

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078043.D
 Acq On : 22 Dec 2023 01:10
 Operator : RP/MD
 Sample : 05877-06
 Misc : 4.74G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:48:32 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)

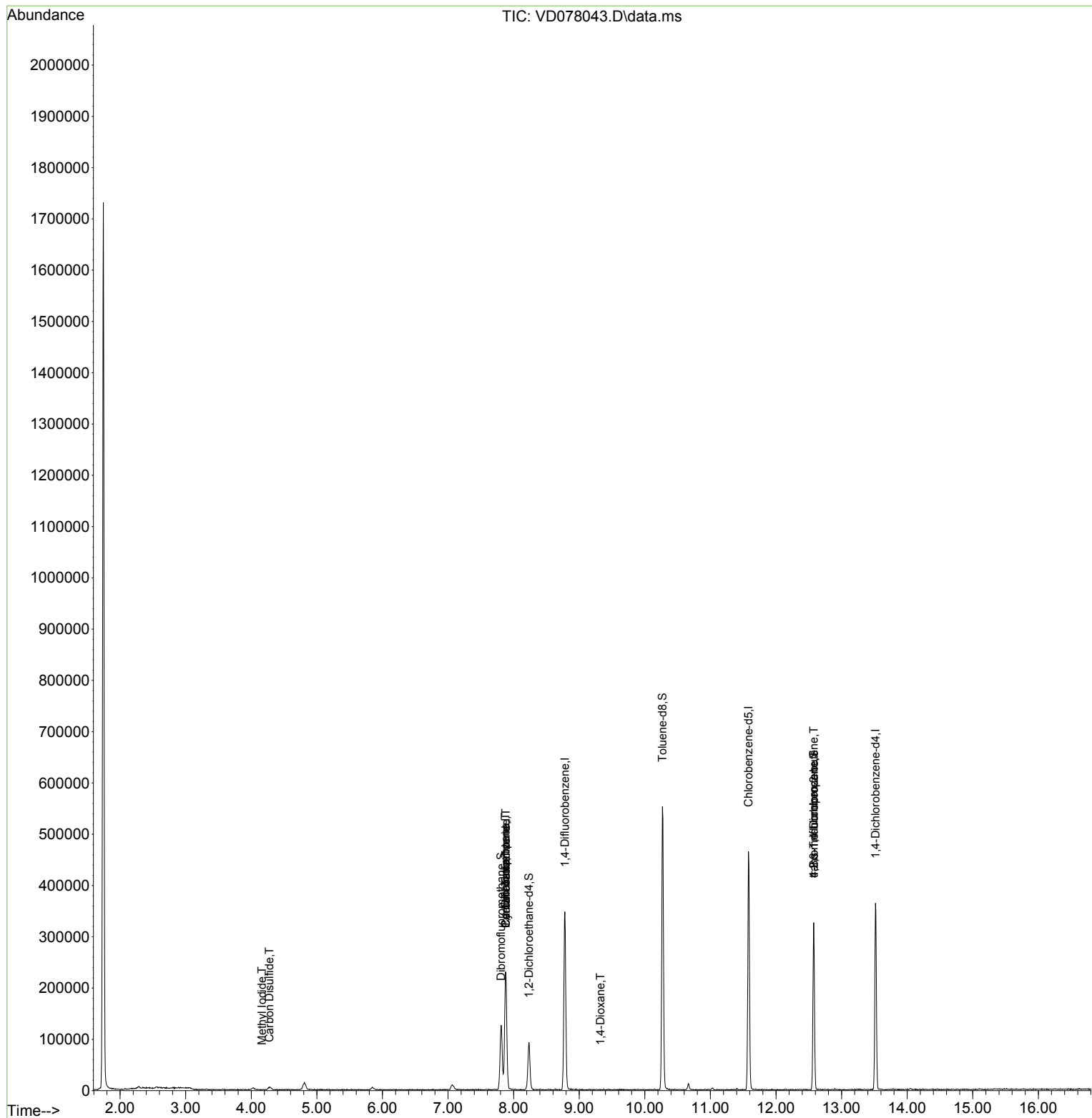
Internal Standards						
1) Pentafluorobenzene	7.881	168	181393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	313301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	267921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	97367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70571	33.016	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.040%
35) Dibromofluoromethane	7.810	113	88418	40.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.580%
50) Toluene-d8	10.269	98	388060	44.150	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.300%
62) 4-Bromofluorobenzene	12.575	95	93802	35.695	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.400%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	59	6.768	ug/l #	22
11) Tert butyl alcohol	5.058	59	71	Below Cal	#	73
16) Acetone	4.017	43	3091	Below Cal	#	77
17) Carbon Disulfide	4.275	76	10819	1.467	ug/l #	90
20) Methylene Chloride	4.811	84	10034	Below Cal	#	86
25) 2-Butanone	7.075	43	456	Below Cal	#	37
31) Cyclohexane	7.881	56	3973	1.045	ug/l #	51
36) 1,1-Dichloropropene	7.875	75	14459	4.119	ug/l #	48
38) Carbon Tetrachloride	7.881	117	18020	5.149	ug/l #	15
49) 1,4-Dioxane	9.322	88	65	5.108	ug/l #	33
65) Chlorobenzene	11.604	112	117	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	49717	58.792	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	49717	119.117	ug/l #	17
88) 1,4-Dichlorobenzene	13.516	146	469	Below Cal	#	1

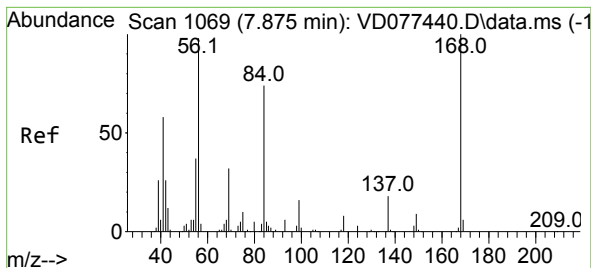
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078043.D

Acq: 22 Dec 2023 01:10

Instrument :

MSVOA_D

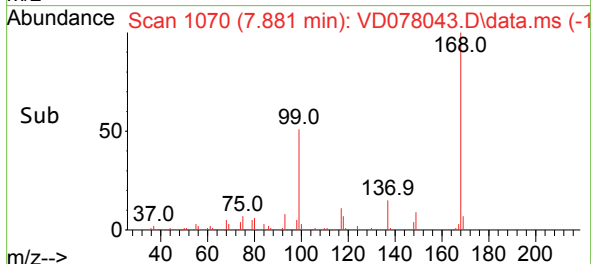
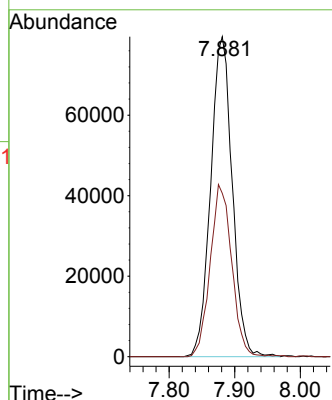
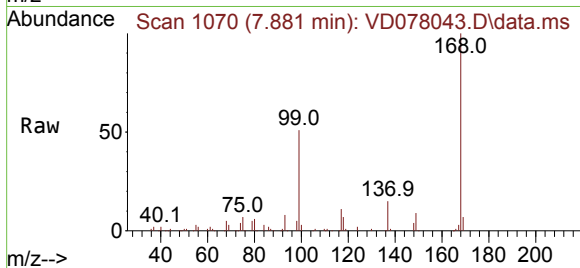
ClientSampleId :

Tgt Ion:168 Resp: 181393

Ion Ratio Lower Upper

168 100

99 51.1 36.7 55.1



#10

Methyl Iodide

Concen: 6.768 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD078043.D

Acq: 22 Dec 2023 01:10

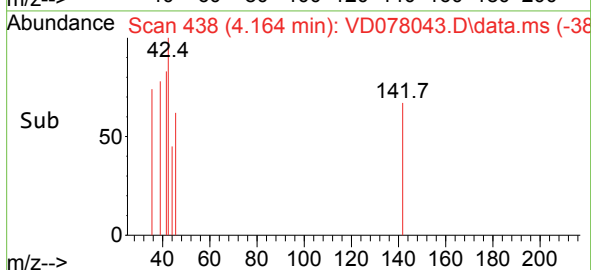
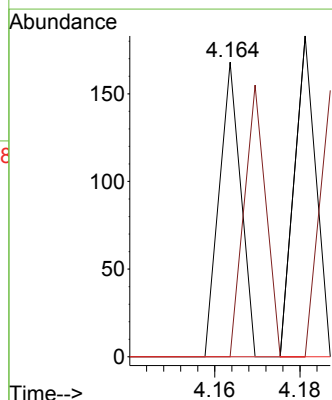
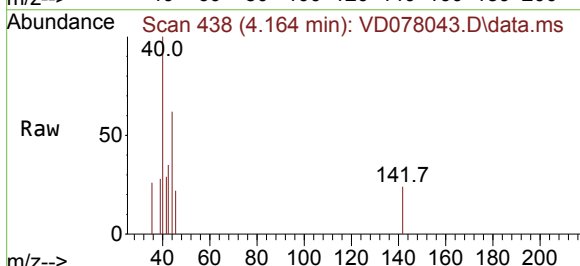
Tgt Ion:142 Resp: 59

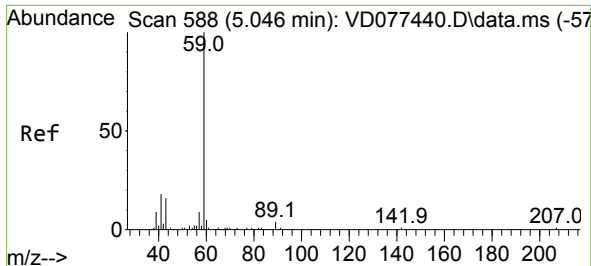
Ion Ratio Lower Upper

142 100

127 93.2 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 59

Delta R.T. 0.012 min

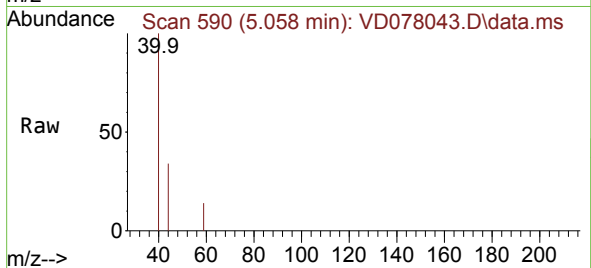
Lab File: VD078043.D

Acq: 22 Dec 2023 01:10

Instrument :

MSVOA_D

ClientSampleId :

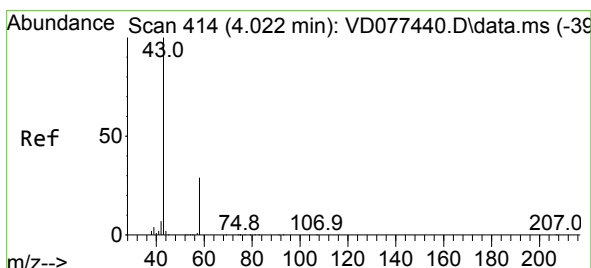
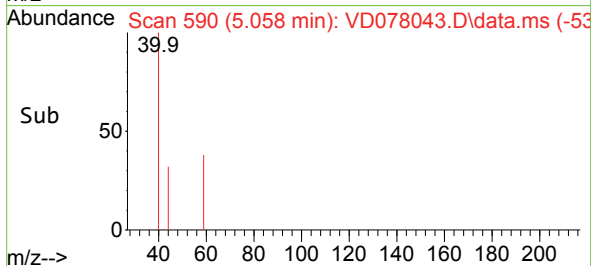
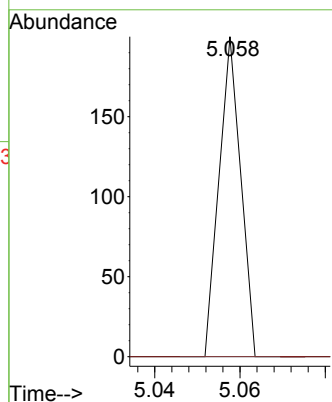


Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.017 min Scan# 413

Delta R.T. -0.005 min

Lab File: VD078043.D

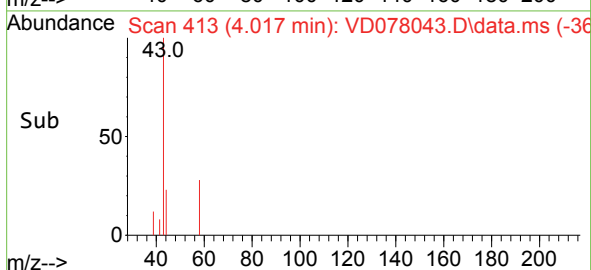
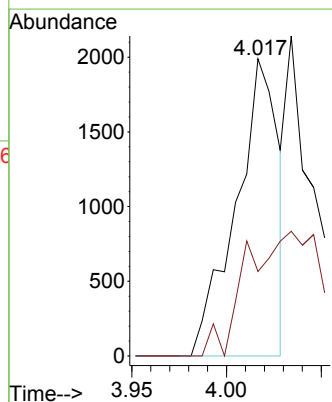
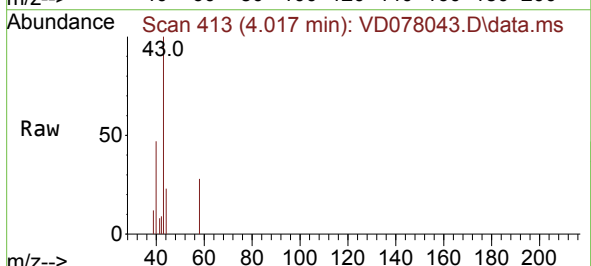
Acq: 22 Dec 2023 01:10

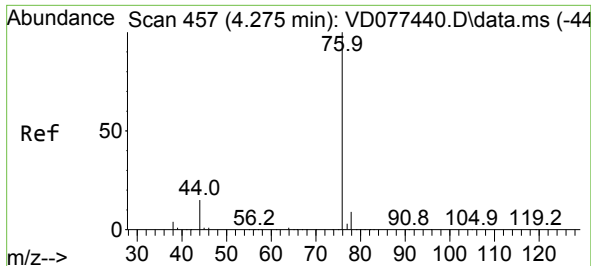
Tgt Ion: 43 Resp: 3091

Ion Ratio Lower Upper

43 100

58 28.5 34.7 52.1#

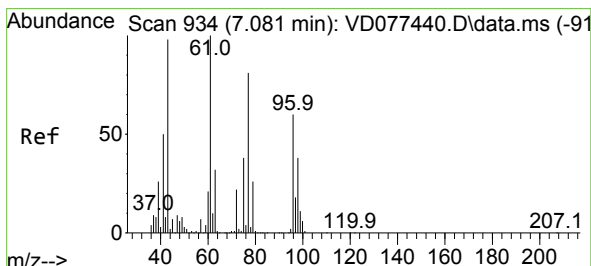
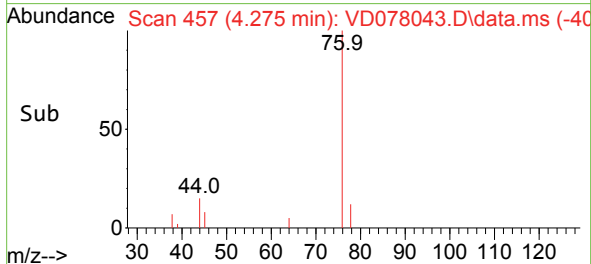
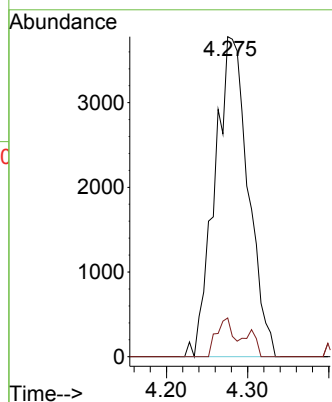
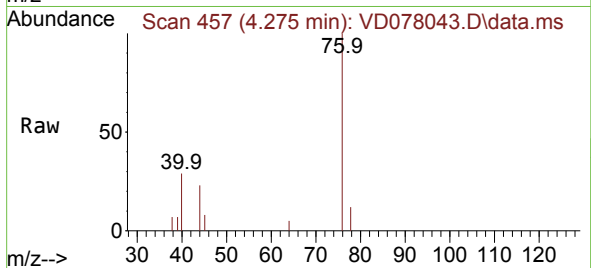




#17
Carbon Disulfide
Concen: 1.467 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

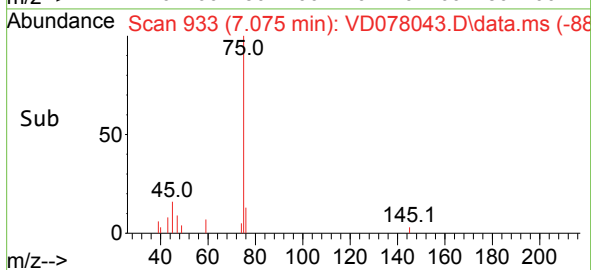
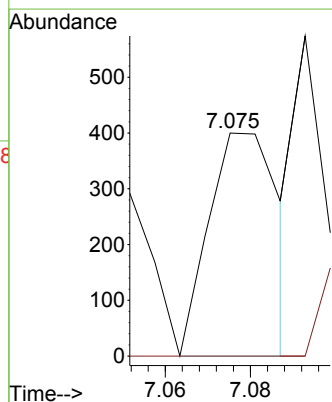
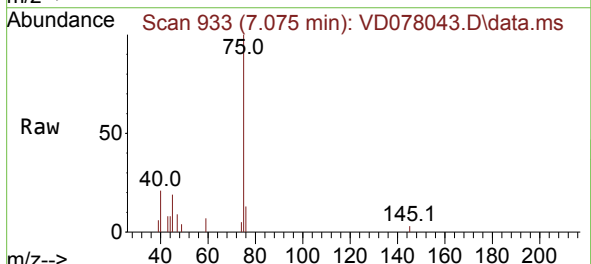
Instrument :
MSVOA_D
ClientSampleId :

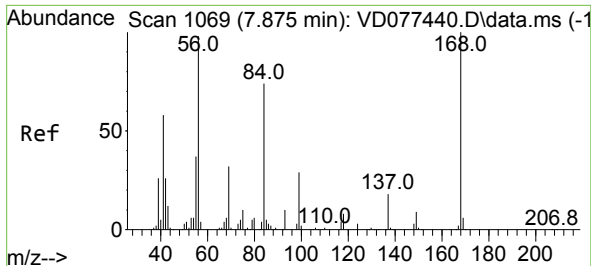
Tgt Ion: 76 Resp: 10819
Ion Ratio Lower Upper
76 100
78 12.1 6.8 10.2#



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

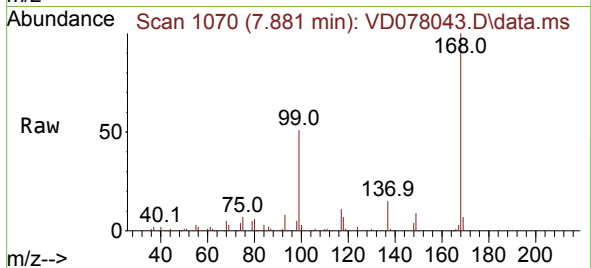
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



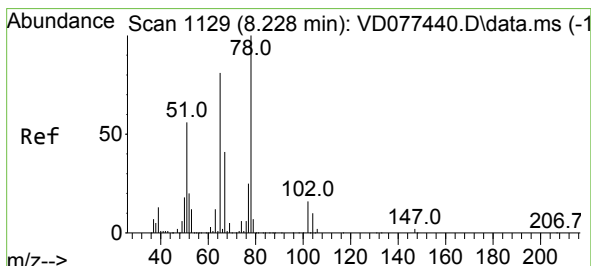
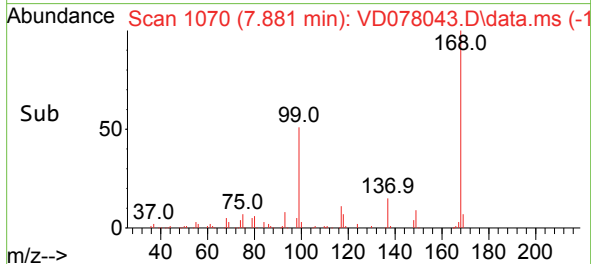
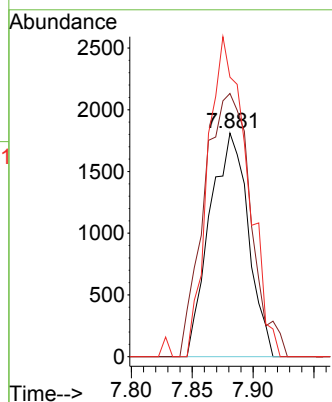


#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

Instrument :
MSVOA_D
ClientSampleId :

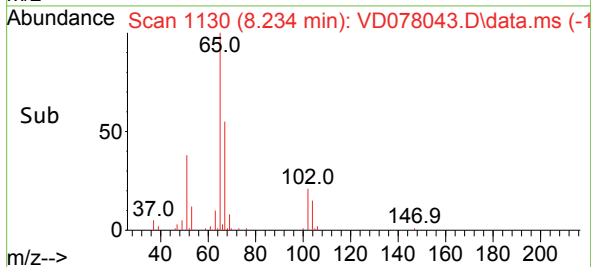
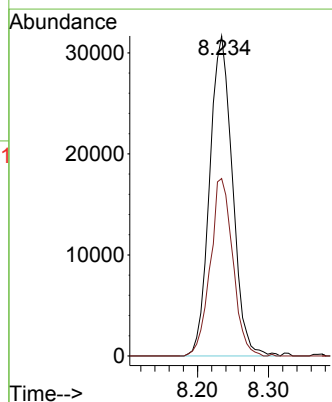
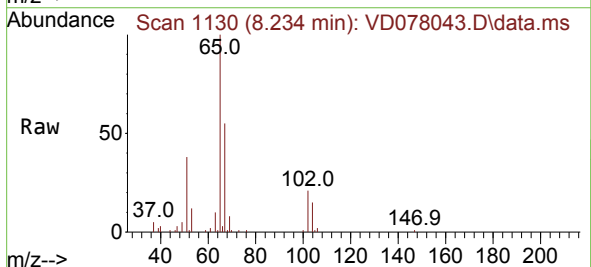


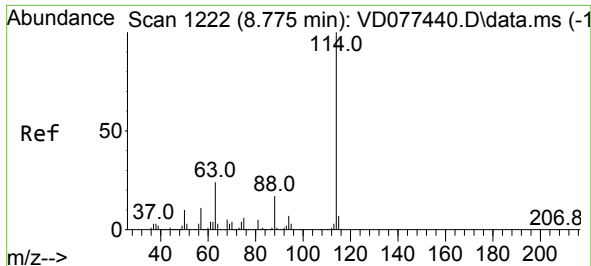
Tgt Ion: 56 Resp: 3973
Ion Ratio Lower Upper
56 100
69 117.8 28.6 43.0#
84 125.1 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 33.016 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

Tgt Ion: 65 Resp: 70571
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0

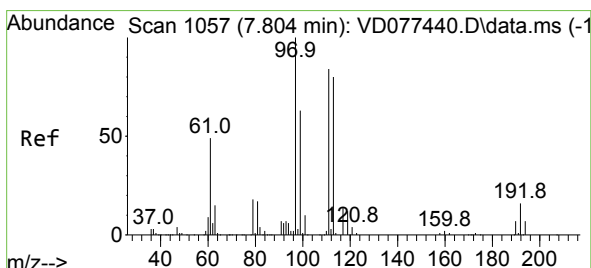
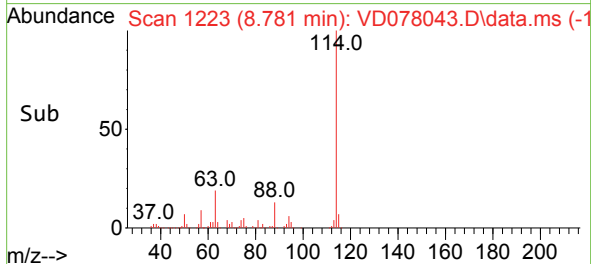
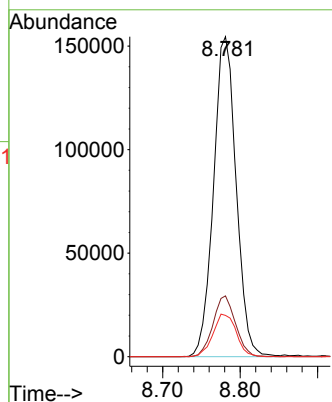
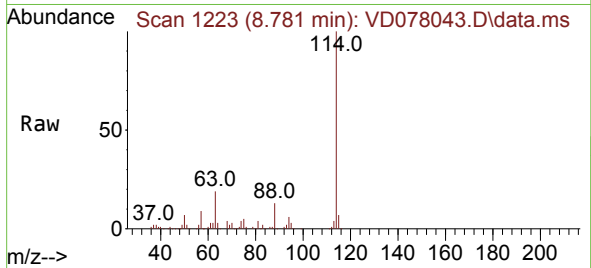




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

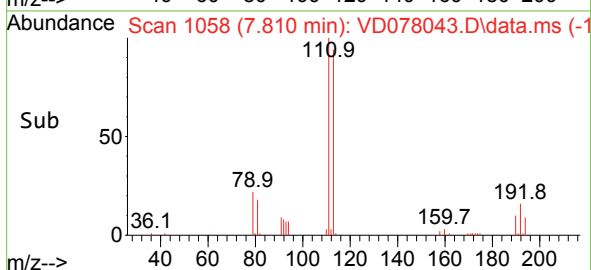
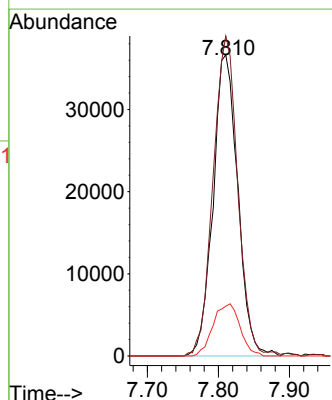
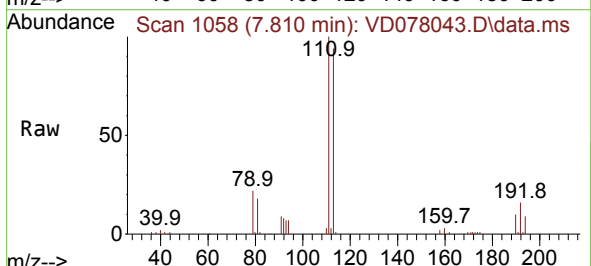
Instrument :
MSVOA_D
ClientSampleId :

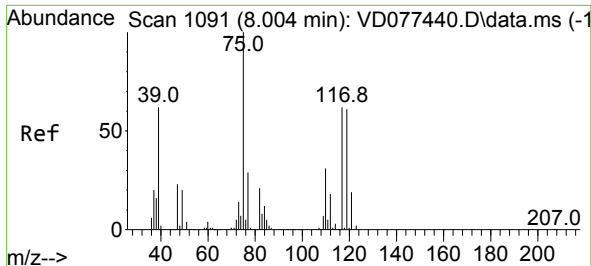
Tgt Ion:114 Resp: 313301
Ion Ratio Lower Upper
114 100
63 19.0 0.0 33.4
88 12.9 0.0 26.2



#35
Dibromofluoromethane
Concen: 40.290 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

Tgt Ion:113 Resp: 88418
Ion Ratio Lower Upper
113 100
111 106.2 84.7 127.1
192 18.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.119 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

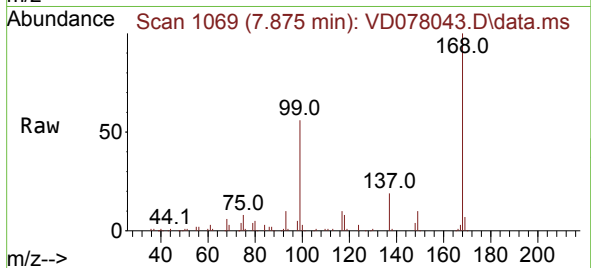
Lab File: VD078043.D

Acq: 22 Dec 2023 01:10

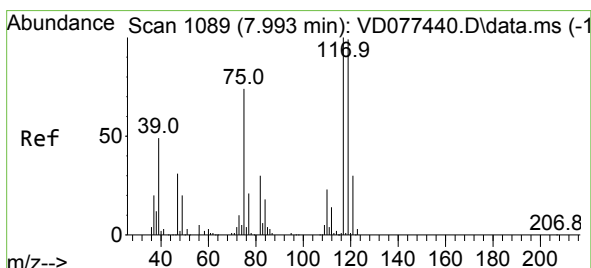
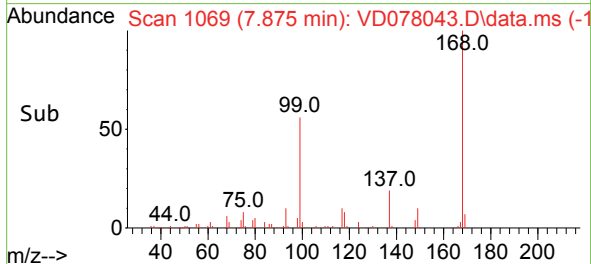
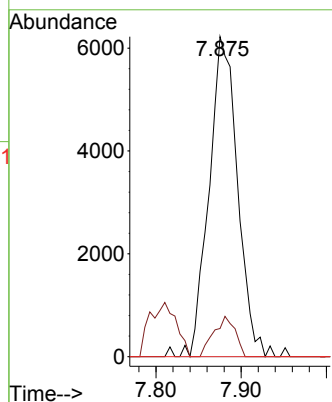
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	14459
Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.149 ug/l

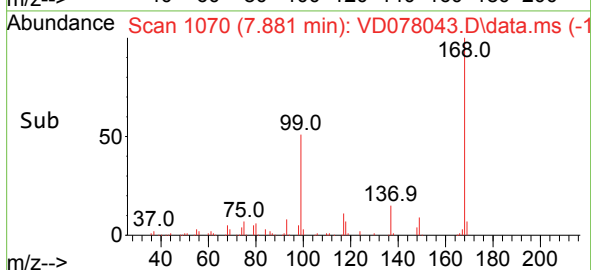
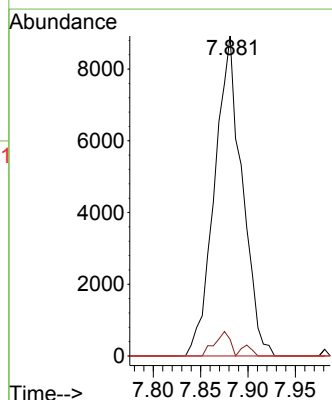
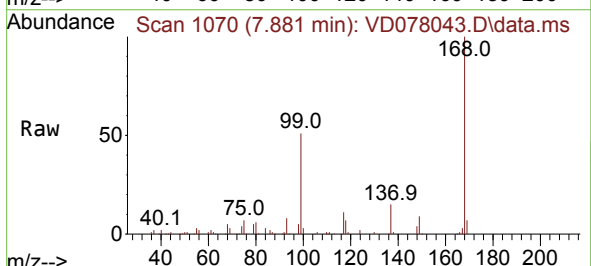
RT: 7.881 min Scan# 1070

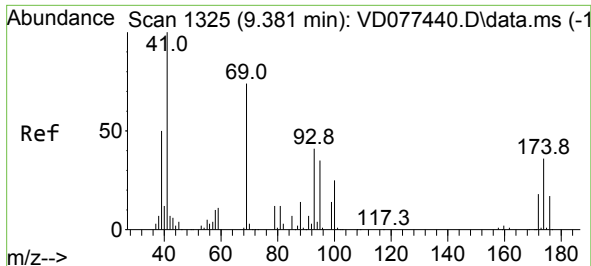
Delta R.T. -0.112 min

Lab File: VD078043.D

Acq: 22 Dec 2023 01:10

Tgt Ion:	117	Resp:	18020
Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.0	117.0#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 5.108 ug/l

RT: 9.322 min Scan# 11

Delta R.T. -0.059 min

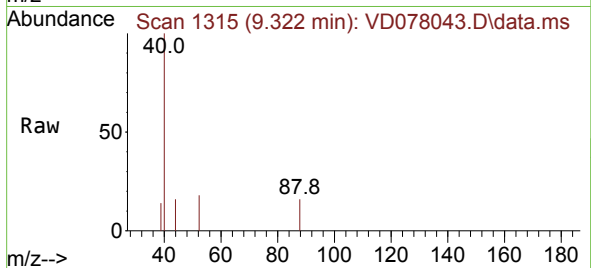
Lab File: VD078043.D

Acq: 22 Dec 2023 01:10

Instrument :

MSVOA_D

ClientSampleId :



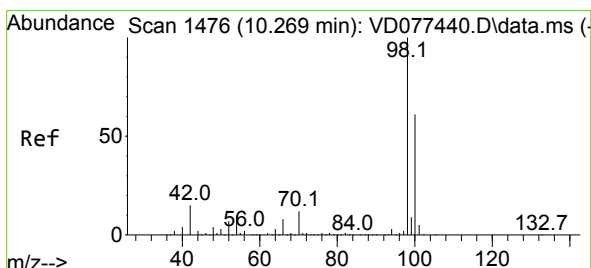
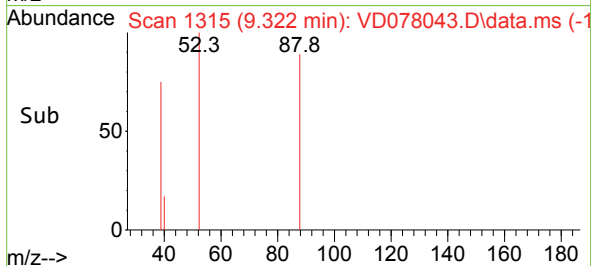
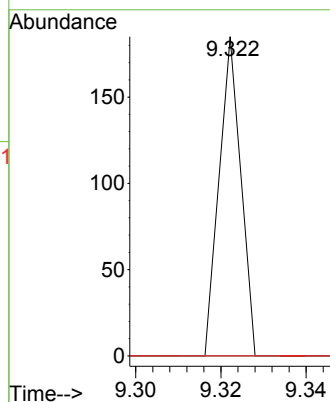
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 44.150 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078043.D

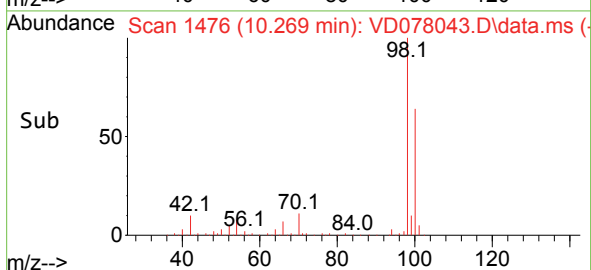
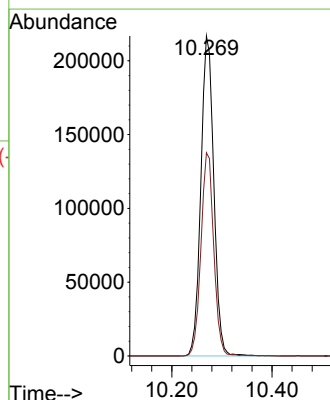
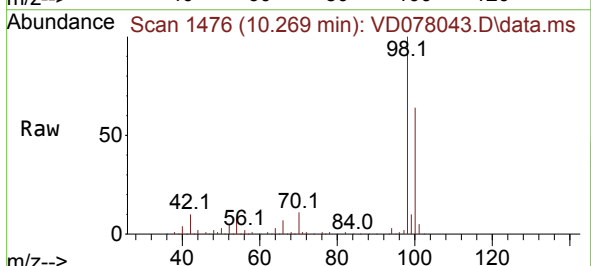
Acq: 22 Dec 2023 01:10

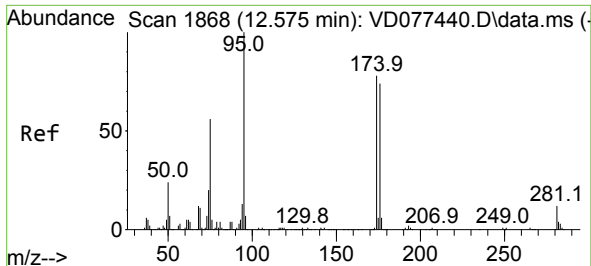
Tgt Ion: 98 Resp: 388060

Ion Ratio Lower Upper

98 100

100 62.9 50.3 75.5

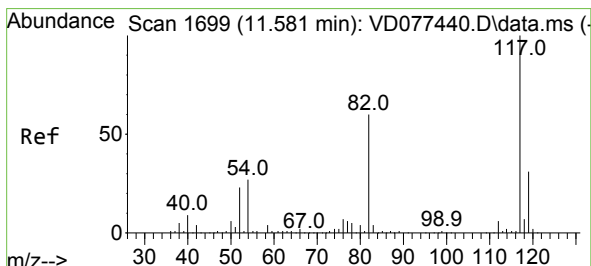
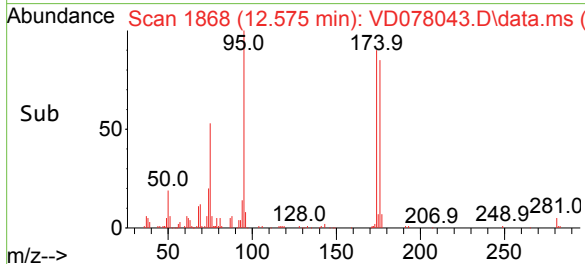
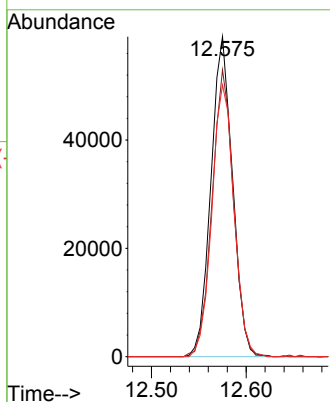
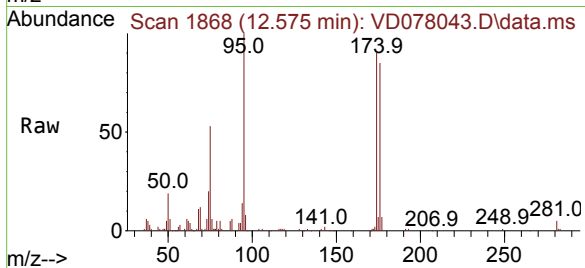




#62
4-Bromofluorobenzene
Concen: 35.695 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

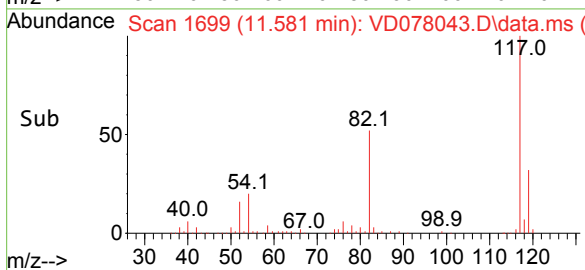
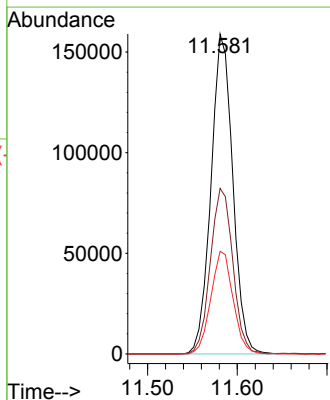
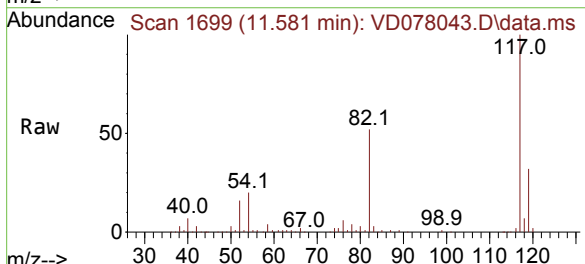
Instrument :
MSVOA_D
ClientSampleId :

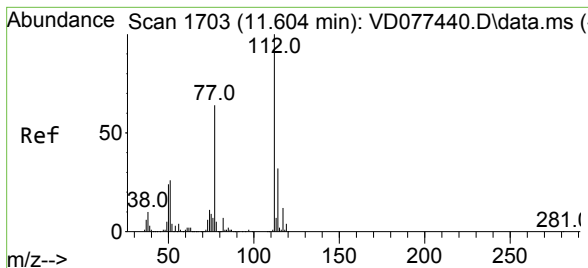
Tgt Ion: 95 Resp: 93802
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 86.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

Tgt Ion: 117 Resp: 267921
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 32.1 25.0 37.4

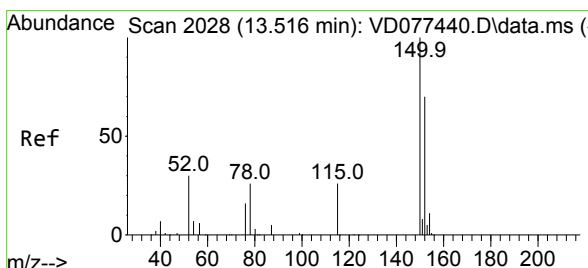
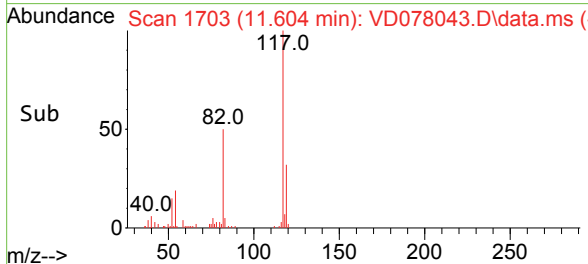
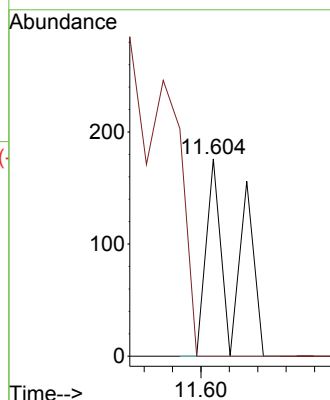
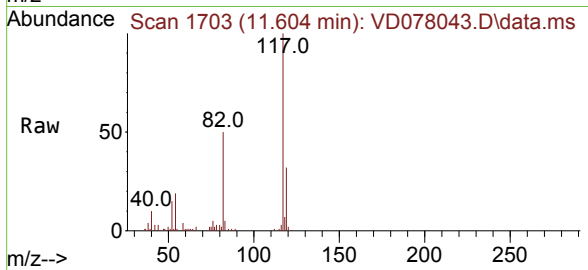




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

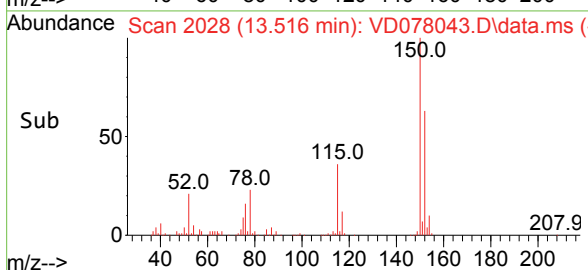
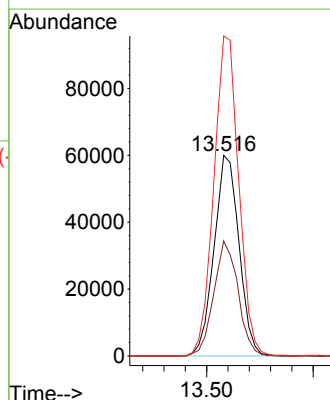
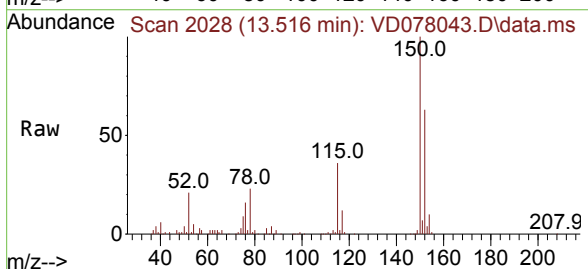
Instrument :
MSVOA_D
ClientSampleId :

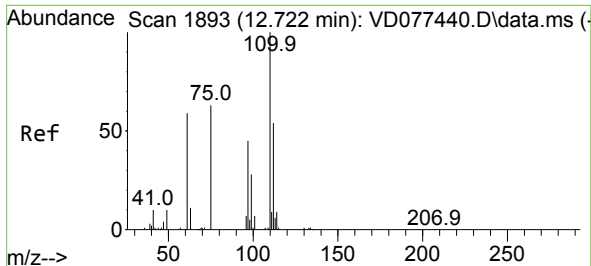
Tgt Ion:112 Resp: 117
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

Tgt Ion:152 Resp: 97367
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 159.4 0.0 353.6

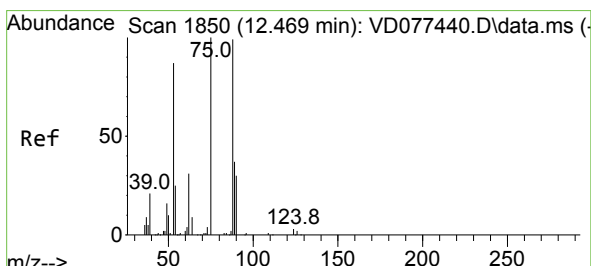
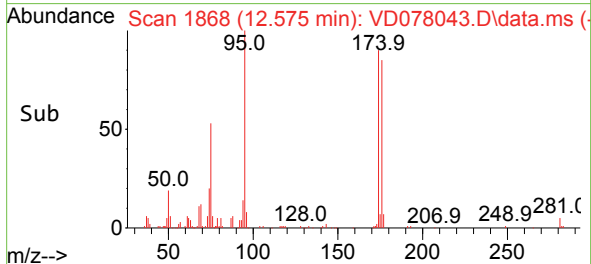
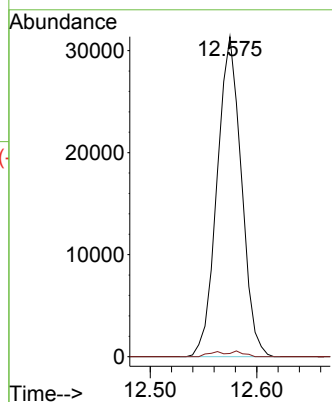
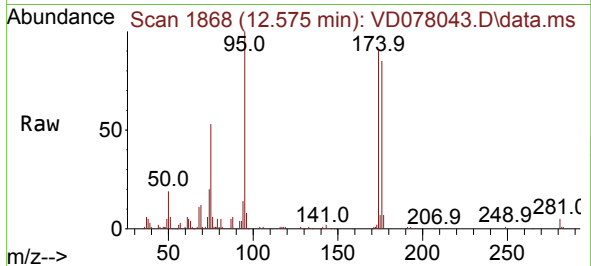




#76
1,2,3-Trichloropropane
Concen: 58.792 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

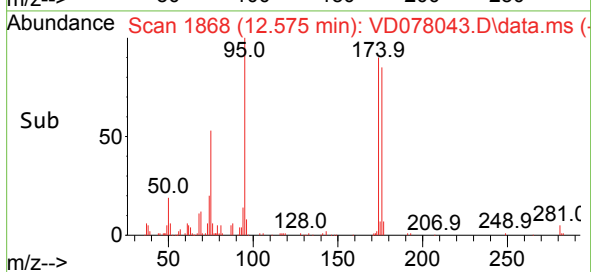
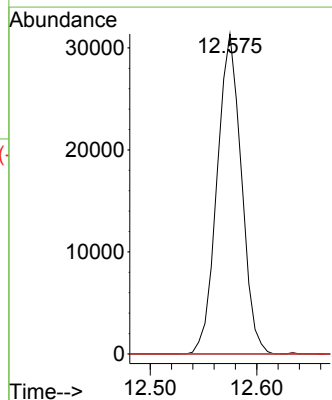
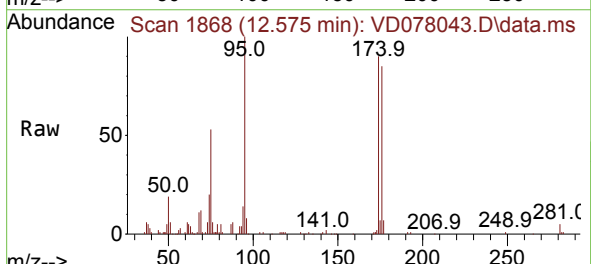
Instrument :
MSVOA_D
ClientSampleId :

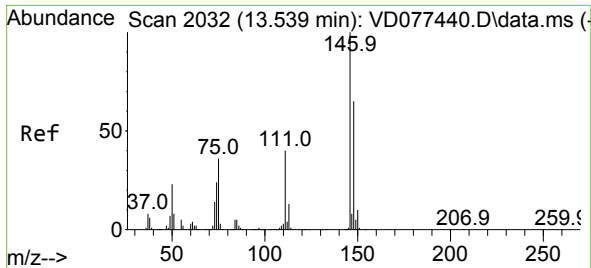
Tgt Ion: 75 Resp: 49717
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.117 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078043.D
Acq: 22 Dec 2023 01:10

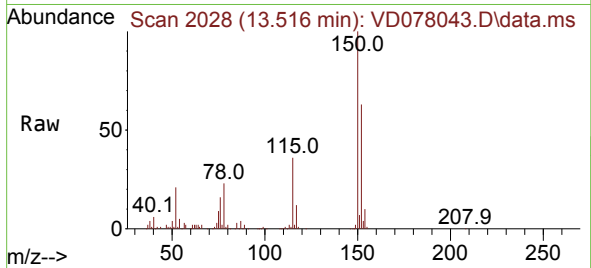
Tgt Ion: 75 Resp: 49717
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.516 min Scan# 2032
 Delta R.T. -0.023 min
 Lab File: VD078043.D
 Acq: 22 Dec 2023 01:10

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
146	100		
111	255.0	17.4	52.3#
148	169.9	31.7	95.1#

