

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077929.D
 Acq On : 16 Dec 2023 12:50
 Operator : RP/MD
 Sample : VD1216SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 01:56:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

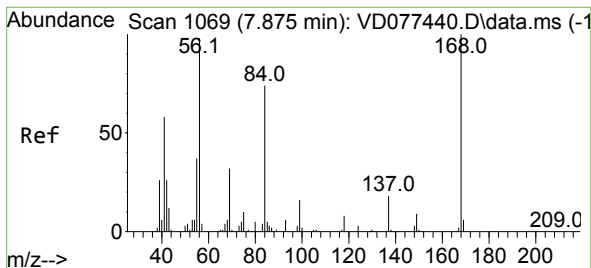
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	190713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	340446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	324659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89293	39.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.460%
35) Dibromofluoromethane	7.805	113	101814	42.695	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.380%
50) Toluene-d8	10.269	98	433639	45.402	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.800%
62) 4-Bromofluorobenzene	12.575	95	123771	43.344	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.680%
Target Compounds						
16) Acetone	4.011	43	117	Below Cal	#	32
20) Methylene Chloride	4.799	84	6427	Below Cal	#	86
25) 2-Butanone	7.087	43	72	Below Cal	#	37
31) Cyclohexane	7.881	56	4693	1.174	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	15566	4.081	ug/l #	49
38) Carbon Tetrachloride	7.881	117	19234	5.058	ug/l #	15
65) Chlorobenzene	11.734	112	62	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.569	75	66190	51.628	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	66190	104.602	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	332	Below Cal	#	1

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

Quant Time: Dec 18 01:56:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077929.D

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Instrument :

MSVOA_D

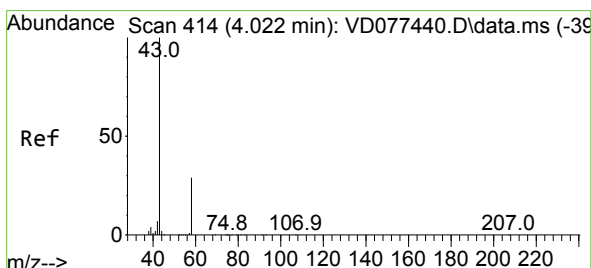
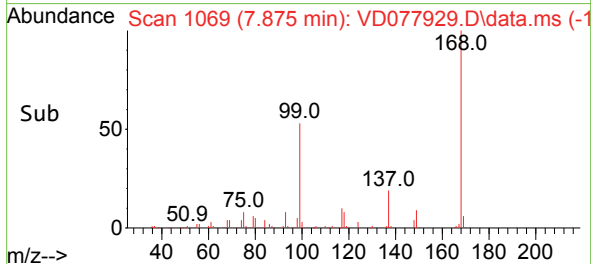
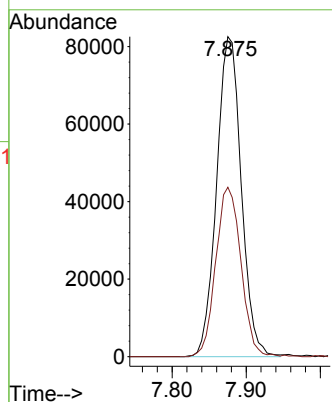
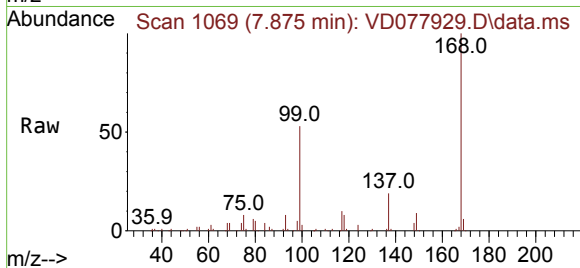
ClientSampleId :

Tgt Ion:168 Resp: 190713

Ion Ratio Lower Upper

168 100

99 53.0 36.7 55.1



#16

Acetone

Concen: Below Cal

RT: 4.011 min Scan# 412

Delta R.T. -0.011 min

Lab File: VD077929.D

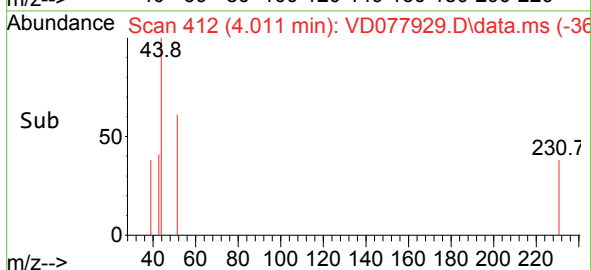
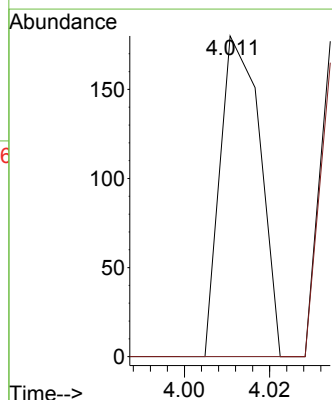
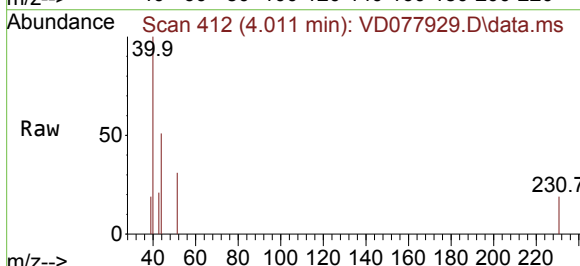
Acq: 16 Dec 2023 12:50

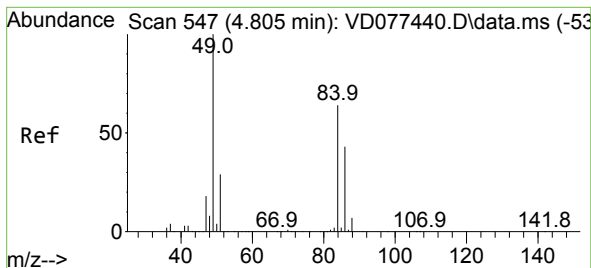
Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 54

Delta R.T. -0.006 min

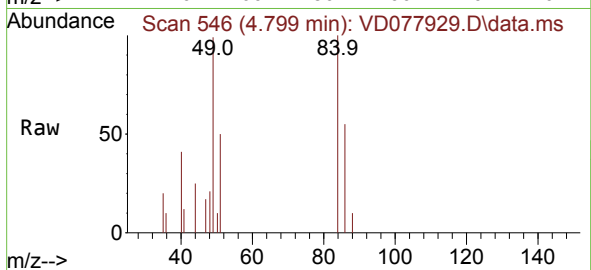
Lab File: VD077929.D

Acq: 16 Dec 2023 12:50

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 6427

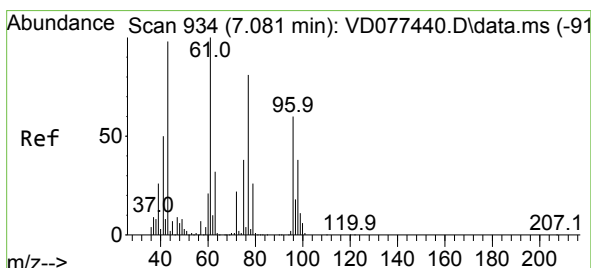
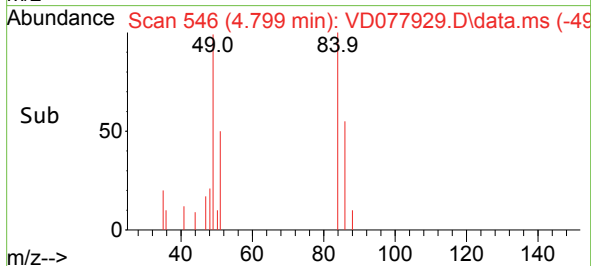
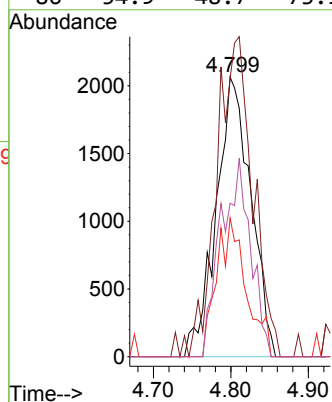
Ion Ratio Lower Upper

84 100

49 99.5 71.4 107.2

51 49.5 24.5 36.7#

86 54.9 48.7 73.1



#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD077929.D

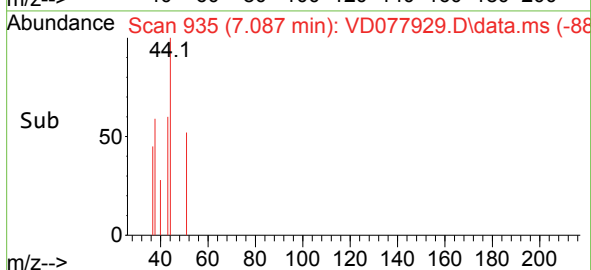
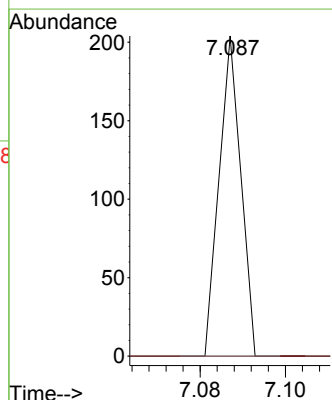
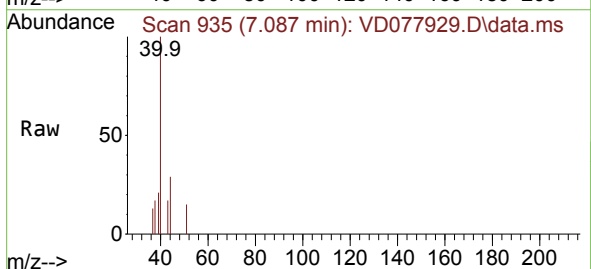
Acq: 16 Dec 2023 12:50

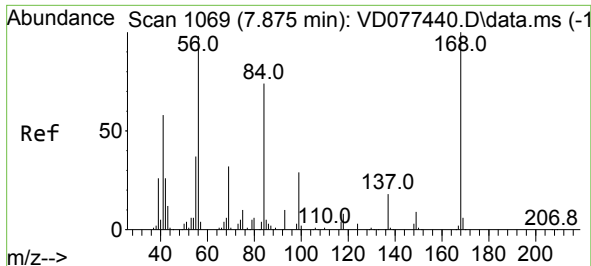
Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

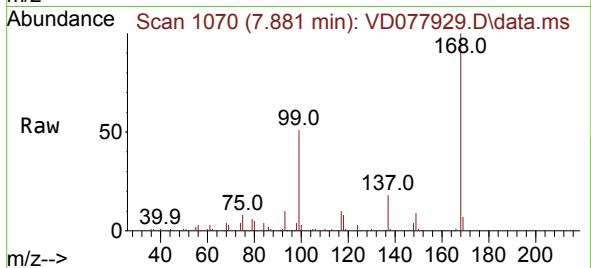
72 0.0 30.7 46.1#



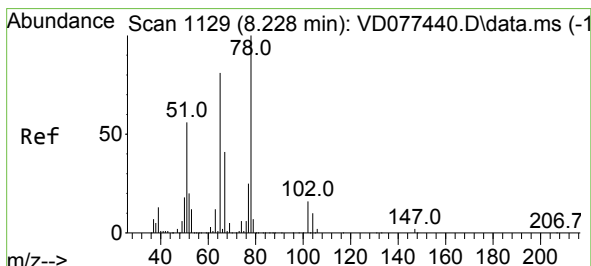
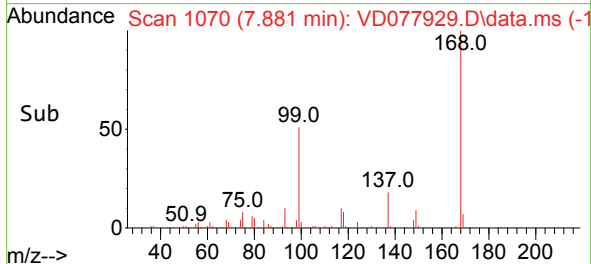
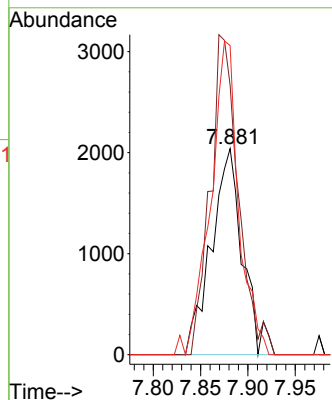


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Instrument :
MSVOA_D
ClientSampleId :

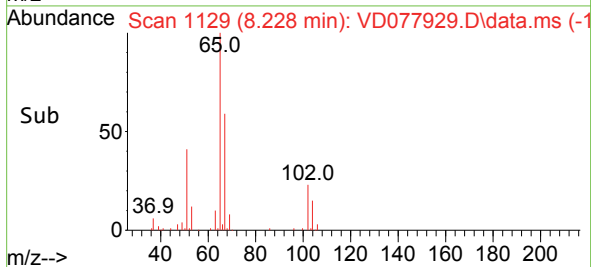
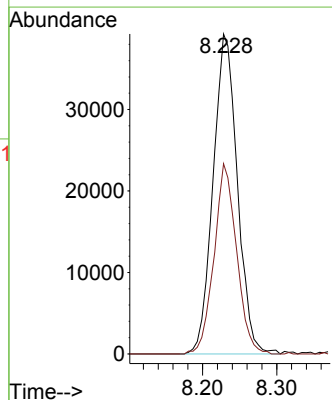
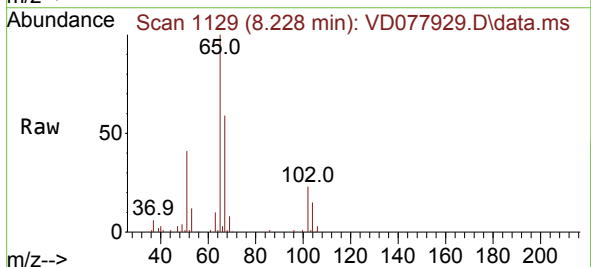


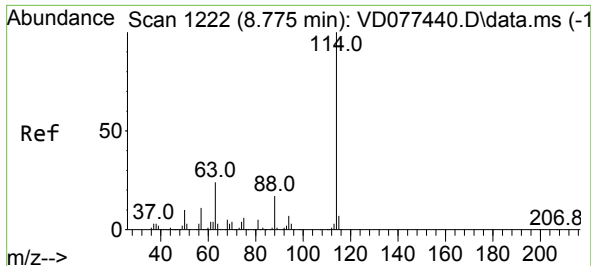
Tgt Ion: 56 Resp: 4693
Ion Ratio Lower Upper
56 100
69 130.7 28.6 43.0#
84 150.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.734 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Tgt Ion: 65 Resp: 89293
Ion Ratio Lower Upper
65 100
67 55.3 0.0 115.0

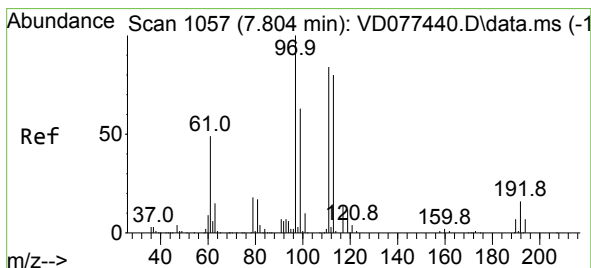
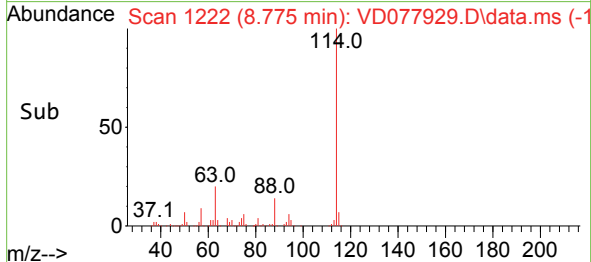
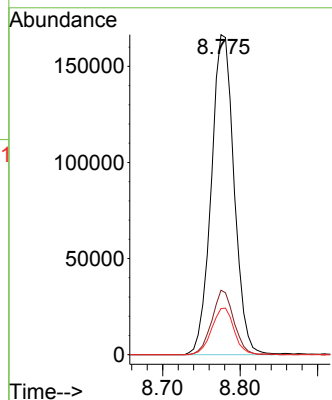
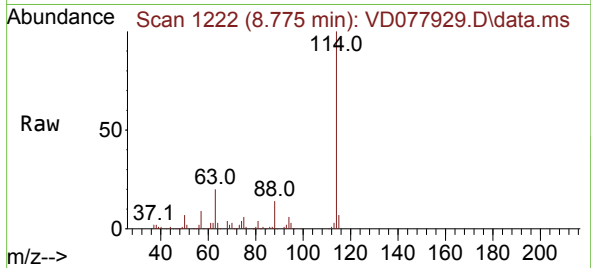




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 114
Delta R.T. 0.000 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

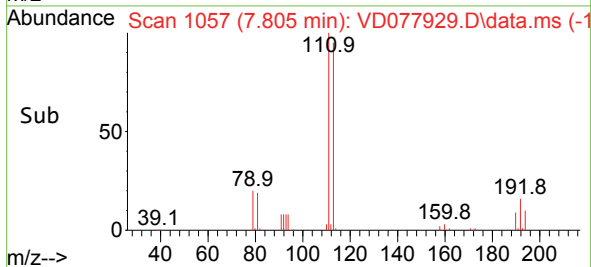
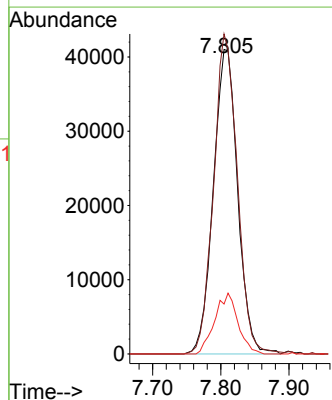
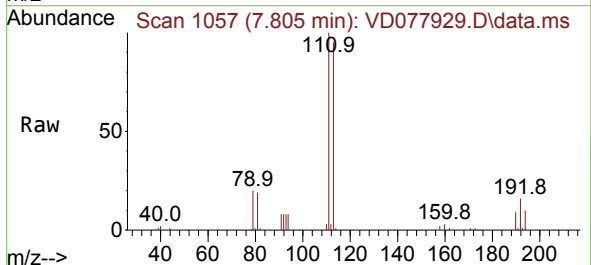
Instrument :
MSVOA_D
ClientSampleId :

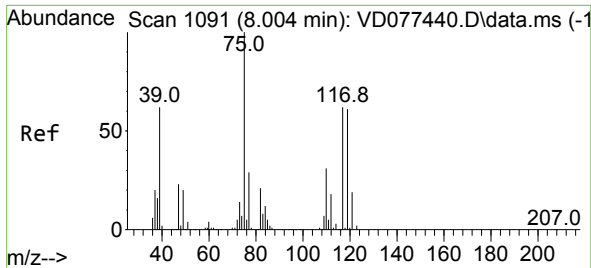
Tgt Ion:114 Resp: 340446
Ion Ratio Lower Upper
114 100
63 20.2 0.0 33.4
88 14.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 42.695 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

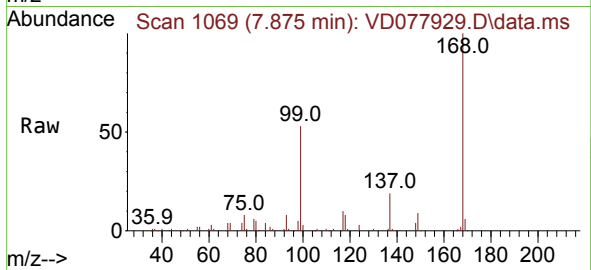
Tgt Ion:113 Resp: 101814
Ion Ratio Lower Upper
113 100
111 102.3 84.7 127.1
192 19.1 16.8 25.2



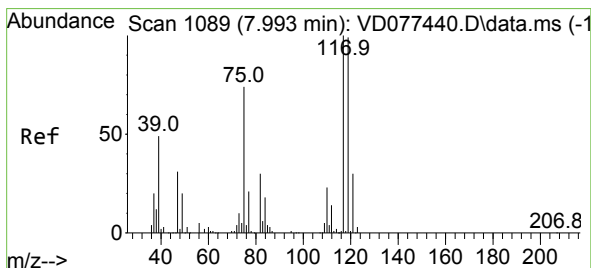
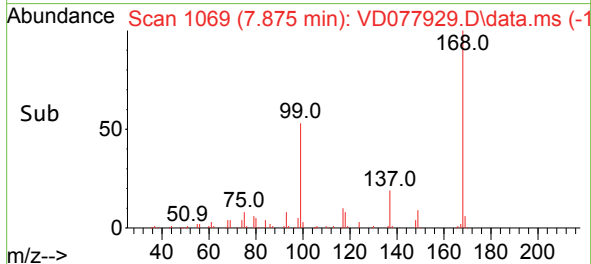
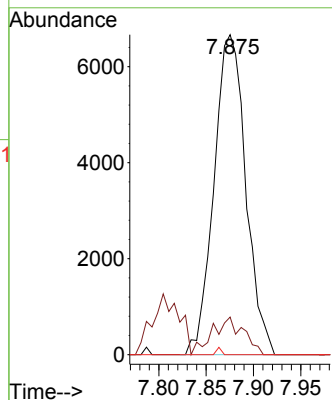


#36
1,1-Dichloropropene
Concen: 4.081 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Instrument :
MSVOA_D
ClientSampleId :

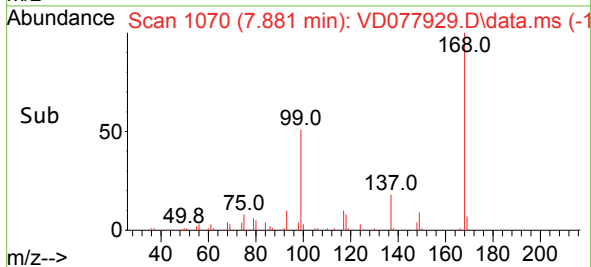
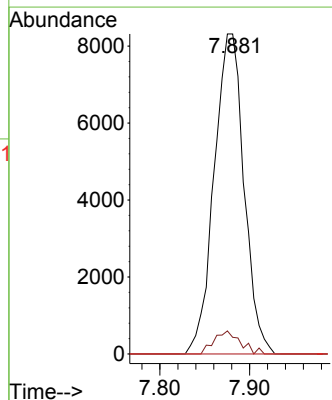
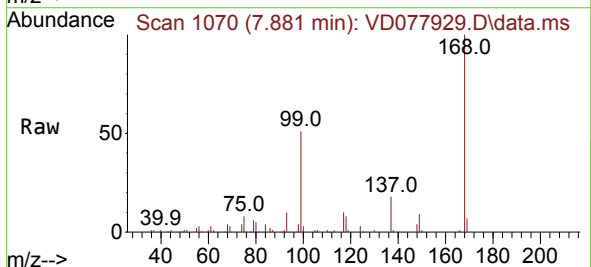


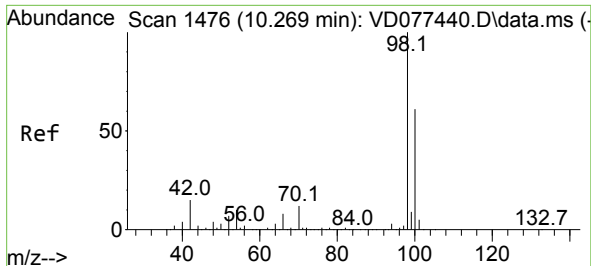
Tgt Ion: 75 Resp: 15566
Ion Ratio Lower Upper
75 100
110 10.5 19.9 59.6#
77 0.3 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.058 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Tgt Ion: 117 Resp: 19234
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.2 36.2#

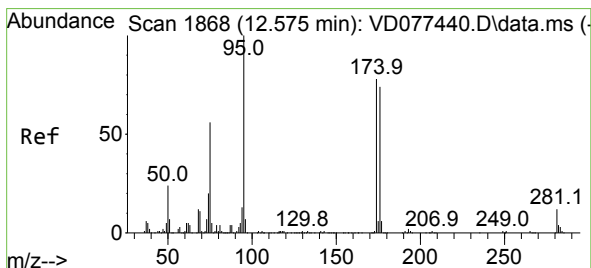
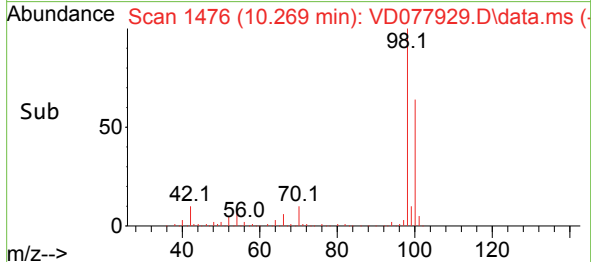
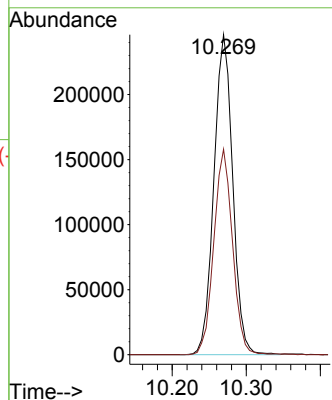
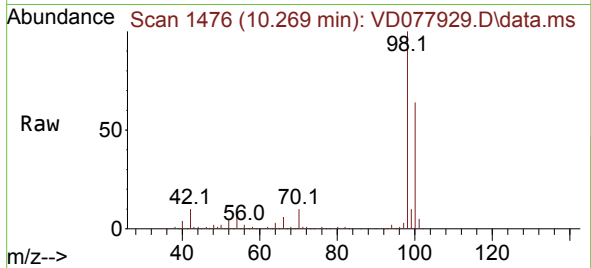




#50
Toluene-d8
Concen: 45.402 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

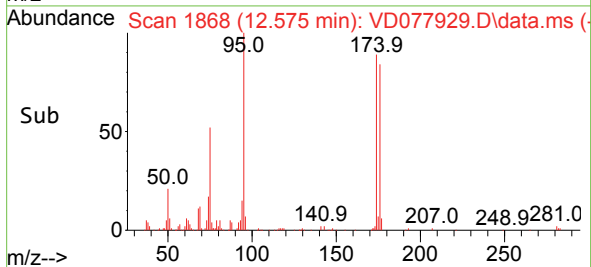
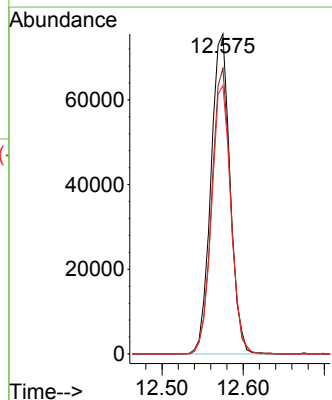
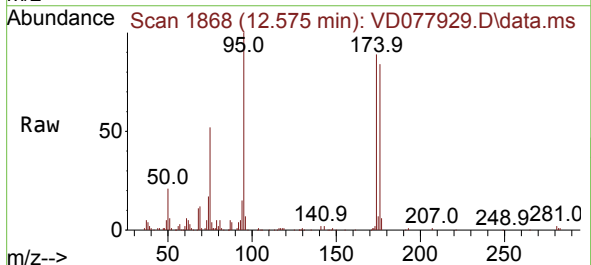
Instrument :
MSVOA_D
ClientSampleId :

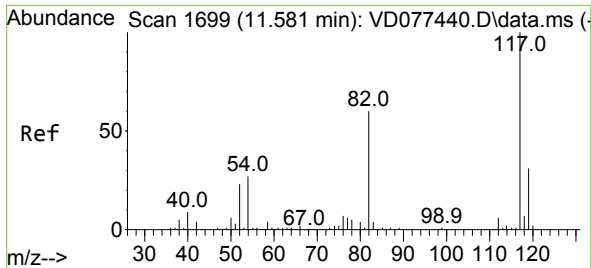
Tgt Ion: 98 Resp: 433639
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.344 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Tgt Ion: 95 Resp: 123771
Ion Ratio Lower Upper
95 100
174 88.1 0.0 201.8
176 84.5 0.0 191.8

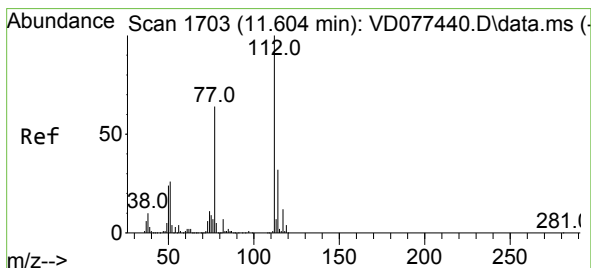
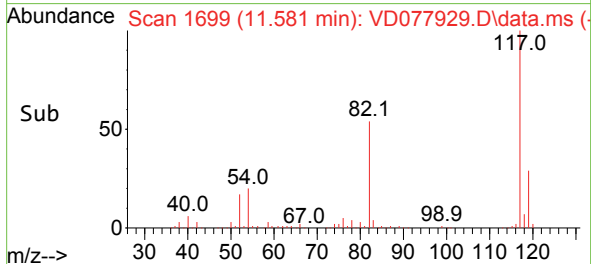
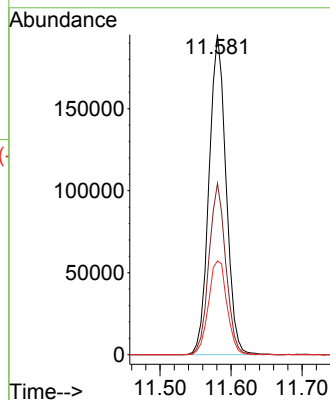
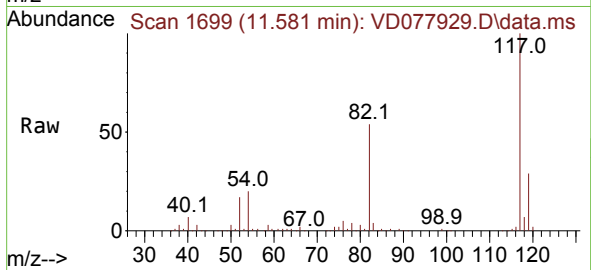




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

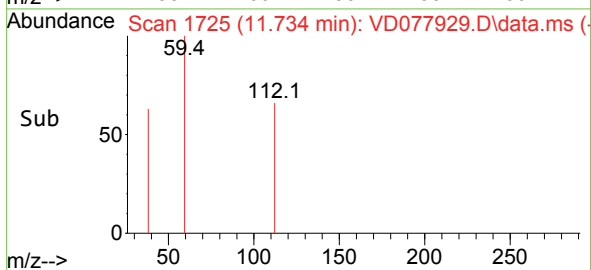
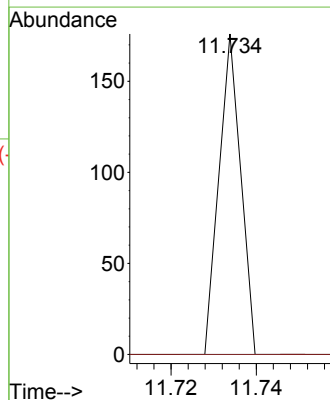
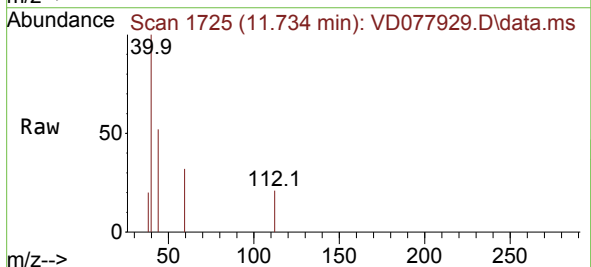
Instrument :
MSVOA_D
ClientSampleId :

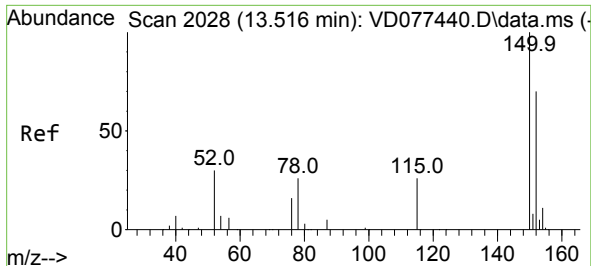
Tgt Ion:117 Resp: 324659
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 29.3 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.734 min Scan# 1725
Delta R.T. 0.130 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

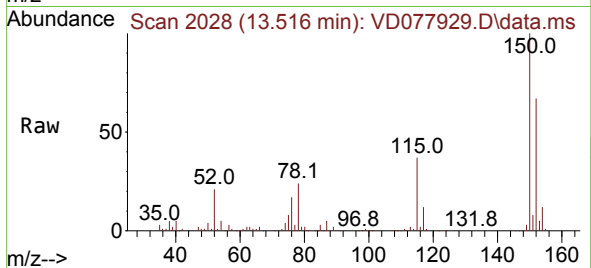
Tgt Ion:112 Resp: 62
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



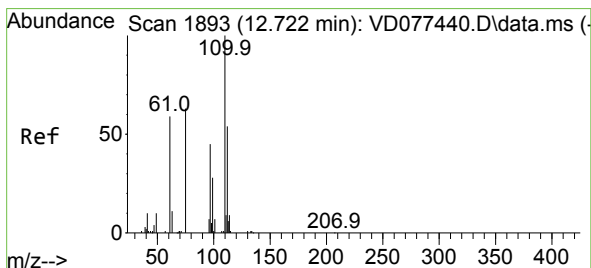
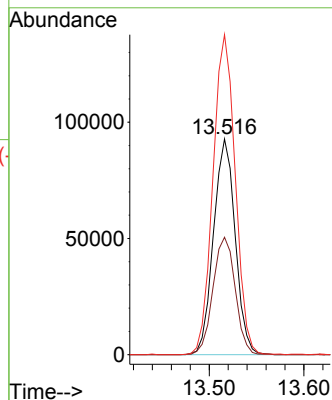
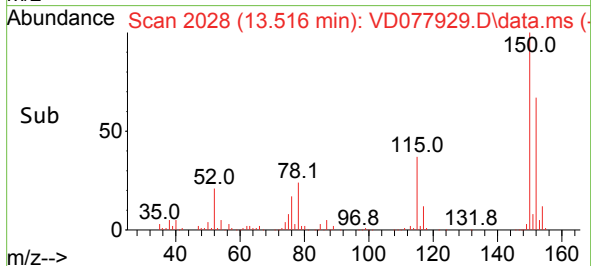


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Instrument :
MSVOA_D
ClientSampleId :

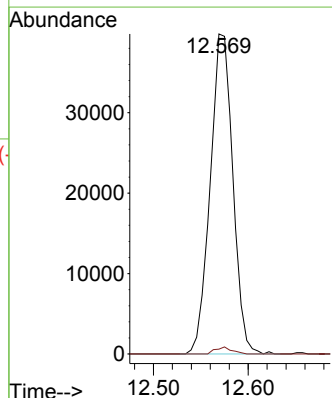
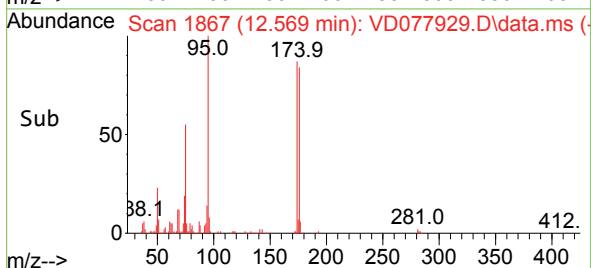
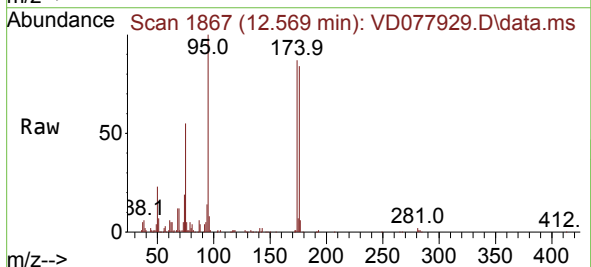


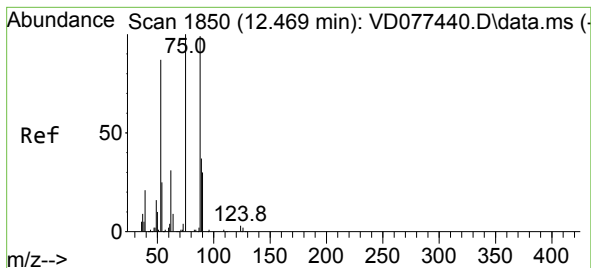
Tgt Ion:152 Resp: 147617
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 152.3 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 51.628 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Tgt Ion: 75 Resp: 66190
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

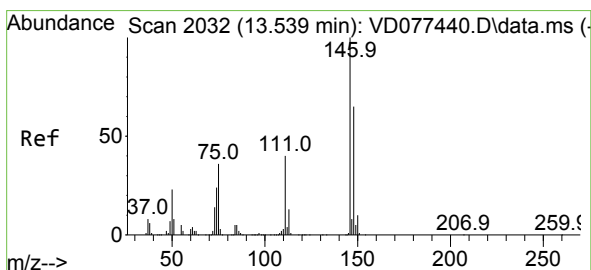
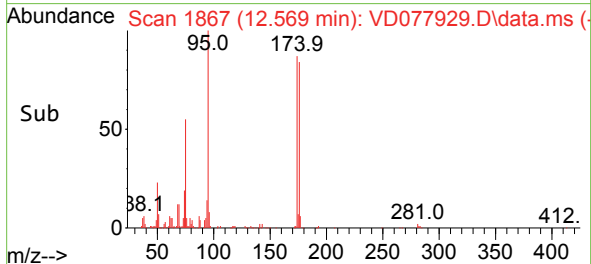
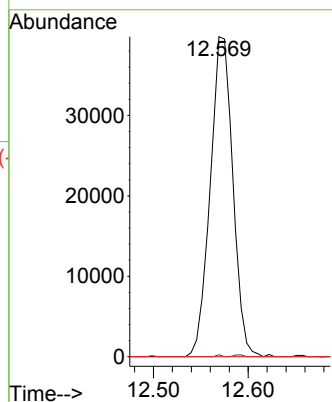
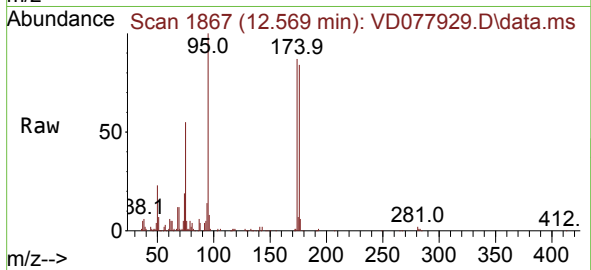




#81
trans-1,4-Dichloro-2-butene
Concen: 104.602 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 66190
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077929.D
Acq: 16 Dec 2023 12:50

Tgt Ion:146 Resp: 332
Ion Ratio Lower Upper
146 100
111 528.6 17.4 52.3#
148 332.2 31.7 95.1#

