

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077815.D
 Acq On : 11 Dec 2023 17:02
 Operator : JC/SY
 Sample : 05659-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-120623

Quant Time: Dec 11 17:05:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

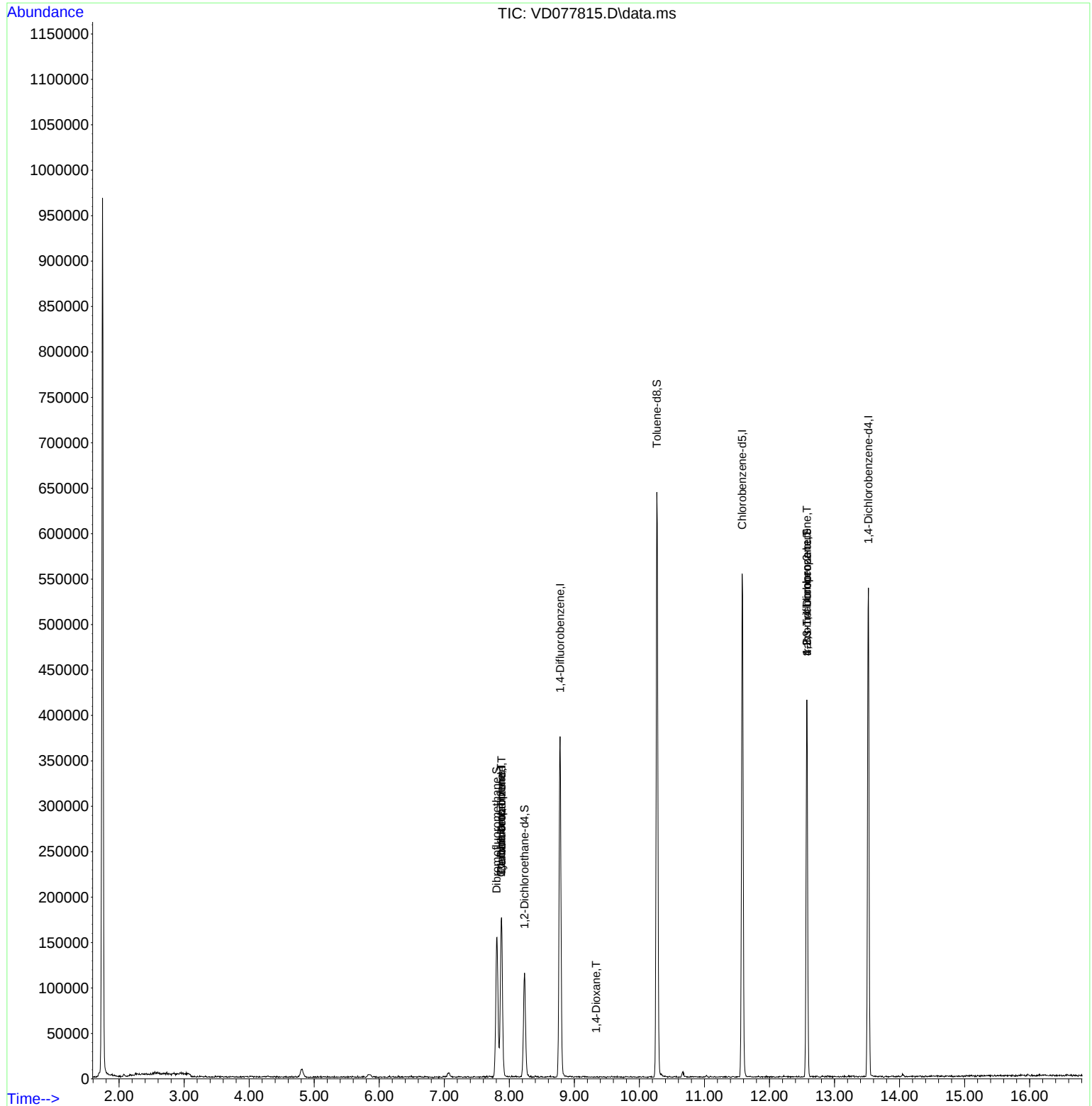
Internal Standards						
1) Pentafluorobenzene	7.881	168	139263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	144958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	88611	53.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.000%	
35) Dibromofluoromethane	7.804	113	110100	47.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.300%	
50) Toluene-d8	10.269	98	449537	48.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.140%	
62) 4-Bromofluorobenzene	12.575	95	123656	44.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.460%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.034	59	64	Below Cal	#	73
16) Acetone	4.028	43	378	Below Cal	#	47
20) Methylene Chloride	4.799	84	6770	Below Cal	#	86
25) 2-Butanone	7.081	43	155	Below Cal	#	37
31) Cyclohexane	7.875	56	2966	1.016	ug/l #	31
36) 1,1-Dichloropropene	7.875	75	11125	2.979	ug/l #	46
38) Carbon Tetrachloride	7.881	117	12956	3.480	ug/l #	17
49) 1,4-Dioxane	9.334	88	58	4.284	ug/l #	1
65) Chlorobenzene	11.604	112	564	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.575	75	65955	52.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	65955	106.142	ug/l #	17
88) 1,4-Dichlorobenzene	13.545	146	379	Below Cal	#	26

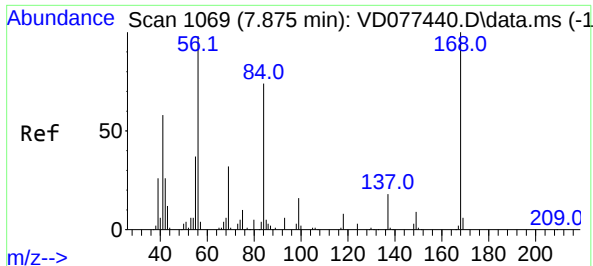
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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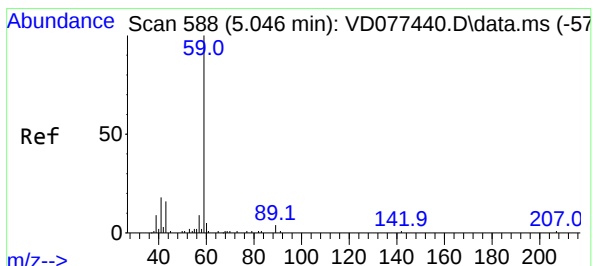
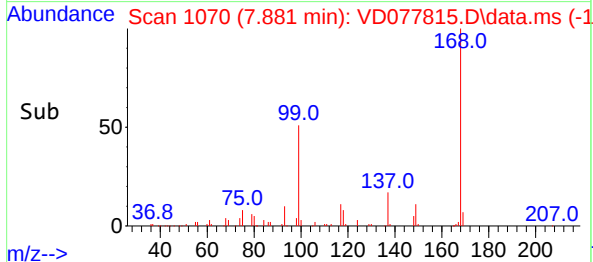
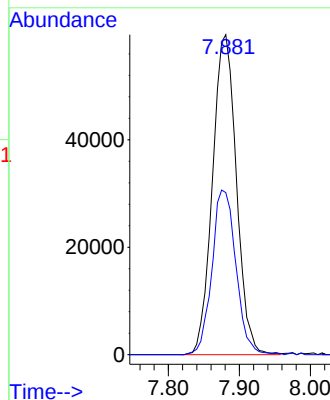
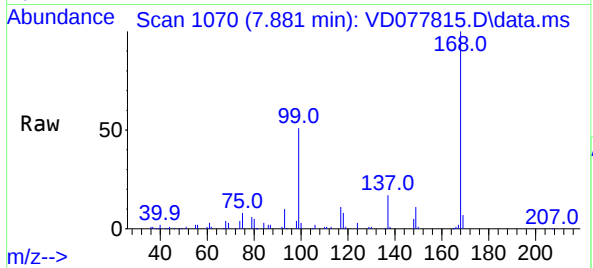




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

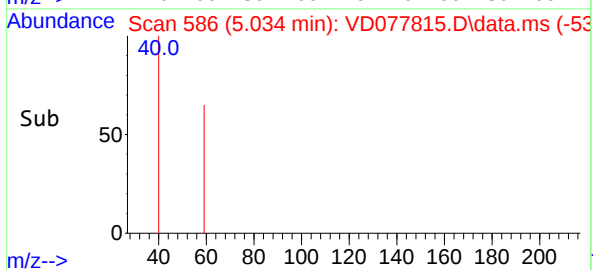
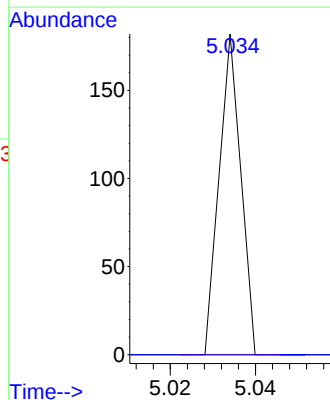
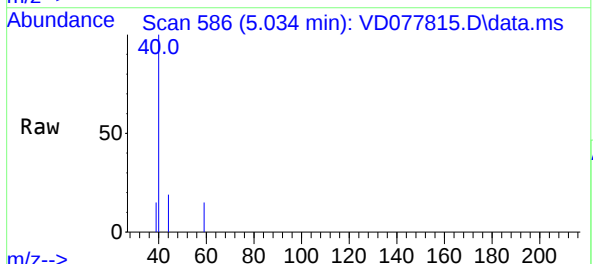
Instrument :
MSVOA_D
ClientSampleId :
SU-04-120623

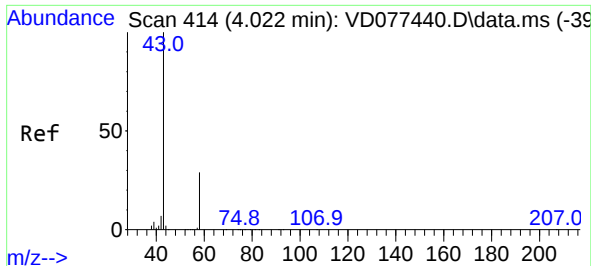
Tgt Ion:168 Resp: 139263
Ion Ratio Lower Upper
168 100
99 50.7 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.034 min Scan# 586
Delta R.T. -0.012 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

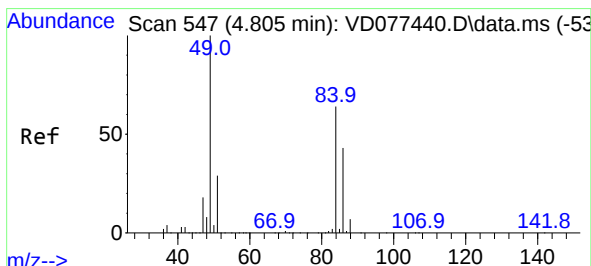
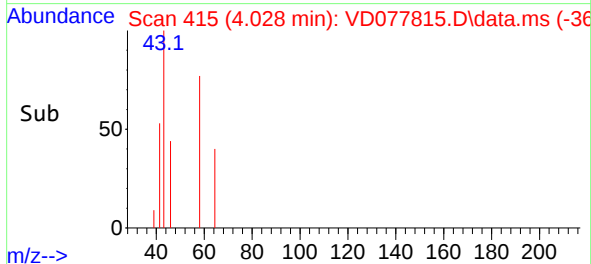
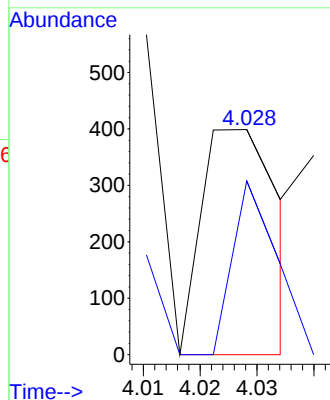
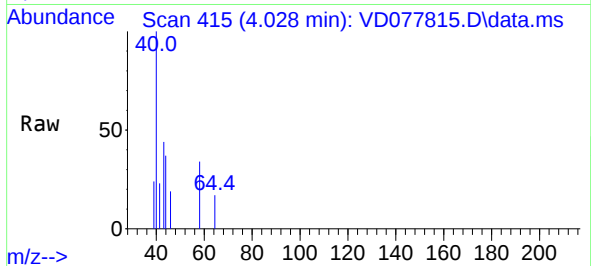




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

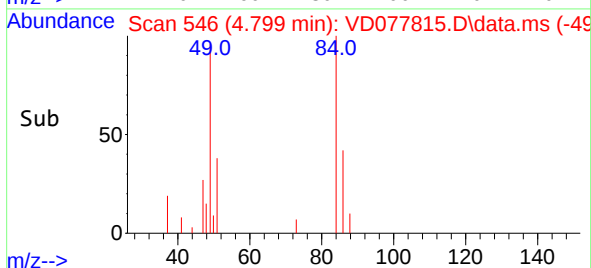
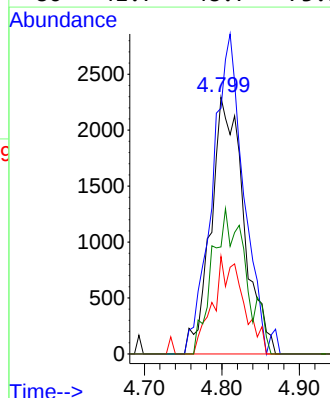
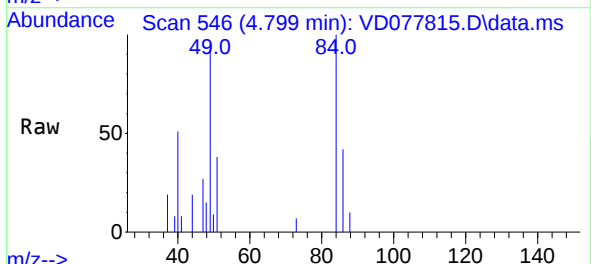
Instrument :
MSVOA_D
ClientSampleId :
SU-04-120623

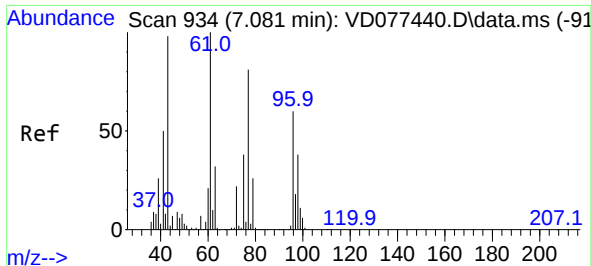
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 77.2 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 84 Resp: 6770
Ion Ratio Lower Upper
84 100
49 95.8 71.4 107.2
51 38.0 24.5 36.7#
86 41.7 48.7 73.1#

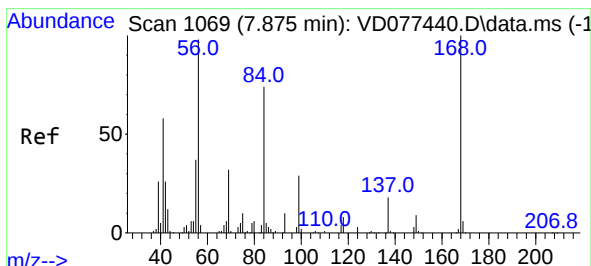
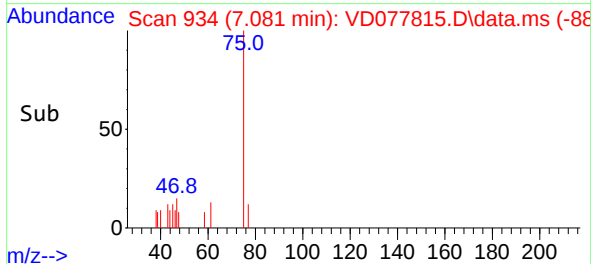
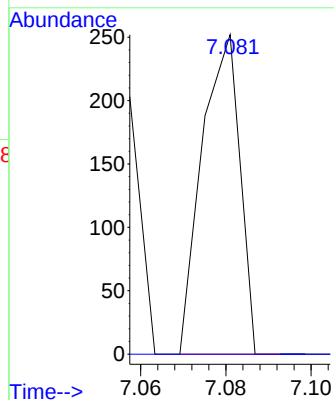
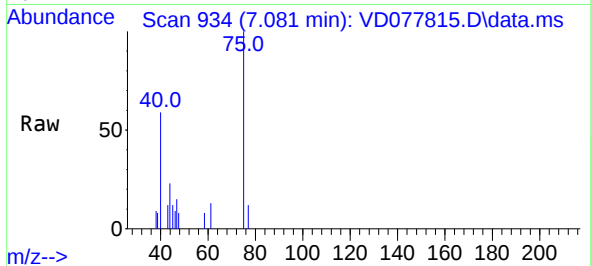




#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

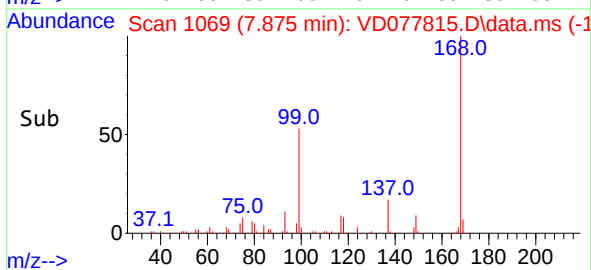
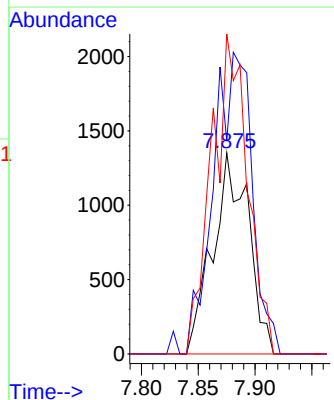
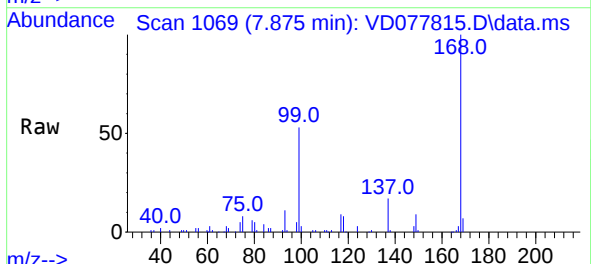
Instrument :
MSVOA_D
ClientSampleId :
SU-04-120623

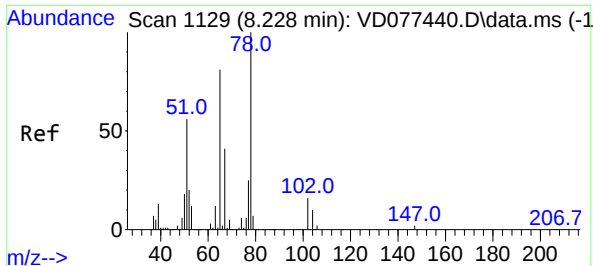
Tgt Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 56 Resp: 2966
Ion Ratio Lower Upper
56 100
69 105.8 28.6 43.0#
84 159.2 84.8 127.2#

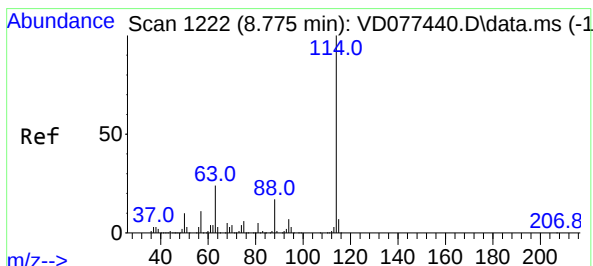
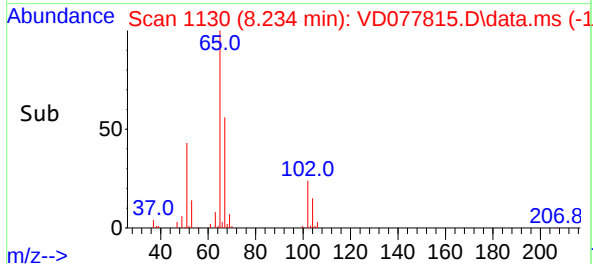
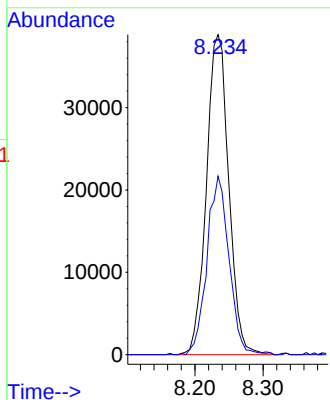
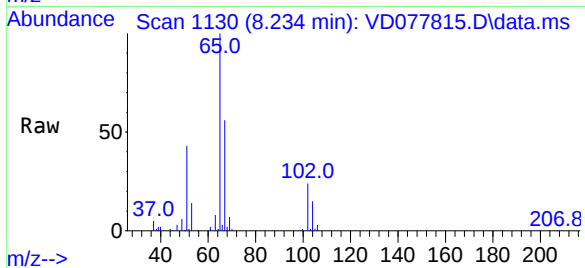




#33
1,2-Dichloroethane-d4
Concen: 53.998 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

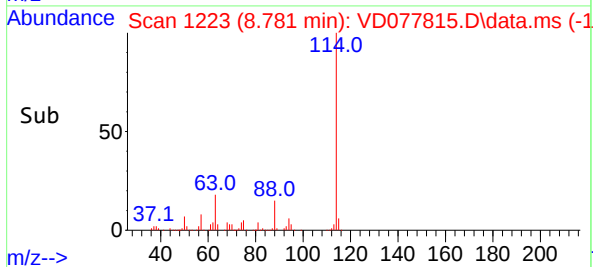
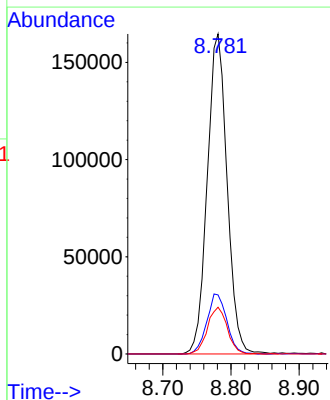
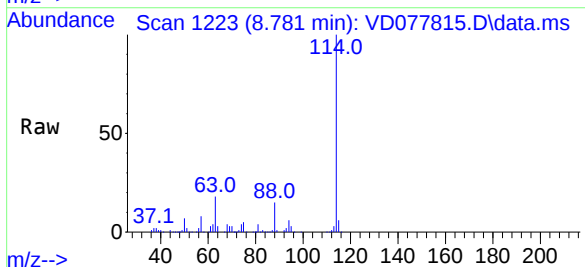
Instrument :
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ClientSampleId :
SU-04-120623

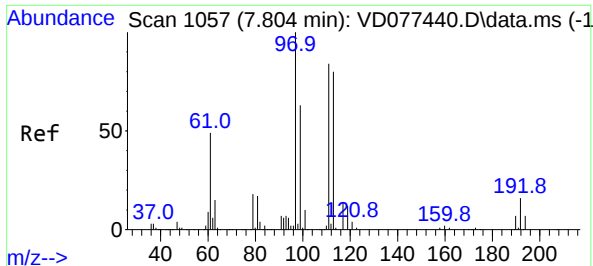
Tgt Ion: 65 Resp: 88611
Ion Ratio Lower Upper
65 100
67 55.1 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 114 Resp: 333339
Ion Ratio Lower Upper
114 100
63 18.5 0.0 33.4
88 14.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.154 ug/l

RT: 7.804 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD077815.D

Acq: 11 Dec 2023 17:02

Instrument :

MSVOA_D

ClientSampleId :

SU-04-120623

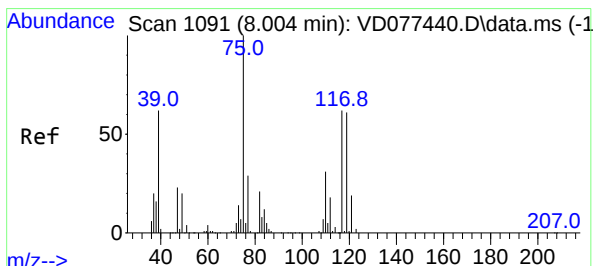
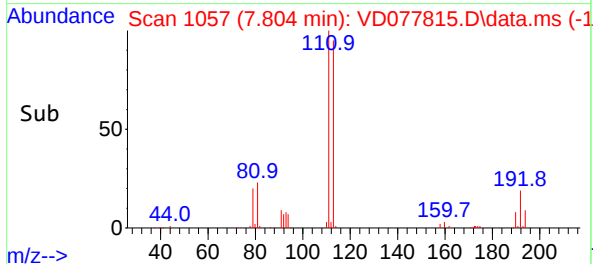
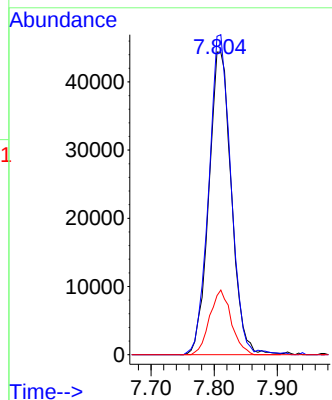
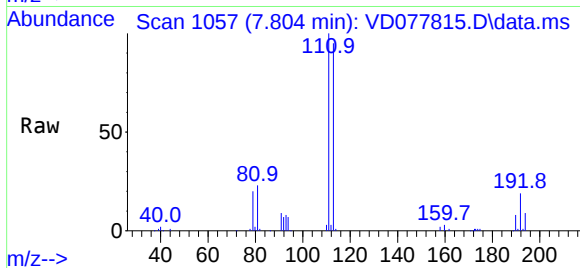
Tgt Ion:113 Resp: 110100

Ion Ratio Lower Upper

113 100

111 103.8 84.7 127.1

192 20.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 2.979 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077815.D

Acq: 11 Dec 2023 17:02

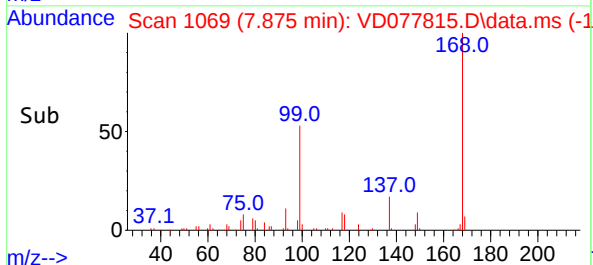
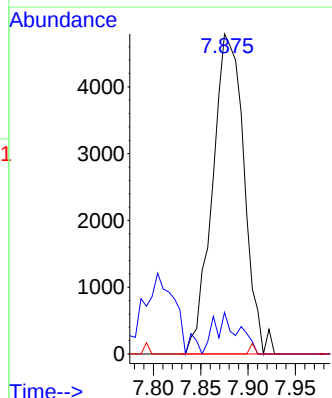
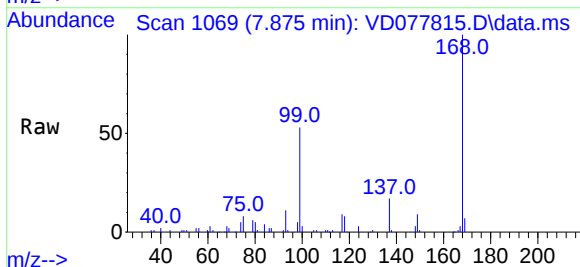
Tgt Ion: 75 Resp: 11125

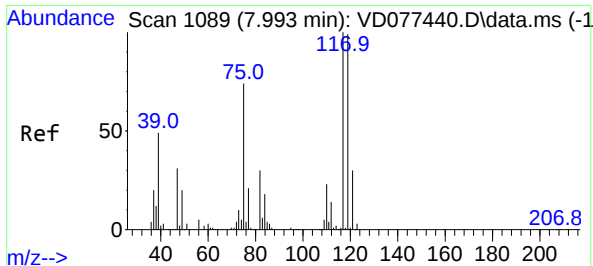
Ion Ratio Lower Upper

75 100

110 7.1 19.9 59.6#

77 0.0 24.7 37.1#

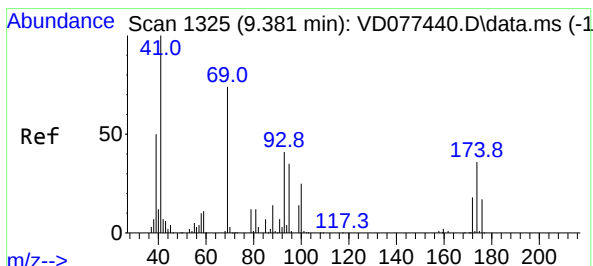
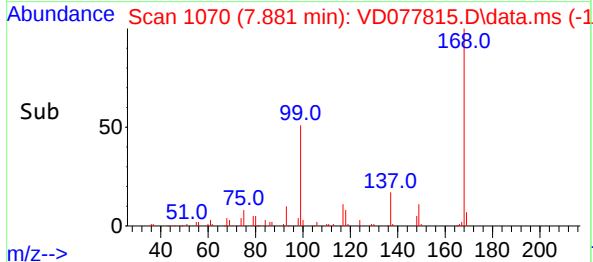
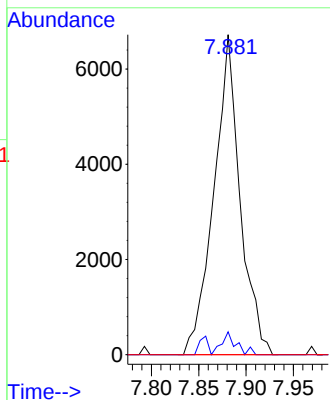
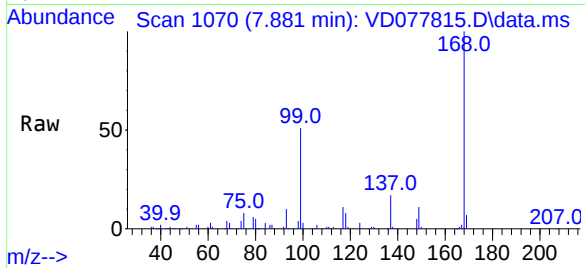




#38
Carbon Tetrachloride
Concen: 3.480 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

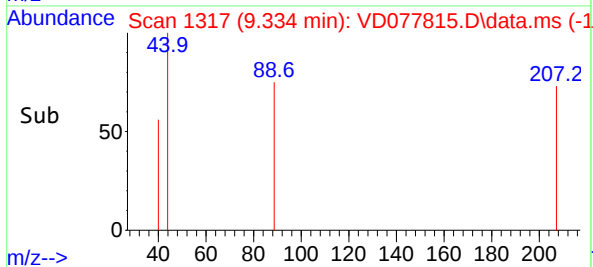
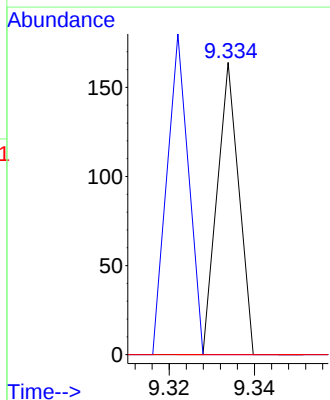
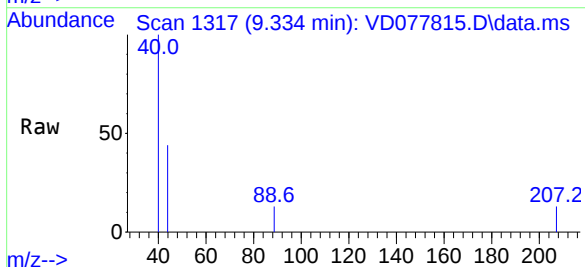
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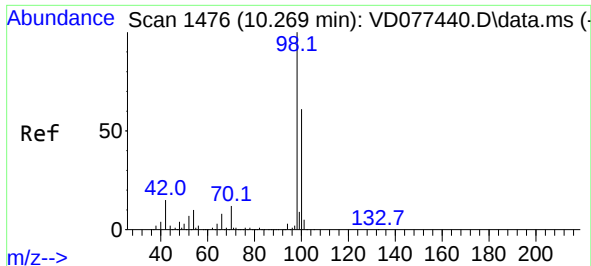
Tgt Ion:117 Resp: 12956
Ion Ratio Lower Upper
117 100
119 7.2 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.284 ug/l
RT: 9.334 min Scan# 1317
Delta R.T. -0.047 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 110.3 19.0 28.6#
58 0.0 43.5 65.3#

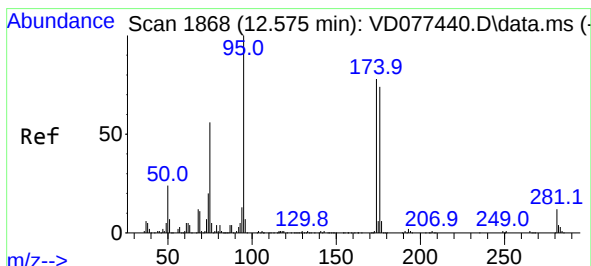
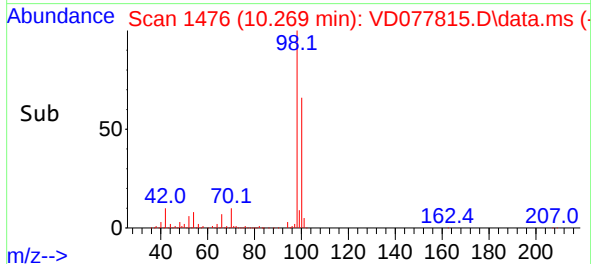
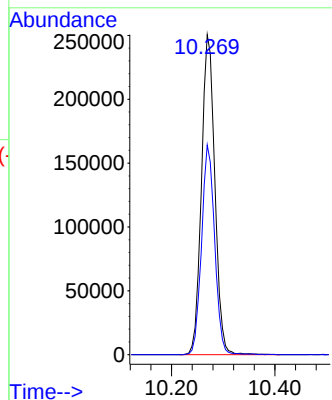
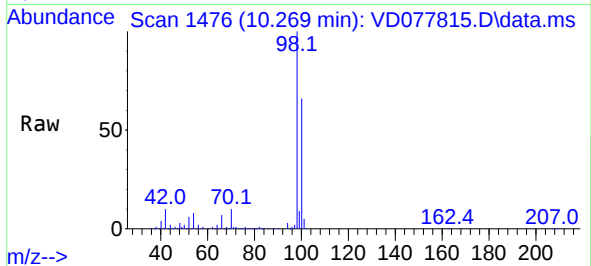




#50
Toluene-d8
Concen: 48.070 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

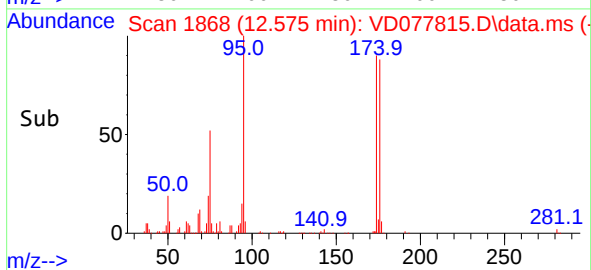
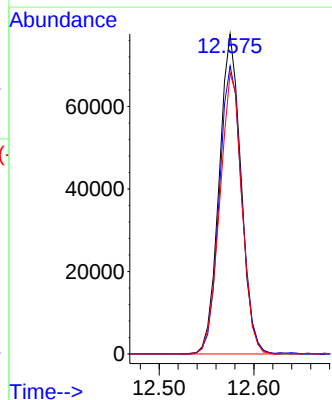
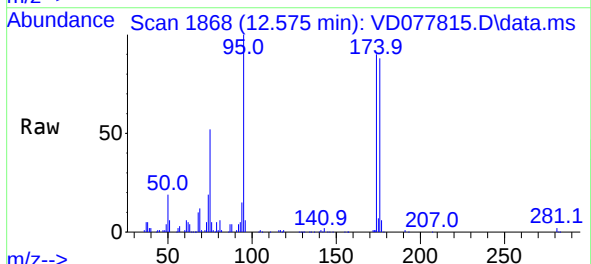
Instrument :
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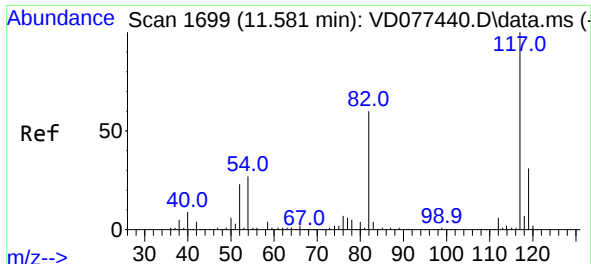
Tgt Ion: 98 Resp: 449537
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.227 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 95 Resp: 123656
Ion Ratio Lower Upper
95 100
174 92.8 0.0 201.8
176 89.0 0.0 191.8

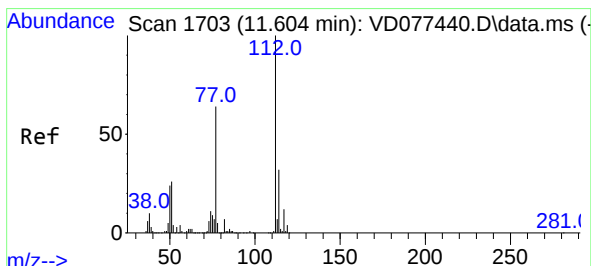
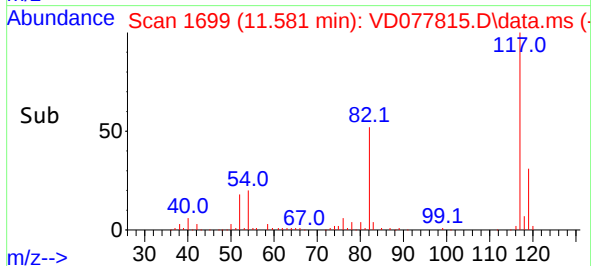
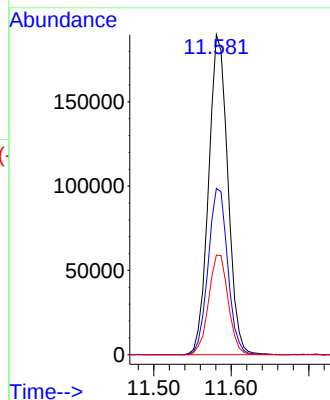
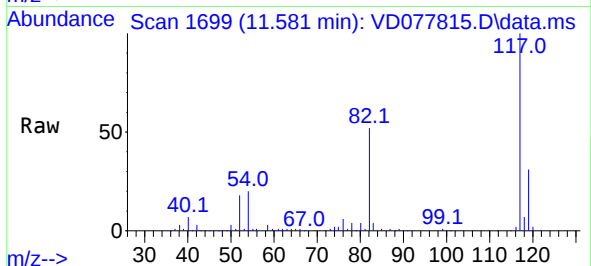




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

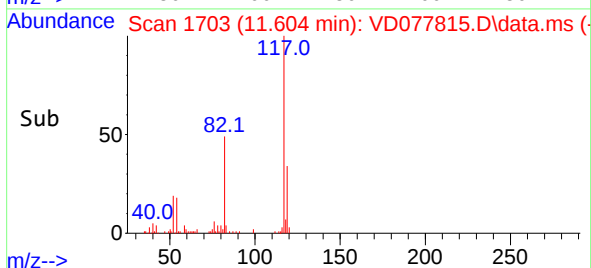
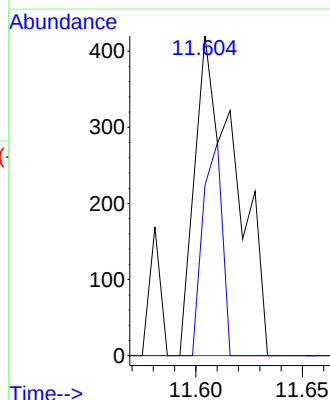
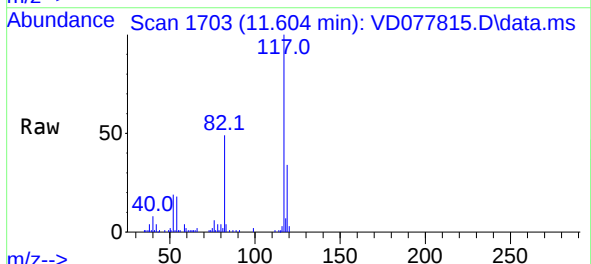
Instrument :
MSVOA_D
ClientSampleId :
SU-04-120623

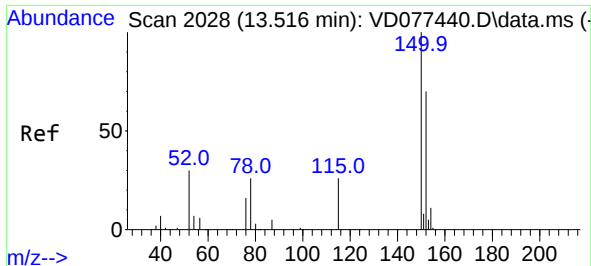
Tgt Ion:117 Resp: 327266
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 31.1 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion:112 Resp: 564
Ion Ratio Lower Upper
112 100
114 91.7 25.1 37.7#

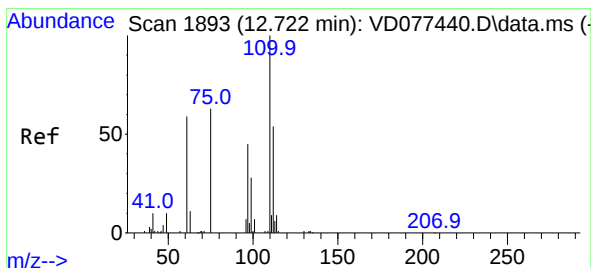
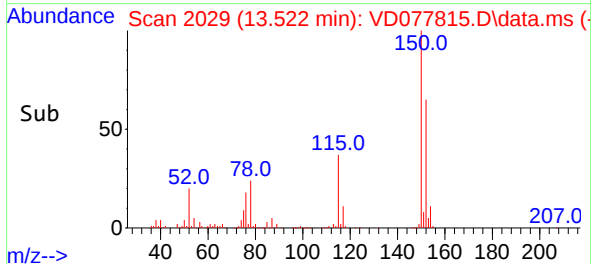
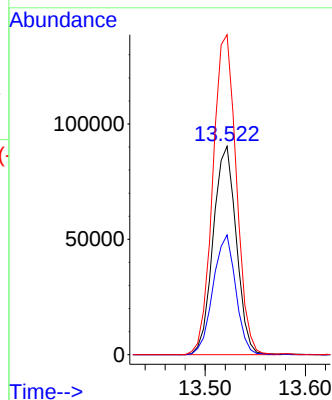
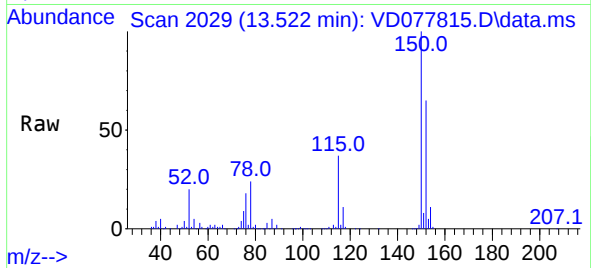




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

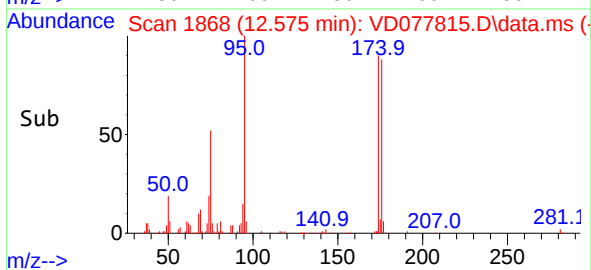
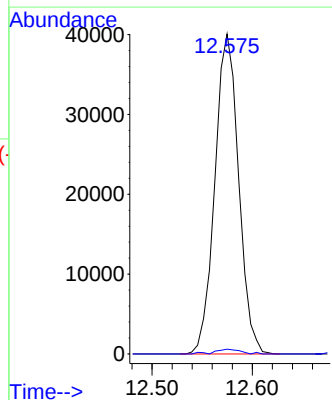
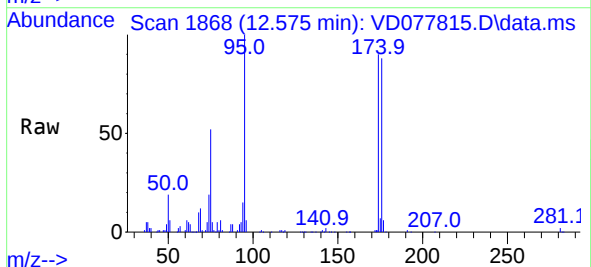
Instrument :
MSVOA_D
ClientSampleId :
SU-04-120623

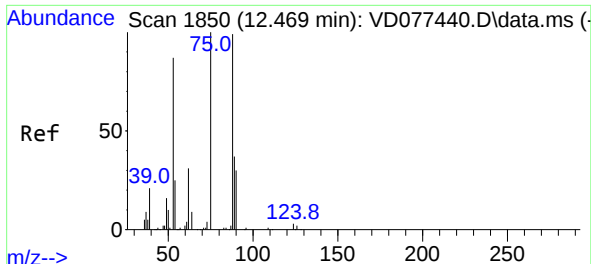
Tgt Ion:152 Resp: 144958
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 155.9 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 52.388 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion: 75 Resp: 65955
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

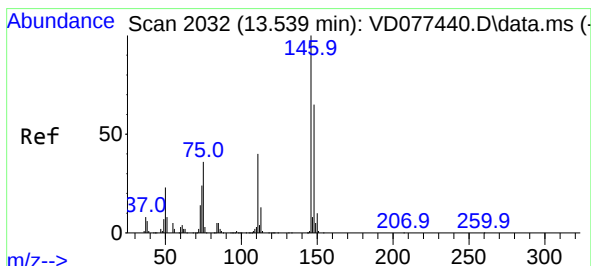
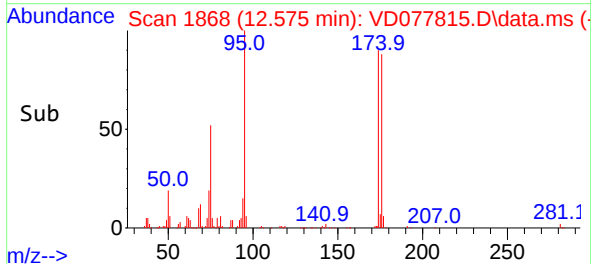
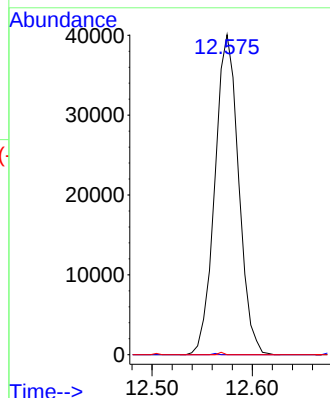
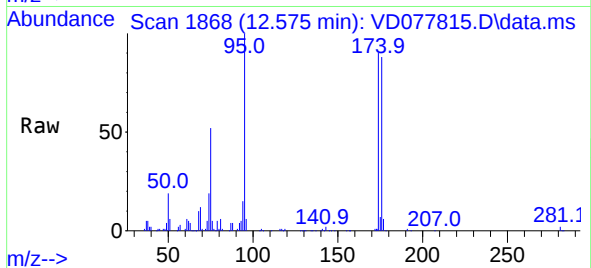




#81
trans-1,4-Dichloro-2-butene
Concen: 106.142 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Instrument :
MSVOA_D
ClientSampleId :
SU-04-120623

Tgt Ion:	75	Resp:	65955
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.2	37.9	56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.545 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VD077815.D
Acq: 11 Dec 2023 17:02

Tgt Ion:	146	Resp:	379
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

