

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079514.D
 Acq On : 01 Aug 2024 01:20
 Operator : RP/MD
 Sample : P3374-12
 Misc : 7.68G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-13.5-14-072024-FD

Quant Time: Aug 01 02:55:58 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)

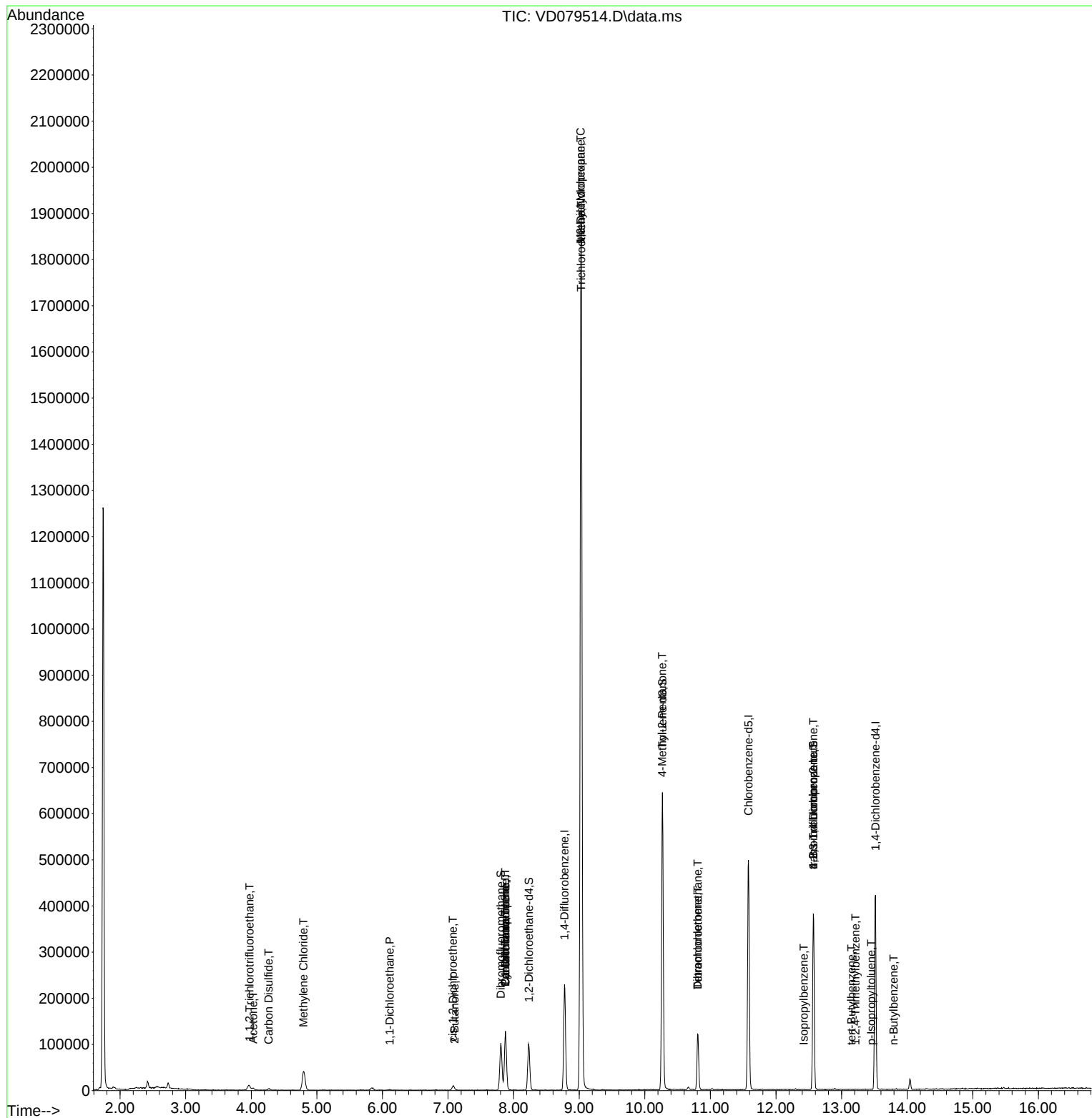
Internal Standards						
1) Pentafluorobenzene	7.875	168	86494	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	196279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	311286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	121242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75168	85.545	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 171.080%#	
35) Dibromofluoromethane	7.805	113	70092	52.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.520%	
50) Toluene-d8	10.269	98	456101	88.407	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 176.820%#	
62) 4-Bromofluorobenzene	12.569	95	112305	75.224	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 150.440%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.675	94	181	Below Cal	#	71
9) 1,1,2-Trichlorotrifluo...	3.975	101	6732	7.209	ug/l	95
16) Acetone	4.028	43	7671	44.921	ug/l	94
17) Carbon Disulfide	4.264	76	6942	2.250	ug/l	99
20) Methylene Chloride	4.793	84	32056	15.312	ug/l	93
24) 1,1-Dichloroethane	6.111	63	2019	1.097	ug/l	# 78
25) 2-Butanone	7.099	43	762	3.147	ug/l	# 42
27) cis-1,2-Dichloroethene	7.075	96	5568	4.640	ug/l	98
31) Cyclohexane	7.875	56	2317	1.588	ug/l	# 29
36) 1,1-Dichloropropene	7.875	75	8905	4.911	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	9758	5.119	ug/l	# 19
39) Methylcyclohexane	9.022	83	9786	4.523	ug/l	# 1
44) Trichloroethene	9.028	130	672702	469.215	ug/l	87
45) 1,2-Dichloropropane	9.022	63	2159	1.540	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.263	43	2103	2.948	ug/l	# 1
60) Dibromochloromethane	10.804	129	26661	19.940	ug/l	# 11
64) Tetrachloroethene	10.804	164	29975	14.281	ug/l	91
73) Isopropylbenzene	12.422	105	77	3.636	ug/l	# 48
76) 1,2,3-Trichloropropane	12.569	75	56334	53.157	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	56334	101.384	ug/l	# 19
83) tert-Butylbenzene	13.151	119	227	3.660	ug/l	# 31
84) 1,2,4-Trimethylbenzene	13.210	105	272	3.462	ug/l	# 29
86) p-Isopropyltoluene	13.451	119	83	3.895	ug/l	# 25
89) n-Butylbenzene	13.792	91	164	3.802	ug/l	# 34

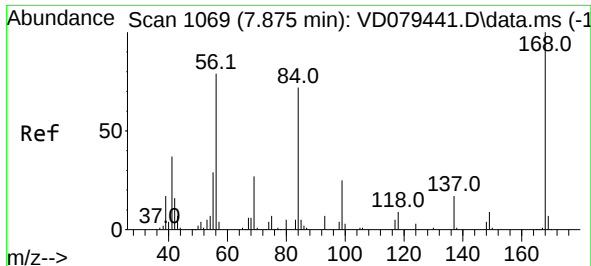
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
Data File : VD079514.D
Acq On : 01 Aug 2024 01:20
Operator : RP/MD
Sample : P3374-12
Misc : 7.68G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

Quant Time: Aug 01 02:55:58 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

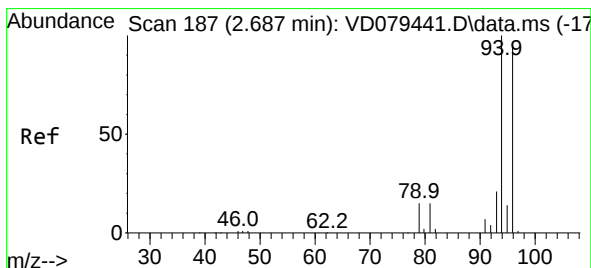
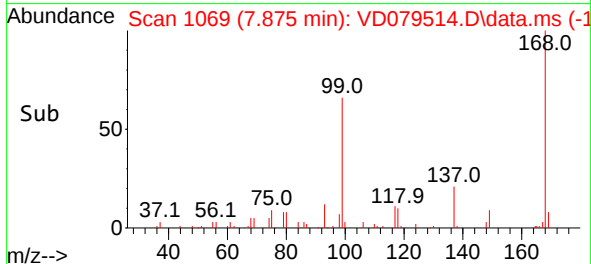
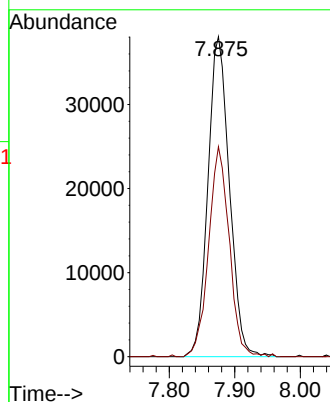
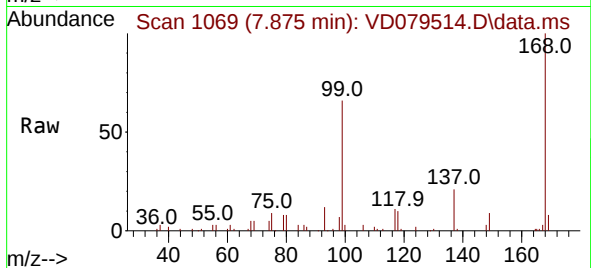




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

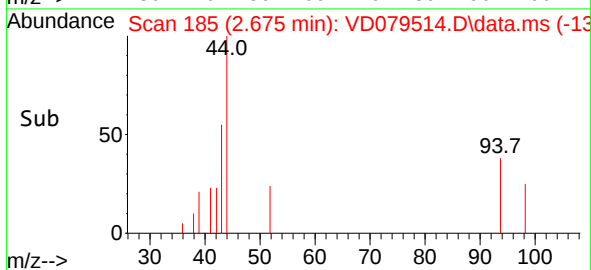
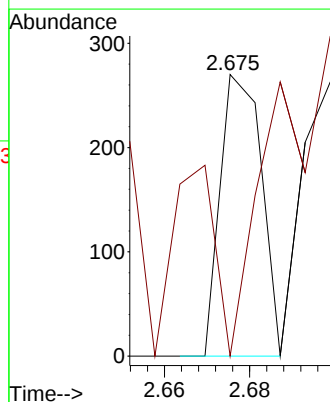
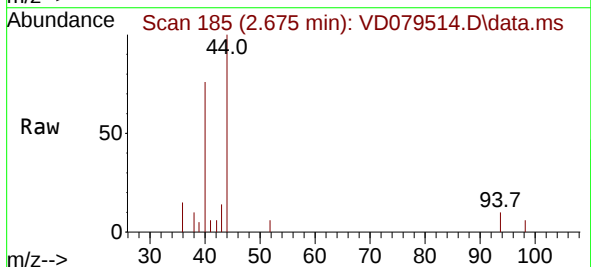
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

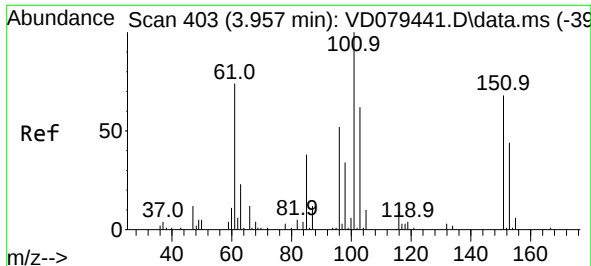
Tgt Ion:168 Resp: 86494
Ion Ratio Lower Upper
168 100
99 65.6 41.1 61.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.675 min Scan# 185
Delta R.T. -0.012 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 68.0 76.9 115.3#

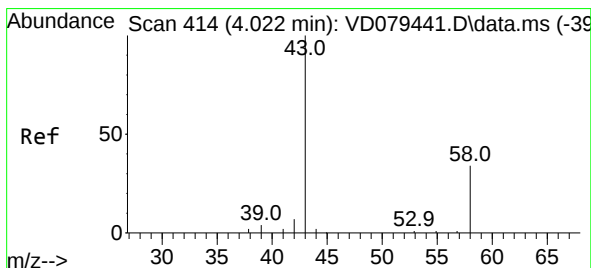
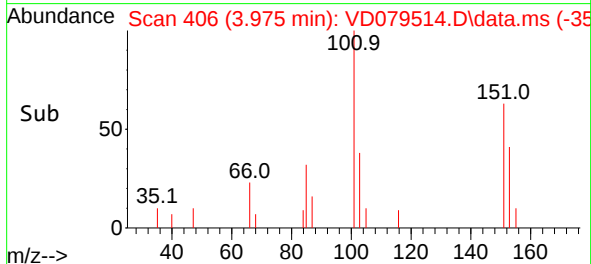
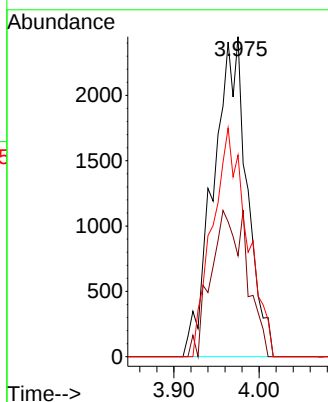
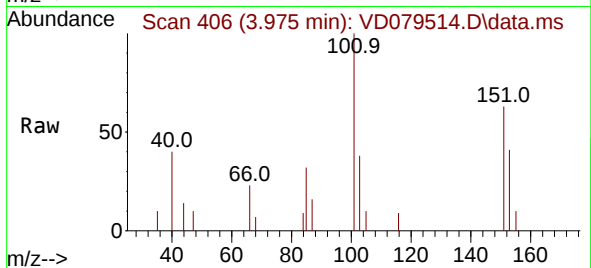




#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.209 ug/l
RT: 3.975 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

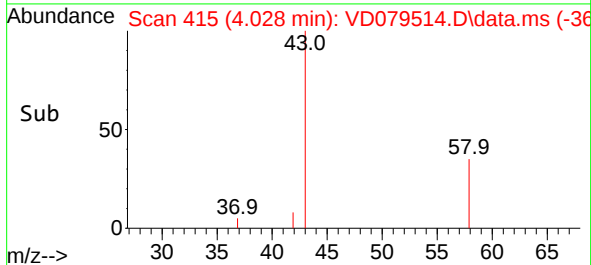
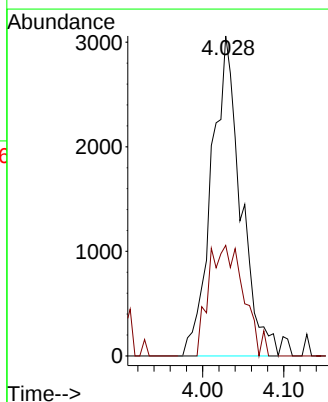
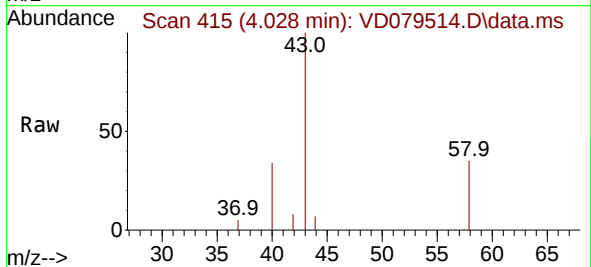
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

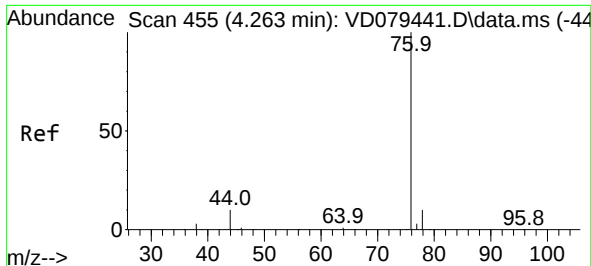
Tgt Ion:101 Resp: 6732
Ion Ratio Lower Upper
101 100
85 48.4 33.5 50.3
151 73.7 60.3 90.5



#16
Acetone
Concen: 44.921 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 43 Resp: 7671
Ion Ratio Lower Upper
43 100
58 34.5 30.4 45.6

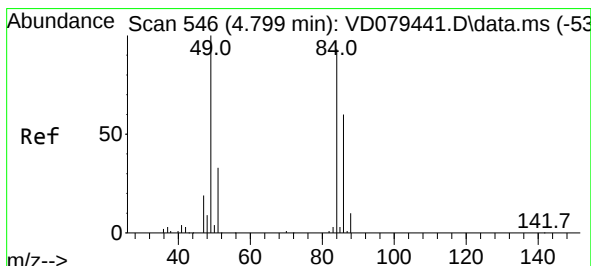
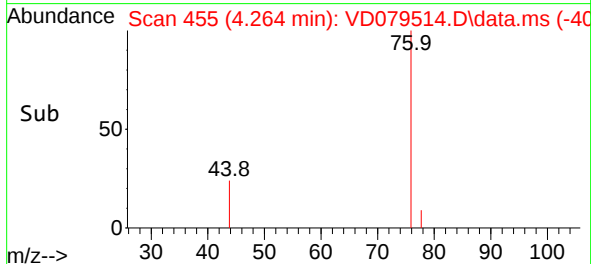
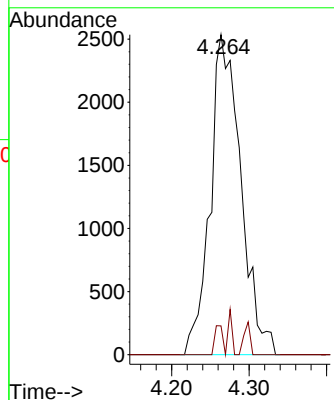
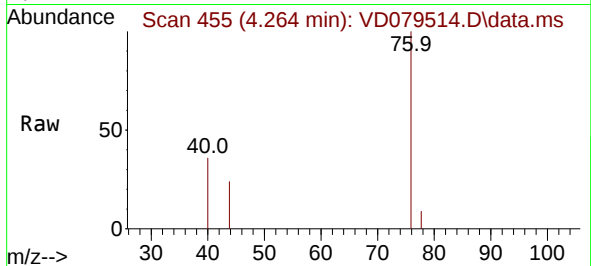




#17
Carbon Disulfide
Concen: 2.250 ug/l
RT: 4.264 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

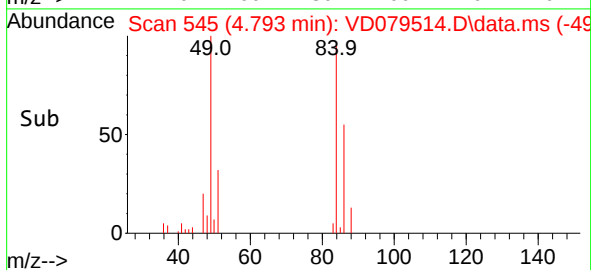
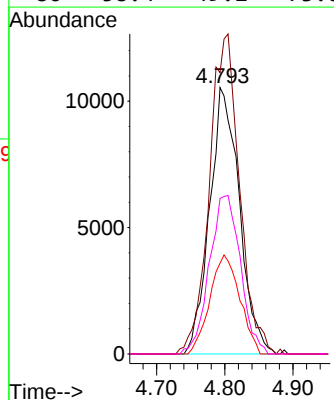
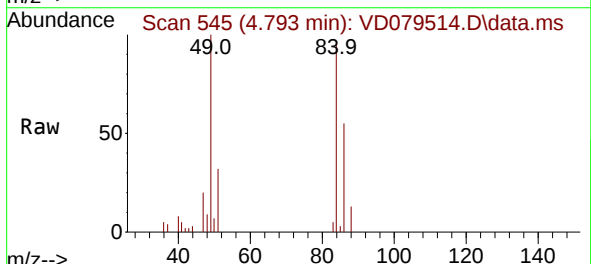
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

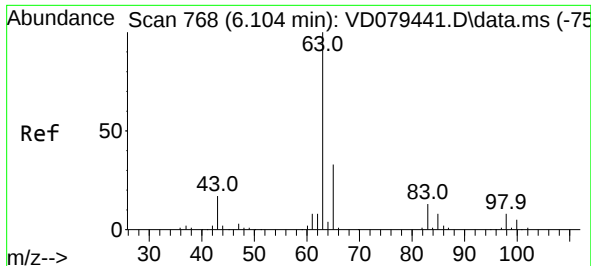
Tgt Ion: 76 Resp: 6942
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#20
Methylene Chloride
Concen: 15.312 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 84 Resp: 32056
Ion Ratio Lower Upper
84 100
49 103.8 75.6 113.4
51 34.0 24.2 36.2
86 58.4 49.2 73.8





#24

1,1-Dichloroethane

Concen: 1.097 ug/l

RT: 6.111 min Scan# 7

Delta R.T. 0.006 min

Lab File: VD079514.D

Acq: 01 Aug 2024 01:20

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-13.5-14-072024-FD

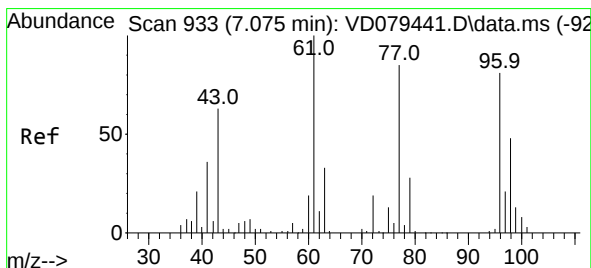
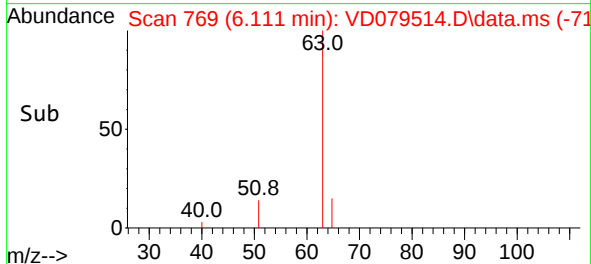
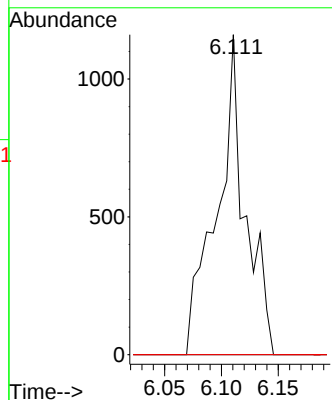
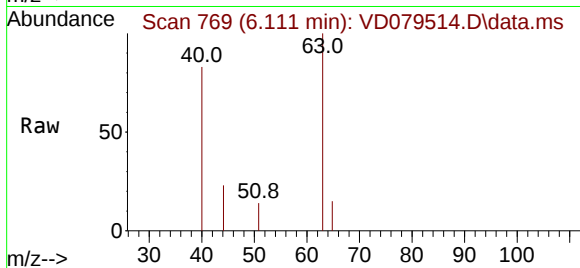
Tgt Ion: 63 Resp: 2019

Ion Ratio Lower Upper

63 100

98 0.0 4.7 14.0#

100 0.0 2.9 8.6#



#25

2-Butanone

Concen: 3.147 ug/l

RT: 7.099 min Scan# 937

Delta R.T. 0.006 min

Lab File: VD079514.D

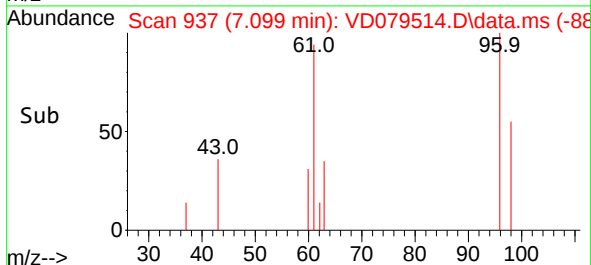
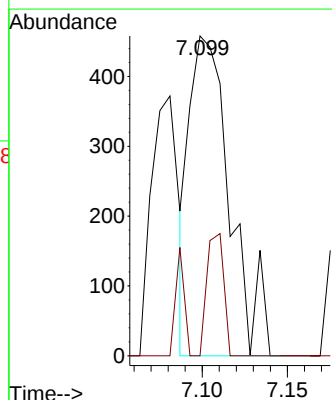
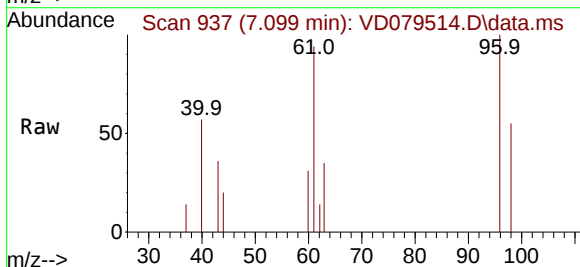
Acq: 01 Aug 2024 01:20

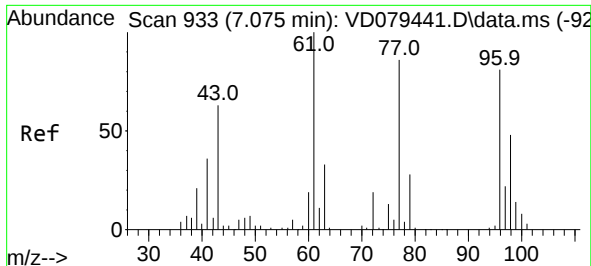
Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#





#27

cis-1,2-Dichloroethene

Concen: 4.640 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD079514.D

Acq: 01 Aug 2024 01:20

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-13.5-14-072024-FD

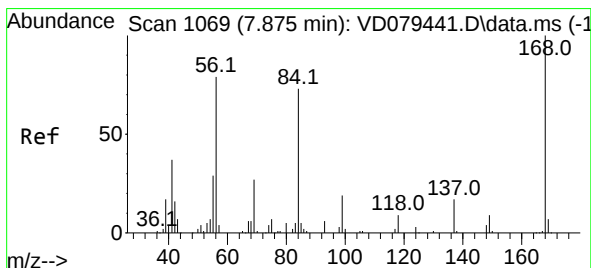
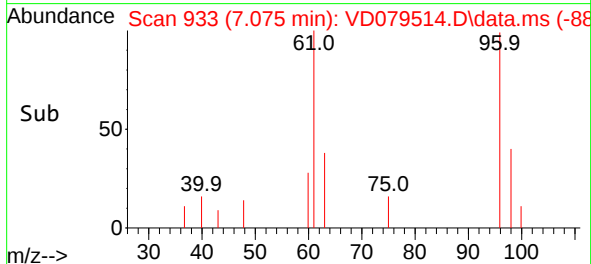
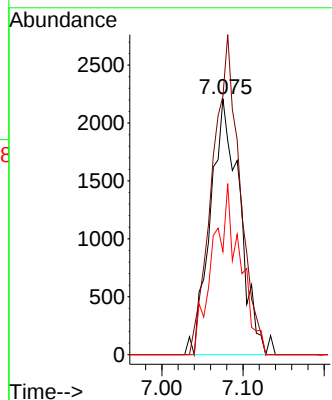
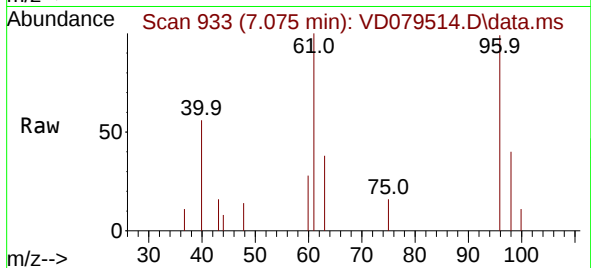
Tgt Ion: 96 Resp: 5568

Ion Ratio Lower Upper

96 100

61 116.5 0.0 229.0

98 61.9 0.0 127.2



#31

Cyclohexane

Concen: 1.588 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079514.D

Acq: 01 Aug 2024 01:20

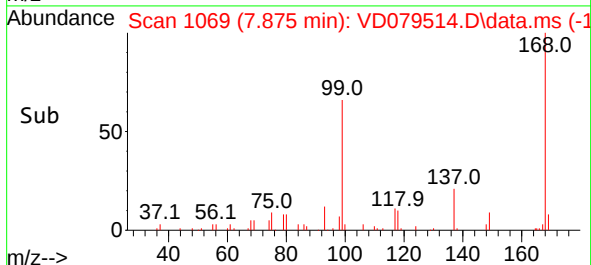
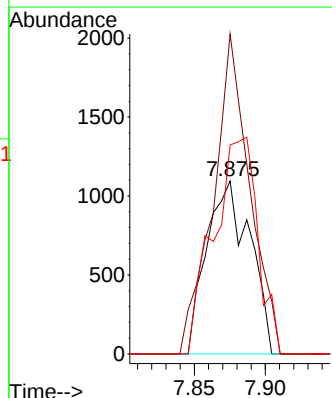
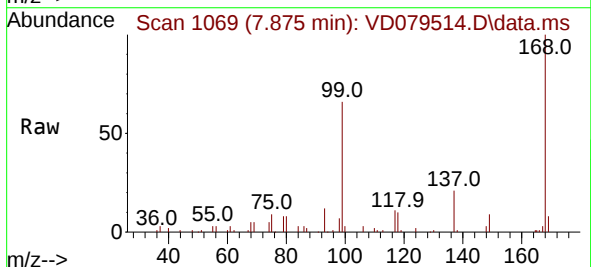
Tgt Ion: 56 Resp: 2317

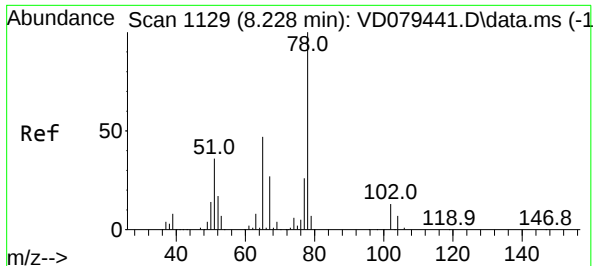
Ion Ratio Lower Upper

56 100

69 185.0 28.0 42.0#

84 120.8 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 85.545 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079514.D

Acq: 01 Aug 2024 01:20

Instrument :

MSVOA_D

ClientSampleId :

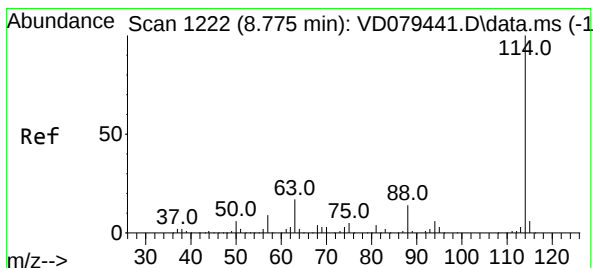
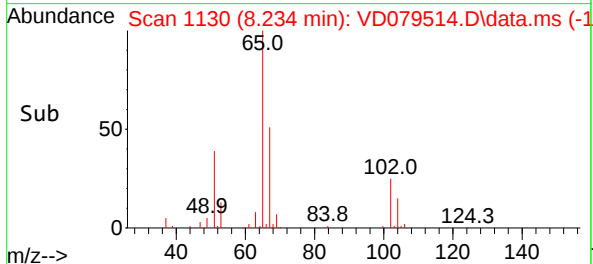
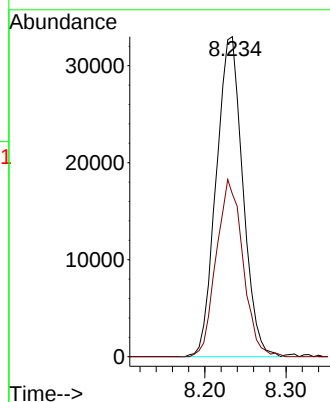
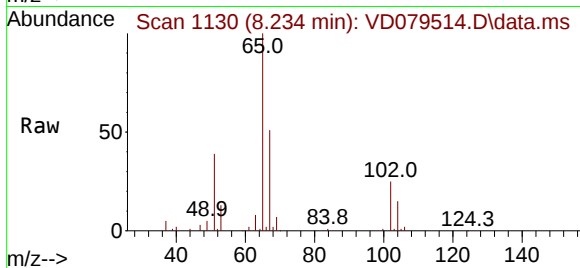
S-861-K2-SO-13.5-14-072024-FD

Tgt Ion: 65 Resp: 75168

Ion Ratio Lower Upper

65 100

67 55.5 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: VD079514.D

Acq: 01 Aug 2024 01:20

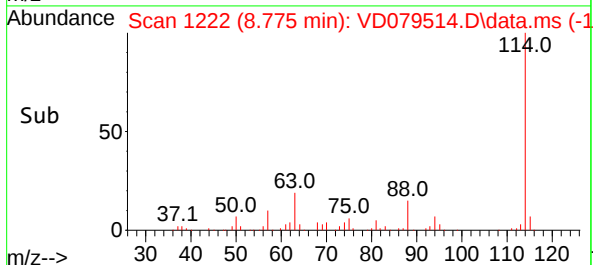
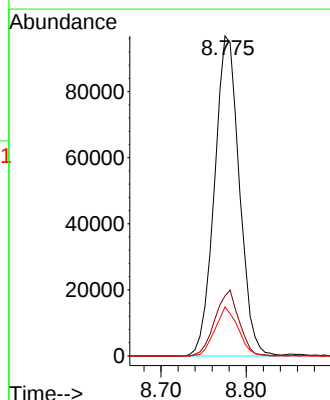
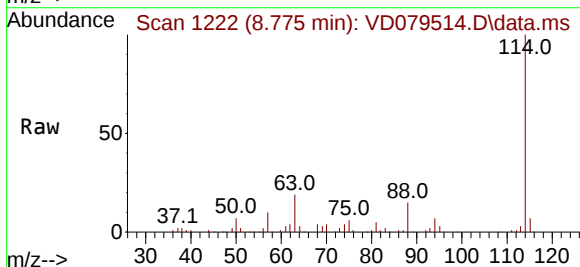
Tgt Ion: 114 Resp: 196279

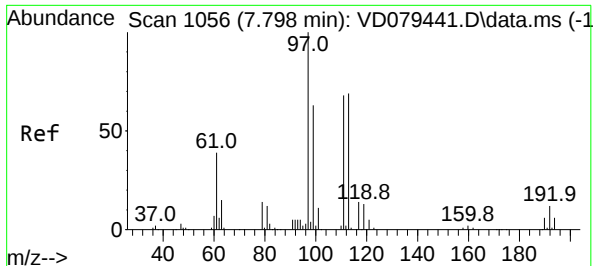
Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.0

88 15.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.760 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD079514.D

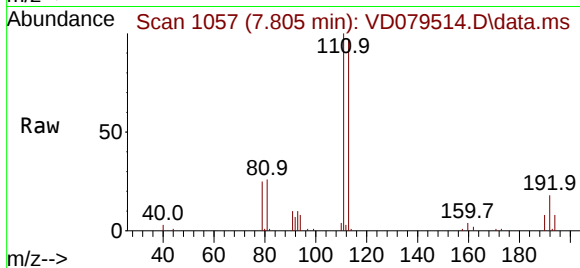
Acq: 01 Aug 2024 01:20

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-13.5-14-072024-FD



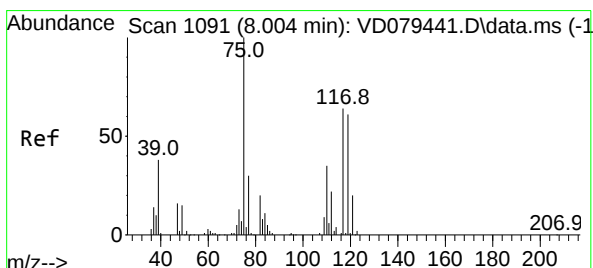
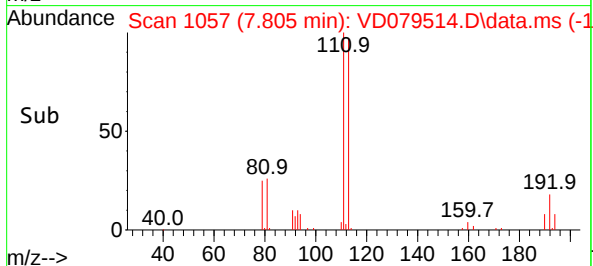
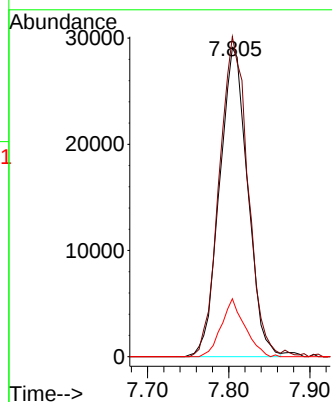
Tgt Ion:113 Resp: 70092

Ion Ratio Lower Upper

113 100

111 105.9 84.0 126.0

192 15.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.911 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079514.D

Acq: 01 Aug 2024 01:20

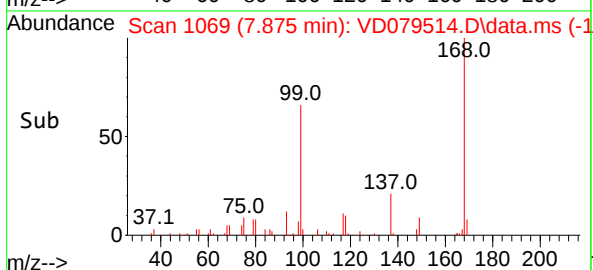
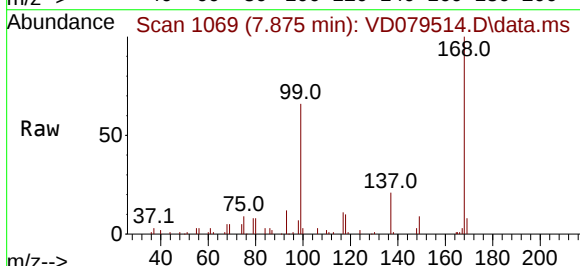
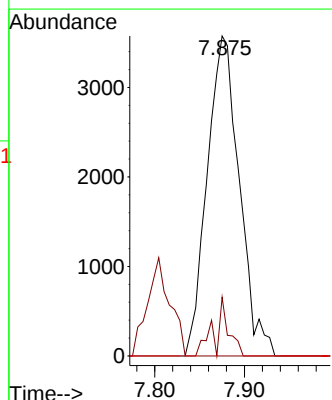
Tgt Ion: 75 Resp: 8905

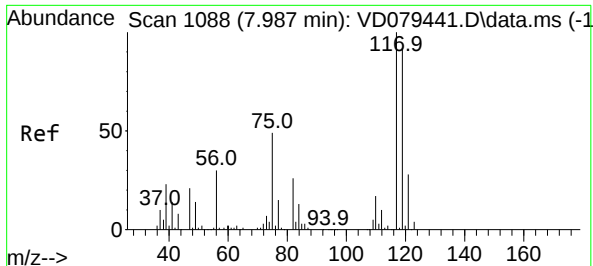
Ion Ratio Lower Upper

75 100

110 8.0 19.6 58.7#

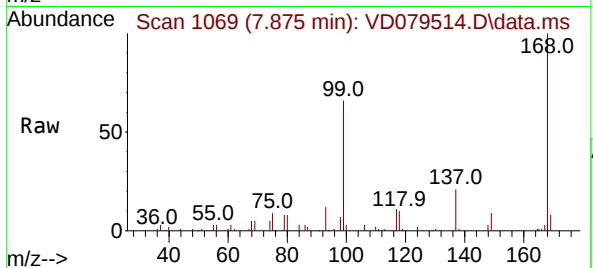
77 0.0 26.1 39.1#



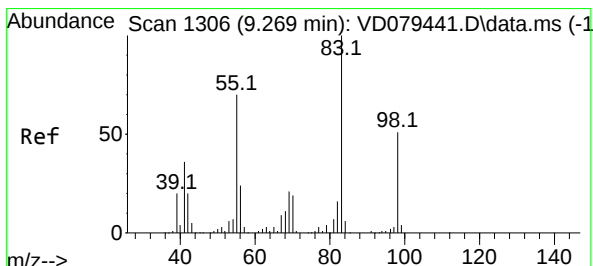
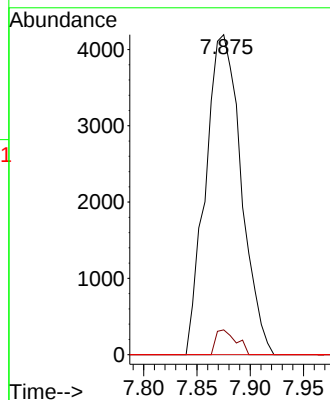
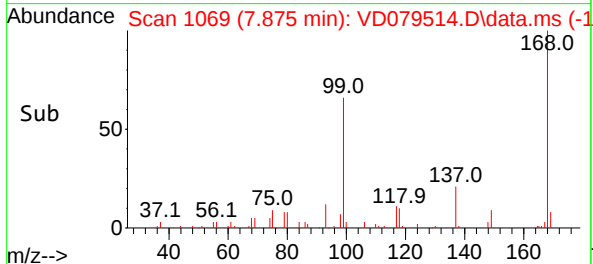


#38
Carbon Tetrachloride
Concen: 5.119 ug/l
RT: 7.875 min Scan# 117
Delta R.T. -0.112 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-13.5-14-072024-FD

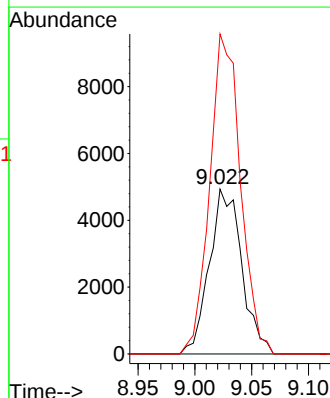
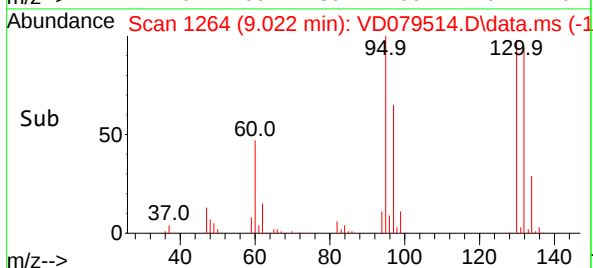
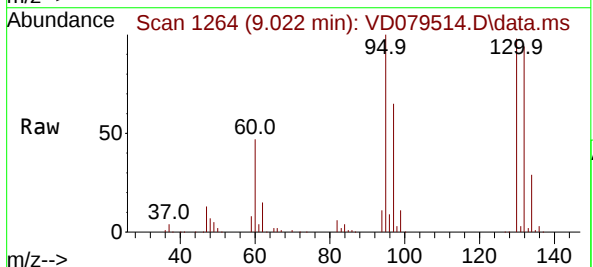


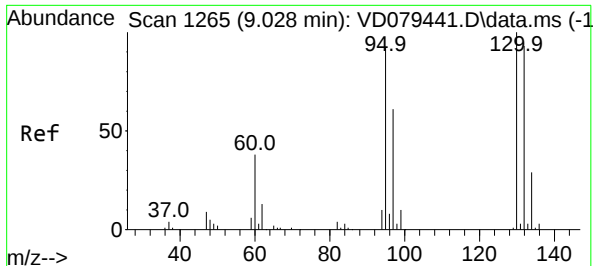
Tgt Ion:117 Resp: 9758
Ion Ratio Lower Upper
117 100
119 7.7 75.4 113.0#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 4.523 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.253 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 83 Resp: 9786
Ion Ratio Lower Upper
83 100
55 0.0 50.1 75.1#
98 194.1 41.9 62.9#

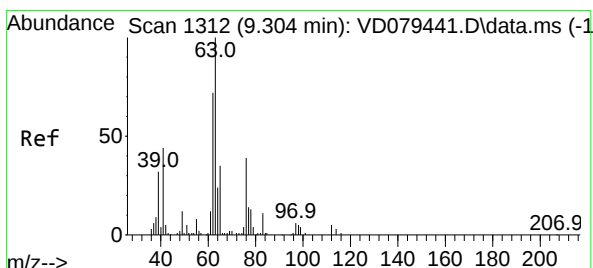
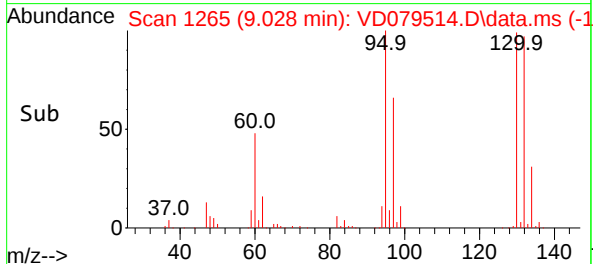
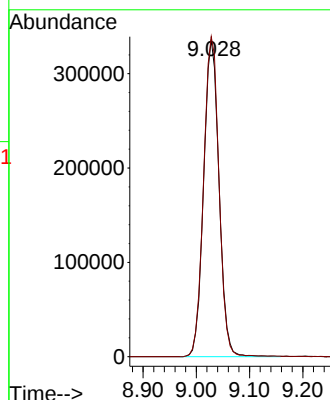
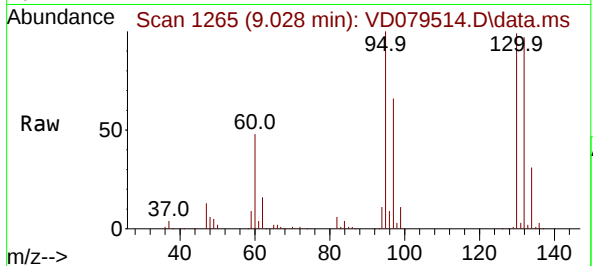




#44
Trichloroethene
Concen: 469.215 ug/l
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

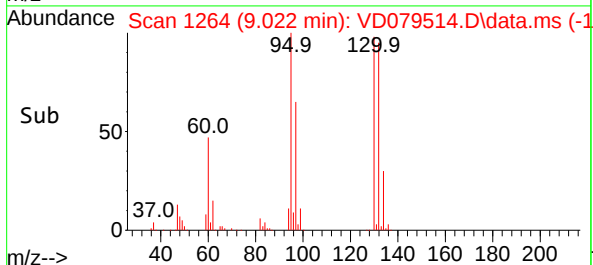
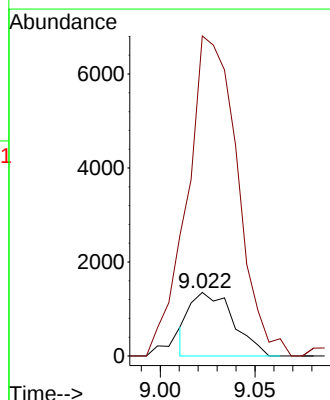
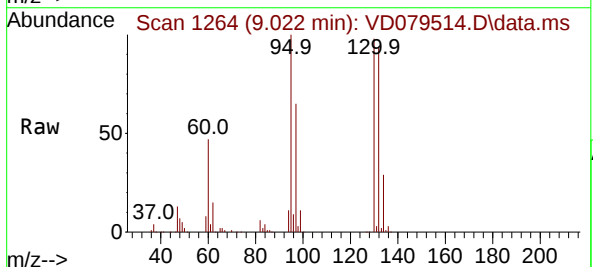
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

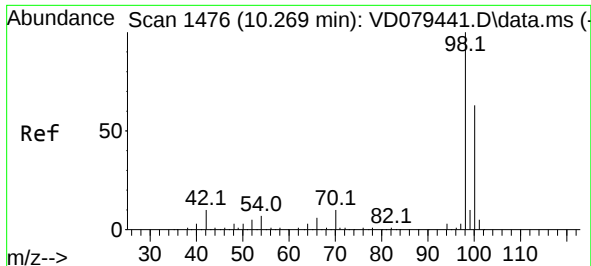
Tgt Ion:130 Resp: 672702
Ion Ratio Lower Upper
130 100
95 100.9 0.0 177.8



#45
1,2-Dichloropropane
Concen: 1.540 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.276 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 63 Resp: 2159
Ion Ratio Lower Upper
63 100
65 476.8 23.8 35.8#

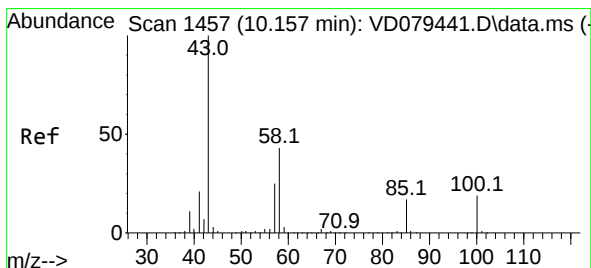
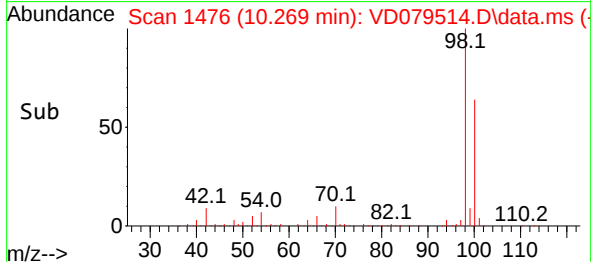
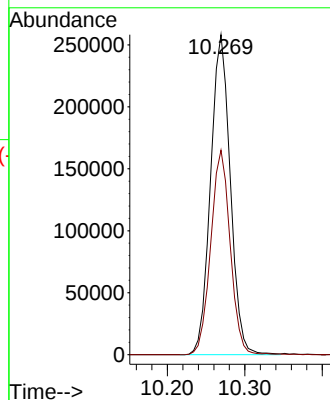
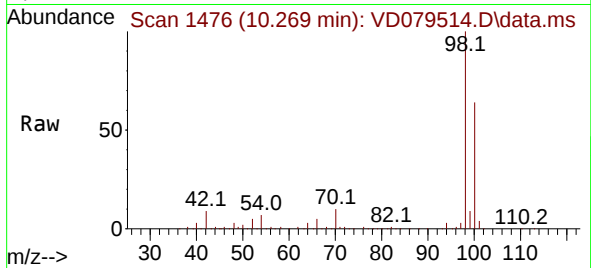




#50
Toluene-d8
Concen: 88.407 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

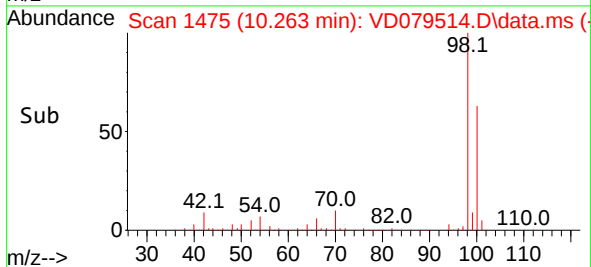
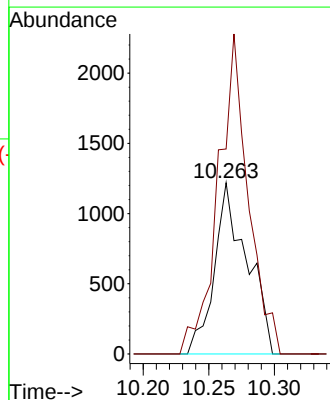
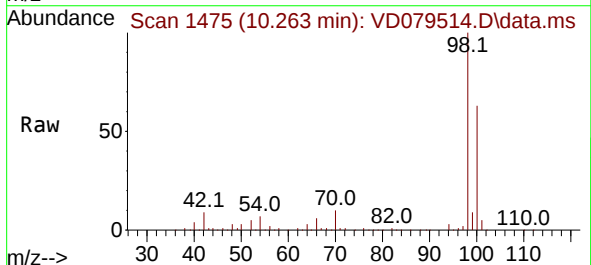
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

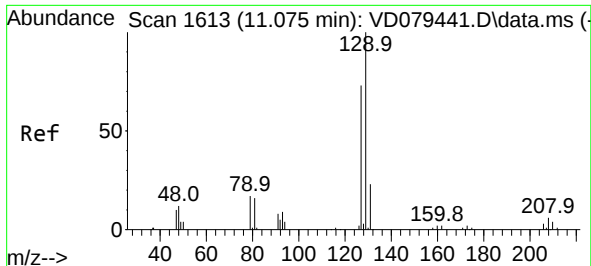
Tgt Ion: 98 Resp: 456101
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 2.948 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
58 172.9 36.6 55.0#

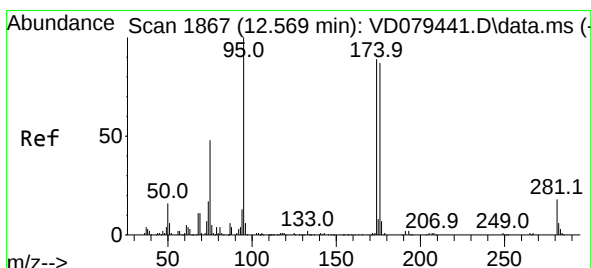
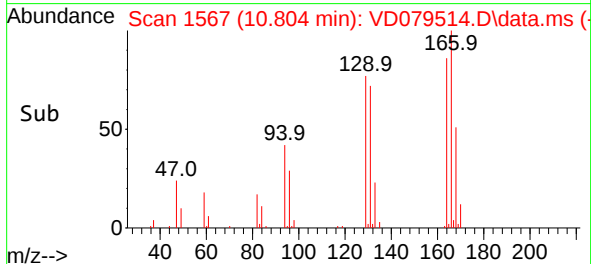
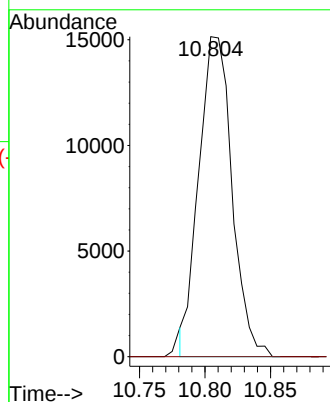
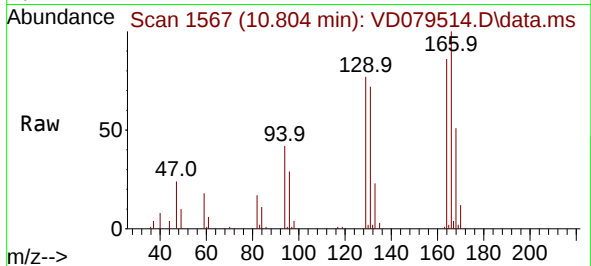




#60
Dibromochloromethane
Concen: 19.940 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.265 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

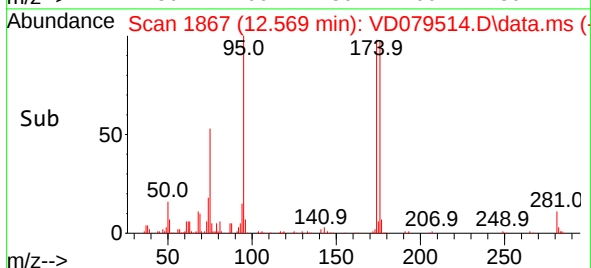
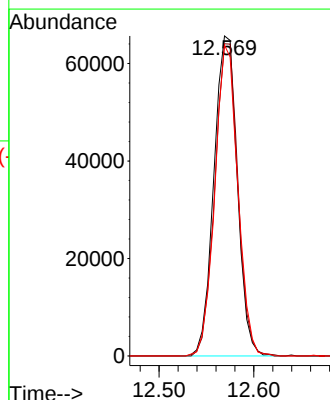
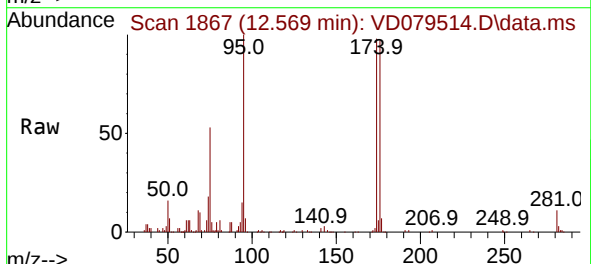
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

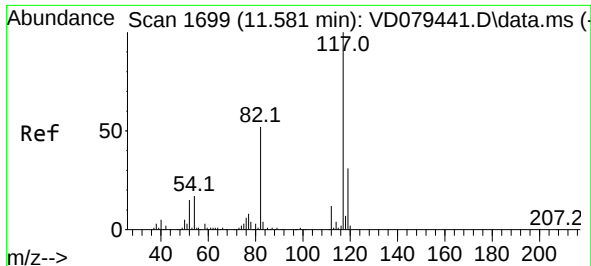
Tgt Ion:129 Resp: 26661
Ion Ratio Lower Upper
129 100
127 0.0 38.0 113.9#



#62
4-Bromofluorobenzene
Concen: 75.224 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 95 Resp: 112305
Ion Ratio Lower Upper
95 100
174 96.9 0.0 195.4
176 95.4 0.0 192.6

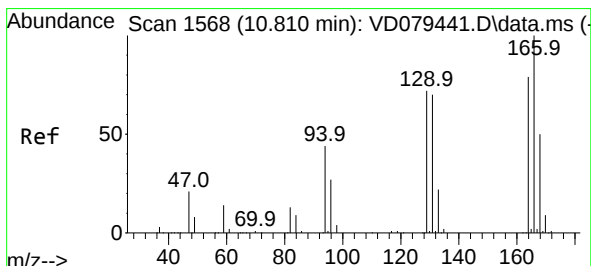
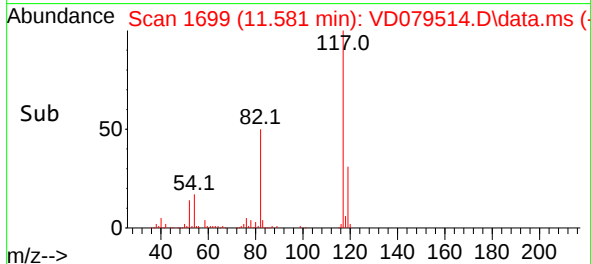
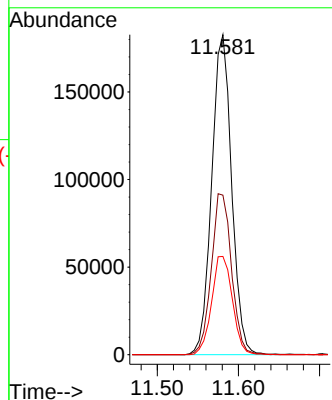
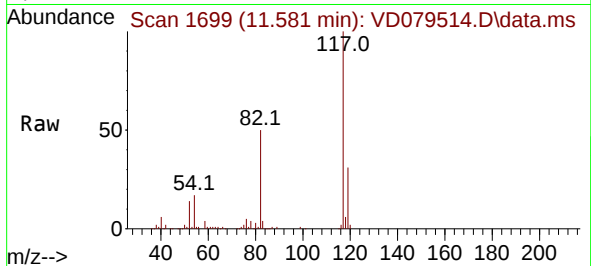




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

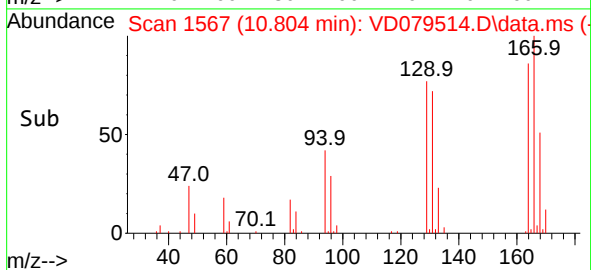
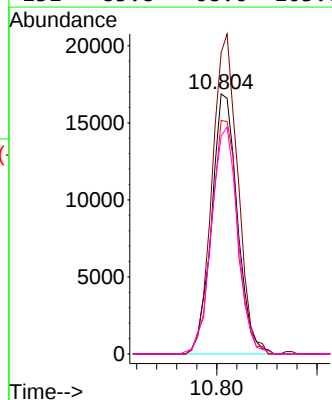
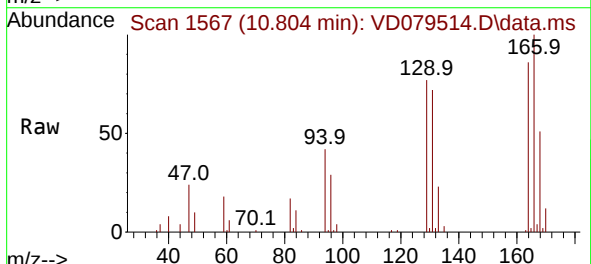
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

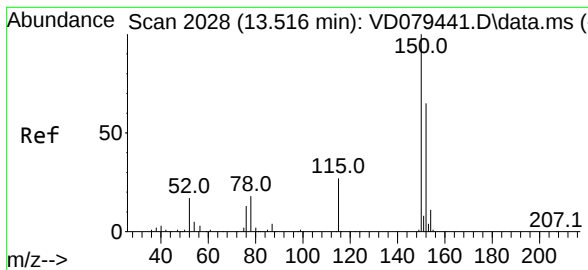
Tgt Ion:	117	Resp:	311286
Ion	Ratio	Lower	Upper
117	100		
82	49.9	39.8	59.6
119	30.7	25.7	38.5



#64
Tetrachloroethene
Concen: 14.281 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion:	164	Resp:	29975
Ion	Ratio	Lower	Upper
164	100		
166	115.9	108.6	163.0
129	89.8	74.6	112.0
131	83.8	68.6	103.0

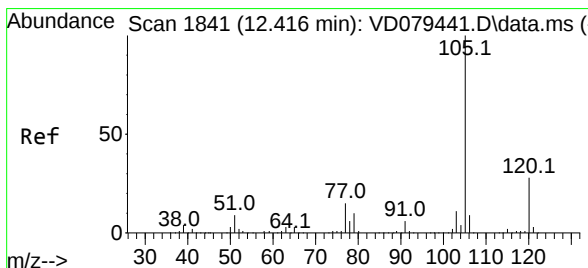
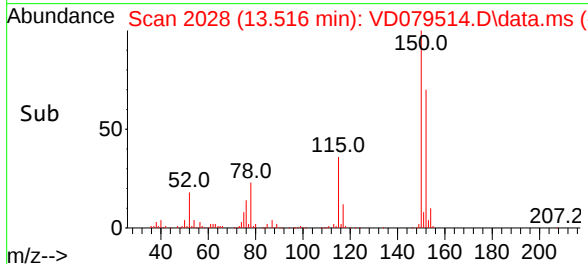
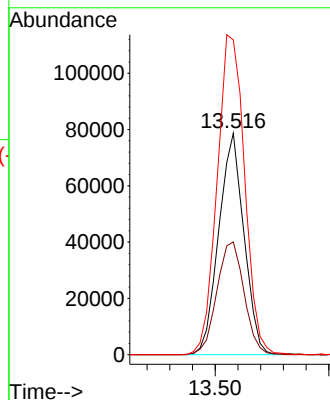
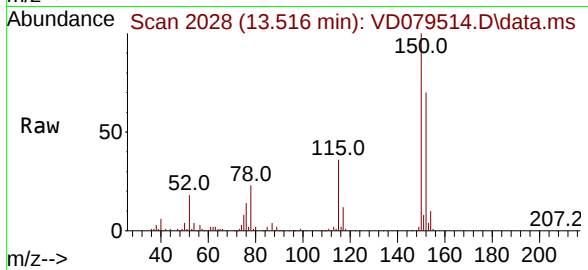




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

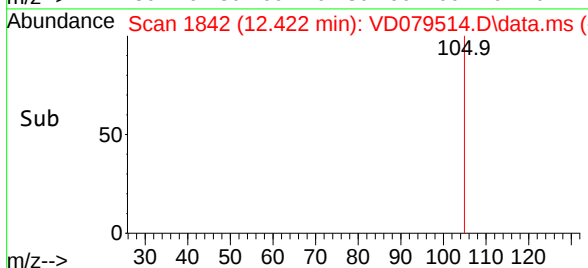
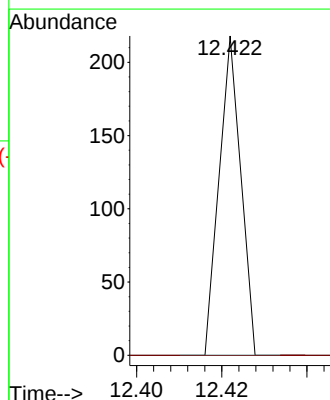
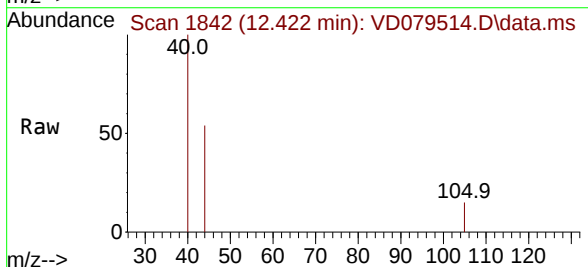
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FD

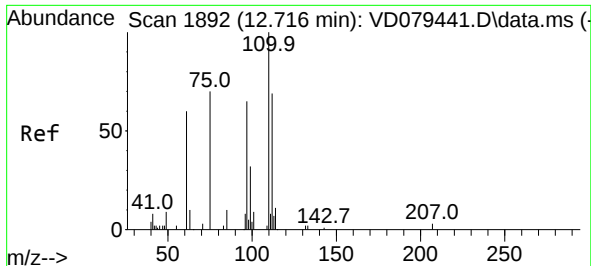
Tgt Ion:152 Resp: 121242
Ion Ratio Lower Upper
152 100
115 55.0 26.5 79.5
150 157.5 0.0 341.6



#73
Isopropylbenzene
Concen: 3.636 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion:105 Resp: 77
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

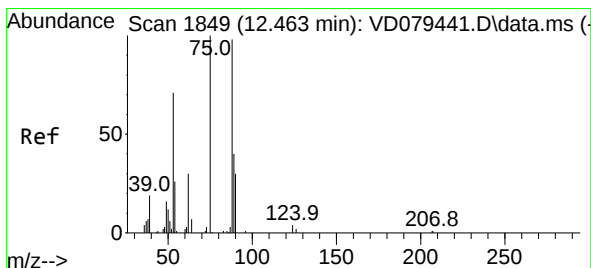
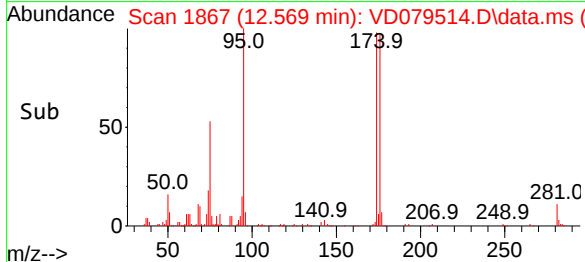
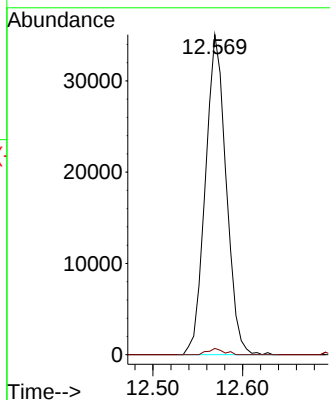
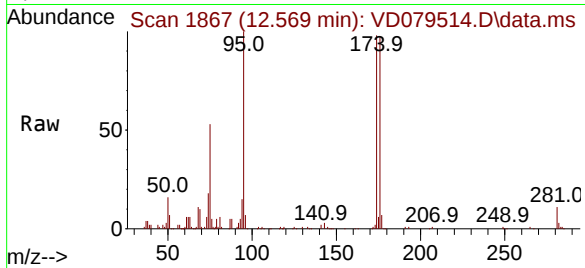




#76
1,2,3-Trichloropropane
Concen: 53.157 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

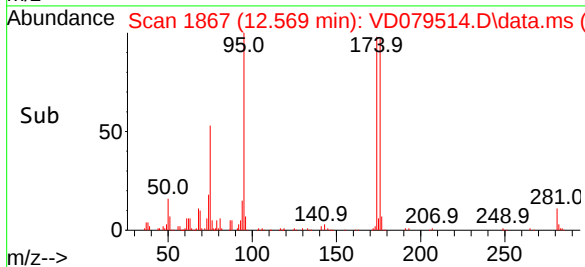
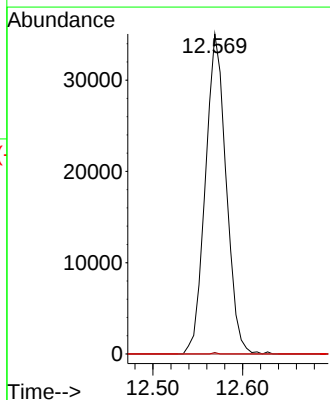
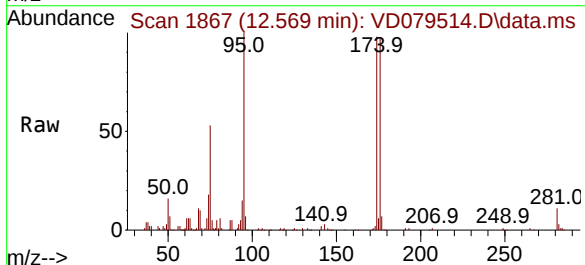
Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-13.5-14-072024-FD

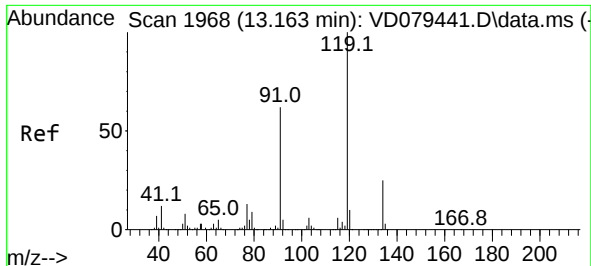
Tgt Ion: 75 Resp: 56334
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.384 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion: 75 Resp: 56334
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

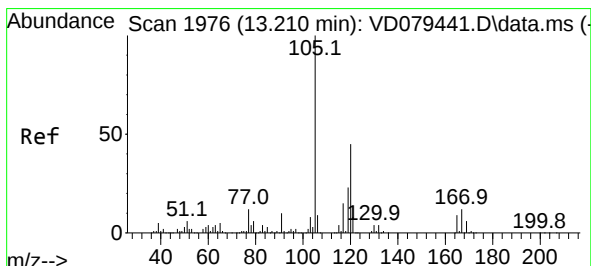
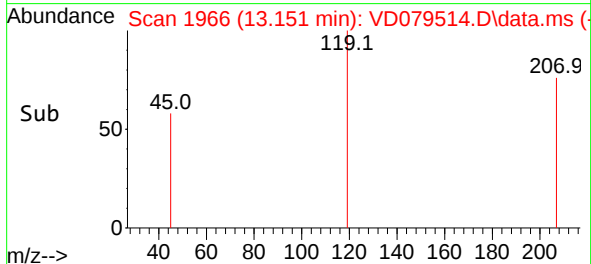
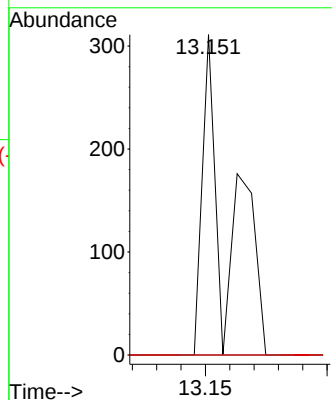
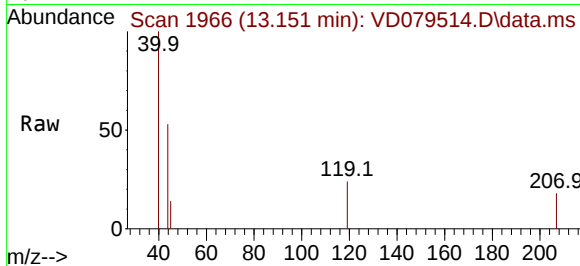




#83
tert-Butylbenzene
Concen: 3.660 ug/l
RT: 13.151 min Scan# 1966
Delta R.T. -0.012 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

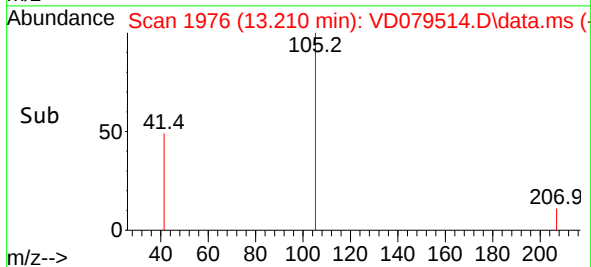
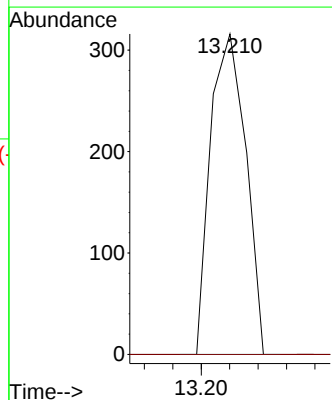
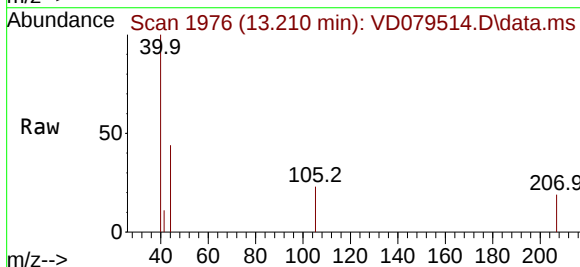
Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-13.5-14-072024-FD

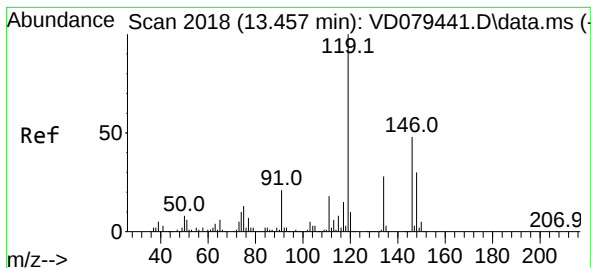
Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.2	84.7#
134	0.0	13.4	40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.462 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079514.D
Acq: 01 Aug 2024 01:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	71.0#





#86

p-Isopropyltoluene

Concen: 3.895 ug/l

RT: 13.451 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD079514.D

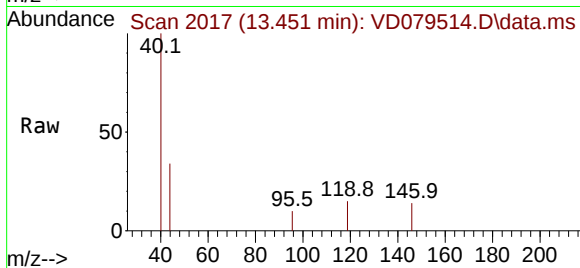
Acq: 01 Aug 2024 01:20

Instrument :

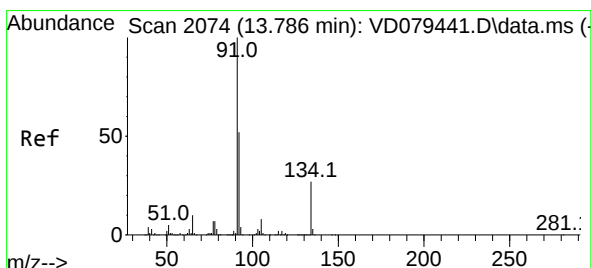
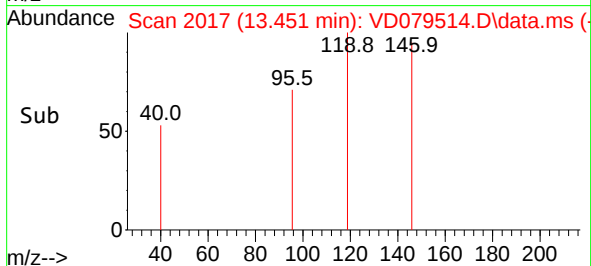
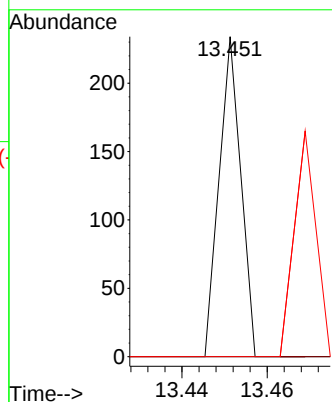
MSVOA_D

ClientSampleId :

S-861-K2-SO-13.5-14-072024-FD



Tgt Ion:	119	Resp:	83
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	69.9	10.7	32.1#



#89

n-Butylbenzene

Concen: 3.802 ug/l

RT: 13.792 min Scan# 2075

Delta R.T. 0.011 min

Lab File: VD079514.D

Acq: 01 Aug 2024 01:20

Tgt Ion:	91	Resp:	164
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

