

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080124\
 Data File : VD079528.D
 Acq On : 01 Aug 2024 16:22
 Operator : RP/MD
 Sample : VD0801SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0801SBL01

Quant Time: Aug 02 01:28:29 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)

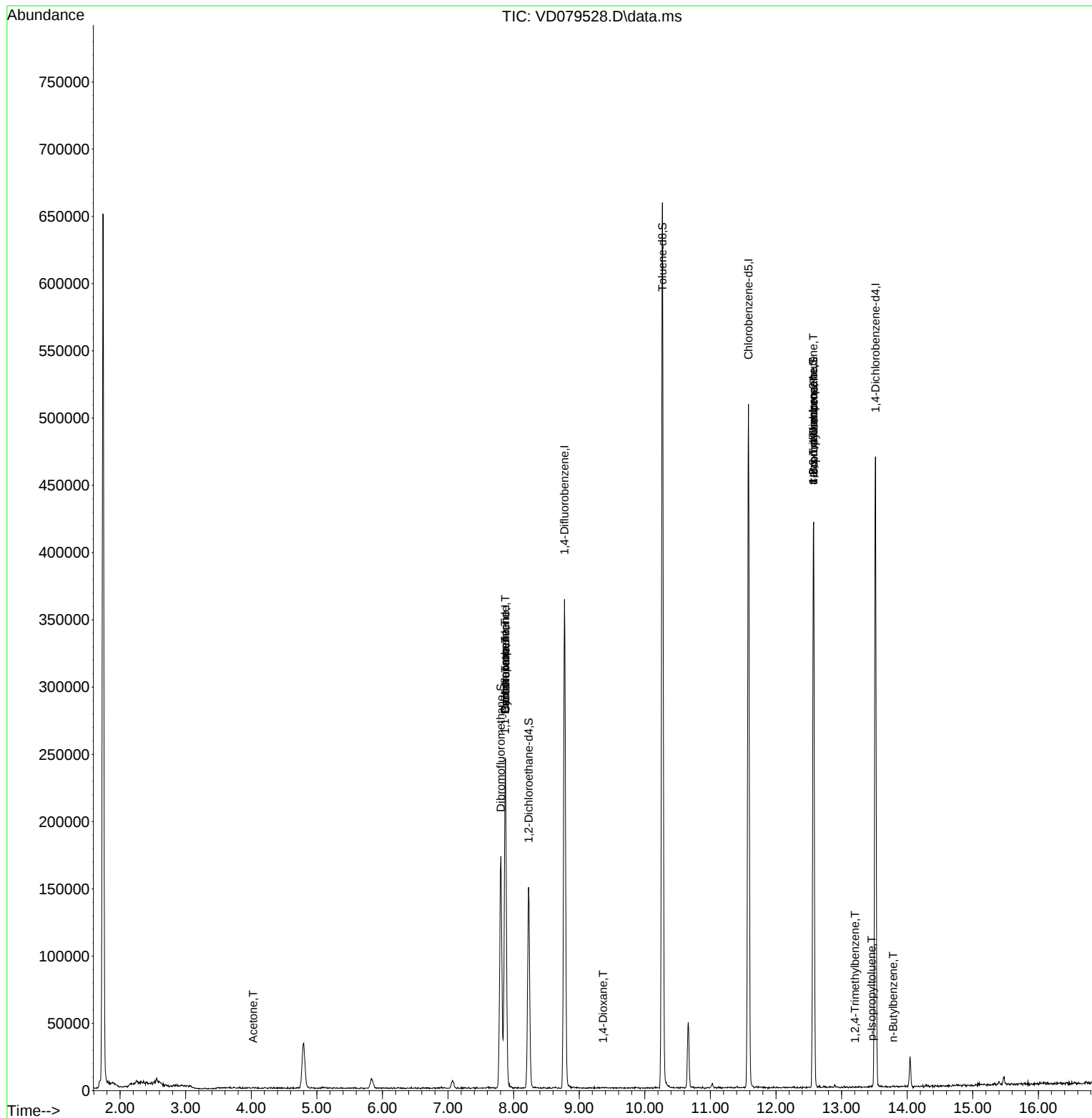
Internal Standards						
1) Pentafluorobenzene	7.875	168	191195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	335471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	303896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	111504	57.406	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.820%	
35) Dibromofluoromethane	7.805	113	123494	54.388	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.780%	
50) Toluene-d8	10.269	98	463252	52.537	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.569	95	120010	47.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	437	Below Cal	#	25
11) Tert butyl alcohol	5.070	59	74	Below Cal	#	86
16) Acetone	4.028	43	527	1.396	ug/l #	37
20) Methylene Chloride	4.799	84	27544	Below Cal		92
31) Cyclohexane	7.875	56	3818	1.184	ug/l #	12
36) 1,1-Dichloropropene	7.869	75	15057	4.858	ug/l #	46
38) Carbon Tetrachloride	7.875	117	17961	5.513	ug/l #	16
49) 1,4-Dioxane	9.363	88	65	4.724	ug/l #	33
73) Isopropylbenzene	12.575	105	194	3.646	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	60900	52.213	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	60900	99.585	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.204	105	54	3.434	ug/l #	29
86) p-Isopropyltoluene	13.457	119	154	3.902	ug/l #	51
89) n-Butylbenzene	13.787	91	213	3.805	ug/l #	34

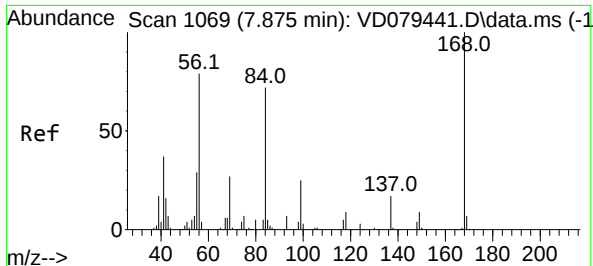
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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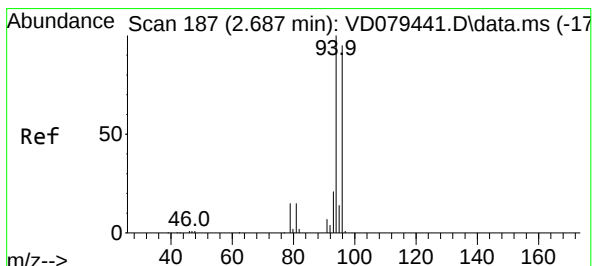
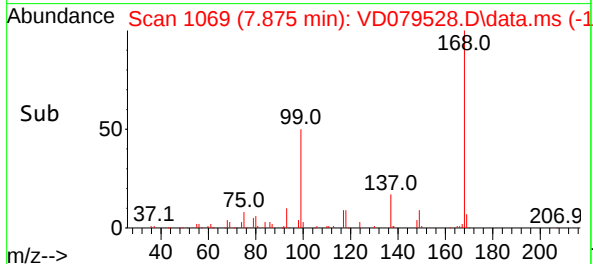
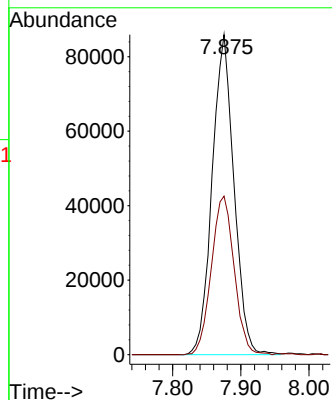
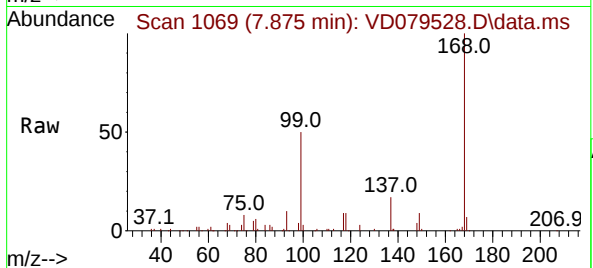




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

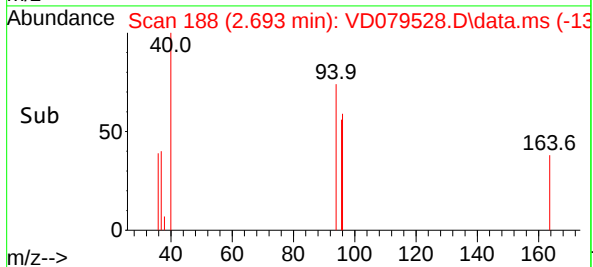
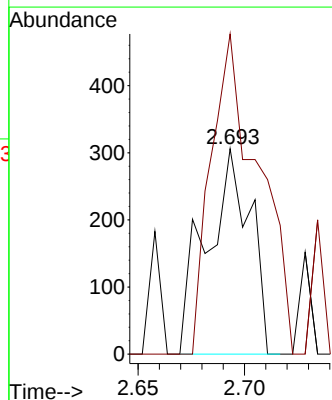
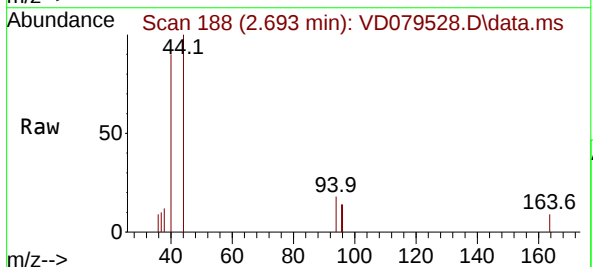
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBL01

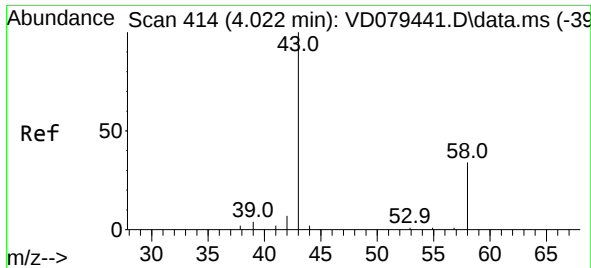
Tgt Ion:168 Resp: 191195
Ion Ratio Lower Upper
168 100
99 49.5 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Tgt Ion: 94 Resp: 437
Ion Ratio Lower Upper
94 100
96 169.6 76.9 115.3#

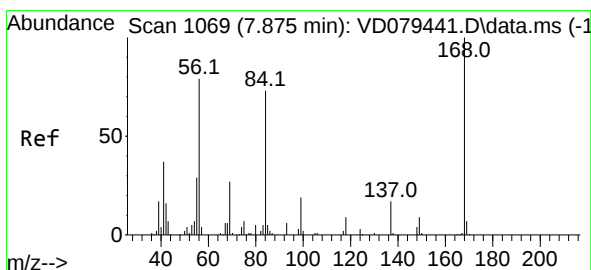
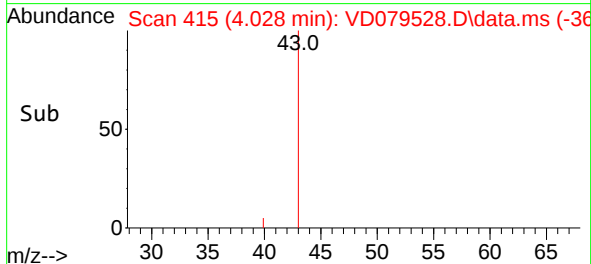
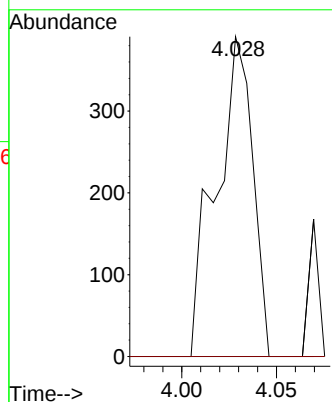
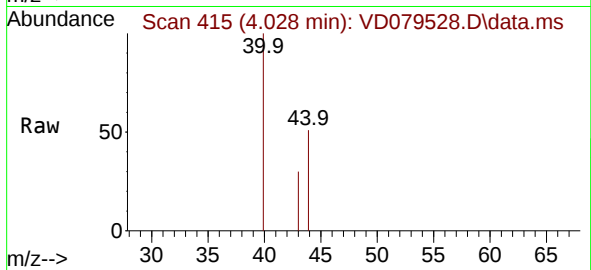




#16
Acetone
Concen: 1.396 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

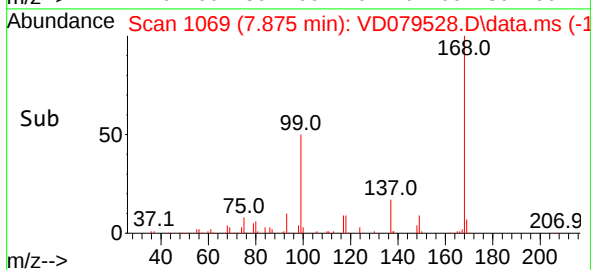
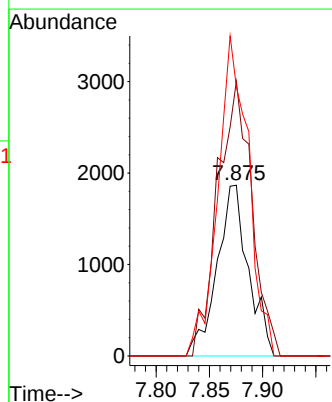
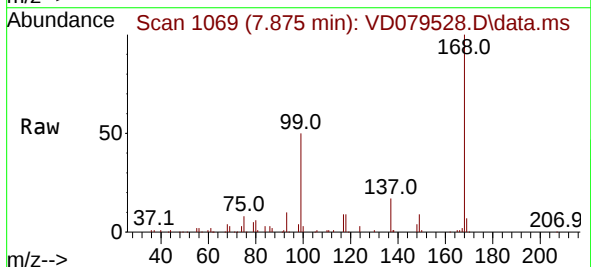
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBL01

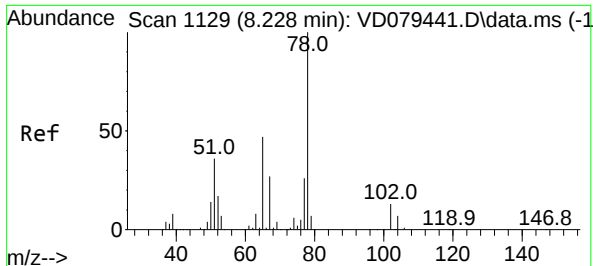
Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Tgt Ion: 56 Resp: 3818
Ion Ratio Lower Upper
56 100
69 160.9 28.0 42.0#
84 157.7 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 57.406 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079528.D

Acq: 01 Aug 2024 16:22

Instrument :

MSVOA_D

ClientSampleId :

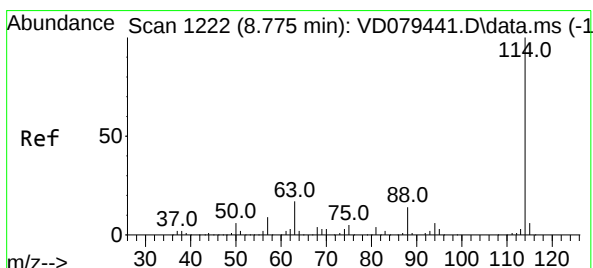
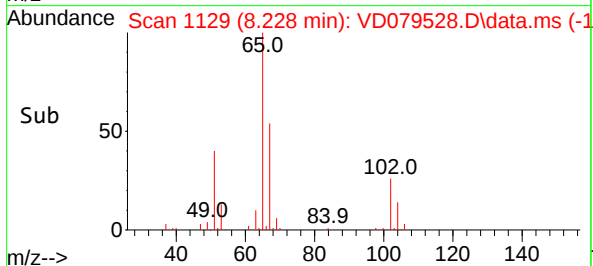
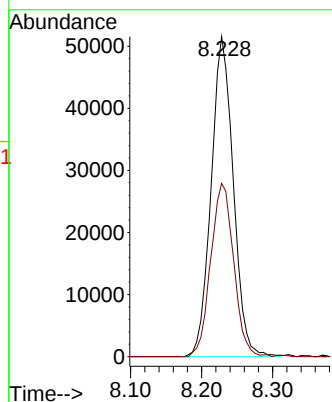
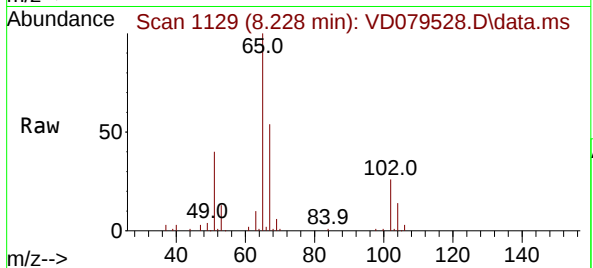
VD0801SBL01

Tgt Ion: 65 Resp: 111504

Ion Ratio Lower Upper

65 100

67 56.0 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: VD079528.D

Acq: 01 Aug 2024 16:22

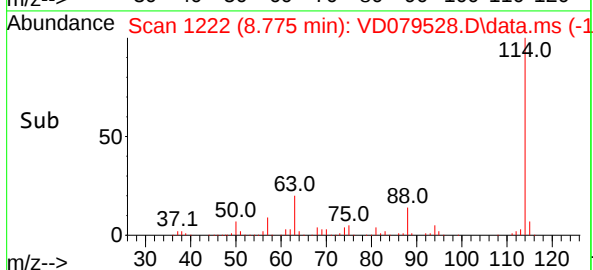
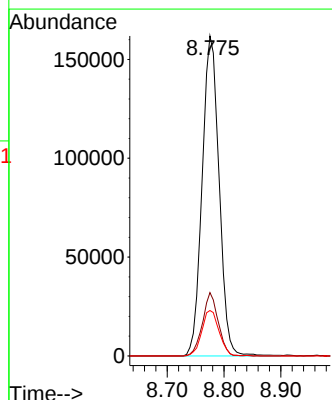
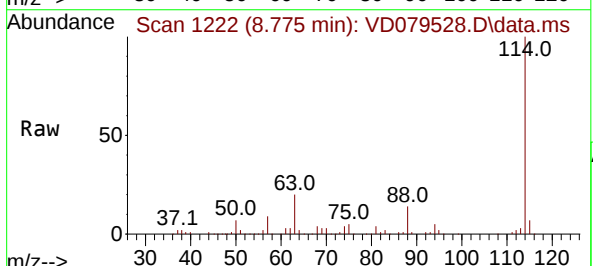
Tgt Ion: 114 Resp: 335471

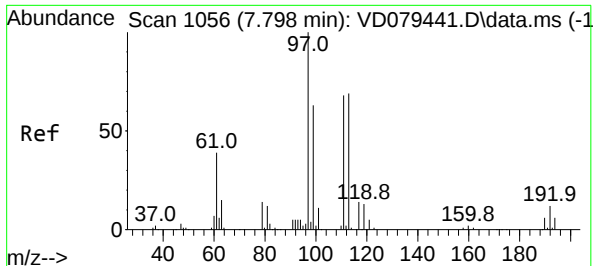
Ion Ratio Lower Upper

114 100

63 19.8 0.0 34.0

88 14.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.388 ug/l

RT: 7.805 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD079528.D

Acq: 01 Aug 2024 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBL01

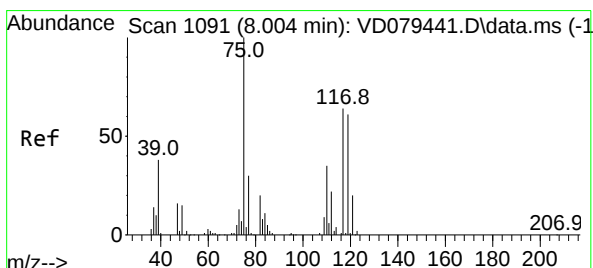
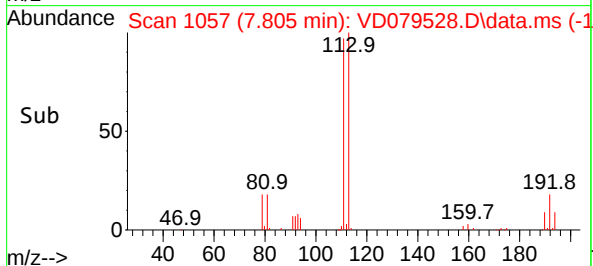
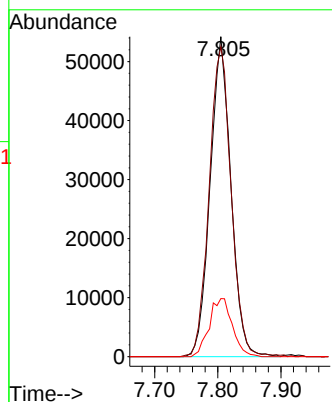
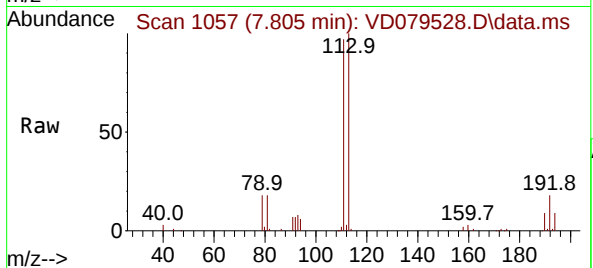
Tgt Ion:113 Resp: 123494

Ion Ratio Lower Upper

113 100

111 102.7 84.0 126.0

192 20.3 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.858 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079528.D

Acq: 01 Aug 2024 16:22

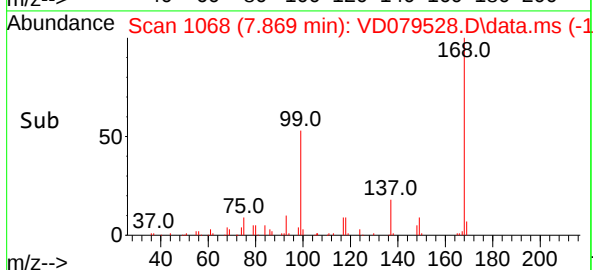
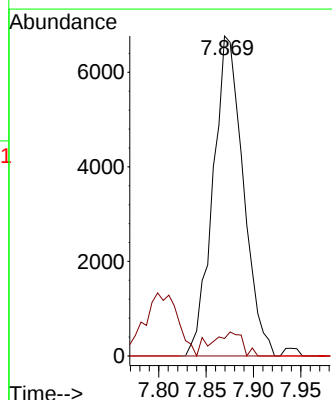
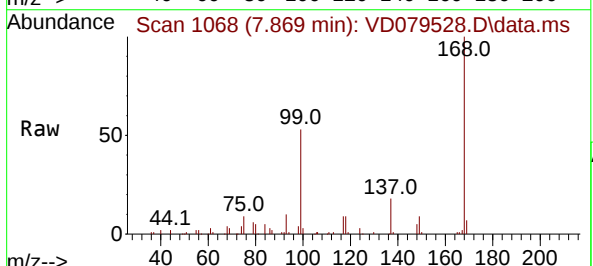
Tgt Ion: 75 Resp: 15057

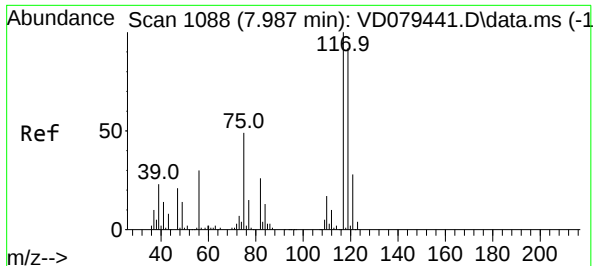
Ion Ratio Lower Upper

75 100

110 7.6 19.6 58.7#

77 0.0 26.1 39.1#

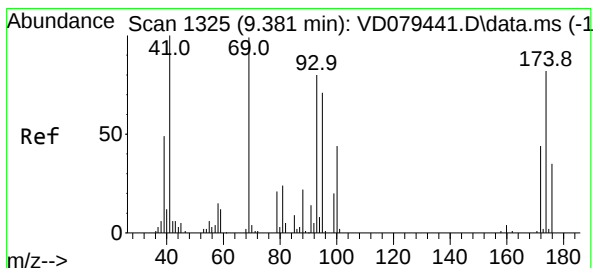
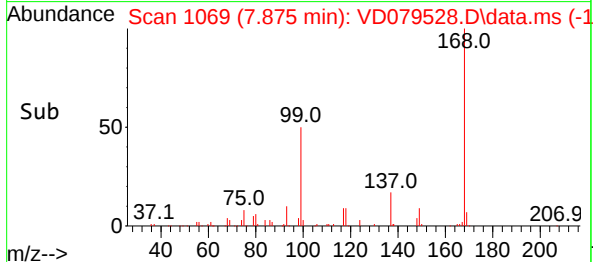
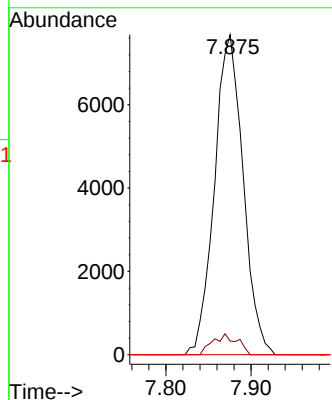
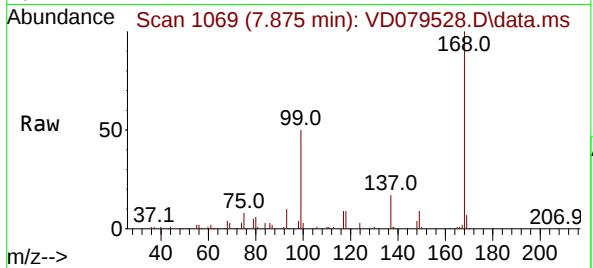




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

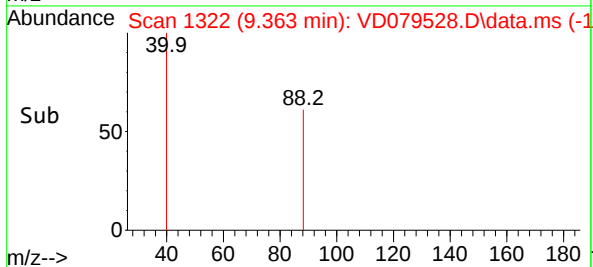
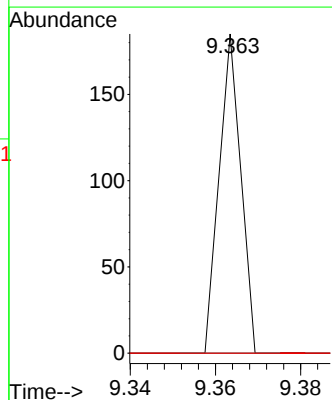
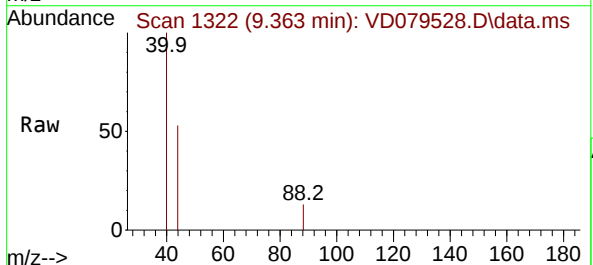
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBL01

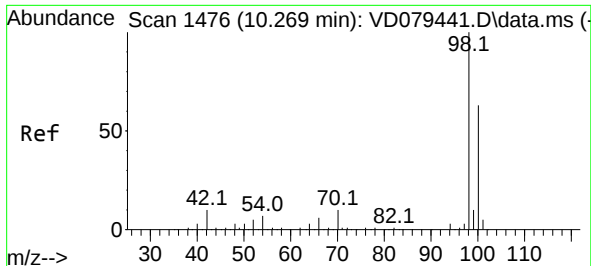
Tgt Ion: 117 Resp: 17961
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 4.724 ug/l
RT: 9.363 min Scan# 1322
Delta R.T. -0.029 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 21.5 32.3#
58 0.0 42.2 63.4#

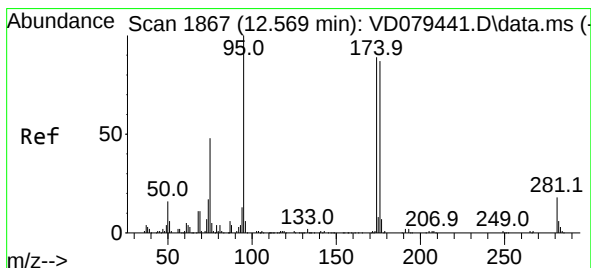
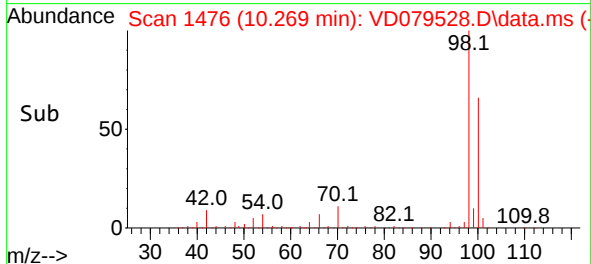
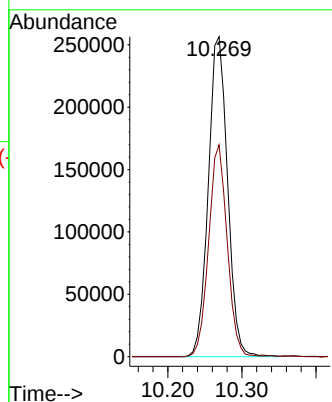
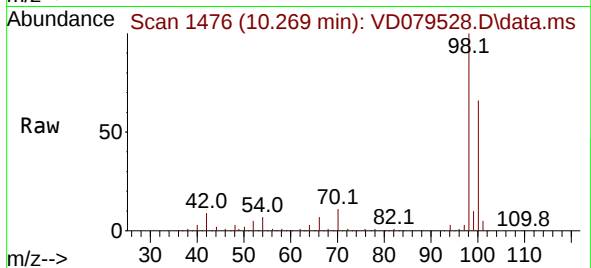




#50
Toluene-d8
Concen: 52.537 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

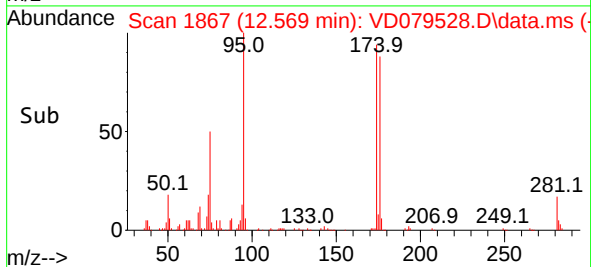
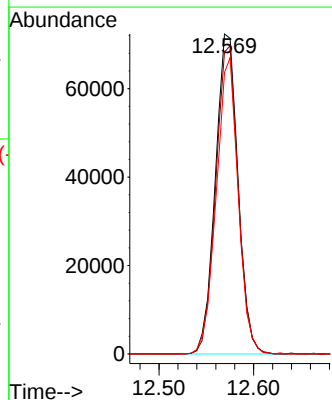
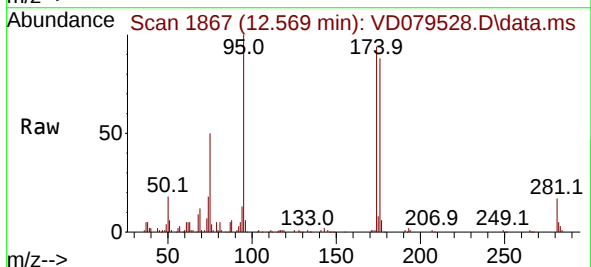
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MSVOA_D
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VD0801SBL01

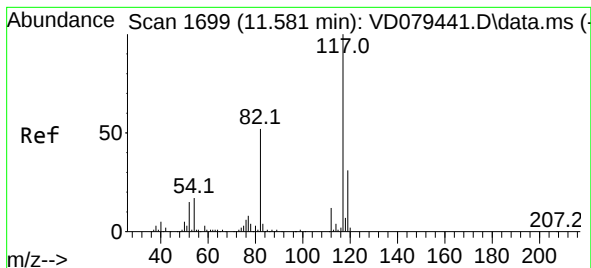
Tgt Ion: 98 Resp: 463252
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.032 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Tgt Ion: 95 Resp: 120010
Ion Ratio Lower Upper
95 100
174 95.6 0.0 195.4
176 89.7 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: VD079528.D

Acq: 01 Aug 2024 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD0801SBL01

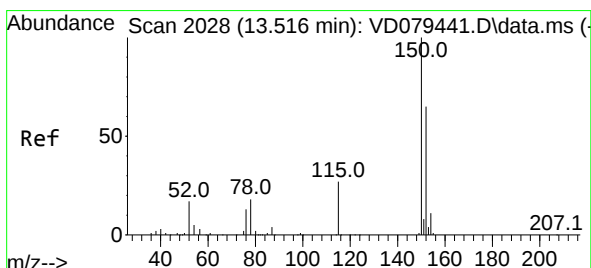
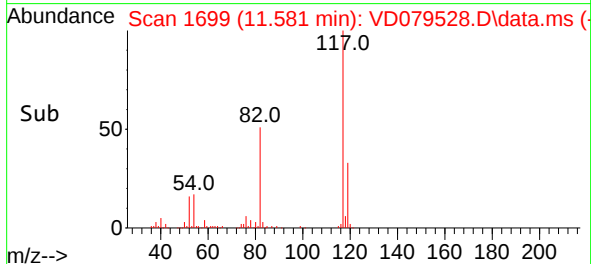
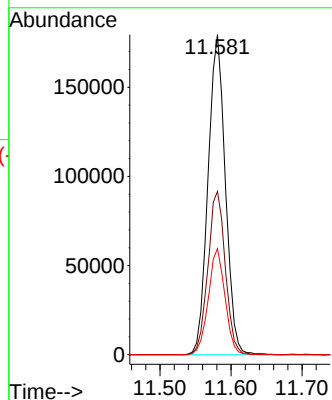
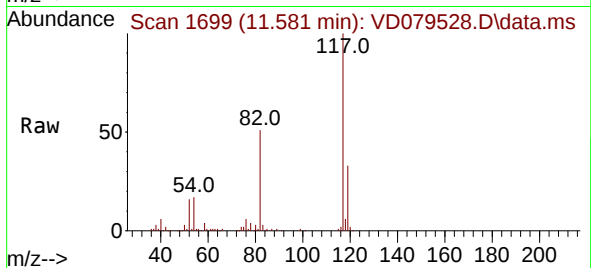
Tgt Ion:117 Resp: 303896

Ion Ratio Lower Upper

117 100

82 51.0 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: VD079528.D

Acq: 01 Aug 2024 16:22

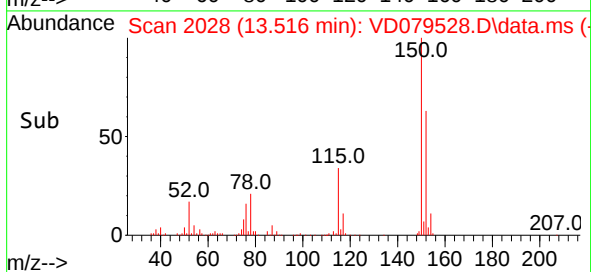
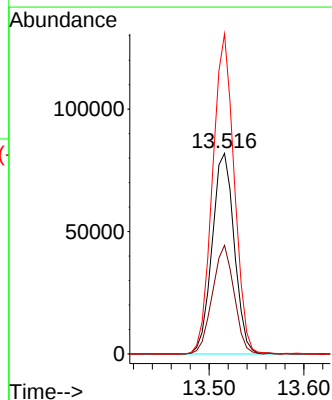
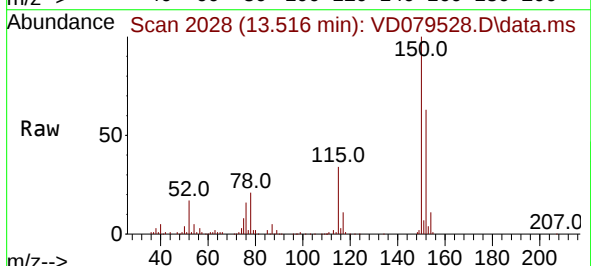
Tgt Ion:152 Resp: 133437

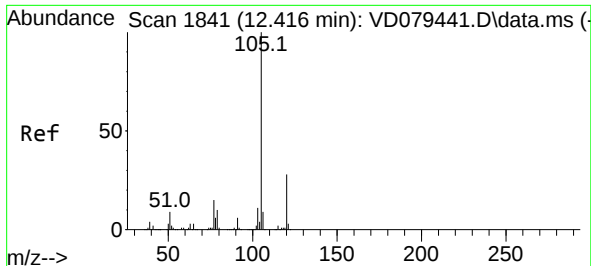
Ion Ratio Lower Upper

152 100

115 53.0 26.5 79.5

150 155.7 0.0 341.6

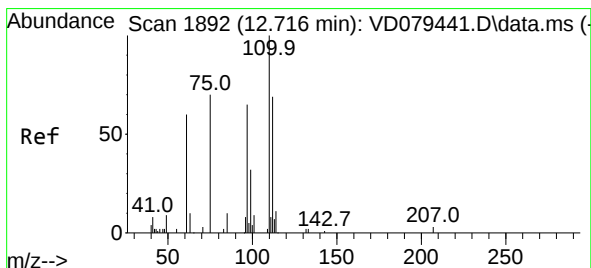
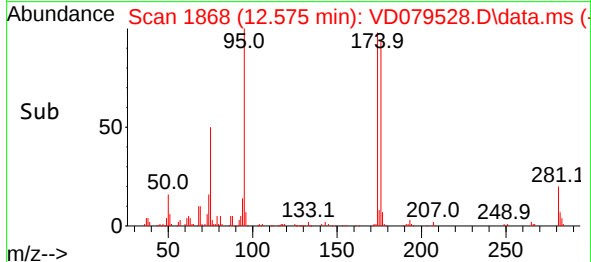
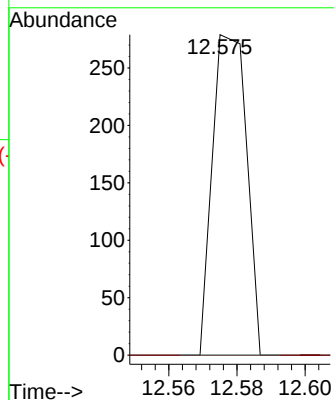
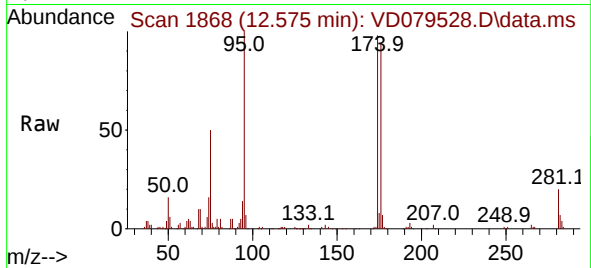




#73
Isopropylbenzene
Concen: 3.646 ug/l
RT: 12.575 min Scan# 1867
Delta R.T. 0.159 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

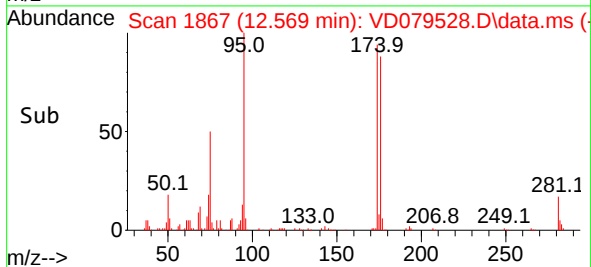
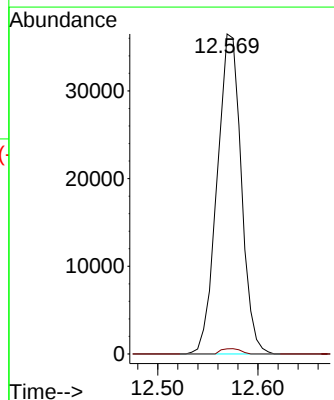
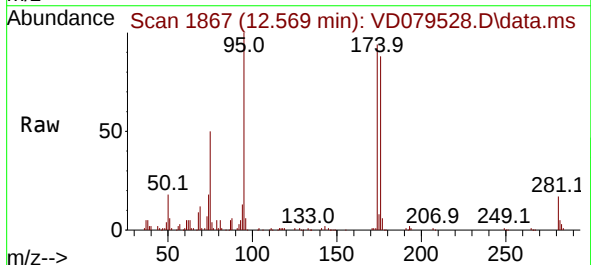
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBL01

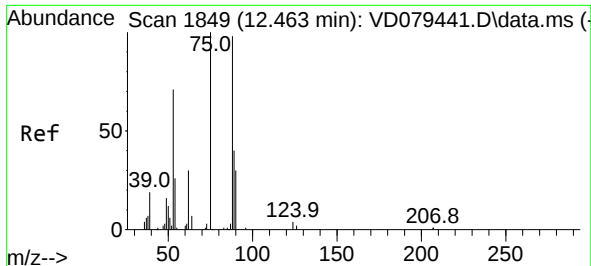
Tgt Ion:105 Resp: 194
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 52.213 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Tgt Ion: 75 Resp: 60900
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

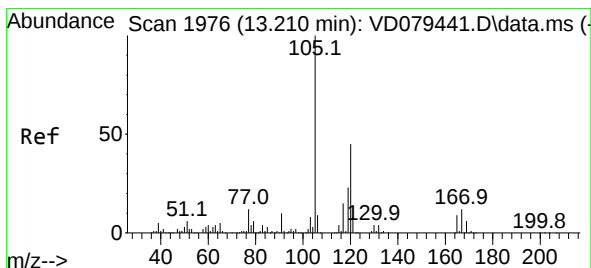
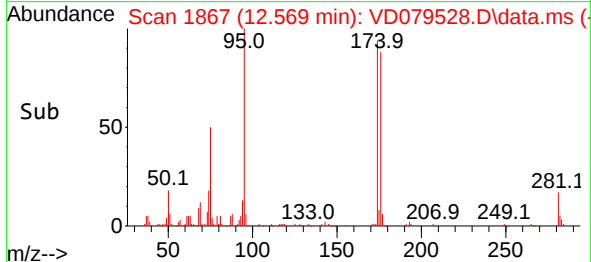
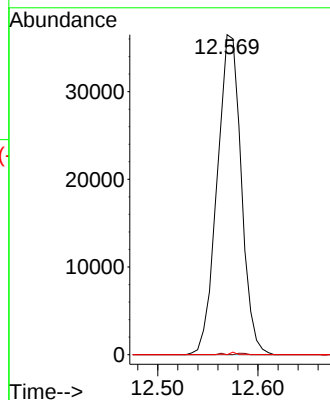
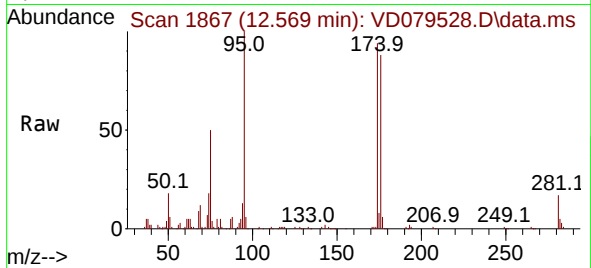




#81
trans-1,4-Dichloro-2-butene
Concen: 99.585 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

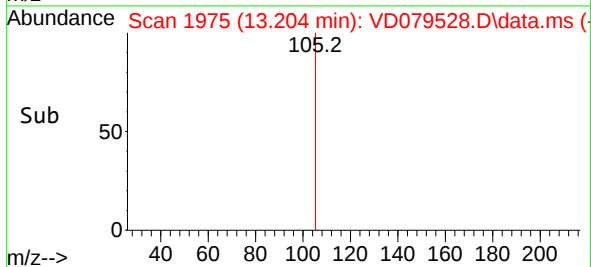
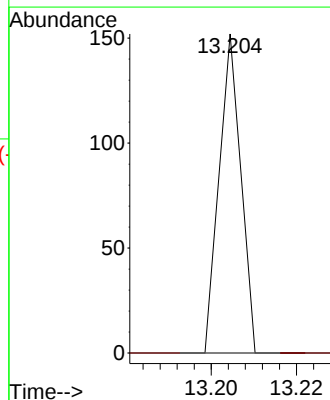
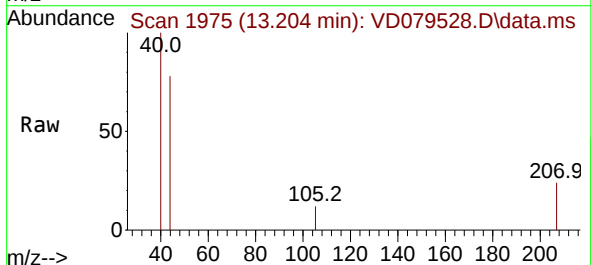
Instrument :
MSVOA_D
ClientSampleId :
VD0801SBL01

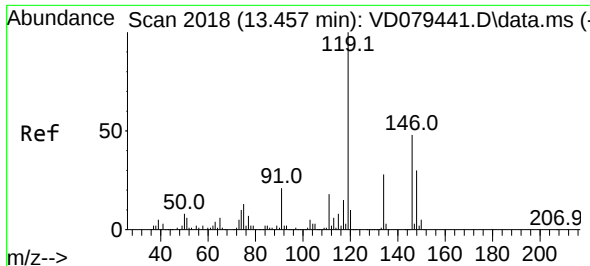
Tgt Ion: 75 Resp: 60900
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.2 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.434 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Tgt Ion: 105 Resp: 54
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#

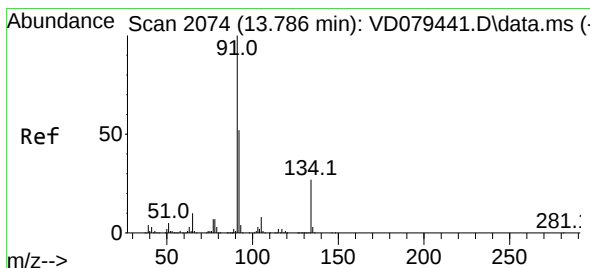
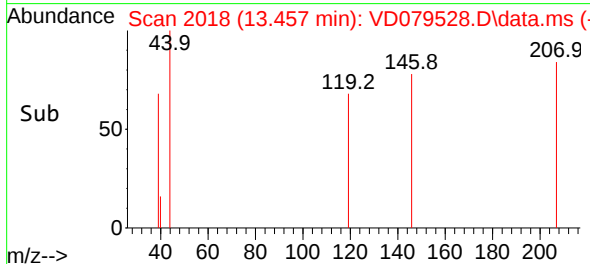
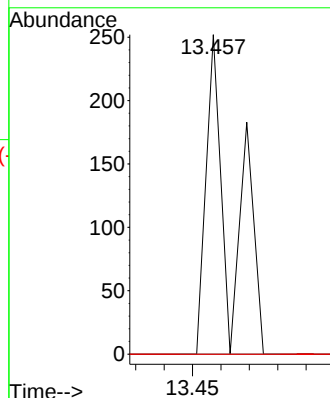
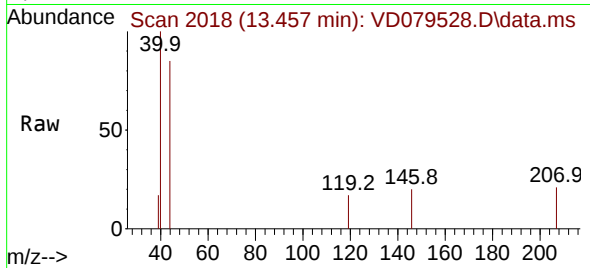




#86
p-Isopropyltoluene
Concen: 3.902 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD0801SBL01

Tgt Ion:	119	Resp:	154
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89
n-Butylbenzene
Concen: 3.805 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD079528.D
Acq: 01 Aug 2024 16:22

Tgt Ion:	91	Resp:	213
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

