

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079587.D
 Acq On : 05 Aug 2024 18:11
 Operator : RP/MD
 Sample : P3448-01
 Misc : 3.81G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 02:48:20 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)

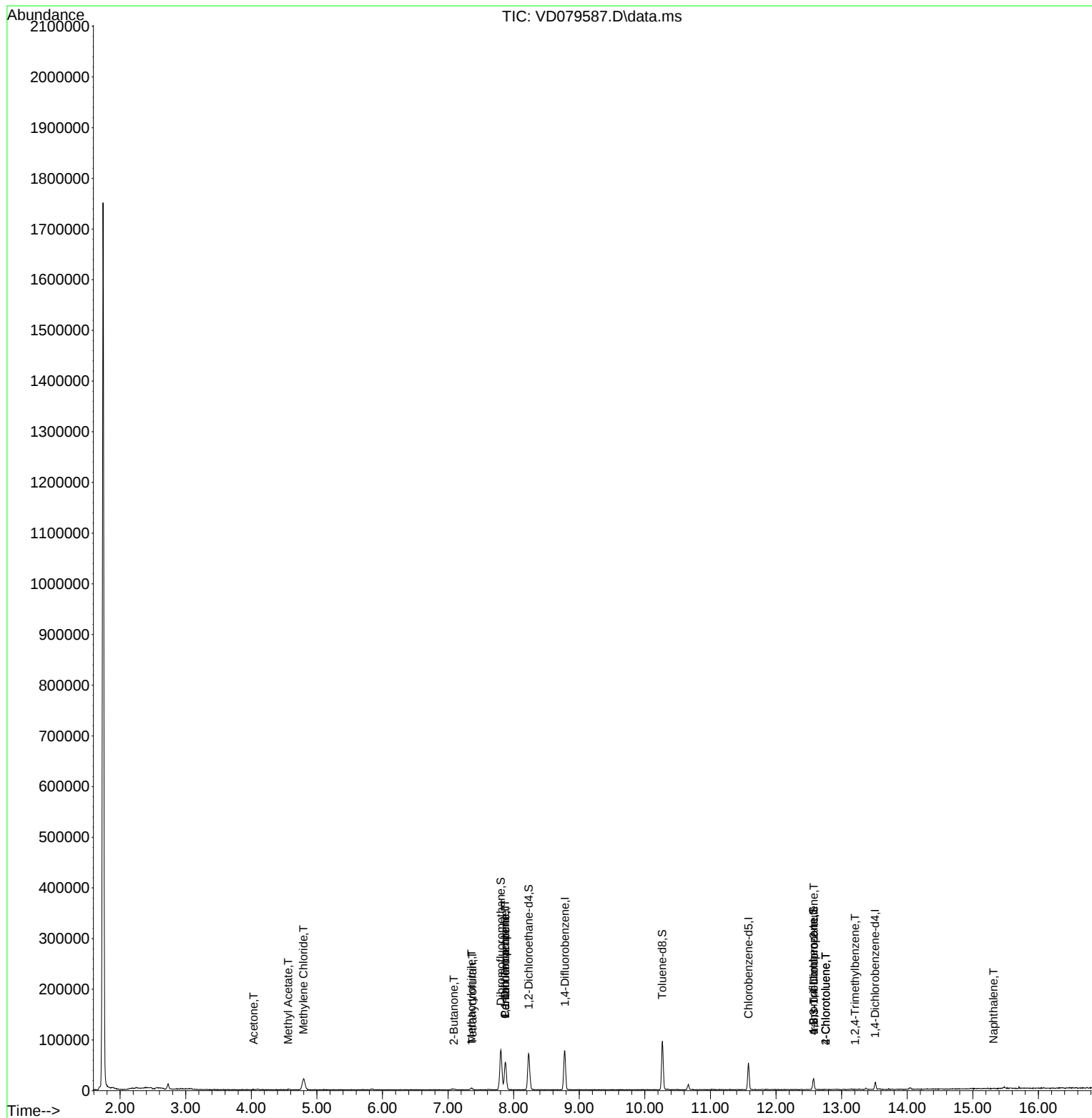
Internal Standards						
1) Pentafluorobenzene	7.875	168	43006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	70184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	29450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	4397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55116	126.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 252.300%#	
35) Dibromofluoromethane	7.804	113	56012	117.911	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 235.820%#	
50) Toluene-d8	10.263	98	69227	37.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 75.060%	
62) 4-Bromofluorobenzene	12.569	95	5049	9.458	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 18.920%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	74	Below Cal		90
11) Tert butyl alcohol	5.175	59	58	Below Cal	#	86
16) Acetone	4.034	43	1113	13.108	ug/l #	35
18) Methyl Acetate	4.563	43	1598	6.062	ug/l	93
20) Methylene Chloride	4.793	84	17579	19.348	ug/l #	87
25) 2-Butanone	7.087	43	168	1.396	ug/l #	42
29) Tetrahydrofuran	7.369	42	308	4.129	ug/l #	21
36) 1,1-Dichloropropene	7.869	75	3519	5.427	ug/l #	40
38) Carbon Tetrachloride	7.869	117	4594	6.740	ug/l #	13
41) Methacrylonitrile	7.357	41	2291	15.668	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	2801	72.878	ug/l #	100
79) 2-Chlorotoluene	12.757	91	231	1.129	ug/l #	37
81) trans-1,4-Dichloro-2-b...	12.575	75	2801	138.998	ug/l #	19
82) 4-Chlorotoluene	12.757	91	231	1.083	ug/l #	37
84) 1,2,4-Trimethylbenzene	13.204	105	236	4.226	ug/l #	29
95) Naphthalene	15.316	128	500	3.513	ug/l #	70

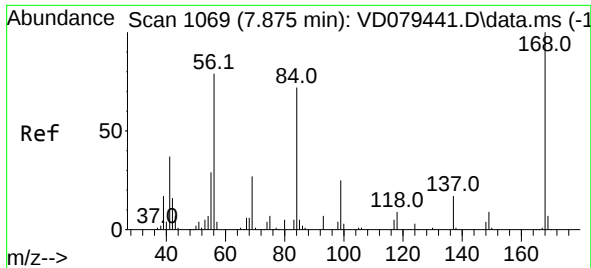
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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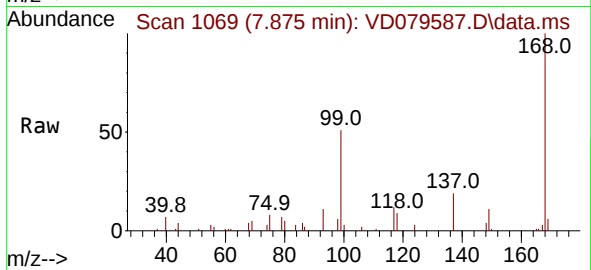
Quant Time: Aug 06 02:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



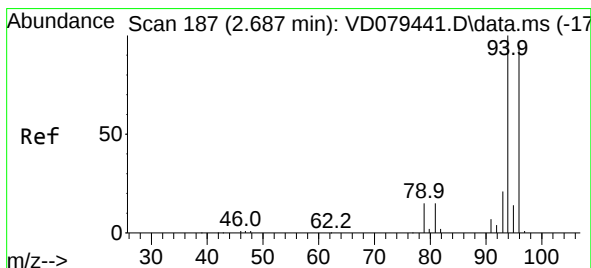
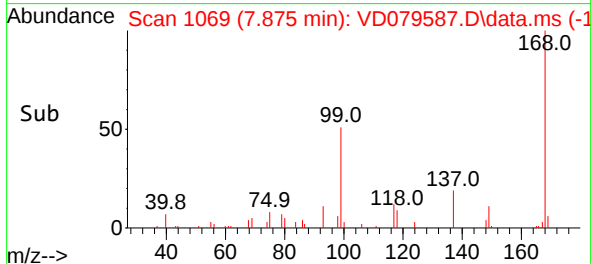
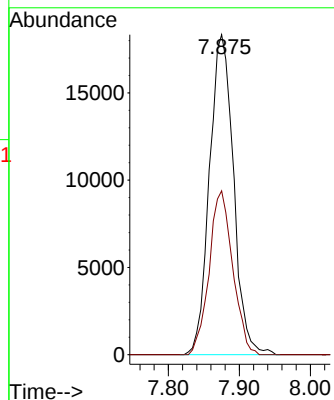


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Instrument :
MSVOA_D
ClientSampleId :

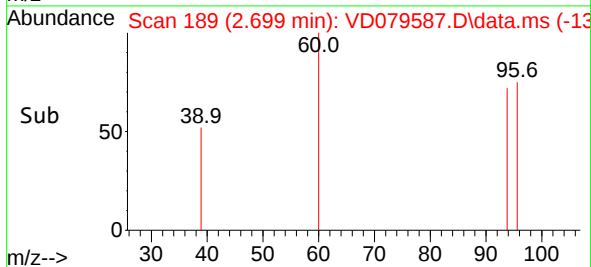
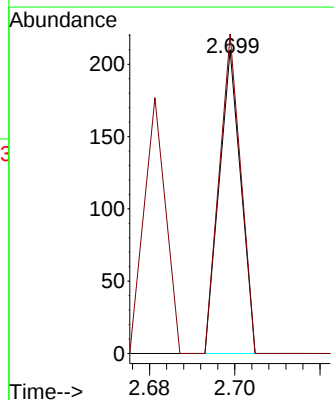
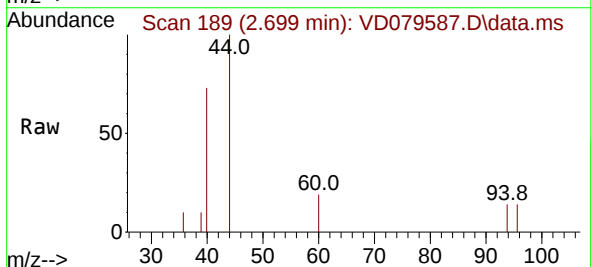


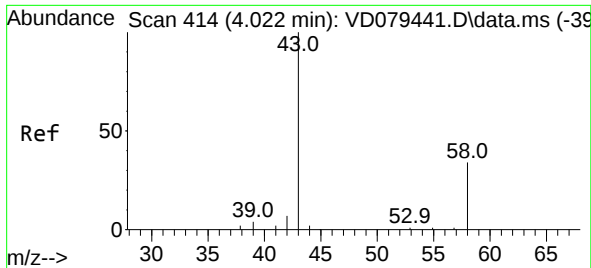
Tgt Ion:168 Resp: 43006
Ion Ratio Lower Upper
168 100
99 51.2 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 105.4 76.9 115.3

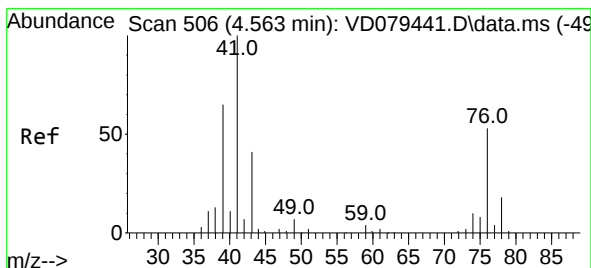
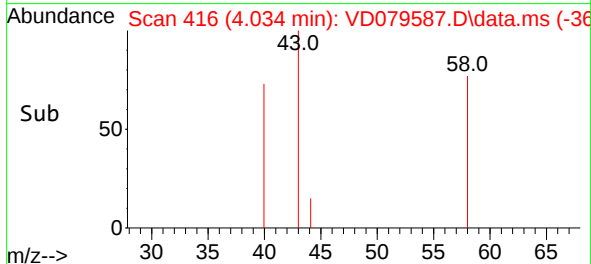
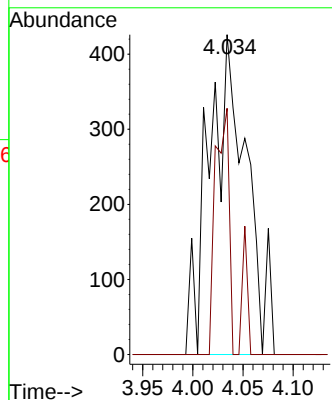
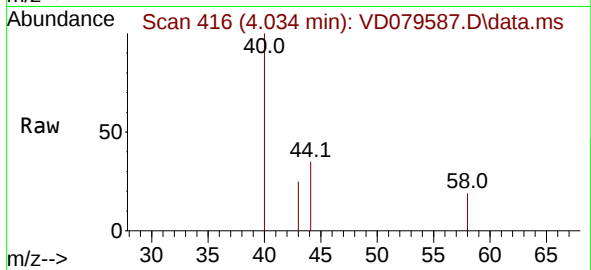




#16
Acetone
Concen: 13.108 ug/l
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

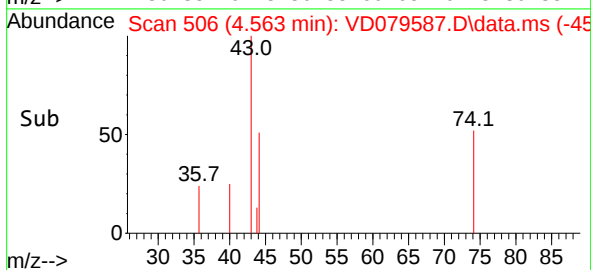
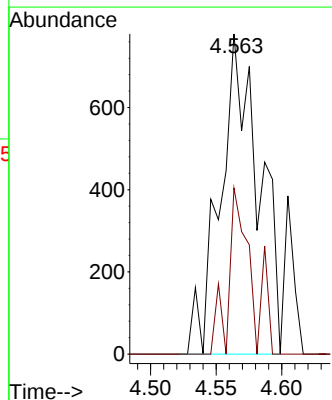
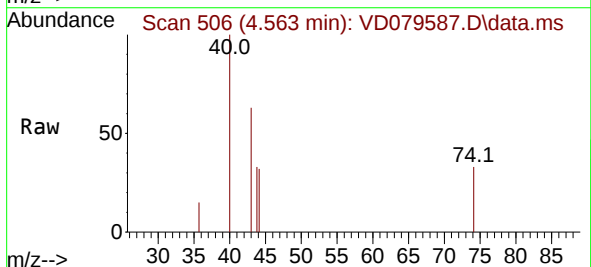
Instrument :
MSVOA_D
ClientSampleId :

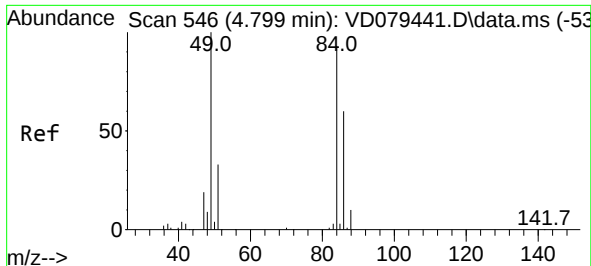
Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 77.0 30.4 45.6#



#18
Methyl Acetate
Concen: 6.062 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

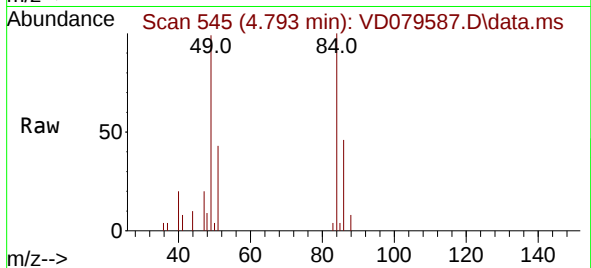
Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
74 31.0 28.1 42.1



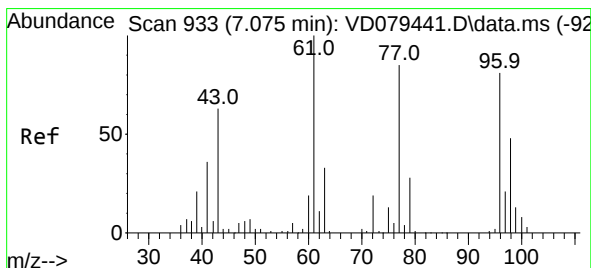
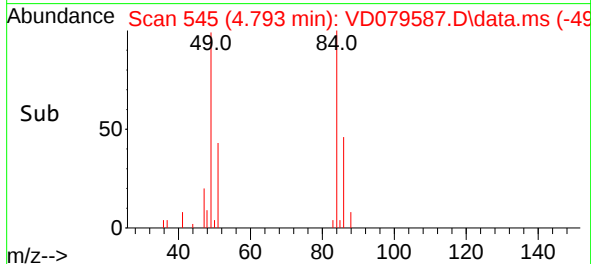
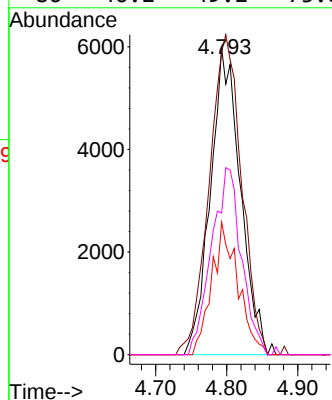


#20
Methylene Chloride
Concen: 19.348 ug/l
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Instrument :
MSVOA_D
ClientSampleId :

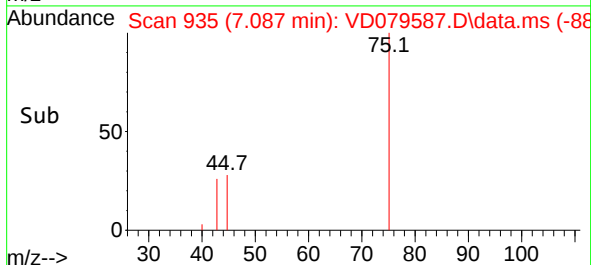
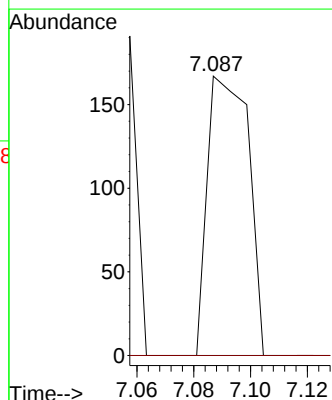
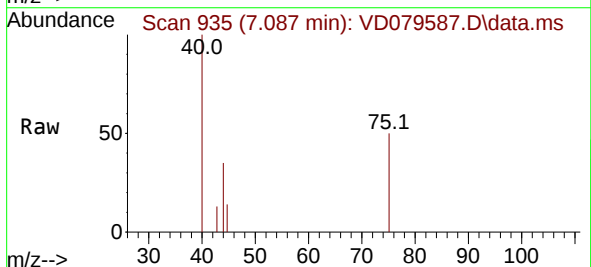


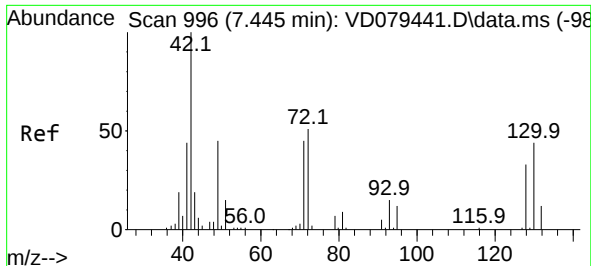
Tgt Ion:	84	Resp:	17579
Ion	Ratio	Lower	Upper
84	100		
49	98.7	75.6	113.4
51	43.2	24.2	36.2#
86	46.2	49.2	73.8#



#25
2-Butanone
Concen: 1.396 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.006 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Tgt Ion:	43	Resp:	168
Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.4	39.6#





#29

Tetrahydrofuran

Concen: 4.129 ug/l

RT: 7.369 min Scan# 91

Delta R.T. -0.077 min

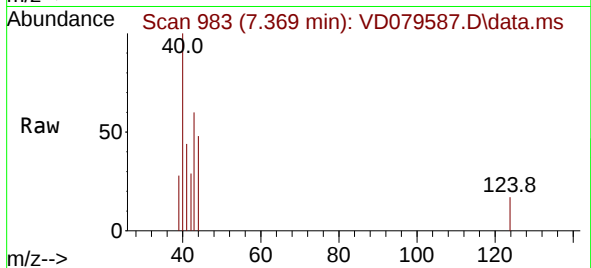
Lab File: VD079587.D

Acq: 05 Aug 2024 18:11

Instrument :

MSVOA_D

ClientSampleId :



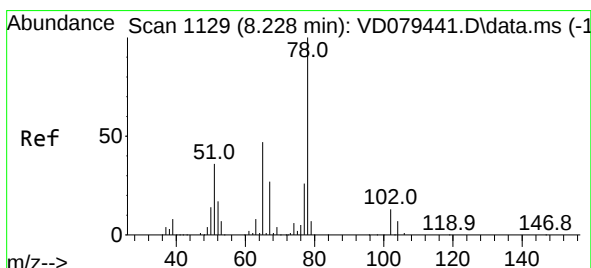
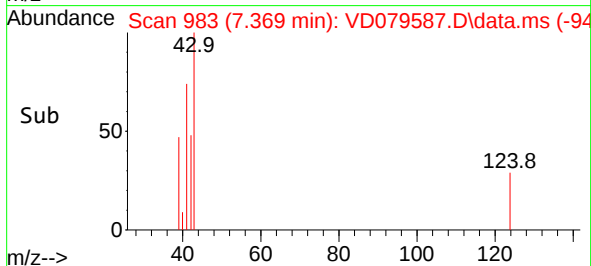
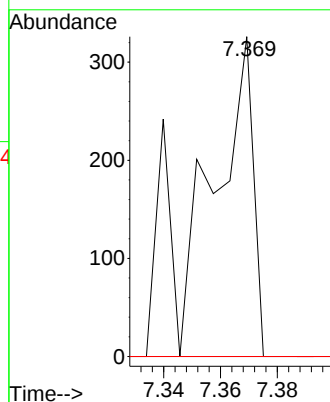
Tgt Ion: 42 Resp: 308

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: 126.152 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079587.D

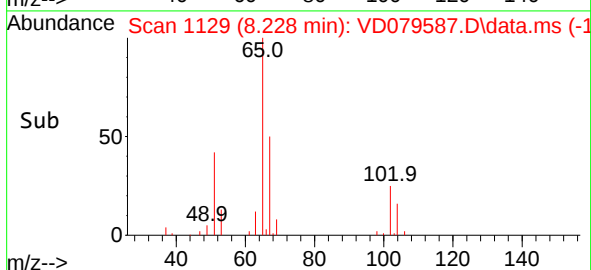
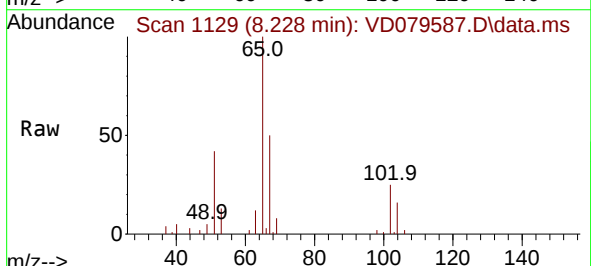
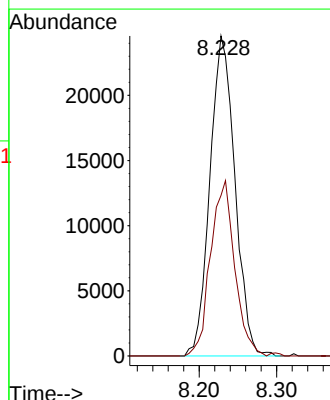
Acq: 05 Aug 2024 18:11

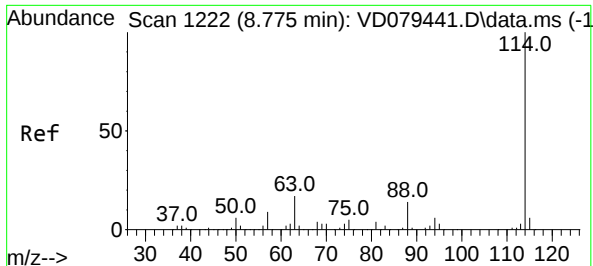
Tgt Ion: 65 Resp: 55116

Ion Ratio Lower Upper

65 100

67 52.9 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: VD079587.D

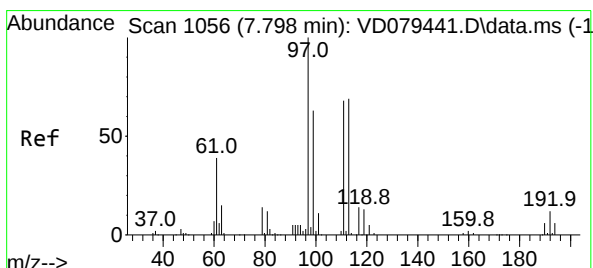
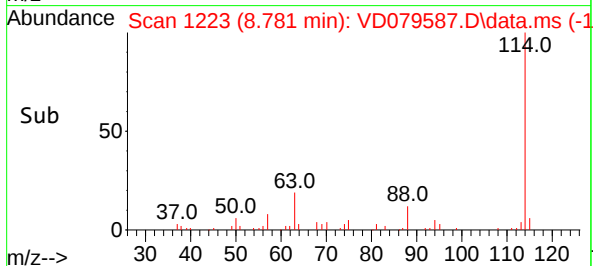
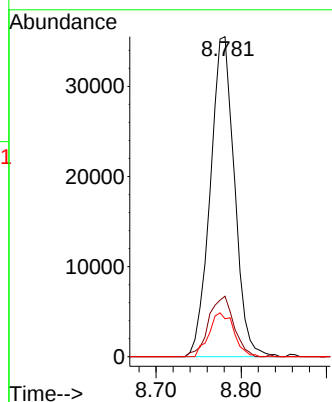
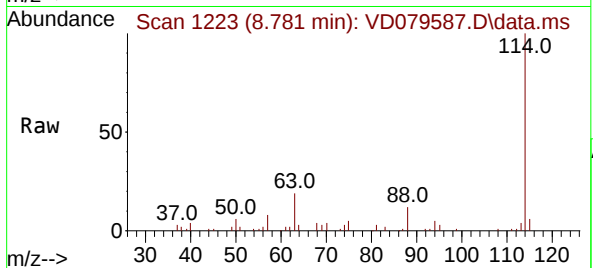
Acq: 05 Aug 2024 18:11

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	70184
Ion Ratio	Lower	Upper
114	100	
63	18.9	0.0 34.0
88	11.8	0.0 27.2



#35

Dibromofluoromethane

Concen: 117.911 ug/l

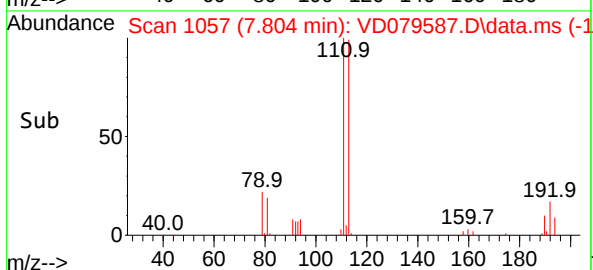
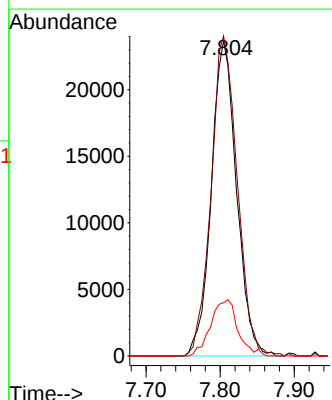
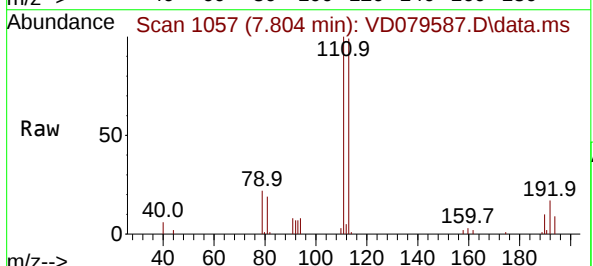
RT: 7.804 min Scan# 1057

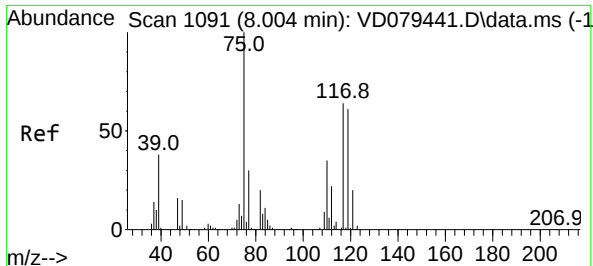
Delta R.T. -0.000 min

Lab File: VD079587.D

Acq: 05 Aug 2024 18:11

Tgt Ion:113	Resp:	56012
Ion Ratio	Lower	Upper
113	100	
111	105.1	84.0 126.0
192	19.2	15.4 23.0





#36

1,1-Dichloropropene

Concen: 5.427 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

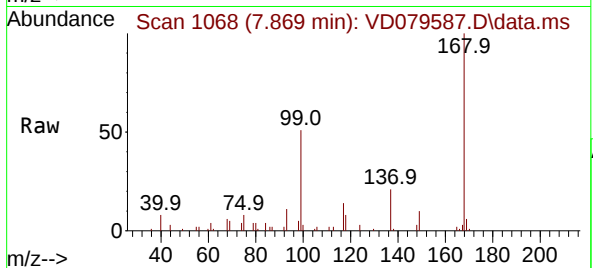
Lab File: VD079587.D

Acq: 05 Aug 2024 18:11

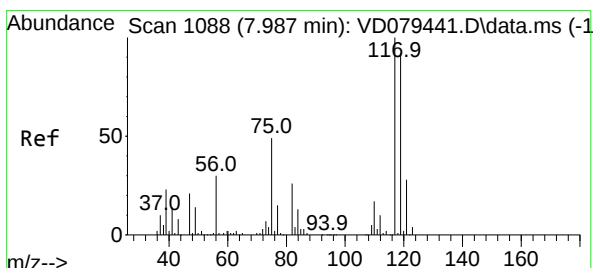
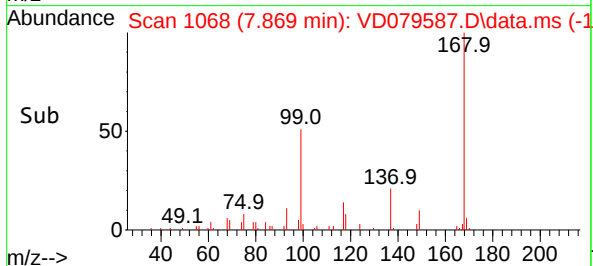
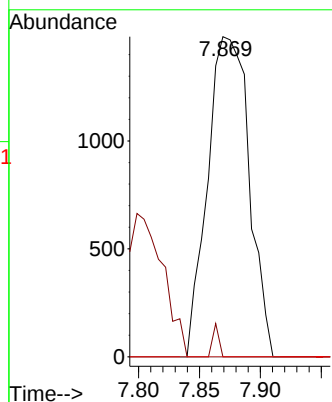
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	3519
Ion Ratio	Lower	Upper	
75	100		
110	1.5	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 6.740 ug/l

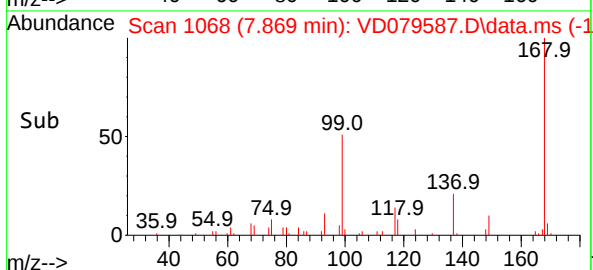
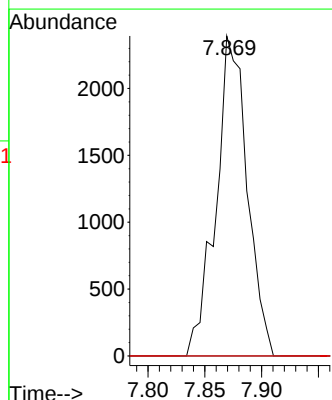
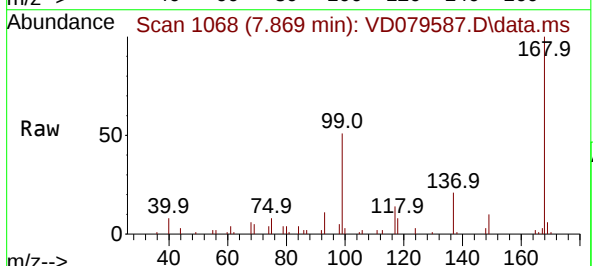
RT: 7.869 min Scan# 1068

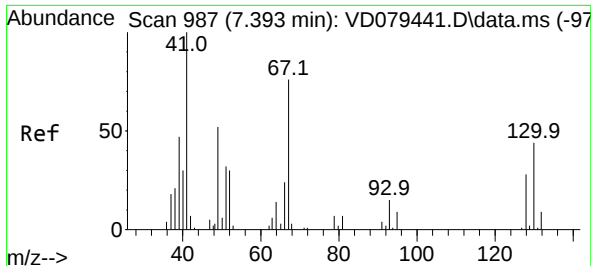
Delta R.T. -0.118 min

Lab File: VD079587.D

Acq: 05 Aug 2024 18:11

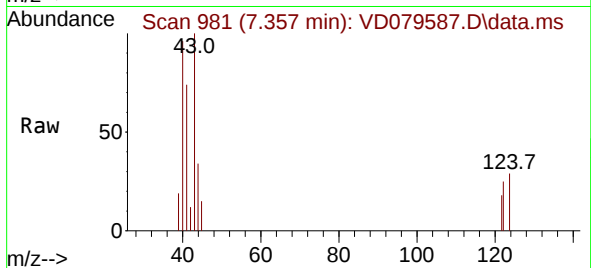
Tgt Ion:	117	Resp:	4594
Ion Ratio	Lower	Upper	
117	100		
119	0.0	75.4	113.0#
121	0.0	25.0	37.4#



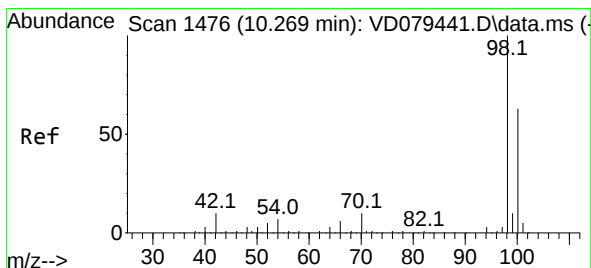
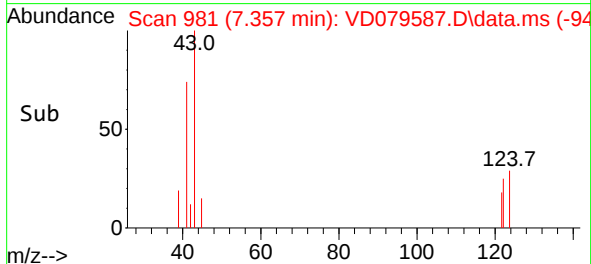
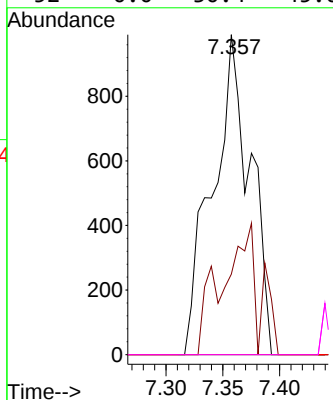


#41
Methacrylonitrile
Concen: 15.668 ug/l
RT: 7.357 min Scan# 91
Delta R.T. -0.059 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Instrument :
MSVOA_D
ClientSampleId :

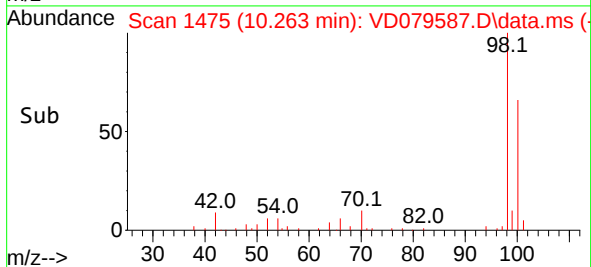
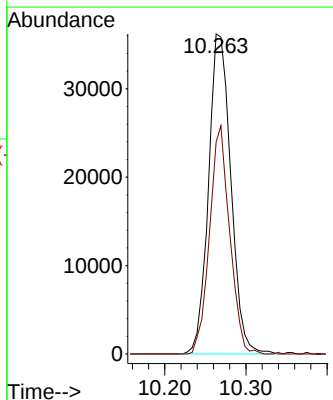
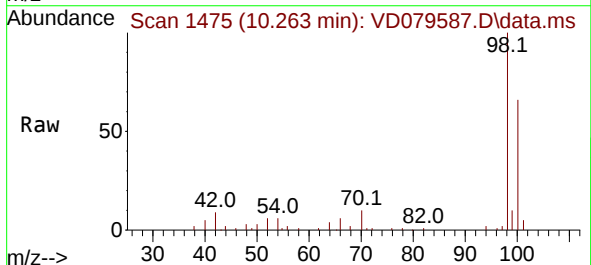


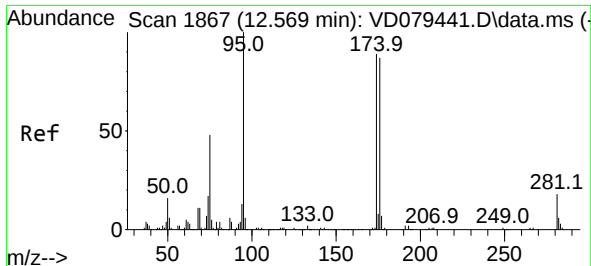
Tgt Ion:	41	Resp:	2291
Ion	Ratio	Lower	Upper
41	100		
39	9.9	41.4	62.0#
67	0.0	85.8	128.6#
52	0.0	30.4	45.6#



#50
Toluene-d8
Concen: 37.527 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Tgt Ion:	98	Resp:	69227
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4

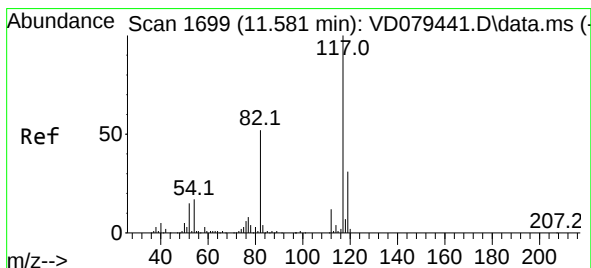
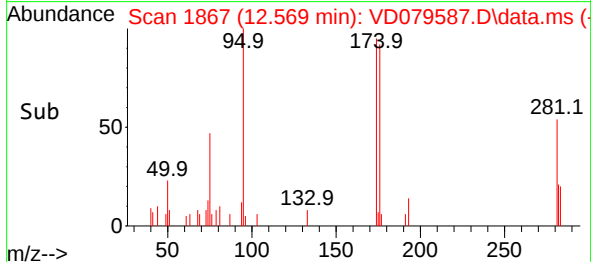
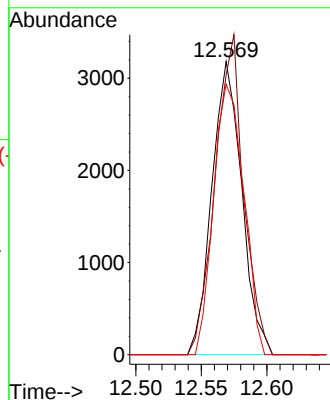
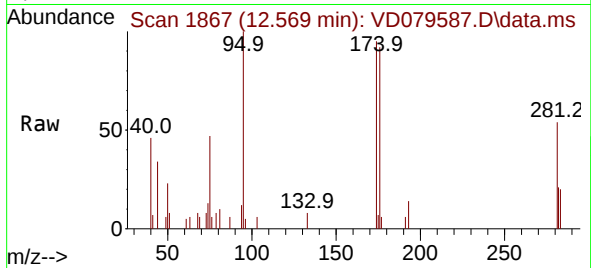




#62
4-Bromofluorobenzene
Concen: 9.458 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

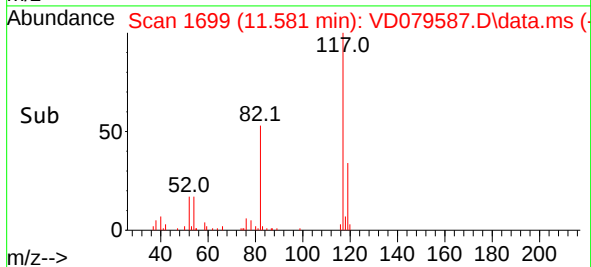
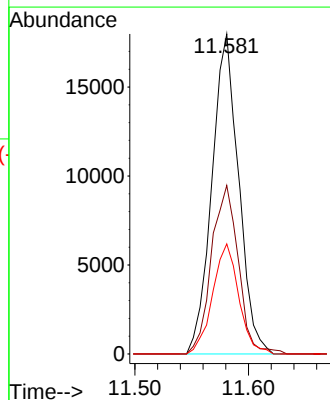
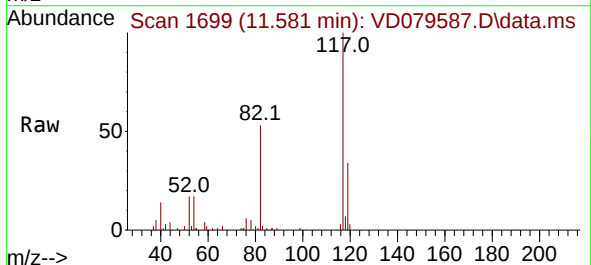
Instrument :
MSVOA_D
ClientSampleId :

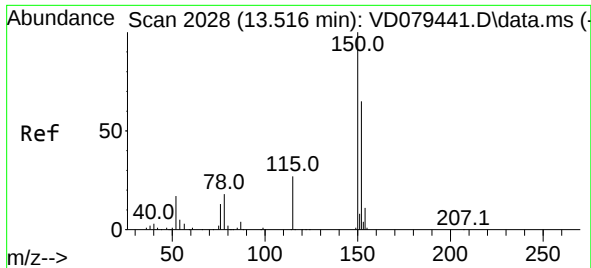
Tgt Ion: 95 Resp: 5049
Ion Ratio Lower Upper
95 100
174 104.1 0.0 195.4
176 93.5 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

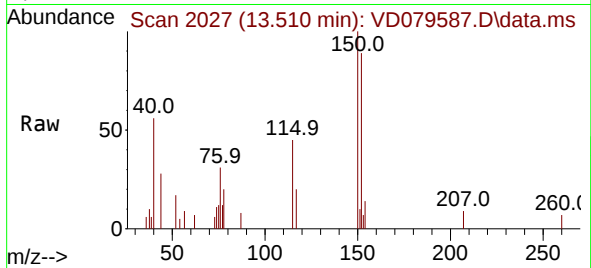
Tgt Ion: 117 Resp: 29450
Ion Ratio Lower Upper
117 100
82 52.7 39.8 59.6
119 34.4 25.7 38.5



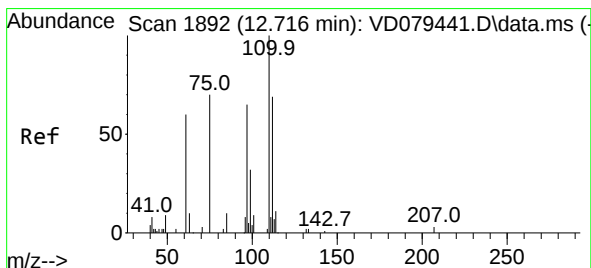
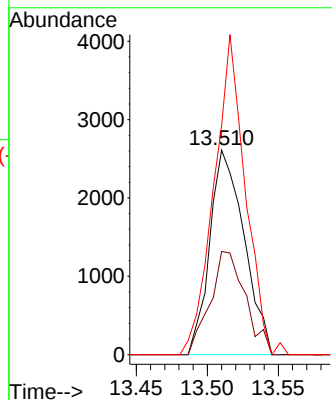
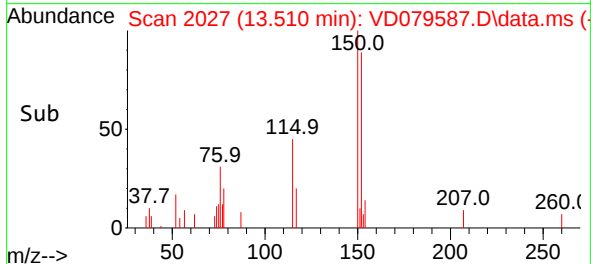


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.510 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD079587.D
 Acq: 05 Aug 2024 18:11

Instrument :
 MSVOA_D
 ClientSampleId :

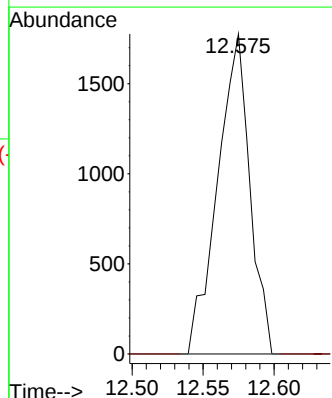
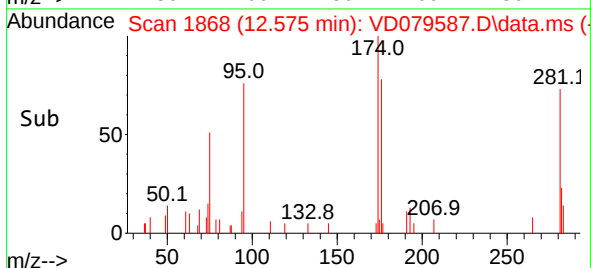
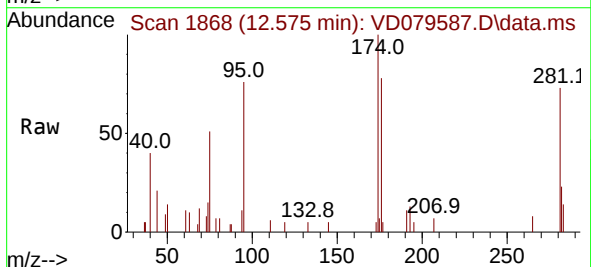


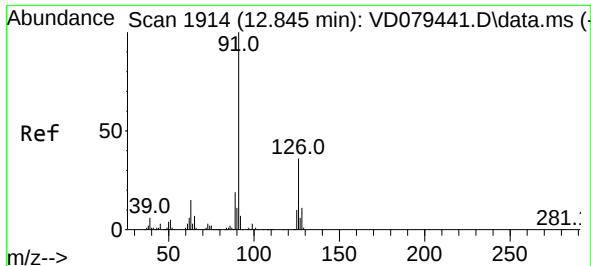
Tgt Ion:152 Resp: 4397
 Ion Ratio Lower Upper
 152 100
 115 51.5 26.5 79.5
 150 142.4 0.0 341.6



#76
 1,2,3-Trichloropropane
 Concen: 72.878 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD079587.D
 Acq: 05 Aug 2024 18:11

Tgt Ion: 75 Resp: 2801
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

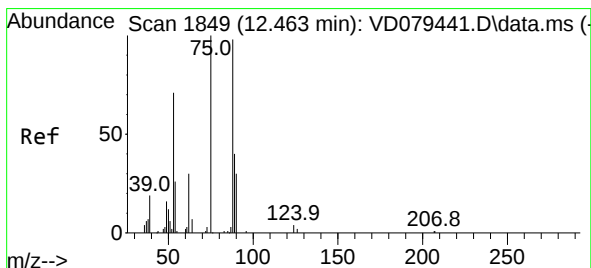
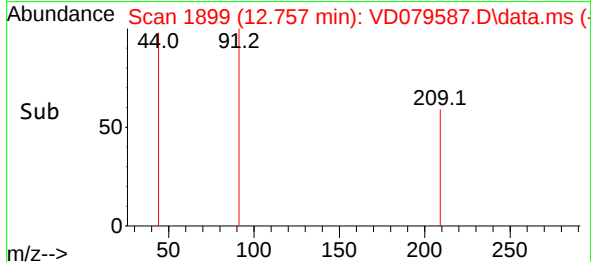
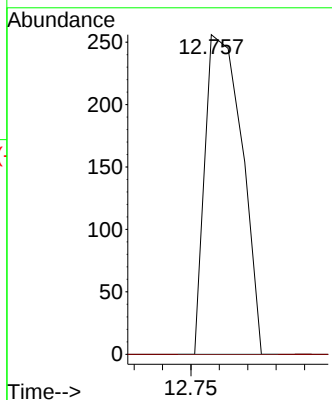
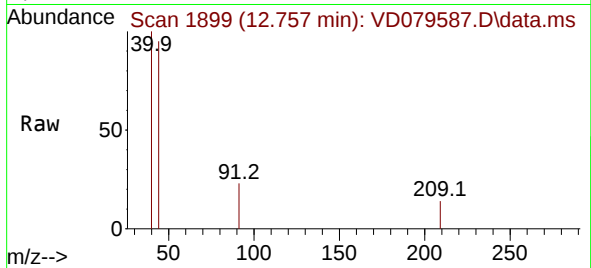




#79
2-Chlorotoluene
Concen: 1.129 ug/l
RT: 12.757 min Scan# 1899
Delta R.T. -0.088 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

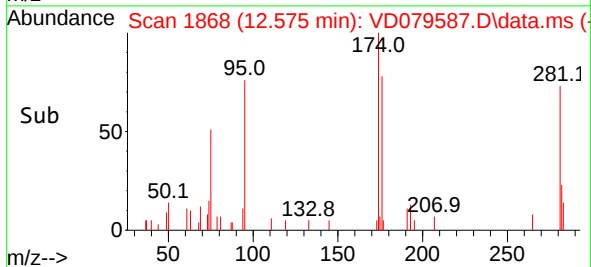
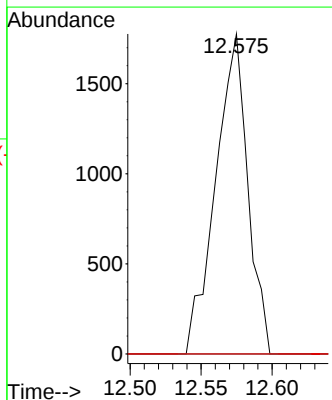
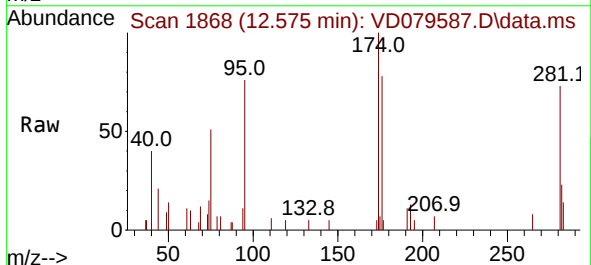
Instrument :
MSVOA_D
ClientSampleId :

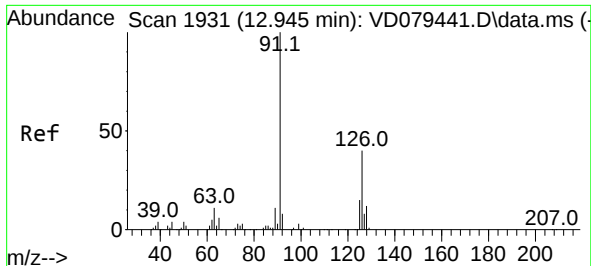
Tgt Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
126 0.0 19.3 57.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.998 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Tgt Ion: 75 Resp: 2801
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

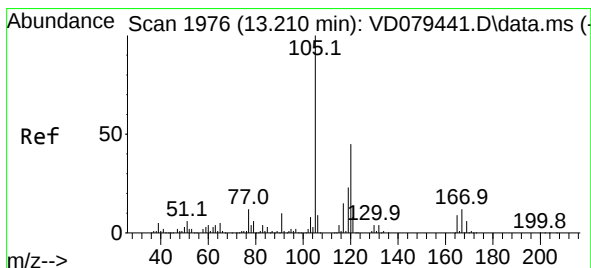
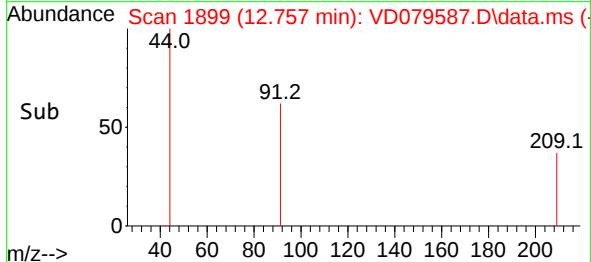
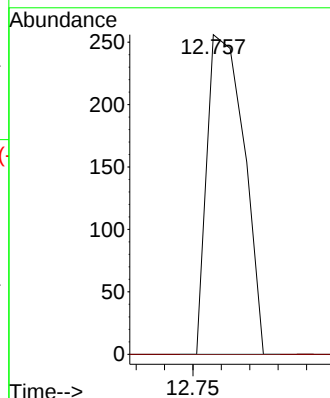
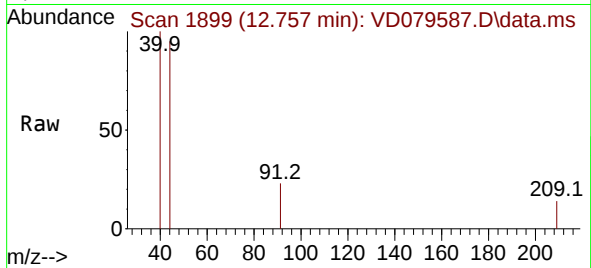




#82
4-Chlorotoluene
Concen: 1.083 ug/l
RT: 12.757 min Scan# 1899
Delta R.T. -0.188 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

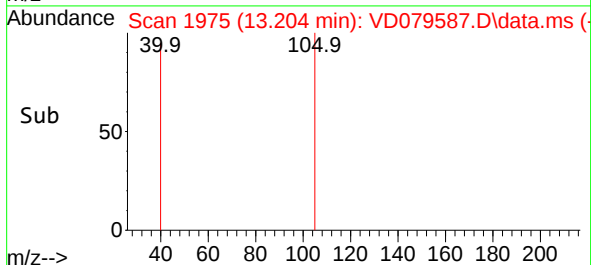
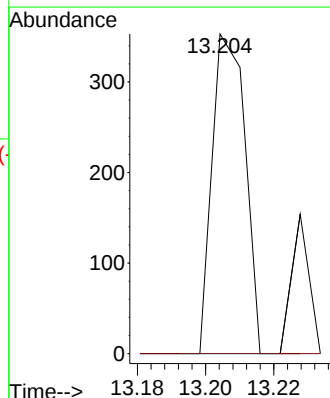
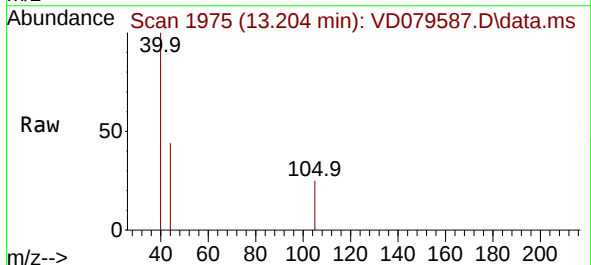
Instrument :
MSVOA_D
ClientSampleId :

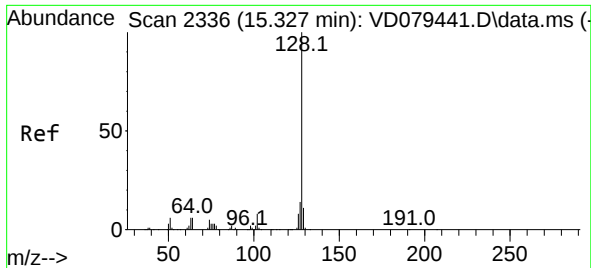
Tgt Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
126 0.0 18.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 4.226 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

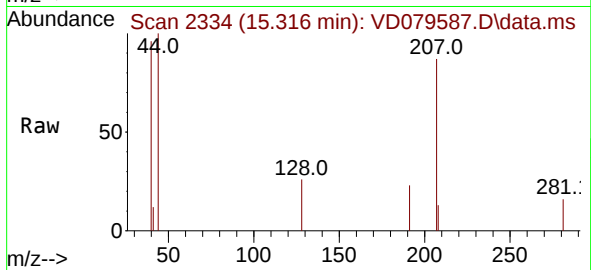
Tgt Ion: 105 Resp: 236
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#95
Naphthalene
Concen: 3.513 ug/l
RT: 15.316 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD079587.D
Acq: 05 Aug 2024 18:11

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 500
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.5 12.7#

