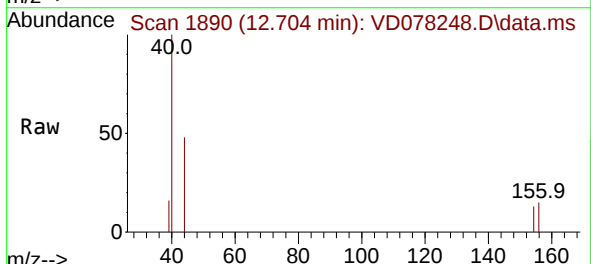
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

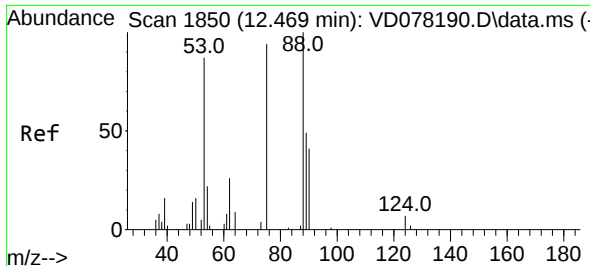
Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 5.151 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 156 Resp: 126
Ion Ratio Lower Upper
156 100
77 0.0 76.8 230.4#
158 0.0 48.6 145.9#

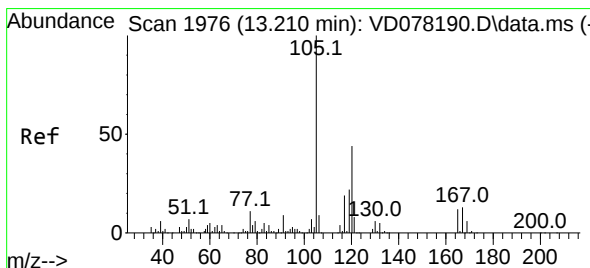
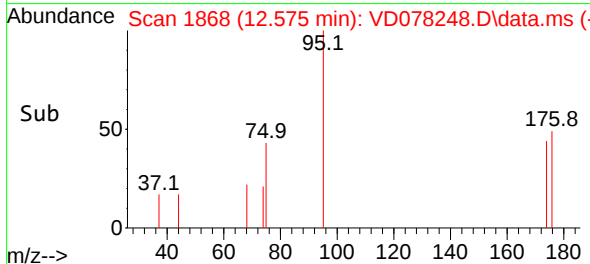
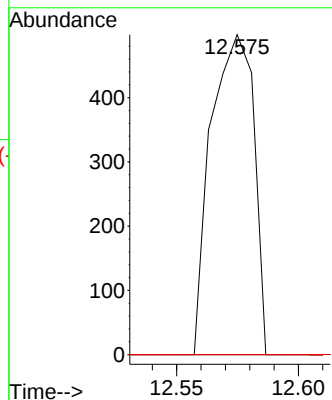
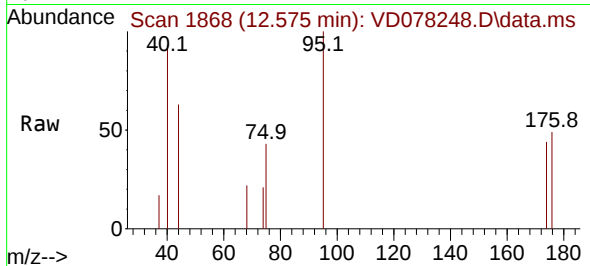




#81
trans-1,4-Dichloro-2-butene
Concen: 96.227 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

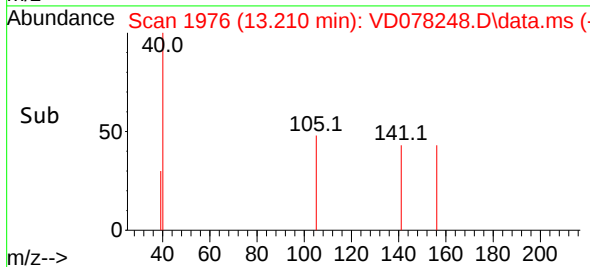
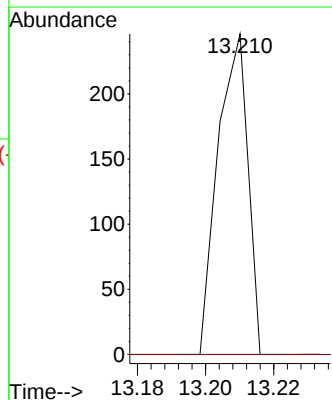
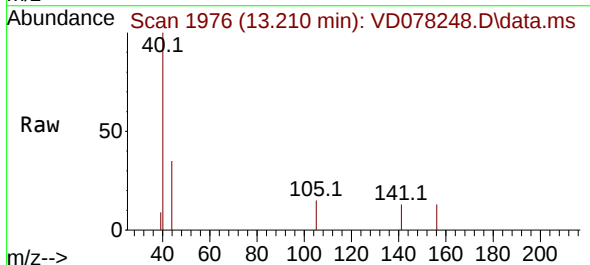
Instrument :
MSVOA_D
ClientSampleId :
AU-05-12424

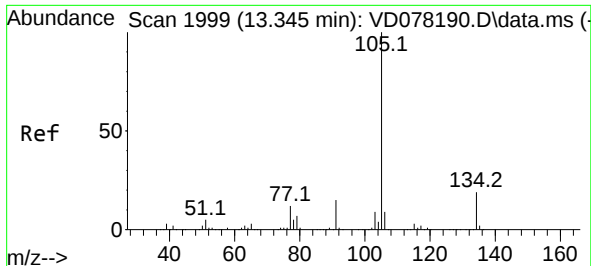
Tgt Ion: 75 Resp: 608
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.603 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078248.D
Acq: 25 Jan 2024 15:56

Tgt Ion: 105 Resp: 150
Ion Ratio Lower Upper
105 100
120 0.0 24.3 72.9#

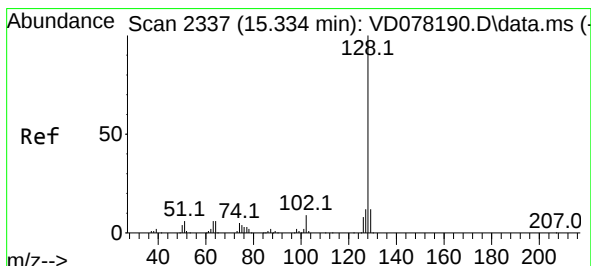
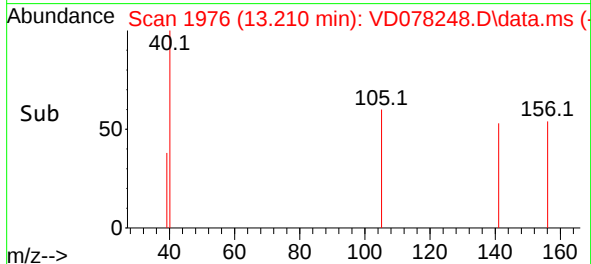
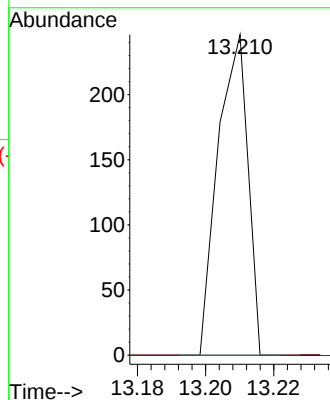
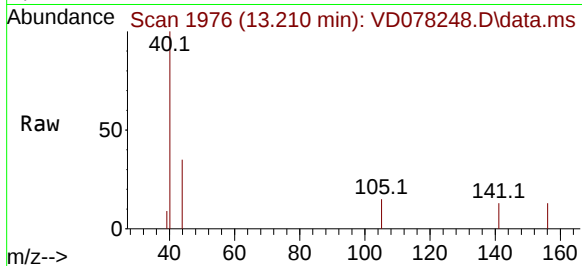




#85
 sec-Butylbenzene
 Concen: 1.281 ug/l
 RT: 13.210 min Scan# 1999
 Delta R.T. -0.135 min
 Lab File: VD078248.D
 Acq: 25 Jan 2024 15:56

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-05-12424

Tgt Ion:105 Resp: 150
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.9#



#95
 Naphthalene
 Concen: 3.230 ug/l
 RT: 15.316 min Scan# 2334
 Delta R.T. -0.018 min
 Lab File: VD078248.D
 Acq: 25 Jan 2024 15:56

Tgt Ion:128 Resp: 159
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.7 13.1#

