

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079481.D
 Acq On : 31 Jul 2024 04:13
 Operator : RP/MD
 Sample : P3374-04
 Misc : 8.23G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-12-12.5-072024

Quant Time: Jul 31 04:39:10 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)

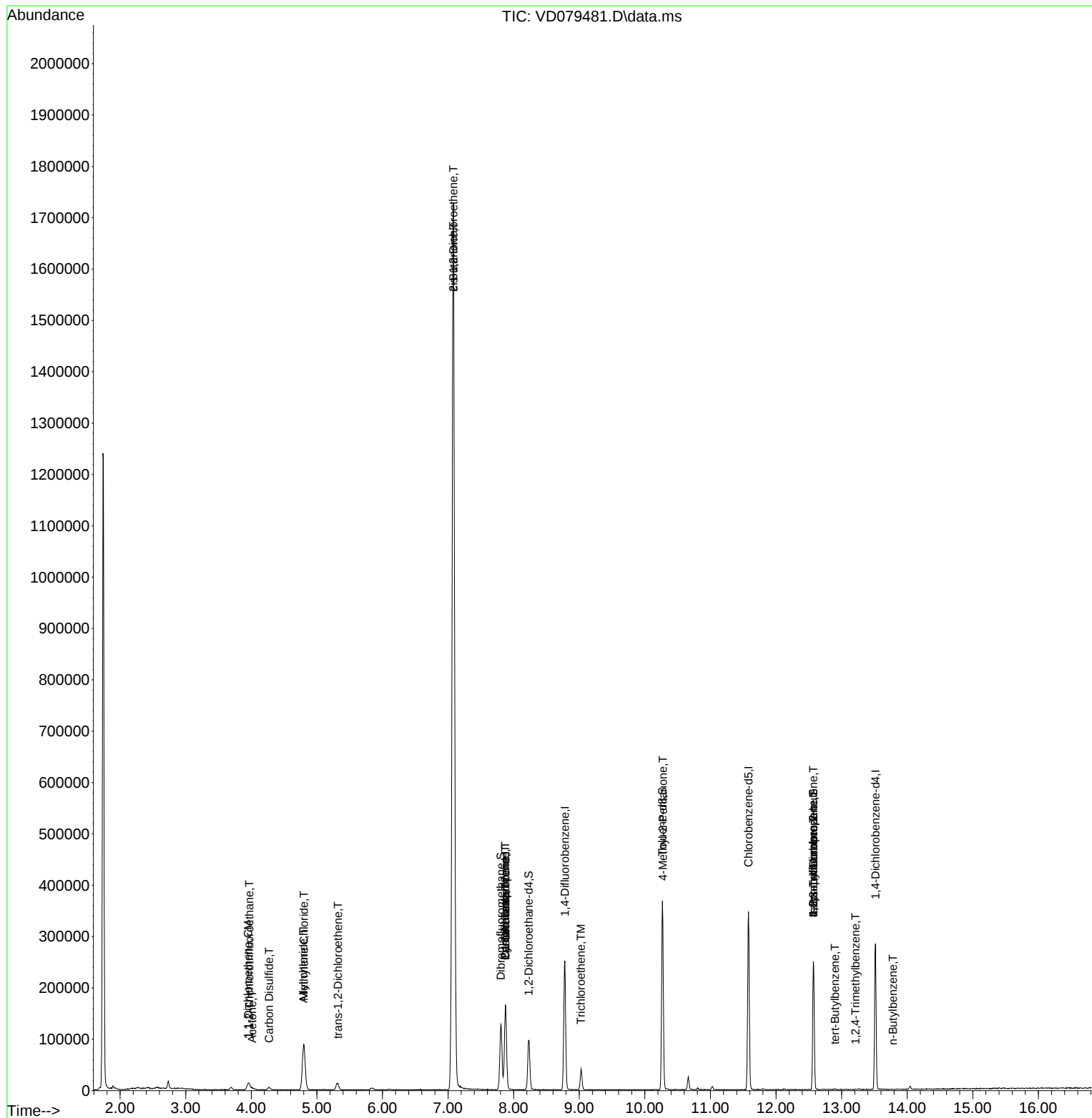
Internal Standards						
1) Pentafluorobenzene	7.875	168	132516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	229228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	214328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75435	56.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.060%
35) Dibromofluoromethane	7.804	113	93589	60.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.640%
50) Toluene-d8	10.269	98	262767	43.612	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.220%
62) 4-Bromofluorobenzene	12.569	95	70713	40.557	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.120%
Target Compounds						
5) Bromomethane	2.687	94	154	Below Cal	#	9
9) 1,1,2-Trichlorotrifluo...	3.969	101	7910	5.529	ug/l	93
11) Tert butyl alcohol	5.069	59	71	Below Cal	#	86
12) 1,1-Dichloroethene	3.952	96	3044	2.126	ug/l	# 67
14) Allyl chloride	4.793	41	2509	1.327	ug/l	# 17
16) Acetone	4.016	43	6583	25.161	ug/l	# 87
17) Carbon Disulfide	4.269	76	9525	2.015	ug/l	# 89
20) Methylene Chloride	4.804	84	71910	32.814	ug/l	92
21) trans-1,2-Dichloroethene	5.322	96	9266	5.761	ug/l	# 83
25) 2-Butanone	7.081	43	2357	6.354	ug/l	# 1
27) cis-1,2-Dichloroethene	7.081	96	1145378	622.983	ug/l	99
31) Cyclohexane	7.875	56	2952	1.320	ug/l	# 27
36) 1,1-Dichloropropene	7.875	75	10880	5.138	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	13387	6.013	ug/l	# 21
44) Trichloroethene	9.028	130	14595	8.717	ug/l	95
51) 4-Methyl-2-Pentanone	10.275	43	901	1.081	ug/l	# 1
73) Isopropylbenzene	12.569	105	125	3.647	ug/l	# 48
76) 1,2,3-Trichloropropane	12.569	75	36054	50.429	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	36054	96.181	ug/l	# 19
83) tert-Butylbenzene	12.898	119	98	3.648	ug/l	# 31
84) 1,2,4-Trimethylbenzene	13.210	105	226	3.470	ug/l	84
89) n-Butylbenzene	13.780	91	68	3.794	ug/l	# 34

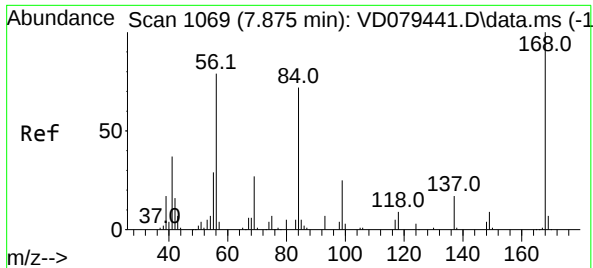
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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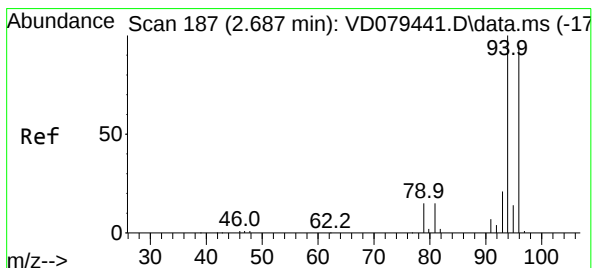
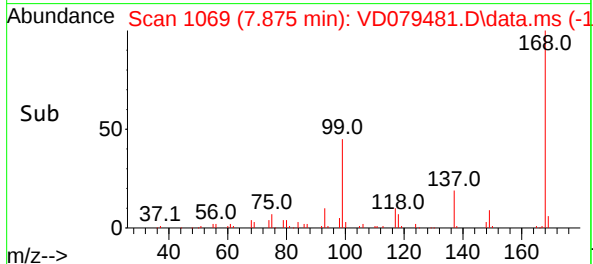
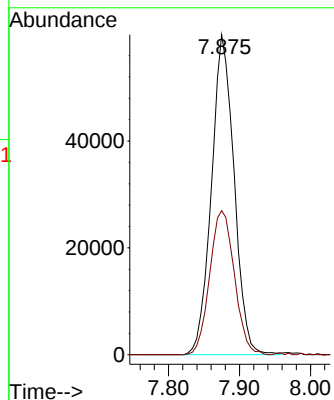
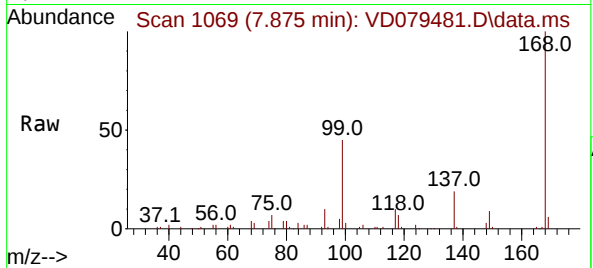




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

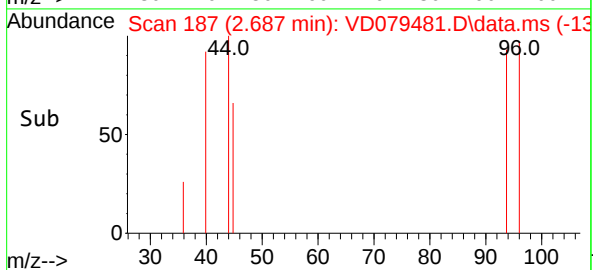
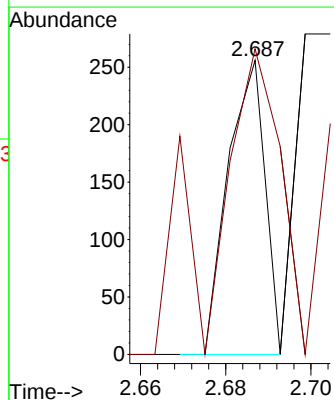
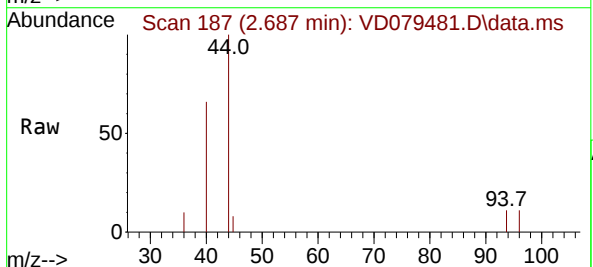
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12-12.5-072024

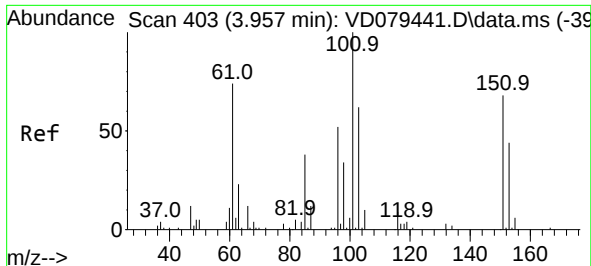
Tgt Ion:168 Resp: 132516
Ion Ratio Lower Upper
168 100
99 45.0 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion: 94 Resp: 154
Ion Ratio Lower Upper
94 100
96 185.1 76.9 115.3#

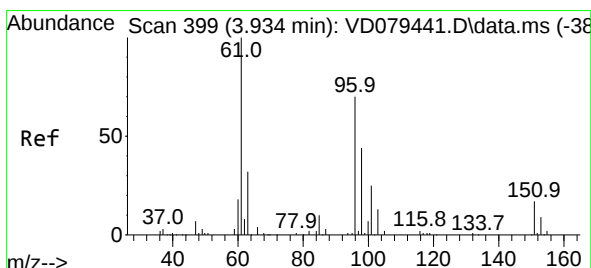
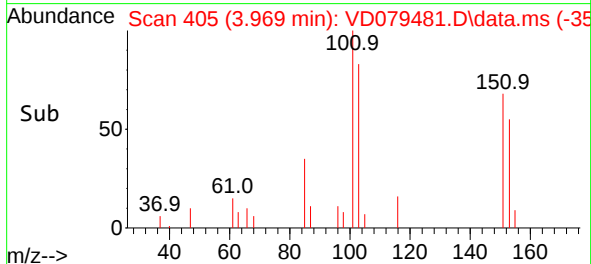
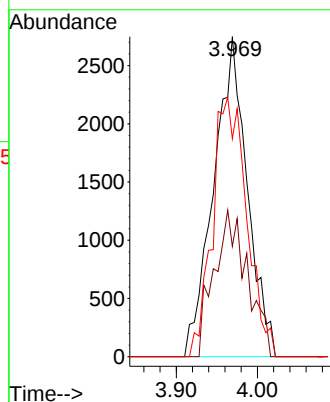
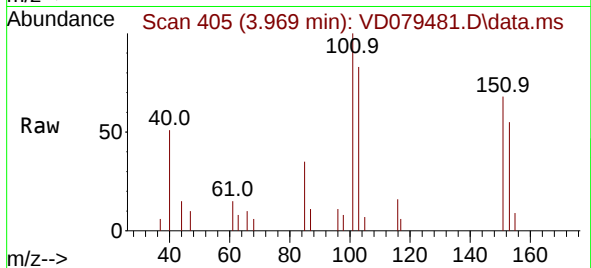




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.529 ug/l
 RT: 3.969 min Scan# 405
 Delta R.T. 0.006 min
 Lab File: VD079481.D
 Acq: 31 Jul 2024 04:13

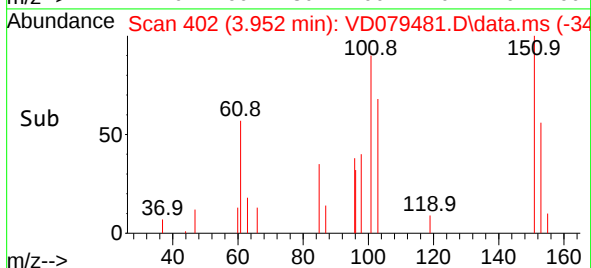
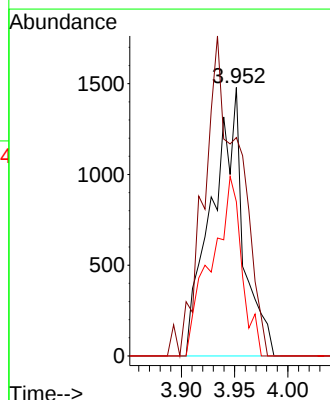
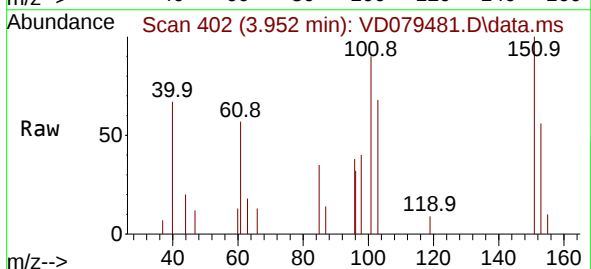
Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-12-12.5-072024

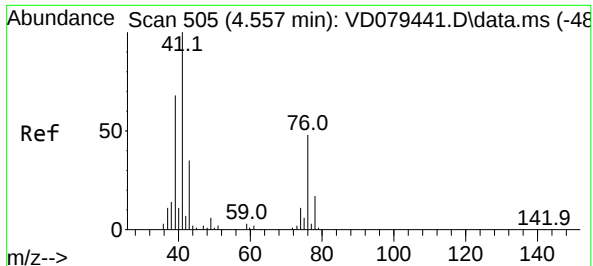
Tgt Ion:	101	Resp:	7910
Ion	Ratio	Lower	Upper
101	100		
85	45.4	33.5	50.3
151	82.5	60.3	90.5



#12
 1,1-Dichloroethene
 Concen: 2.126 ug/l
 RT: 3.952 min Scan# 402
 Delta R.T. 0.023 min
 Lab File: VD079481.D
 Acq: 31 Jul 2024 04:13

Tgt Ion:	96	Resp:	3044
Ion	Ratio	Lower	Upper
96	100		
61	81.3	107.3	160.9#
98	57.5	51.7	77.5

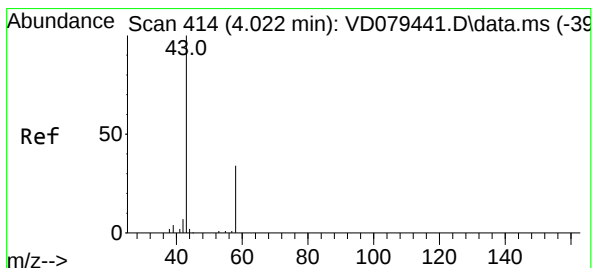
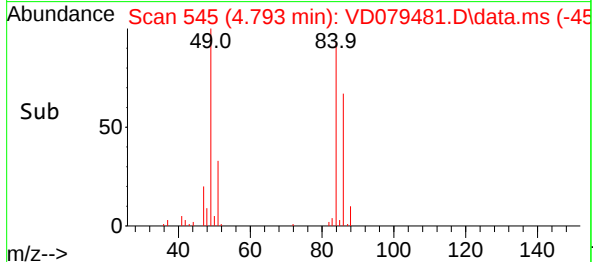
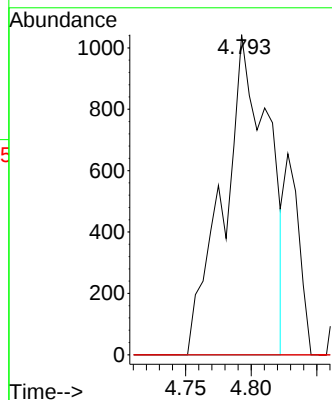
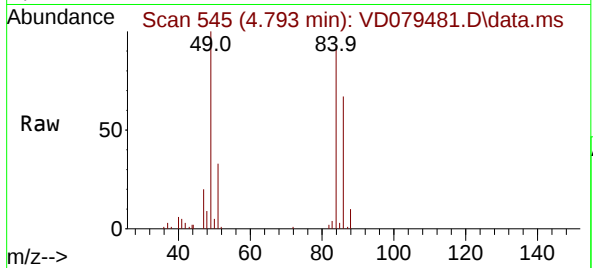




#14
 Allyl chloride
 Concen: 1.327 ug/l
 RT: 4.793 min Scan# 54
 Delta R.T. 0.241 min
 Lab File: VD079481.D
 Acq: 31 Jul 2024 04:13

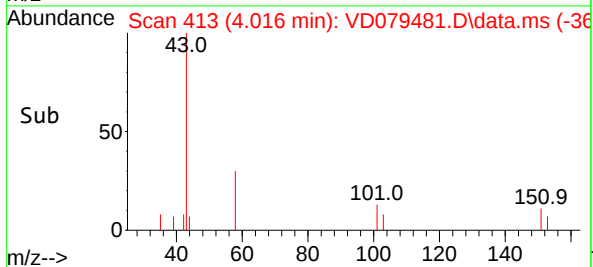
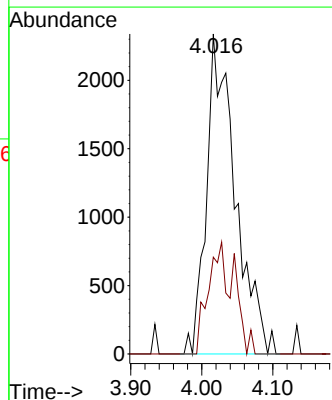
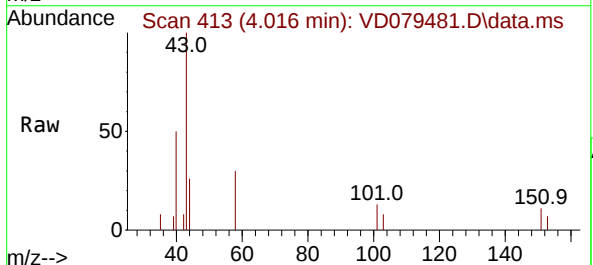
Instrument :
 MSVOA_D
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 S-861-K2-SO-12-12.5-072024

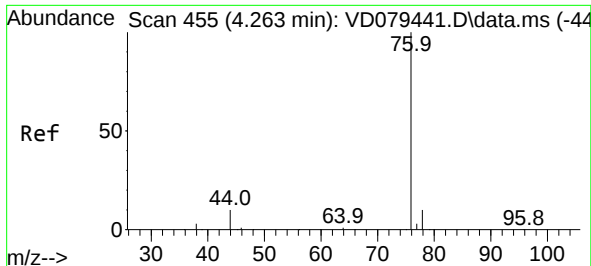
Tgt Ion: 41 Resp: 2509
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 45.9 68.9#



#16
 Acetone
 Concen: 25.161 ug/l
 RT: 4.016 min Scan# 413
 Delta R.T. -0.006 min
 Lab File: VD079481.D
 Acq: 31 Jul 2024 04:13

Tgt Ion: 43 Resp: 6583
 Ion Ratio Lower Upper
 43 100
 58 30.3 30.4 45.6#

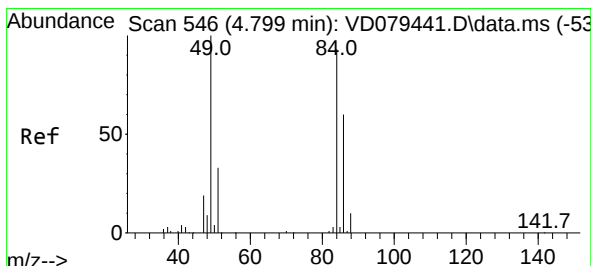
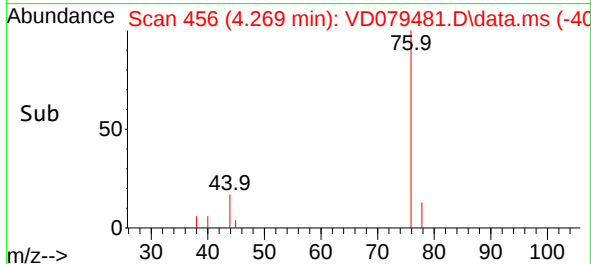
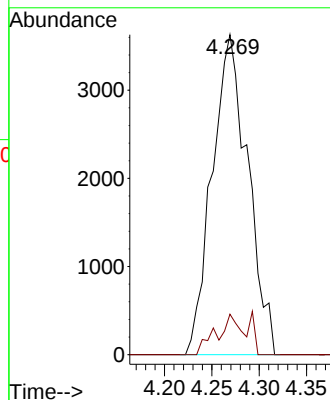
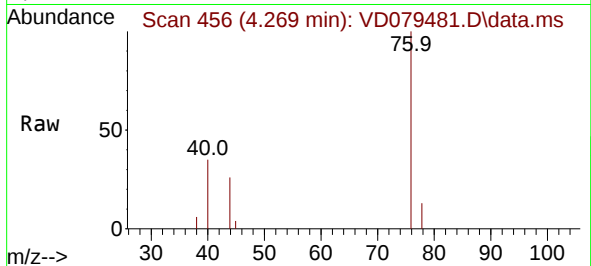




#17
Carbon Disulfide
Concen: 2.015 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

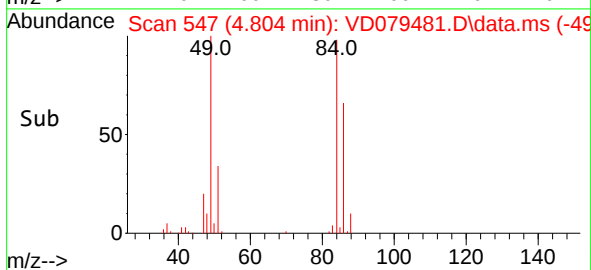
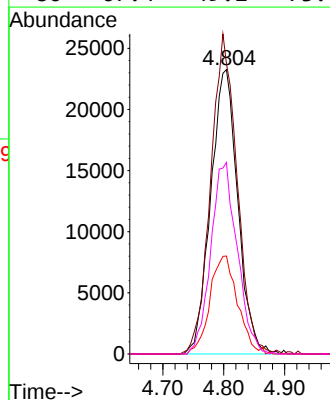
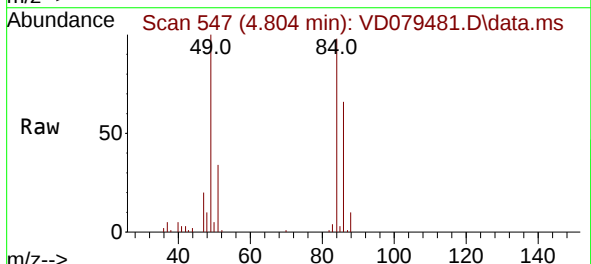
Instrument :
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ClientSampleId :
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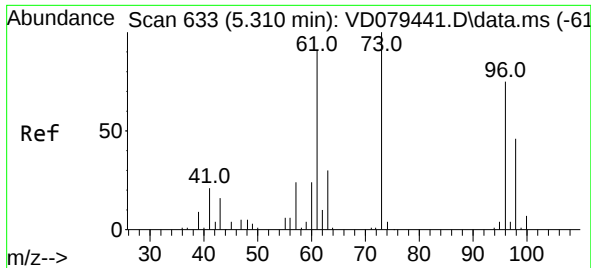
Tgt Ion: 76 Resp: 9525
Ion Ratio Lower Upper
76 100
78 12.7 6.9 10.3#



#20
Methylene Chloride
Concen: 32.814 ug/l
RT: 4.804 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion: 84 Resp: 71910
Ion Ratio Lower Upper
84 100
49 102.1 75.6 113.4
51 34.4 24.2 36.2
86 67.4 49.2 73.8

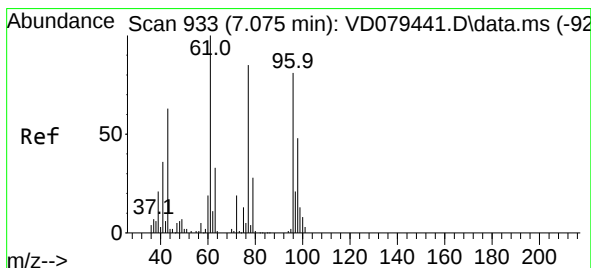
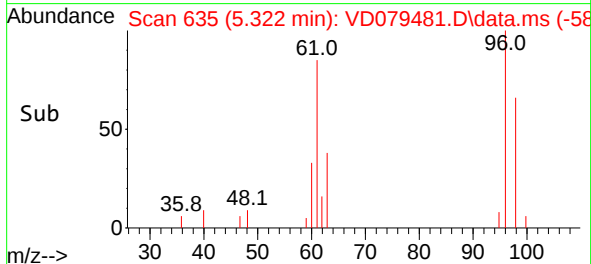
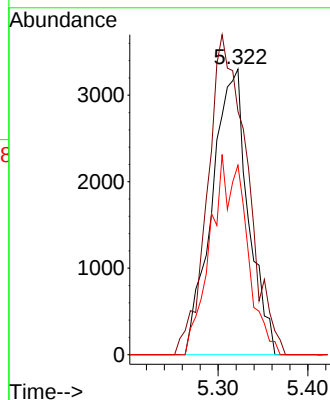
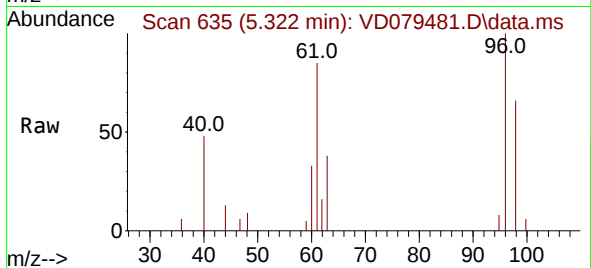




#21
trans-1,2-Dichloroethene
Concen: 5.761 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

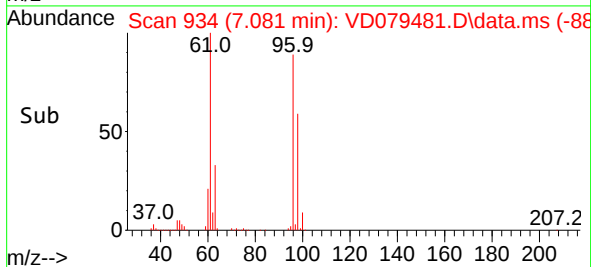
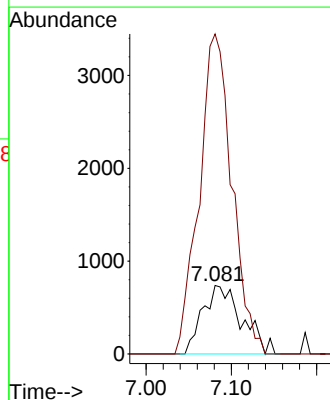
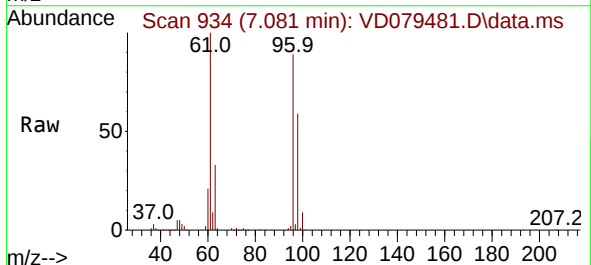
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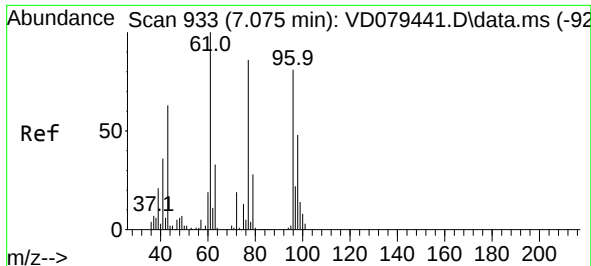
Tgt Ion: 96 Resp: 9266
Ion Ratio Lower Upper
96 100
61 80.0 84.5 126.7#
98 66.3 50.5 75.7



#25
2-Butanone
Concen: 6.354 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.012 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

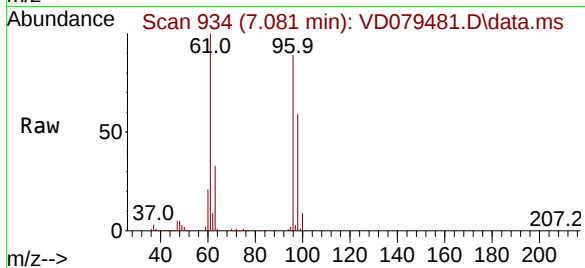
Tgt Ion: 43 Resp: 2357
Ion Ratio Lower Upper
43 100
72 467.1 26.4 39.6#





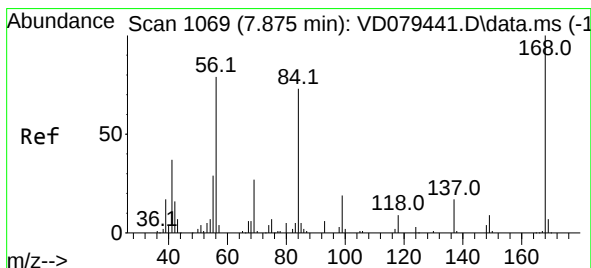
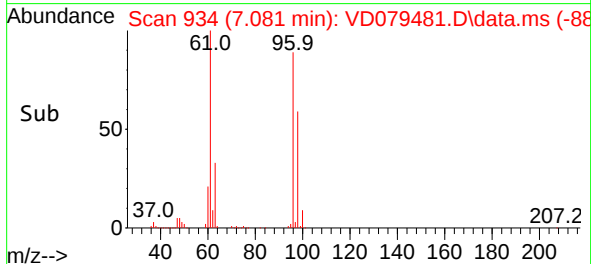
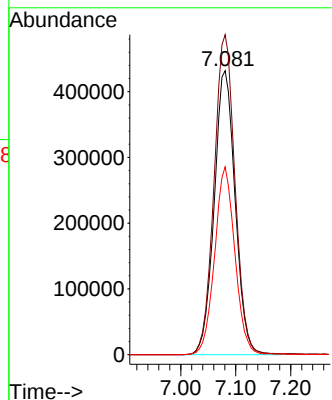
#27
 cis-1,2-Dichloroethene
 Concen: 622.983 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD079481.D
 Acq: 31 Jul 2024 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-12-12.5-072024



Tgt Ion: 96 Resp: 1145378

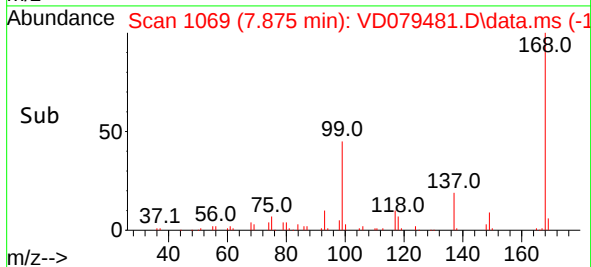
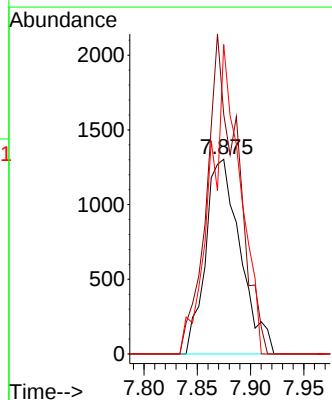
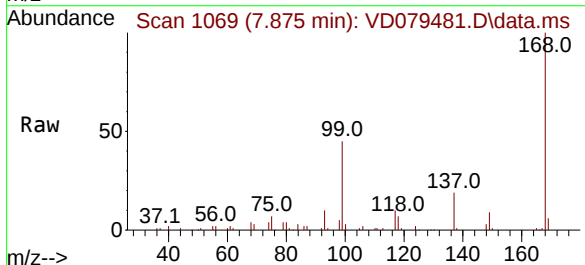
Ion	Ratio	Lower	Upper
96	100		
61	112.7	0.0	229.0
98	63.9	0.0	127.2

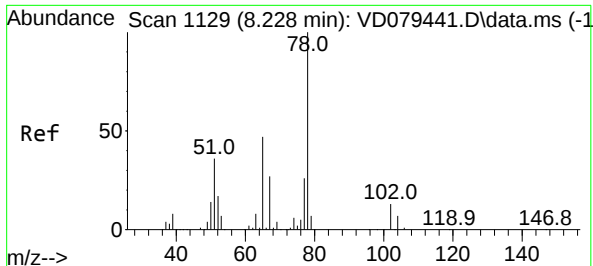


#31
 Cyclohexane
 Concen: 1.320 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.006 min
 Lab File: VD079481.D
 Acq: 31 Jul 2024 04:13

Tgt Ion: 56 Resp: 2952

Ion	Ratio	Lower	Upper
56	100		
69	123.0	28.0	42.0#
84	158.8	87.4	131.0#





#33

1,2-Dichloroethane-d4

Concen: 56.034 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079481.D

Acq: 31 Jul 2024 04:13

Instrument :

MSVOA_D

ClientSampleId :

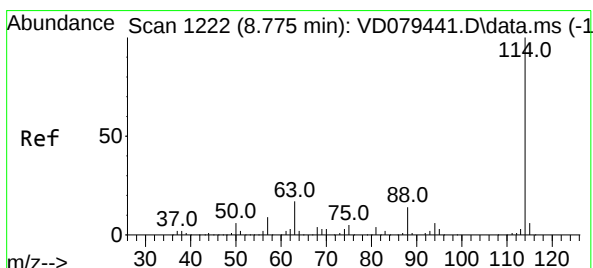
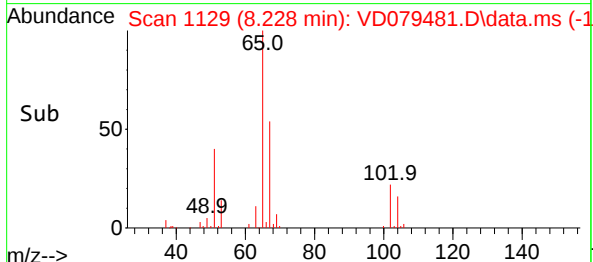
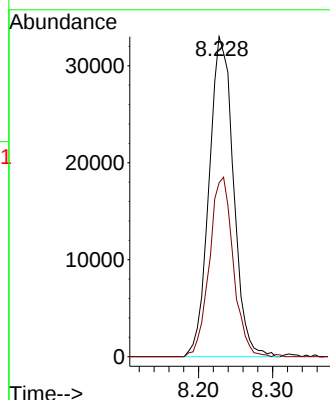
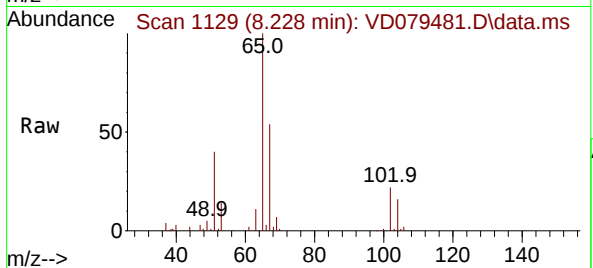
S-861-K2-SO-12-12.5-072024

Tgt Ion: 65 Resp: 75435

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD079481.D

Acq: 31 Jul 2024 04:13

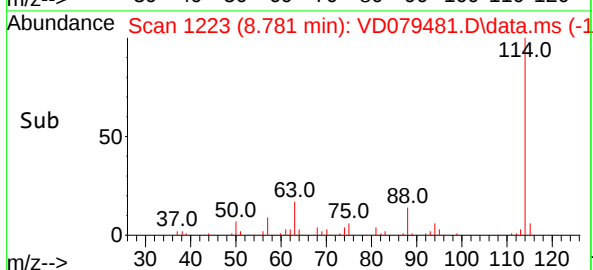
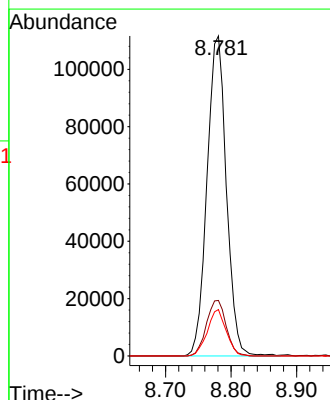
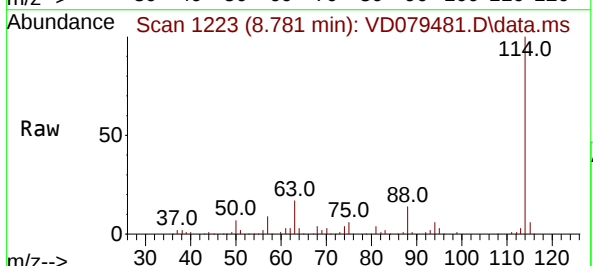
Tgt Ion: 114 Resp: 229228

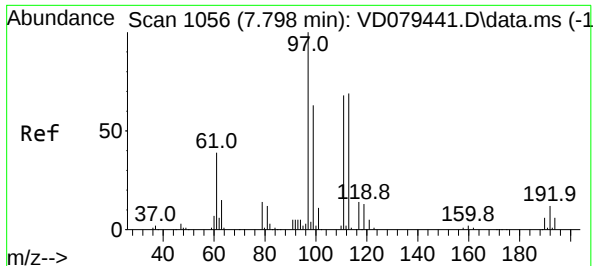
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.0

88 14.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 60.321 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079481.D

Acq: 31 Jul 2024 04:13

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-12-12.5-072024

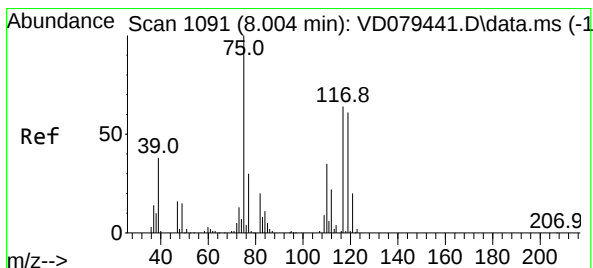
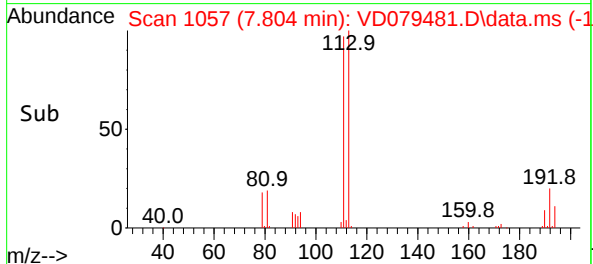
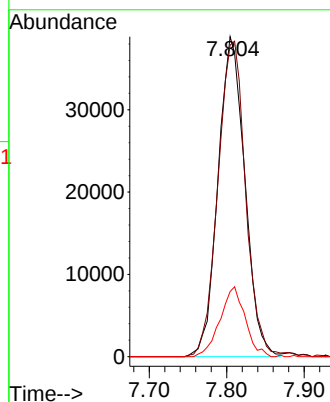
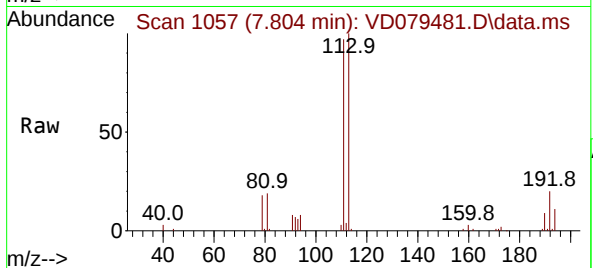
Tgt Ion:113 Resp: 93589

Ion Ratio Lower Upper

113 100

111 101.9 84.0 126.0

192 20.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 5.138 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD079481.D

Acq: 31 Jul 2024 04:13

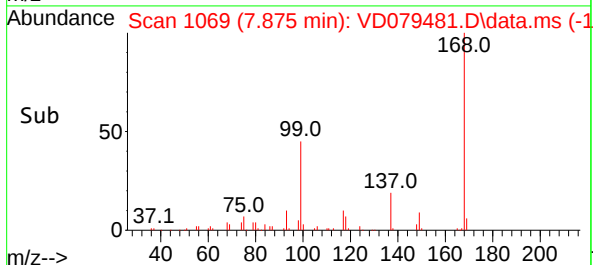
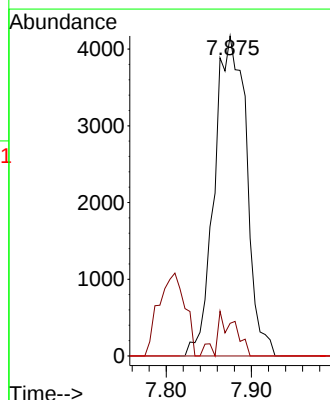
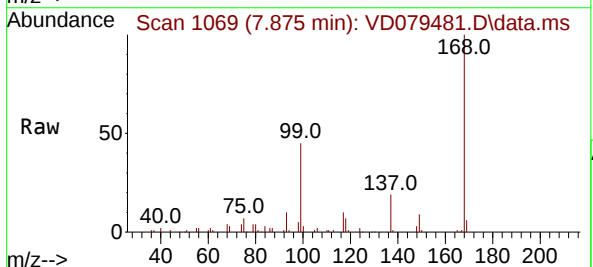
Tgt Ion: 75 Resp: 10880

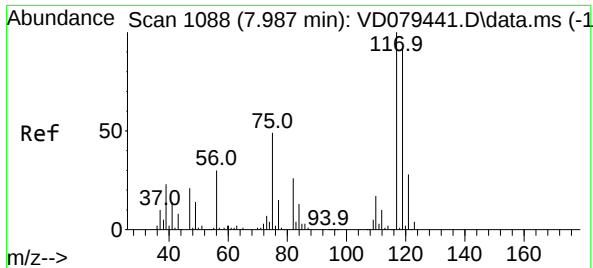
Ion Ratio Lower Upper

75 100

110 8.0 19.6 58.7#

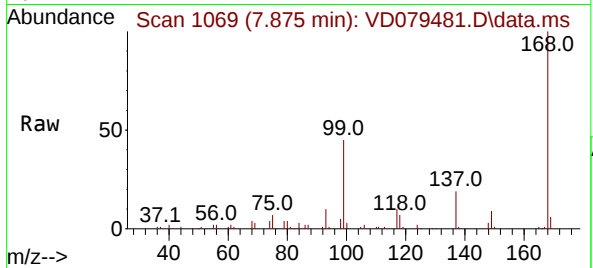
77 0.0 26.1 39.1#



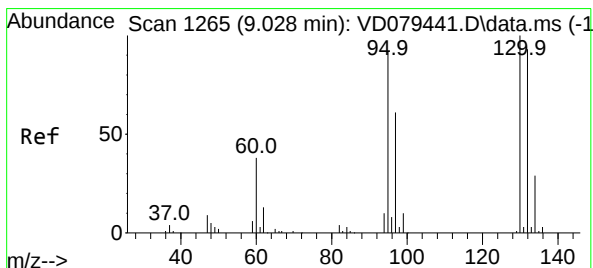
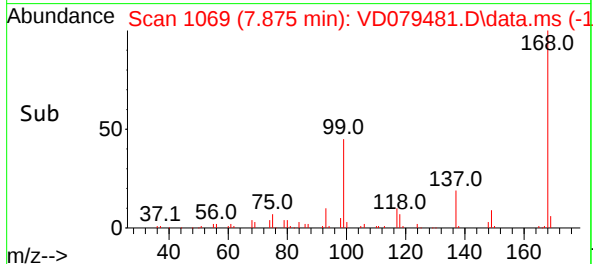
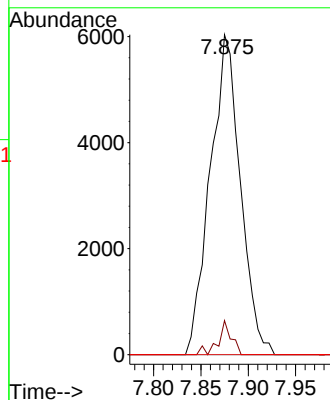


#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-12-12.5-072024

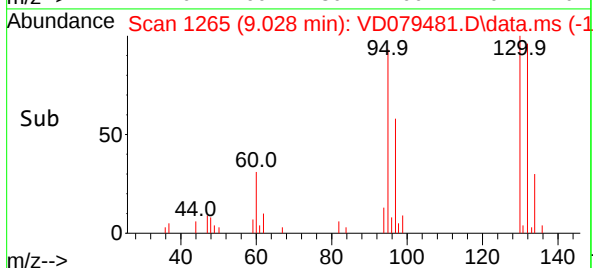
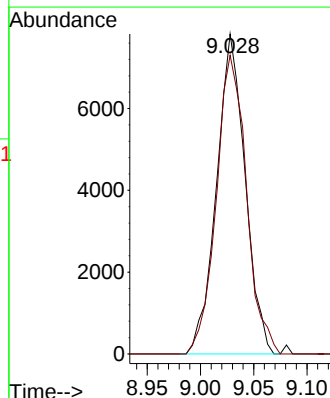
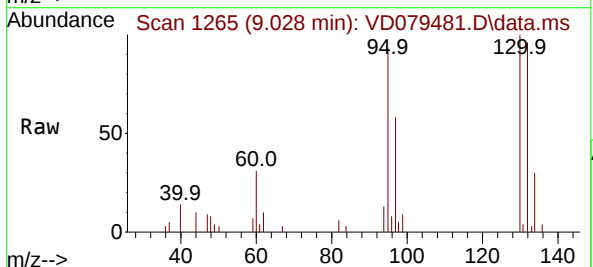


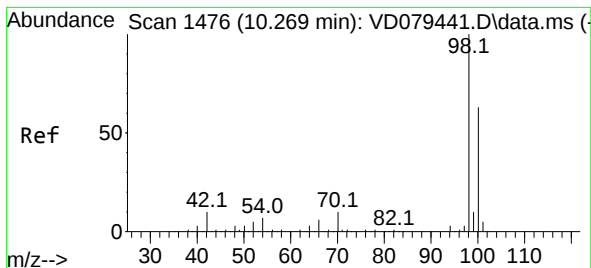
Tgt Ion:117 Resp: 13387
Ion Ratio Lower Upper
117 100
119 10.7 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 8.717 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion:130 Resp: 14595
Ion Ratio Lower Upper
130 100
95 93.4 0.0 177.8

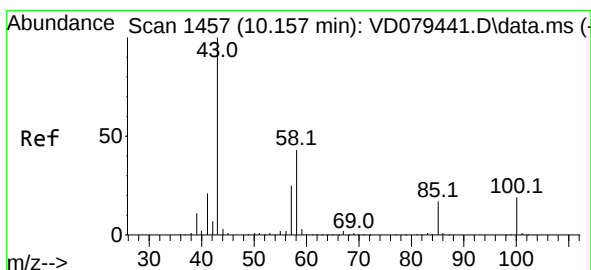
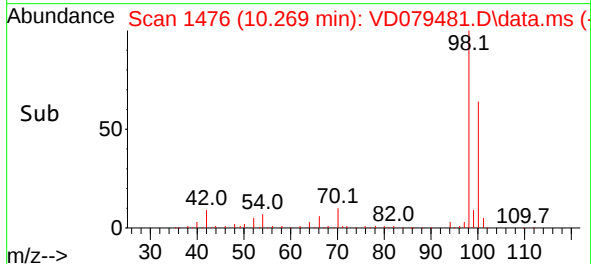
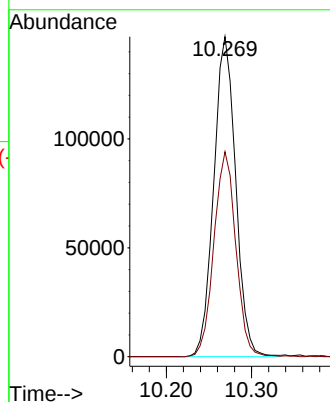
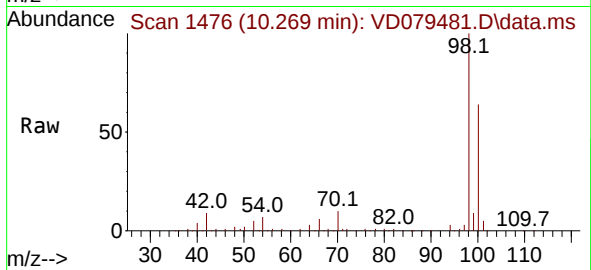




#50
Toluene-d8
Concen: 43.612 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

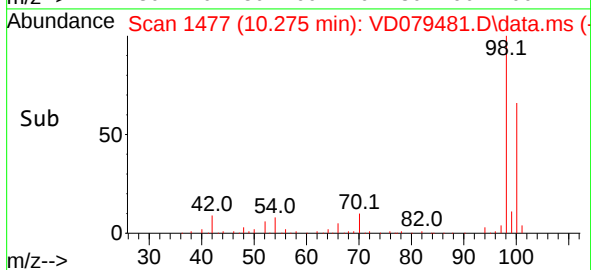
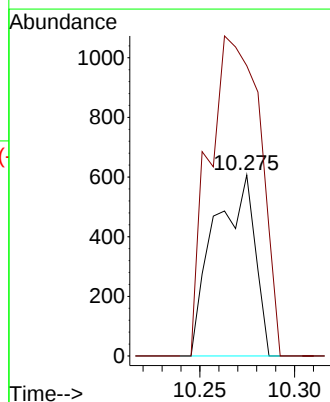
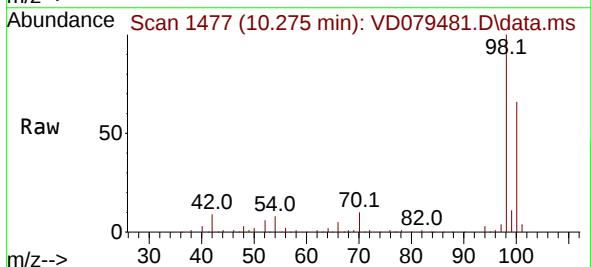
Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-12-12.5-072024

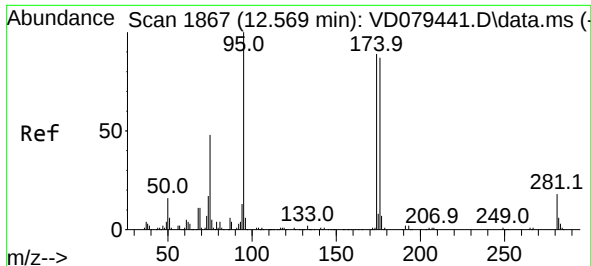
Tgt Ion: 98 Resp: 262767
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.081 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.117 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 223.8 36.6 55.0#

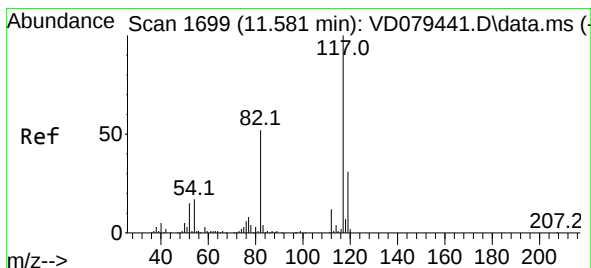
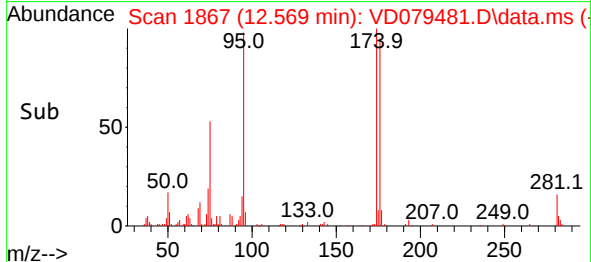
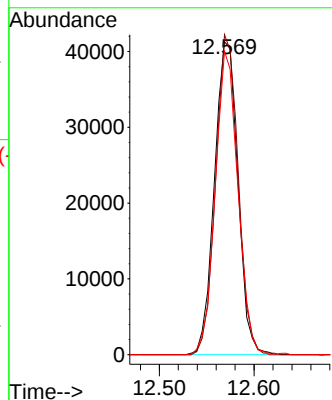
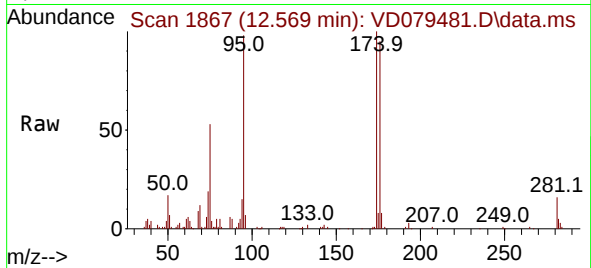




#62
4-Bromofluorobenzene
Concen: 40.557 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

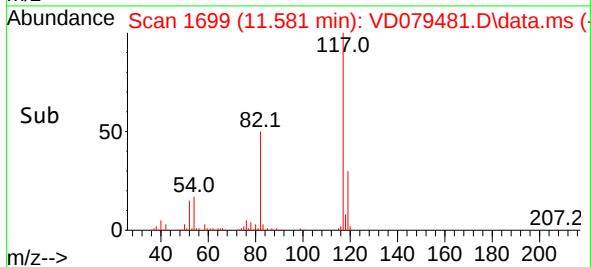
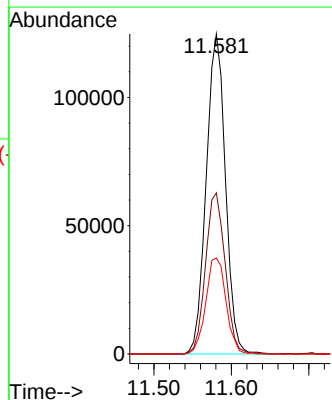
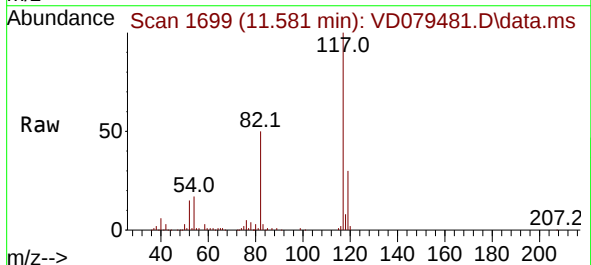
Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-12-12.5-072024

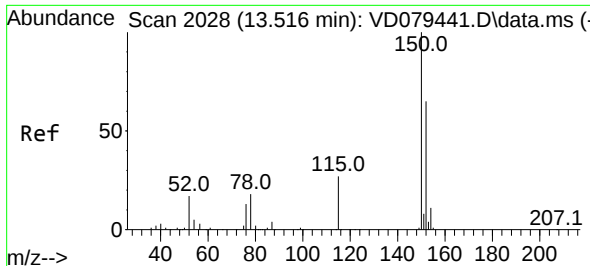
Tgt Ion:	95	Resp:	70713
Ion	Ratio	Lower	Upper
95	100		
174	98.8	0.0	195.4
176	93.9	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion:	117	Resp:	214328
Ion	Ratio	Lower	Upper
117	100		
82	50.4	39.8	59.6
119	30.0	25.7	38.5

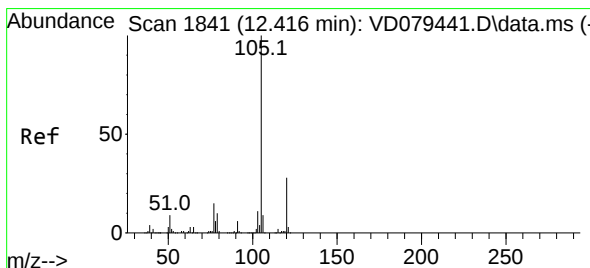
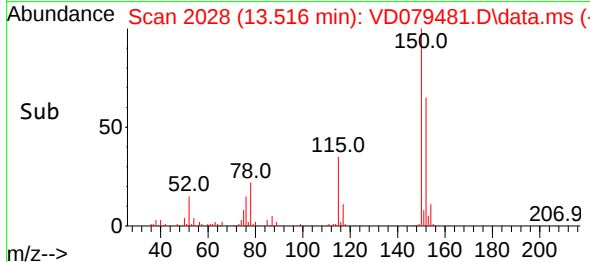
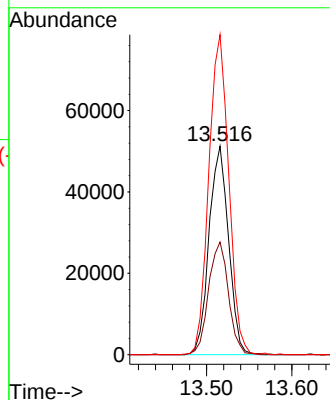
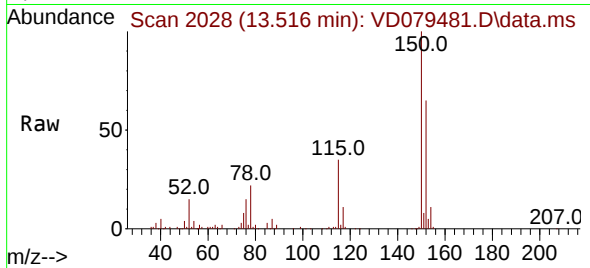




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

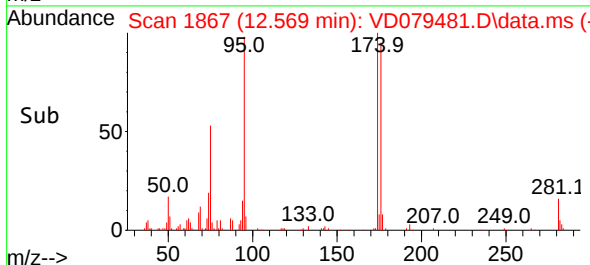
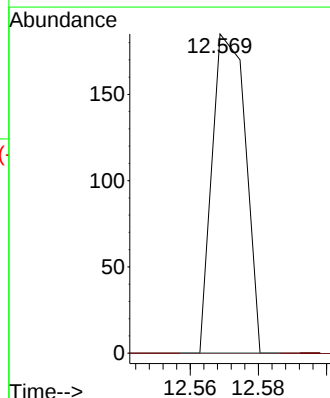
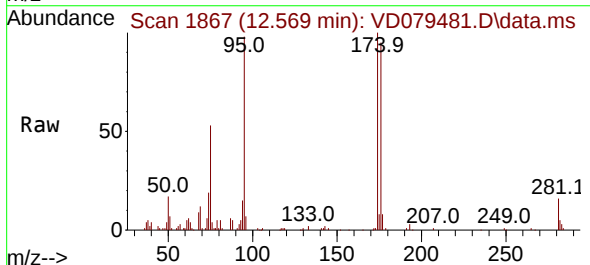
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12-12.5-072024

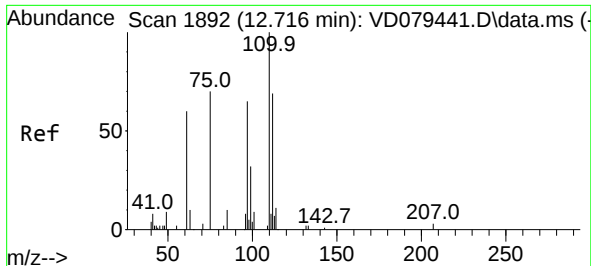
Tgt Ion:152 Resp: 81793
Ion Ratio Lower Upper
152 100
115 55.1 26.5 79.5
150 156.9 0.0 341.6



#73
Isopropylbenzene
Concen: 3.647 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.153 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion:105 Resp: 125
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

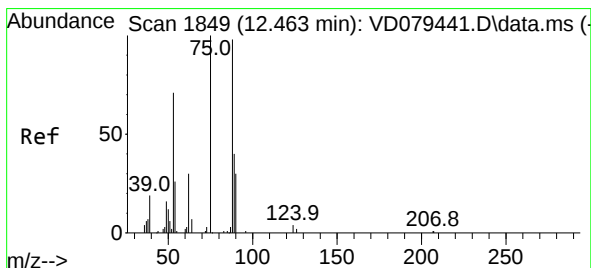
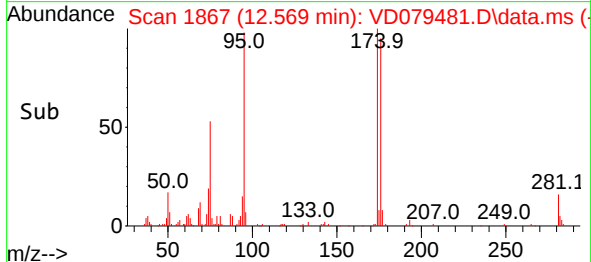
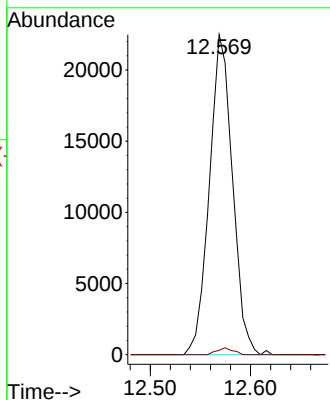
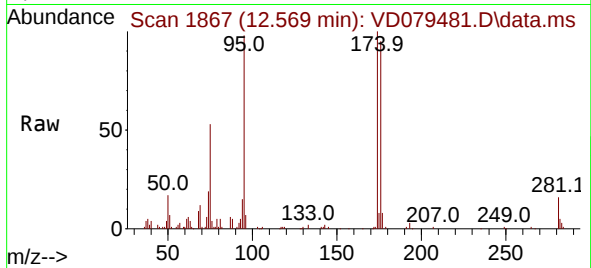




#76
1,2,3-Trichloropropane
Concen: 50.429 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

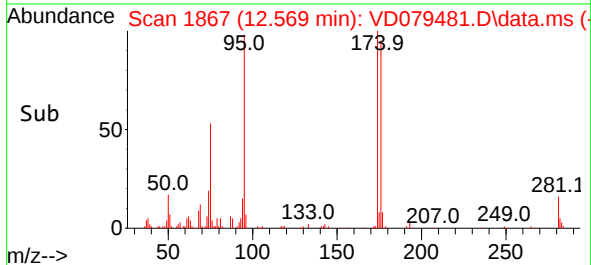
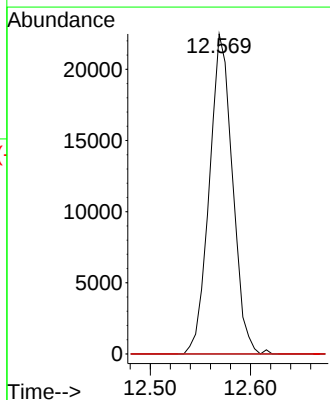
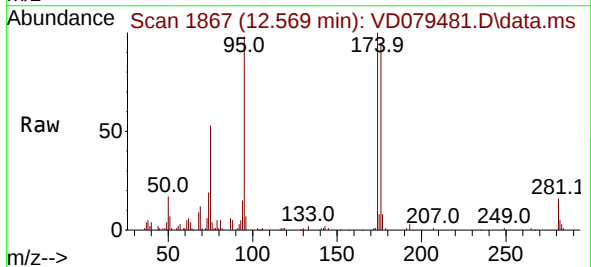
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12-12.5-072024

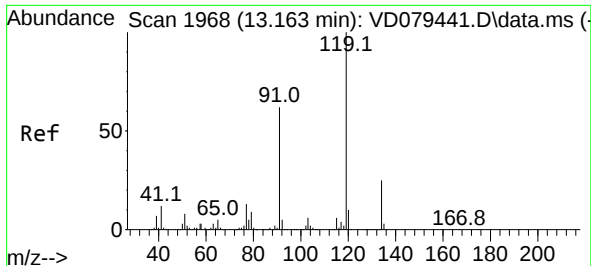
Tgt Ion: 75 Resp: 36054
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.181 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion: 75 Resp: 36054
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

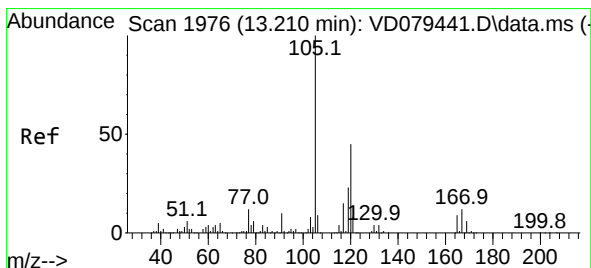
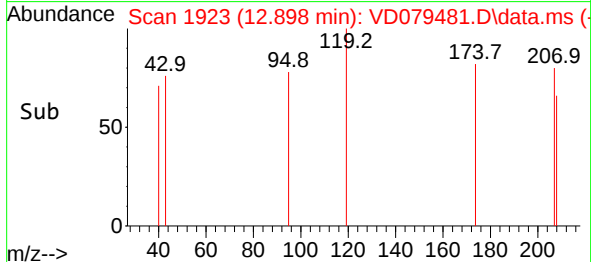
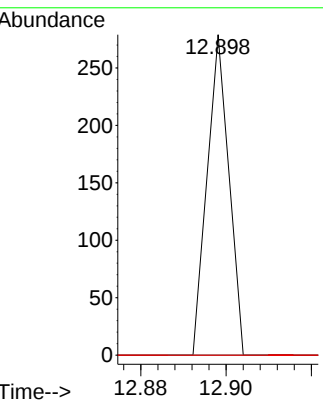
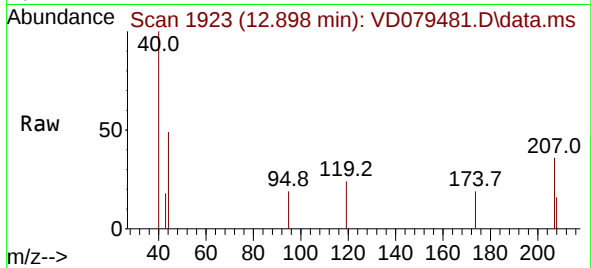




#83
tert-Butylbenzene
Concen: 3.648 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.265 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

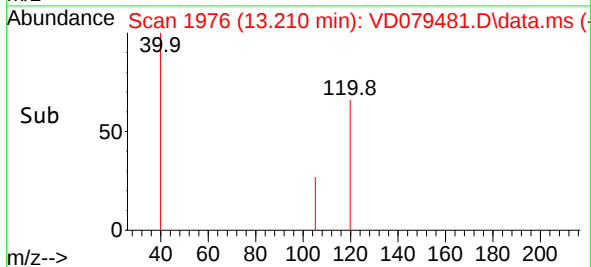
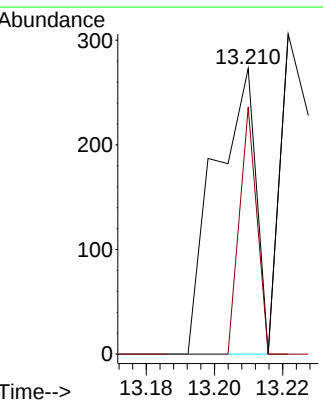
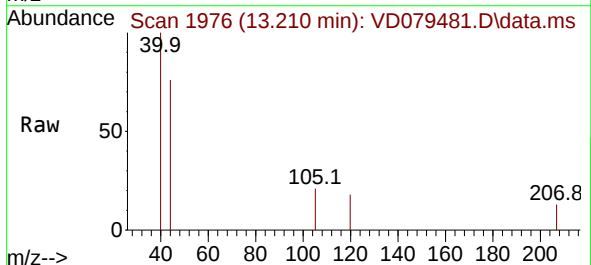
Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-12-12.5-072024

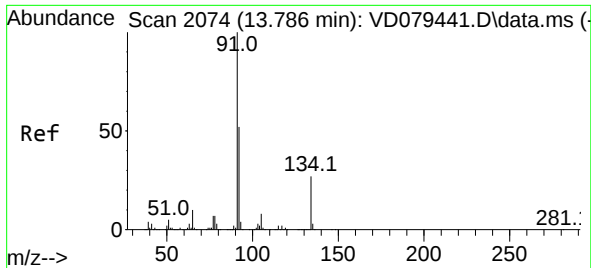
Tgt Ion:119 Resp: 98
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.470 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079481.D
Acq: 31 Jul 2024 04:13

Tgt Ion:105 Resp: 226
Ion Ratio Lower Upper
105 100
120 36.7 23.6 71.0





#89

n-Butylbenzene

Concen: 3.794 ug/l

RT: 13.780 min Scan# 20

Delta R.T. -0.001 min

Lab File: VD079481.D

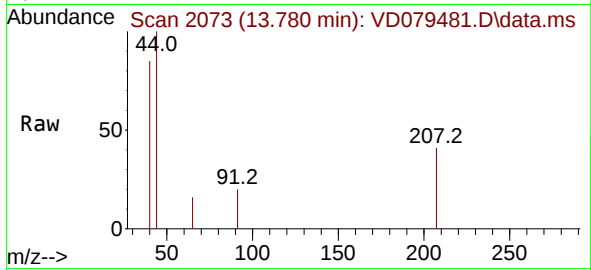
Acq: 31 Jul 2024 04:13

Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-12-12.5-072024



Tgt Ion:	91	Resp:	68
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

