

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074826.D
 Acq On : 09 Nov 2022 14:21
 Operator : VA/SY
 Sample : N5461-02RE
 Misc : 5.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TJRC-110222-G2RE

Quant Time: Nov 10 00:36:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

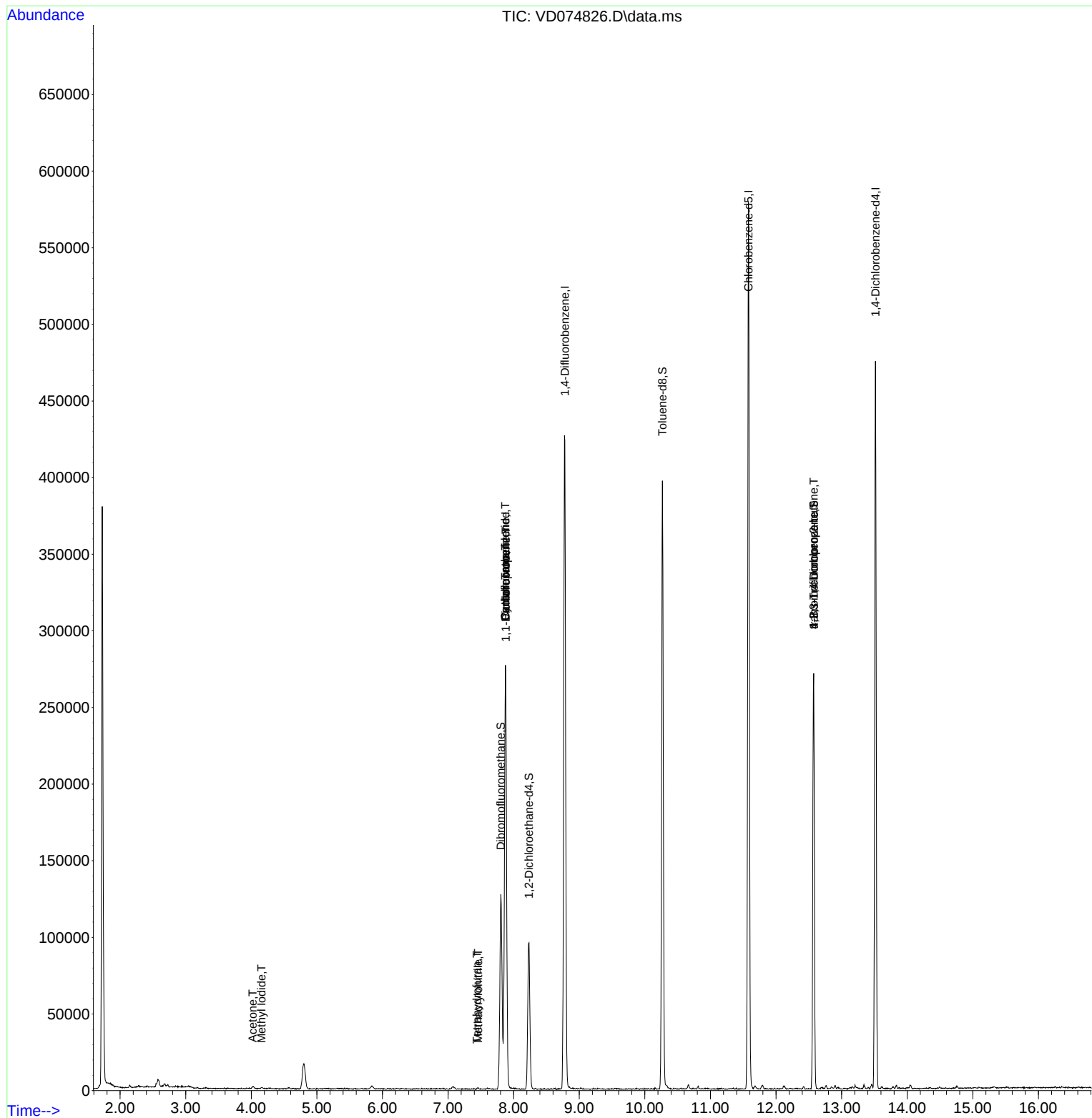
Internal Standards						
1) Pentafluorobenzene	7.875	168	225527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	422170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	362476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75703	42.382	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.760%		
35) Dibromofluoromethane	7.804	113	93418	37.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	74.820%		
50) Toluene-d8	10.269	98	286746	31.478	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	62.960%		
62) 4-Bromofluorobenzene	12.575	95	87505	33.269	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	66.540%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	1168	5.891	ug/l #	71
11) Tert butyl alcohol	5.040	59	63	Below Cal	#	84
16) Acetone	4.022	43	2671	7.166	ug/l	98
20) Methylene Chloride	4.805	84	14935	Below Cal		92
29) Tetrahydrofuran	7.440	42	676	2.300	ug/l #	35
31) Cyclohexane	7.875	56	4374	1.209	ug/l #	10
36) 1,1-Dichloropropene	7.881	75	16094	4.246	ug/l #	46
38) Carbon Tetrachloride	7.875	117	21055	5.863	ug/l #	18
41) Methacrylonitrile	7.457	41	129	4.284	ug/l #	32
58) 2-Chloroethyl Vinyl ether	9.863	63	133	Below Cal	#	42
76) 1,2,3-Trichloropropane	12.575	75	42707	40.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	42707	96.959	ug/l #	17

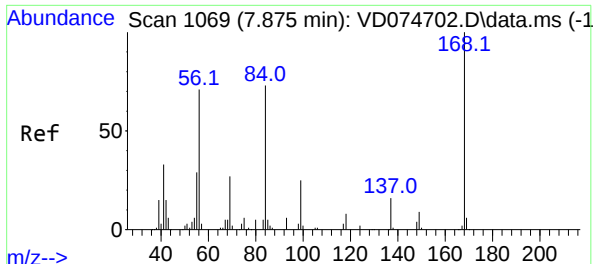
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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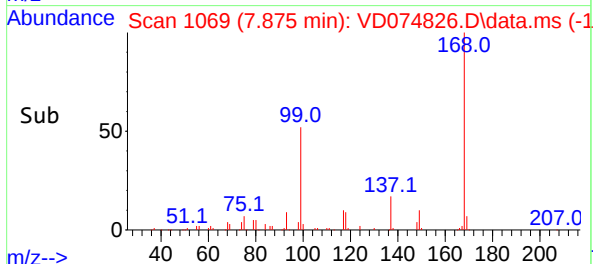
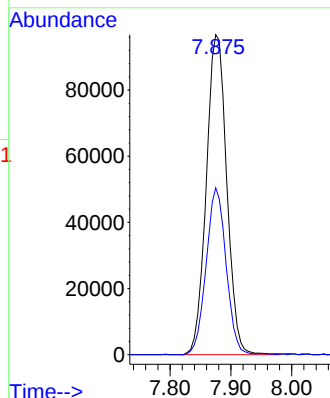
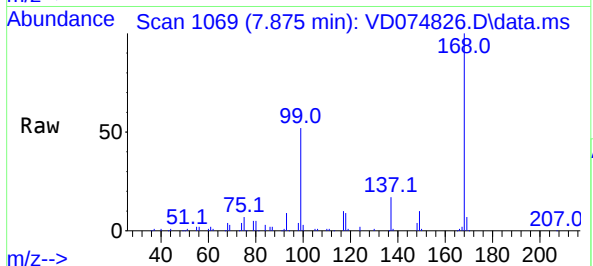




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

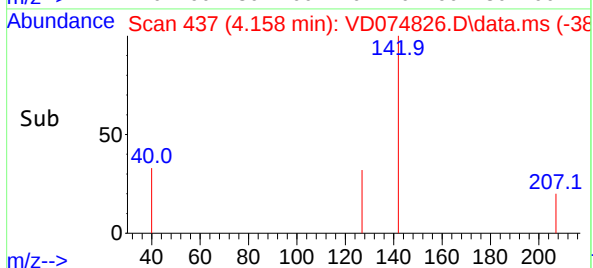
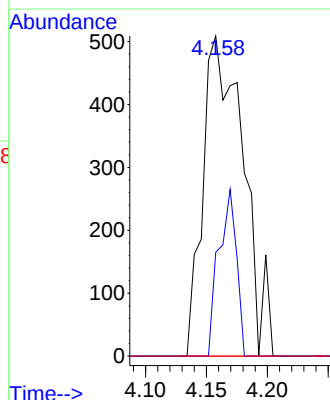
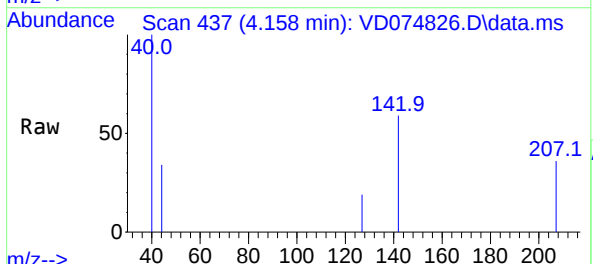
Instrument :
MSVOA_D
ClientSampleId :
TJRC-110222-G2RE

Tgt Ion:168 Resp: 225527
Ion Ratio Lower Upper
168 100
99 52.1 40.9 61.3



#10
Methyl Iodide
Concen: 5.891 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

Tgt Ion:142 Resp: 1168
Ion Ratio Lower Upper
142 100
127 23.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.040 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD074826.D

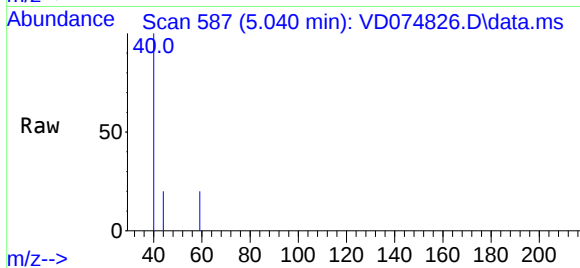
Acq: 09 Nov 2022 14:21

Instrument :

MSVOA_D

ClientSampleId :

TJRC-110222-G2RE

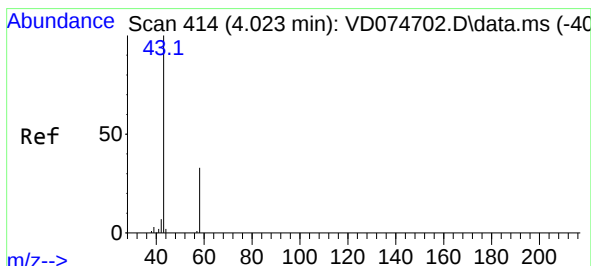
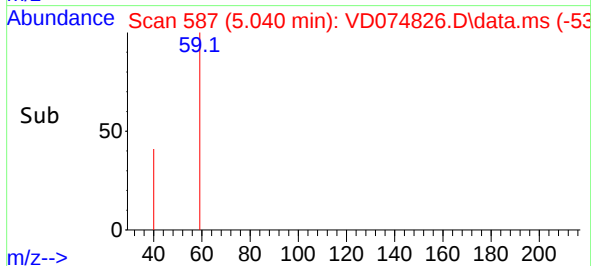
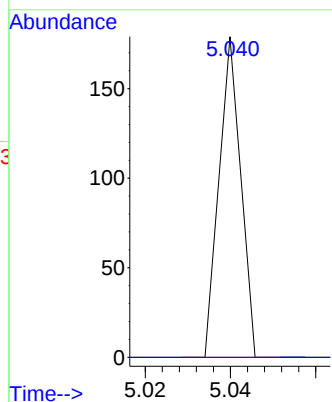


Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 7.166 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.001 min

Lab File: VD074826.D

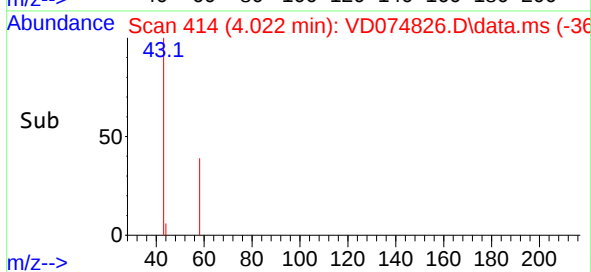
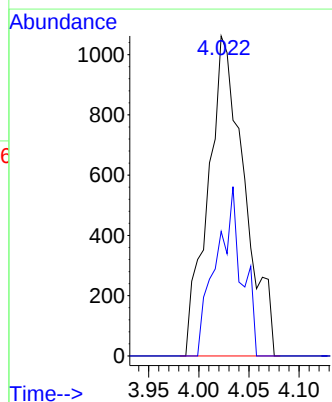
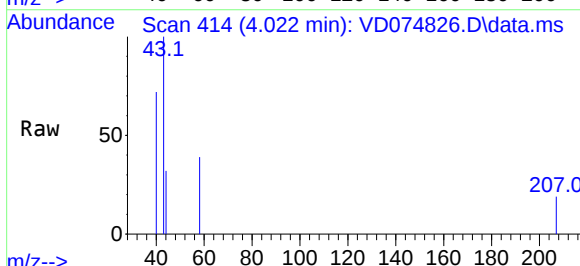
Acq: 09 Nov 2022 14:21

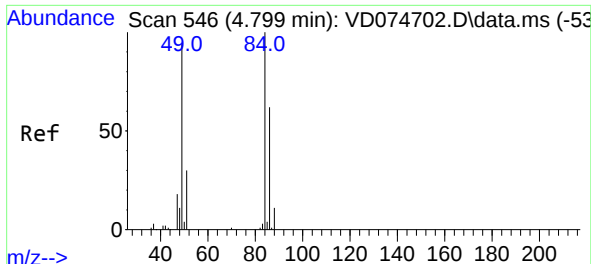
Tgt Ion: 43 Resp: 2671

Ion Ratio Lower Upper

43 100

58 38.9 30.2 45.2



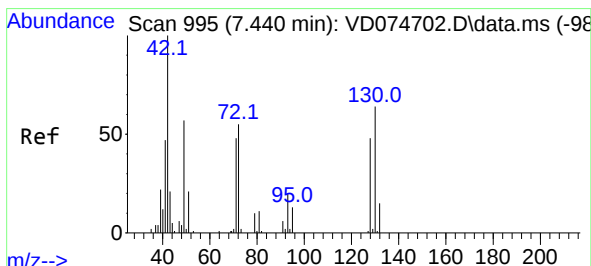
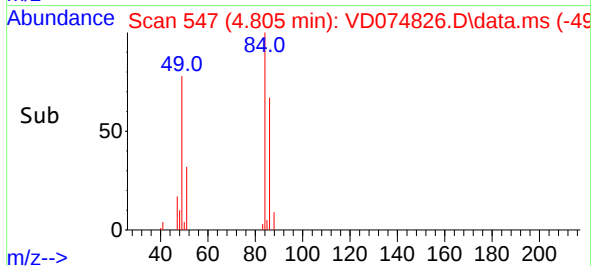
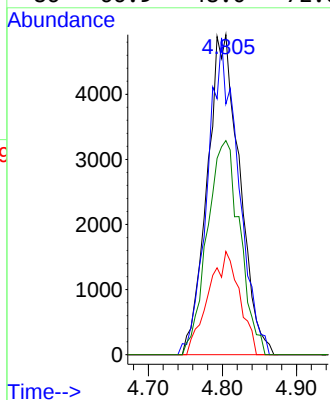
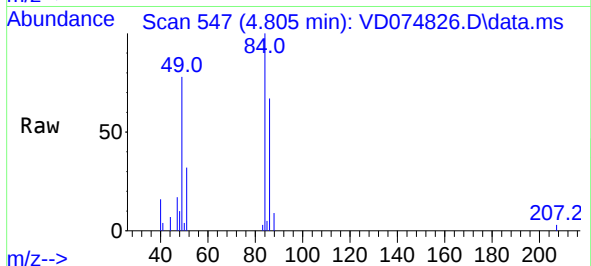


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

Instrument :
MSVOA_D
ClientSampleId :
TJRC-110222-G2RE

Tgt Ion: 84 Resp: 14935

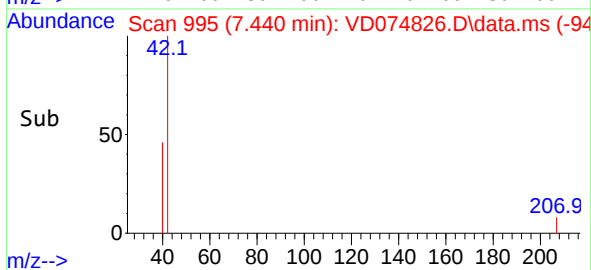
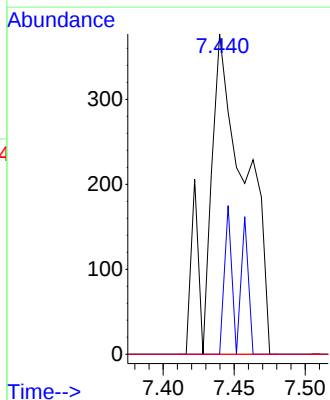
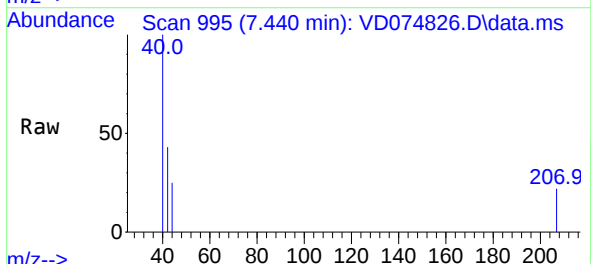
Ion	Ratio	Lower	Upper
84	100		
49	78.4	68.0	102.0
51	32.3	23.2	34.8
86	66.9	48.0	72.0

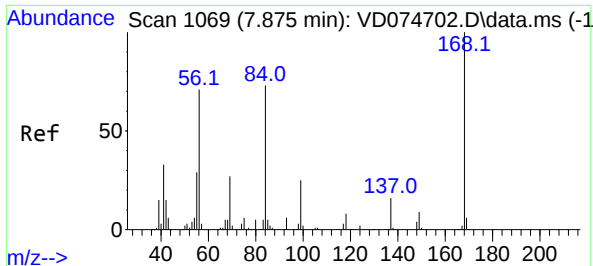


#29
Tetrahydrofuran
Concen: 2.300 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

Tgt Ion: 42 Resp: 676

Ion	Ratio	Lower	Upper
42	100		
72	17.6	45.8	68.6#
71	0.0	44.6	66.8#

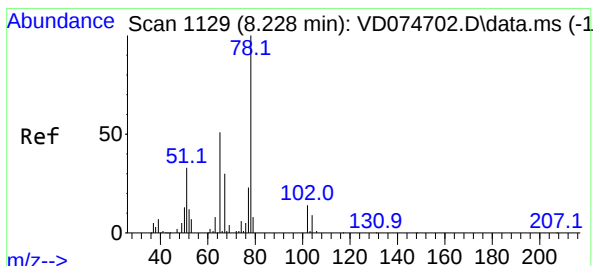
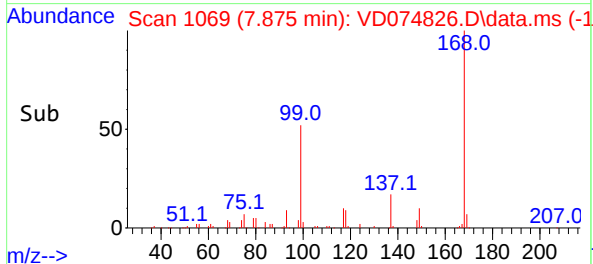
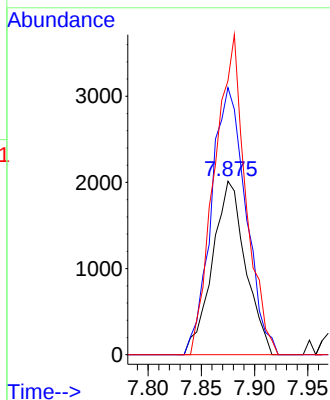
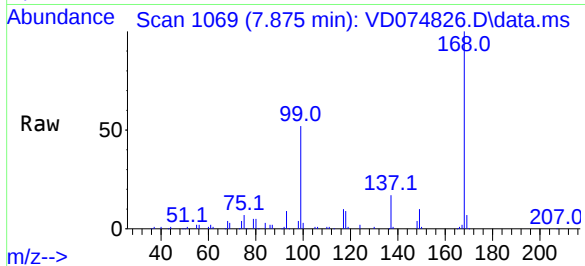




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

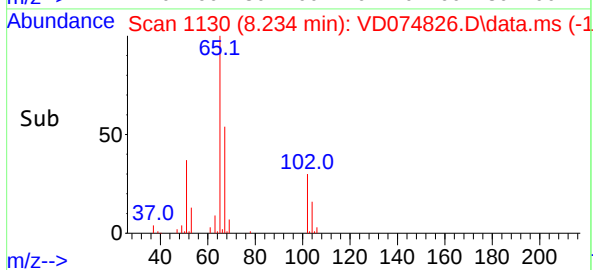
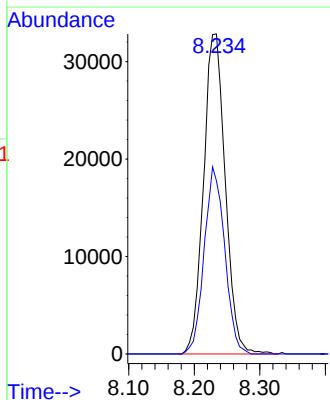
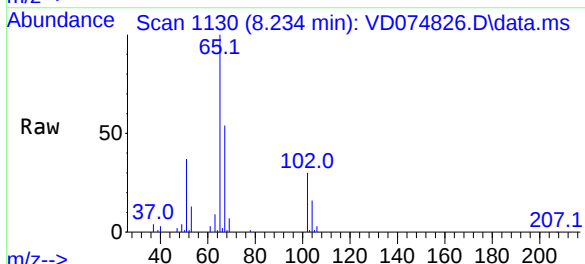
Instrument :
MSVOA_D
ClientSampleId :
TJRC-110222-G2RE

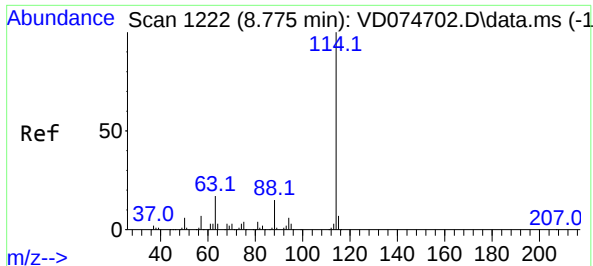
Tgt Ion: 56 Resp: 4374
Ion Ratio Lower Upper
56 100
69 153.9 29.2 43.8#
84 157.9 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 42.382 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

Tgt Ion: 65 Resp: 75703
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074826.D

Acq: 09 Nov 2022 14:21

Instrument :

MSVOA_D

ClientSampleId :

TJRC-110222-G2RE

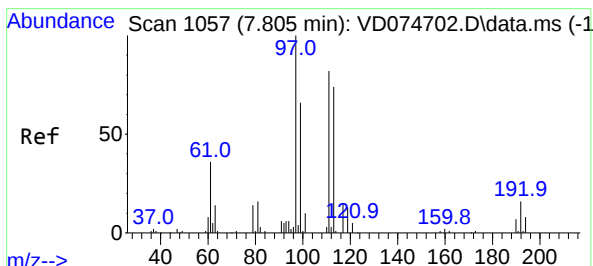
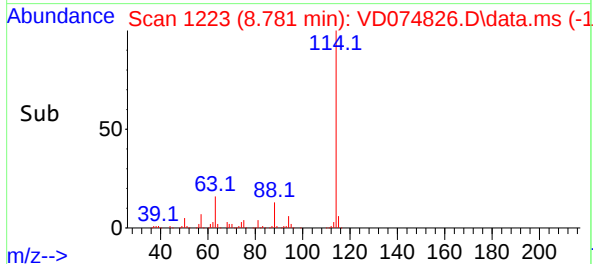
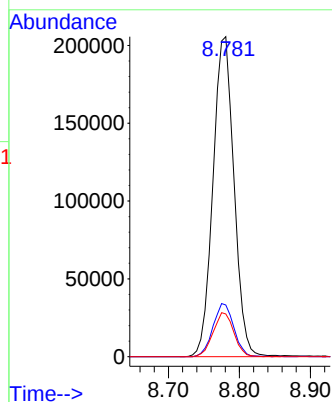
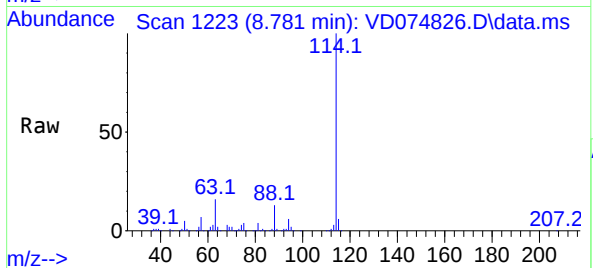
Tgt Ion:114 Resp: 422170

Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.2

88 13.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 37.408 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074826.D

Acq: 09 Nov 2022 14:21

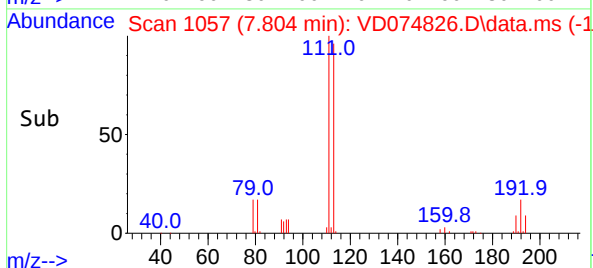
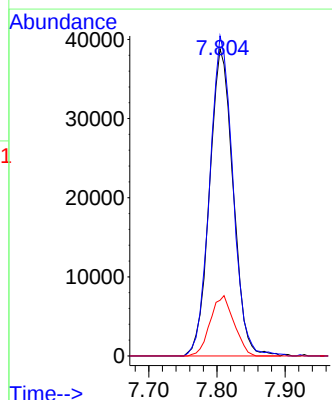
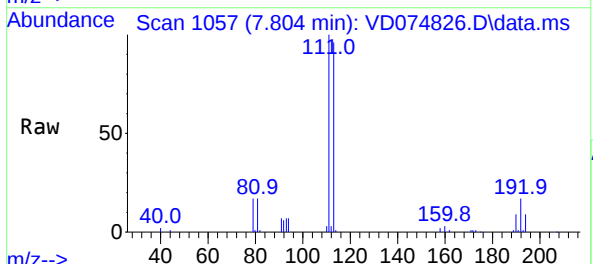
Tgt Ion:113 Resp: 93418

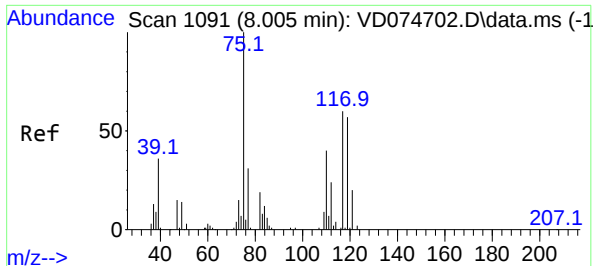
Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

192 19.8 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.246 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD074826.D

Acq: 09 Nov 2022 14:21

Instrument :

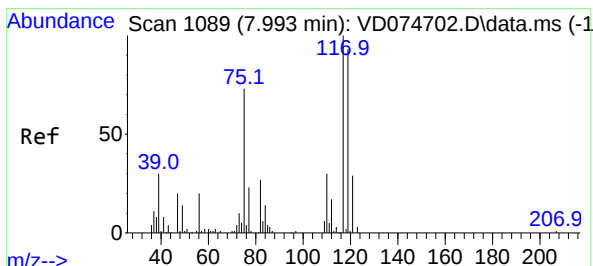
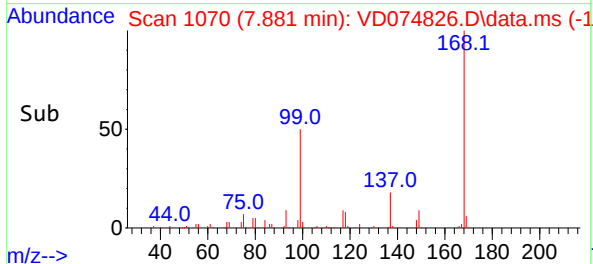
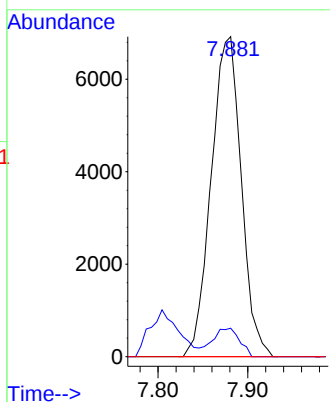
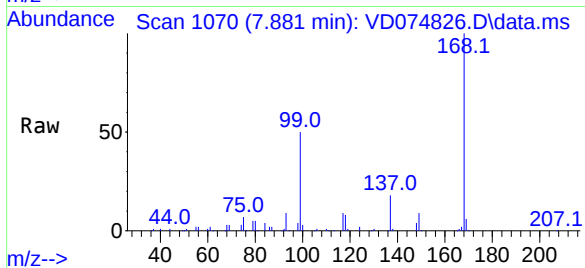
MSVOA_D

ClientSampleId :

TJRC-110222-G2RE

Tgt Ion: 75 Resp: 16094

Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 5.863 ug/l

RT: 7.875 min Scan# 1069

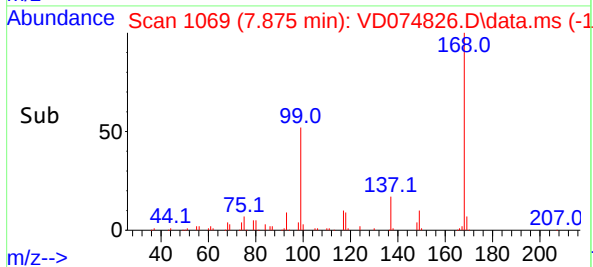
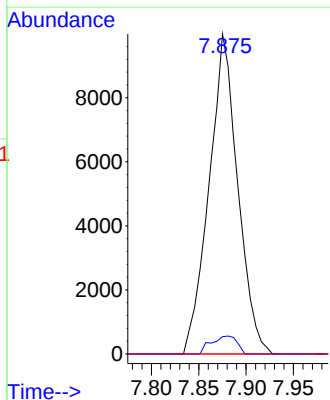
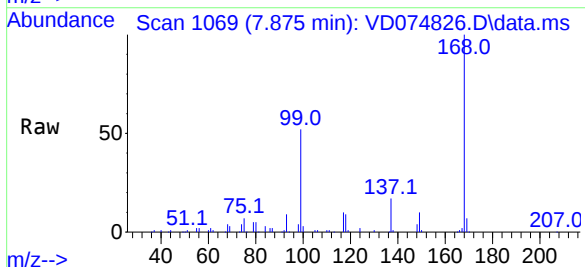
Delta R.T. -0.118 min

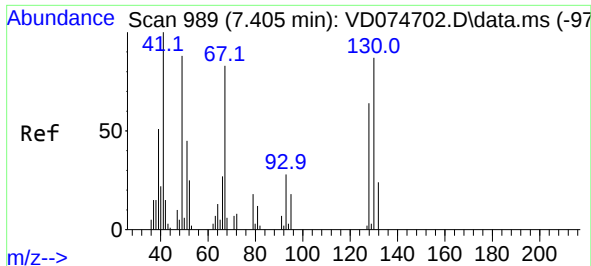
Lab File: VD074826.D

Acq: 09 Nov 2022 14:21

Tgt Ion: 117 Resp: 21055

Ion	Ratio	Lower	Upper
117	100		
119	5.4	73.1	109.7#
121	0.0	25.0	37.6#

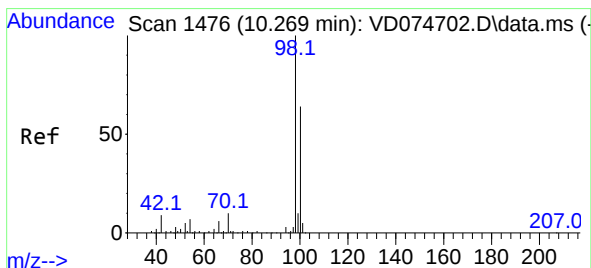
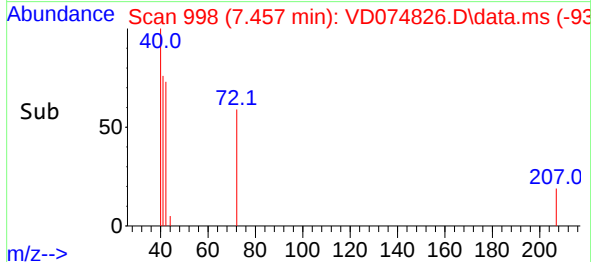
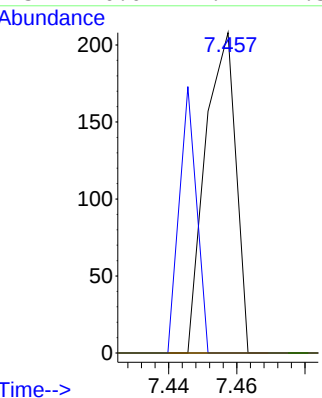
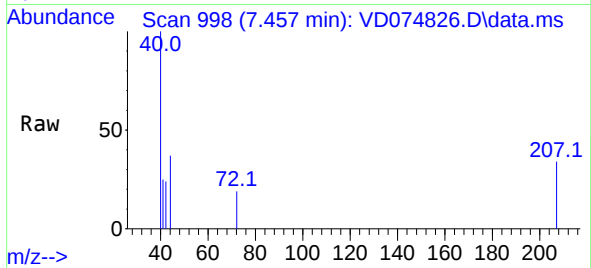




#41
Methacrylonitrile
Concen: 4.284 ug/l
RT: 7.457 min Scan# 989
Delta R.T. 0.052 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

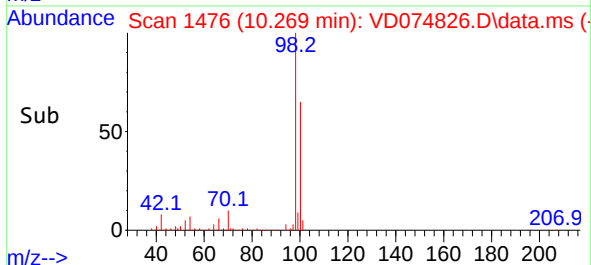
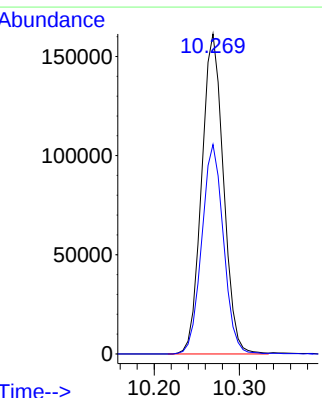
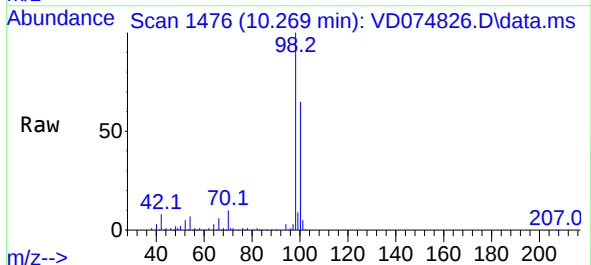
Instrument :
MSVOA_D
ClientSampleId :
TJRC-110222-G2RE

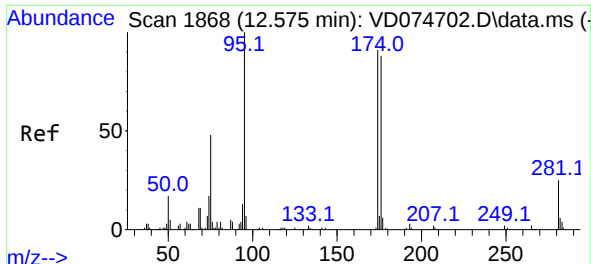
Tgt Ion: 41	Resp:	129
Ion	Ratio	Lower Upper
41	100	
39	47.3	35.0 52.6
67	0.0	77.0 115.6#
52	0.0	29.7 44.5#



#50
Toluene-d8
Concen: 31.478 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

Tgt Ion: 98	Resp:	286746
Ion	Ratio	Lower Upper
98	100	
100	65.4	51.4 77.0

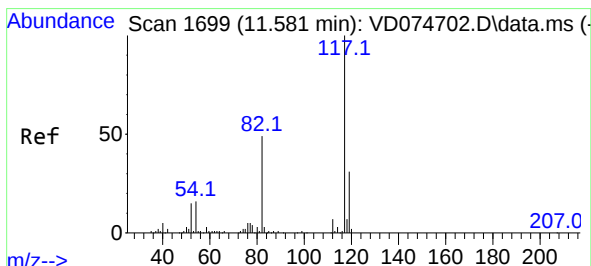
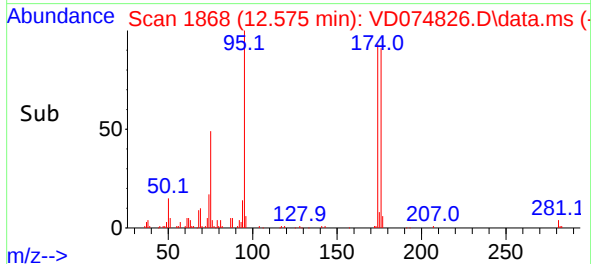
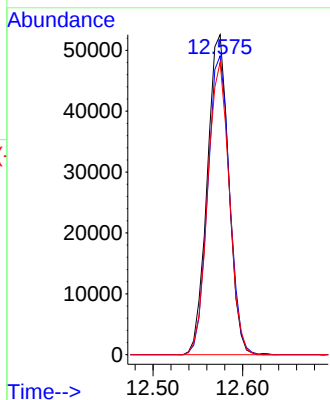
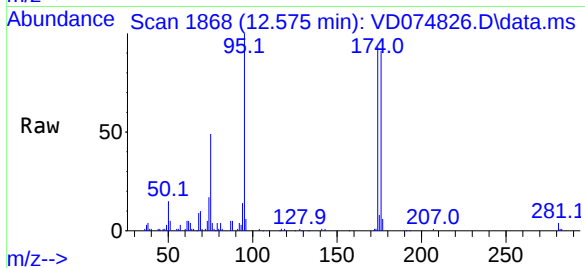




#62
4-Bromofluorobenzene
Concen: 33.269 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

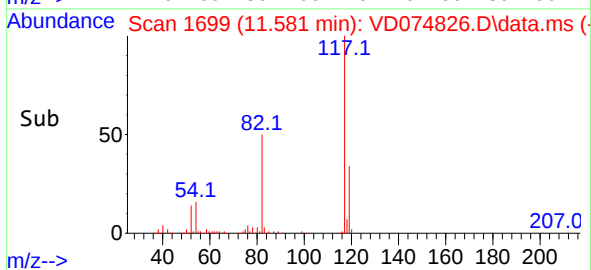
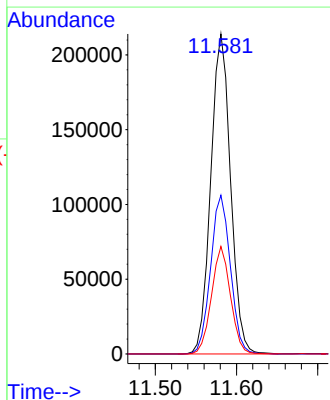
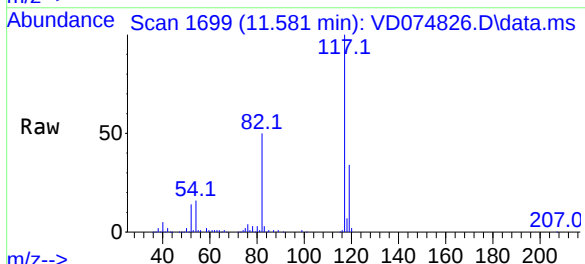
Instrument :
MSVOA_D
ClientSampleId :
TJRC-110222-G2RE

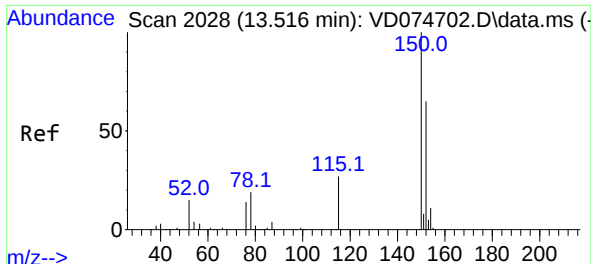
Tgt Ion:	95	Resp:	87505
Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	197.0
176	91.5	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

Tgt Ion:	117	Resp:	362476
Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.6	62.4
119	33.6	25.2	37.8

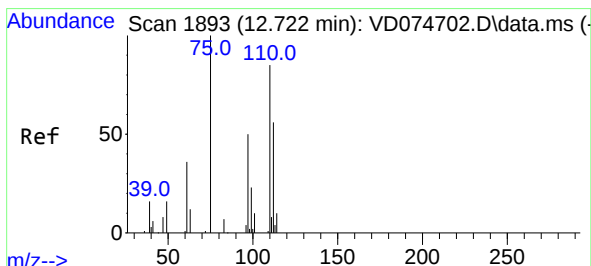
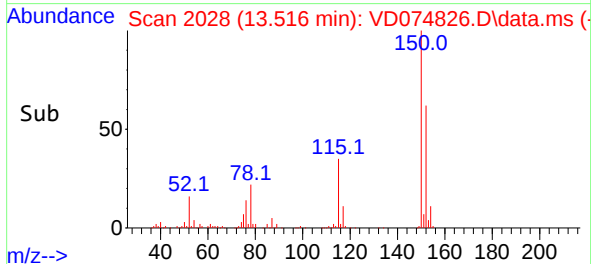
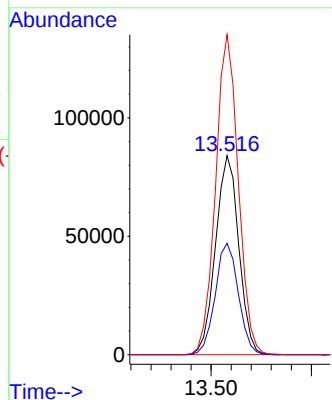
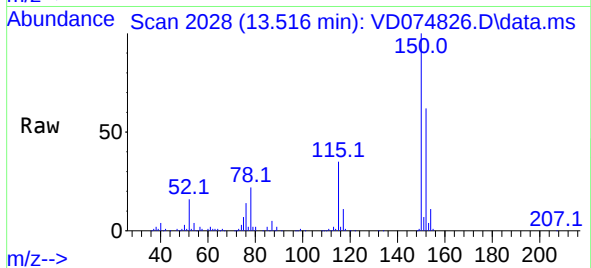




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

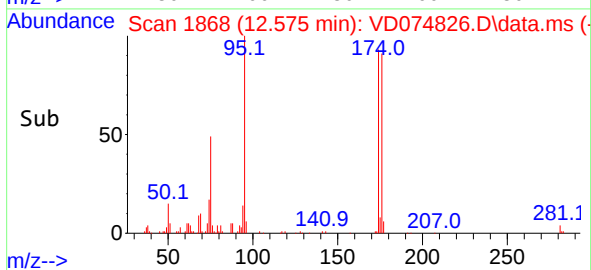
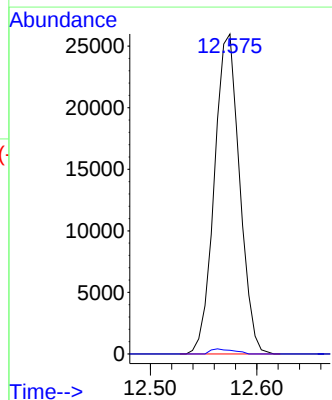
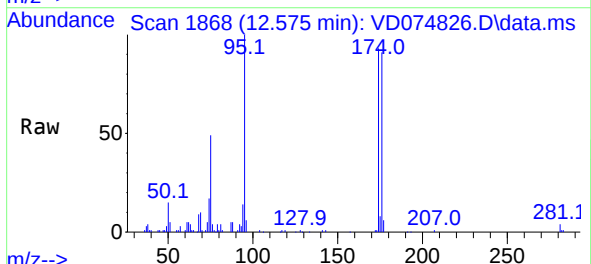
Instrument :
MSVOA_D
ClientSampleId :
TJRC-110222-G2RE

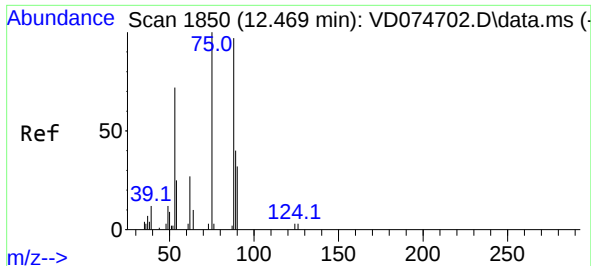
Tgt Ion:152 Resp: 134874
Ion Ratio Lower Upper
152 100
115 55.9 26.8 80.4
150 157.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 40.846 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

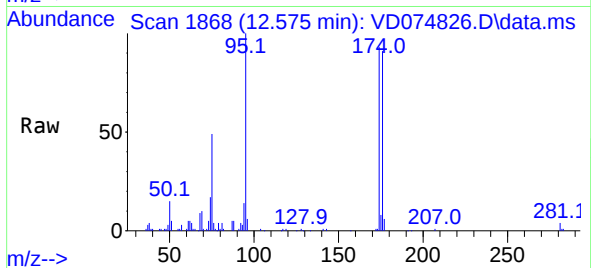
Tgt Ion: 75 Resp: 42707
Ion Ratio Lower Upper
75 100
77 1.5 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.959 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074826.D
Acq: 09 Nov 2022 14:21

Instrument :
MSVOA_D
ClientSampleId :
TJRC-110222-G2RE



Tgt Ion: 75 Resp: 42707
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

