

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079563.D
 Acq On : 03 Aug 2024 02:40
 Operator : RP/MD
 Sample : P3409-01
 Misc : 6.21G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-868-J-SO-2-2.5-073024

Quant Time: Aug 03 04:24:48 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)

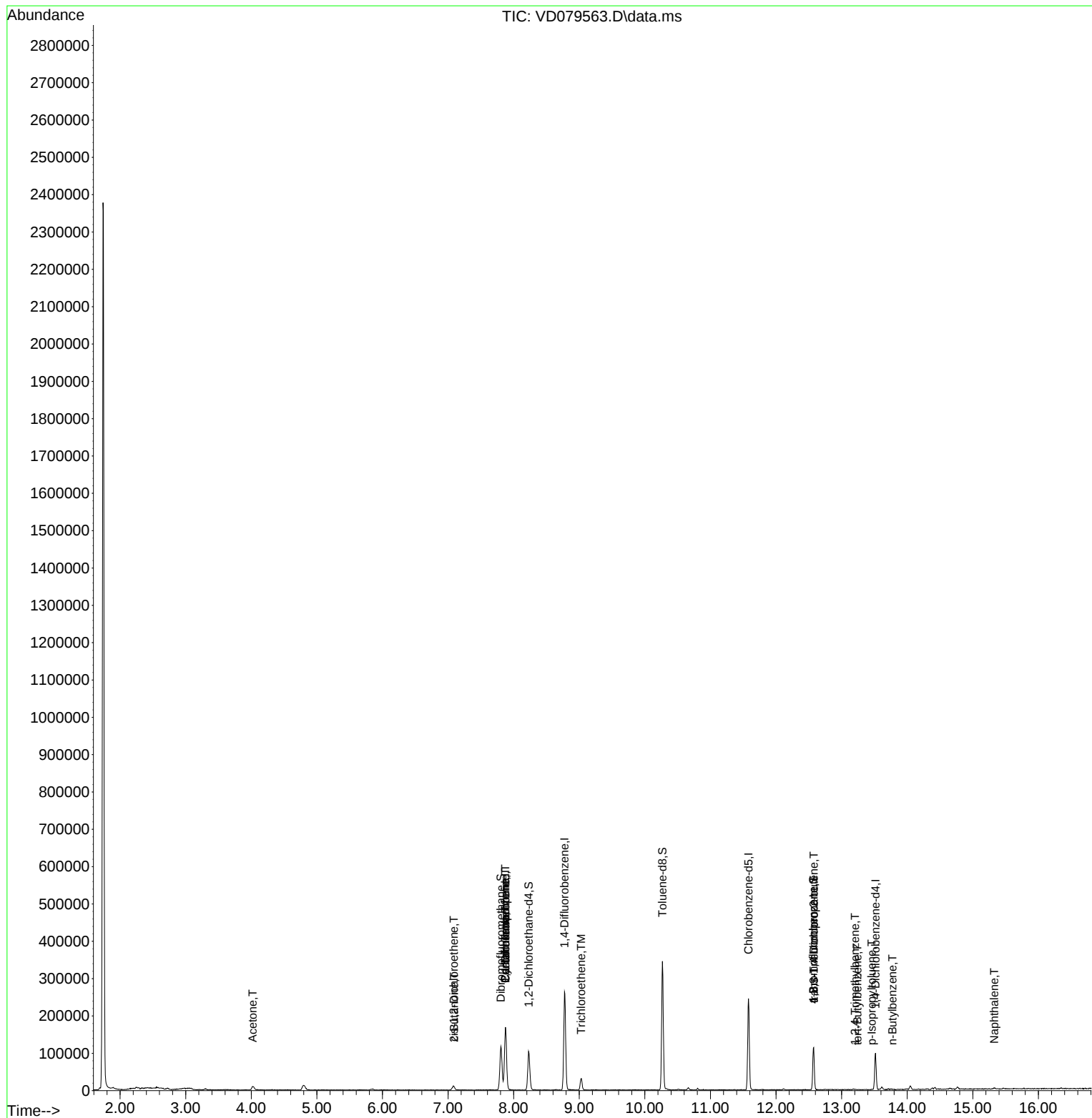
Internal Standards						
1) Pentafluorobenzene	7.875	168	131143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	238126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	145510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	27179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79269	59.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.000%
35) Dibromofluoromethane	7.804	113	85320	52.936	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.880%
50) Toluene-d8	10.269	98	244239	39.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.040%
62) 4-Bromofluorobenzene	12.569	95	32309	17.838	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	35.680%
Target Compounds						
						Qvalue
5) Bromomethane	2.693	94	79	Below Cal	#	1
16) Acetone	4.022	43	16350	63.147	ug/l	91
20) Methylene Chloride	4.805	84	10648	Below Cal		90
25) 2-Butanone	7.093	43	3669	9.995	ug/l	# 78
27) cis-1,2-Dichloroethene	7.087	96	5491	3.018	ug/l	# 99
31) Cyclohexane	7.875	56	2633	1.190	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	11092	5.042	ug/l	# 42
38) Carbon Tetrachloride	7.875	117	12425	5.373	ug/l	# 17
44) Trichloroethene	9.028	130	12180	7.003	ug/l	# 96
76) 1,2,3-Trichloropropane	12.575	75	16437	69.188	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	16437	131.959	ug/l	# 19
83) tert-Butylbenzene	13.239	119	61	3.666	ug/l	# 31
84) 1,2,4-Trimethylbenzene	13.204	105	998	3.974	ug/l	# 60
86) p-Isopropyltoluene	13.457	119	87	3.929	ug/l	# 51
89) n-Butylbenzene	13.775	91	426	4.006	ug/l	# 48
95) Naphthalene	15.328	128	3285	3.734	ug/l	# 80

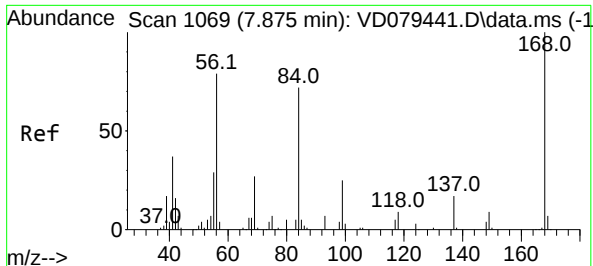
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-868-J-SO-2-2.5-073024

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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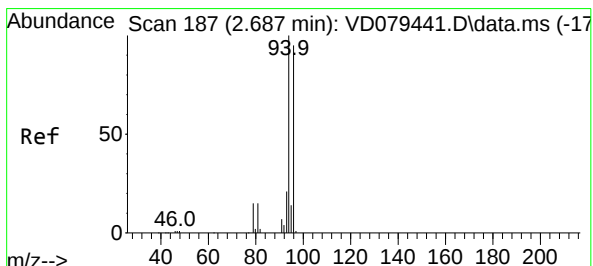
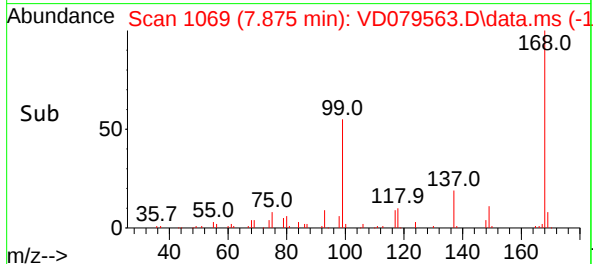
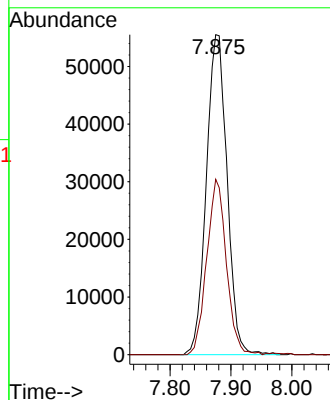
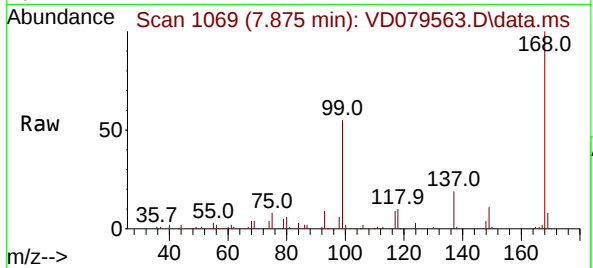




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

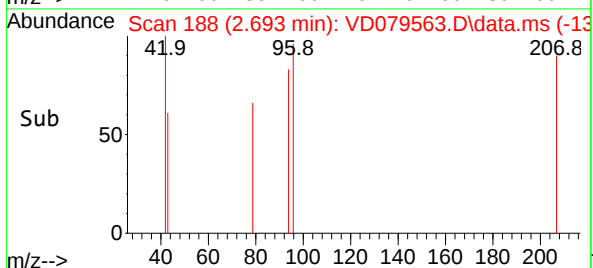
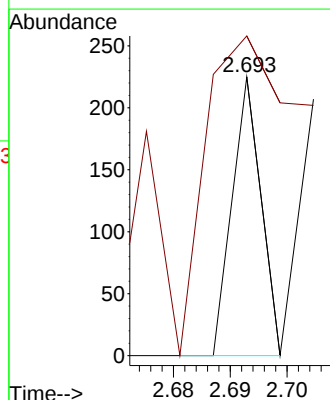
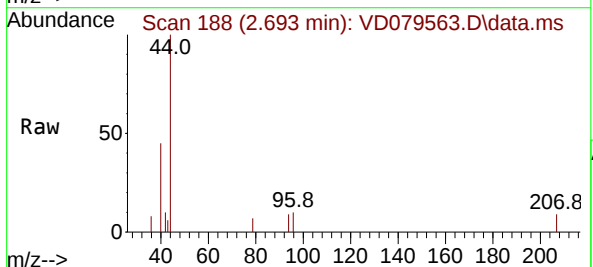
Instrument :
MSVOA_D
ClientSampleId :
S-868-J-SO-2-2.5-073024

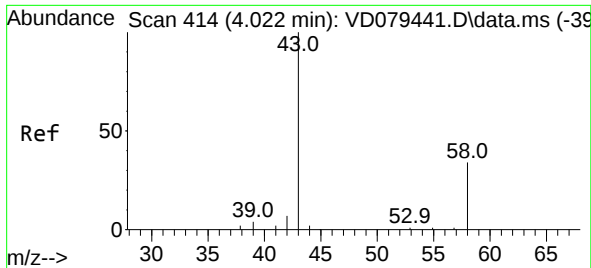
Tgt Ion:168 Resp: 131143
Ion Ratio Lower Upper
168 100
99 54.8 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 478.5 76.9 115.3#





#16

Acetone

Concen: 63.147 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD079563.D

Acq: 03 Aug 2024 02:40

Instrument :

MSVOA_D

ClientSampleId :

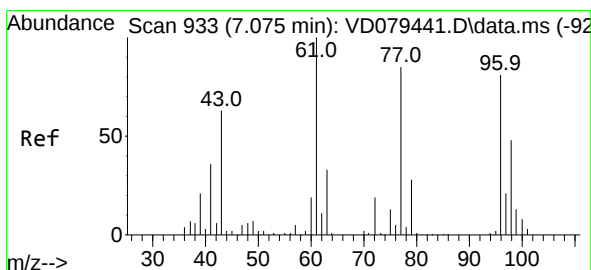
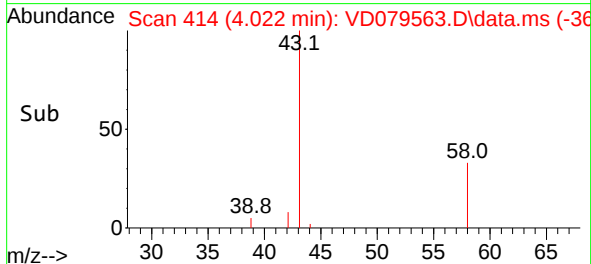
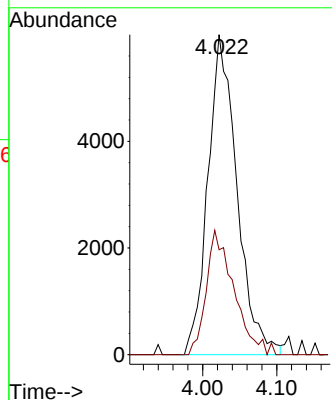
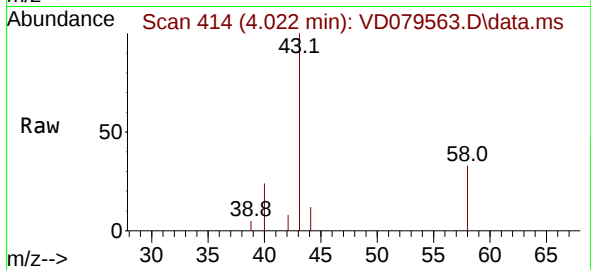
S-868-J-SO-2-2.5-073024

Tgt Ion: 43 Resp: 16350

Ion Ratio Lower Upper

43 100

58 32.8 30.4 45.6



#25

2-Butanone

Concen: 9.995 ug/l

RT: 7.093 min Scan# 936

Delta R.T. -0.000 min

Lab File: VD079563.D

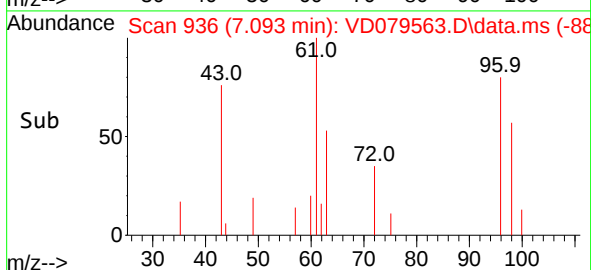
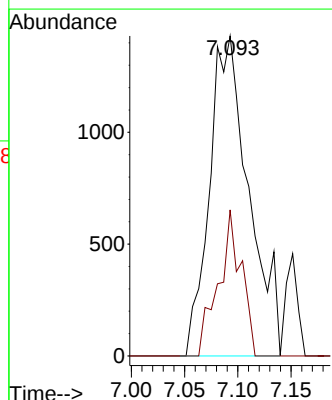
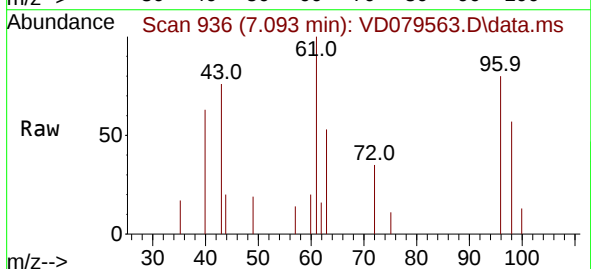
Acq: 03 Aug 2024 02:40

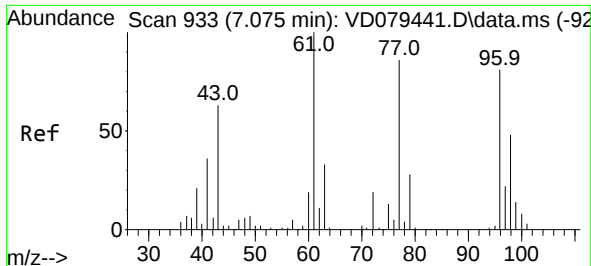
Tgt Ion: 43 Resp: 3669

Ion Ratio Lower Upper

43 100

72 45.6 26.4 39.6#





#27

cis-1,2-Dichloroethene

Concen: 3.018 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD079563.D

Acq: 03 Aug 2024 02:40

Instrument :

MSVOA_D

ClientSampleId :

S-868-J-SO-2-2.5-073024

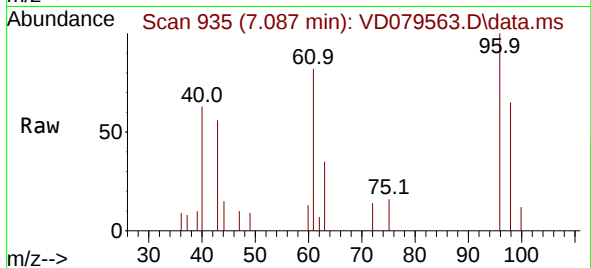
Tgt Ion: 96 Resp: 5491

Ion Ratio Lower Upper

96 100

61 115.8 0.0 229.0

98 64.1 0.0 127.2



Abundance

7.087

2500

2000

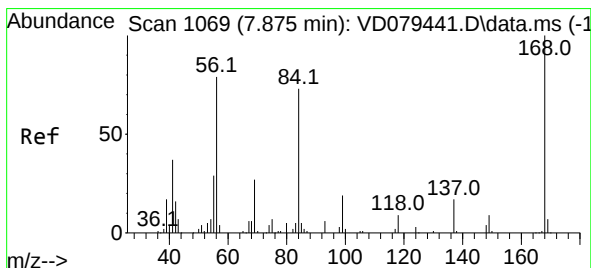
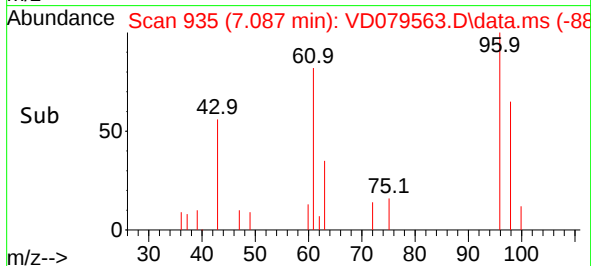
1500

1000

500

0

Time-->



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079563.D

Acq: 03 Aug 2024 02:40

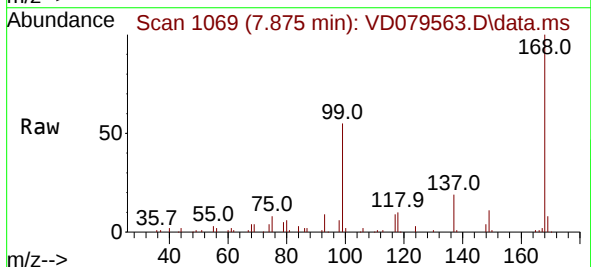
Tgt Ion: 56 Resp: 2633

Ion Ratio Lower Upper

56 100

69 202.5 28.0 42.0#

84 148.8 87.4 131.0#



Abundance

7.875

2000

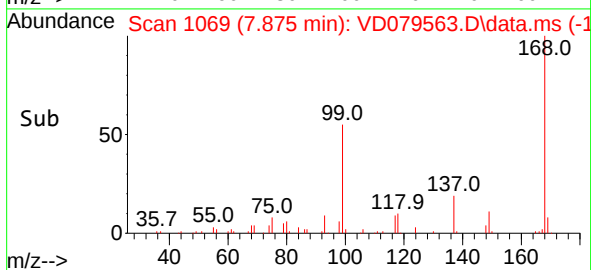
1500

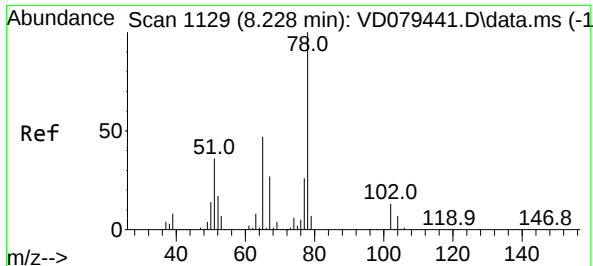
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 59.498 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079563.D

Acq: 03 Aug 2024 02:40

Instrument :

MSVOA_D

ClientSampleId :

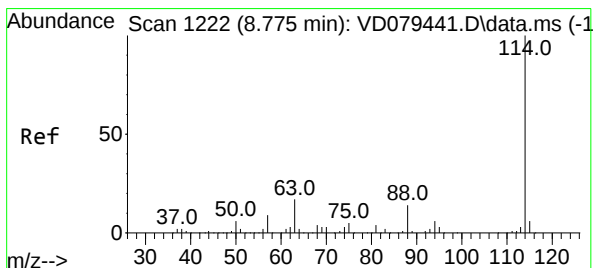
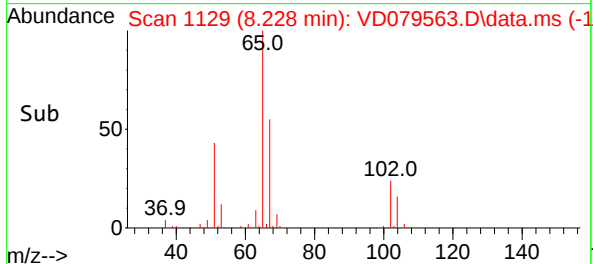
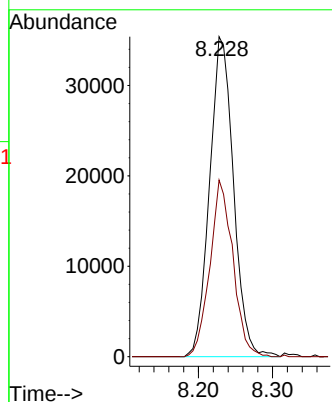
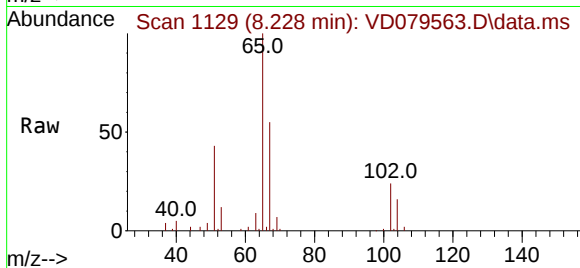
S-868-J-SO-2-2.5-073024

Tgt Ion: 65 Resp: 79269

Ion Ratio Lower Upper

65 100

67 53.1 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: VD079563.D

Acq: 03 Aug 2024 02:40

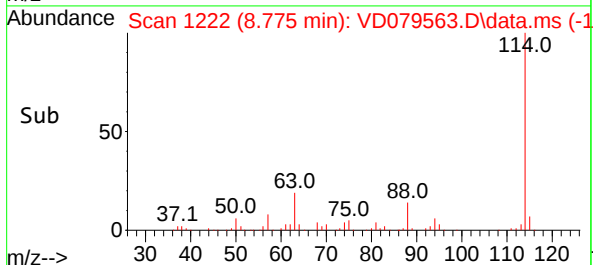
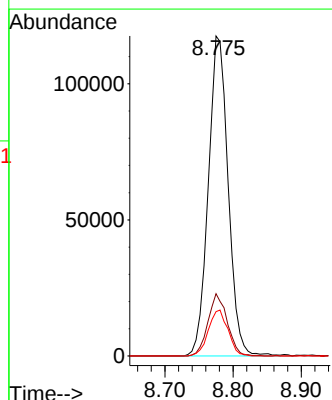
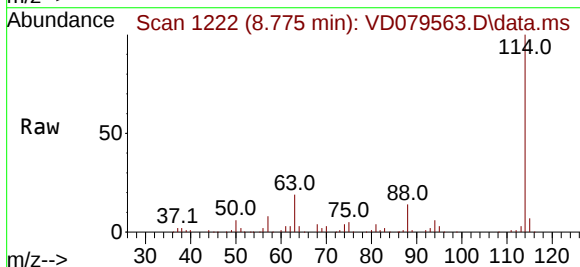
Tgt Ion: 114 Resp: 238126

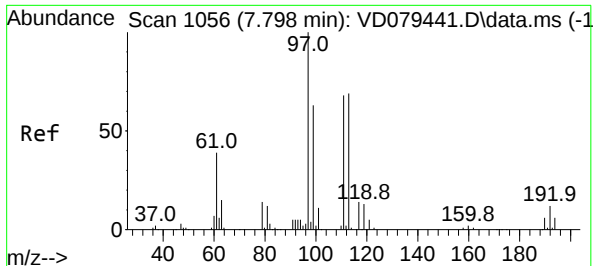
Ion Ratio Lower Upper

114 100

63 19.4 0.0 34.0

88 13.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.936 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079563.D

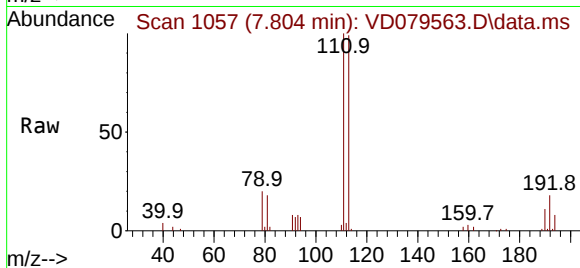
Acq: 03 Aug 2024 02:40

Instrument :

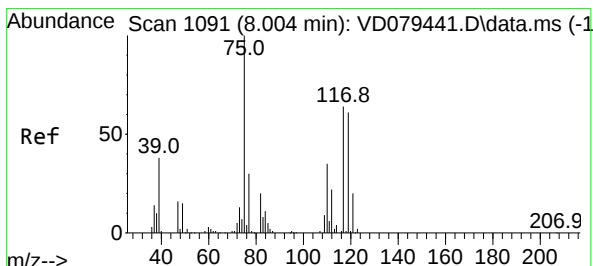
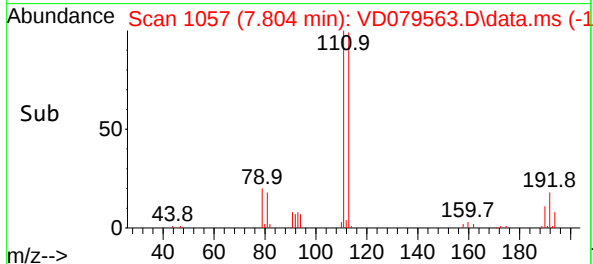
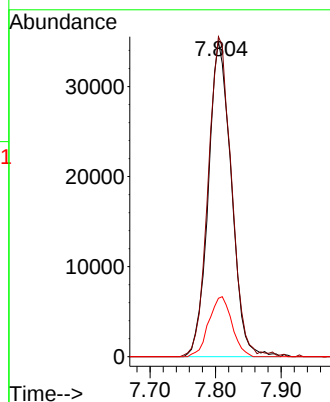
MSVOA_D

ClientSampleId :

S-868-J-SO-2-2.5-073024



Tgt Ion:	113	Resp:	85320
Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.0	126.0
192	19.1	15.4	23.0



#36

1,1-Dichloropropene

Concen: 5.042 ug/l

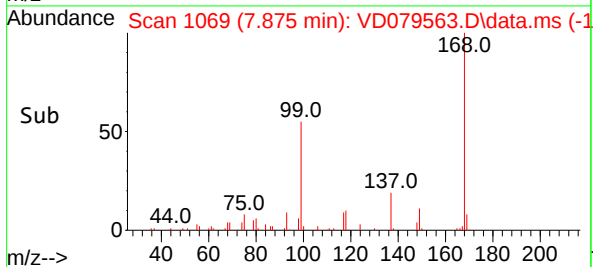
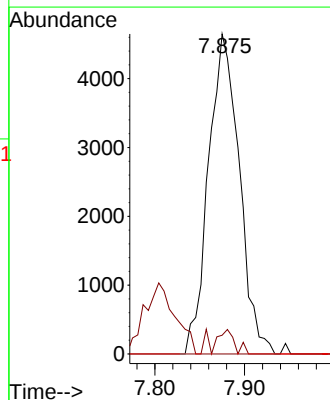
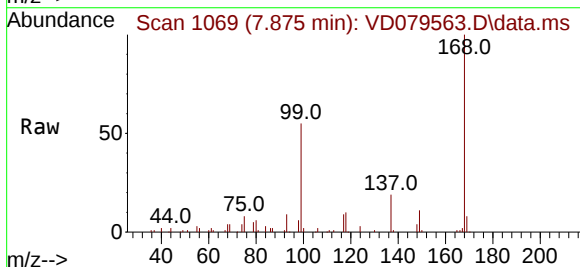
RT: 7.875 min Scan# 1069

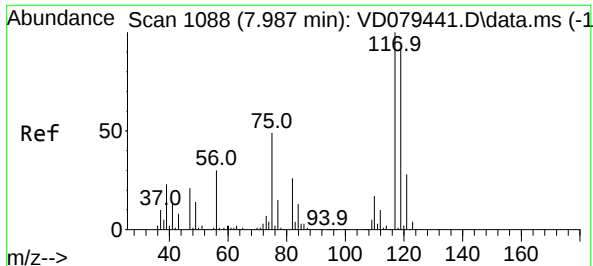
Delta R.T. -0.135 min

Lab File: VD079563.D

Acq: 03 Aug 2024 02:40

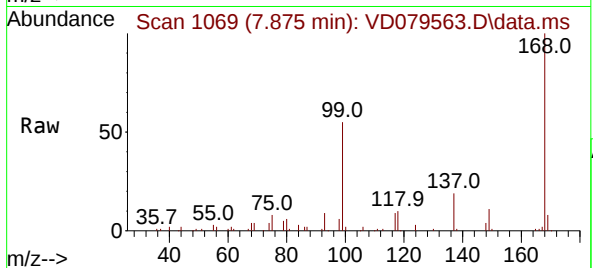
Tgt Ion:	75	Resp:	11092
Ion	Ratio	Lower	Upper
75	100		
110	4.1	19.6	58.7#
77	0.0	26.1	39.1#



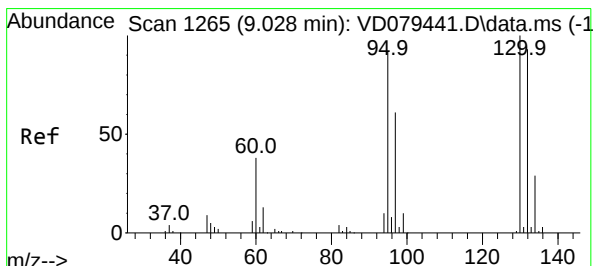
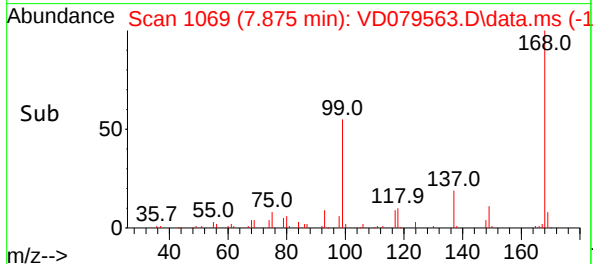
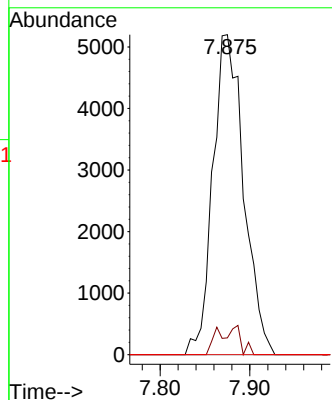


#38
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

Instrument :
MSVOA_D
ClientSampleId :
S-868-J-SO-2-2.5-073024

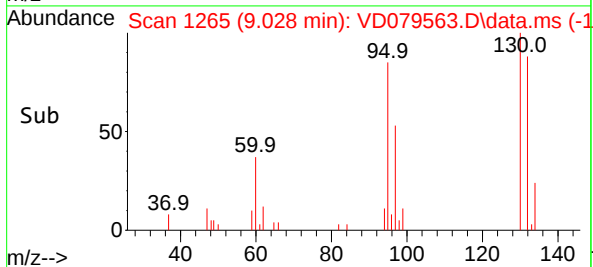
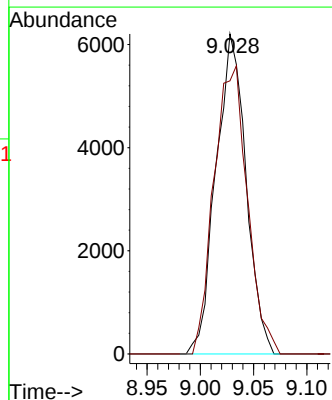
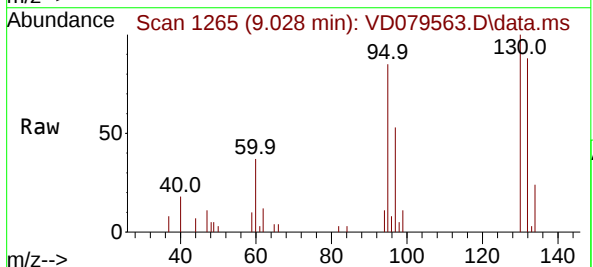


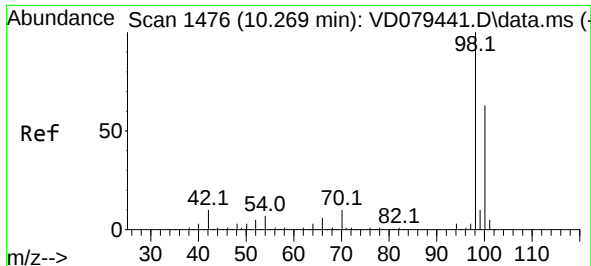
Tgt Ion:117 Resp: 12425
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 7.003 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

Tgt Ion:130 Resp: 12180
Ion Ratio Lower Upper
130 100
95 85.4 0.0 177.8

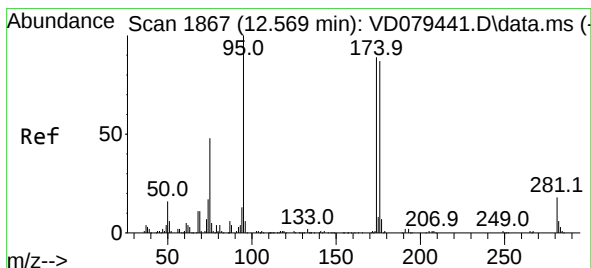
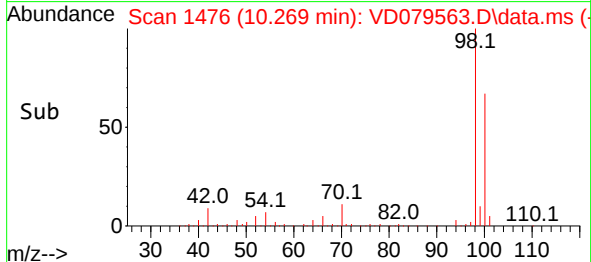
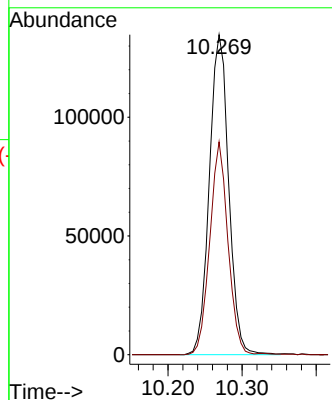
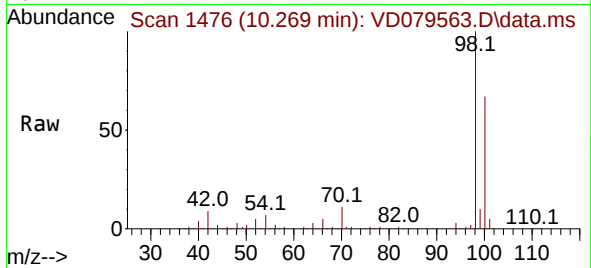




#50
Toluene-d8
Concen: 39.022 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

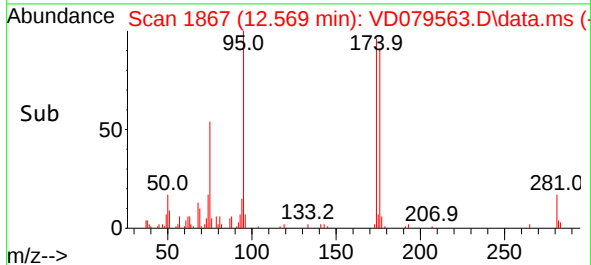
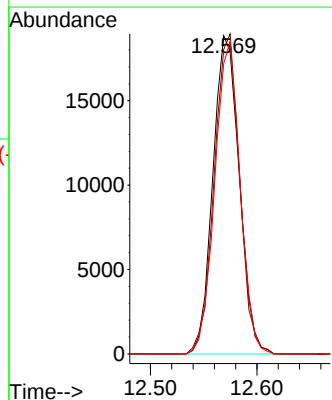
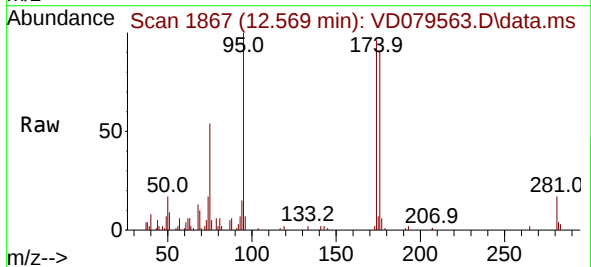
Instrument :
MSVOA_D
ClientSampleId :
S-868-J-SO-2-2.5-073024

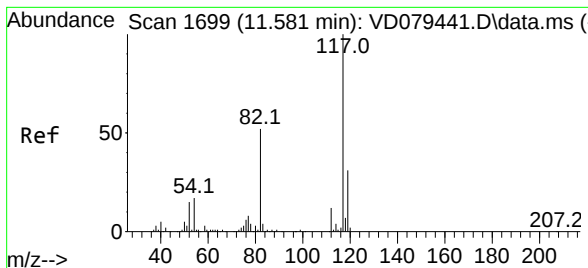
Tgt Ion: 98 Resp: 244239
Ion Ratio Lower Upper
98 100
100 62.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 17.838 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

Tgt Ion: 95 Resp: 32309
Ion Ratio Lower Upper
95 100
174 96.8 0.0 195.4
176 94.2 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079563.D

Acq: 03 Aug 2024 02:40

Instrument :

MSVOA_D

ClientSampleId :

S-868-J-SO-2-2.5-073024

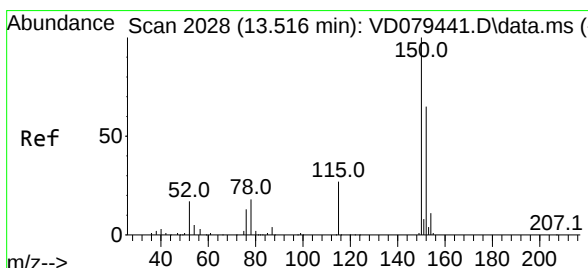
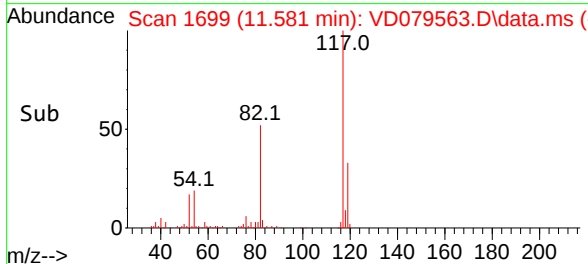
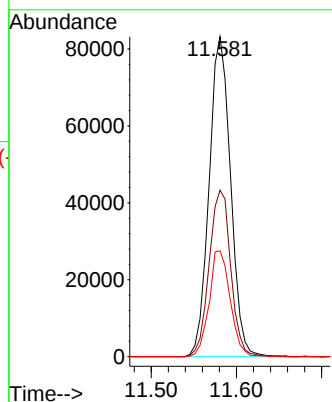
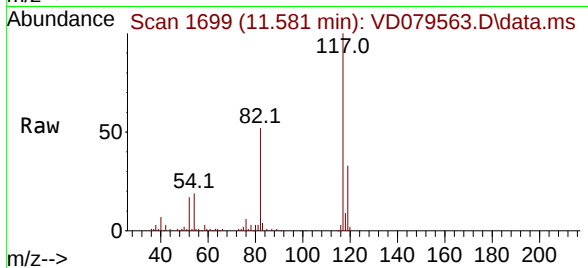
Tgt Ion:117 Resp: 145510

Ion Ratio Lower Upper

117 100

82 52.0 39.8 59.6

119 33.1 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: VD079563.D

Acq: 03 Aug 2024 02:40

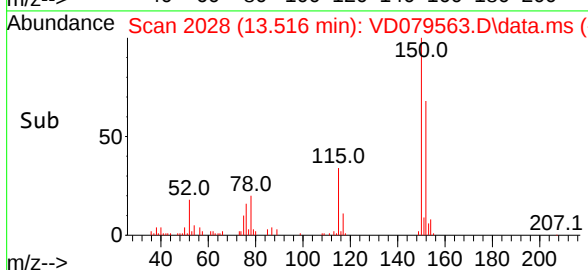
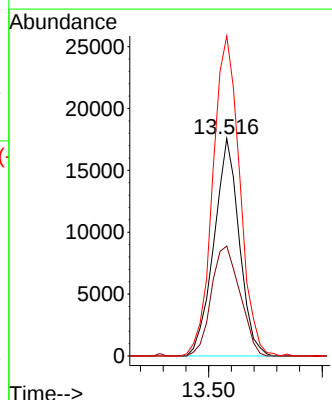
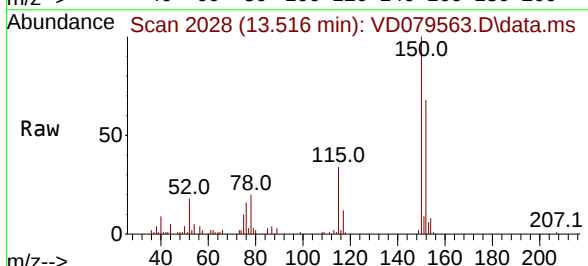
Tgt Ion:152 Resp: 27179

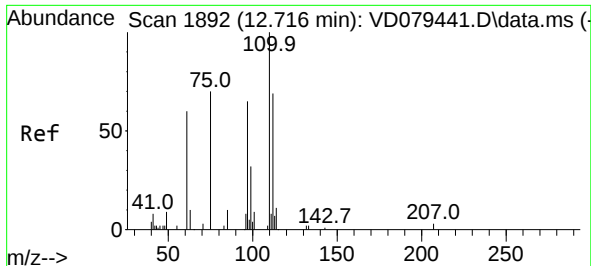
Ion Ratio Lower Upper

152 100

115 57.2 26.5 79.5

150 156.6 0.0 341.6

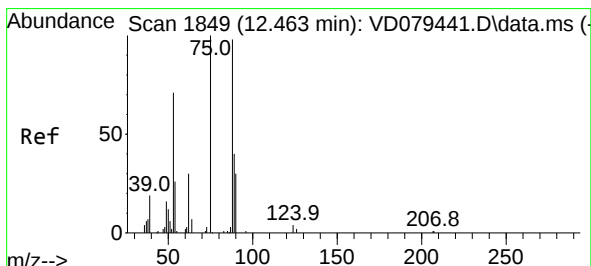
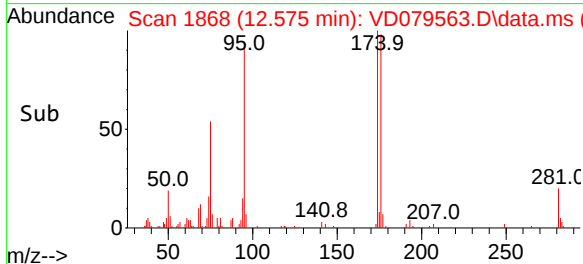
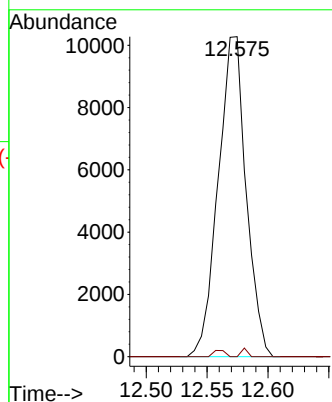
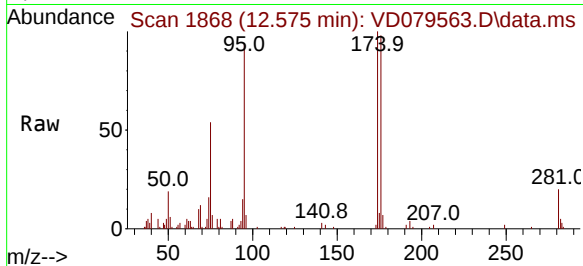




#76
1,2,3-Trichloropropane
Concen: 69.188 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

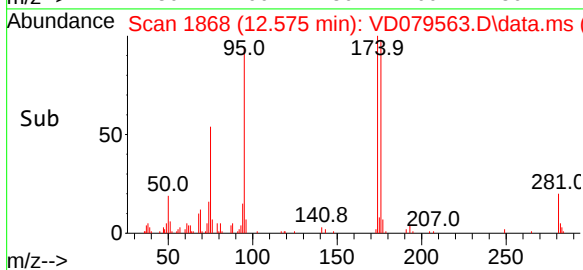
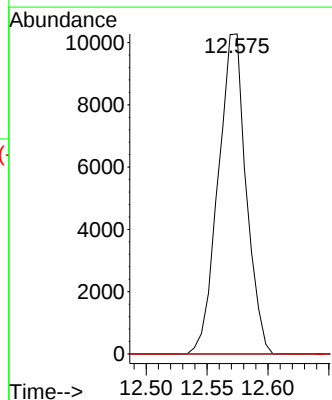
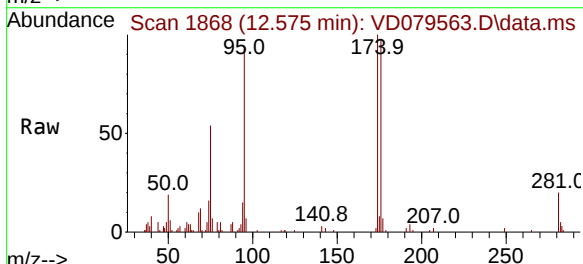
Instrument :
MSVOA_D
ClientSampleId :
S-868-J-SO-2-2.5-073024

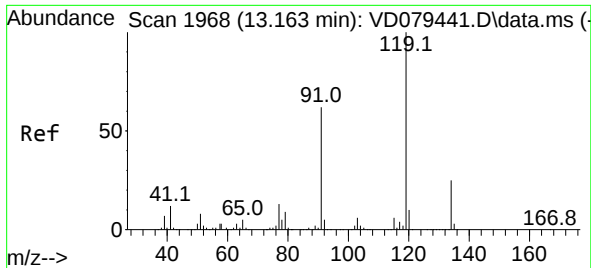
Tgt Ion: 75 Resp: 16437
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.959 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

Tgt Ion: 75 Resp: 16437
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

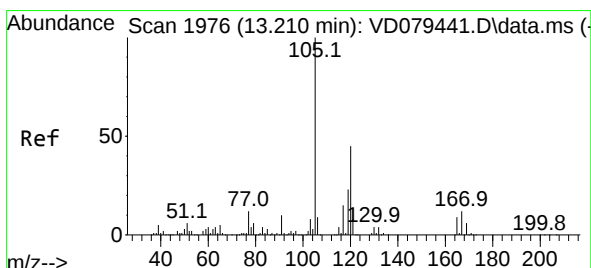
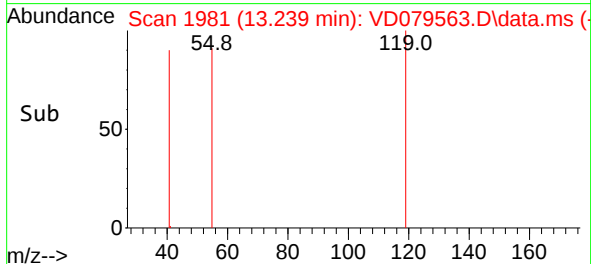
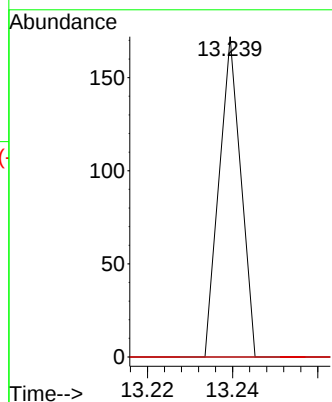
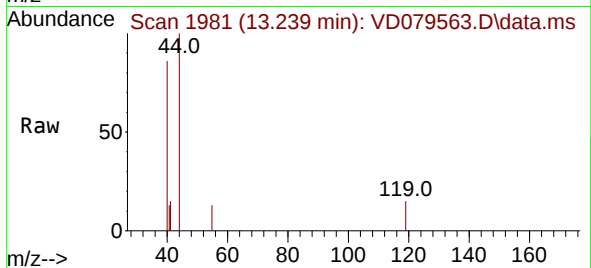




#83
tert-Butylbenzene
Concen: 3.666 ug/l
RT: 13.239 min Scan# 1981
Delta R.T. 0.076 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

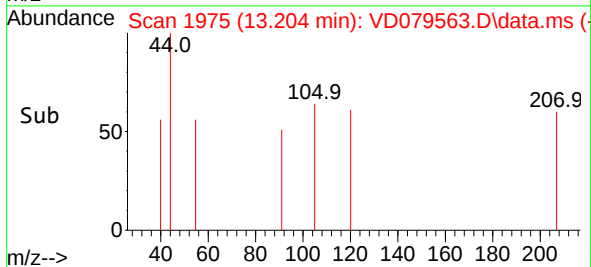
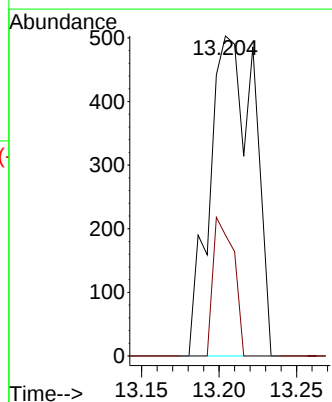
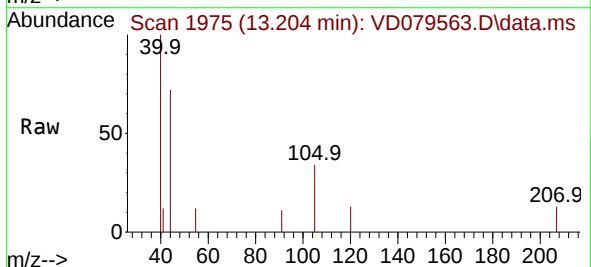
Instrument :
MSVOA_D
ClientSampleId :
S-868-J-SO-2-2.5-073024

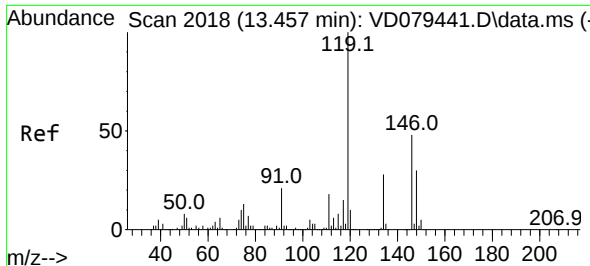
Tgt Ion:	119	Resp:	61
Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.2	84.7#
134	0.0	13.4	40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.974 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

Tgt Ion:	105	Resp:	998
Ion	Ratio	Lower	Upper
105	100		
120	20.2	23.6	71.0#

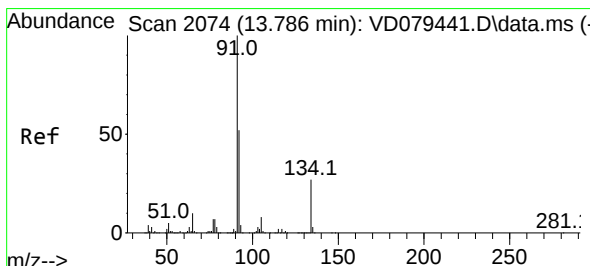
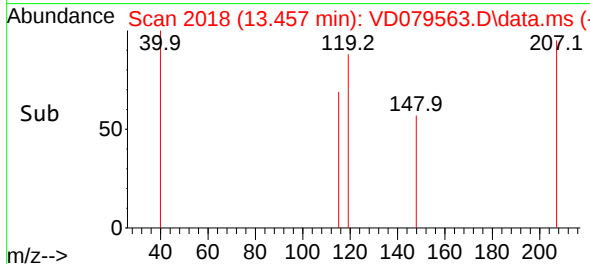
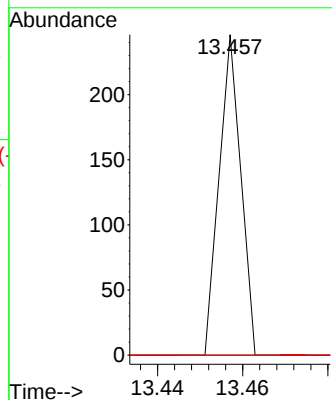
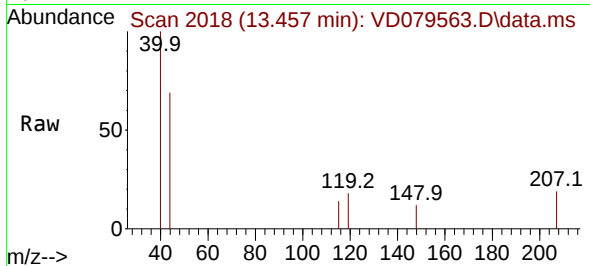




#86
p-Isopropyltoluene
Concen: 3.929 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

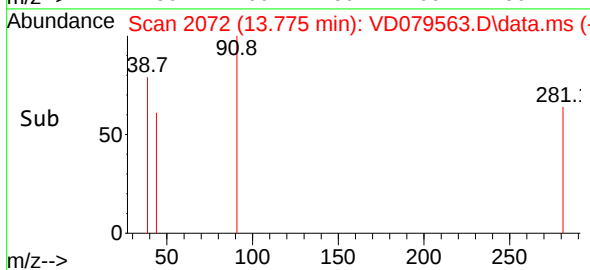
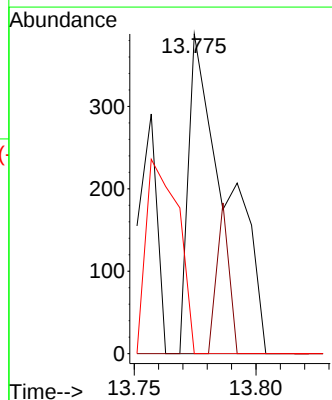
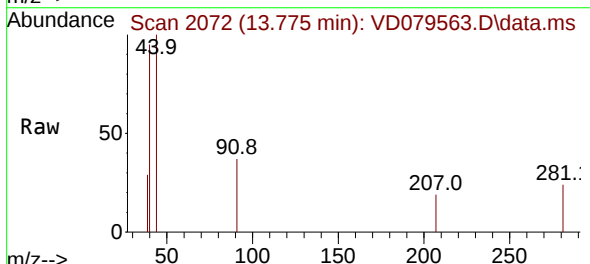
Instrument :
MSVOA_D
ClientSampleId :
S-868-J-SO-2-2.5-073024

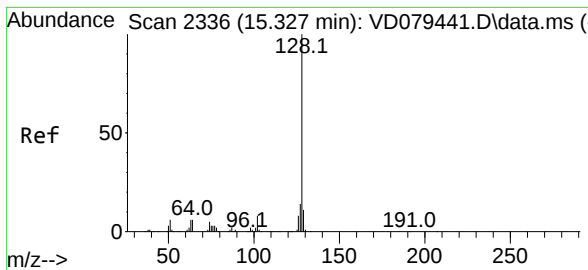
Tgt Ion:	119	Resp:	87
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89
n-Butylbenzene
Concen: 4.006 ug/l
RT: 13.775 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VD079563.D
Acq: 03 Aug 2024 02:40

Tgt Ion:	91	Resp:	426
Ion	Ratio	Lower	Upper
91	100		
92	15.3	25.7	77.0#
134	0.0	13.6	40.8#





#95

Naphthalene

Concen: 3.734 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD079563.D

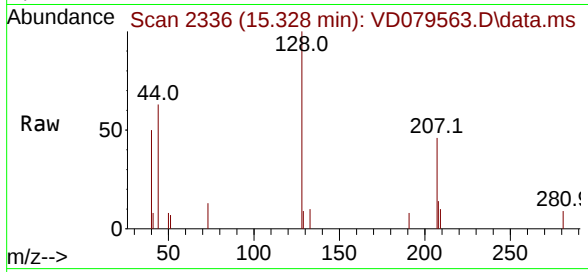
Acq: 03 Aug 2024 02:40

Instrument :

MSVOA_D

ClientSampleId :

S-868-J-SO-2-2.5-073024



Tgt Ion:128 Resp: 3285

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 8.8 8.5 12.7

