

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079520.D
 Acq On : 01 Aug 2024 04:03
 Operator : RP/MD
 Sample : P3374-18
 Misc : 7.41G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-863-K2-SO-12.75-13.25-072024

Quant Time: Aug 01 04:49:28 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)

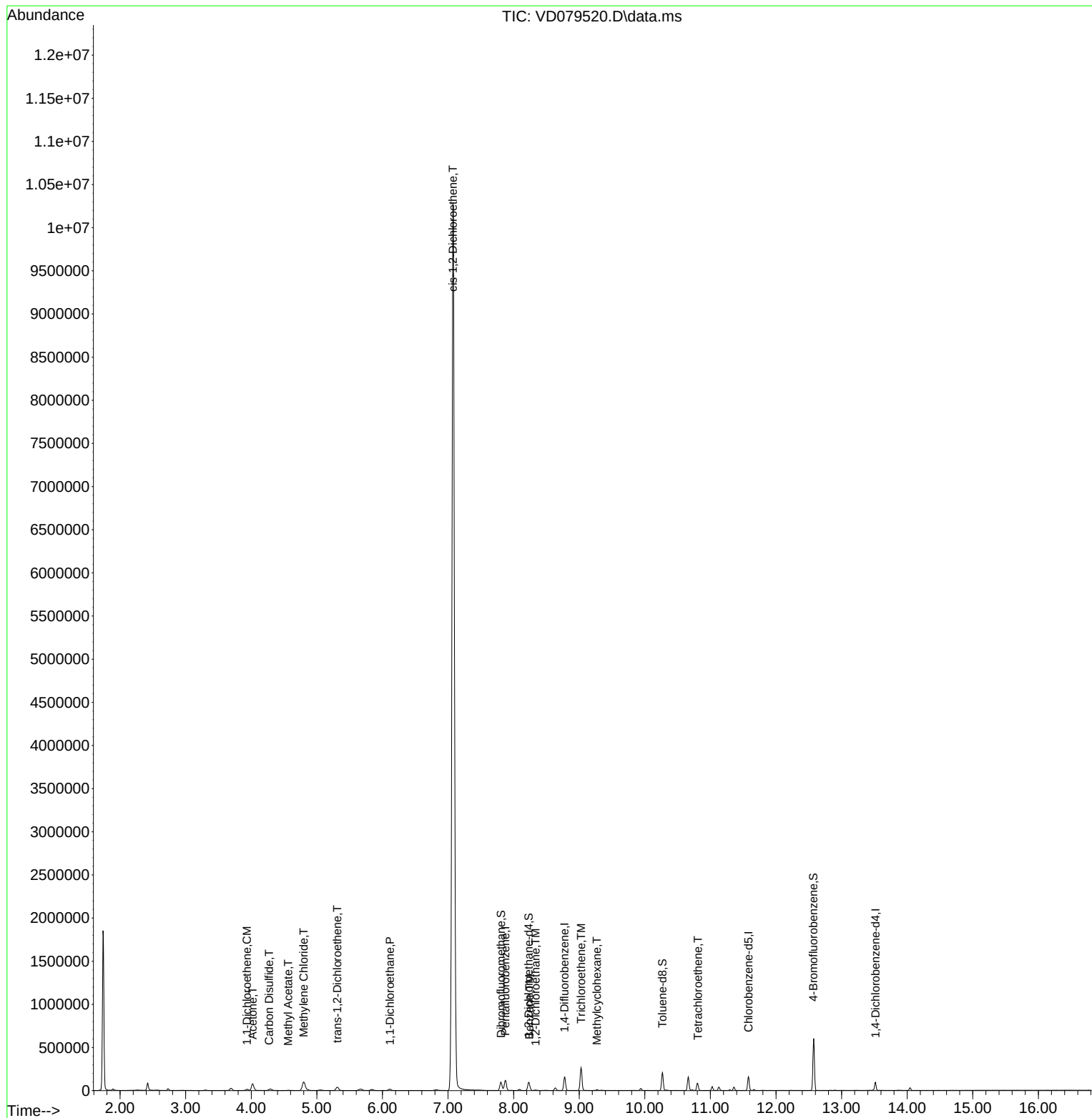
Internal Standards						
1) Pentafluorobenzene	7.875	168	91017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	145073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	99183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	27592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72233	78.120	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	156.240%
35) Dibromofluoromethane	7.811	113	70621	71.921	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	143.840%
50) Toluene-d8	10.269	98	153652	40.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.600%
62) 4-Bromofluorobenzene	12.569	95	30176	27.347	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.700%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.934	96	8626	8.771	ug/l	91
16) Acetone	4.023	43	127776	711.061	ug/l	96
17) Carbon Disulfide	4.270	76	6626	2.041	ug/l	97
18) Methyl Acetate	4.564	43	6404	11.478	ug/l #	78
20) Methylene Chloride	4.799	84	81567	64.358	ug/l	89
21) trans-1,2-Dichloroethene	5.311	96	26431	23.925	ug/l	87
24) 1,1-Dichloroethane	6.117	63	23987	12.388	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	6667392	5279.940	ug/l	99
39) Methylcyclohexane	9.269	83	3799	2.376	ug/l #	70
40) Benzene	8.240	78	6799	1.597	ug/l #	81
42) 1,2-Dichloroethane	8.334	62	2464	2.429	ug/l	79
44) Trichloroethene	9.028	130	102139	96.389	ug/l	90
64) Tetrachloroethene	10.810	164	8608	12.871	ug/l	90

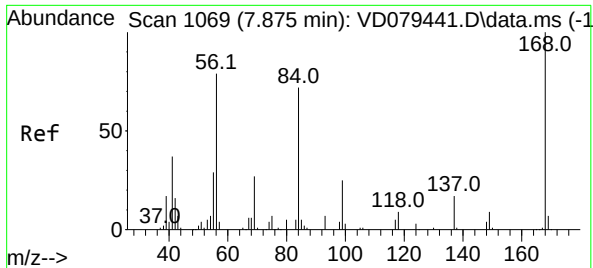
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

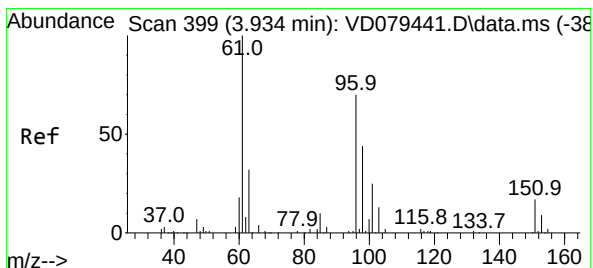
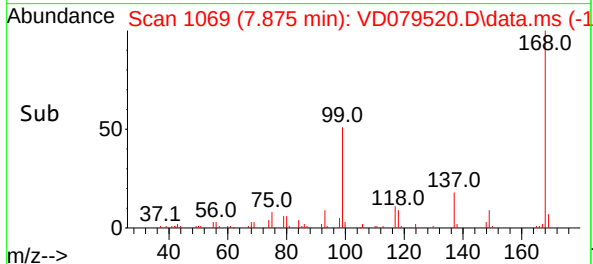
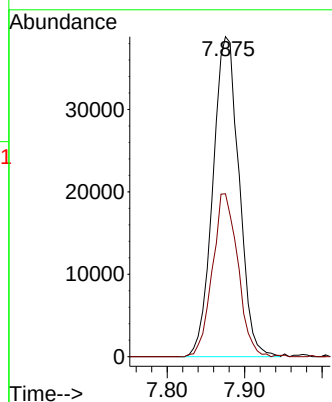
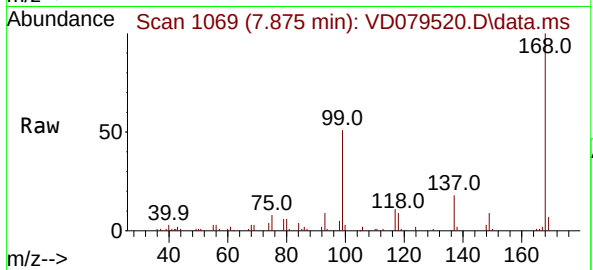




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

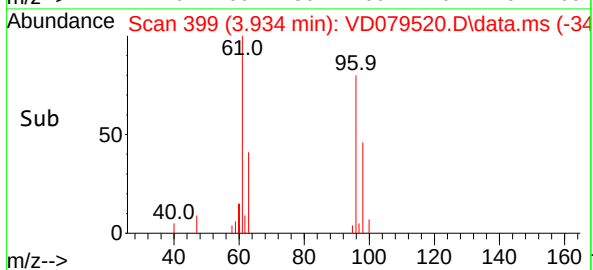
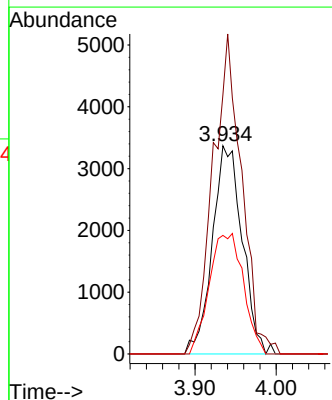
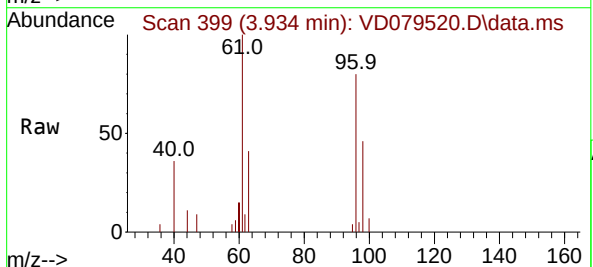
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024

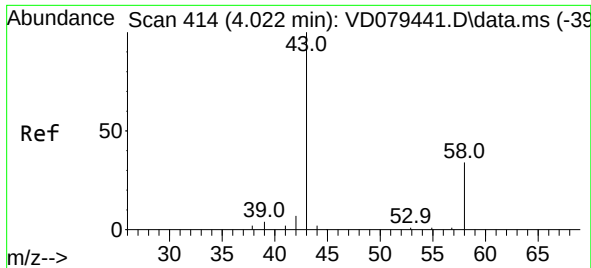
Tgt Ion:168 Resp: 91017
Ion Ratio Lower Upper
168 100
99 50.9 41.1 61.7



#12
1,1-Dichloroethene
Concen: 8.771 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.006 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

Tgt Ion: 96 Resp: 8626
Ion Ratio Lower Upper
96 100
61 124.7 107.3 160.9
98 57.0 51.7 77.5

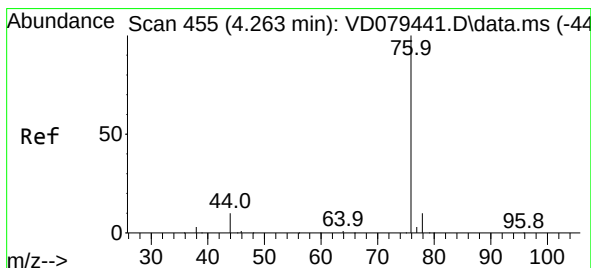
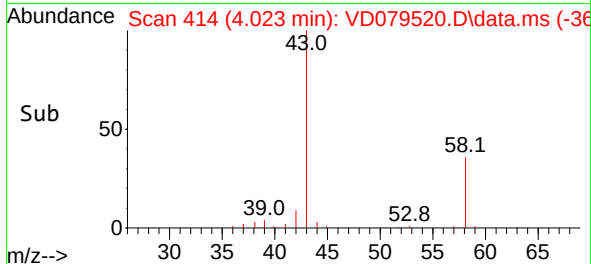
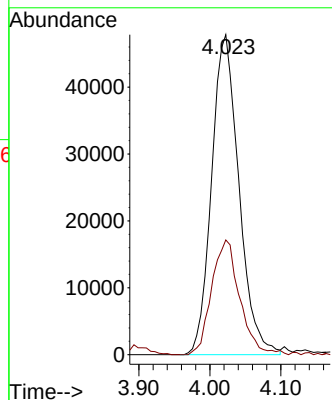
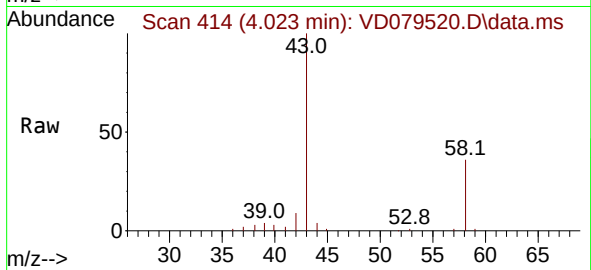




#16
Acetone
Concen: 711.061 ug/l
RT: 4.023 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

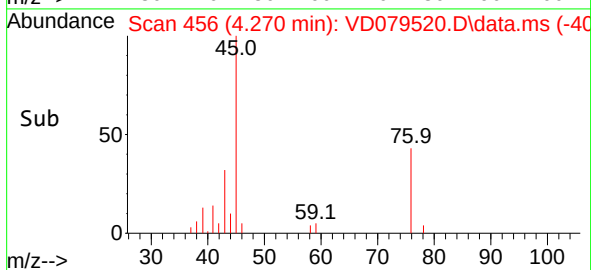
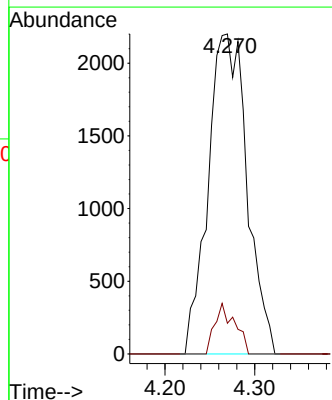
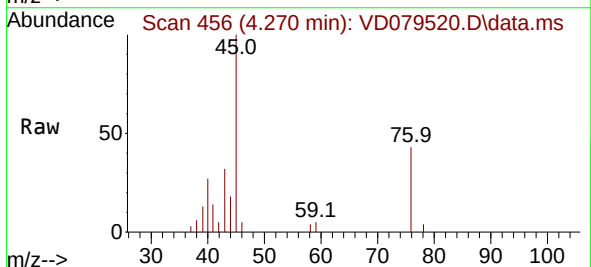
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024

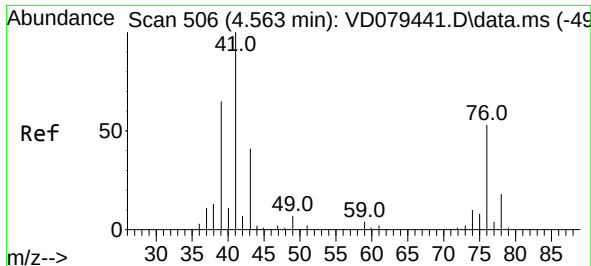
Tgt Ion: 43 Resp: 127776
Ion Ratio Lower Upper
43 100
58 35.8 30.4 45.6



#17
Carbon Disulfide
Concen: 2.041 ug/l
RT: 4.270 min Scan# 456
Delta R.T. 0.006 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

Tgt Ion: 76 Resp: 6626
Ion Ratio Lower Upper
76 100
78 9.6 6.9 10.3

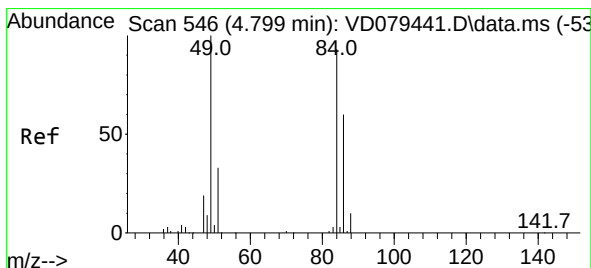
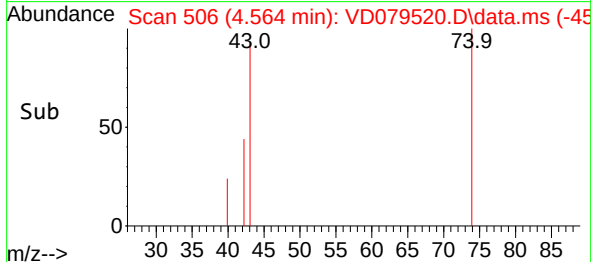
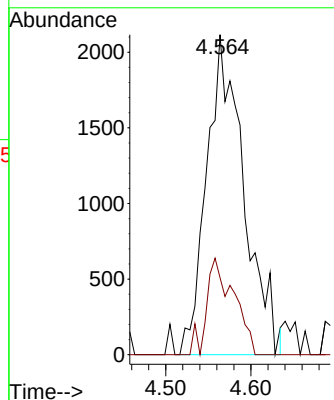
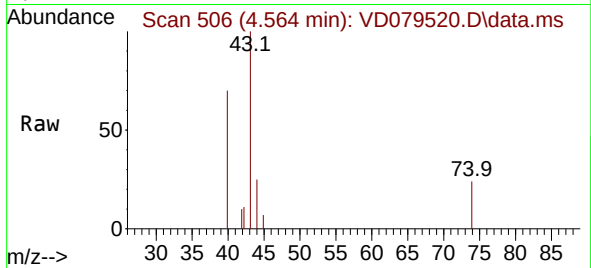




#18
Methyl Acetate
Concen: 11.478 ug/l
RT: 4.564 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

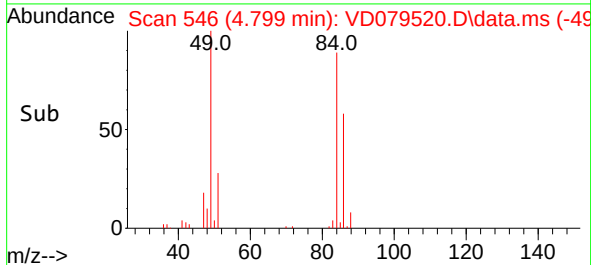
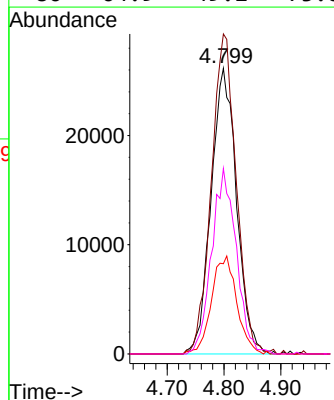
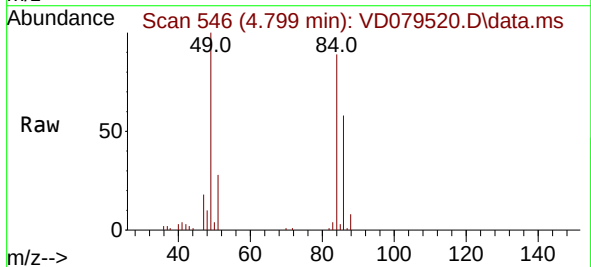
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024

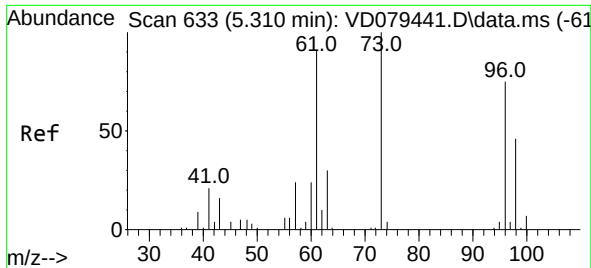
Tgt Ion: 43 Resp: 6404
Ion Ratio Lower Upper
43 100
74 22.2 28.1 42.1#



#20
Methylene Chloride
Concen: 64.358 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

Tgt Ion: 84 Resp: 81567
Ion Ratio Lower Upper
84 100
49 112.0 75.6 113.4
51 31.6 24.2 36.2
86 64.9 49.2 73.8

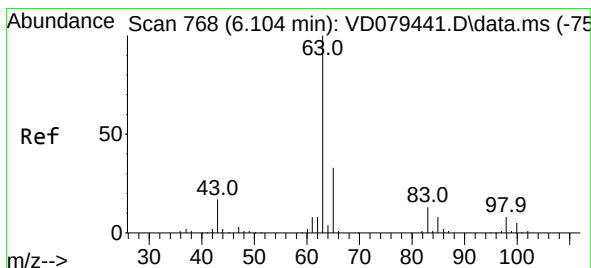
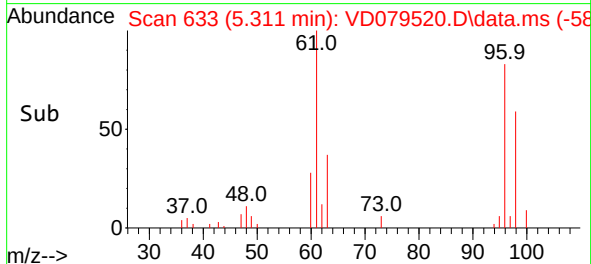
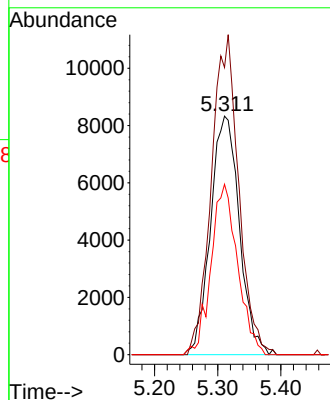
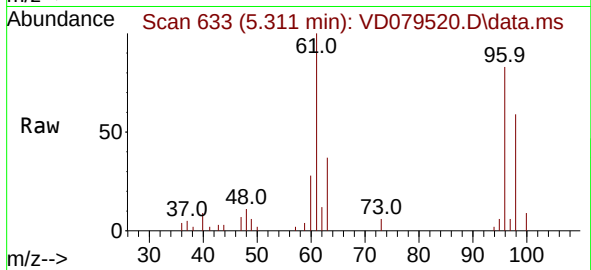




#21
trans-1,2-Dichloroethene
Concen: 23.925 ug/l
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

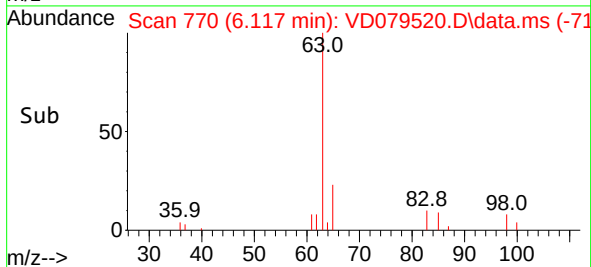
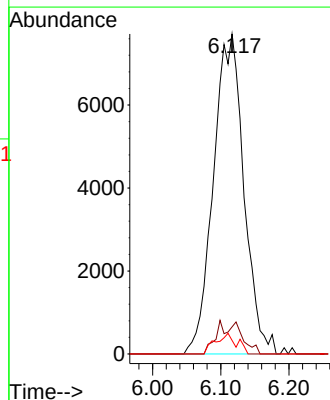
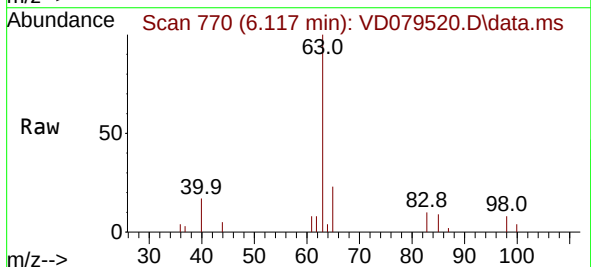
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024

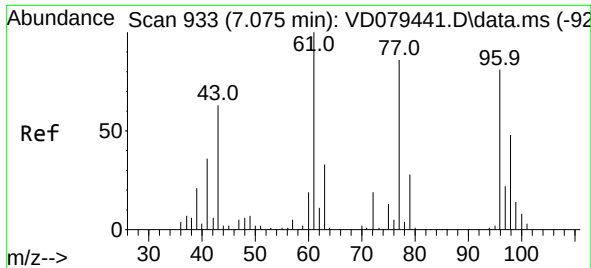
Tgt Ion: 96 Resp: 26431
Ion Ratio Lower Upper
96 100
61 120.4 84.5 126.7
98 71.4 50.5 75.7



#24
1,1-Dichloroethane
Concen: 12.388 ug/l
RT: 6.117 min Scan# 770
Delta R.T. 0.012 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

Tgt Ion: 63 Resp: 23987
Ion Ratio Lower Upper
63 100
98 8.5 4.7 14.0
100 4.2 2.9 8.6



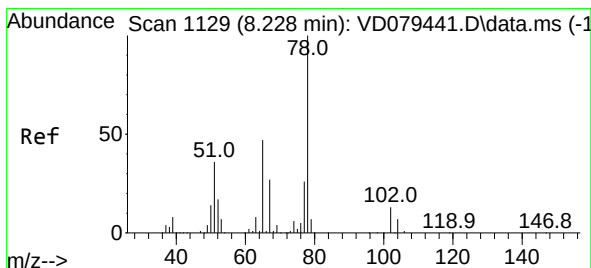
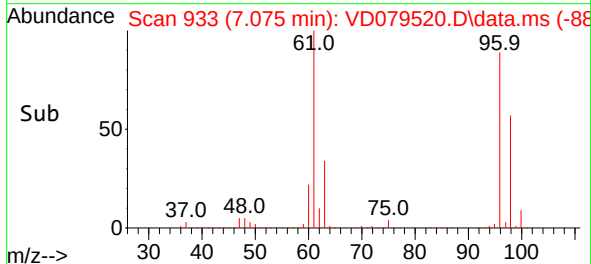
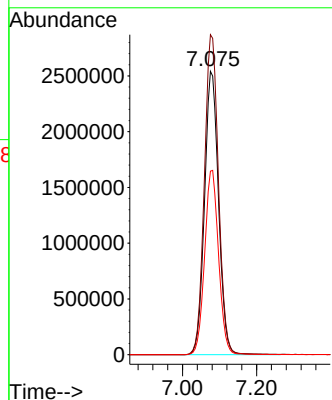
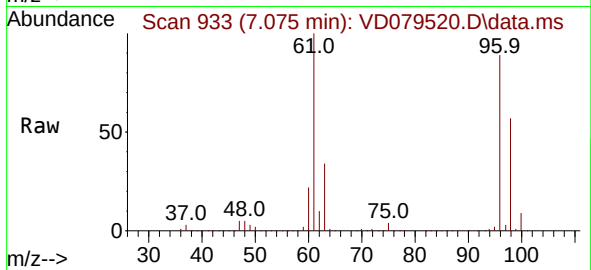


#27
 cis-1,2-Dichloroethene
 Concen: 5279.940 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD079520.D
 Acq: 01 Aug 2024 04:03

Instrument :
 MSVOA_D
 ClientSampleId :
 S-863-K2-SO-12.75-13.25-072024

Tgt Ion: 96 Resp: 6667392

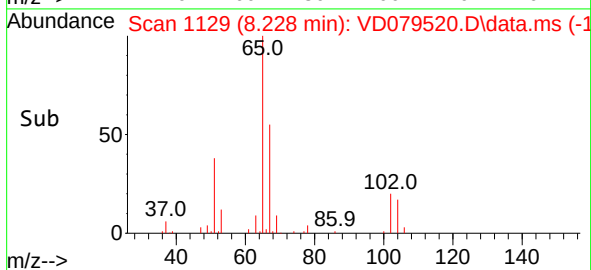
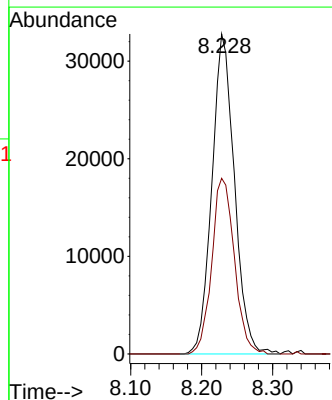
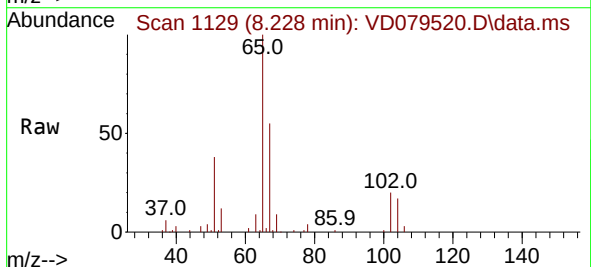
Ion	Ratio	Lower	Upper
96	100		
61	114.1	0.0	229.0
98	64.8	0.0	127.2

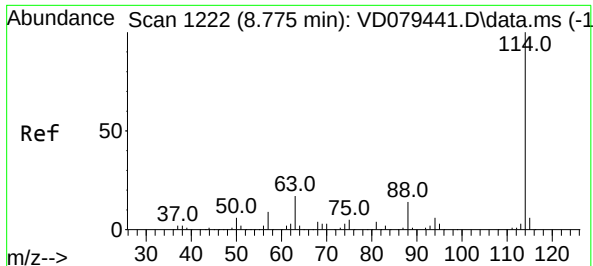


#33
 1,2-Dichloroethane-d4
 Concen: 78.120 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD079520.D
 Acq: 01 Aug 2024 04:03

Tgt Ion: 65 Resp: 72233

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD079520.D

Acq: 01 Aug 2024 04:03

Instrument :

MSVOA_D

ClientSampleId :

S-863-K2-SO-12.75-13.25-072024

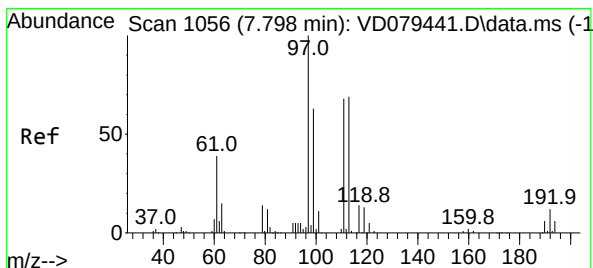
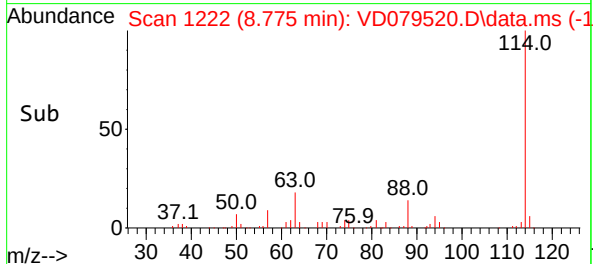
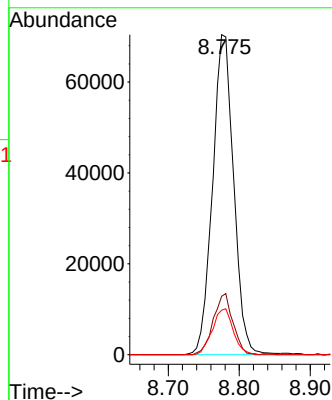
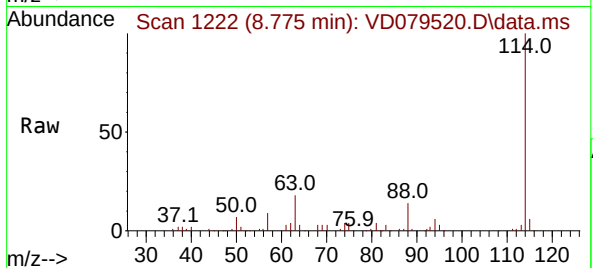
Tgt Ion:114 Resp: 145073

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 71.921 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079520.D

Acq: 01 Aug 2024 04:03

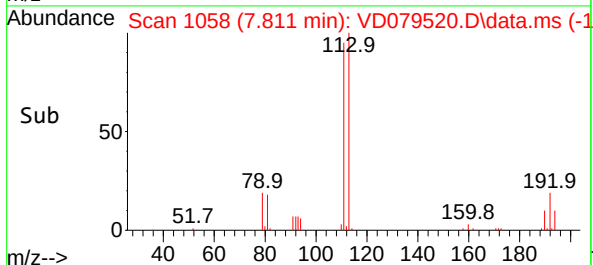
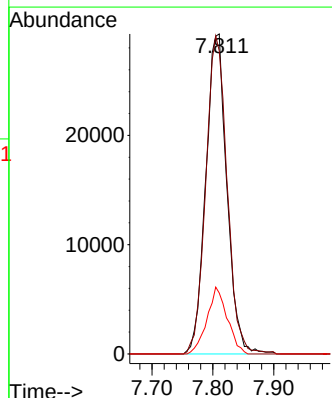
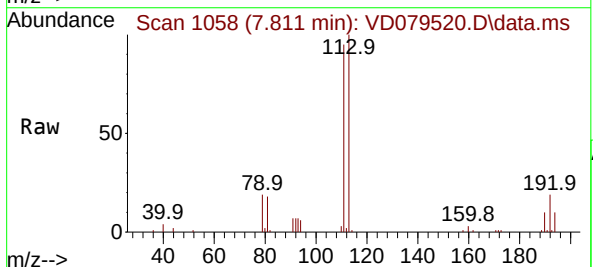
Tgt Ion:113 Resp: 70621

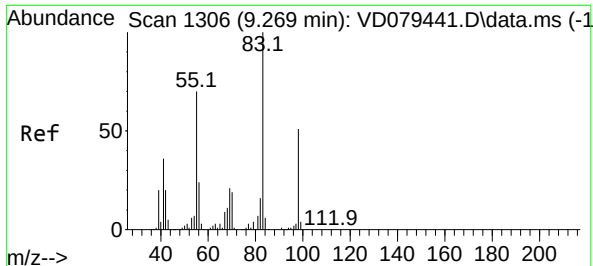
Ion Ratio Lower Upper

113 100

111 100.2 84.0 126.0

192 20.0 15.4 23.0





#39

Methylcyclohexane

Concen: 2.376 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD079520.D

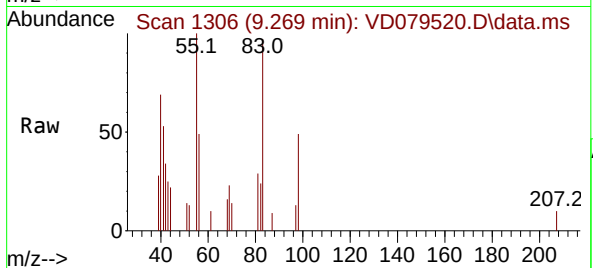
Acq: 01 Aug 2024 04:03

Instrument :

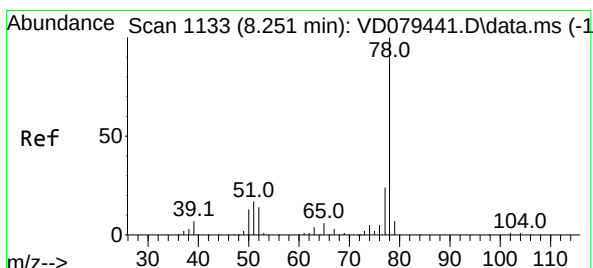
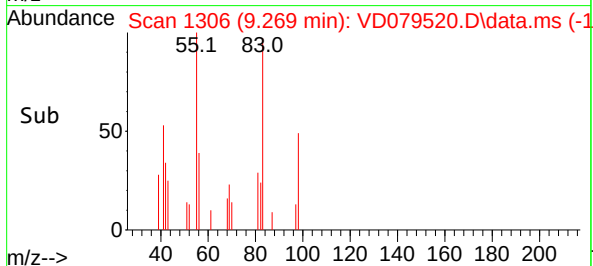
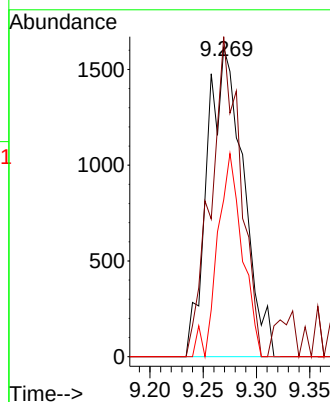
MSVOA_D

ClientSampleId :

S-863-K2-SO-12.75-13.25-072024



Tgt Ion:	83	Resp:	3799
Ion	Ratio	Lower	Upper
83	100		
55	103.5	50.1	75.1#
98	50.8	41.9	62.9



#40

Benzene

Concen: 1.597 ug/l

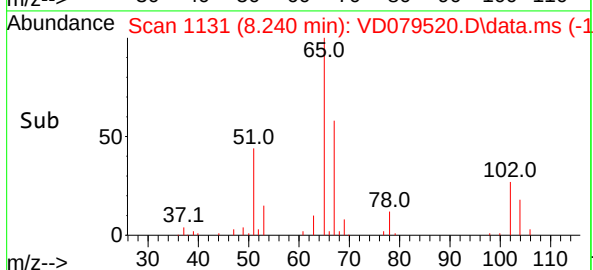
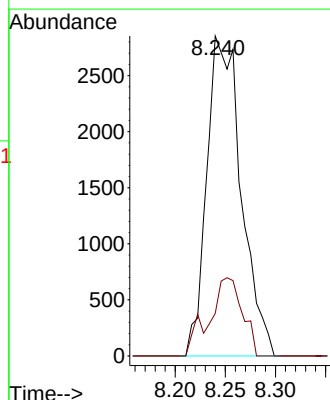
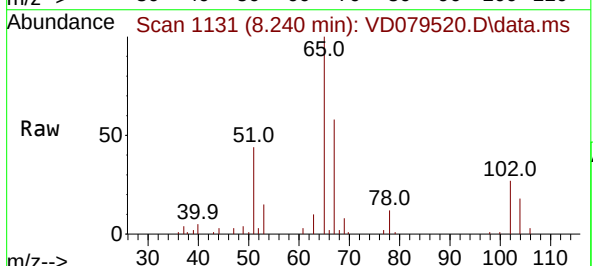
RT: 8.240 min Scan# 1131

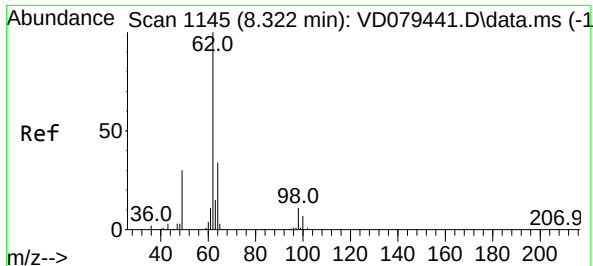
Delta R.T. -0.012 min

Lab File: VD079520.D

Acq: 01 Aug 2024 04:03

Tgt Ion:	78	Resp:	6799
Ion	Ratio	Lower	Upper
78	100		
77	13.3	18.1	27.1#





#42

1,2-Dichloroethane

Concen: 2.429 ug/l

RT: 8.334 min Scan# 1147

Delta R.T. 0.012 min

Lab File: VD079520.D

Acq: 01 Aug 2024 04:03

Instrument :

MSVOA_D

ClientSampleId :

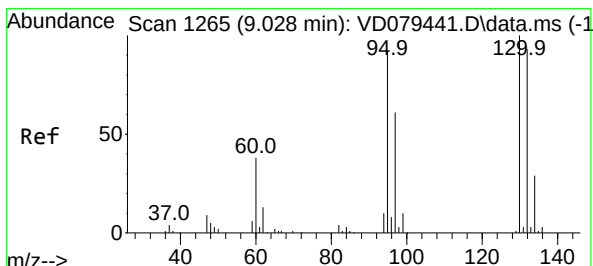
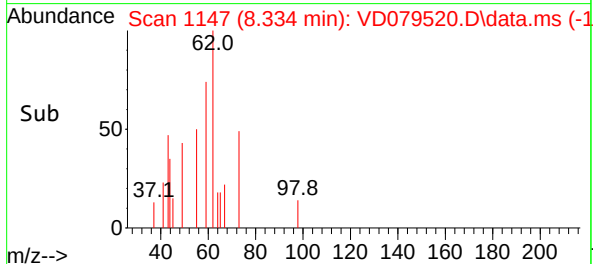
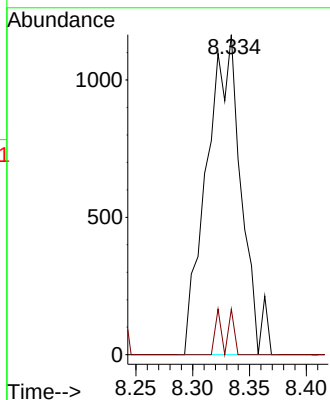
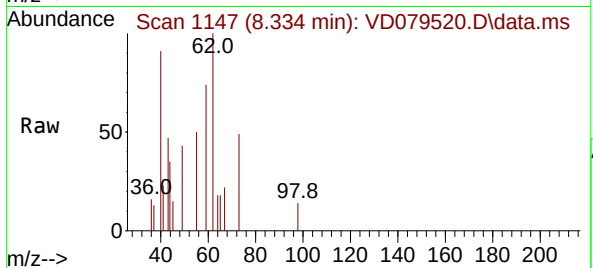
S-863-K2-SO-12.75-13.25-072024

Tgt Ion: 62 Resp: 2464

Ion Ratio Lower Upper

62 100

98 4.7 0.0 25.8



#44

Trichloroethene

Concen: 96.389 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079520.D

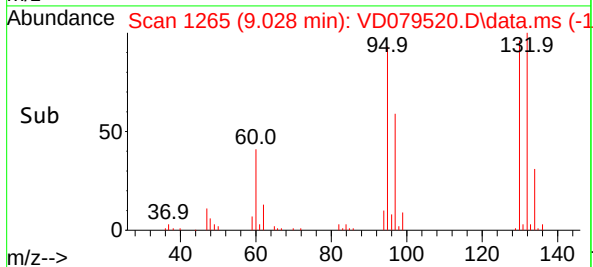
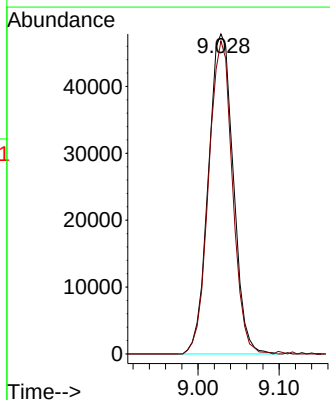
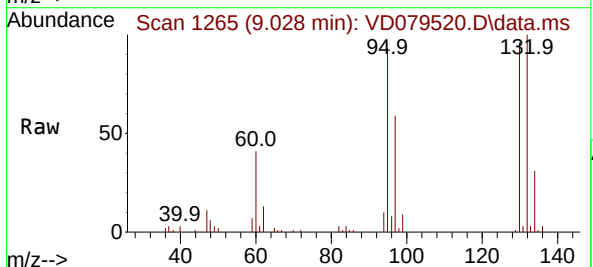
Acq: 01 Aug 2024 04:03

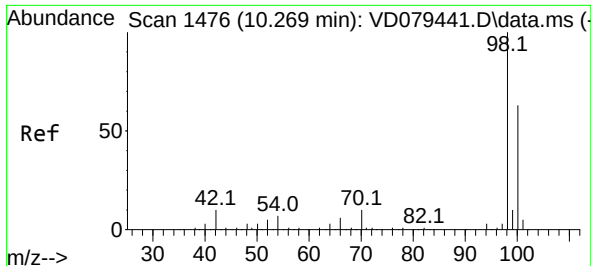
Tgt Ion:130 Resp: 102139

Ion Ratio Lower Upper

130 100

95 97.8 0.0 177.8

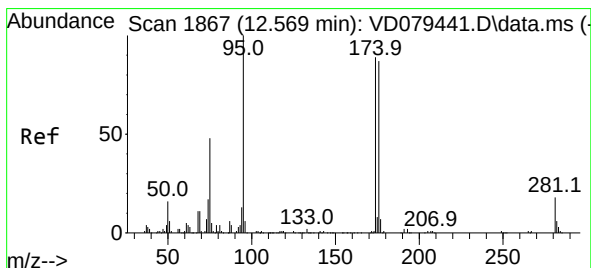
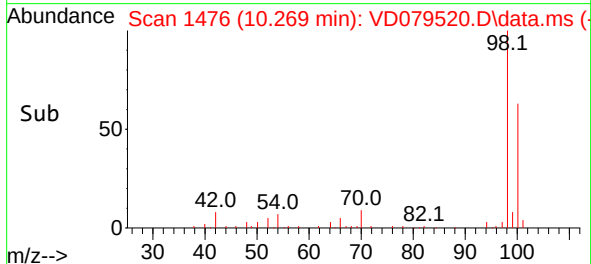
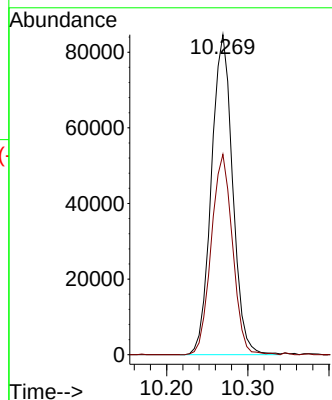
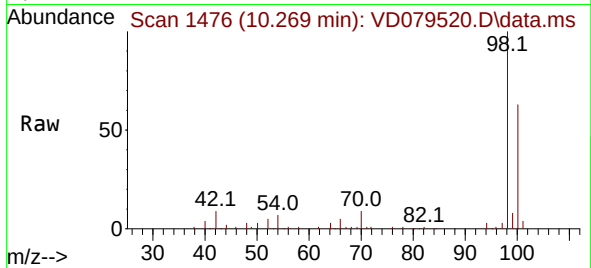




#50
Toluene-d8
Concen: 40.295 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

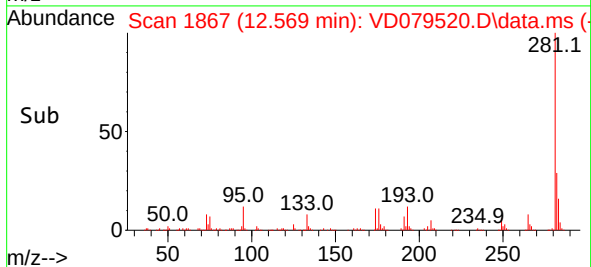
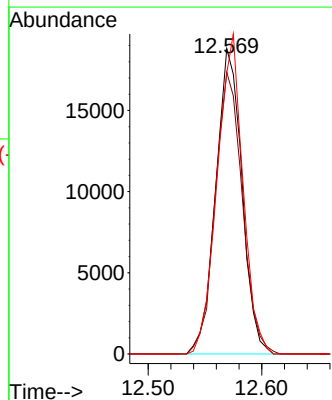
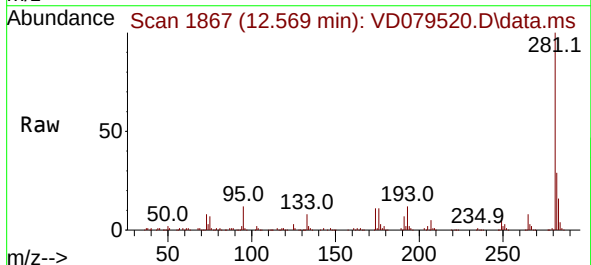
Instrument : MSVOA_D
ClientSampleId : S-863-K2-SO-12.75-13.25-072024

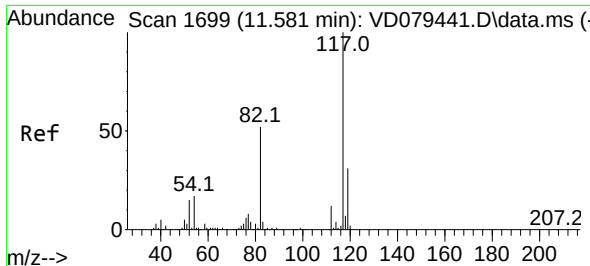
Tgt Ion: 98 Resp: 153652
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 27.347 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

Tgt Ion: 95 Resp: 30176
Ion Ratio Lower Upper
95 100
174 95.5 0.0 195.4
176 102.4 0.0 192.6

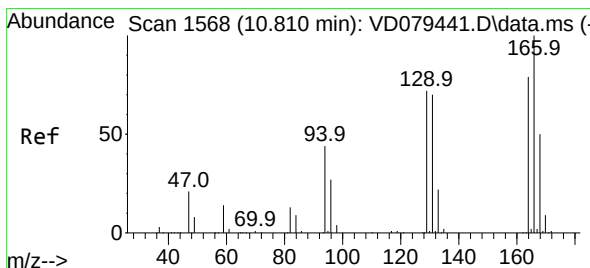
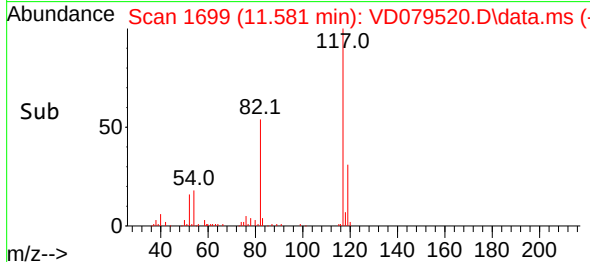
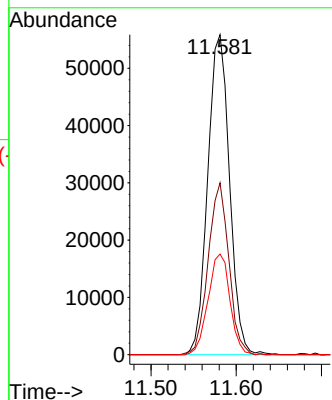
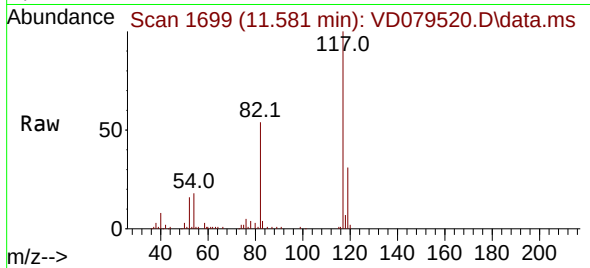




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

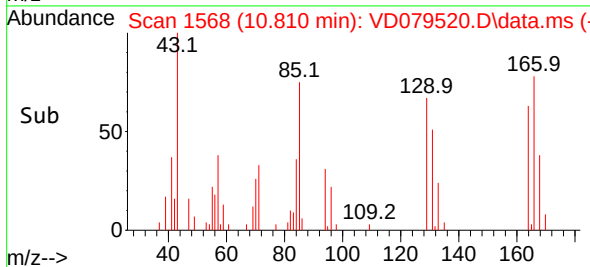
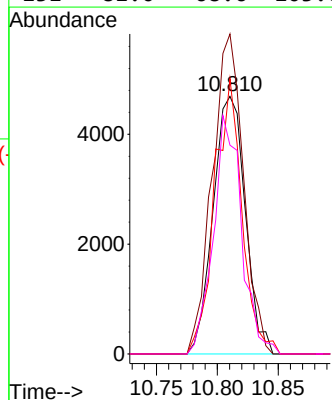
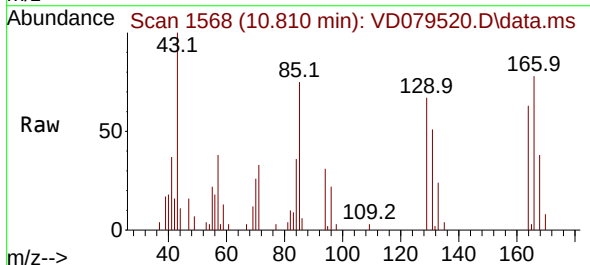
Instrument :
MSVOA_D
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024

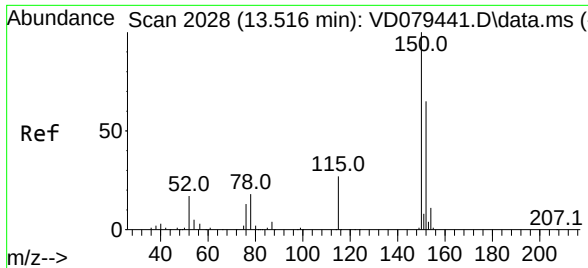
Tgt Ion:	117	Resp:	99183
Ion Ratio	Lower	Upper	
117	100		
82	53.7	39.8	59.6
119	31.5	25.7	38.5



#64
Tetrachloroethene
Concen: 12.871 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD079520.D
Acq: 01 Aug 2024 04:03

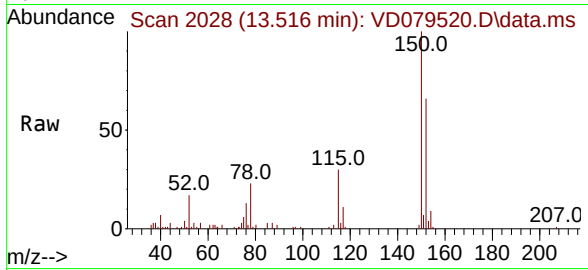
Tgt Ion:	164	Resp:	8608
Ion Ratio	Lower	Upper	
164	100		
166	124.2	108.6	163.0
129	106.8	74.6	112.0
131	81.0	68.6	103.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD079520.D
 Acq: 01 Aug 2024 04:03

Instrument :
 MSVOA_D
 ClientSampleId :
 S-863-K2-SO-12.75-13.25-072024



Tgt Ion:	152	Resp:	27592
Ion Ratio	Lower	Upper	
152	100		
115	52.7	26.5	79.5
150	154.1	0.0	341.6

