

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079471.D
 Acq On : 30 Jul 2024 23:39
 Operator : RP/MD
 Sample : VD0730SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBL02

Quant Time: Jul 31 01:59:18 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)

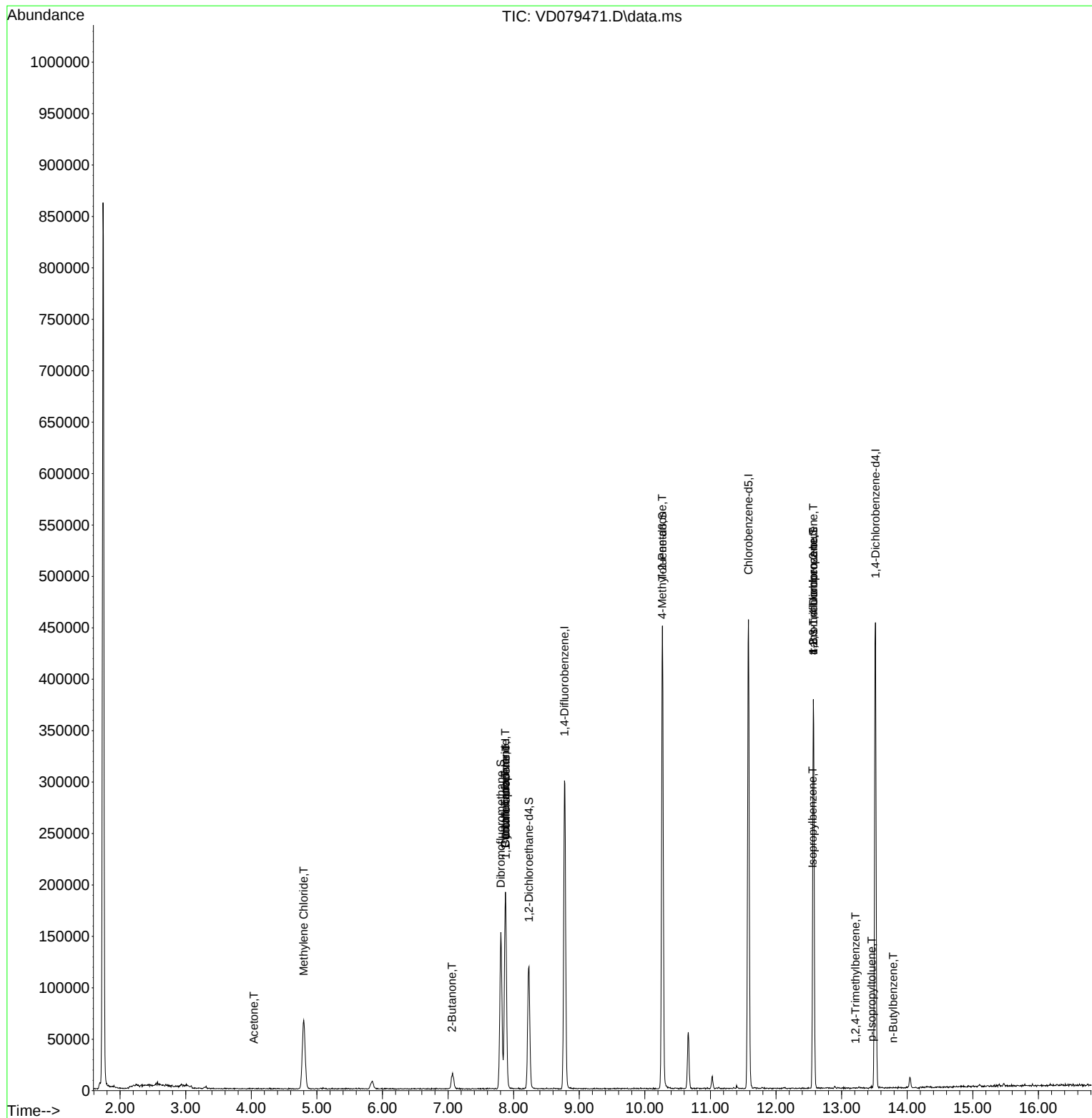
Internal Standards						
1) Pentafluorobenzene	7.875	168	156058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	282052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	283632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	95659	60.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.680%	
35) Dibromofluoromethane	7.804	113	107476	56.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.600%	
50) Toluene-d8	10.269	98	322955	43.563	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.120%	
62) 4-Bromofluorobenzene	12.569	95	104097	48.522	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.040%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	659	Below Cal	#	51
11) Tert butyl alcohol	5.069	59	96	Below Cal	#	86
16) Acetone	4.040	43	338	1.097	ug/l #	37
20) Methylene Chloride	4.799	84	54687	13.136	ug/l	93
25) 2-Butanone	7.057	43	811	1.857	ug/l #	42
31) Cyclohexane	7.875	56	3249	1.234	ug/l #	40
36) 1,1-Dichloropropene	7.881	75	10870	4.172	ug/l #	47
38) Carbon Tetrachloride	7.875	117	15157	5.533	ug/l #	16
51) 4-Methyl-2-Pentanone	10.263	43	1133	1.105	ug/l #	1
73) Isopropylbenzene	12.557	105	296	3.655	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	52371	44.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	52371	85.593	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.210	105	370	3.470	ug/l #	51
86) p-Isopropyltoluene	13.457	119	180	3.904	ug/l #	51
89) n-Butylbenzene	13.786	91	252	3.809	ug/l #	34

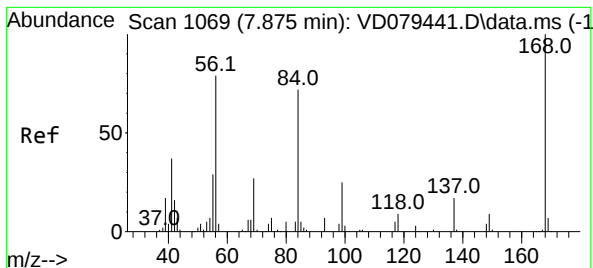
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 01:59:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

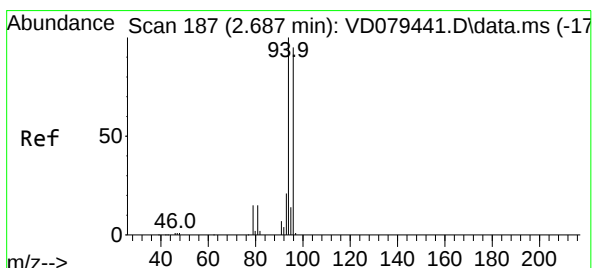
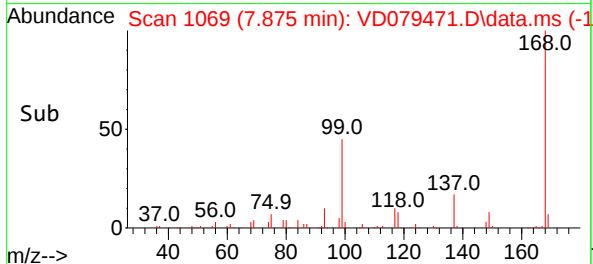
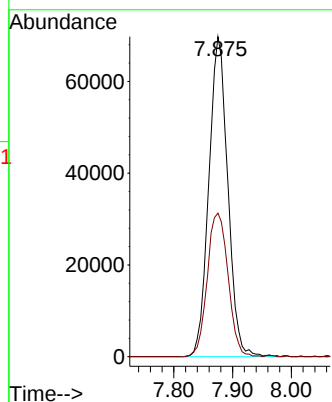
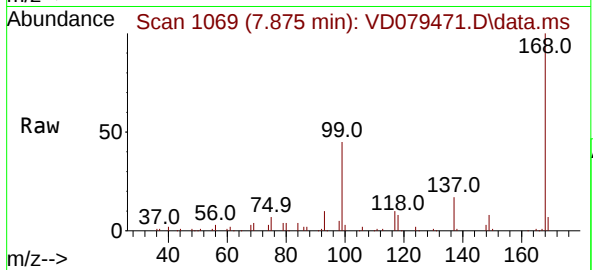




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

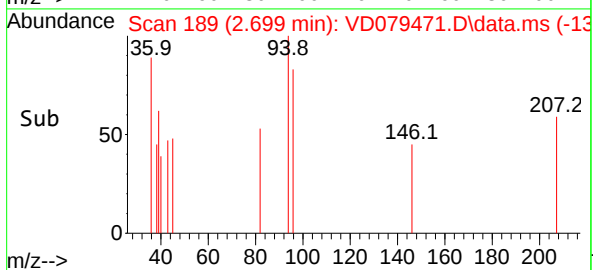
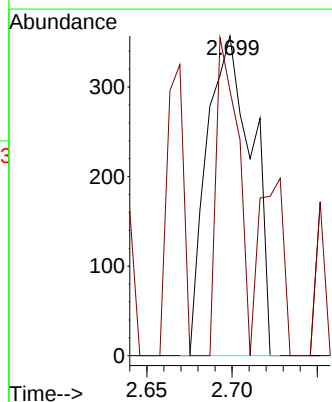
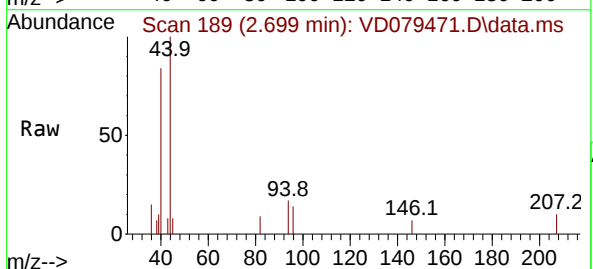
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL02

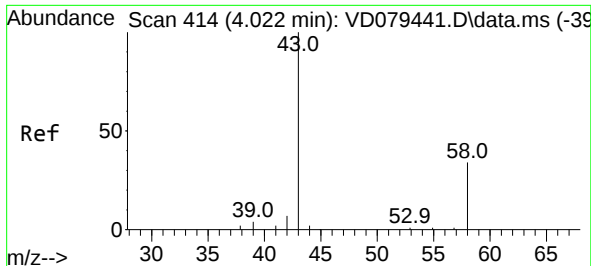
Tgt Ion:168 Resp: 156058
Ion Ratio Lower Upper
168 100
99 44.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

Tgt Ion: 94 Resp: 659
Ion Ratio Lower Upper
94 100
96 47.8 76.9 115.3#





#16

Acetone

Concen: 1.097 ug/l

RT: 4.040 min Scan# 41

Delta R.T. 0.018 min

Lab File: VD079471.D

Acq: 30 Jul 2024 23:39

Instrument :

MSVOA_D

ClientSampleId :

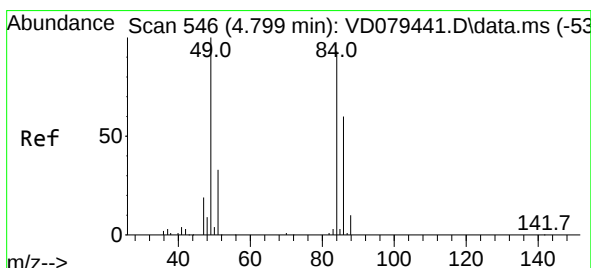
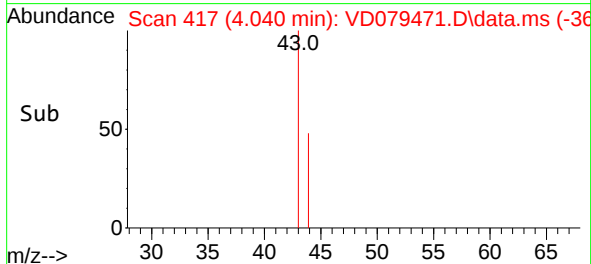
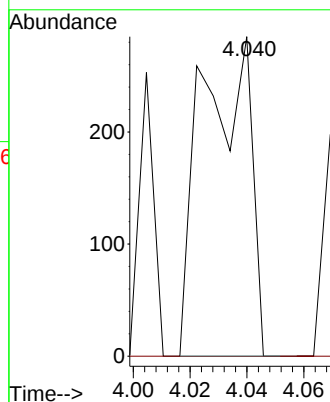
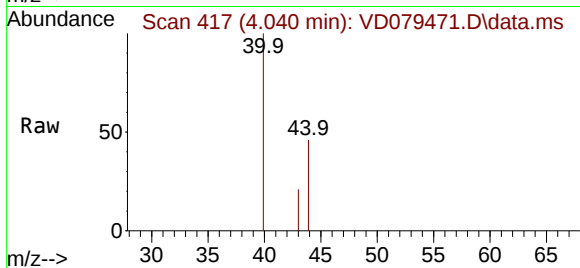
VD0730SBL02

Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#20

Methylene Chloride

Concen: 13.136 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD079471.D

Acq: 30 Jul 2024 23:39

Tgt Ion: 84 Resp: 54687

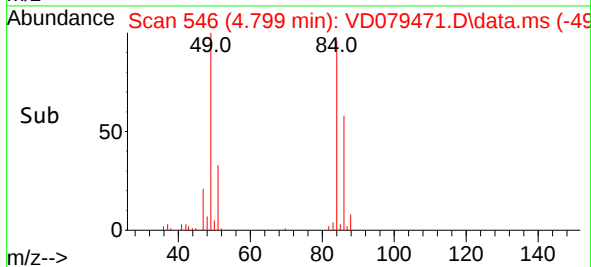
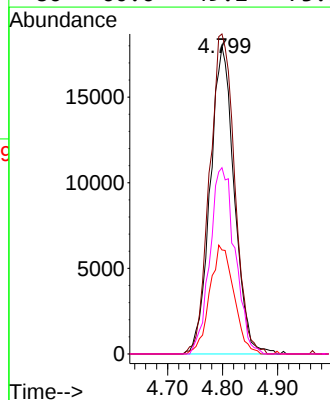
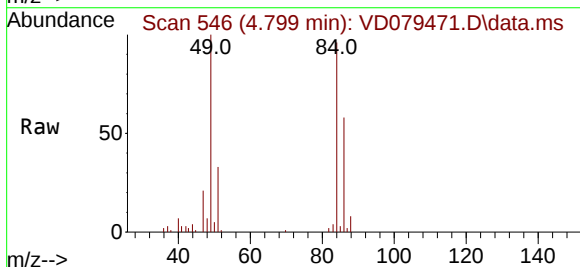
Ion Ratio Lower Upper

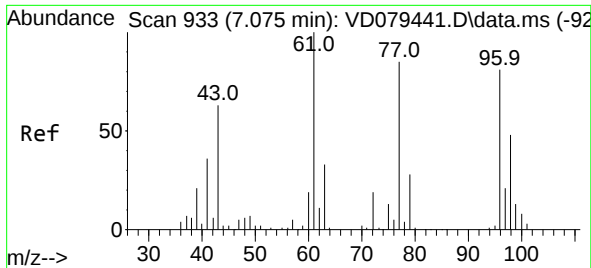
84 100

49 104.1 75.6 113.4

51 33.9 24.2 36.2

86 60.6 49.2 73.8

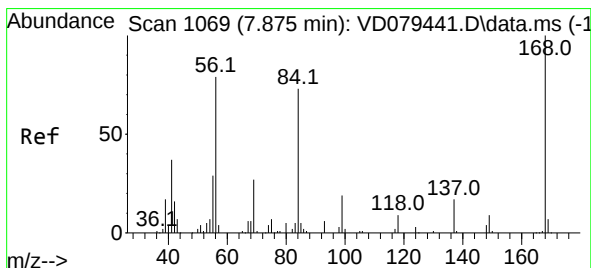
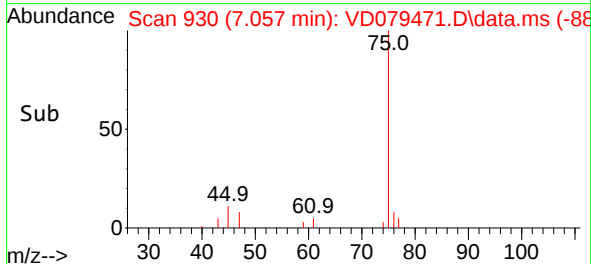
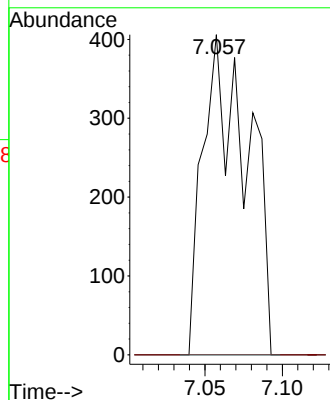
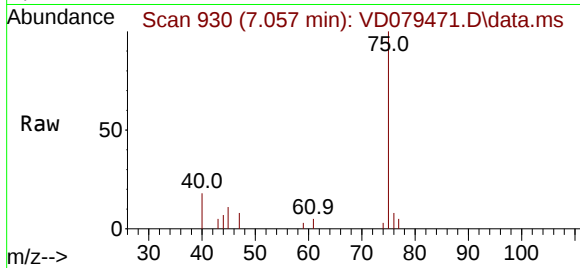




#25
2-Butanone
Concen: 1.857 ug/l
RT: 7.057 min Scan# 911
Delta R.T. -0.035 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

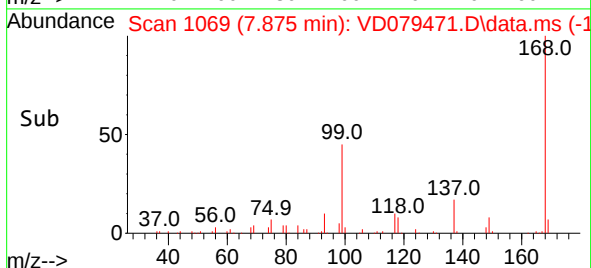
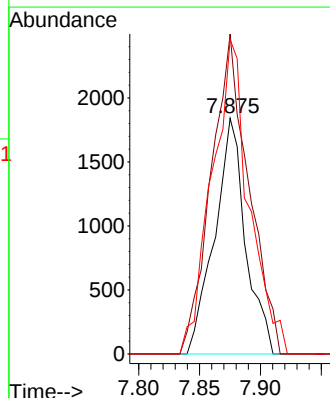
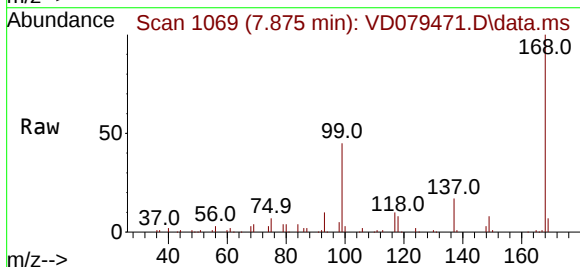
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL02

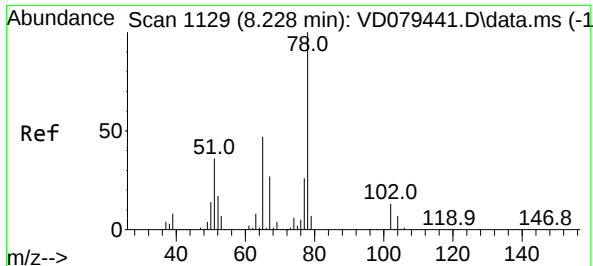
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

Tgt Ion: 56 Resp: 3249
Ion Ratio Lower Upper
56 100
69 135.8 28.0 42.0#
84 133.5 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 60.337 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079471.D

Acq: 30 Jul 2024 23:39

Instrument :

MSVOA_D

ClientSampleId :

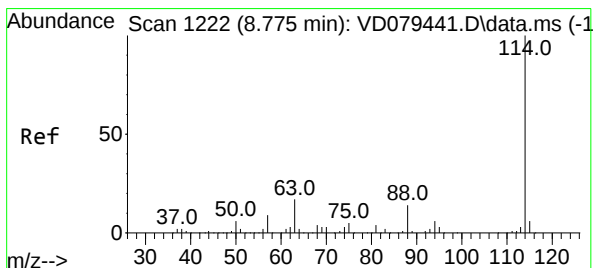
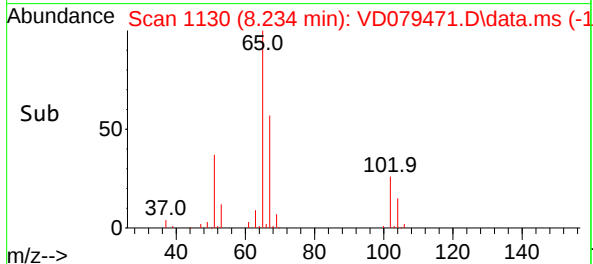
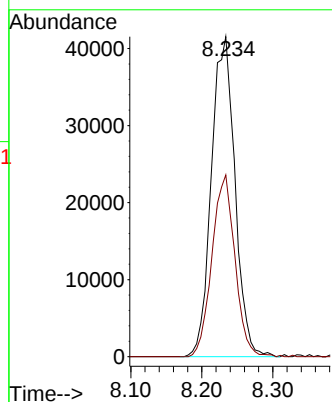
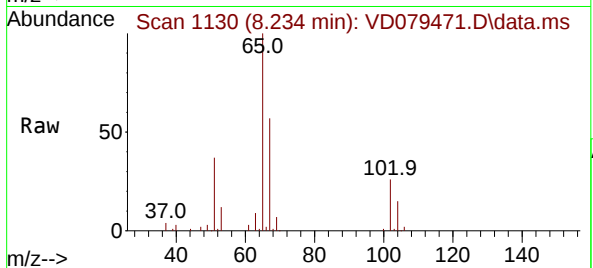
VD0730SBL02

Tgt Ion: 65 Resp: 95659

Ion Ratio Lower Upper

65 100

67 55.4 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: VD079471.D

Acq: 30 Jul 2024 23:39

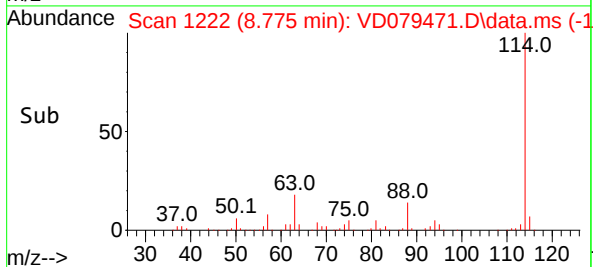
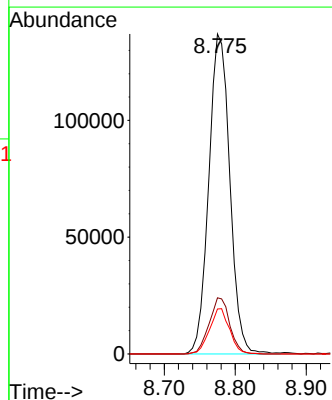
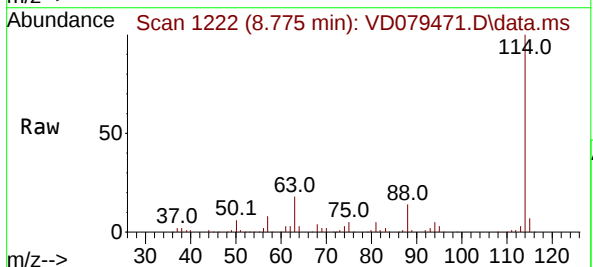
Tgt Ion: 114 Resp: 282052

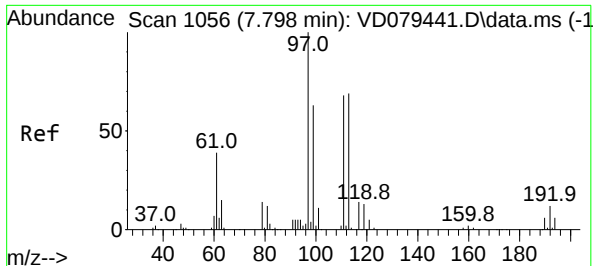
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.0

88 14.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 56.298 ug/l

RT: 7.804 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD079471.D

Acq: 30 Jul 2024 23:39

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBL02

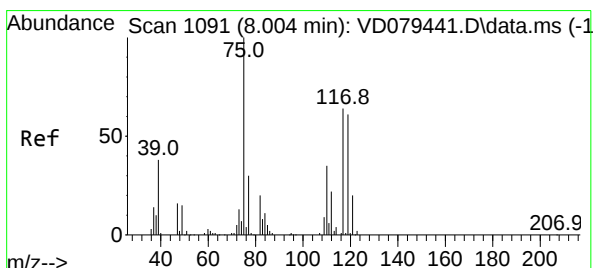
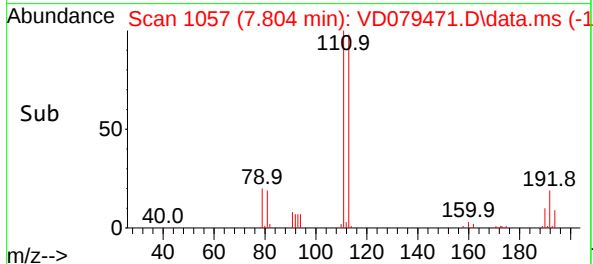
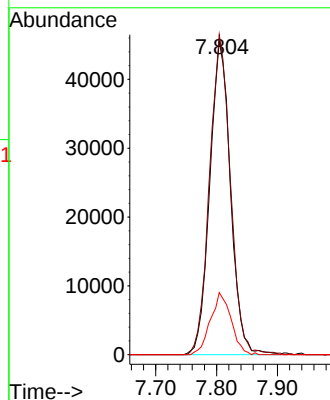
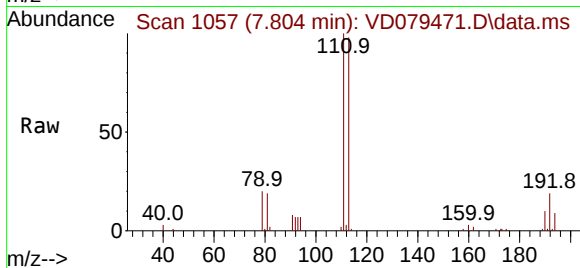
Tgt Ion:113 Resp: 107476

Ion Ratio Lower Upper

113 100

111 102.9 84.0 126.0

192 19.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.172 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD079471.D

Acq: 30 Jul 2024 23:39

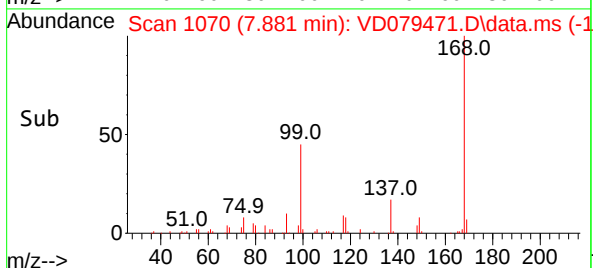
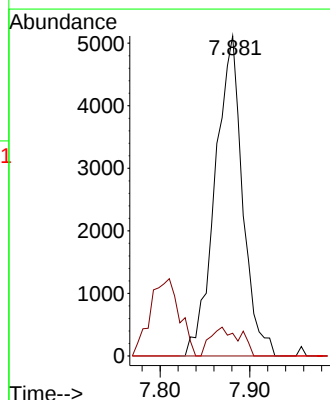
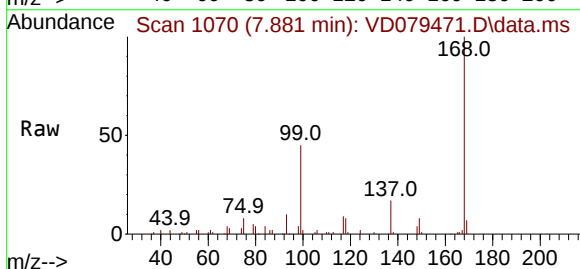
Tgt Ion: 75 Resp: 10870

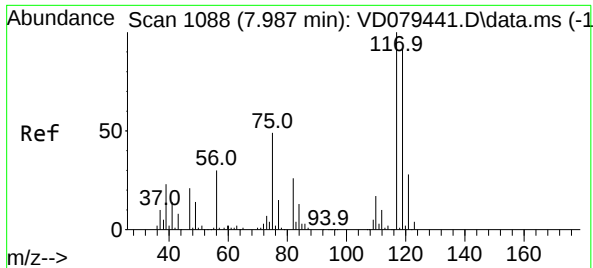
Ion Ratio Lower Upper

75 100

110 9.7 19.6 58.7#

77 0.0 26.1 39.1#

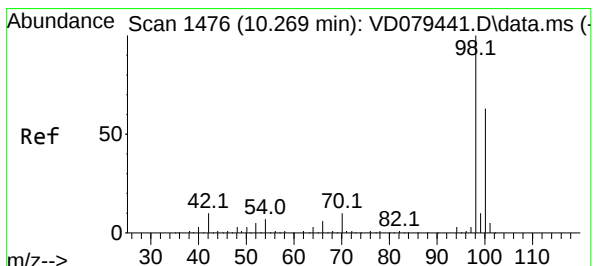
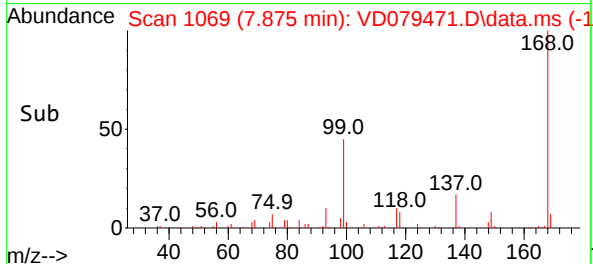
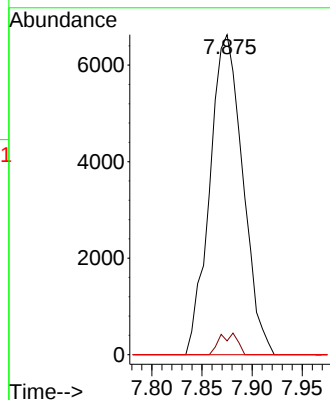
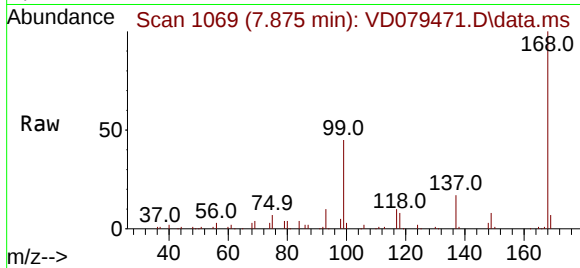




#38
Carbon Tetrachloride
Concen: 5.533 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

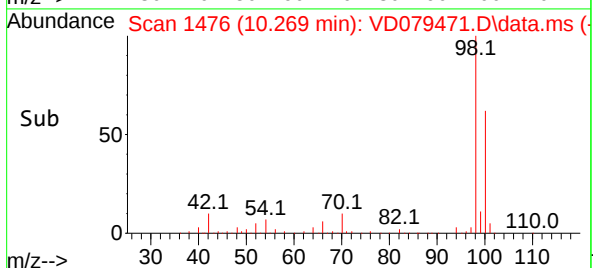
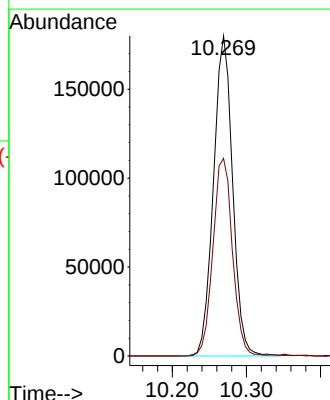
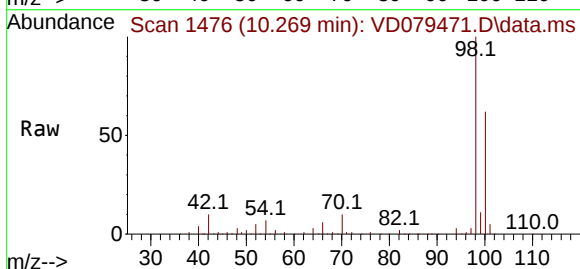
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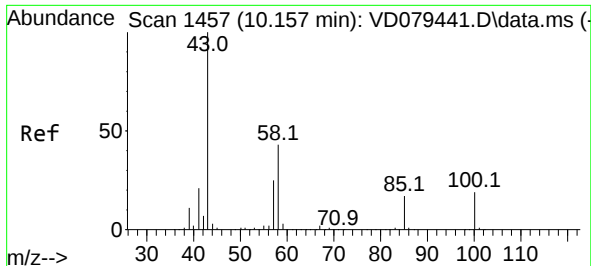
Tgt Ion:117 Resp: 15157
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 43.563 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

Tgt Ion: 98 Resp: 322955
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4

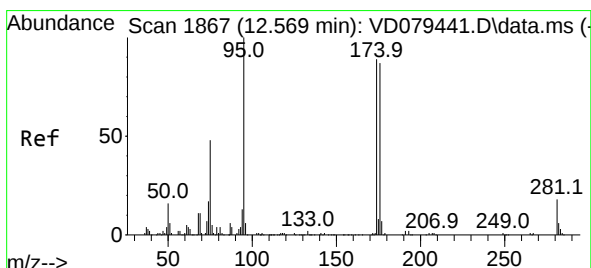
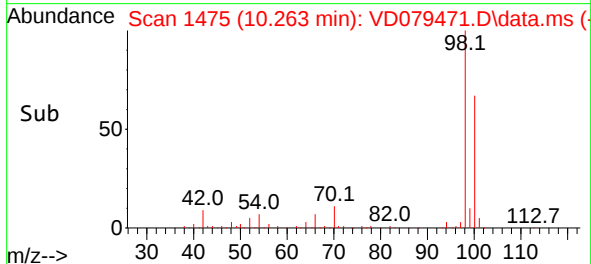
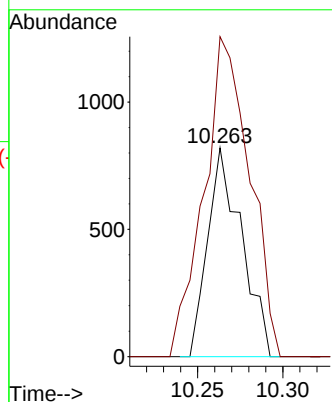
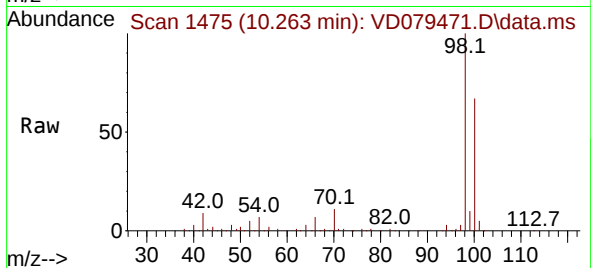




#51
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

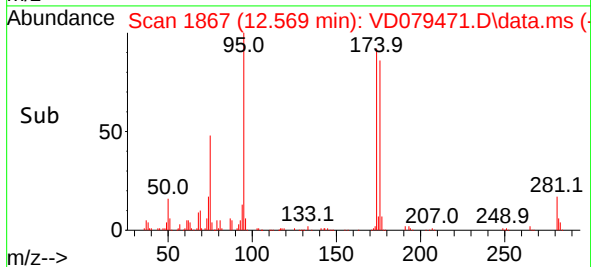
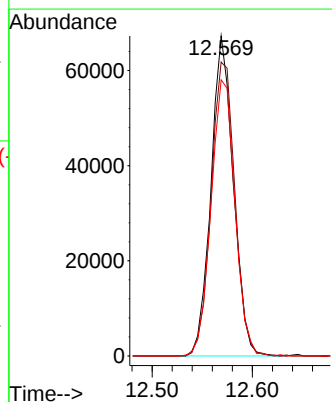
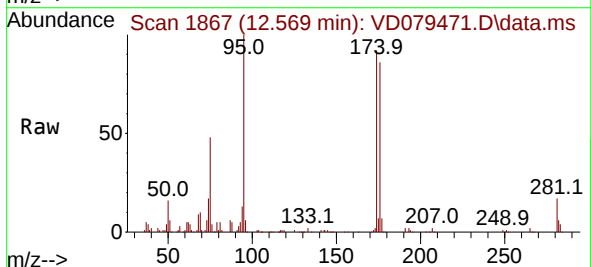
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL02

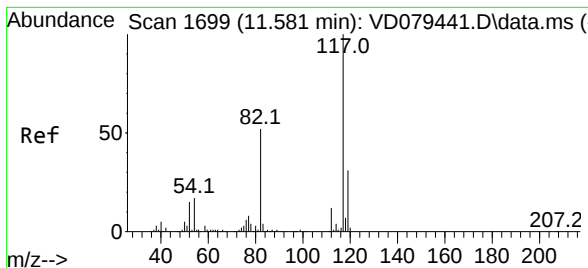
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 207.1 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 48.522 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

Tgt Ion: 95 Resp: 104097
Ion Ratio Lower Upper
95 100
174 97.8 0.0 195.4
176 92.0 0.0 192.6

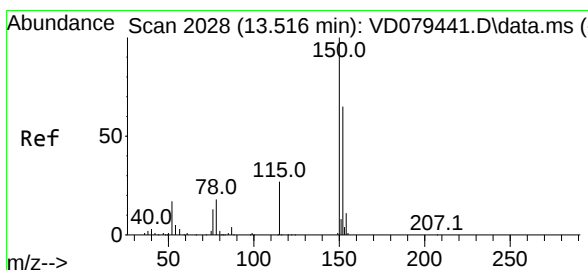
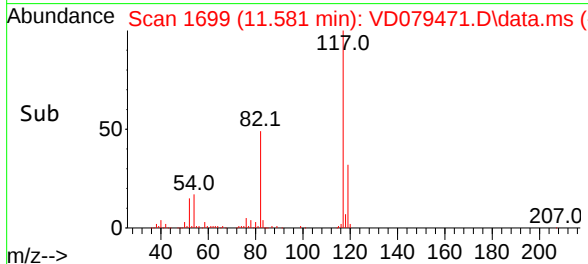
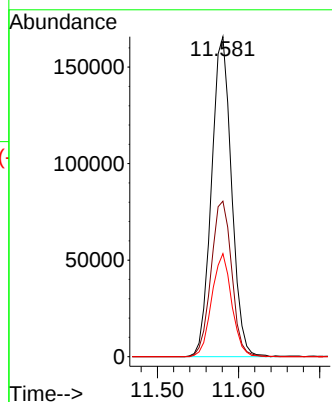
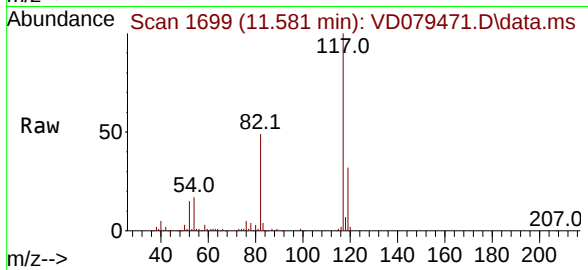




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

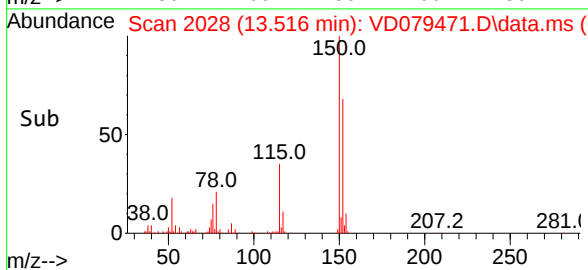
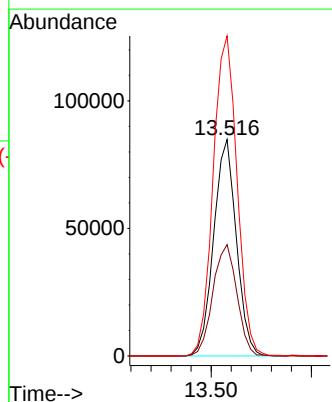
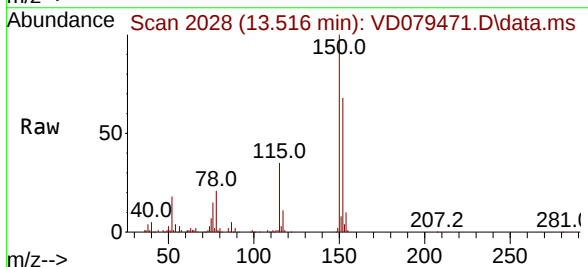
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL02

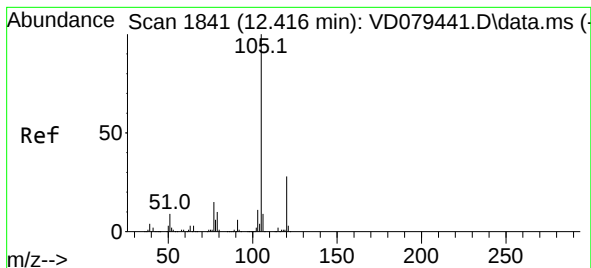
Tgt Ion:117 Resp: 283632
Ion Ratio Lower Upper
117 100
82 48.6 39.8 59.6
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

Tgt Ion:152 Resp: 133507
Ion Ratio Lower Upper
152 100
115 54.4 26.5 79.5
150 155.3 0.0 341.6





#73

Isopropylbenzene

Concen: 3.655 ug/l

RT: 12.557 min Scan# 1865

Delta R.T. 0.141 min

Lab File: VD079471.D

Acq: 30 Jul 2024 23:39

Instrument :

MSVOA_D

ClientSampleId :

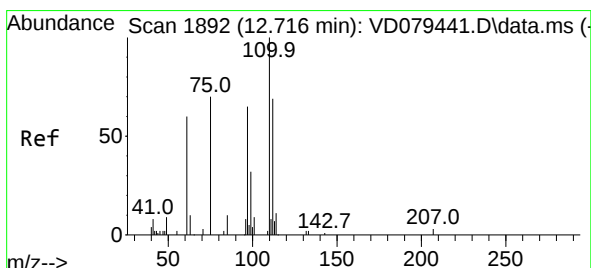
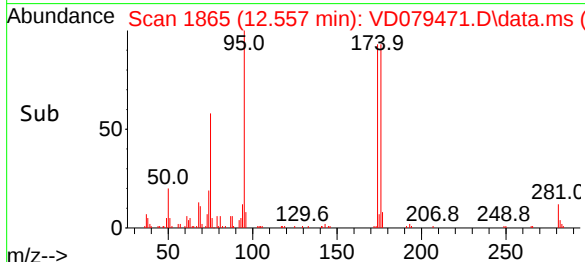
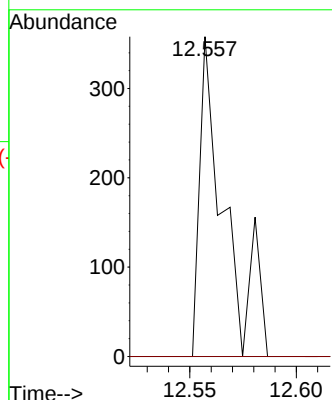
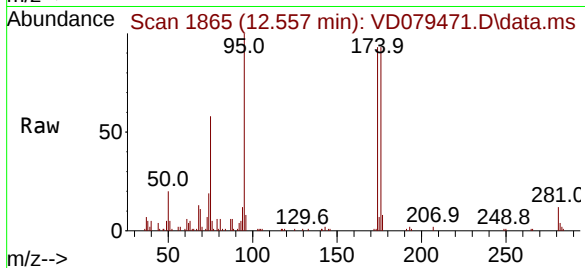
VD0730SBL02

Tgt Ion:105 Resp: 296

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 44.877 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079471.D

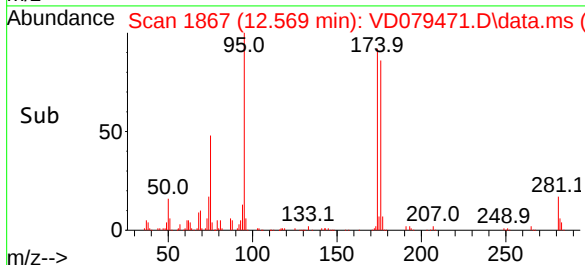
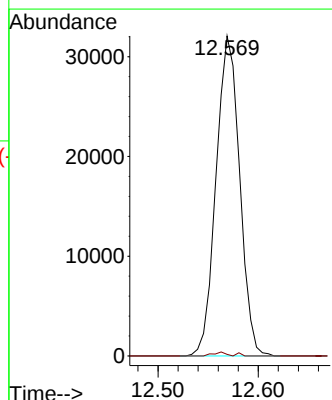
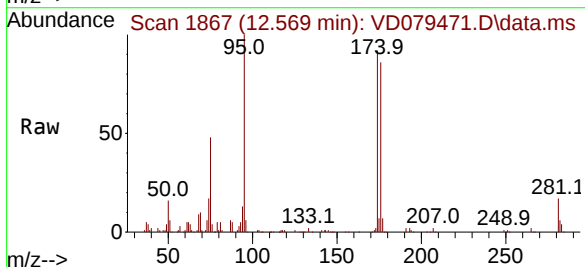
Acq: 30 Jul 2024 23:39

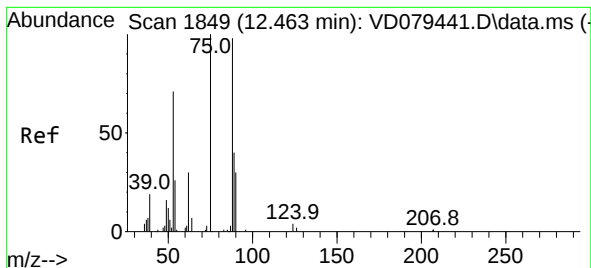
Tgt Ion: 75 Resp: 52371

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#

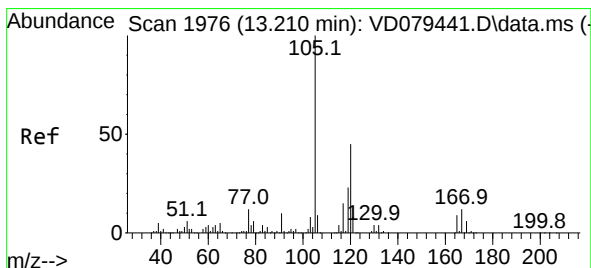
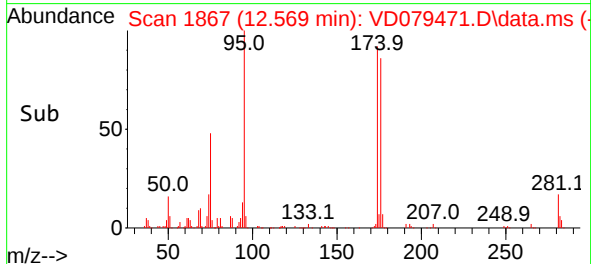
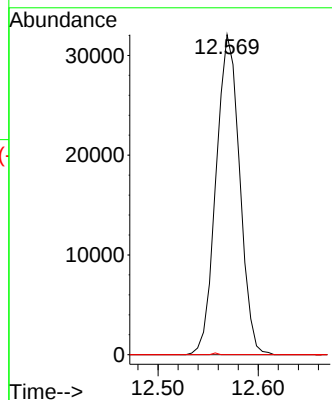
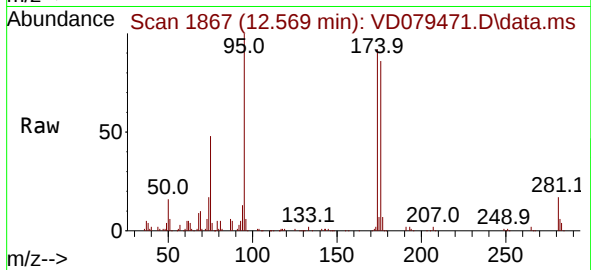




#81
trans-1,4-Dichloro-2-butene
Concen: 85.593 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

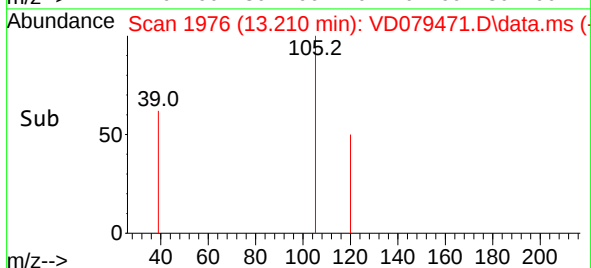
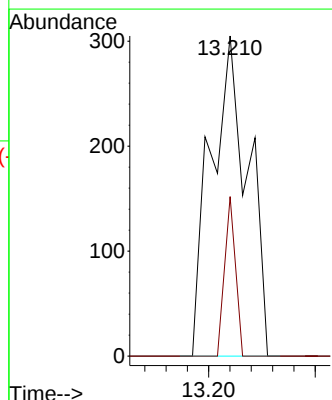
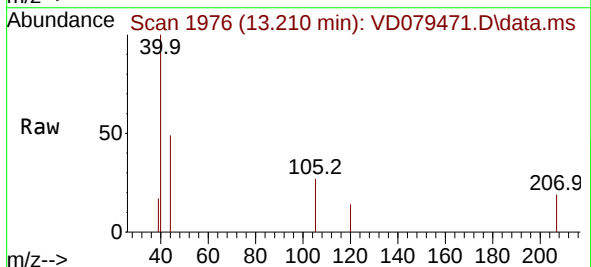
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL02

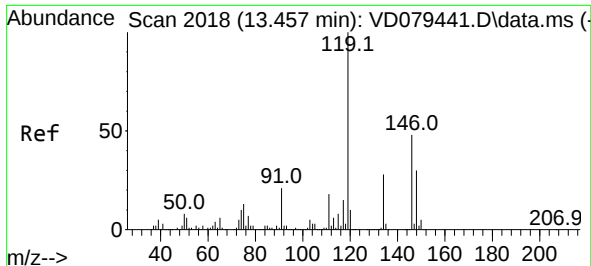
Tgt Ion: 75 Resp: 52371
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.1 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.470 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

Tgt Ion: 105 Resp: 370
Ion Ratio Lower Upper
105 100
120 14.6 23.6 71.0#

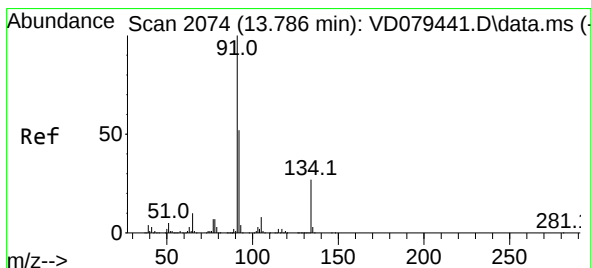
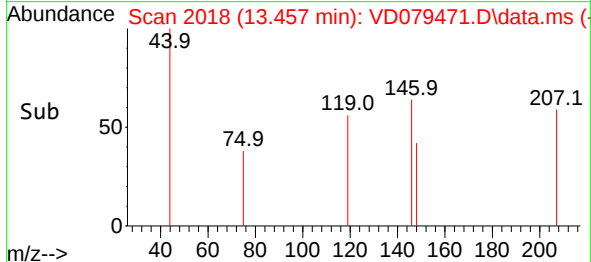
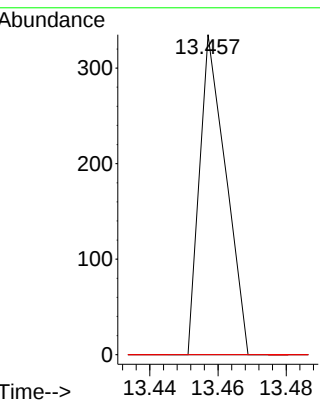
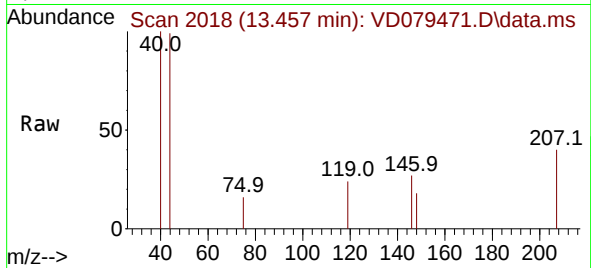




#86
p-Isopropyltoluene
Concen: 3.904 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL02

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



#89
n-Butylbenzene
Concen: 3.809 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD079471.D
Acq: 30 Jul 2024 23:39

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

