

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079651.D
 Acq On : 07 Aug 2024 19:52
 Operator : RP/MD
 Sample : P3393-16
 Misc : 7.06G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:55:05 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)

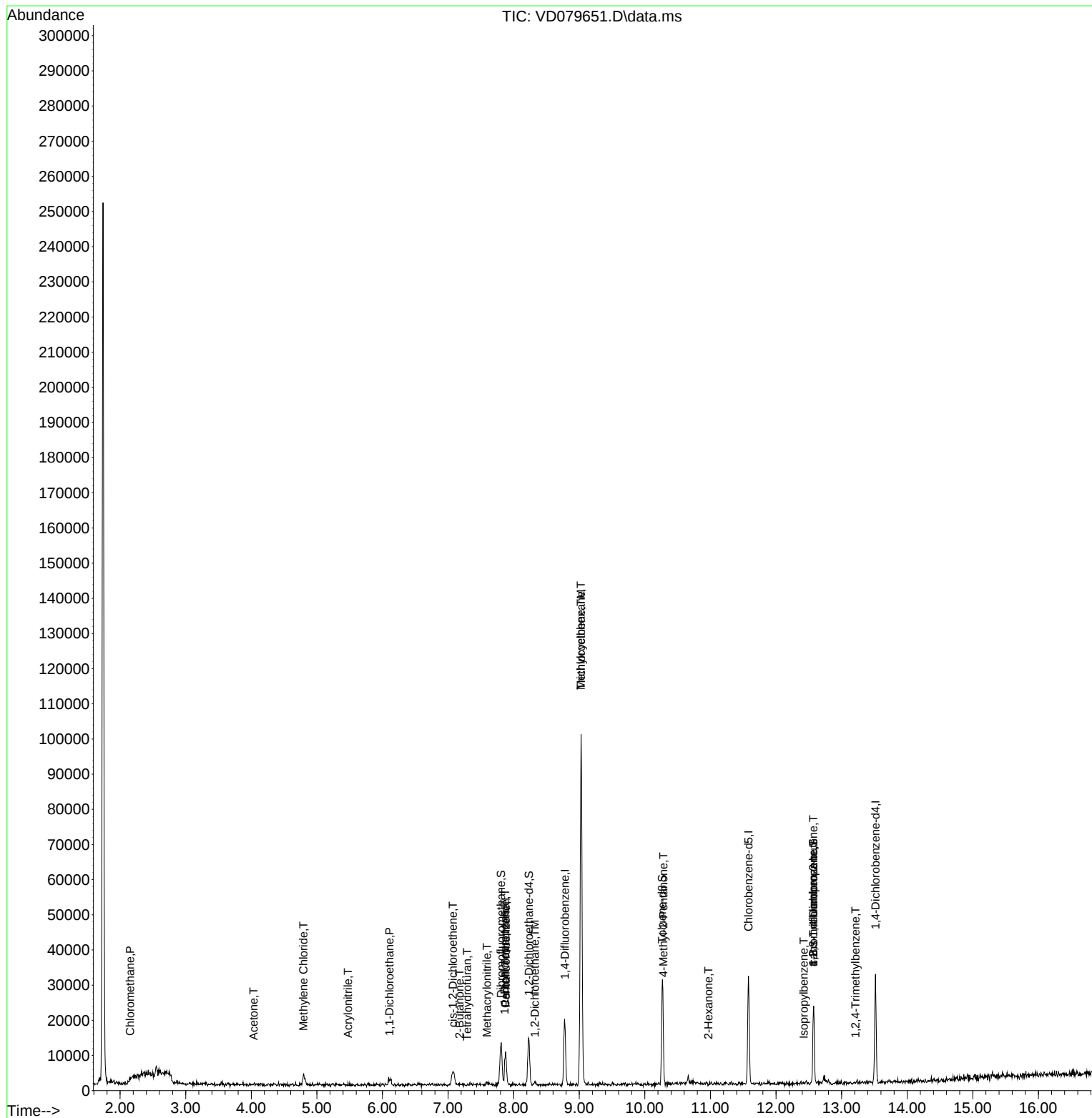
Internal Standards						
1) Pentafluorobenzene	7.881	168	7698	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	17343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	19057	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	10001	127.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 255.760%#	
35) Dibromofluoromethane	7.810	113	8793	74.907	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 149.820%#	
50) Toluene-d8	10.263	98	21749	47.711	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.420%	
62) 4-Bromofluorobenzene	12.569	95	7058	53.504	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	132	1.188	ug/l	# 40
13) Acrolein	3.634	56	68	Below Cal	#	15
15) Acrylonitrile	5.475	53	64	3.450	ug/l	# 17
16) Acetone	4.034	43	191	12.567	ug/l	# 37
20) Methylene Chloride	4.793	84	2306	7.521	ug/l	# 84
24) 1,1-Dichloroethane	6.104	63	2269	13.855	ug/l	# 78
25) 2-Butanone	7.175	43	53	2.460	ug/l	# 42
27) cis-1,2-Dichloroethene	7.075	96	1678	15.711	ug/l	38
29) Tetrahydrofuran	7.293	42	58	4.343	ug/l	# 21
36) 1,1-Dichloropropene	7.863	75	579	3.614	ug/l	# 39
38) Carbon Tetrachloride	7.875	117	744	4.417	ug/l	# 13
39) Methylcyclohexane	9.028	83	480	2.511	ug/l	# 16
41) Methacrylonitrile	7.593	41	63	1.744	ug/l	# 12
42) 1,2-Dichloroethane	8.322	62	124	1.023	ug/l	# 67
44) Trichloroethene	9.028	130	37657	297.266	ug/l	98
51) 4-Methyl-2-Pentanone	10.281	43	134	2.126	ug/l	# 76
59) 2-Hexanone	10.969	43	65	1.479	ug/l	# 19
73) Isopropylbenzene	12.422	105	55	3.708	ug/l	# 48
76) 1,2,3-Trichloropropane	12.569	75	3601	48.782	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	3601	93.041	ug/l	# 19
84) 1,2,4-Trimethylbenzene	13.210	105	58	3.531	ug/l	# 29

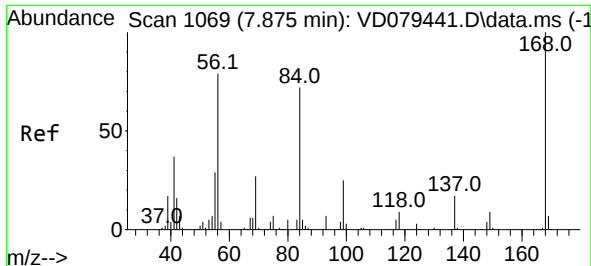
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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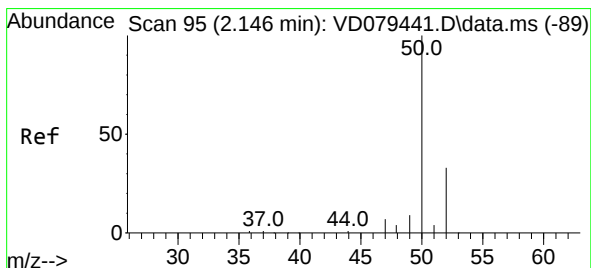
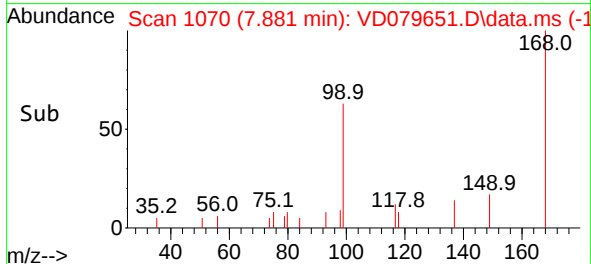
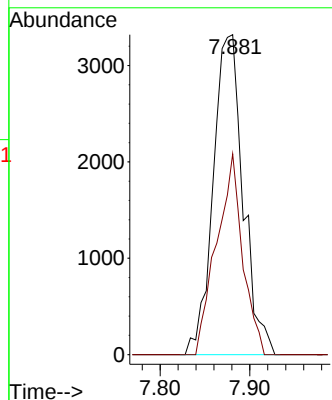
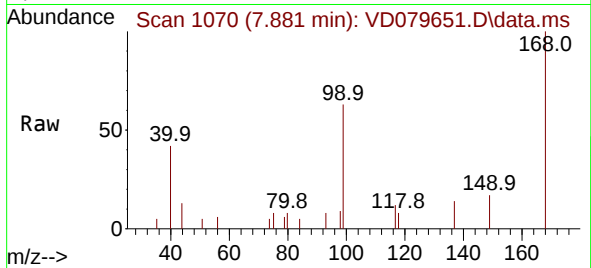




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

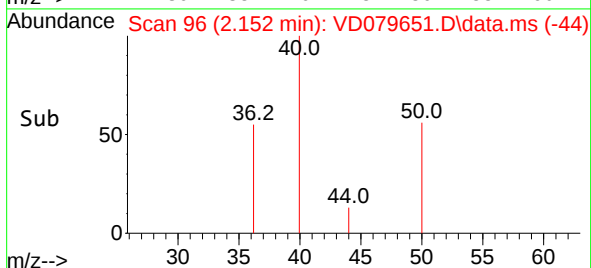
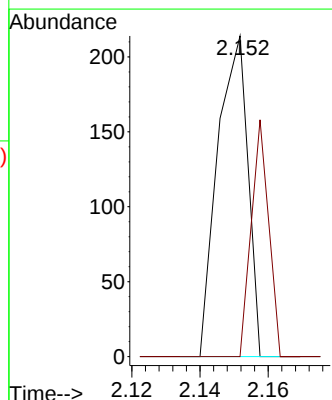
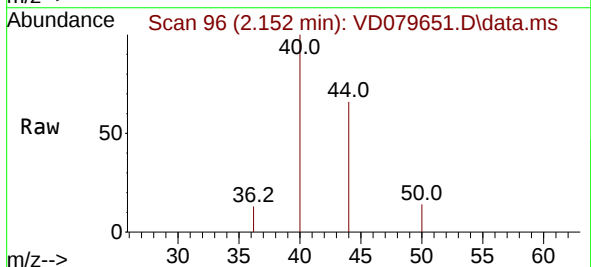
Instrument :
MSVOA_D
ClientSampleId :

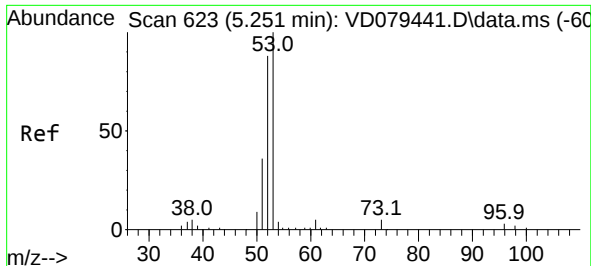
Tgt Ion:168 Resp: 7698
Ion Ratio Lower Upper
168 100
99 62.8 41.1 61.7#



#3
Chloromethane
Concen: 1.188 ug/l
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

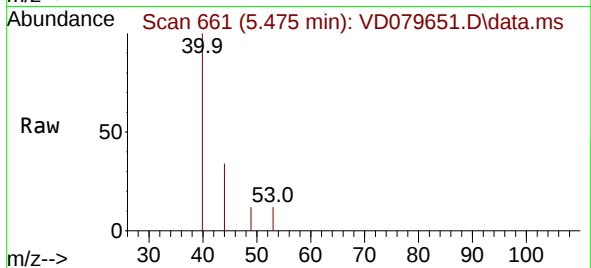
Tgt Ion: 50 Resp: 132
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#



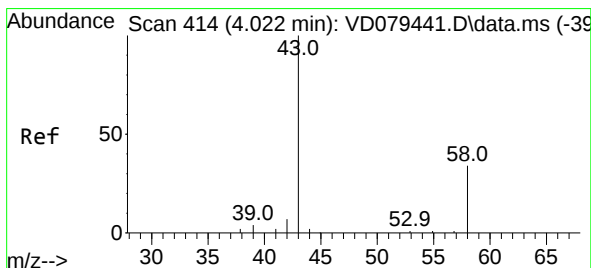
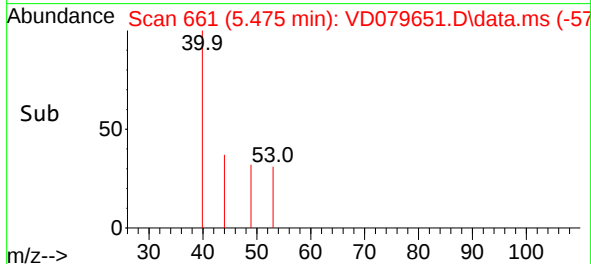
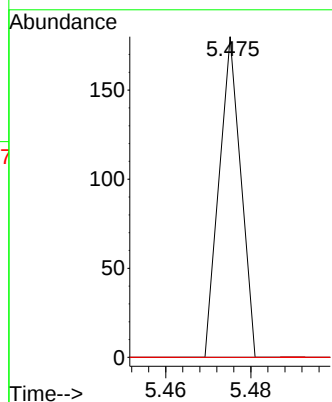


#15
Acrylonitrile
Concen: 3.450 ug/l
RT: 5.475 min Scan# 61
Delta R.T. 0.223 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Instrument :
MSVOA_D
ClientSampleId :

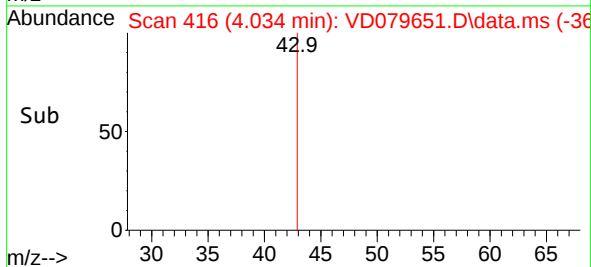
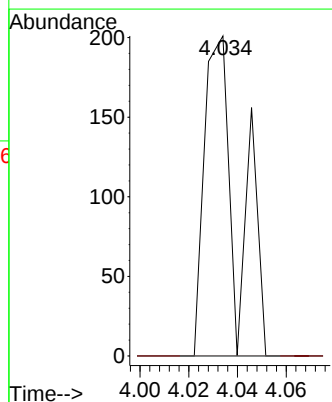
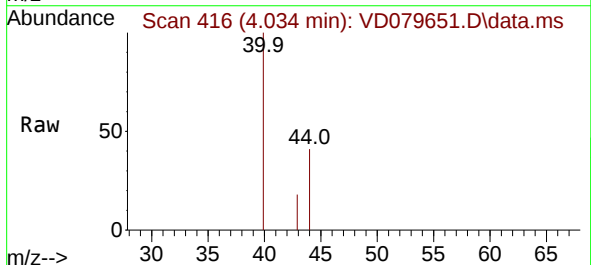


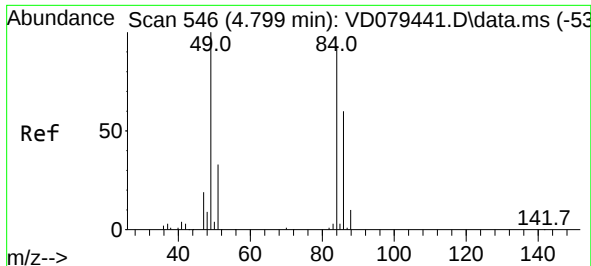
Tgt Ion: 53 Resp: 64
Ion Ratio Lower Upper
53 100
52 0.0 67.7 101.5#
51 0.0 28.6 42.8#



#16
Acetone
Concen: 12.567 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

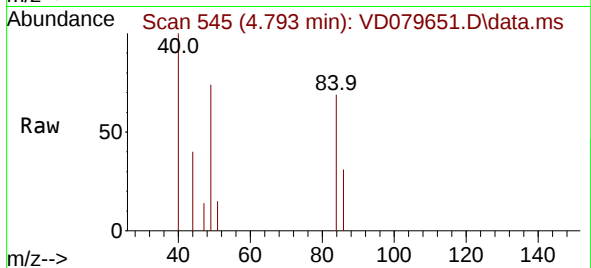
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



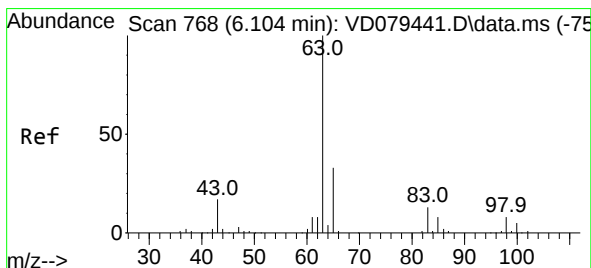
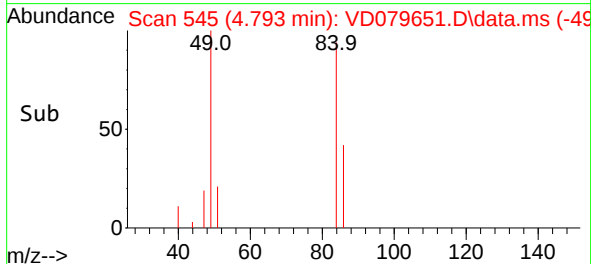
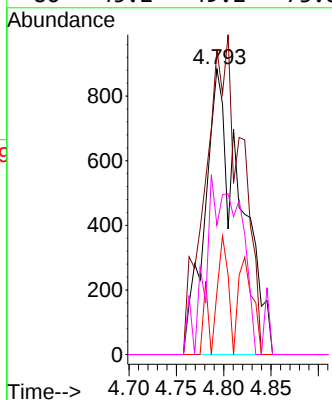


#20
Methylene Chloride
Concen: 7.521 ug/l
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Instrument :
MSVOA_D
ClientSampleId :

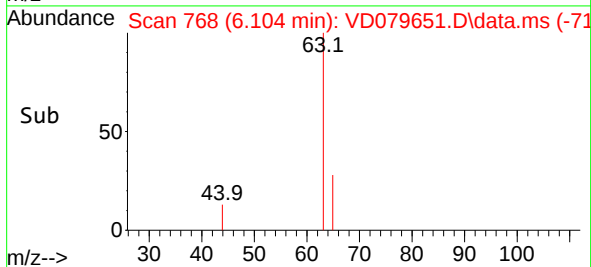
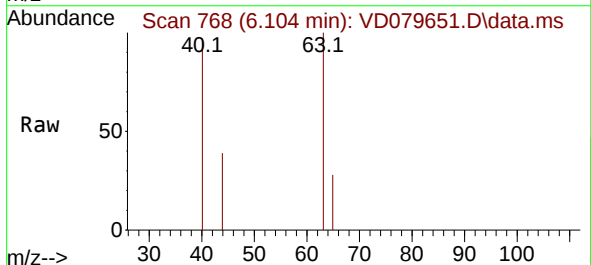
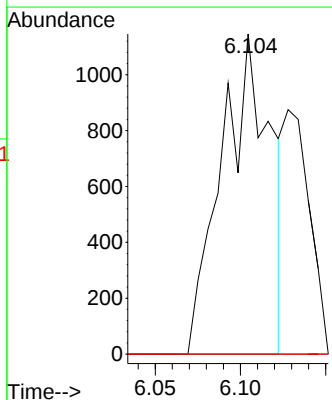


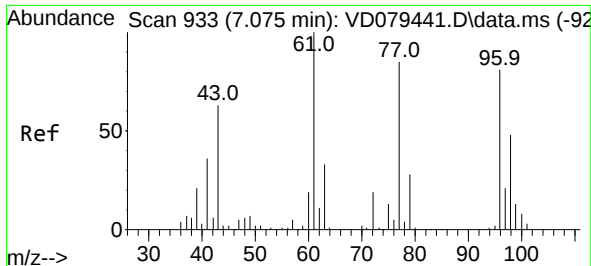
Tgt Ion:	84	Resp:	2306
Ion	Ratio	Lower	Upper
84	100		
49	106.9	75.6	113.4
51	21.9	24.2	36.2#
86	45.2	49.2	73.8#



#24
1,1-Dichloroethane
Concen: 13.855 ug/l
RT: 6.104 min Scan# 768
Delta R.T. -0.000 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Tgt Ion:	63	Resp:	2269
Ion	Ratio	Lower	Upper
63	100		
98	0.0	4.7	14.0#
100	0.0	2.9	8.6#





#25

2-Butanone

Concen: 2.460 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.082 min

Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

Instrument :

MSVOA_D

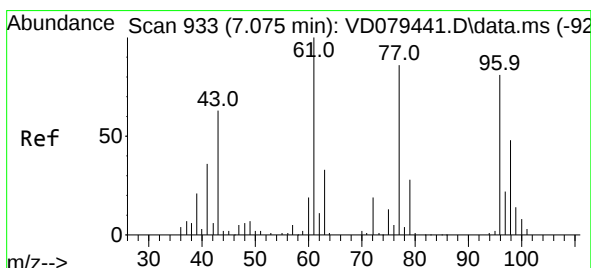
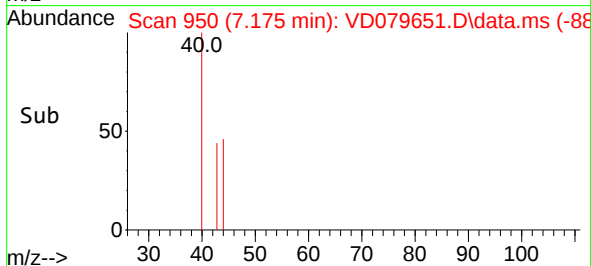
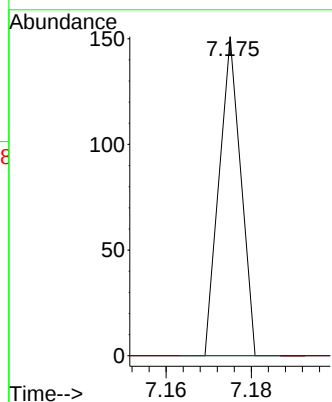
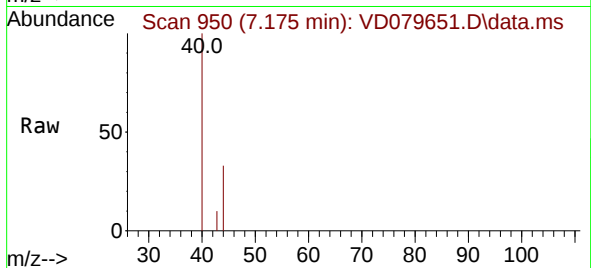
ClientSampleId :

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



#27

cis-1,2-Dichloroethene

Concen: 15.711 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.000 min

Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

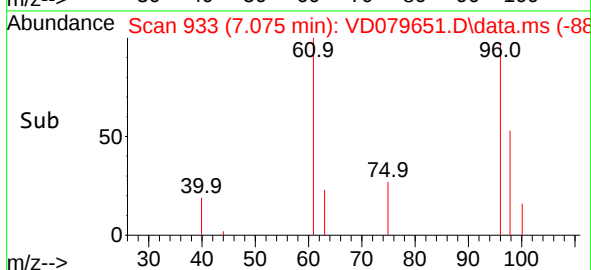
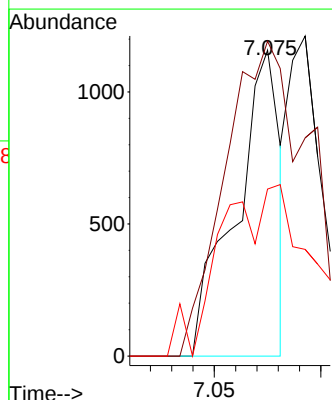
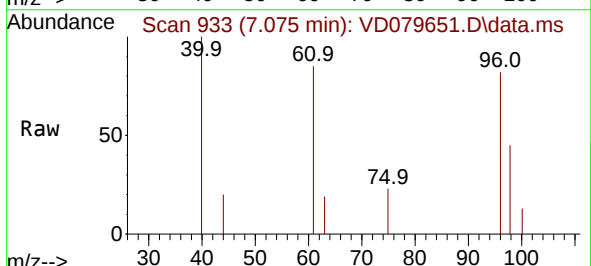
Tgt Ion: 96 Resp: 1678

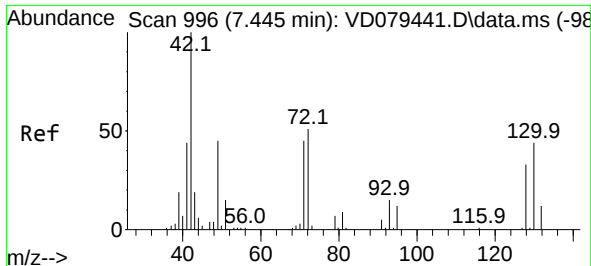
Ion Ratio Lower Upper

96 100

61 209.1 0.0 229.0

98 51.5 0.0 127.2





#29

Tetrahydrofuran

Concen: 4.343 ug/l

RT: 7.293 min Scan# 91

Delta R.T. -0.153 min

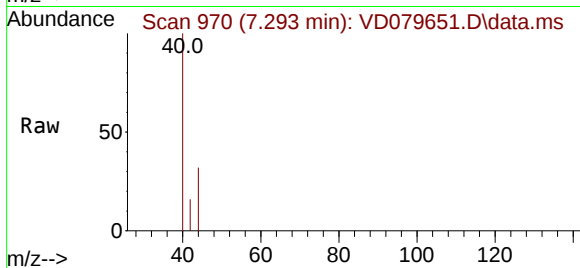
Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

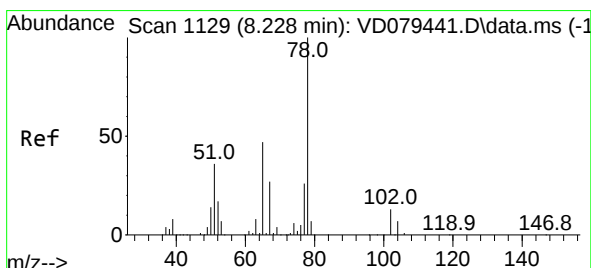
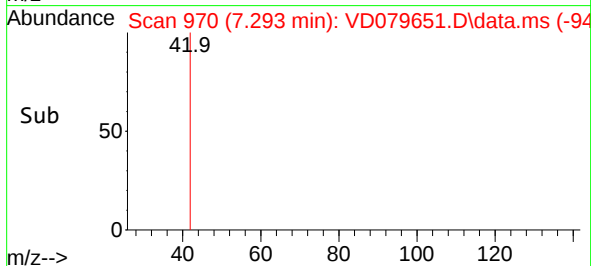
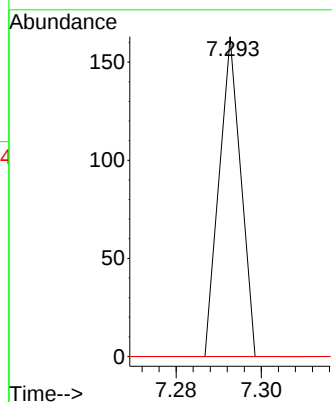
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	58
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: 127.883 ug/l

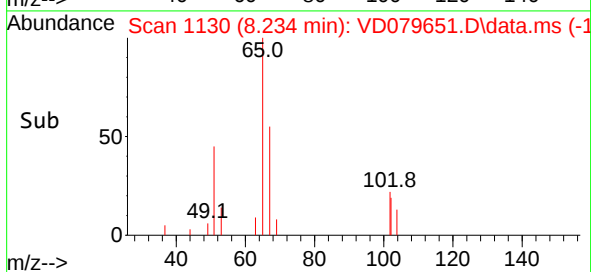
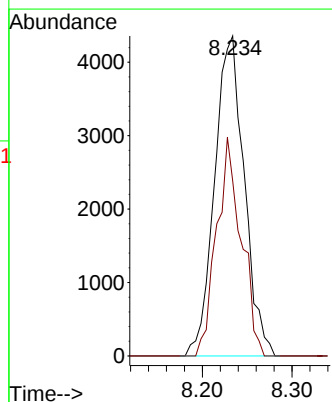
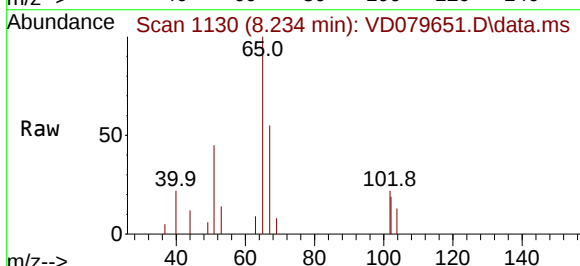
RT: 8.234 min Scan# 1130

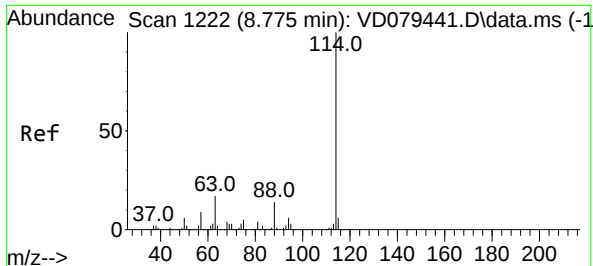
Delta R.T. 0.006 min

Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

Tgt Ion:	65	Resp:	10001
Ion Ratio	Lower	Upper	
65	100		
67	56.8	0.0	111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079651.D

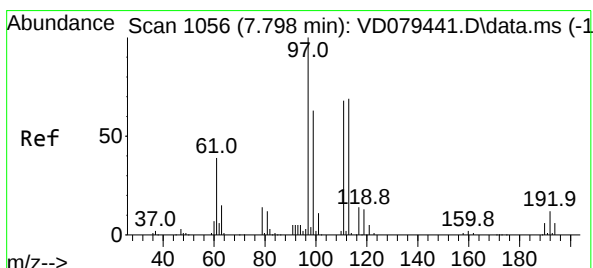
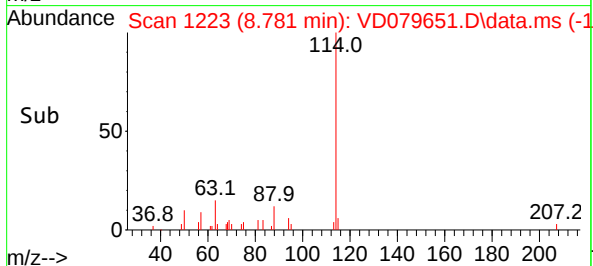
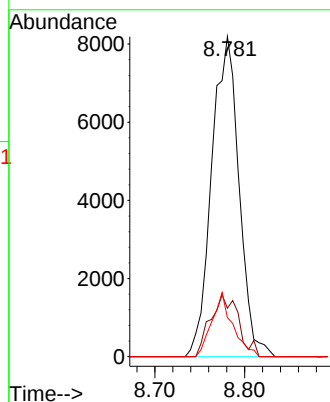
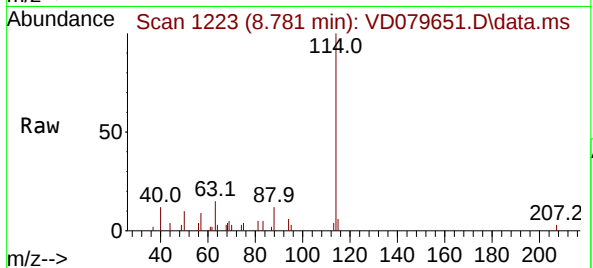
Acq: 07 Aug 2024 19:52

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	17343
Ion	Ratio	Lower Upper
114	100	
63	15.1	0.0 34.0
88	12.2	0.0 27.2



#35

Dibromofluoromethane

Concen: 74.907 ug/l

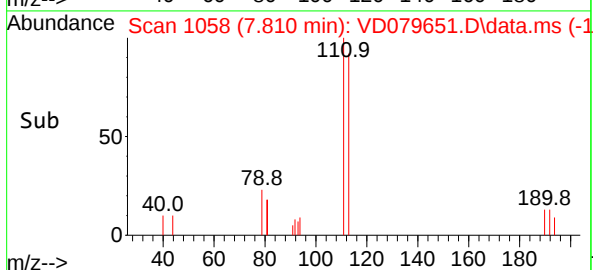
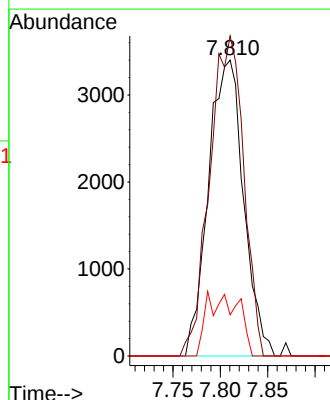
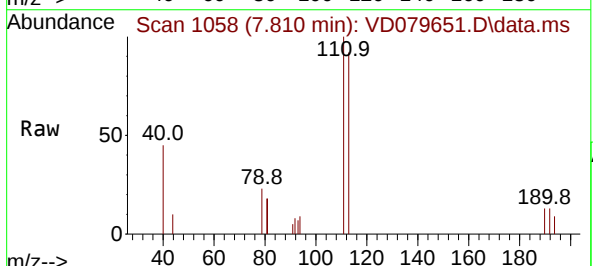
RT: 7.810 min Scan# 1058

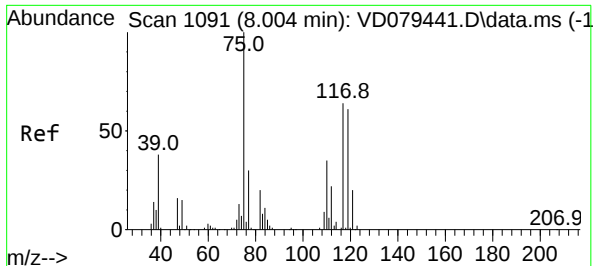
Delta R.T. 0.006 min

Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

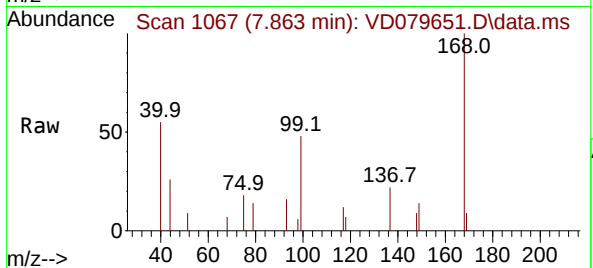
Tgt Ion:113	Resp:	8793
Ion	Ratio	Lower Upper
113	100	
111	104.5	84.0 126.0
192	0.0	15.4 23.0



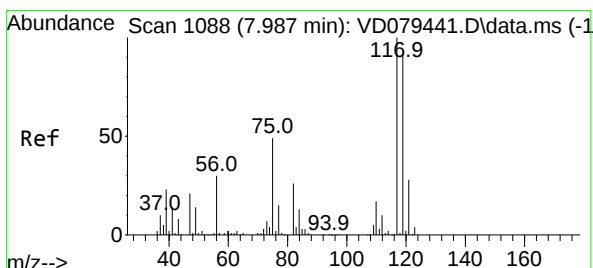
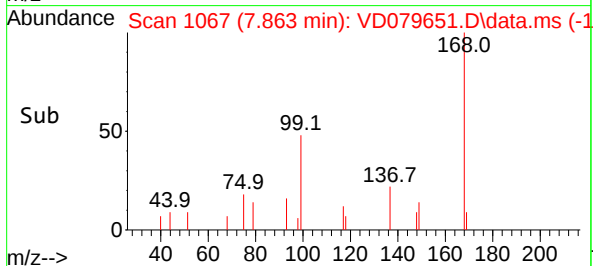
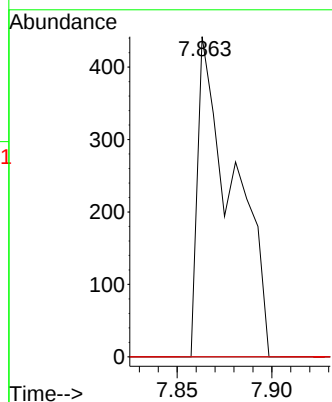


#36
1,1-Dichloropropene
Concen: 3.614 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

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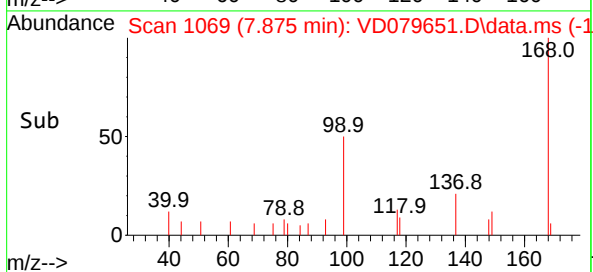
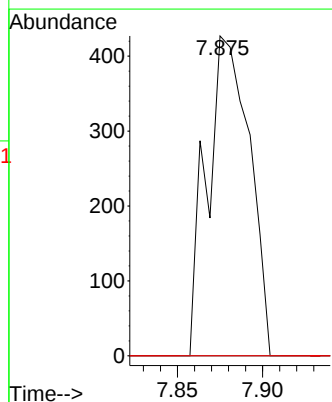
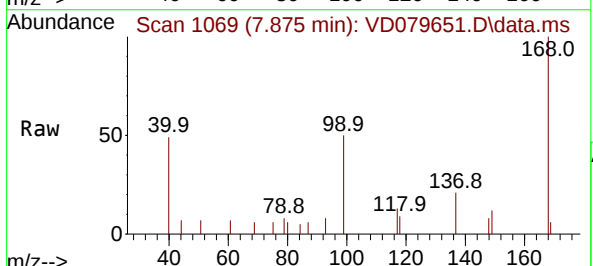


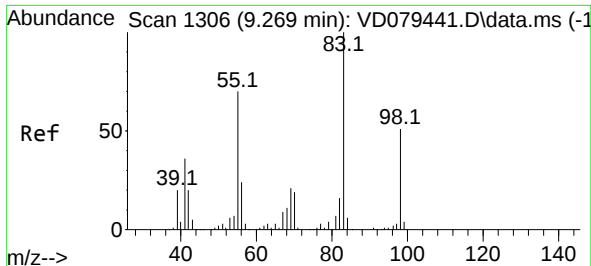
Tgt Ion: 75 Resp: 579
Ion Ratio Lower Upper
75 100
110 0.0 19.6 58.7#
77 0.0 26.1 39.1#



#38
Carbon Tetrachloride
Concen: 4.417 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Tgt Ion: 117 Resp: 744
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 2.511 ug/l

RT: 9.028 min Scan# 11

Delta R.T. -0.247 min

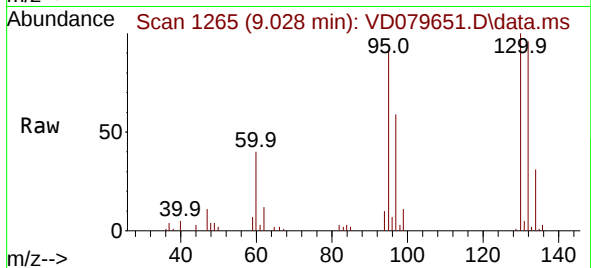
Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

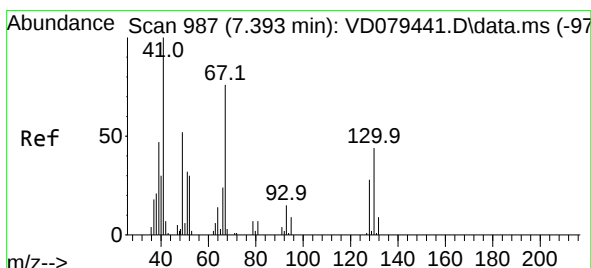
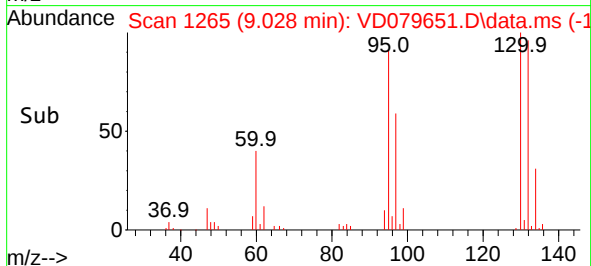
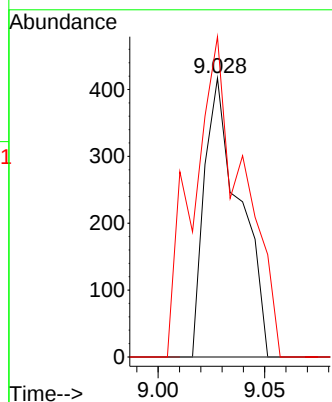
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	83	Resp:	480
Ion	Ratio	Lower	Upper
83	100		
55	0.0	50.1	75.1#
98	114.9	41.9	62.9#



#41

Methacrylonitrile

Concen: 1.744 ug/l

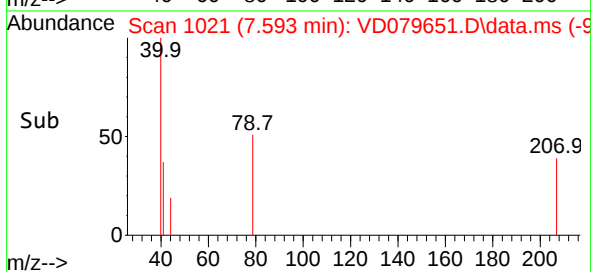
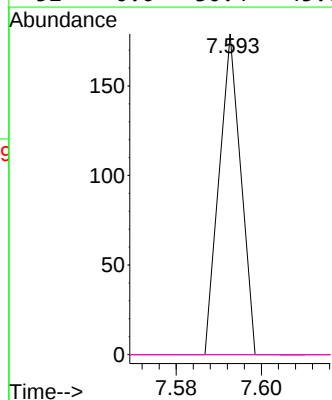
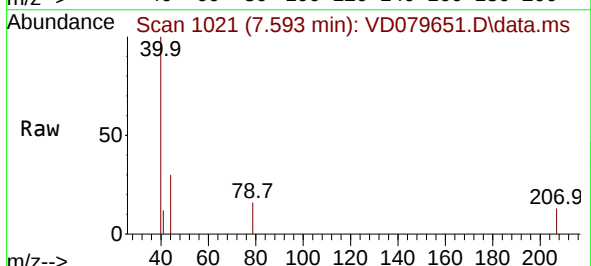
RT: 7.593 min Scan# 1021

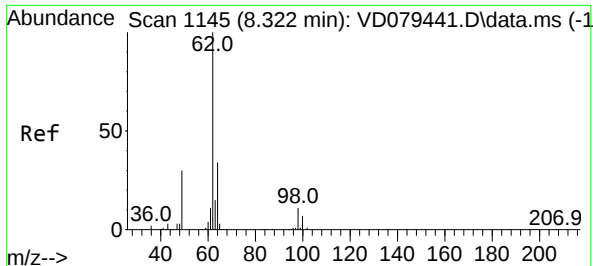
Delta R.T. 0.176 min

Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

Tgt Ion:	41	Resp:	63
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#





#42

1,2-Dichloroethane

Concen: 1.023 ug/l

RT: 8.322 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

Instrument :

MSVOA_D

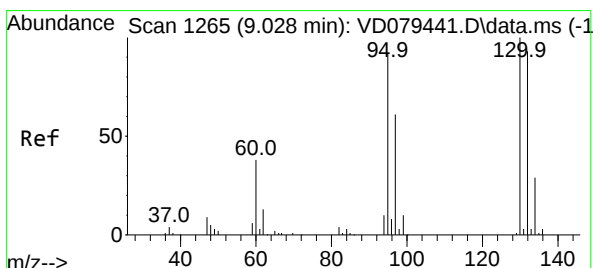
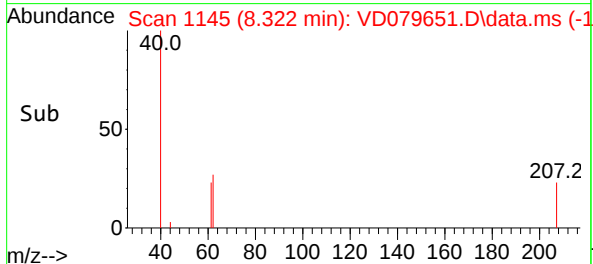
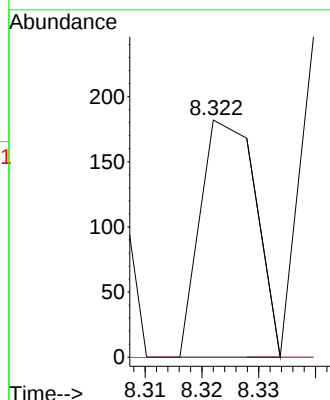
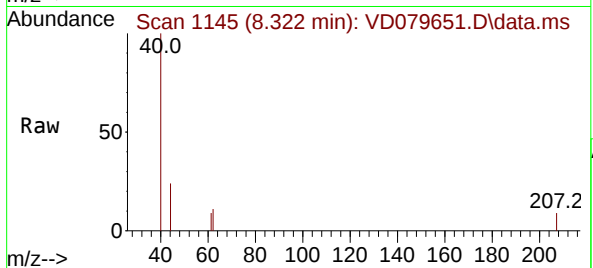
ClientSampleId :

Tgt Ion: 62 Resp: 124

Ion Ratio Lower Upper

62 100

98 0.0 0.0 25.8



#44

Trichloroethene

Concen: 297.266 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD079651.D

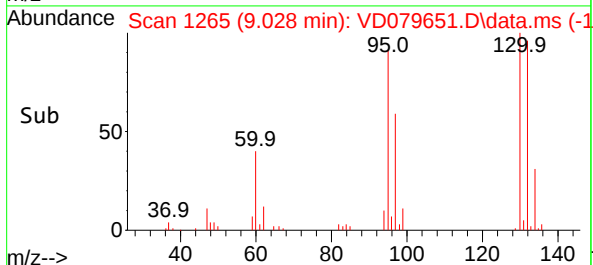
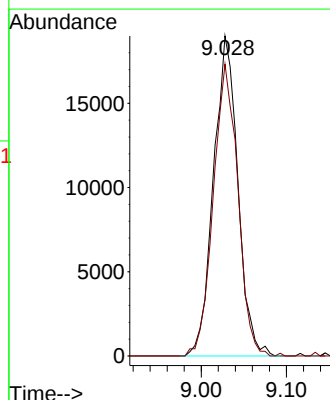
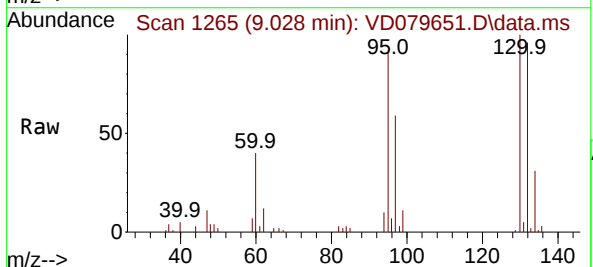
Acq: 07 Aug 2024 19:52

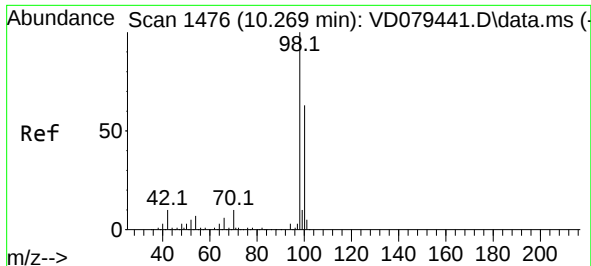
Tgt Ion:130 Resp: 37657

Ion Ratio Lower Upper

130 100

95 91.2 0.0 177.8

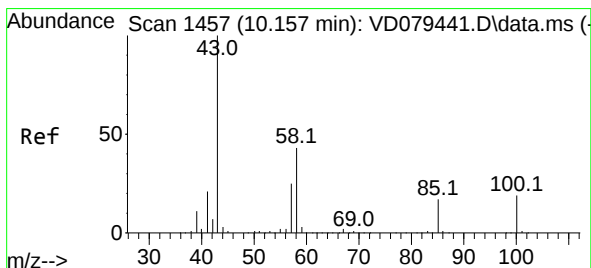
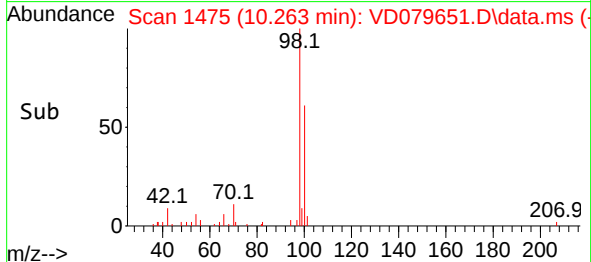
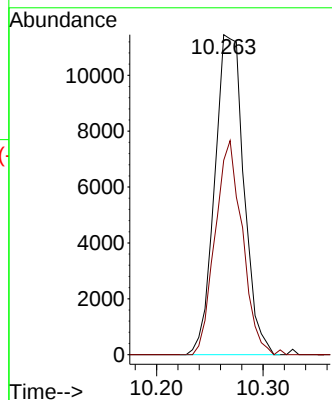
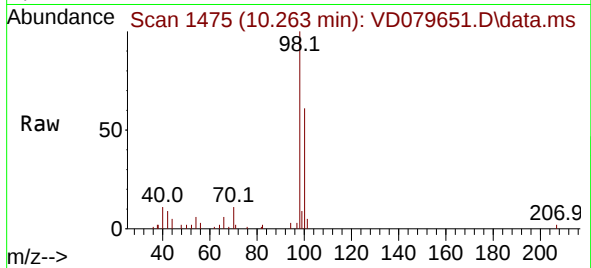




#50
Toluene-d8
Concen: 47.711 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

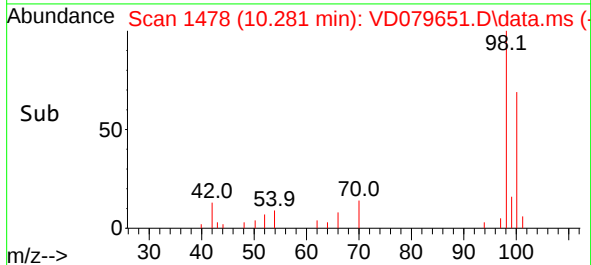
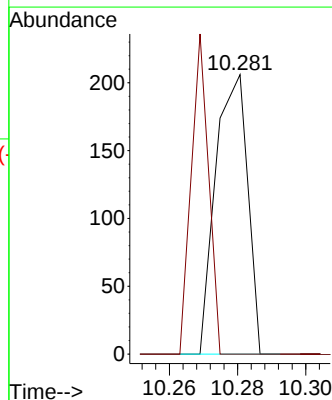
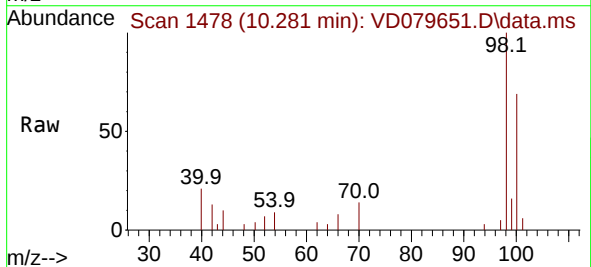
Instrument :
MSVOA_D
ClientSampleId :

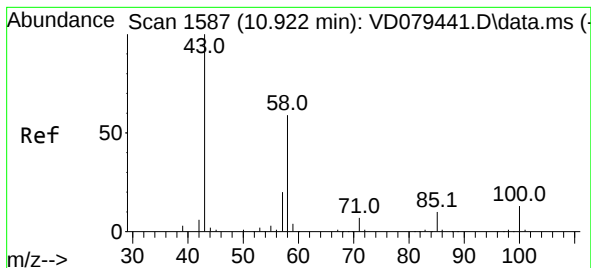
Tgt Ion: 98 Resp: 21749
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 2.126 ug/l
RT: 10.281 min Scan# 1478
Delta R.T. 0.123 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
58 61.9 36.6 55.0#

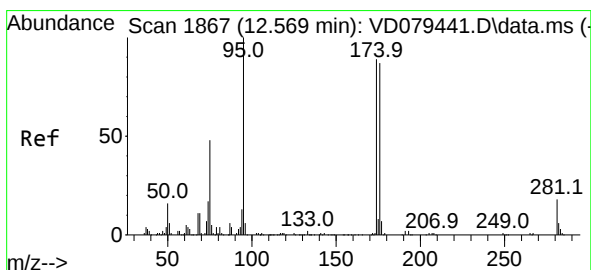
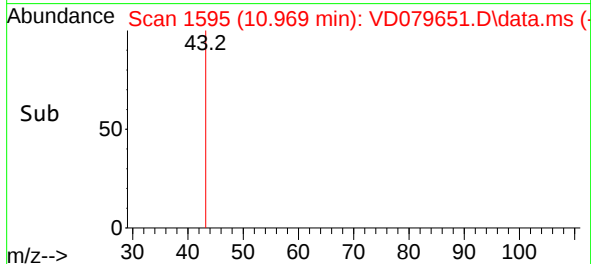
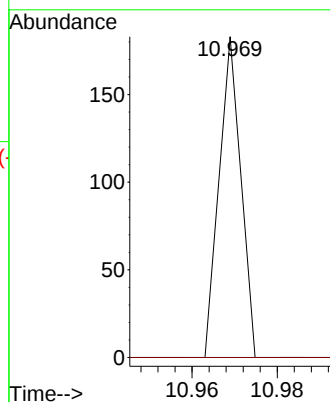
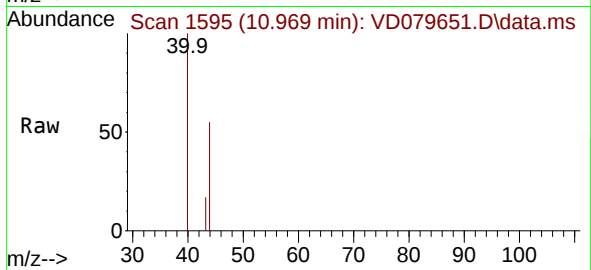




#59
2-Hexanone
Concen: 1.479 ug/l
RT: 10.969 min Scan# 11
Delta R.T. 0.053 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

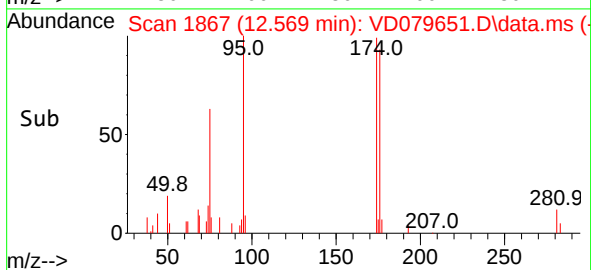
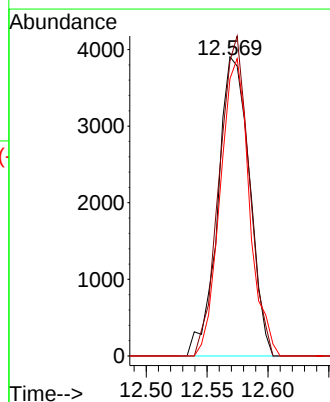
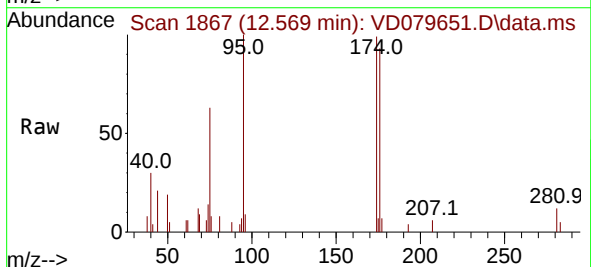
Instrument :
MSVOA_D
ClientSampleId :

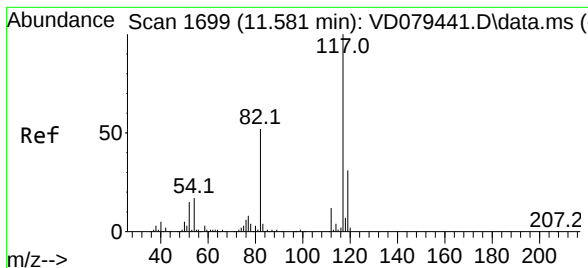
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 53.504 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Tgt Ion: 95 Resp: 7058
Ion Ratio Lower Upper
95 100
174 100.9 0.0 195.4
176 91.4 0.0 192.6

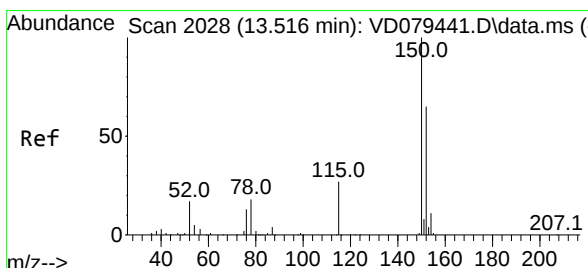
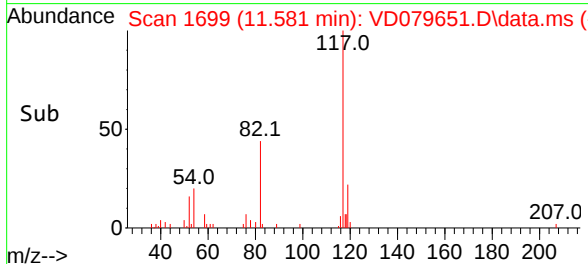
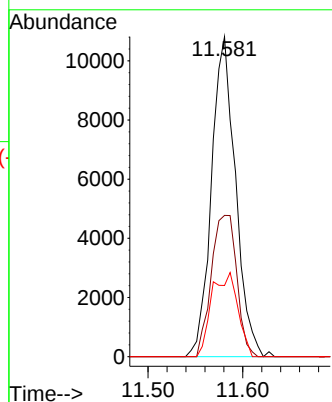
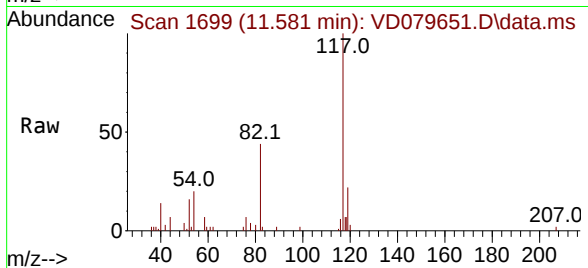




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

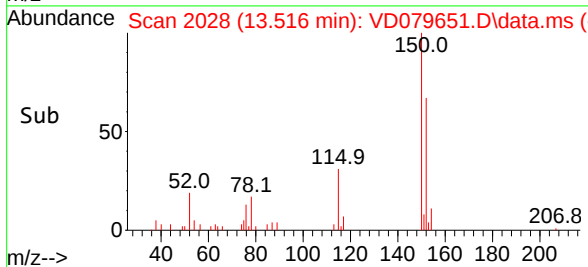
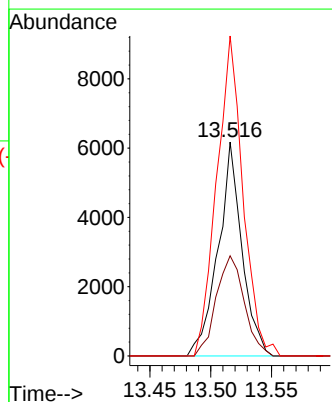
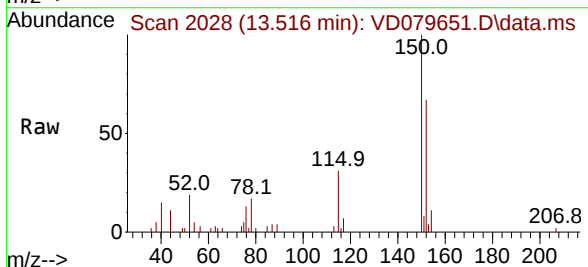
Instrument :
MSVOA_D
ClientSampleId :

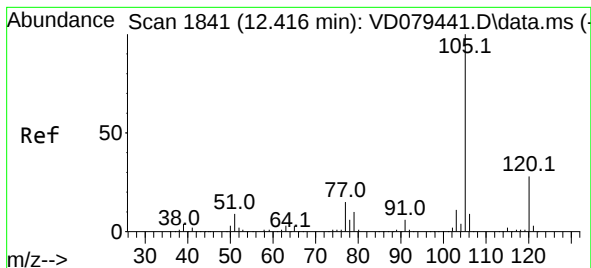
Tgt Ion	Ratio	Lower	Upper
117	100		
82	44.1	39.8	59.6
119	22.3	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	26.5	79.5
150	164.0	0.0	341.6





#73

Isopropylbenzene

Concen: 3.708 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079651.D

Acq: 07 Aug 2024 19:52

Instrument :

MSVOA_D

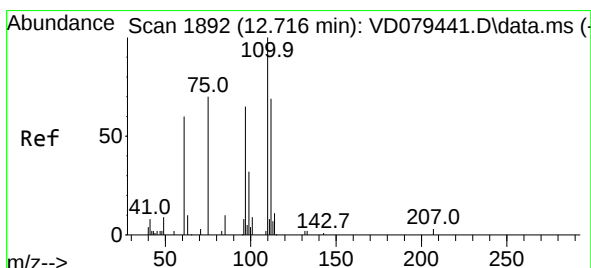
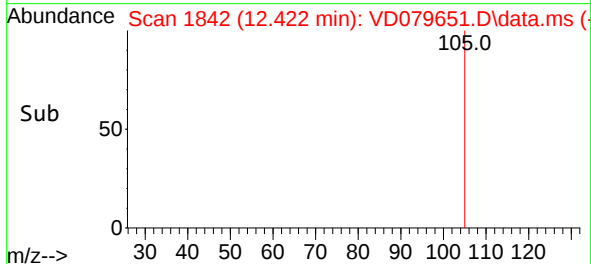
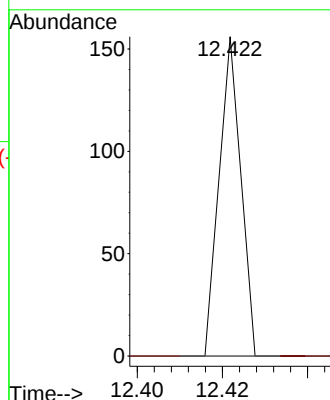
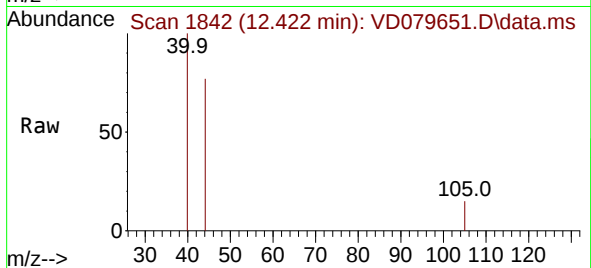
ClientSampleId :

Tgt Ion:105 Resp: 55

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 48.782 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079651.D

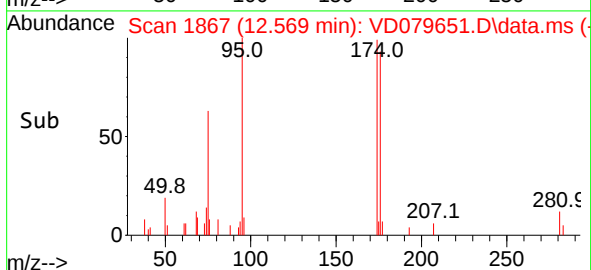
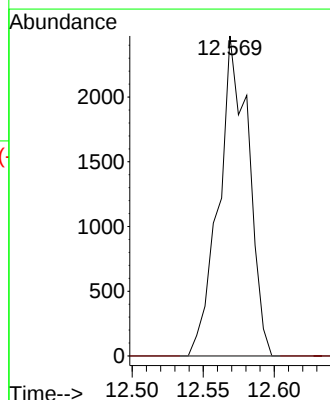
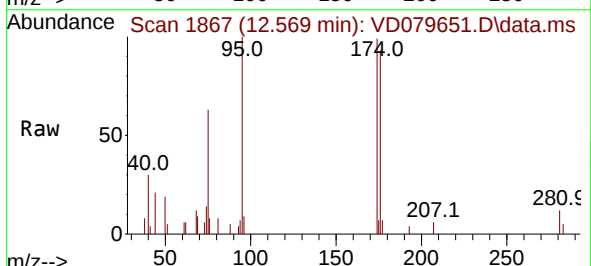
Acq: 07 Aug 2024 19:52

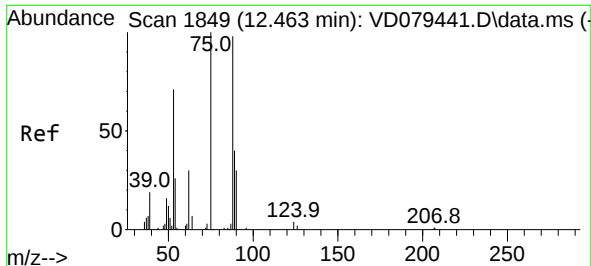
Tgt Ion: 75 Resp: 3601

Ion Ratio Lower Upper

75 100

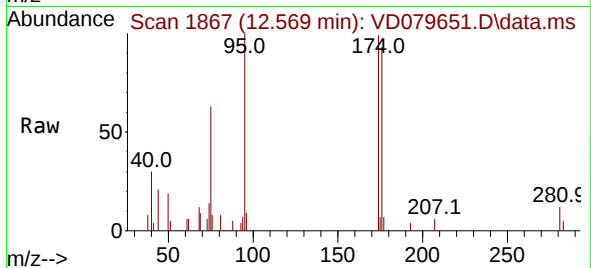
77 0.0 0.0 0.0



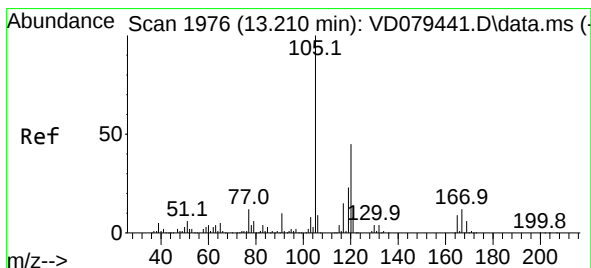
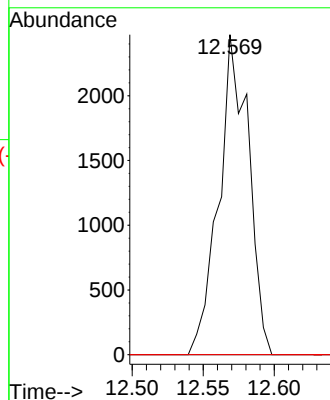
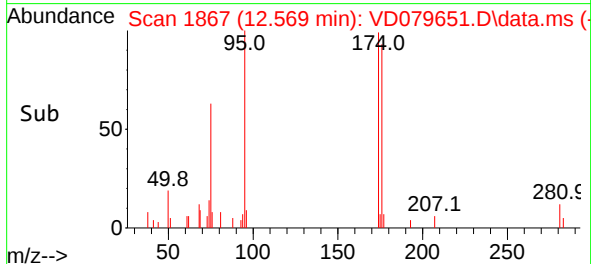


#81
trans-1,4-Dichloro-2-butene
Concen: 93.041 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 3601
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: 3.531 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079651.D
Acq: 07 Aug 2024 19:52

Tgt Ion: 105 Resp: 58
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#

