

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077838.D
 Acq On : 12 Dec 2023 13:30
 Operator : JC/SY
 Sample : 05701-01RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-120723

Quant Time: Dec 12 14:23:15 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)

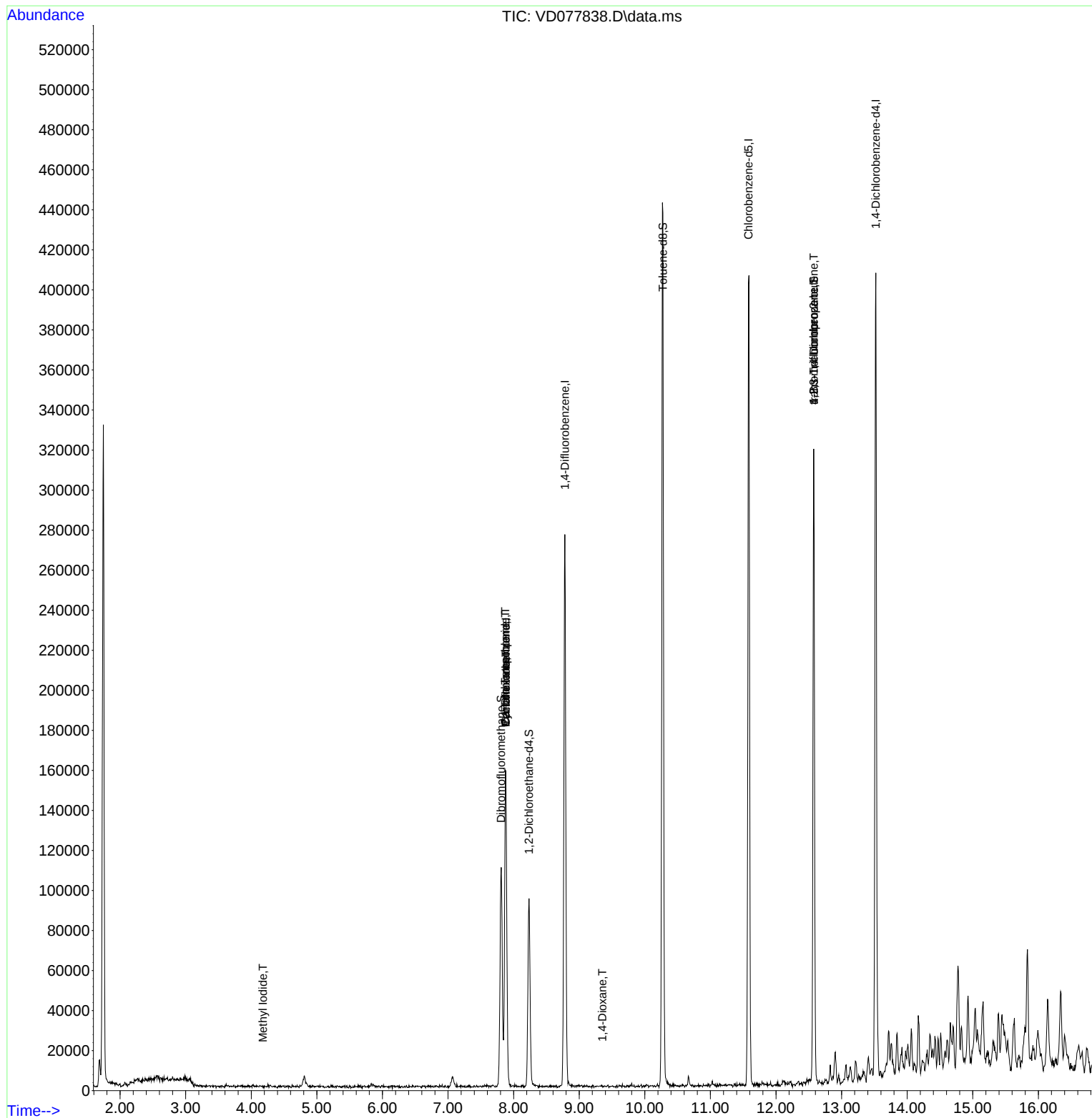
Internal Standards						
1) Pentafluorobenzene	7.881	168	123301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	243096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	241368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	111318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73652	50.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.380%
35) Dibromofluoromethane	7.810	113	78779	46.264	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.520%
50) Toluene-d8	10.275	98	312265	45.787	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.580%
62) 4-Bromofluorobenzene	12.575	95	96157	47.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.320%
Target Compounds						Qvalue
10) Methyl Iodide	4.175	142	95	6.804	ug/l #	46
11) Tert butyl alcohol	5.299	59	55	Below Cal	#	73
16) Acetone	4.022	43	151	Below Cal	#	32
20) Methylene Chloride	4.811	84	3663	Below Cal	#	69
25) 2-Butanone	7.069	43	355	Below Cal	#	37
31) Cyclohexane	7.881	56	2831	1.095	ug/l #	36
36) 1,1-Dichloropropene	7.875	75	10590	3.888	ug/l #	49
38) Carbon Tetrachloride	7.875	117	12245	4.510	ug/l #	16
49) 1,4-Dioxane	9.351	88	58	5.874	ug/l #	33
65) Chlorobenzene	11.610	112	422	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	49138	50.825	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	49138	102.976	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	510	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.463	75	74	Below Cal	#	1

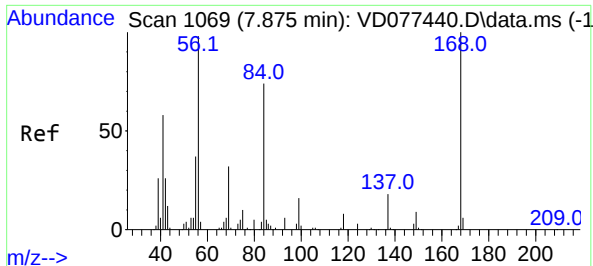
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration

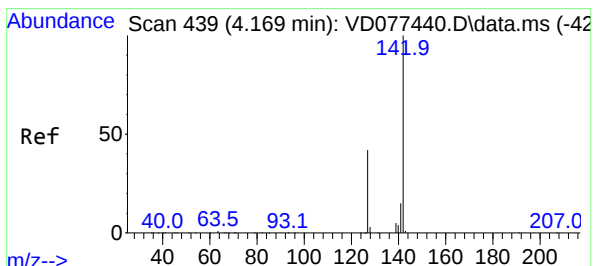
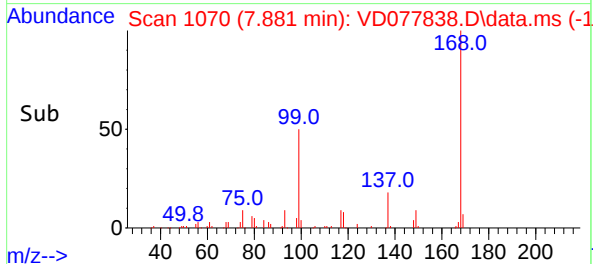
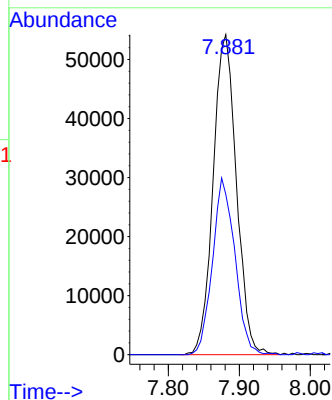
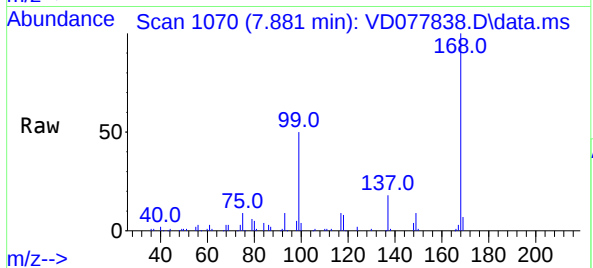




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

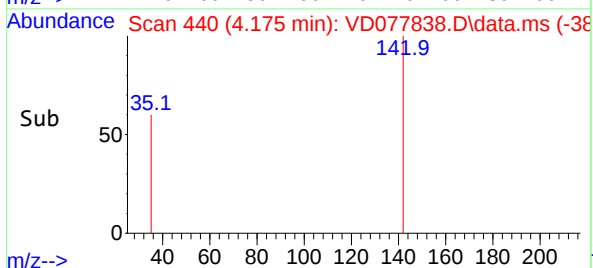
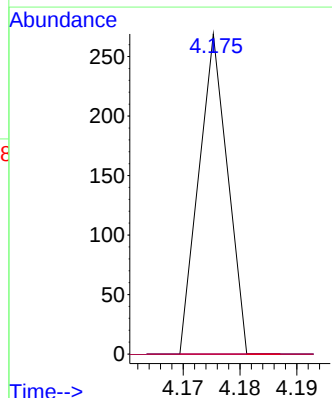
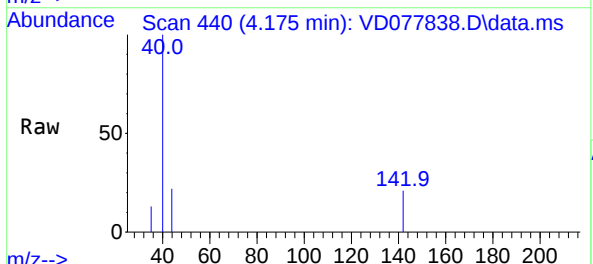
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

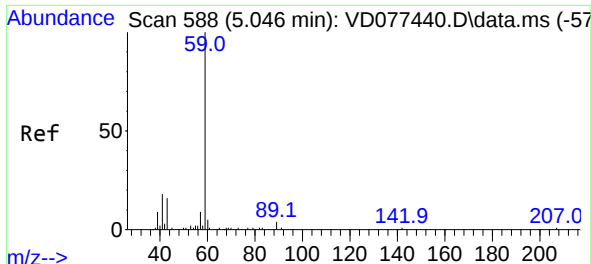
Tgt Ion:168 Resp: 123301
Ion Ratio Lower Upper
168 100
99 50.1 36.7 55.1



#10
Methyl Iodide
Concen: 6.804 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion:142 Resp: 95
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

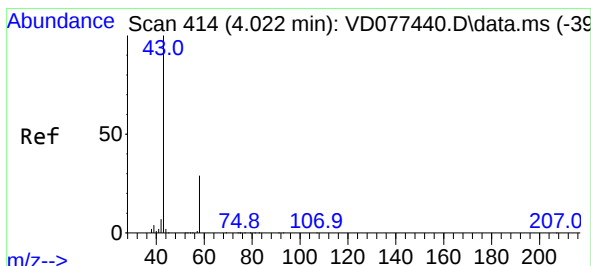
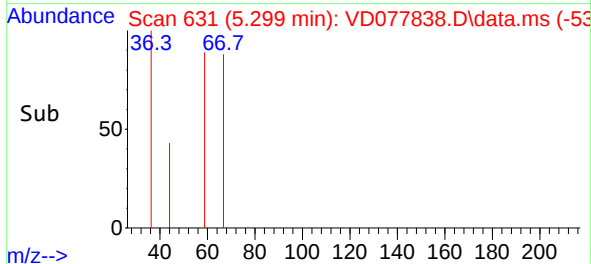
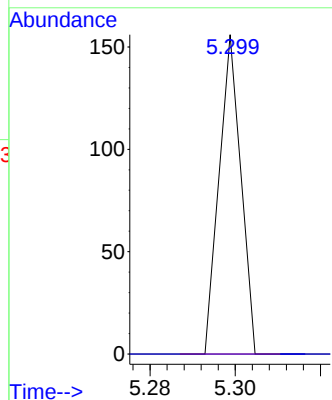
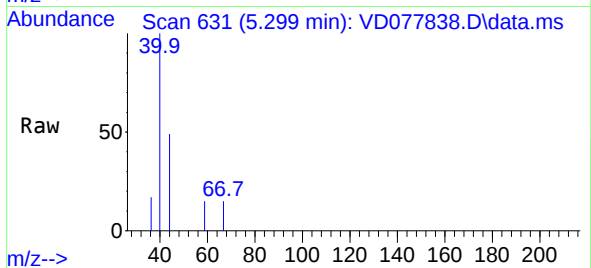




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.299 min Scan# 61
Delta R.T. 0.253 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

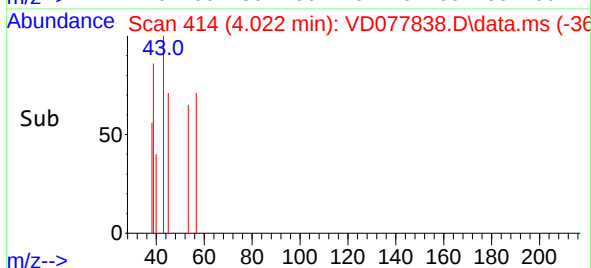
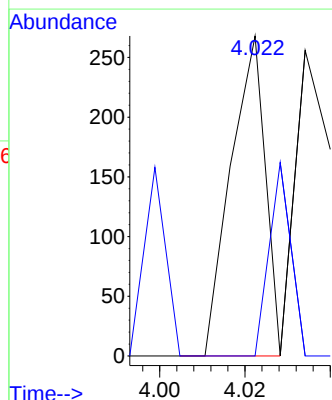
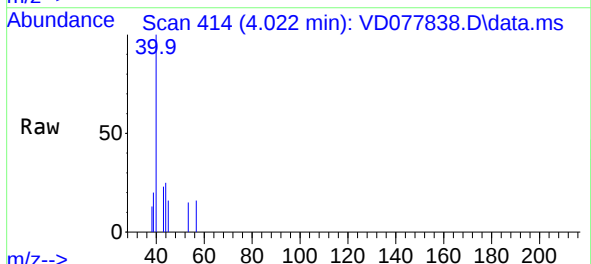
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

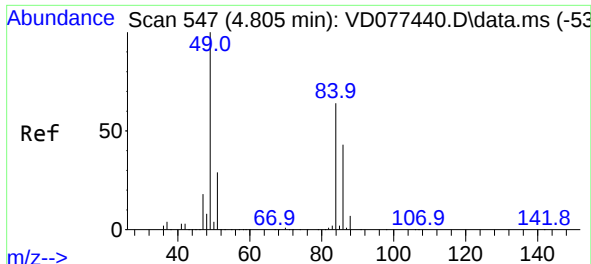
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

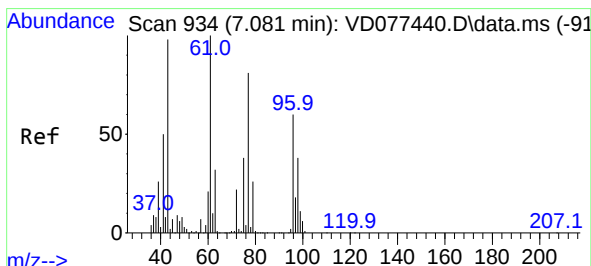
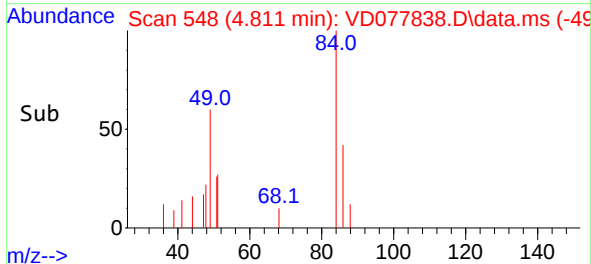
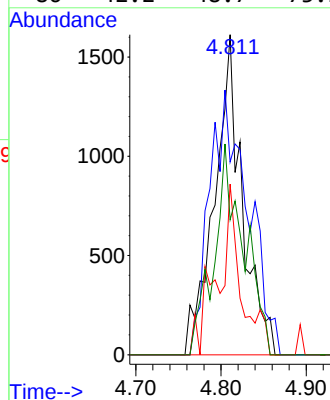
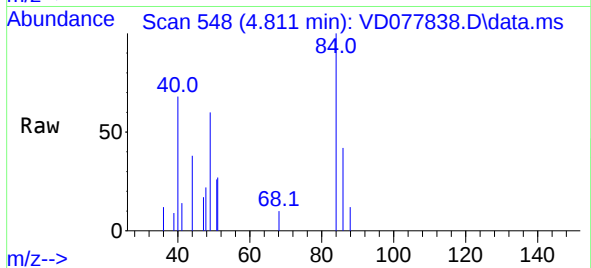




#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

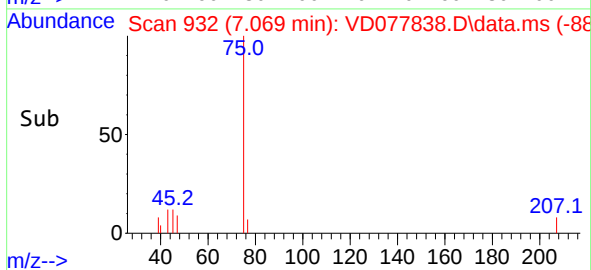
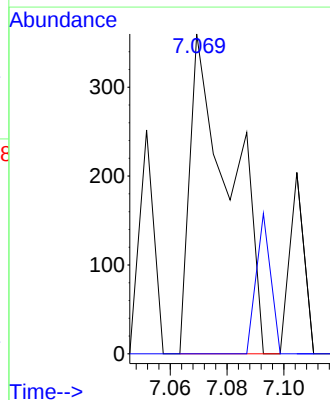
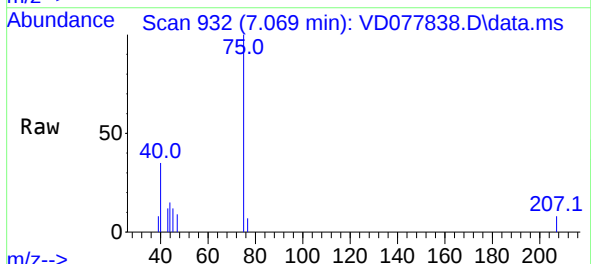
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

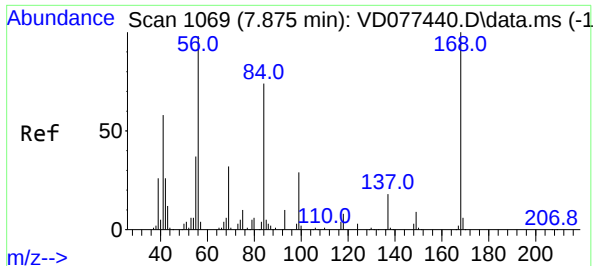
Tgt Ion: 84 Resp: 3663
Ion Ratio Lower Upper
84 100
49 60.2 71.4 107.2#
51 53.3 24.5 36.7#
86 42.2 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

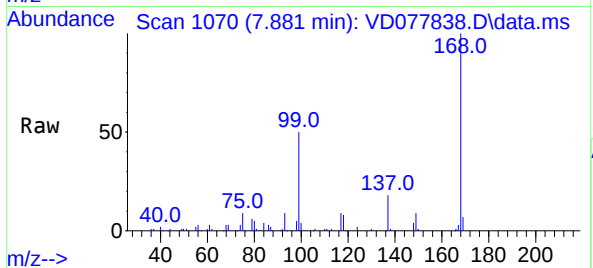
Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



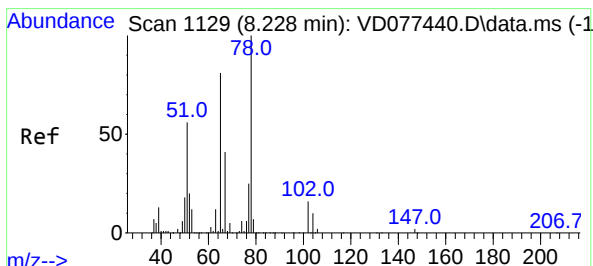
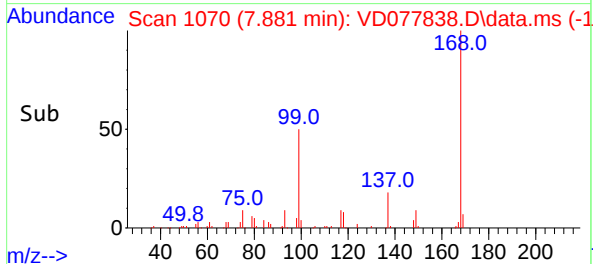
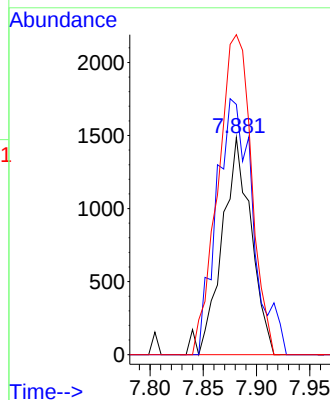


#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

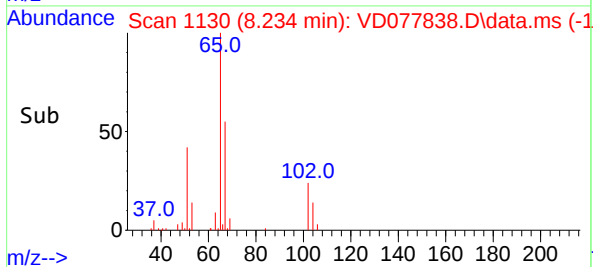
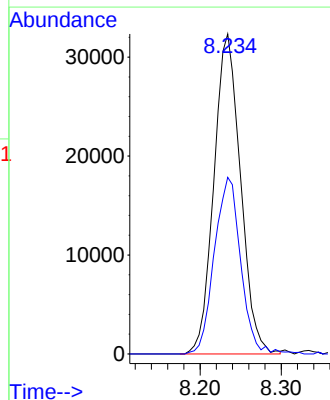
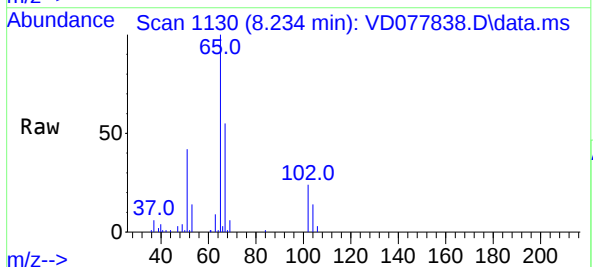


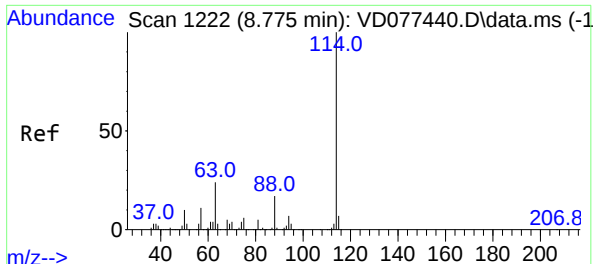
Tgt Ion: 56 Resp: 2831
Ion Ratio Lower Upper
56 100
69 115.3 28.6 43.0#
84 147.4 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 50.692 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion: 65 Resp: 73652
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# 11

Delta R.T. 0.006 min

Lab File: VD077838.D

Acq: 12 Dec 2023 13:30

Instrument :

MSVOA_D

ClientSampleId :

TR-06-120723

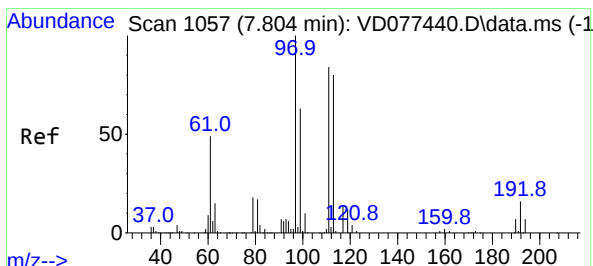
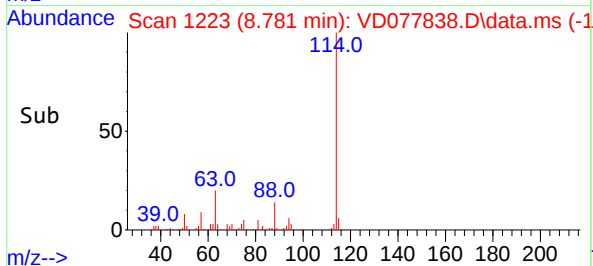
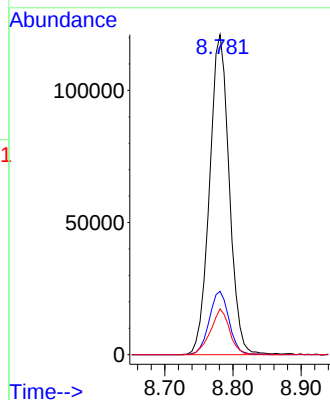
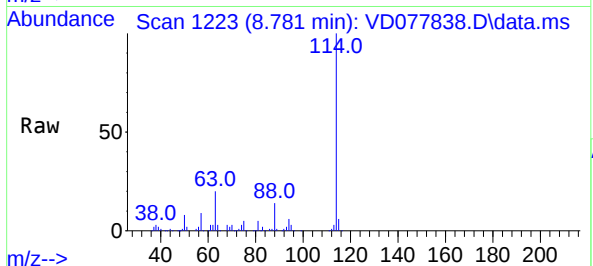
Tgt Ion:114 Resp: 243096

Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.264 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077838.D

Acq: 12 Dec 2023 13:30

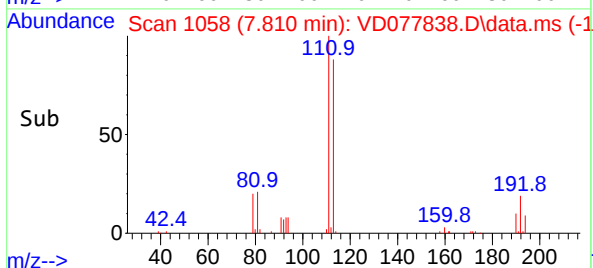
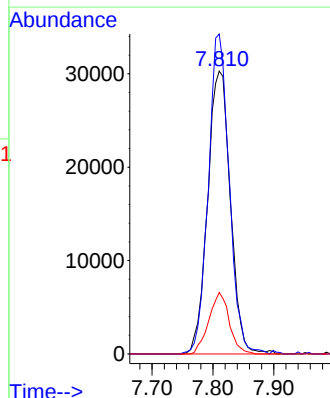
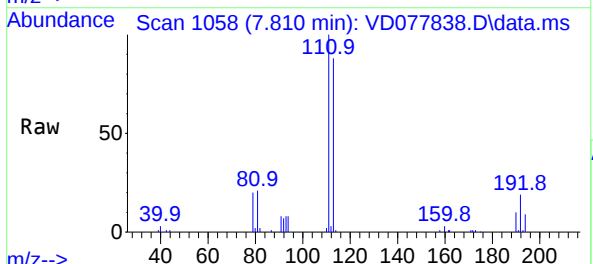
Tgt Ion:113 Resp: 78779

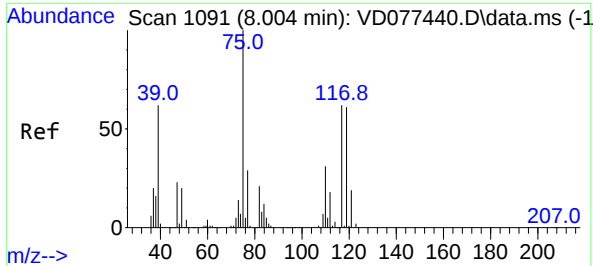
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 19.5 16.8 25.2

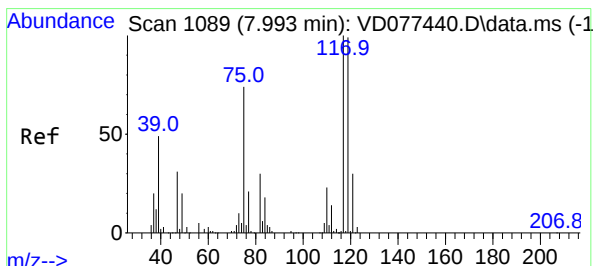
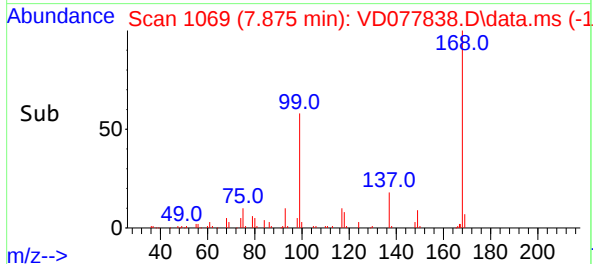
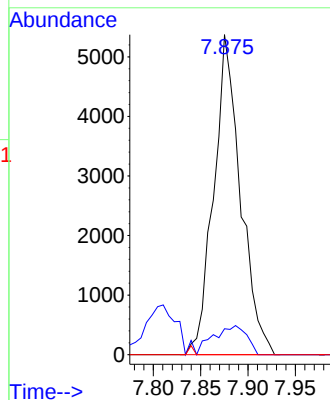
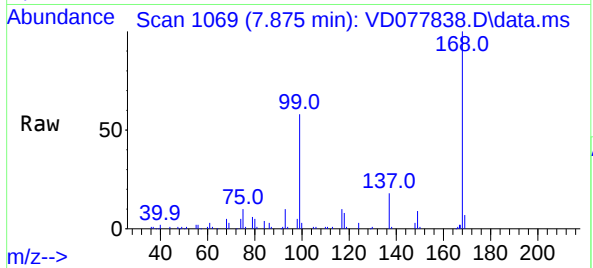




#36
1,1-Dichloropropene
Concen: 3.888 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

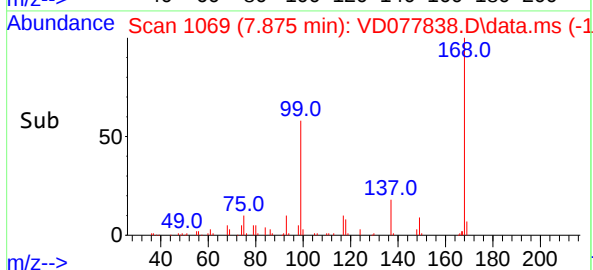
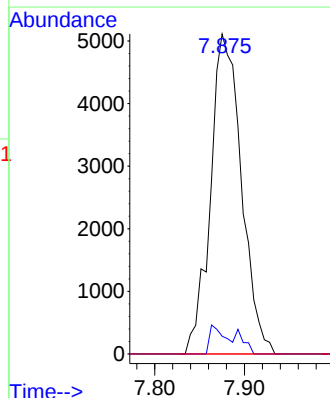
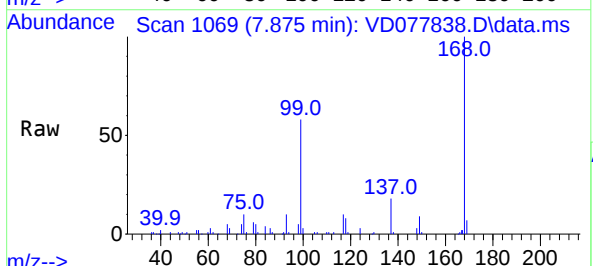
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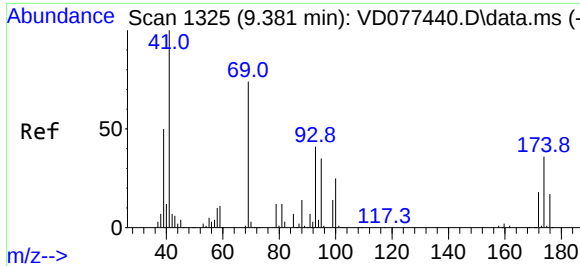
Tgt Ion: 75 Resp: 10590
Ion Ratio Lower Upper
75 100
110 11.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.510 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion: 117 Resp: 12245
Ion Ratio Lower Upper
117 100
119 5.6 78.0 117.0#
121 0.0 24.2 36.2#



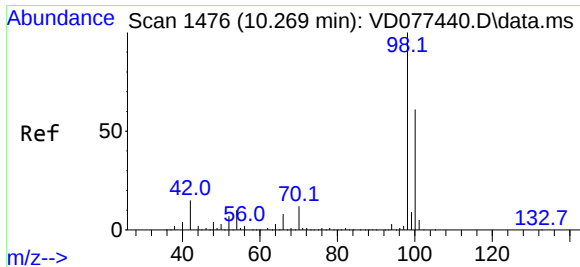
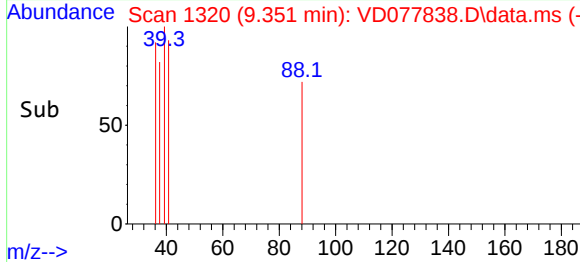
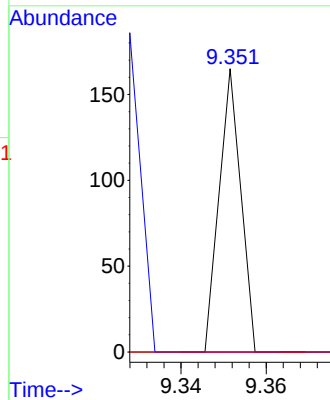
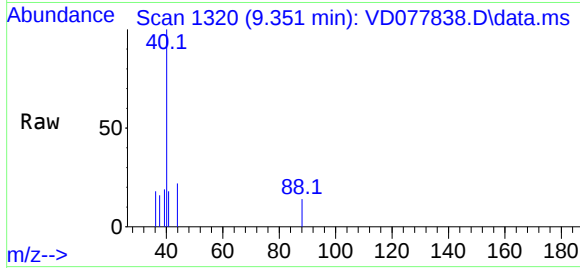


#49
 1,4-Dioxane
 Concen: 5.874 ug/l
 RT: 9.351 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VD077838.D
 Acq: 12 Dec 2023 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-120723

Tgt Ion: 88 Resp: 58

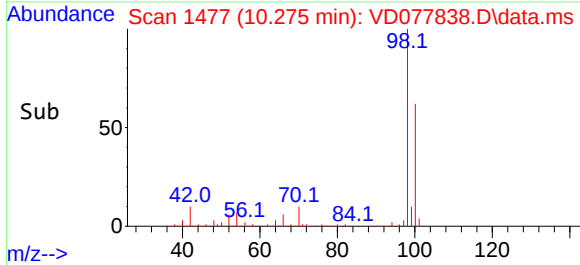
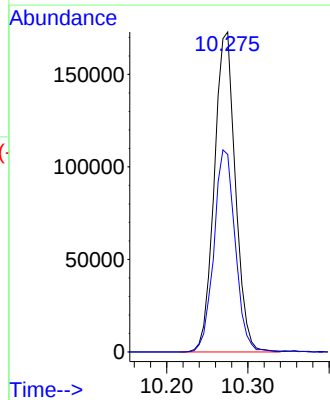
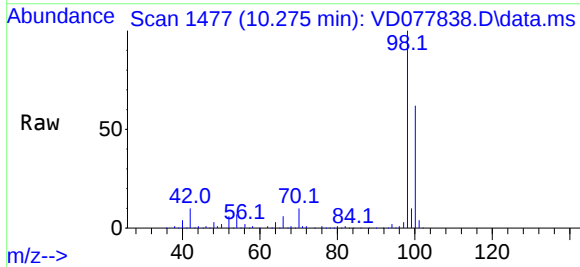
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.6#
58	0.0	43.5	65.3#

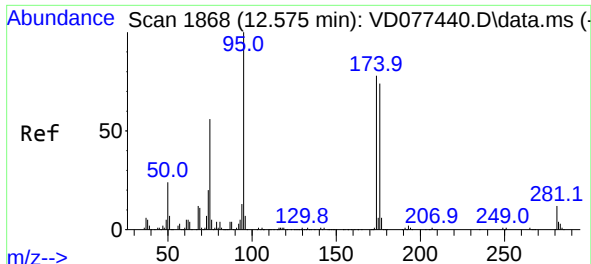


#50
 Toluene-d8
 Concen: 45.787 ug/l
 RT: 10.275 min Scan# 1477
 Delta R.T. 0.006 min
 Lab File: VD077838.D
 Acq: 12 Dec 2023 13:30

Tgt Ion: 98 Resp: 312265

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.3	75.5

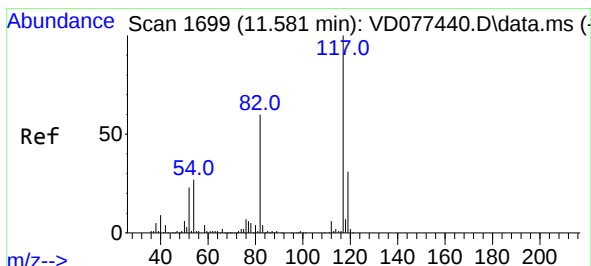
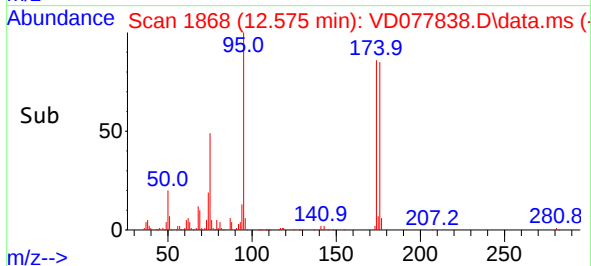
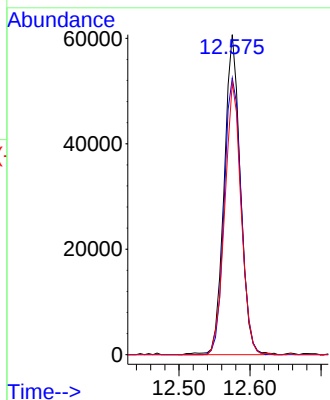
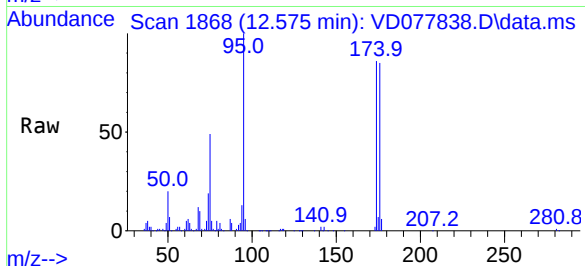




#62
4-Bromofluorobenzene
Concen: 47.159 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

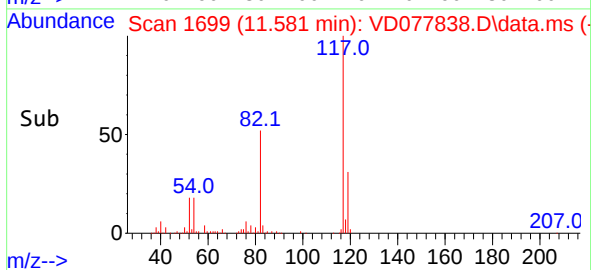
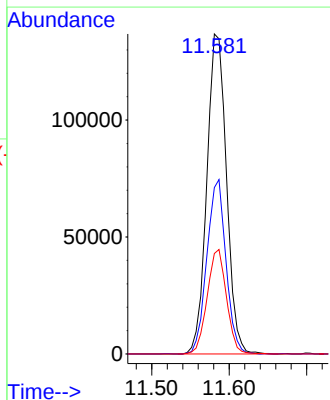
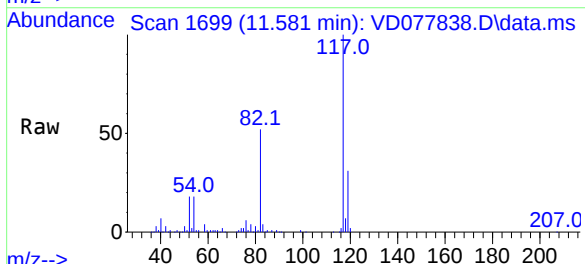
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

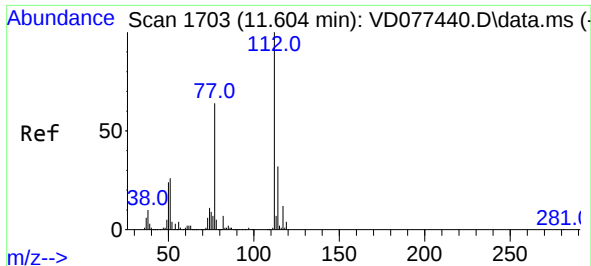
Tgt Ion:	95	Resp:	96157
Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	201.8
176	85.5	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion:	117	Resp:	241368
Ion	Ratio	Lower	Upper
117	100		
82	52.0	38.3	57.5
119	31.4	25.0	37.4

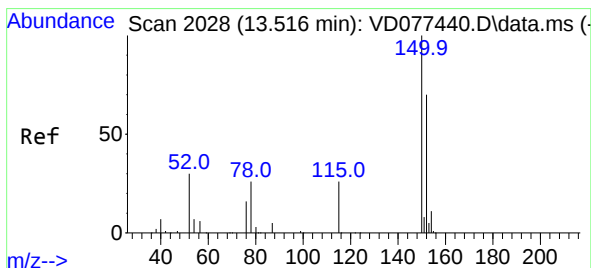
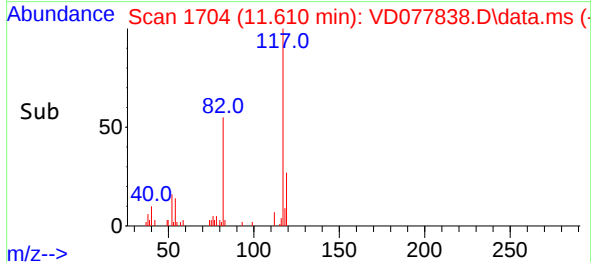
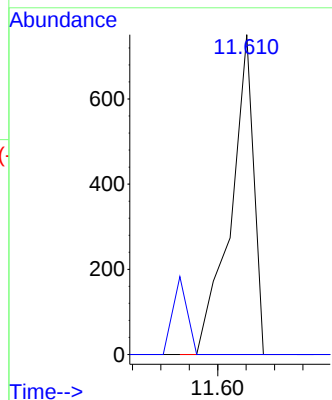
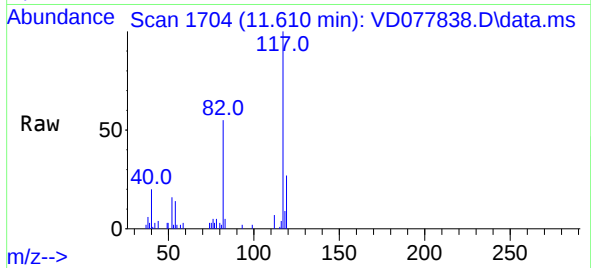




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

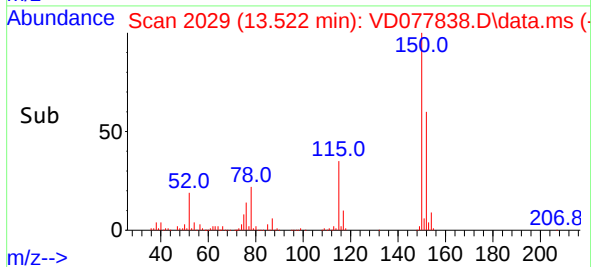
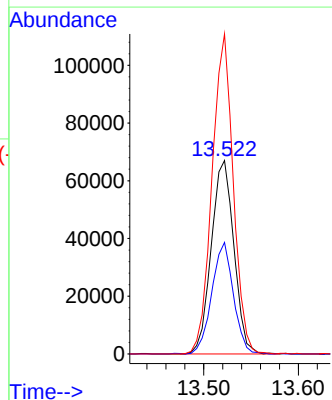
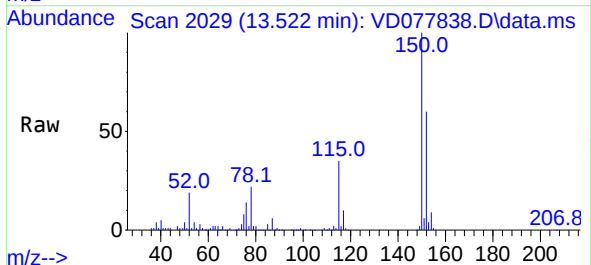
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

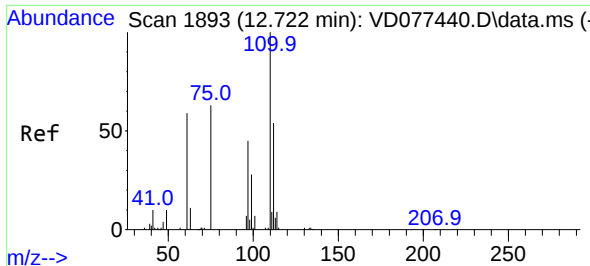
Tgt Ion:112 Resp: 422
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

Tgt Ion:152 Resp: 111318
Ion Ratio Lower Upper
152 100
115 55.0 27.1 81.3
150 155.2 0.0 353.6

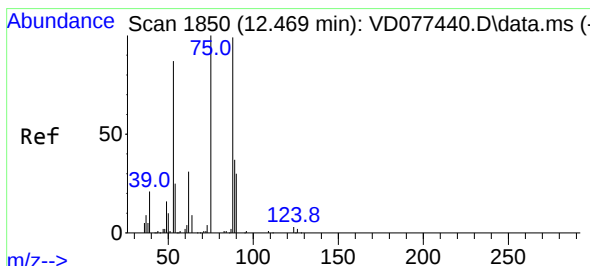
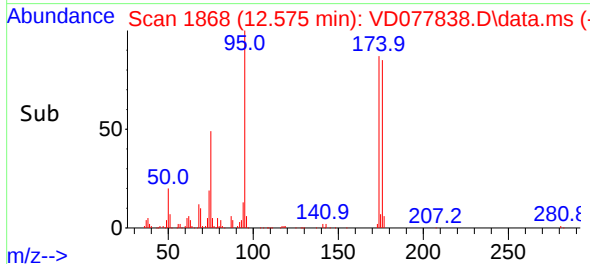
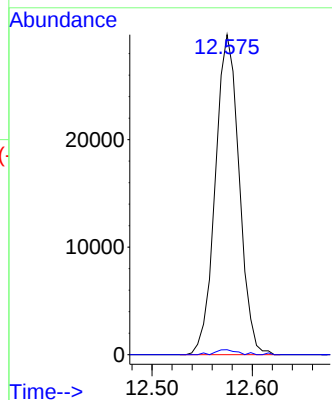
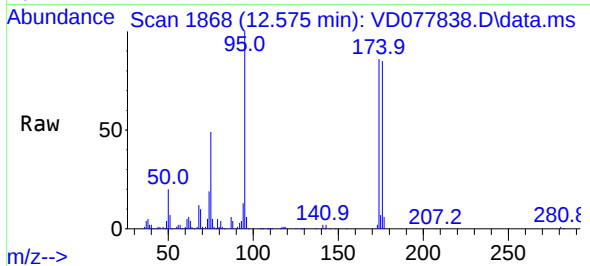




#76
1,2,3-Trichloropropane
Concen: 50.825 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

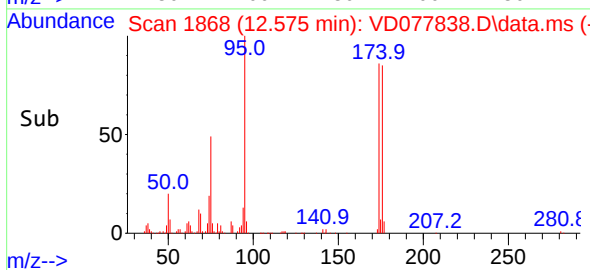
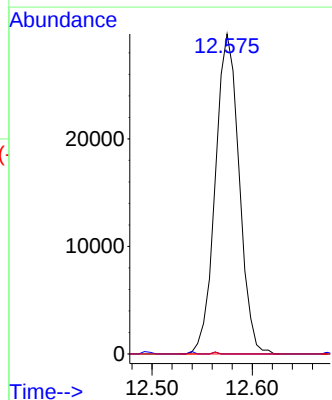
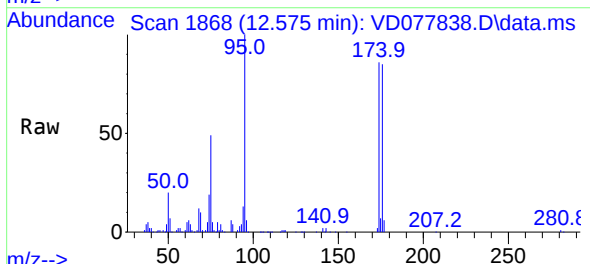
Instrument :
MSVOA_D
ClientSampleId :
TR-06-120723

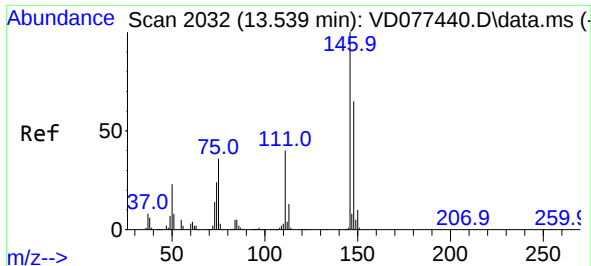
Tgt Ion: 75 Resp: 49138
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.976 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077838.D
Acq: 12 Dec 2023 13:30

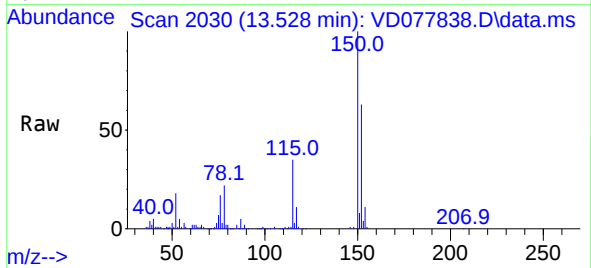
Tgt Ion: 75 Resp: 49138
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: VD077838.D
 Acq: 12 Dec 2023 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-120723



Tgt Ion:	146	Resp:	510
Ion	Ratio	Lower	Upper
146	100		
111	388.6	17.4	52.3#
148	142.2	31.7	95.1#

