

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080124\
 Data File : VD079533.D
 Acq On : 01 Aug 2024 18:45
 Operator : RP/MD
 Sample : P3374-10
 Misc : 7.54G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-862-K2-SO-12.75-13.25-072024RE

Quant Time: Aug 02 01:32:12 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)

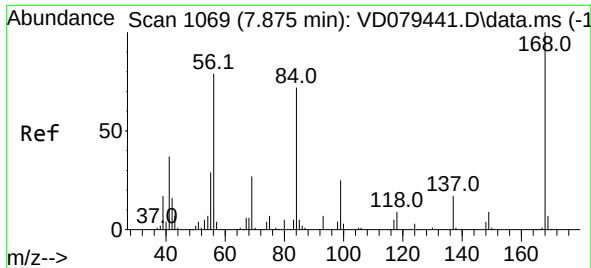
Internal Standards						
1) Pentafluorobenzene	7.875	168	13195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	29974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	43750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	22294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	39257	292.856	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 585.720%#	
35) Dibromofluoromethane	7.804	113	22270	109.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 219.540%#	
50) Toluene-d8	10.269	98	41612	52.817	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.640%	
62) 4-Bromofluorobenzene	12.569	95	19078	83.680	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 167.360%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	377	1.979	ug/l #	40
5) Bromomethane	2.693	94	342	Below Cal	#	1
11) Tert butyl alcohol	5.105	59	57	Below Cal	#	86
16) Acetone	4.022	43	2258	86.675	ug/l	97
17) Carbon Disulfide	4.263	76	1408	2.992	ug/l #	76
20) Methylene Chloride	4.805	84	8578	42.944	ug/l	93
25) 2-Butanone	7.075	43	111	3.005	ug/l #	42
27) cis-1,2-Dichloroethene	7.081	96	2638	14.410	ug/l	97
29) Tetrahydrofuran	7.434	42	177	7.733	ug/l #	21
36) 1,1-Dichloropropene	7.887	75	1081	3.904	ug/l #	39
38) Carbon Tetrachloride	7.881	117	1342	4.610	ug/l #	13
41) Methacrylonitrile	7.457	41	201	3.219	ug/l #	12
44) Trichloroethene	9.028	130	5638	25.752	ug/l	95
73) Isopropylbenzene	12.569	105	68	3.665	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	9459	48.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	9459	92.578	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.222	105	648	3.860	ug/l #	29
86) p-Isopropyltoluene	13.457	119	212	4.011	ug/l #	51
89) n-Butylbenzene	13.792	91	202	3.912	ug/l #	34
95) Naphthalene	15.333	128	1881	2.606	ug/l #	70

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

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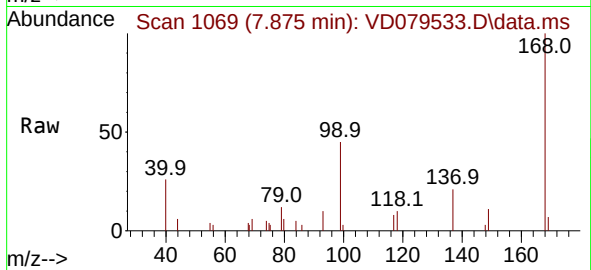
The chromatogram displays a series of peaks corresponding to different chemical compounds. The y-axis represents Abundance, ranging from 0 to 260,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Approximate Retention Time (min)
Chloromethane, P	2.00
Acetone, T	4.00
Carbon Disulfide, T	4.50
Methylene Chloride, T	4.80
1,2-Dichloroethane, T	7.00
1,1,1-Trichloroethane, T	7.50
1,1,2,2-Tetrafluoroethane, S	7.80
1,2-Dichloroethane-d4, S	8.20
1,4-Difluorobenzene, I	8.80
Trichloroethene, TM	9.20
Toluene-d8, S	10.50
Chlorobenzene-d5, I	11.50
1,2,4-Trimethylbenzene, T	13.00
p-Isopropyltoluene, T	13.50
n-Butylbenzene, T	14.00
Naphthalene, T	15.50

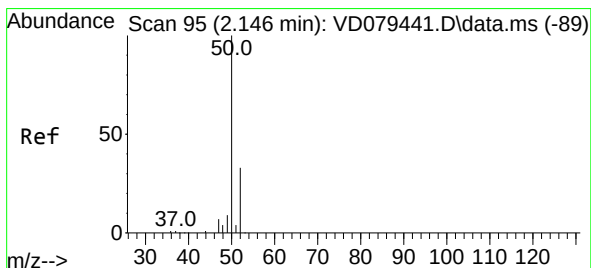
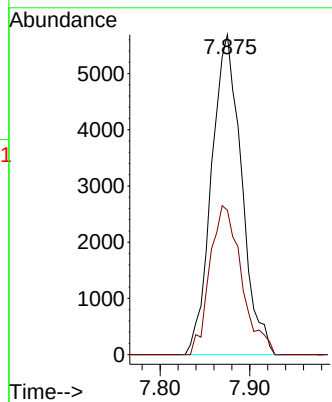
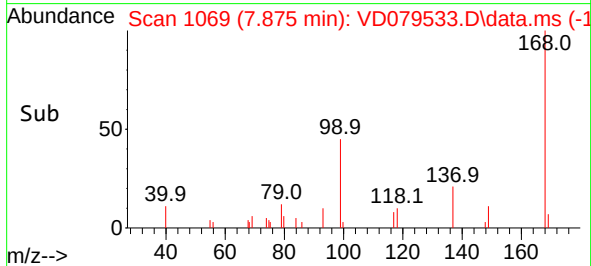


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

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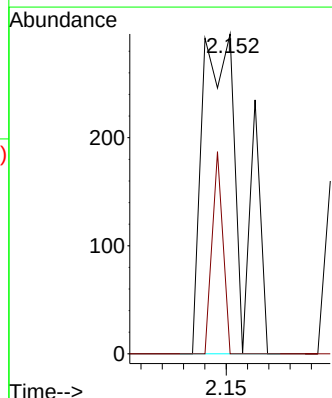
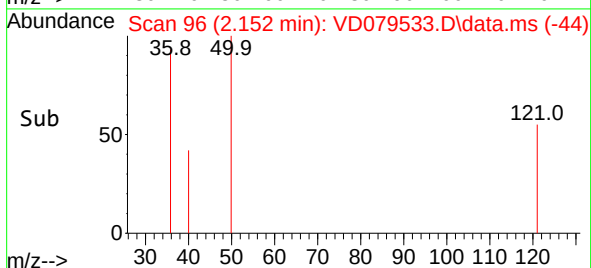
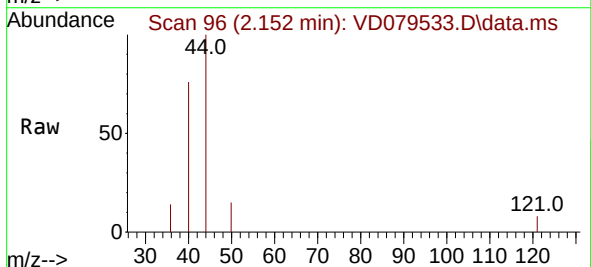


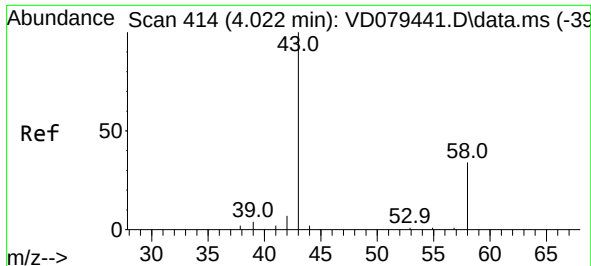
Tgt Ion:168 Resp: 13195
Ion Ratio Lower Upper
168 100
99 45.1 41.1 61.7



#3
Chloromethane
Concen: 1.979 ug/l
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#

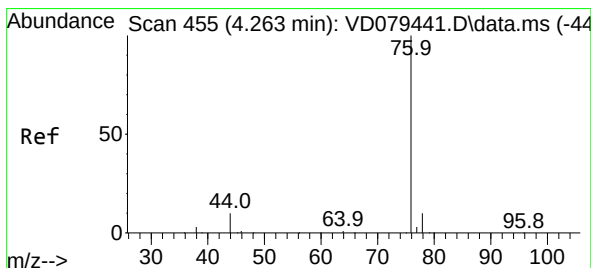
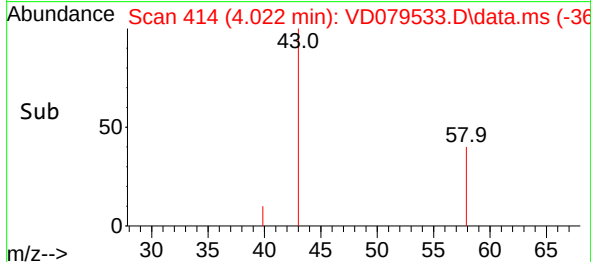
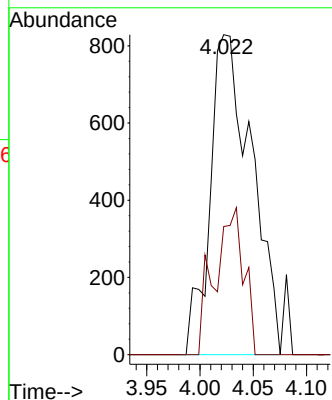
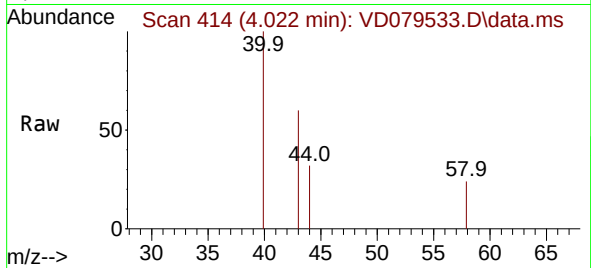




#16
Acetone
Concen: 86.675 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

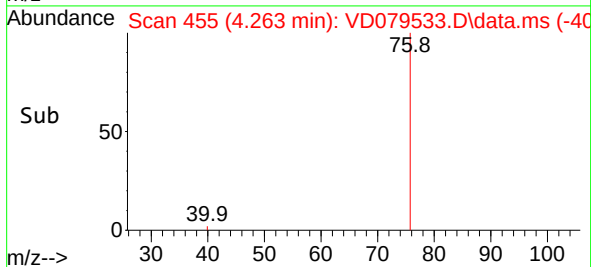
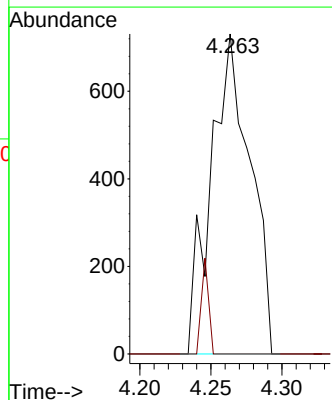
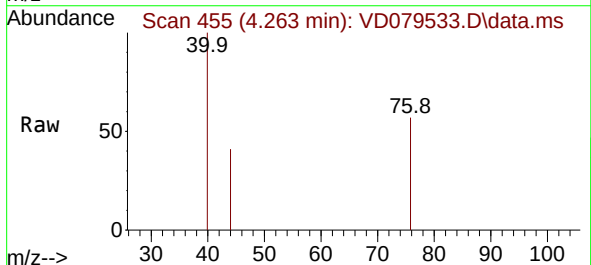
Instrument : MSVOA_D
ClientSampleId : S-862-K2-SO-12.75-13.25-072024RE

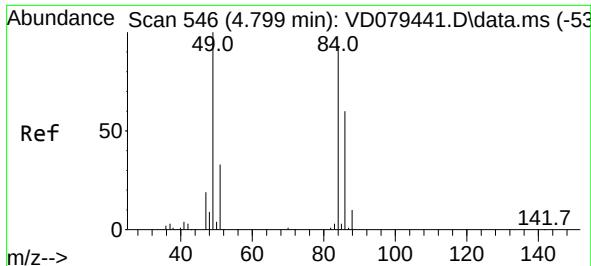
Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
58 40.0 30.4 45.6



#17
Carbon Disulfide
Concen: 2.992 ug/l
RT: 4.263 min Scan# 455
Delta R.T. -0.000 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion: 76 Resp: 1408
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

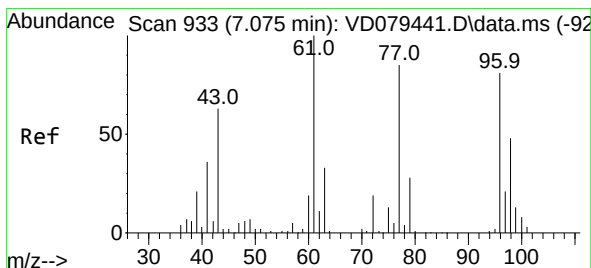
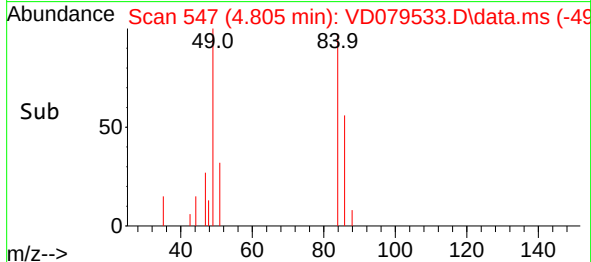
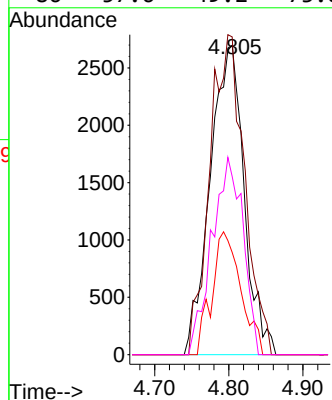
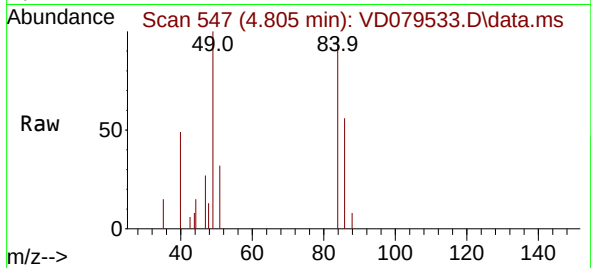




#20
Methylene Chloride
Concen: 42.944 ug/l
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

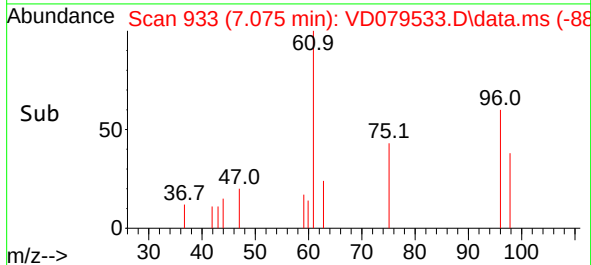
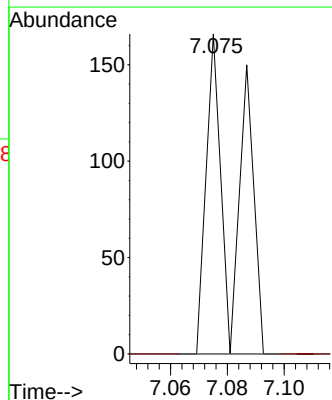
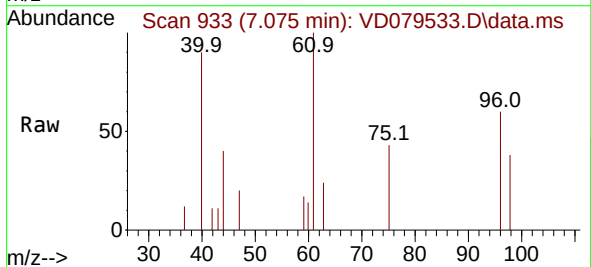
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12.75-13.25-072024RE

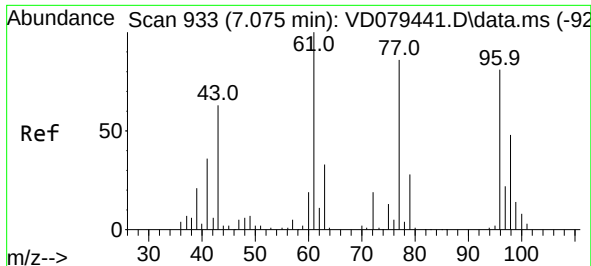
Tgt Ion:	84	Resp:	8578
Ion	Ratio	Lower	Upper
84	100		
49	102.7	75.6	113.4
51	33.0	24.2	36.2
86	57.6	49.2	73.8



#25
2-Butanone
Concen: 3.005 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.018 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion:	43	Resp:	111
Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.4	39.6





#27

cis-1,2-Dichloroethene

Concen: 14.410 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD079533.D

Acq: 01 Aug 2024 18:45

Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-12.75-13.25-072024RE

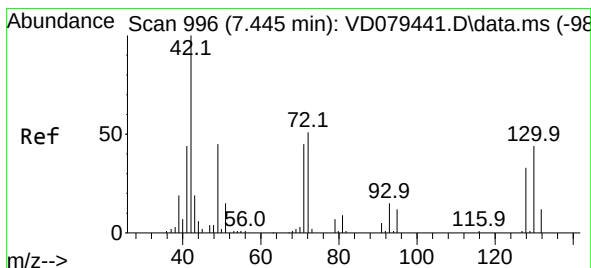
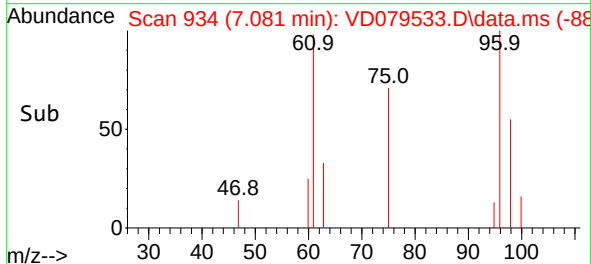
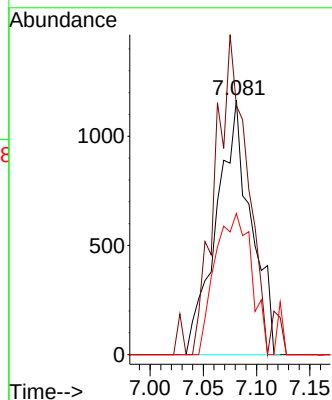
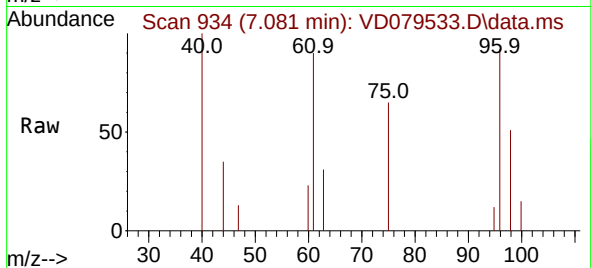
Tgt Ion: 96 Resp: 2638

Ion Ratio Lower Upper

96 100

61 115.0 0.0 229.0

98 58.5 0.0 127.2



#29

Tetrahydrofuran

Concen: 7.733 ug/l

RT: 7.434 min Scan# 994

Delta R.T. -0.012 min

Lab File: VD079533.D

Acq: 01 Aug 2024 18:45

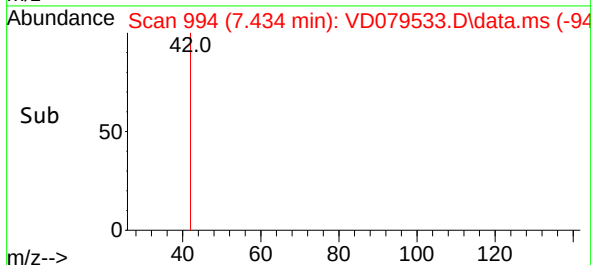
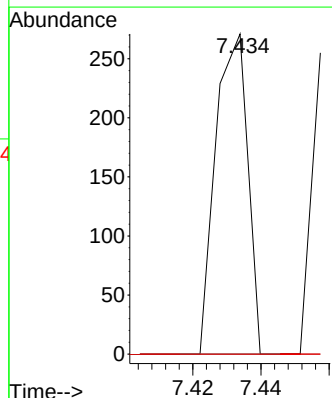
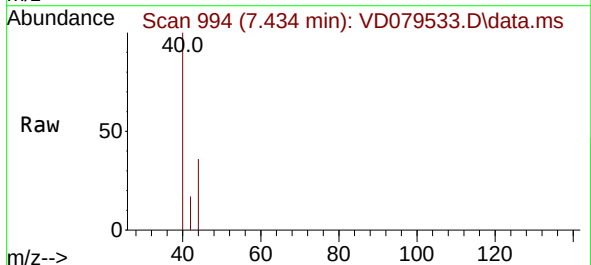
Tgt Ion: 42 Resp: 177

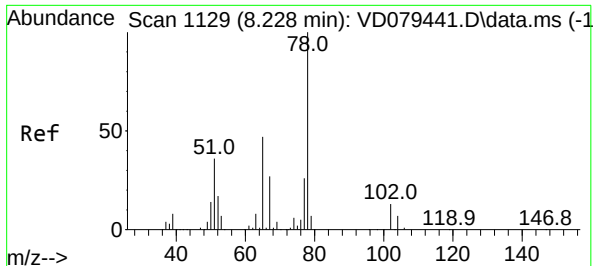
Ion Ratio Lower Upper

42 100

72 0.0 49.4 74.0#

71 0.0 45.0 67.6#





#33

1,2-Dichloroethane-d4

Concen: 292.856 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079533.D

Acq: 01 Aug 2024 18:45

Instrument :

MSVOA_D

ClientSampleId :

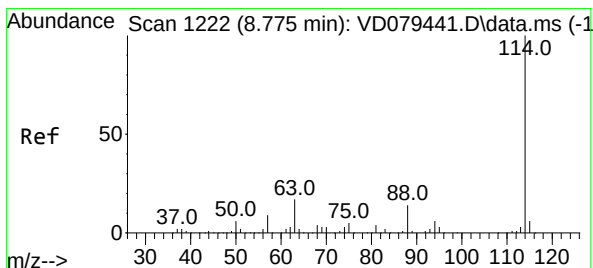
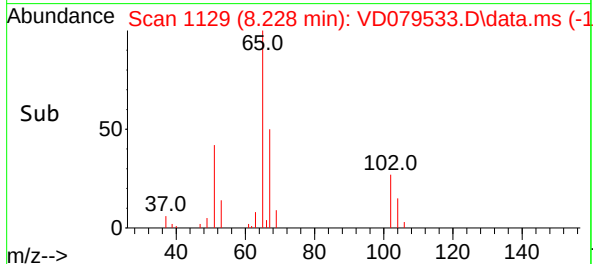
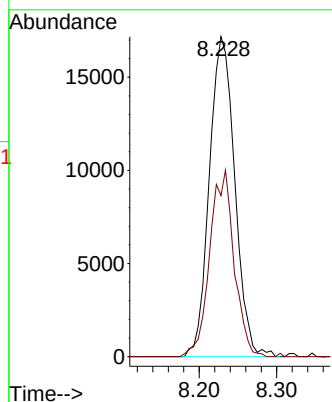
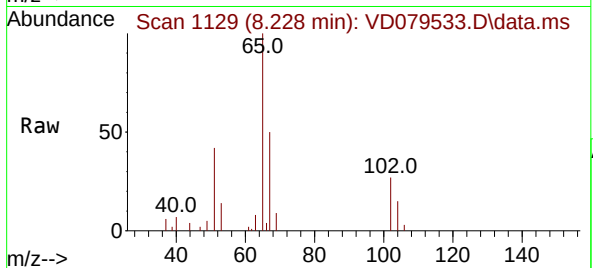
S-862-K2-SO-12.75-13.25-072024RE

Tgt Ion: 65 Resp: 39257

Ion Ratio Lower Upper

65 100

67 55.7 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: VD079533.D

Acq: 01 Aug 2024 18:45

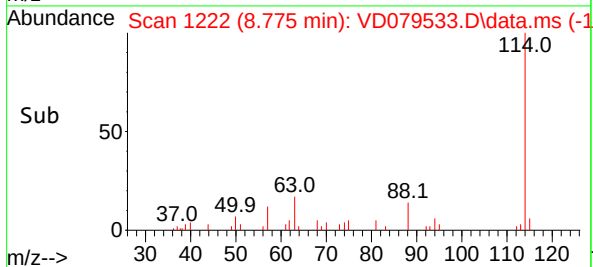
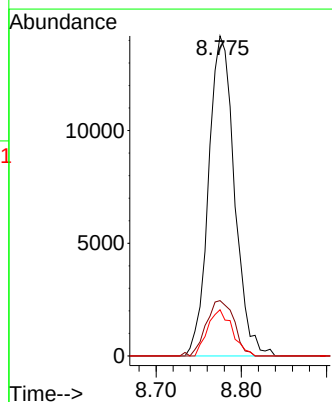
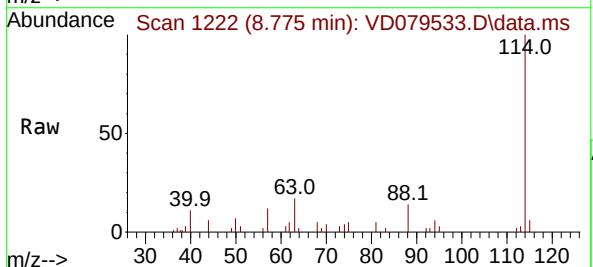
Tgt Ion: 114 Resp: 29974

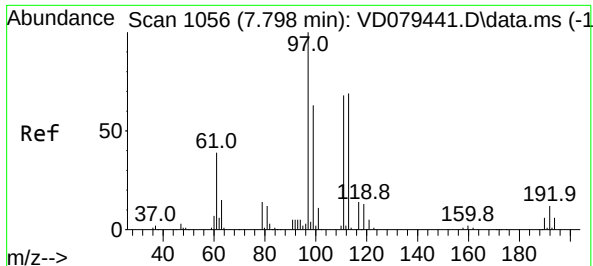
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.0

88 14.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 109.770 ug/l

RT: 7.804 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD079533.D

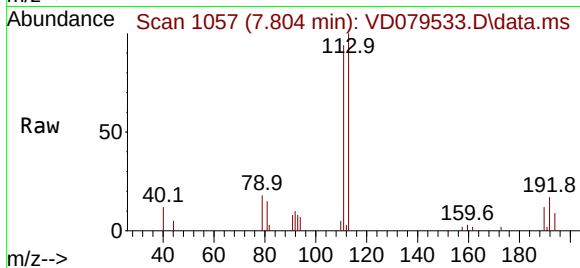
Acq: 01 Aug 2024 18:45

Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-12.75-13.25-072024RE



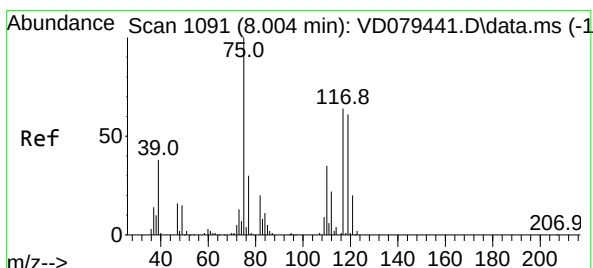
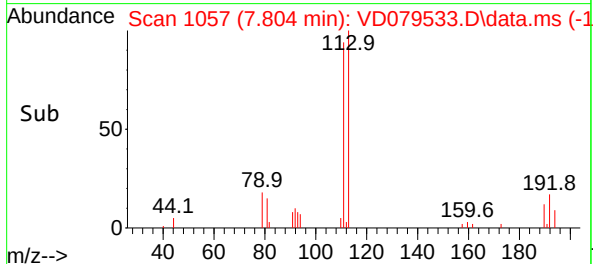
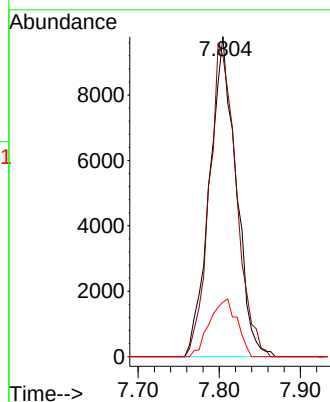
Tgt Ion:113 Resp: 22270

Ion Ratio Lower Upper

113 100

111 99.1 84.0 126.0

192 18.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 3.904 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.124 min

Lab File: VD079533.D

Acq: 01 Aug 2024 18:45

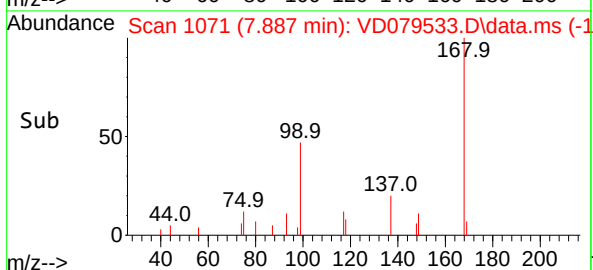
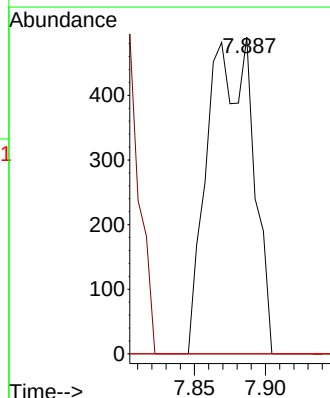
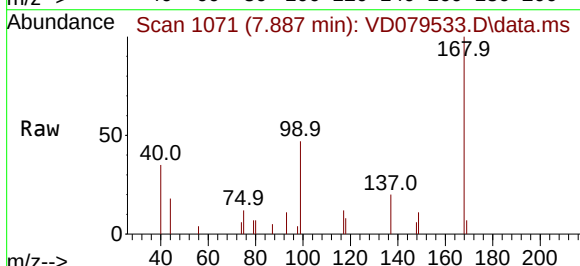
Tgt Ion: 75 Resp: 1081

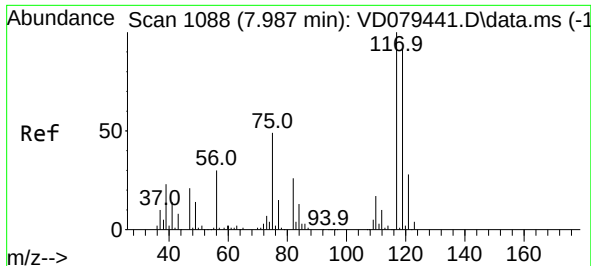
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

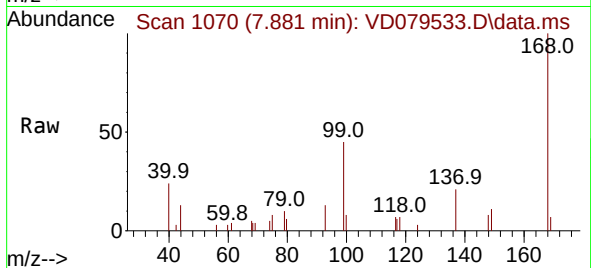
77 0.0 26.1 39.1#



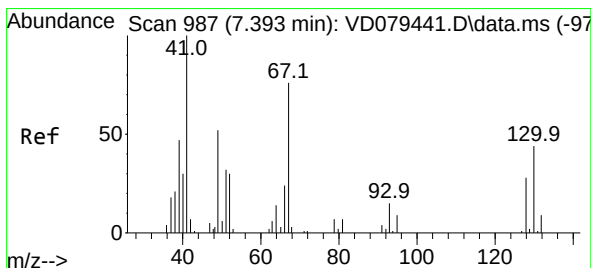
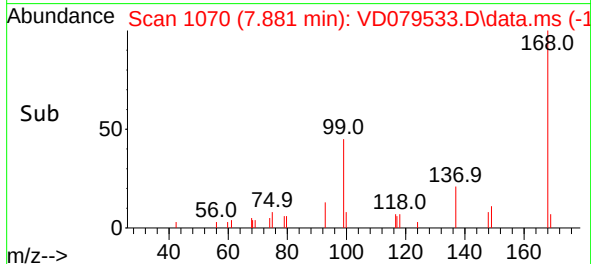
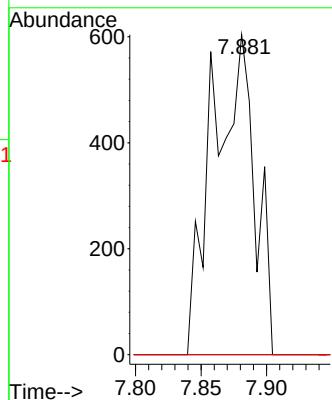


#38
Carbon Tetrachloride
Concen: 4.610 ug/l
RT: 7.881 min Scan# 10
Delta R.T. -0.106 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12.75-13.25-072024RE

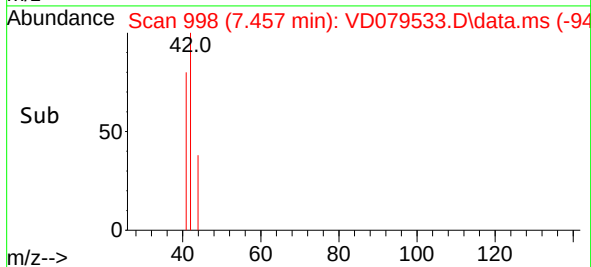
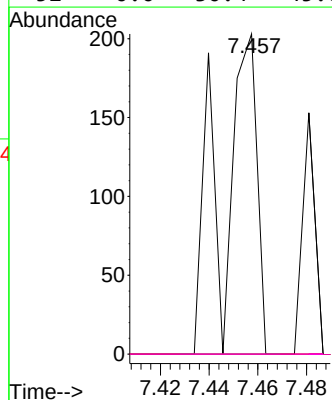
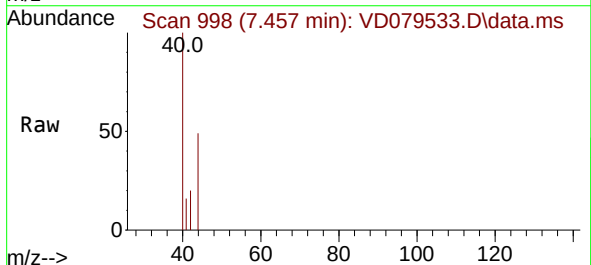


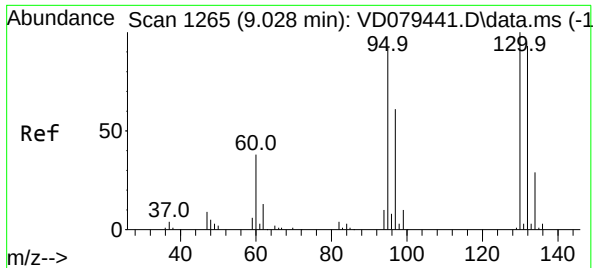
Tgt Ion:117 Resp: 1342
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



#41
Methacrylonitrile
Concen: 3.219 ug/l
RT: 7.457 min Scan# 998
Delta R.T. 0.041 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion: 41 Resp: 201
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#

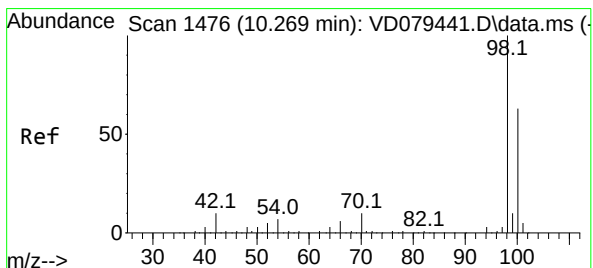
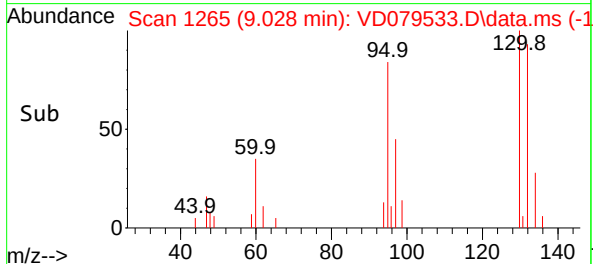
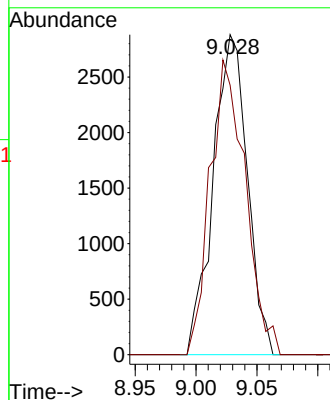
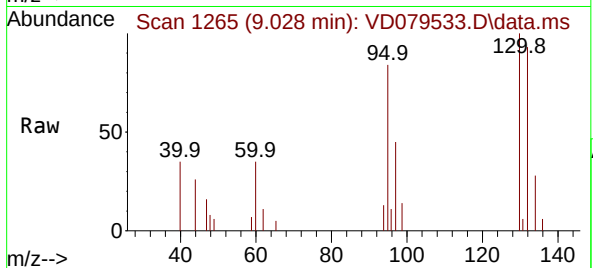




#44
Trichloroethene
Concen: 25.752 ug/l
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

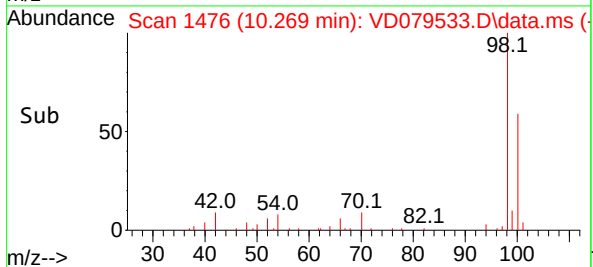
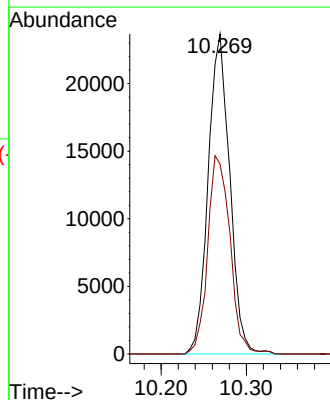
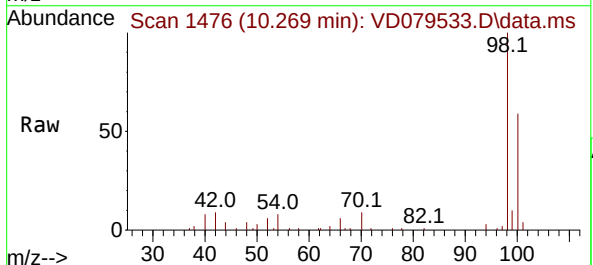
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12.75-13.25-072024RE

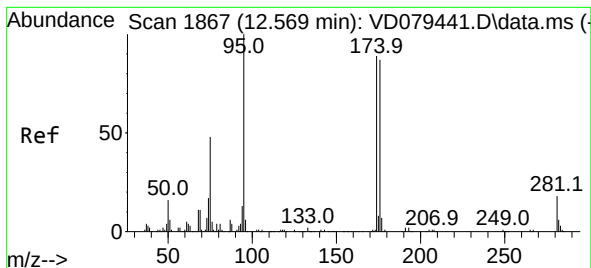
Tgt Ion:130 Resp: 5638
Ion Ratio Lower Upper
130 100
95 84.2 0.0 177.8



#50
Toluene-d8
Concen: 52.817 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion: 98 Resp: 41612
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

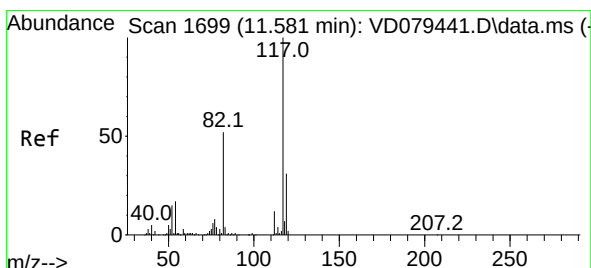
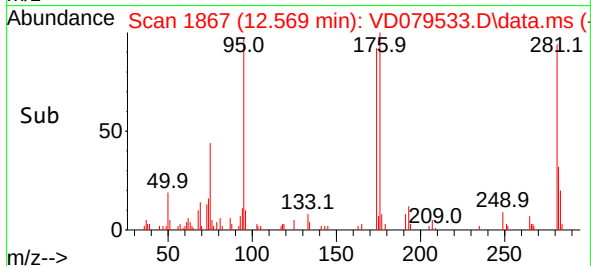
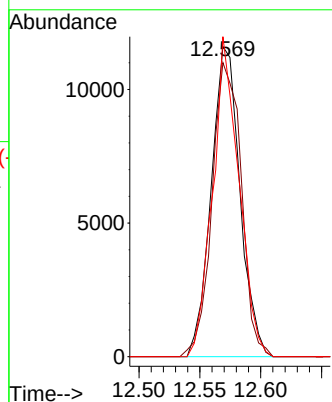
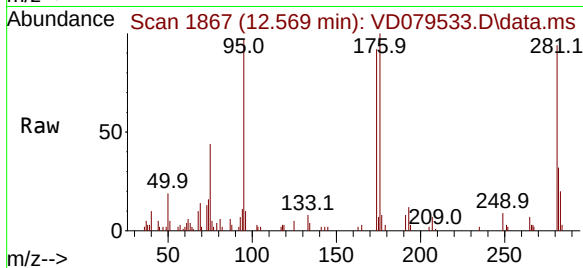




#62
4-Bromofluorobenzene
Concen: 83.680 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

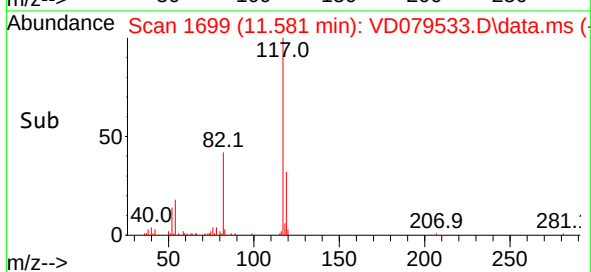
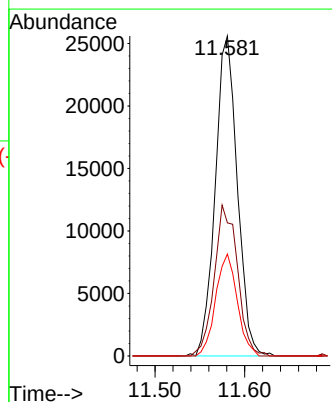
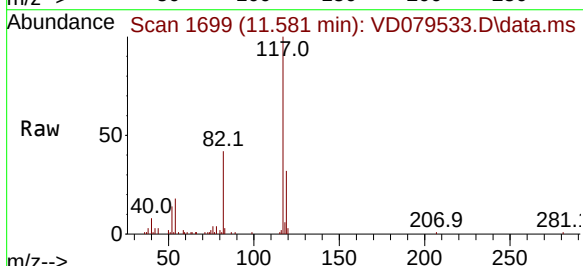
Instrument : MSVOA_D
ClientSampleId : S-862-K2-SO-12.75-13.25-072024RE

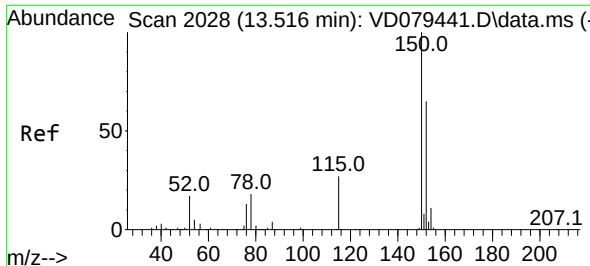
Tgt Ion:	95	Resp:	19078
Ion Ratio	Lower	Upper	
95	100		
174	96.4	0.0	195.4
176	94.5	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion:	117	Resp:	43750
Ion Ratio	Lower	Upper	
117	100		
82	41.6	39.8	59.6
119	31.9	25.7	38.5

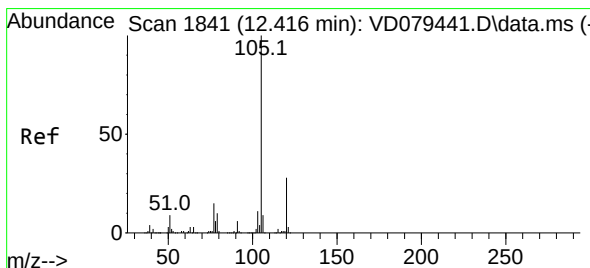
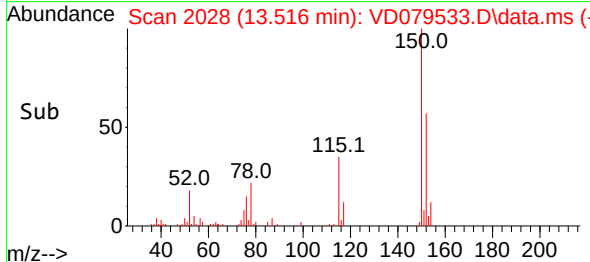
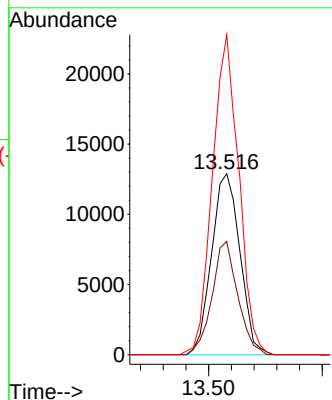
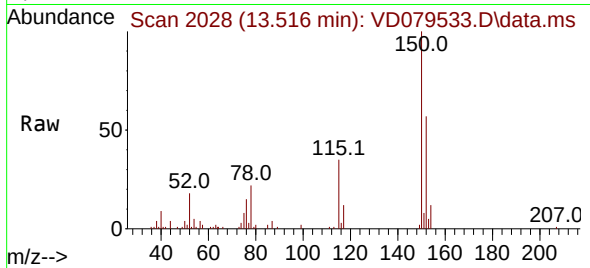




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

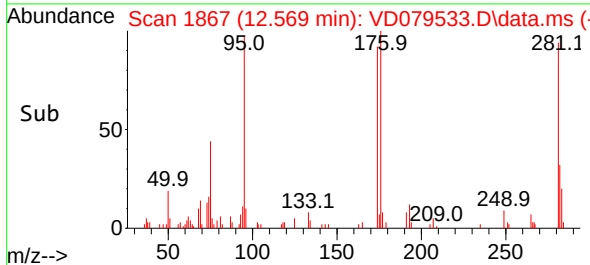
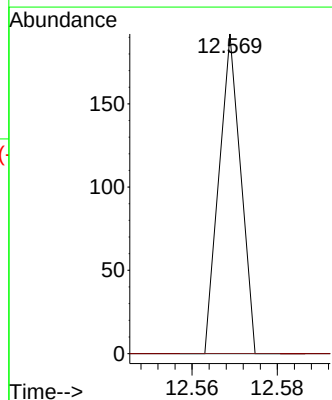
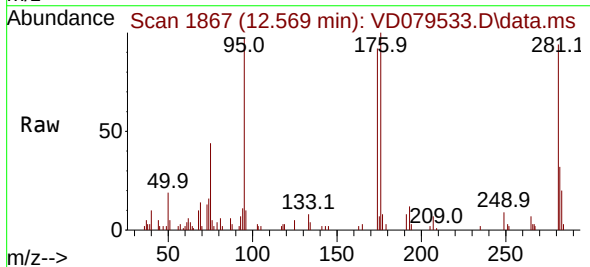
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12.75-13.25-072024RE

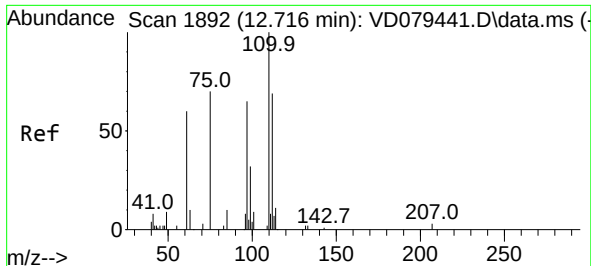
Tgt Ion:152 Resp: 22294
Ion Ratio Lower Upper
152 100
115 57.0 26.5 79.5
150 164.7 0.0 341.6



#73
Isopropylbenzene
Concen: 3.665 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.153 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion:105 Resp: 68
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

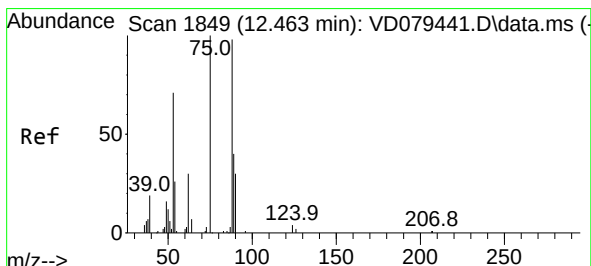
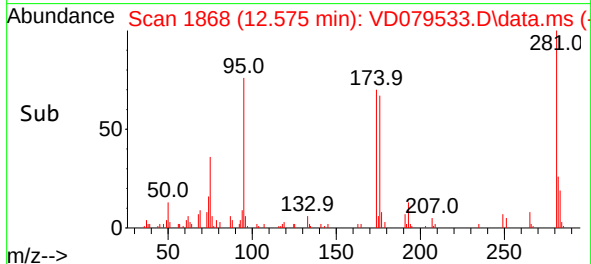
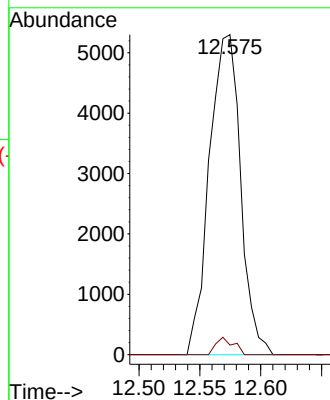
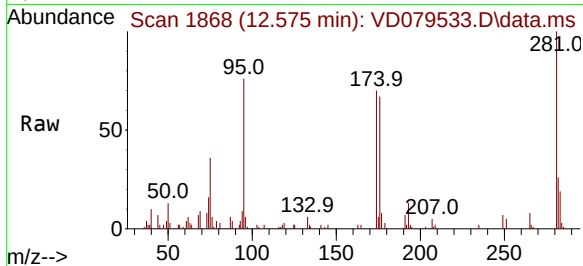




#76
1,2,3-Trichloropropane
Concen: 48.540 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

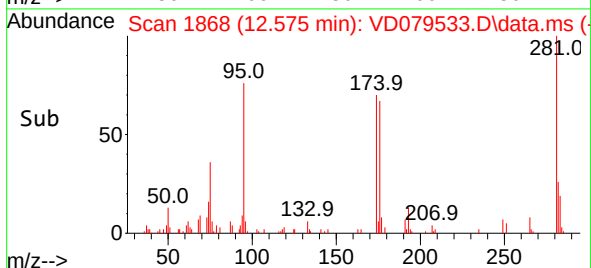
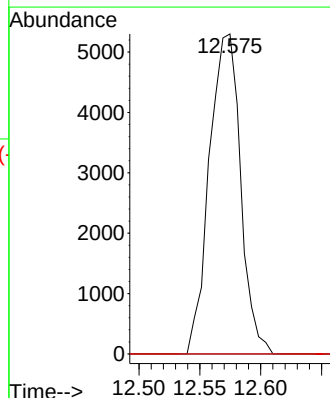
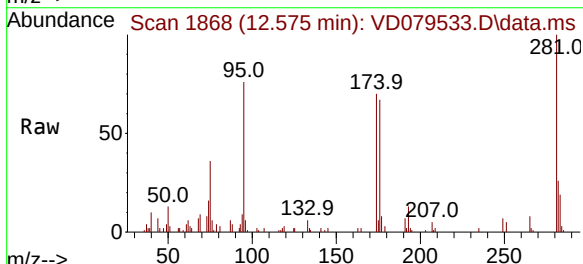
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12.75-13.25-072024RE

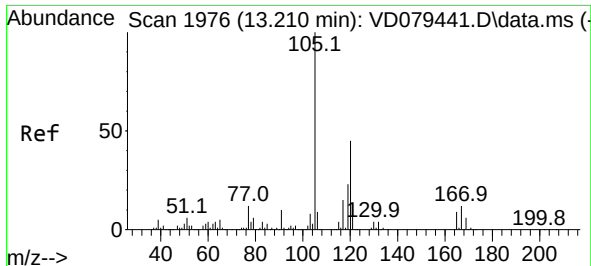
Tgt Ion: 75 Resp: 9459
Ion Ratio Lower Upper
75 100
77 3.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.578 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion: 75 Resp: 9459
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

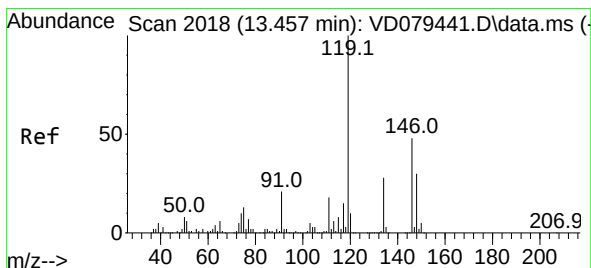
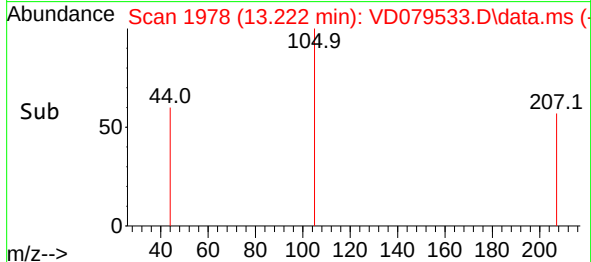
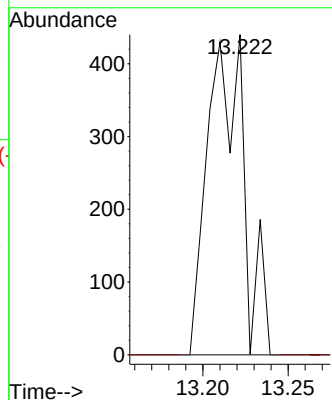
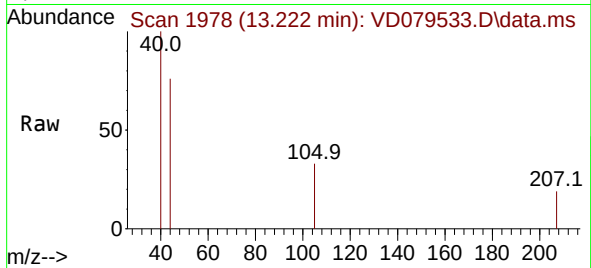




#84
1,2,4-Trimethylbenzene
Concen: 3.860 ug/l
RT: 13.222 min Scan# 1976
Delta R.T. 0.018 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

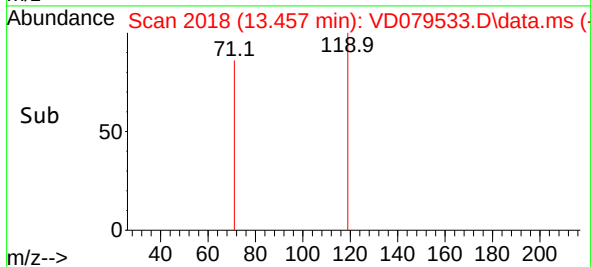
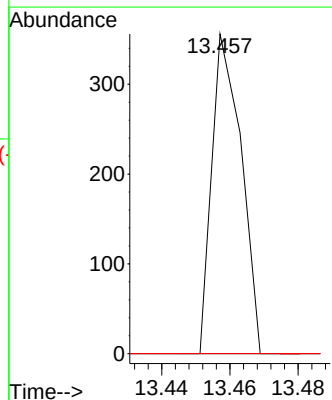
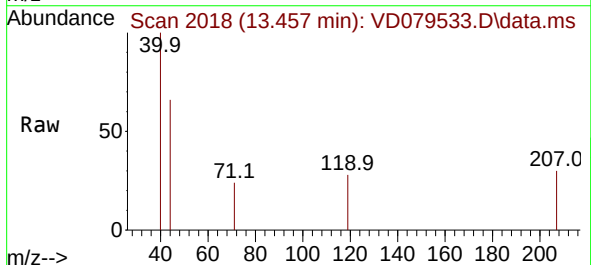
Instrument :
MSVOA_D
ClientSampleId :
S-862-K2-SO-12.75-13.25-072024RE

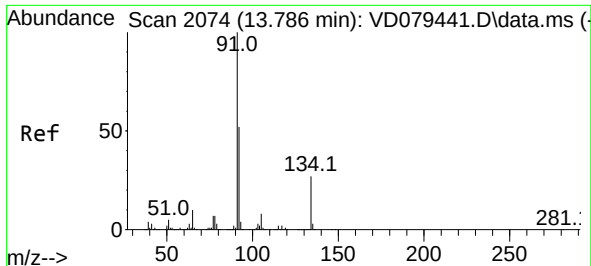
Tgt Ion:105 Resp: 648
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#86
p-Isopropyltoluene
Concen: 4.011 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079533.D
Acq: 01 Aug 2024 18:45

Tgt Ion:119 Resp: 212
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#





#89

n-Butylbenzene

Concen: 3.912 ug/l

RT: 13.792 min Scan# 2074

Delta R.T. 0.011 min

Lab File: VD079533.D

Acq: 01 Aug 2024 18:45

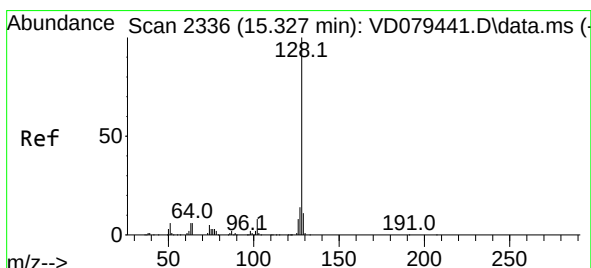
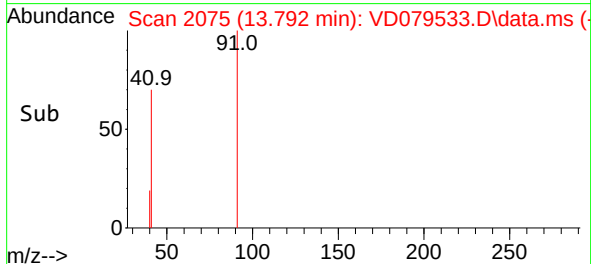
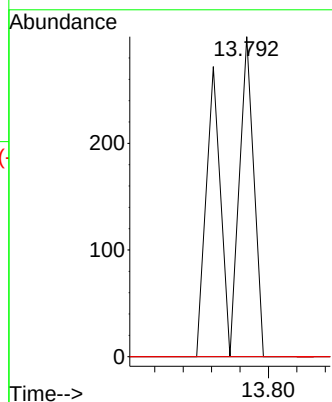
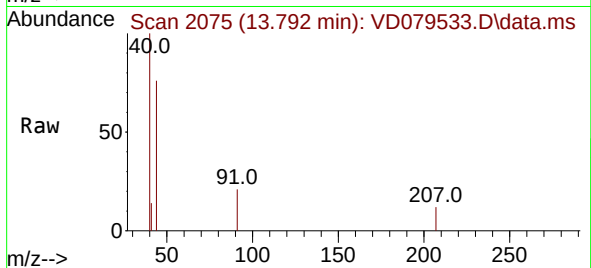
Instrument :

MSVOA_D

ClientSampleId :

S-862-K2-SO-12.75-13.25-072024RE

Tgt Ion:	91	Resp:	202
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#



#95

Naphthalene

Concen: 2.606 ug/l

RT: 15.333 min Scan# 2337

Delta R.T. 0.005 min

Lab File: VD079533.D

Acq: 01 Aug 2024 18:45

Tgt Ion:	128	Resp:	1881
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.5	12.7#

