

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078086.D
 Acq On : 28 Dec 2023 12:16
 Operator : RP/MD
 Sample : VD1228SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223

Quant Time: Dec 28 22:22:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

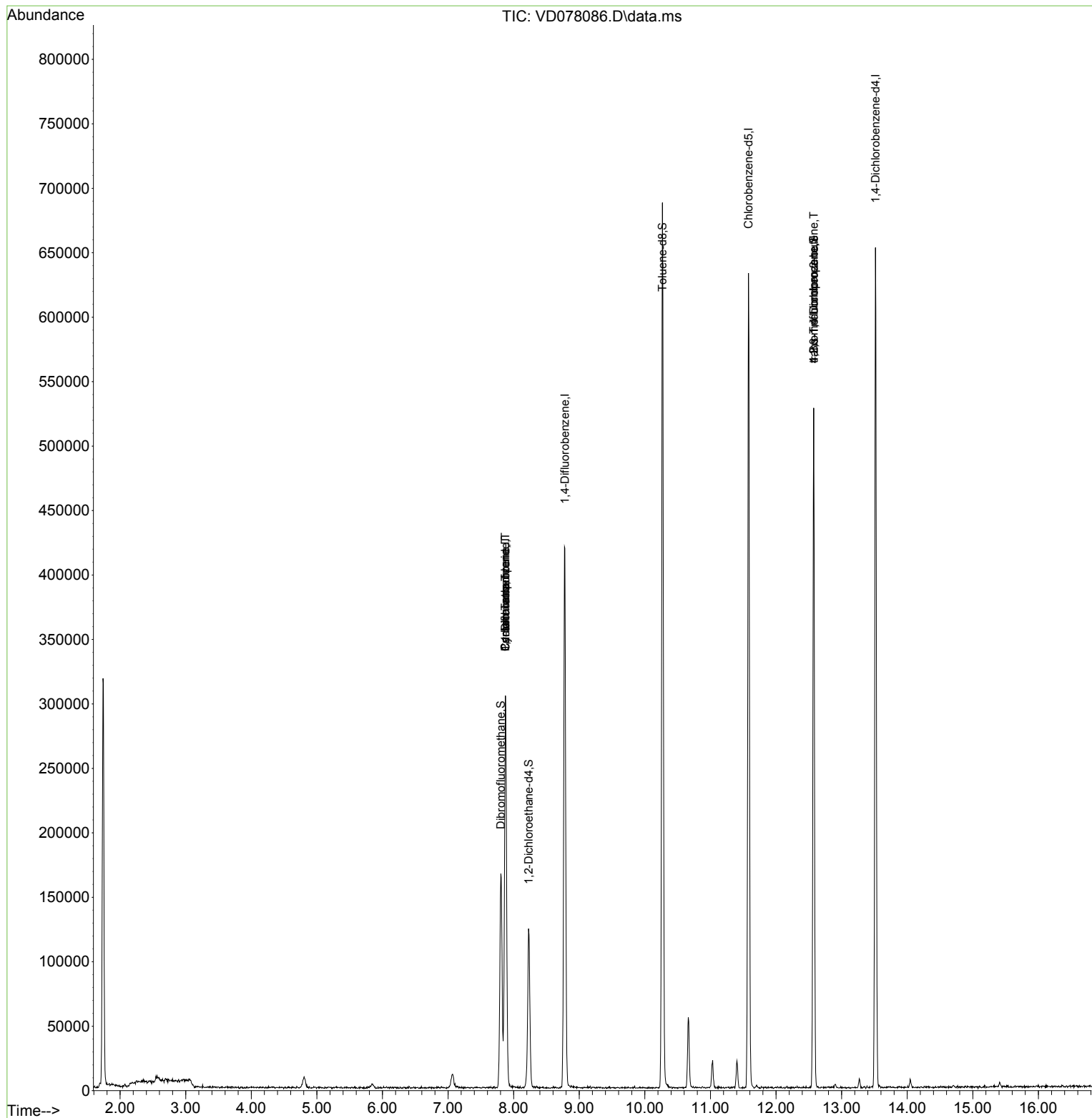
Internal Standards						
1) Pentafluorobenzene	7.875	168	240044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	393687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	382813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	184727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94962	44.461	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.920%
35) Dibromofluoromethane	7.804	113	122271	48.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.540%
50) Toluene-d8	10.269	98	482613	54.146	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.300%
62) 4-Bromofluorobenzene	12.575	95	149061	51.976	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	130	Below Cal	#	73
16) Acetone	3.999	43	58	Below Cal	#	32
20) Methylene Chloride	4.805	84	5995	Below Cal		96
25) 2-Butanone	7.075	43	579	Below Cal	#	37
31) Cyclohexane	7.875	56	4720	1.385	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	17056	4.785	ug/l #	48
38) Carbon Tetrachloride	7.875	117	23005	5.957	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	76860	49.317	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	76860	106.268	ug/l #	17

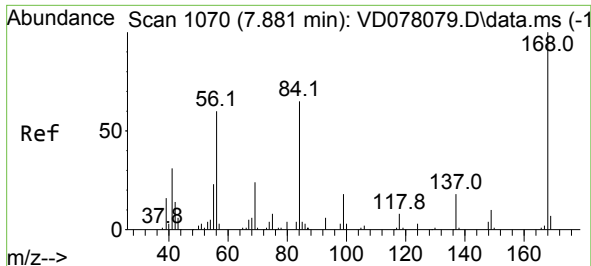
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

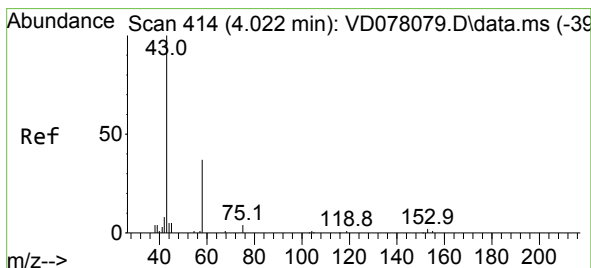
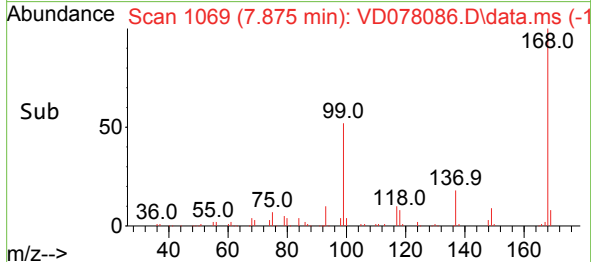
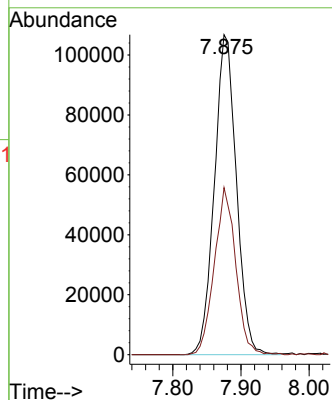
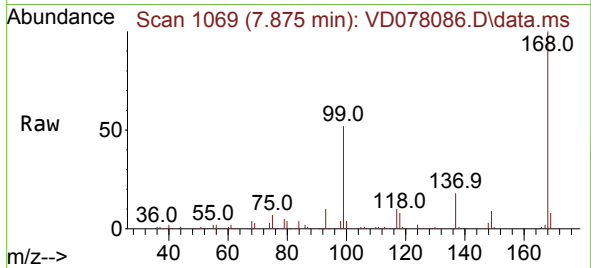




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

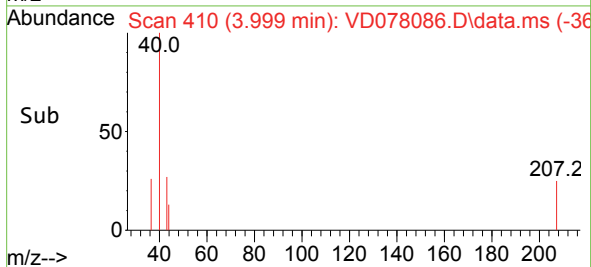
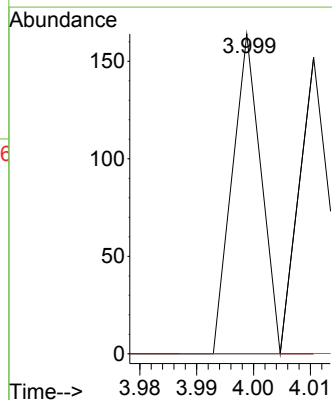
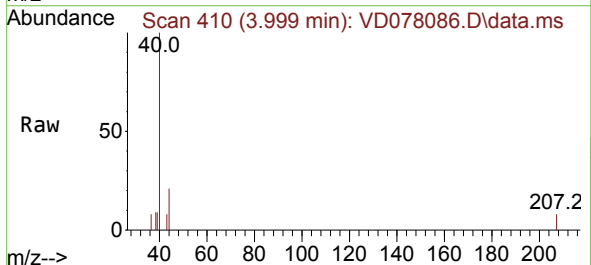
Instrument :
MSVOA_D
ClientSampleId :
VD1223

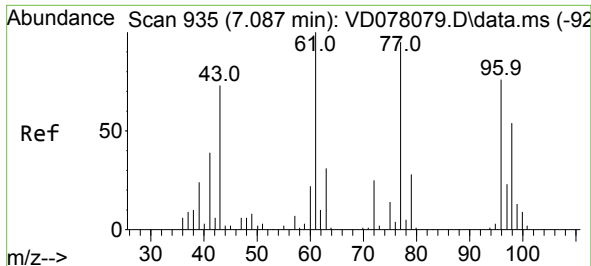
Tgt Ion:168 Resp: 240044
Ion Ratio Lower Upper
168 100
99 52.2 36.7 55.1



#16
Acetone
Concen: Below Cal
RT: 3.999 min Scan# 410
Delta R.T. -0.023 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

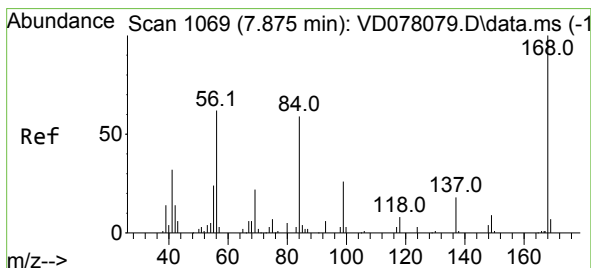
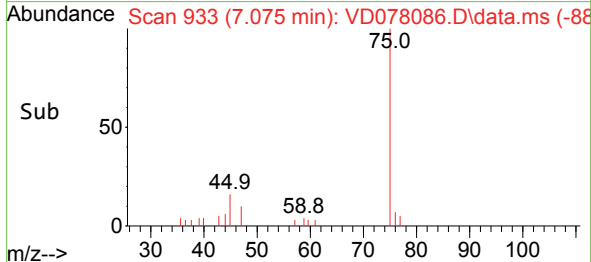
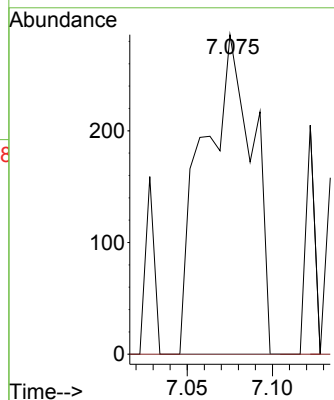
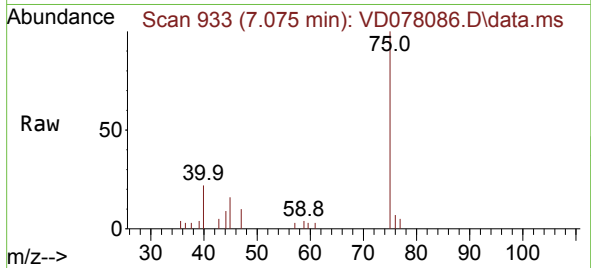




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 911
Delta R.T. -0.012 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

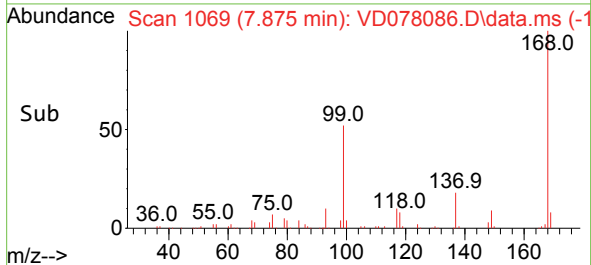
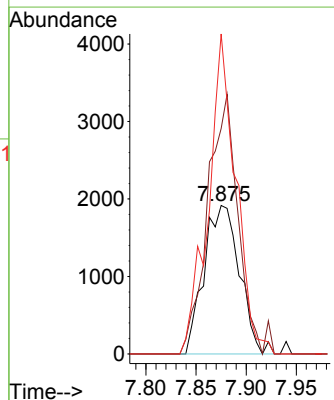
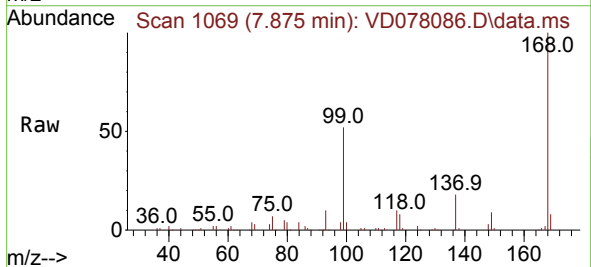
Instrument :
MSVOA_D
ClientSampleId :
VD1223

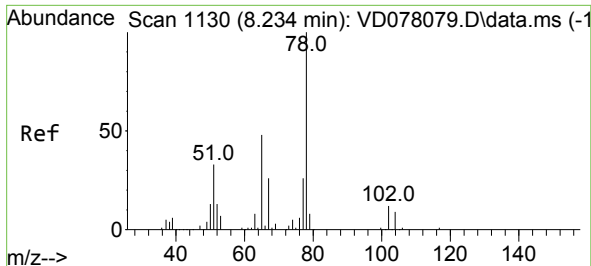
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.385 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

Tgt Ion: 56 Resp: 4720
Ion Ratio Lower Upper
56 100
69 151.9 28.6 43.0#
84 215.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 44.461 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078086.D

Acq: 28 Dec 2023 12:16

Instrument :

MSVOA_D

ClientSampleId :

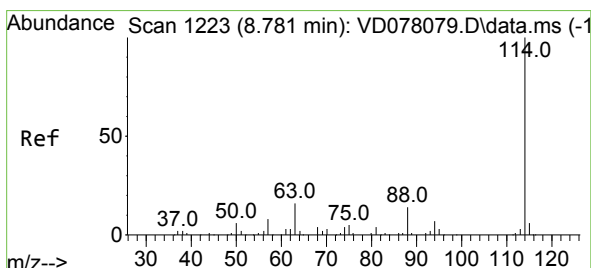
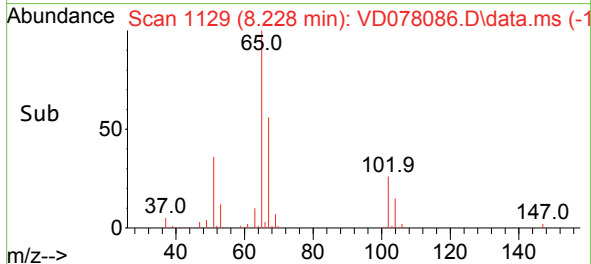
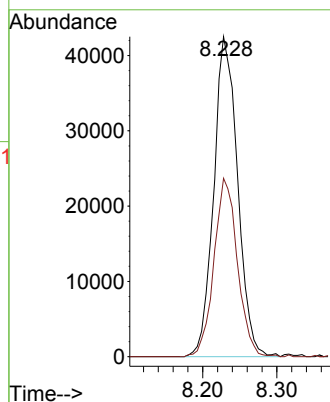
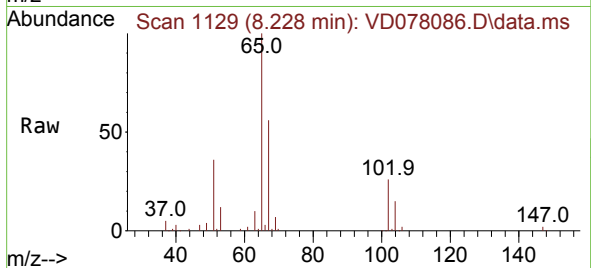
VD1223

Tgt Ion: 65 Resp: 94962

Ion Ratio Lower Upper

65 100

67 54.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078086.D

Acq: 28 Dec 2023 12:16

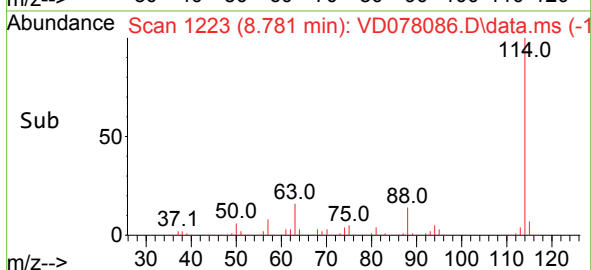
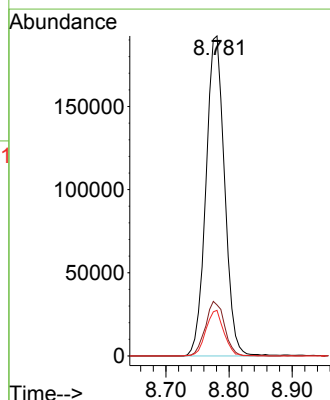
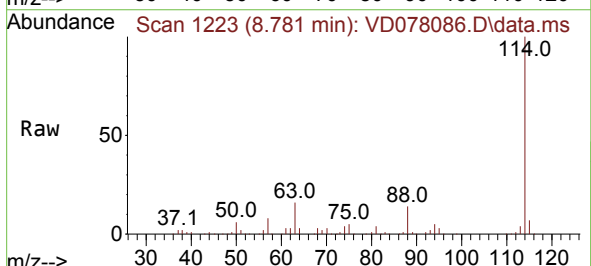
Tgt Ion: 114 Resp: 393687

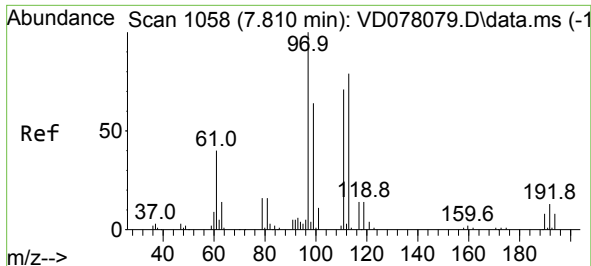
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

88 14.2 0.0 26.2

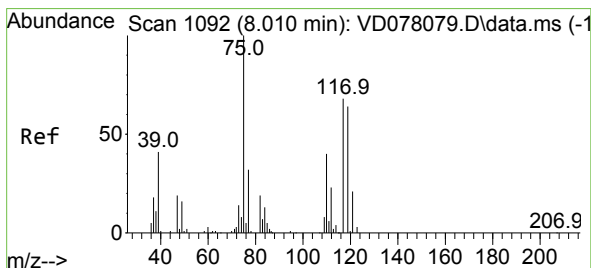
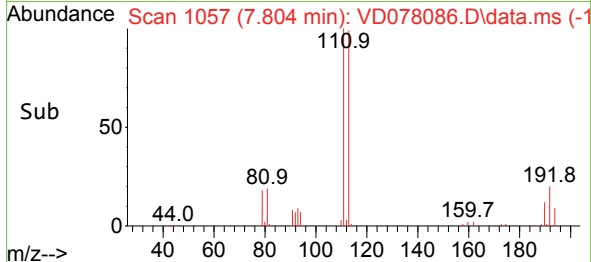
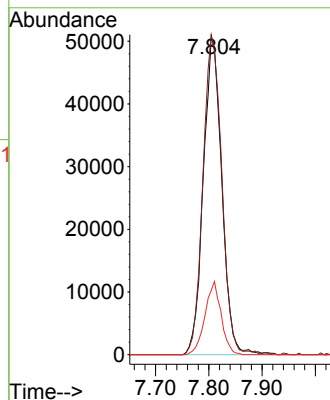
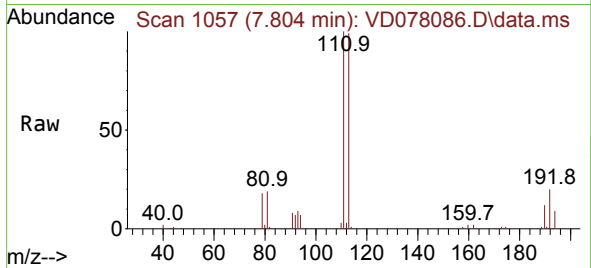




#35
Dibromofluoromethane
Concen: 48.269 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

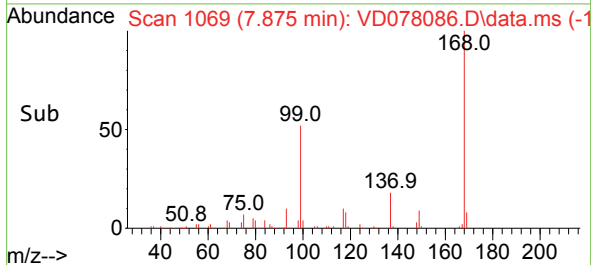
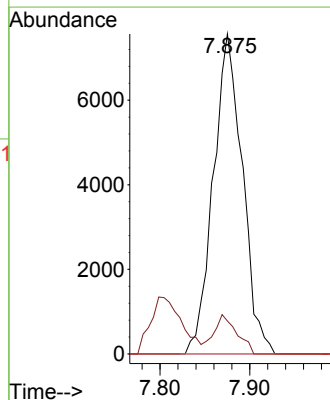
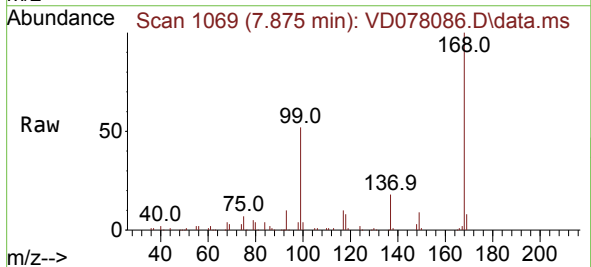
Instrument :
MSVOA_D
ClientSampleId :
VD1223

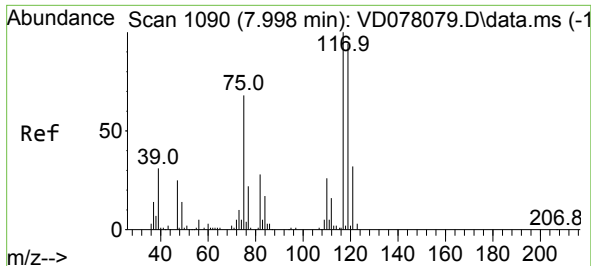
Tgt Ion:113 Resp: 122271
Ion Ratio Lower Upper
113 100
111 102.9 84.7 127.1
192 20.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

Tgt Ion: 75 Resp: 17056
Ion Ratio Lower Upper
75 100
110 9.8 19.9 59.6#
77 0.0 24.7 37.1#

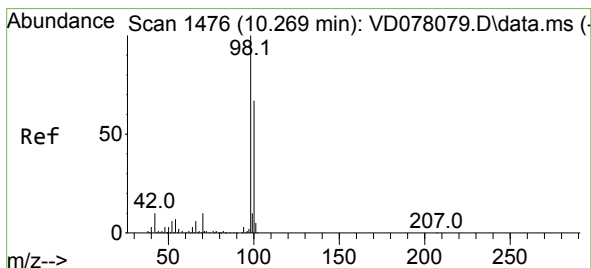
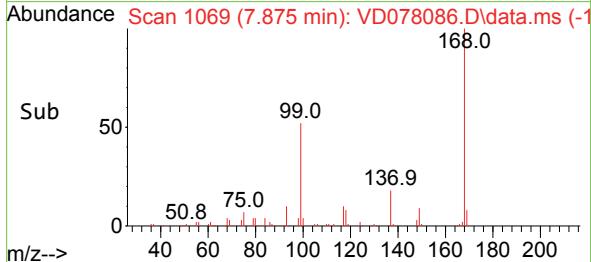
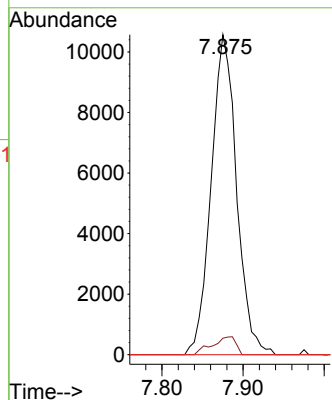
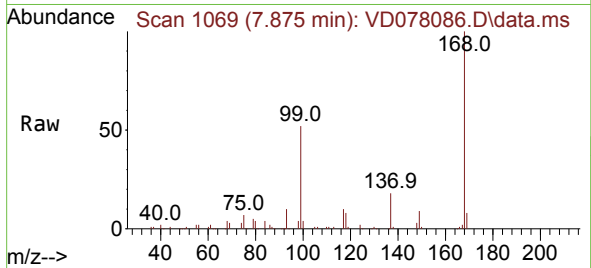




#38
Carbon Tetrachloride
Concen: 5.957 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

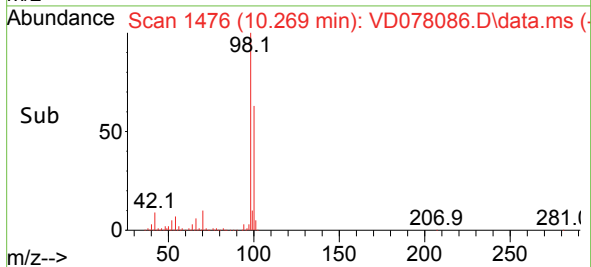
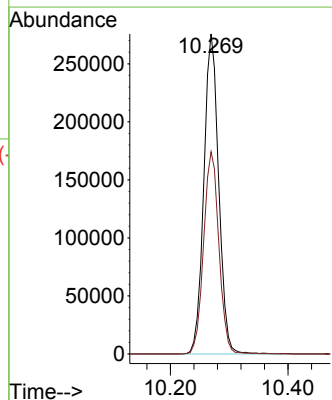
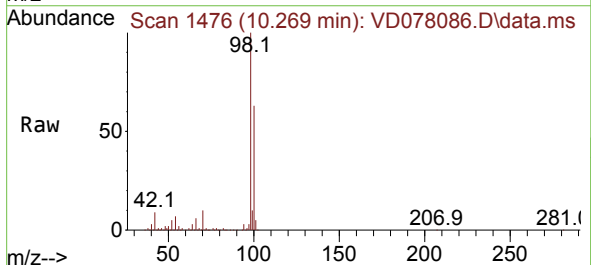
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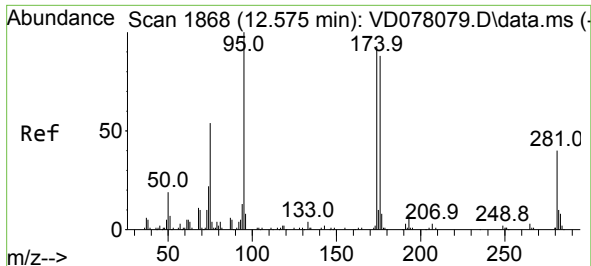
Tgt Ion:117 Resp: 23005
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 54.146 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

Tgt Ion: 98 Resp: 482613
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5

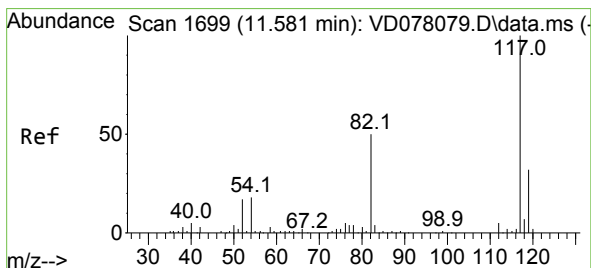
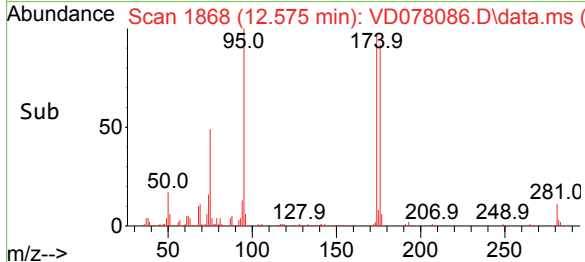
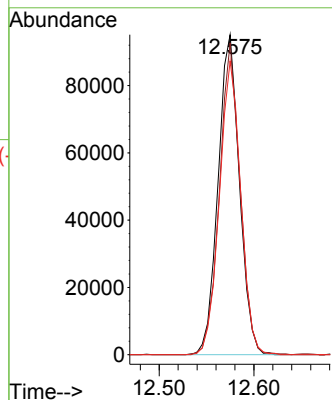
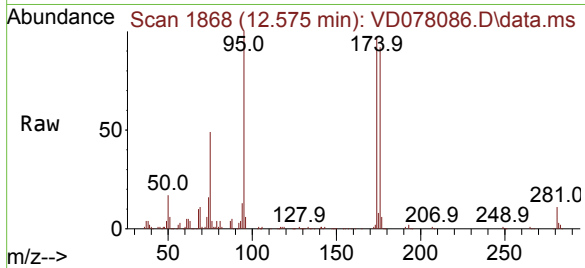




#62
4-Bromofluorobenzene
Concen: 51.976 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

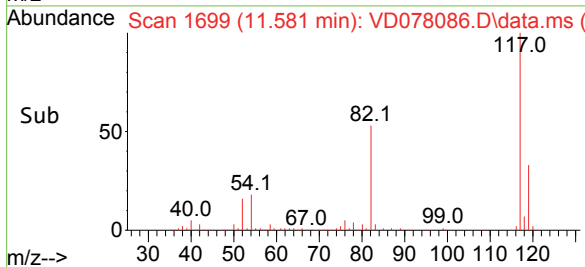
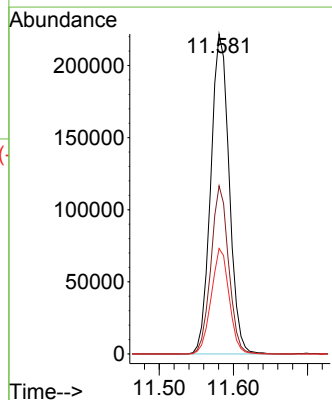
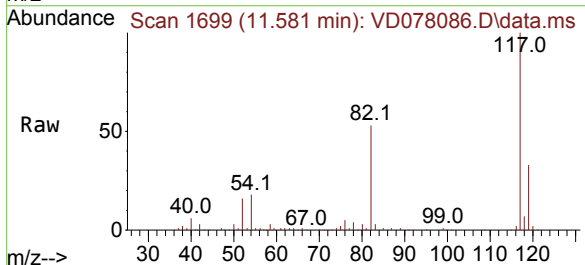
Instrument :
MSVOA_D
ClientSampleId :
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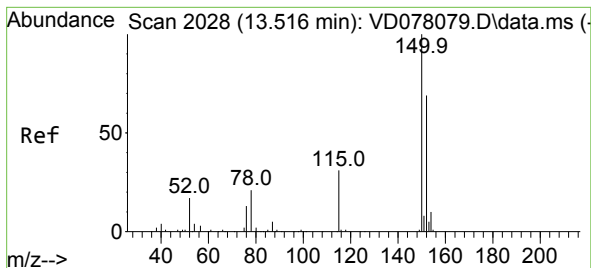
Tgt Ion: 95 Resp: 149061
Ion Ratio Lower Upper
95 100
174 94.2 0.0 201.8
176 91.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078086.D
Acq: 28 Dec 2023 12:16

Tgt Ion: 117 Resp: 382813
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 33.0 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078086.D

Acq: 28 Dec 2023 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1223

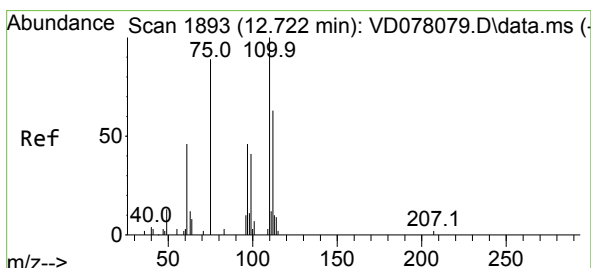
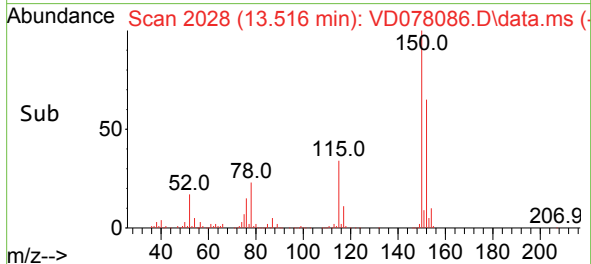
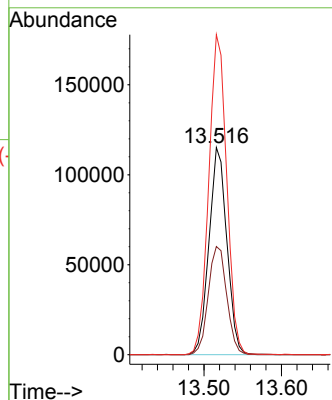
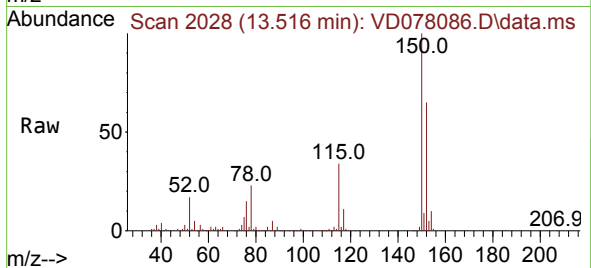
Tgt Ion:152 Resp: 184727

Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.3

150 154.9 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.317 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078086.D

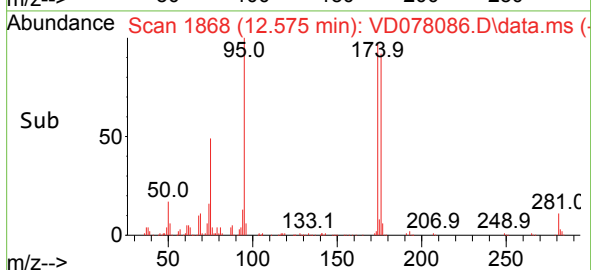
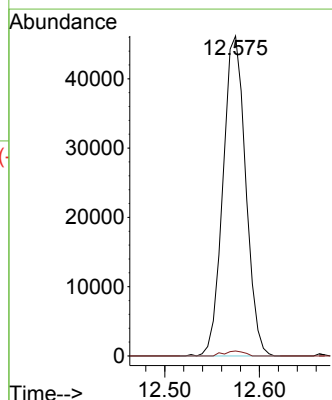
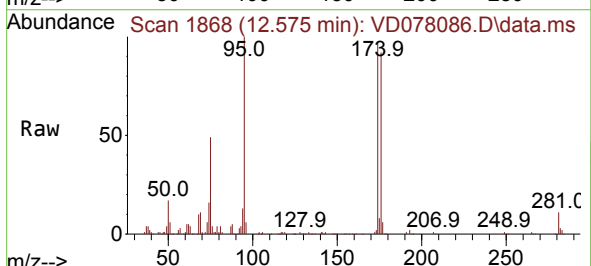
Acq: 28 Dec 2023 12:16

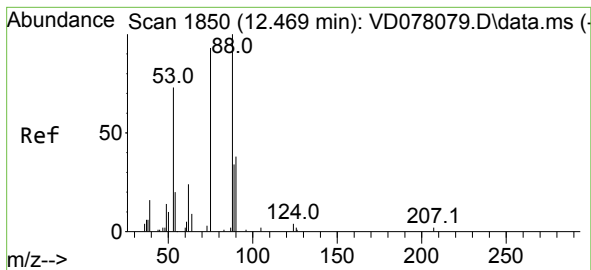
Tgt Ion: 75 Resp: 76860

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.268 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078086.D
 Acq: 28 Dec 2023 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223

Tgt Ion: 75 Resp: 76860
 Ion Ratio Lower Upper
 75 100
 53 0.1 63.0 94.4#
 89 0.2 37.9 56.9#

