

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079484.D
 Acq On : 31 Jul 2024 05:35
 Operator : RP/MD
 Sample : P3374-07
 Misc : 7.29G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-862-K2-SO-12-12.5-072024

Quant Time: Jul 31 08:21:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

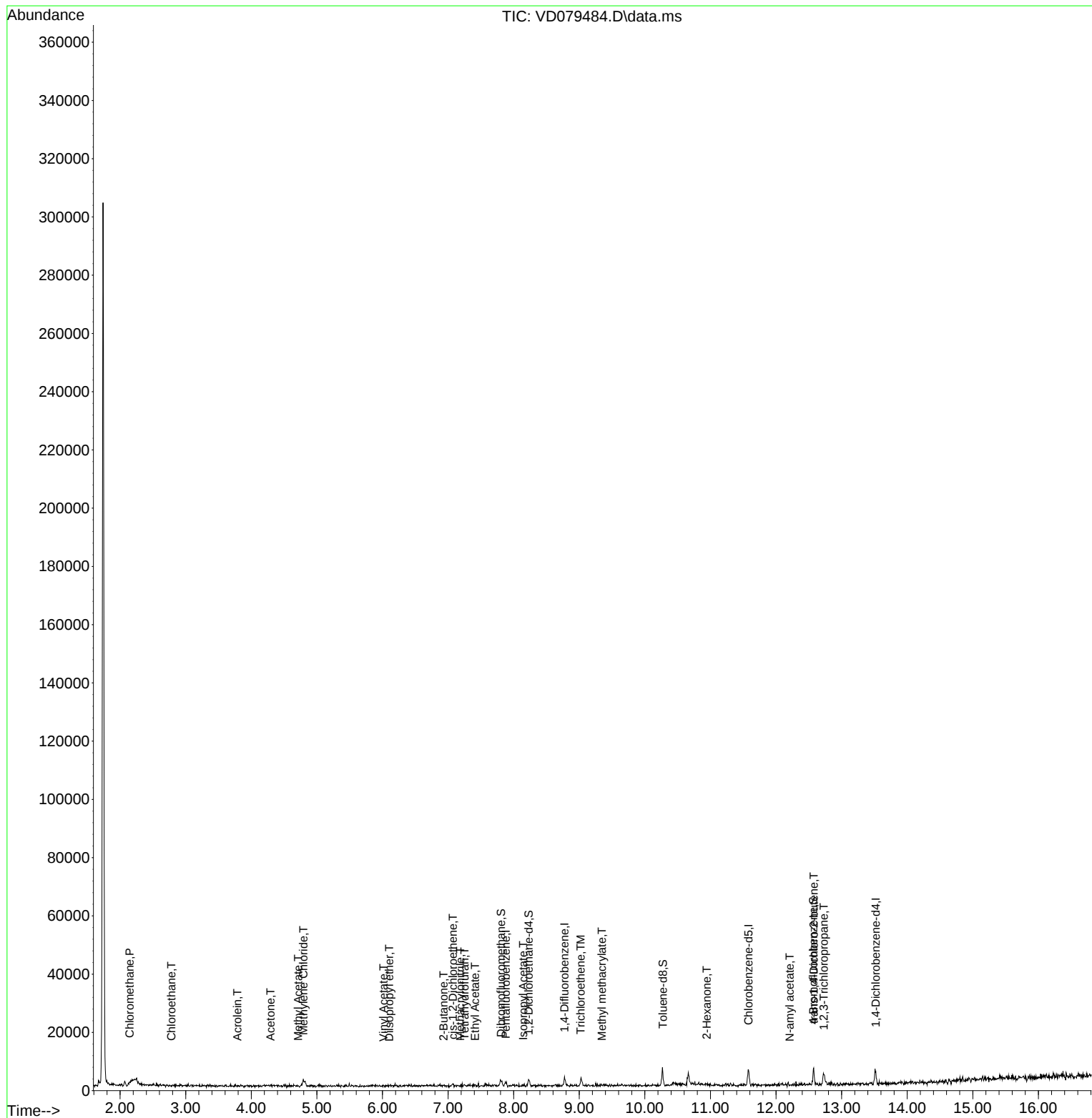
Internal Standards						
1) Pentafluorobenzene	7.881	168	1357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	3769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	3859	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	1606	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	1797	130.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 260.700%#	
35) Dibromofluoromethane	7.810	113	1718	67.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.700%	
50) Toluene-d8	10.275	98	4447	44.889	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.780%	
62) 4-Bromofluorobenzene	12.569	95	1617	56.405	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.800%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	62	3.165	ug/l #	1
6) Chloroethane	2.781	64	96	6.414	ug/l #	44
13) Acrolein	3.787	56	54	33.343	ug/l #	15
16) Acetone	4.293	43	54	20.156	ug/l #	37
18) Methyl Acetate	4.716	43	56	6.732	ug/l #	40
20) Methylene Chloride	4.793	84	961	48.207	ug/l #	78
22) Diisopropyl ether	6.105	45	56	1.300	ug/l #	35
23) Vinyl Acetate	6.016	43	55	1.698	ug/l #	63
25) 2-Butanone	6.934	43	57	15.007	ug/l #	42
27) cis-1,2-Dichloroethene	7.075	96	288	15.297	ug/l #	47
29) Tetrahydrofuran	7.252	42	65	27.614	ug/l #	21
37) Ethyl Acetate	7.410	43	82	5.744	ug/l #	64
41) Methacrylonitrile	7.187	41	56	7.131	ug/l #	12
43) Isopropyl Acetate	8.146	43	58	2.162	ug/l #	45
44) Trichloroethene	9.022	130	1204	43.734	ug/l	85
48) Methyl methacrylate	9.346	41	57	4.747	ug/l #	2
59) 2-Hexanone	10.945	43	53	5.548	ug/l #	19
74) N-amyl acetate	12.210	43	59	2.498	ug/l #	35
76) 1,2,3-Trichloropropane	12.728	75	60	4.274	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	816	110.865	ug/l #	19

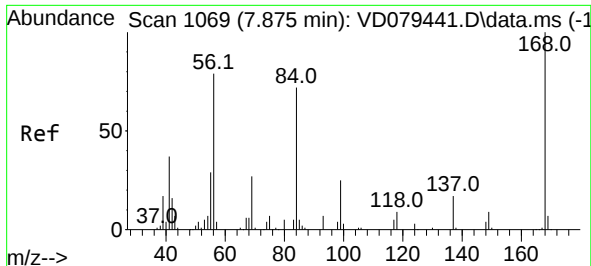
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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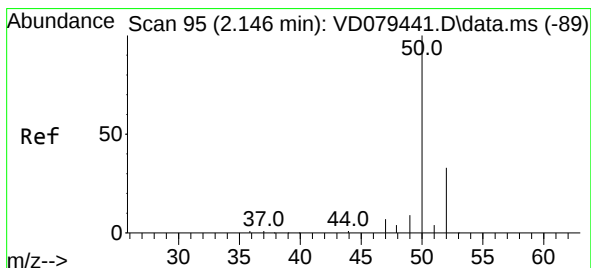
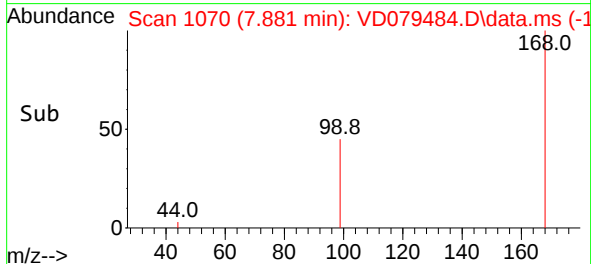
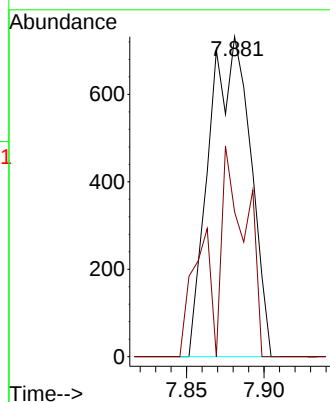
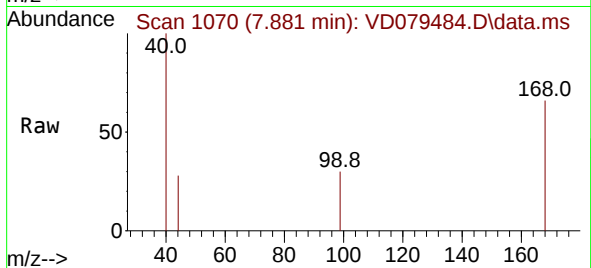




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

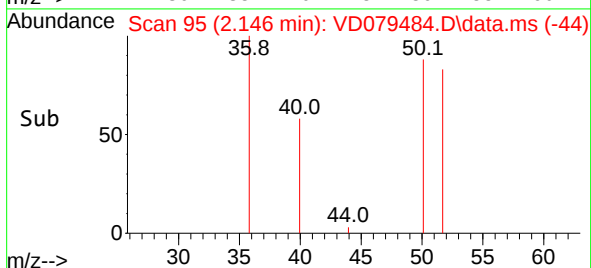
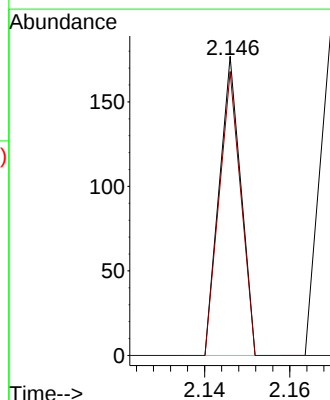
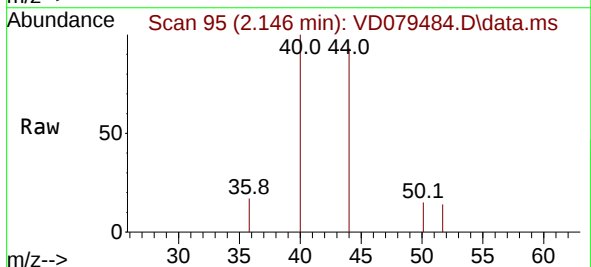
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

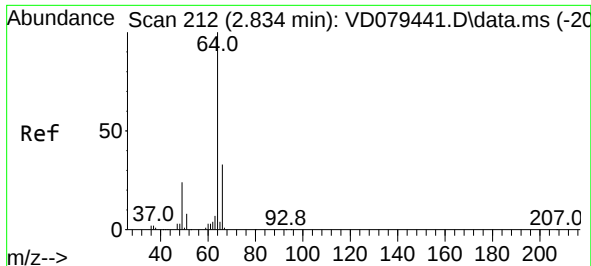
Tgt Ion:168 Resp: 1357
Ion Ratio Lower Upper
168 100
99 45.2 41.1 61.7



#3
Chloromethane
Concen: 3.165 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion: 50 Resp: 62
Ion Ratio Lower Upper
50 100
52 94.9 28.2 42.2#

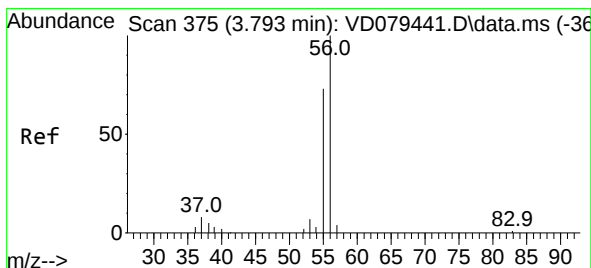
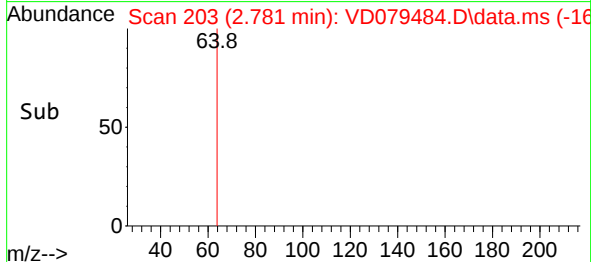
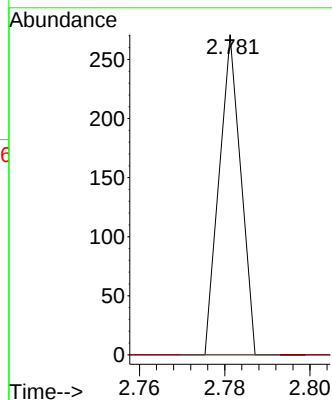
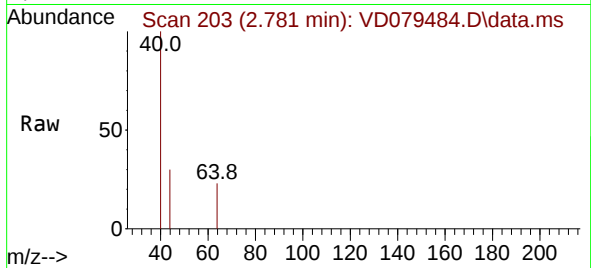




#6
Chloroethane
Concen: 6.414 ug/l
RT: 2.781 min Scan# 203
Delta R.T. -0.047 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

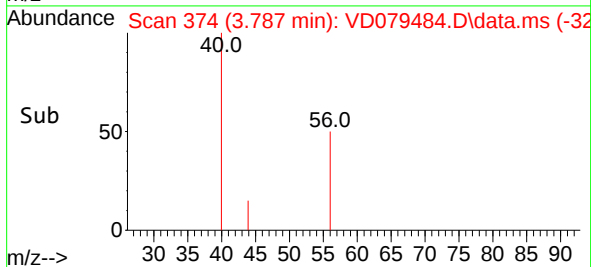
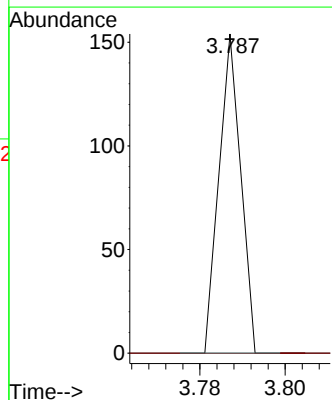
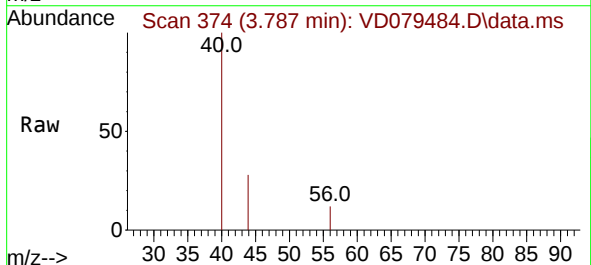
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

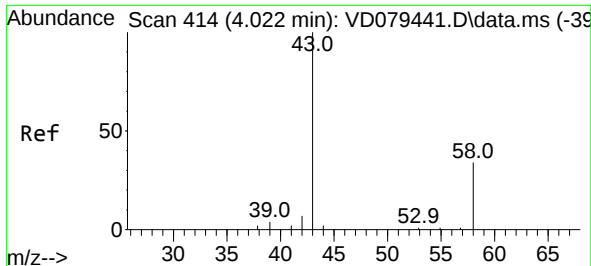
Tgt Ion: 64 Resp: 96
Ion Ratio Lower Upper
64 100
66 0.0 24.5 36.7#



#13
Acrolein
Concen: 33.343 ug/l
RT: 3.787 min Scan# 374
Delta R.T. -0.006 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

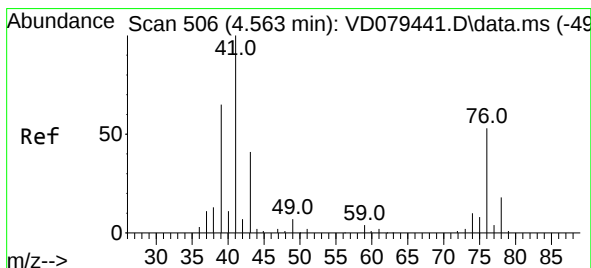
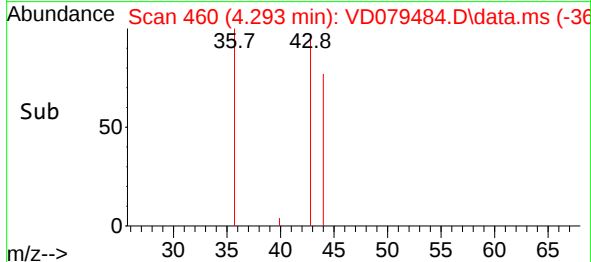
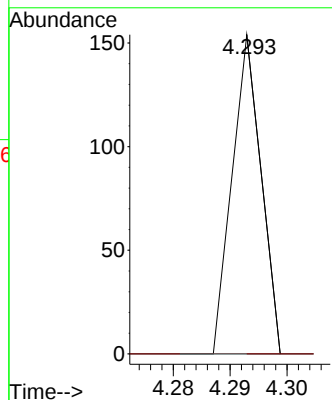
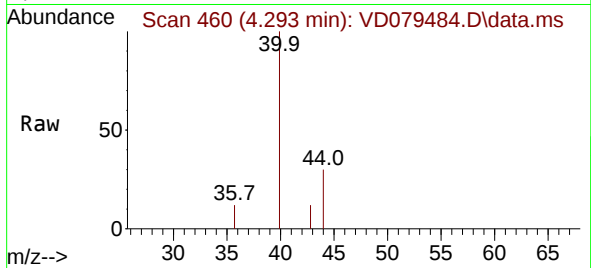




#16
Acetone
Concen: 20.156 ug/l
RT: 4.293 min Scan# 414
Delta R.T. 0.271 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

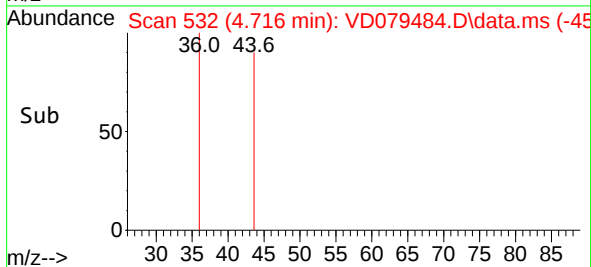
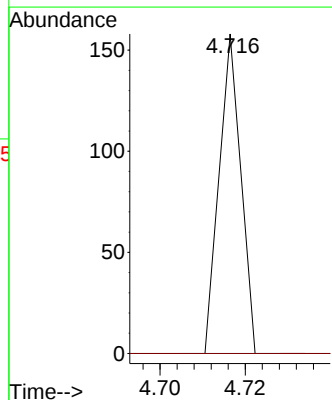
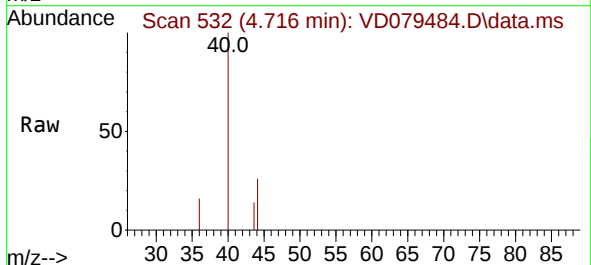
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

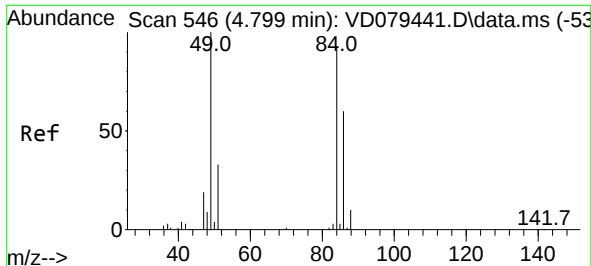
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#18
Methyl Acetate
Concen: 6.732 ug/l
RT: 4.716 min Scan# 532
Delta R.T. 0.147 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 28.1 42.1#

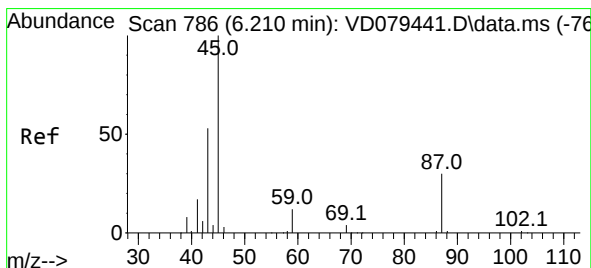
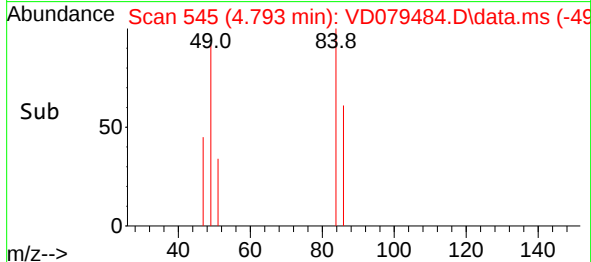
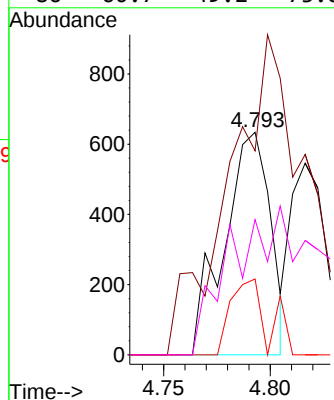
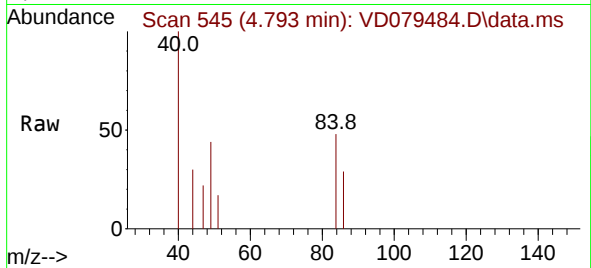




#20
Methylene Chloride
Concen: 48.207 ug/l
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

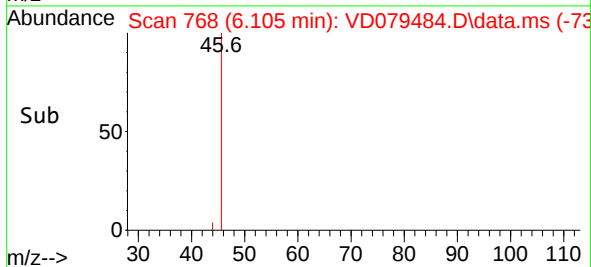
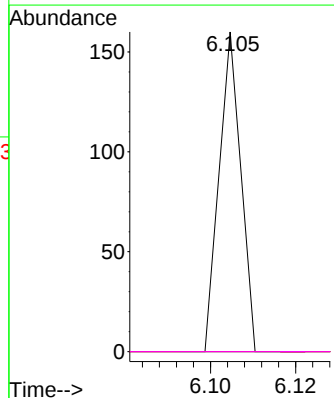
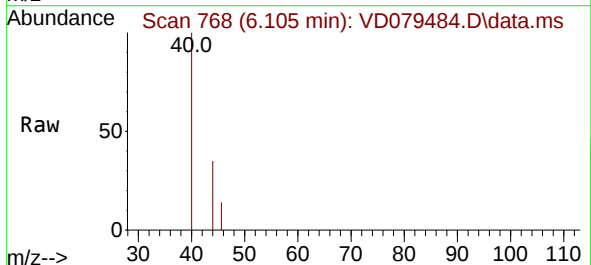
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

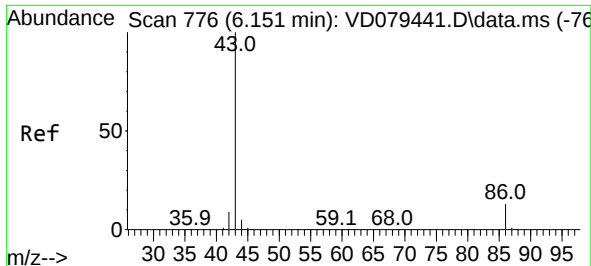
Tgt Ion:	84	Resp:	961
Ion	Ratio	Lower	Upper
84	100		
49	55.2	75.6	113.4#
51	34.1	24.2	36.2
86	60.7	49.2	73.8



#22
Diisopropyl ether
Concen: 1.300 ug/l
RT: 6.105 min Scan# 768
Delta R.T. -0.106 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion:	45	Resp:	56
Ion	Ratio	Lower	Upper
45	100		
43	0.0	41.7	62.5#
87	0.0	30.2	45.2#
59	0.0	11.0	16.6#

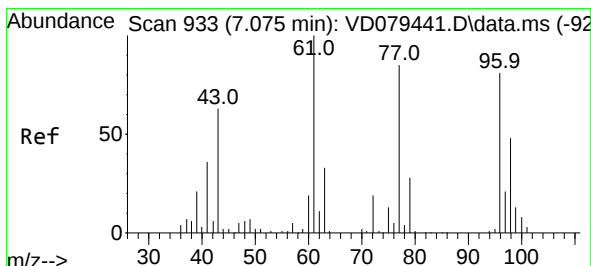
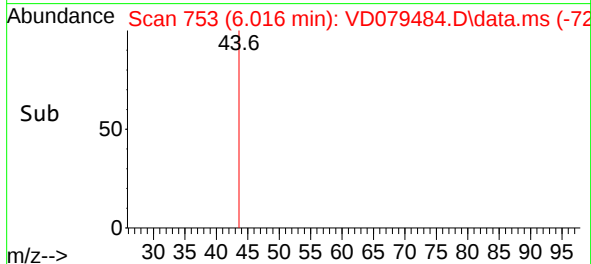
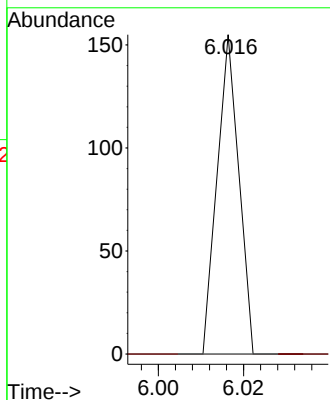
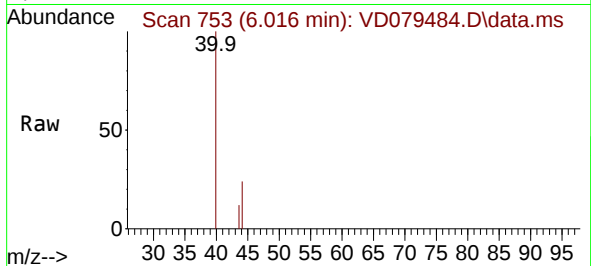




#23
 Vinyl Acetate
 Concen: 1.698 ug/l
 RT: 6.016 min Scan# 71
 Delta R.T. -0.135 min
 Lab File: VD079484.D
 Acq: 31 Jul 2024 05:35

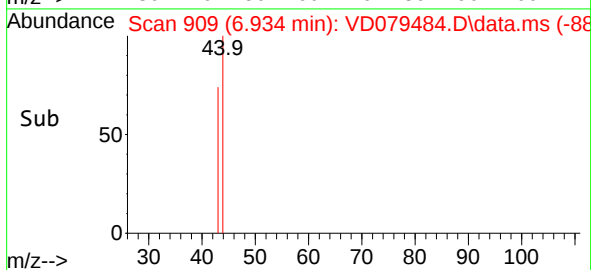
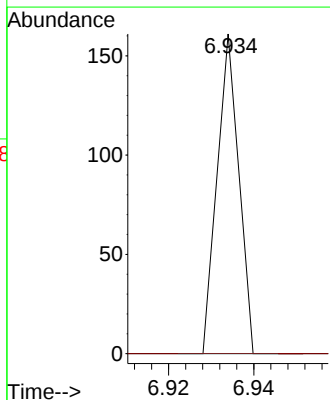
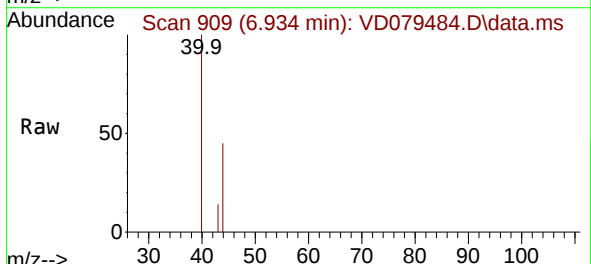
Instrument :
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 ClientSampleId :
 S-862-K2-SO-12-12.5-072024

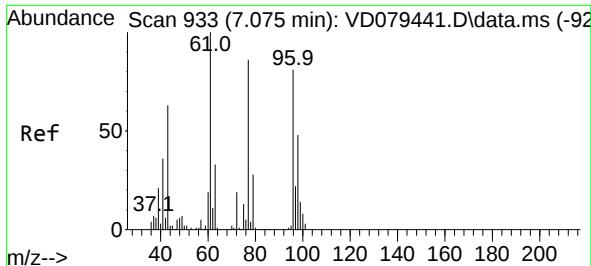
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.3 18.5#



#25
 2-Butanone
 Concen: 15.007 ug/l
 RT: 6.934 min Scan# 909
 Delta R.T. -0.159 min
 Lab File: VD079484.D
 Acq: 31 Jul 2024 05:35

Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.4 39.6#





#27

cis-1,2-Dichloroethene

Concen: 15.297 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD079484.D

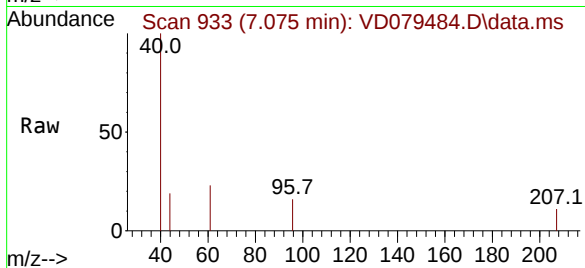
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Instrument :

MSVOA_D

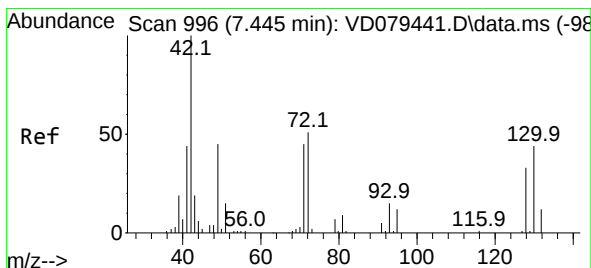
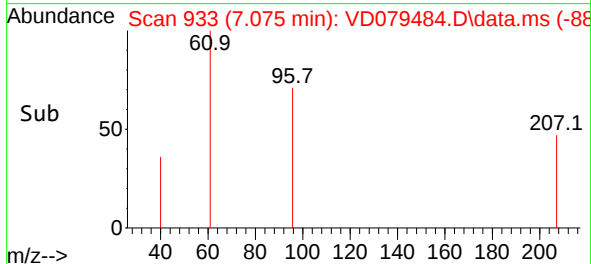
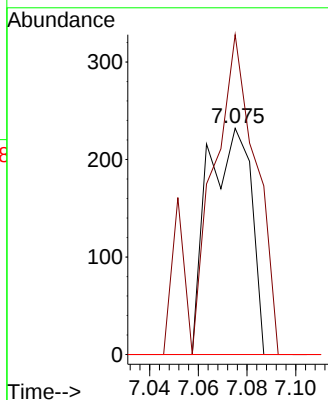
ClientSampleId :

S-862-K2-SO-12-12.5-072024



Tgt Ion: 96 Resp: 288

Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	229.0
98	0.0	0.0	127.2



#29

Tetrahydrofuran

Concen: 27.614 ug/l

RT: 7.252 min Scan# 963

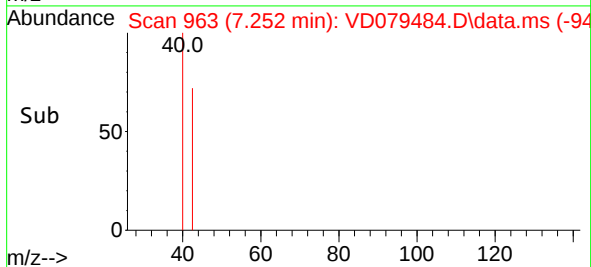
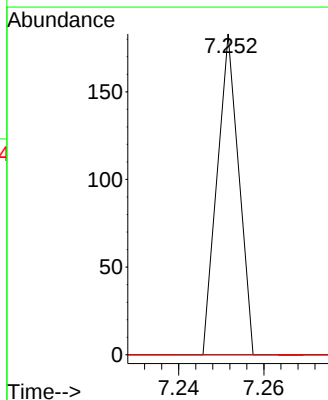
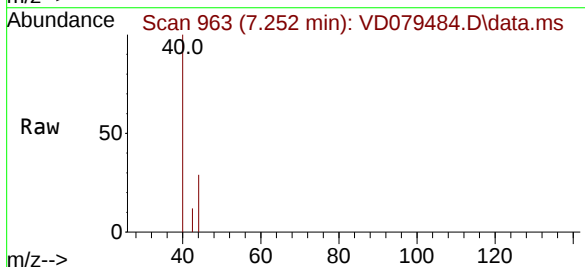
Delta R.T. -0.194 min

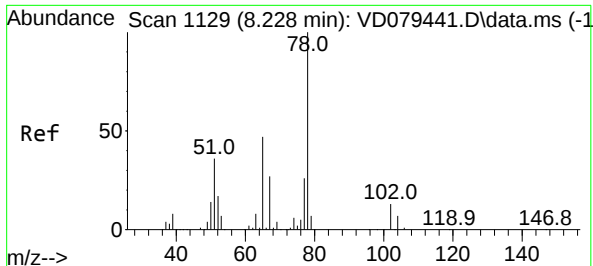
Lab File: VD079484.D

Acq: 31 Jul 2024 05:35

Tgt Ion: 42 Resp: 65

Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.4	74.0#
71	0.0	45.0	67.6#





#33

1,2-Dichloroethane-d4

Concen: 130.351 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079484.D

Acq: 31 Jul 2024 05:35

Instrument :

MSVOA_D

ClientSampleId :

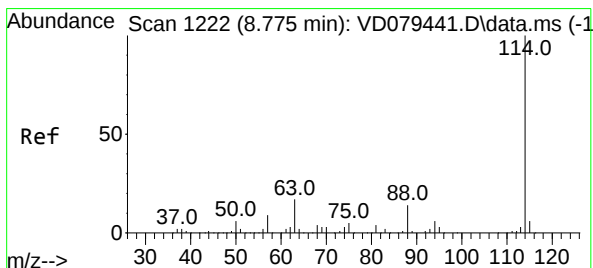
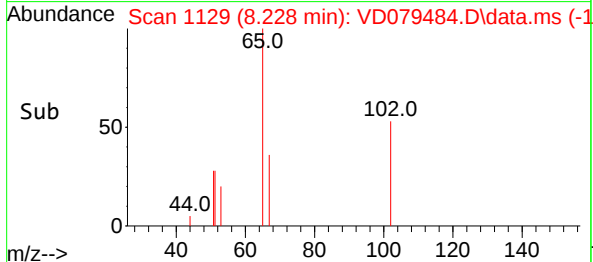
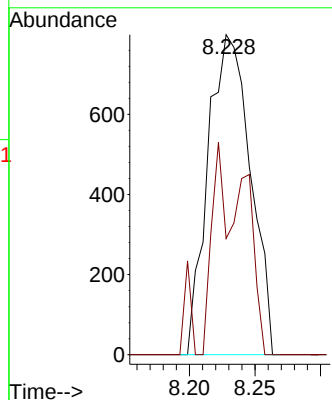
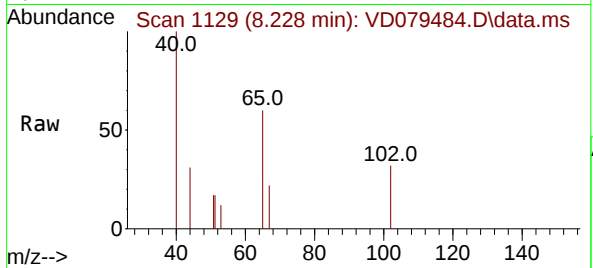
S-862-K2-SO-12-12.5-072024

Tgt Ion: 65 Resp: 1797

Ion Ratio Lower Upper

65 100

67 22.0 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079484.D

Acq: 31 Jul 2024 05:35

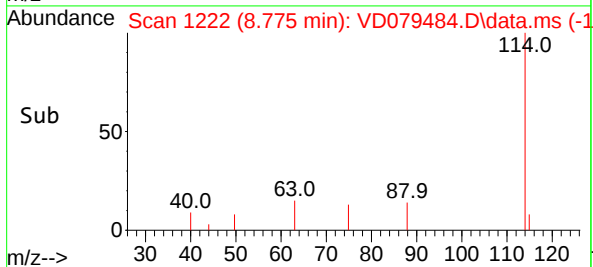
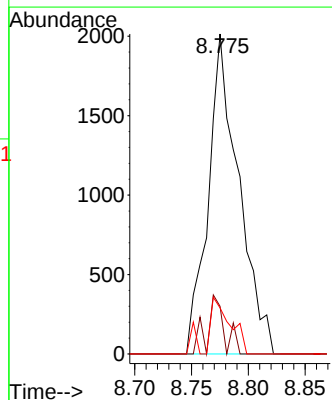
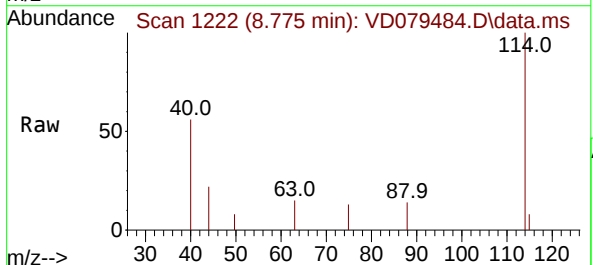
Tgt Ion: 114 Resp: 3769

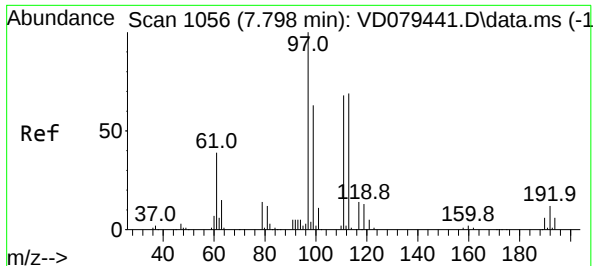
Ion Ratio Lower Upper

114 100

63 14.9 0.0 34.0

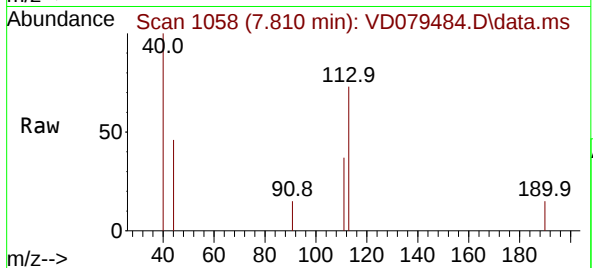
88 14.4 0.0 27.2



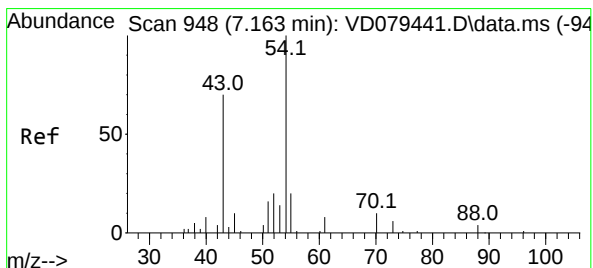
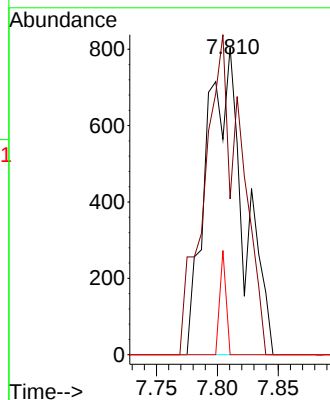
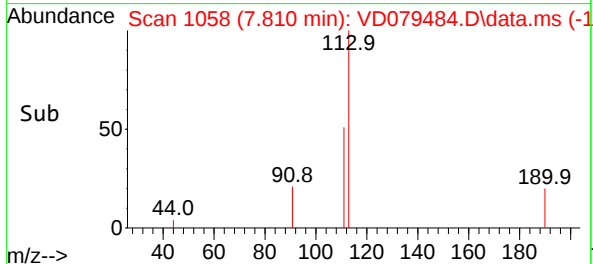


#35
Dibromofluoromethane
Concen: 67.345 ug/l
RT: 7.810 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Instrument : MSVOA_D
ClientSampleId : S-862-K2-SO-12-12.5-072024

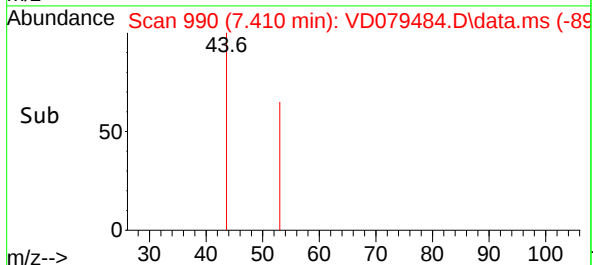
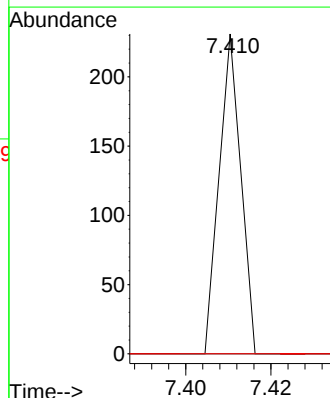
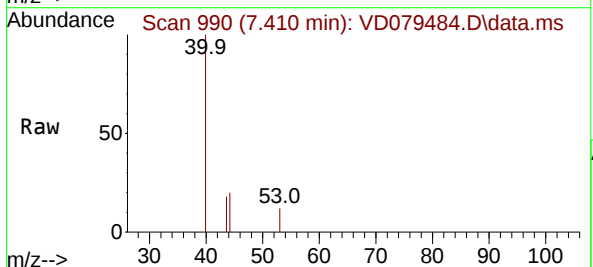


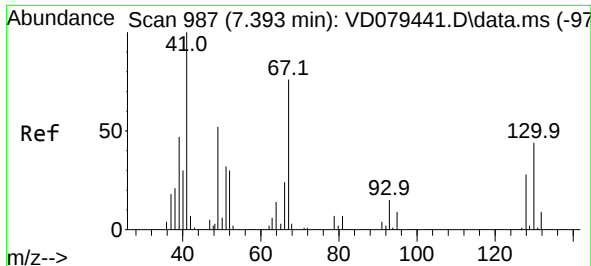
Tgt Ion: 113 Resp: 1718
Ion Ratio Lower Upper
113 100
111 102.7 84.0 126.0
192 5.6 15.4 23.0#



#37
Ethyl Acetate
Concen: 5.744 ug/l
RT: 7.410 min Scan# 990
Delta R.T. 0.235 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

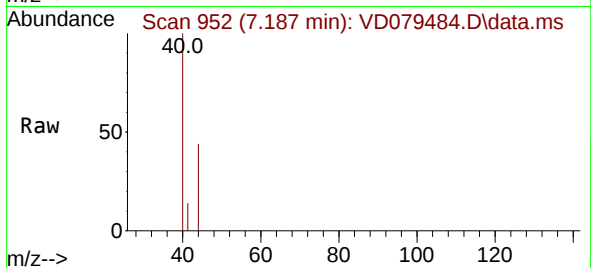
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
61 0.0 13.9 20.9#
70 0.0 9.8 14.6#



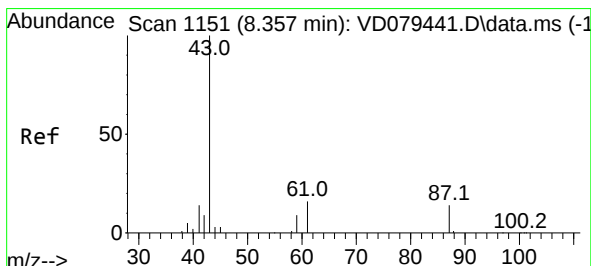
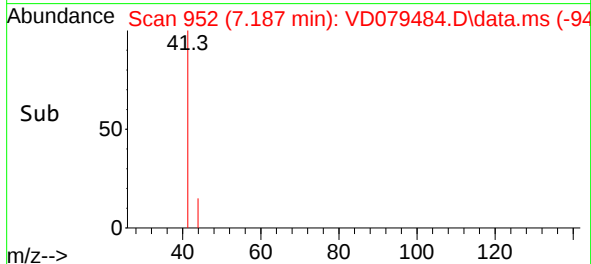
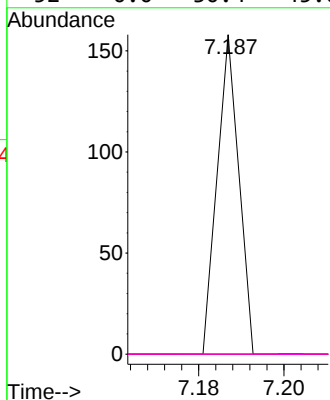


#41
Methacrylonitrile
Concen: 7.131 ug/l
RT: 7.187 min Scan# 91
Delta R.T. -0.229 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

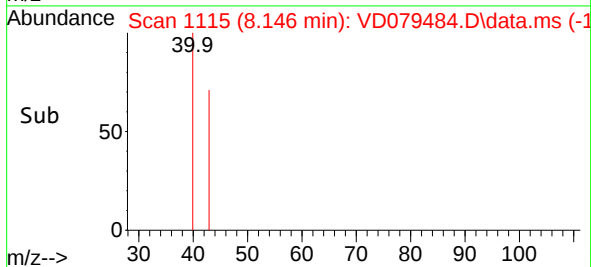
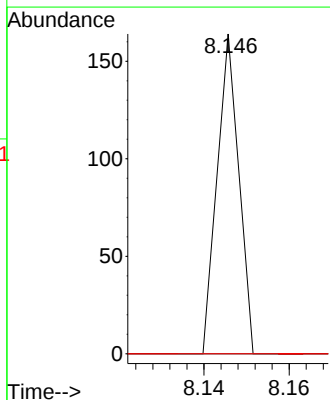
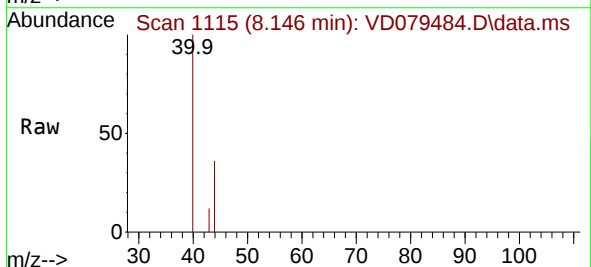


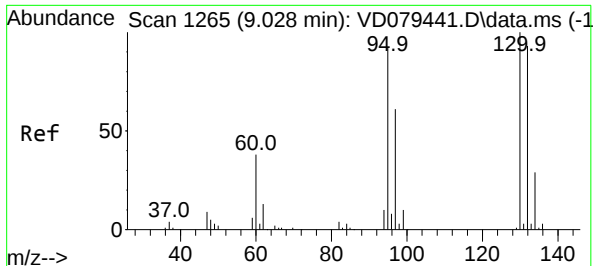
Tgt Ion:	41	Resp:	56
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.4	62.0#
67	0.0	85.8	128.6#
52	0.0	30.4	45.6#



#43
Isopropyl Acetate
Concen: 2.162 ug/l
RT: 8.146 min Scan# 1115
Delta R.T. -0.212 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion:	43	Resp:	58
Ion	Ratio	Lower	Upper
43	100		
61	0.0	29.3	43.9#
87	0.0	14.9	22.3#

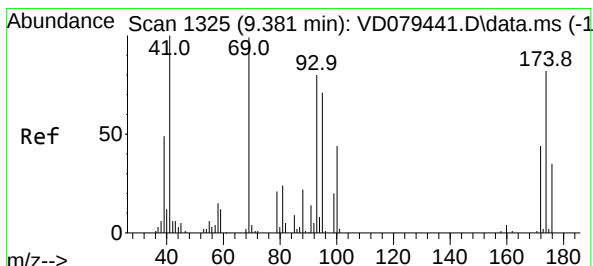
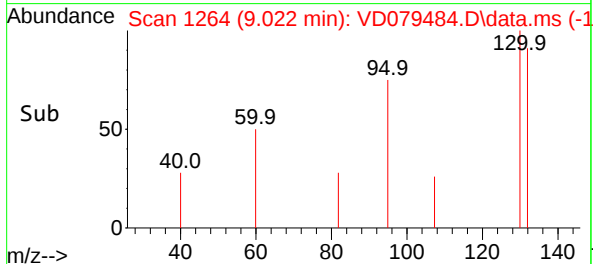
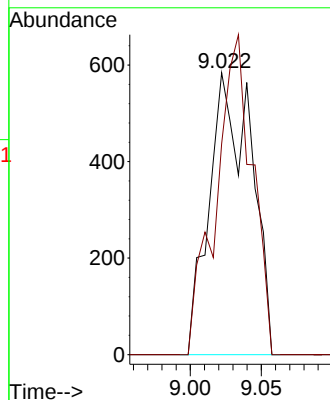
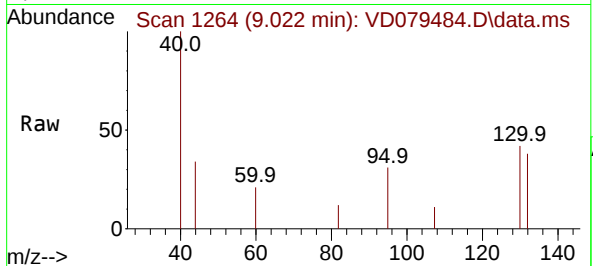




#44
Trichloroethene
Concen: 43.734 ug/l
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

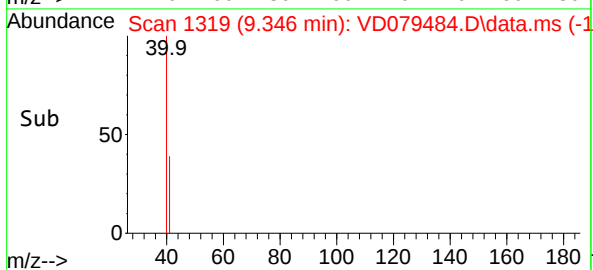
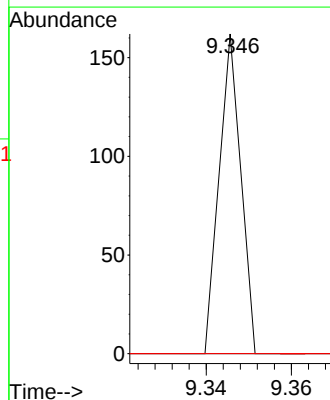
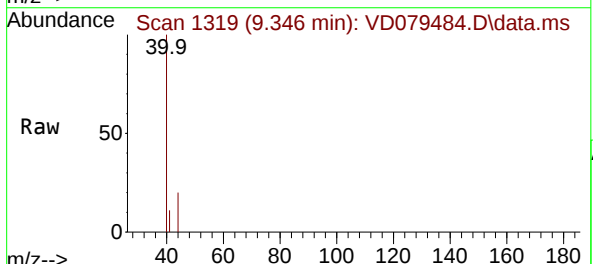
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

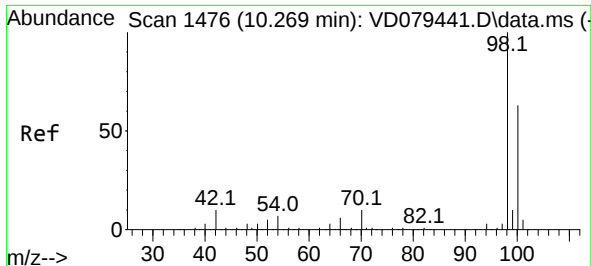
Tgt Ion:130 Resp: 1204
Ion Ratio Lower Upper
130 100
95 74.8 0.0 177.8



#48
Methyl methacrylate
Concen: 4.747 ug/l
RT: 9.346 min Scan# 1319
Delta R.T. -0.035 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 96.7 145.1#
39 0.0 43.8 65.6#

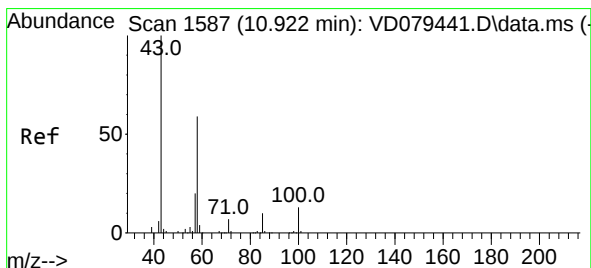
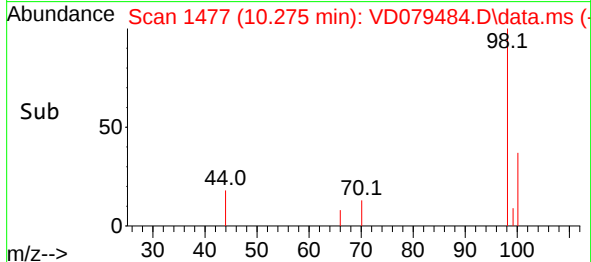
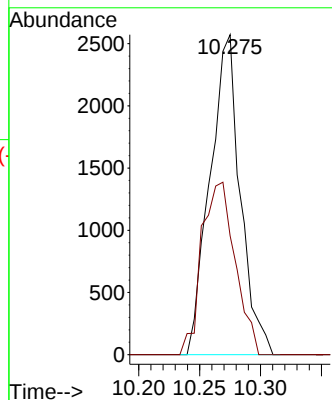
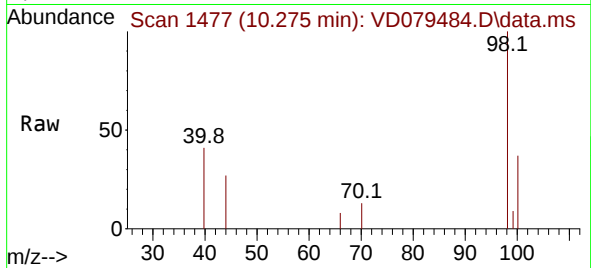




#50
Toluene-d8
Concen: 44.889 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.012 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

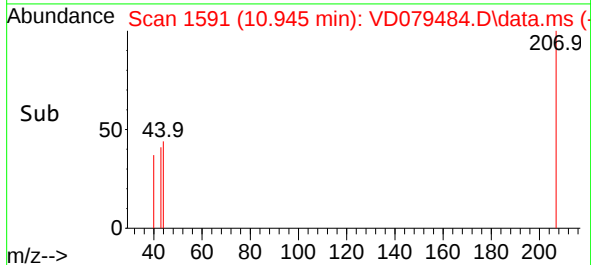
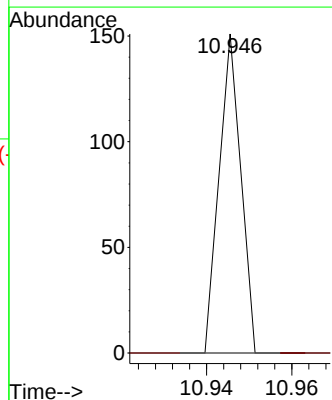
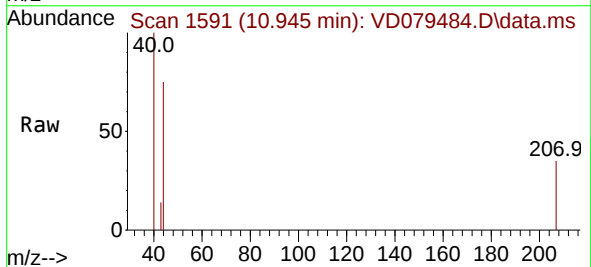
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

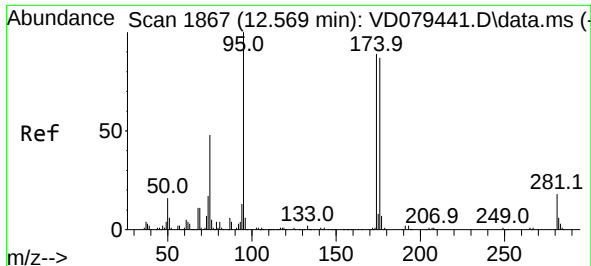
Tgt Ion: 98 Resp: 4447
Ion Ratio Lower Upper
98 100
100 59.4 51.6 77.4



#59
2-Hexanone
Concen: 5.548 ug/l
RT: 10.945 min Scan# 1591
Delta R.T. 0.029 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

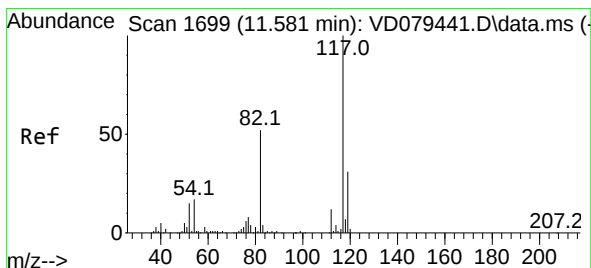
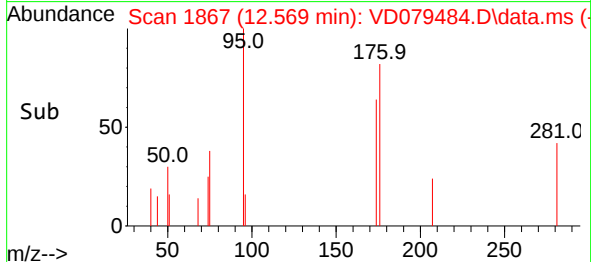
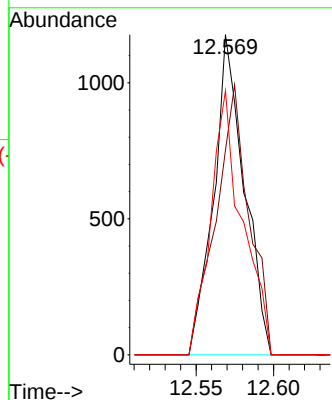
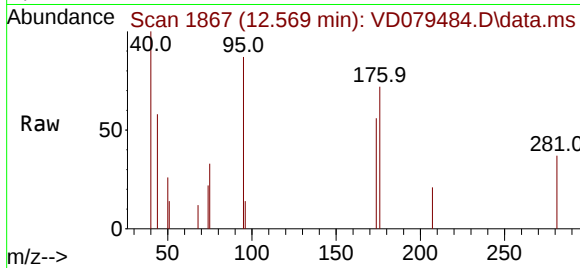




#62
4-Bromofluorobenzene
Concen: 56.405 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

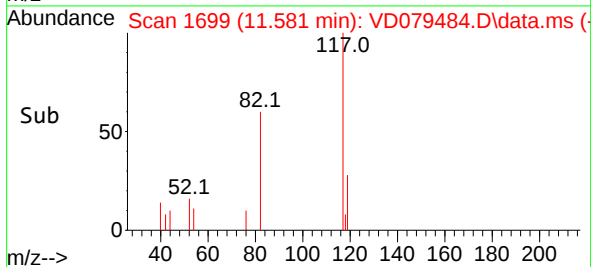
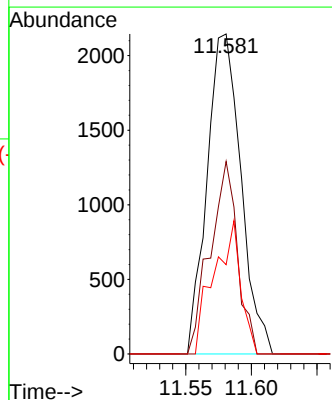
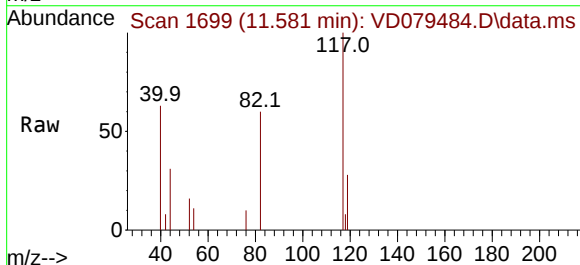
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

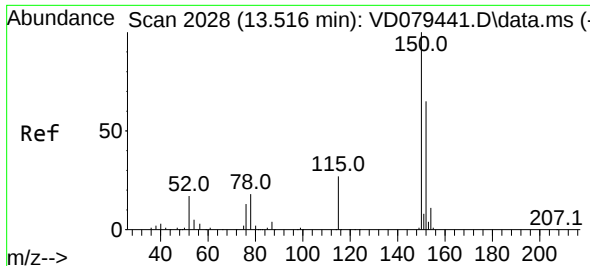
Tgt Ion:	95	Resp:	1617
Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	195.4
176	85.0	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion:	117	Resp:	3859
Ion	Ratio	Lower	Upper
117	100		
82	60.1	39.8	59.6#
119	27.9	25.7	38.5

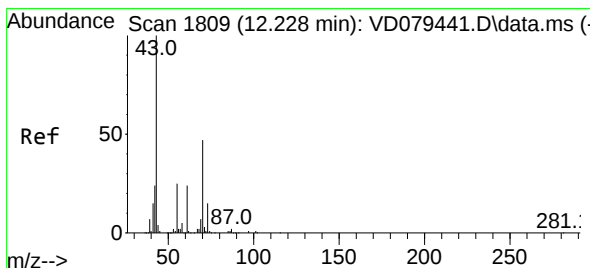
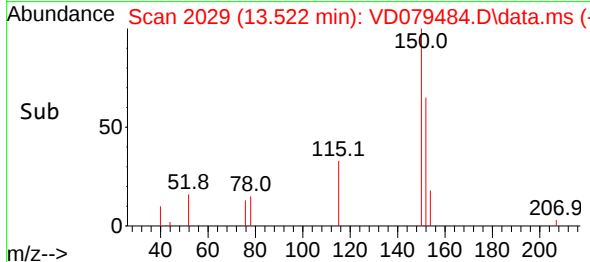
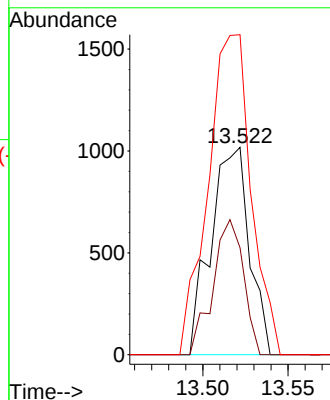
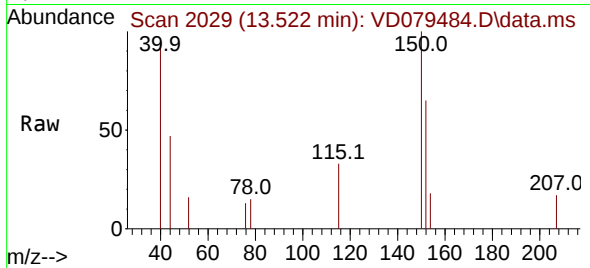




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.012 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

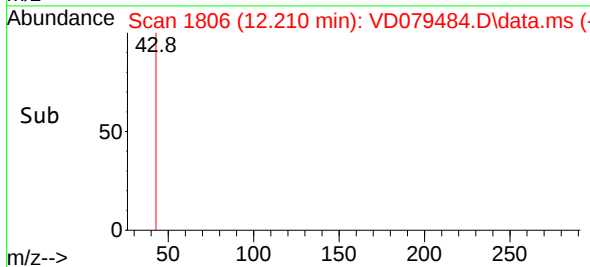
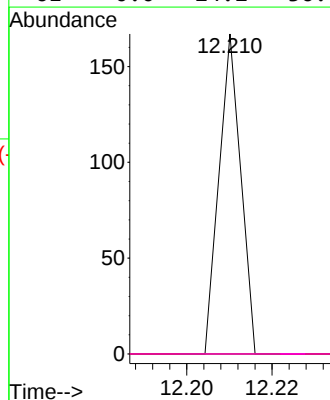
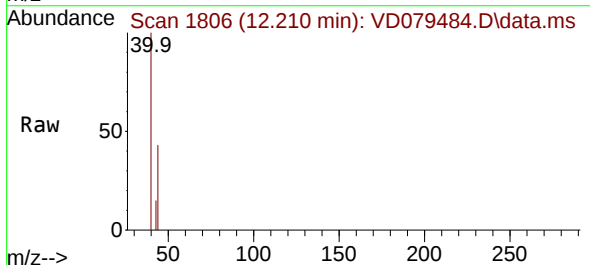
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

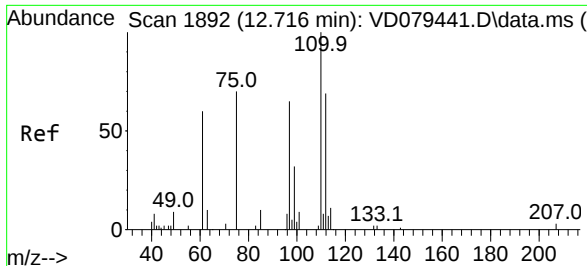
Tgt Ion:152 Resp: 1606
Ion Ratio Lower Upper
152 100
115 51.4 26.5 79.5
150 172.5 0.0 341.6



#74
N-ethyl acetate
Concen: 2.498 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.024 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
70 0.0 44.3 66.5#
55 0.0 23.2 34.8#
61 0.0 24.2 36.4#

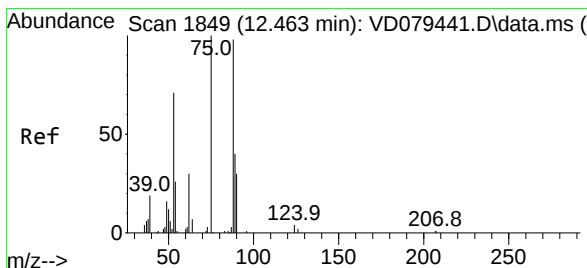
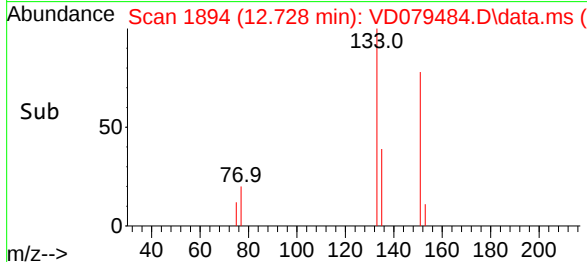
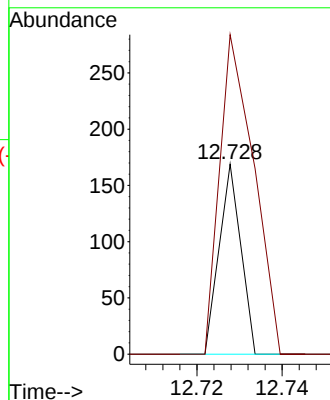
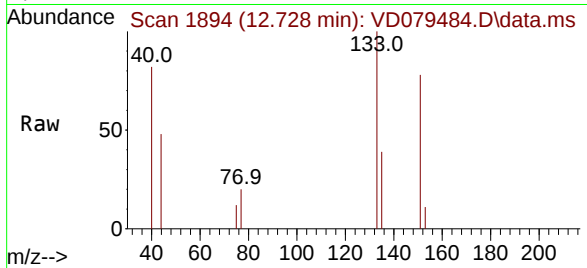




#76
1,2,3-Trichloropropane
Concen: 4.274 ug/l
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12-12.5-072024

Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 263.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.865 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079484.D
Acq: 31 Jul 2024 05:35

Tgt Ion: 75 Resp: 816
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

