

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U111824\
 Data File : VU061834.D
 Acq On : 19 Nov 2024 00:58
 Operator : MD/SY
 Sample : P4885-05
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q1

Quant Time: Nov 19 03:41:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 19 03:37:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	162064	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	197628	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73424	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	35946	3.433	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.600%
7) Chloroethane-d5	1.907	69	51726	5.786	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.800%
11) 1,1-Dichloroethene-d2	2.560	65	16997	3.618	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	4.611	46	112554	50.642	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.280%
24) Chloroform-d	5.052	84	94592	4.545	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.692	65	48301	4.836	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.717	84	189654	3.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.400%#
36) 1,2-Dichloropropane-d6	6.679	67	60609	3.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.200%
41) Toluene-d8	7.888	98	167774	3.292	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.800%#
43) trans-1,3-Dichloroprop...	8.171	79	19175	3.228	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.600%
46) 2-Hexanone-d5	8.624	63	97338	41.471	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.940%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	50618	3.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.600%
66) 1,2-Dichlorobenzene-d4	12.183	152	64357	4.921	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.132	101	88903	5.015	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	146809	14.009	ug/L	97
12) 1,1-Dichloroethene	2.573	96	21599	2.208	ug/L #	82
16) Methylene chloride	3.036	84	307840	27.304	ug/L	99
19) 1,1-Dichloroethane	3.859	63	129673	6.628	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	12698	1.049	ug/L	91
25) Chloroform	5.078	83	12520	0.607	ug/L	96
27) 1,2-Dichloroethane	5.785	62	28770	2.223	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	1296089	57.632	ug/L	100
33) Benzene	5.769	78	12213	0.204	ug/L	100
34) Trichloroethene	6.531	95	212814	13.177	ug/L	98
42) Toluene	7.958	91	869432	13.501	ug/L	99
47) Tetrachloroethene	8.544	164	1989216	163.912	ug/L	99
51) Chlorobenzene	9.438	112	447716	10.801	ug/L	99
52) Ethylbenzene	9.560	91	465211	6.782	ug/L	99
53) m,p-Xylene	9.682	106	367875	14.015	ug/L	97
54) o-Xylene	10.093	106	62992	2.469	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	18817	1.398	ug/L	96
65) 1,4-Dichlorobenzene	11.826	146	31708	1.337	ug/L	98

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QLast Update : Tue Nov 19 03:37:44 2024
Response via : Initial Calibration

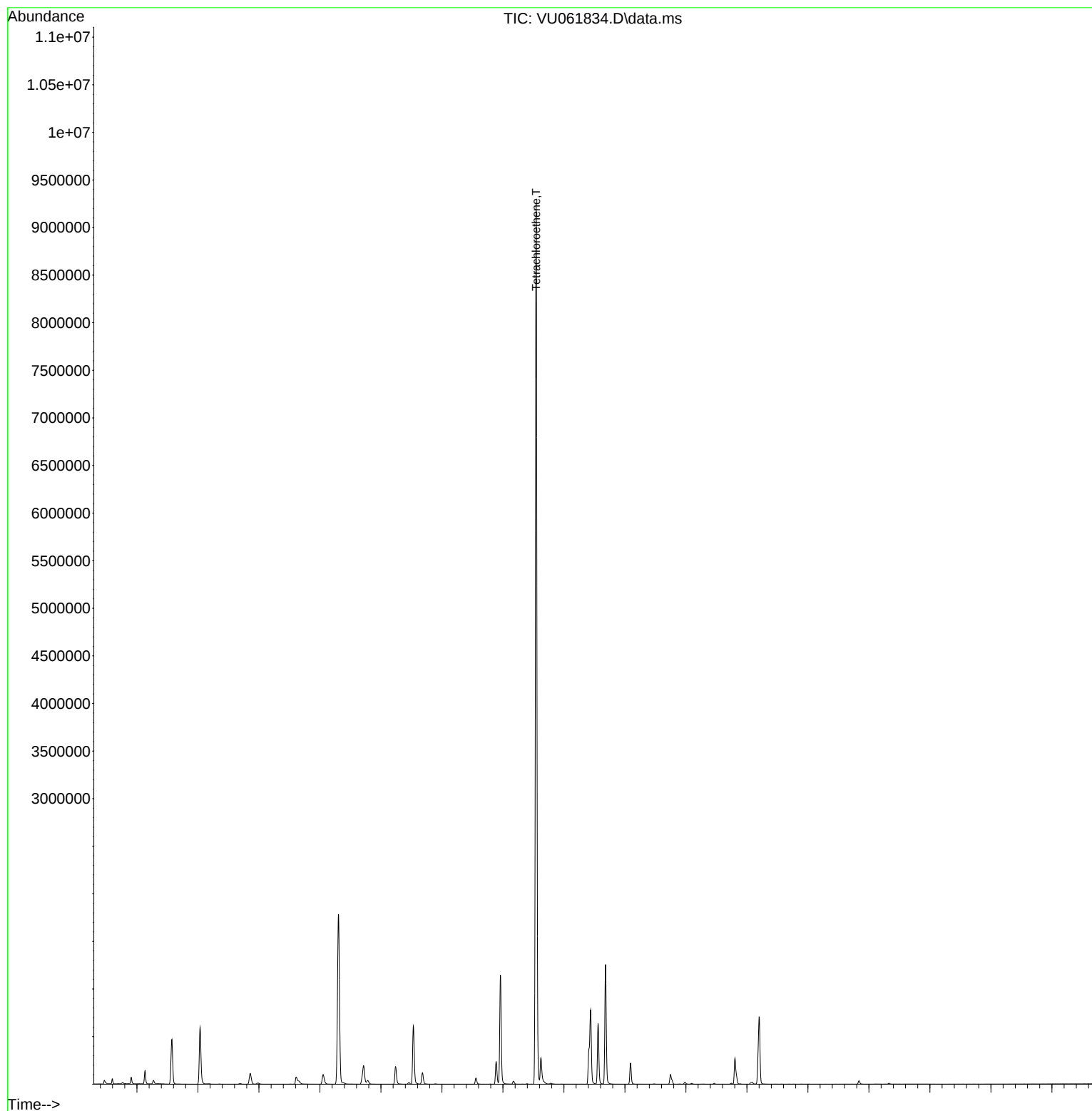
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.203	146	276325	12.724	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	13304	1.053	ug/L	99

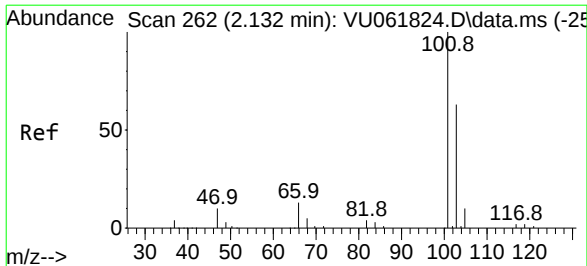
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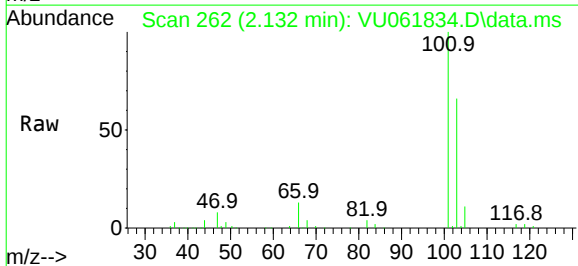
Quant Time: Nov 19 03:41:16 2024
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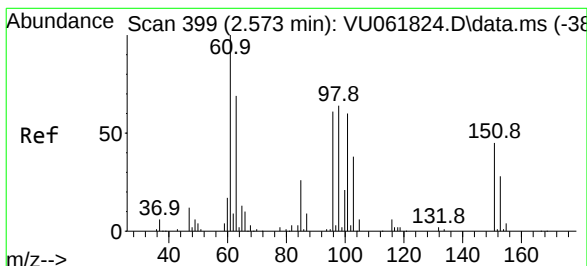
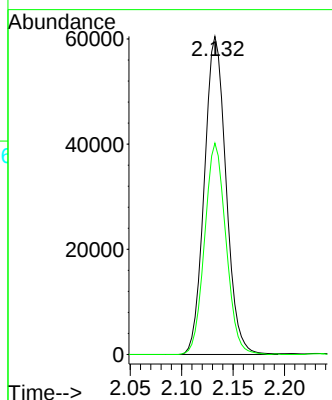
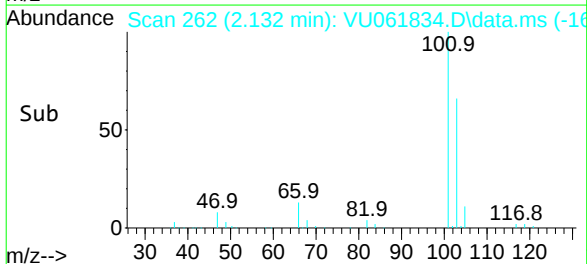


#9
Trichlorofluoromethane
Concen: 5.015 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

Instrument :
MSVOA_U
ClientSampleId :
BG3Q1

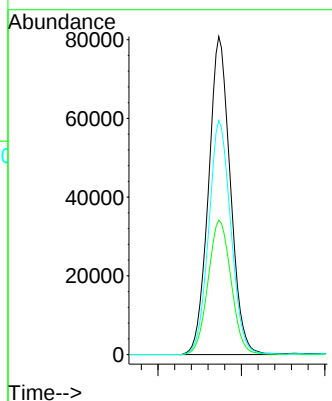
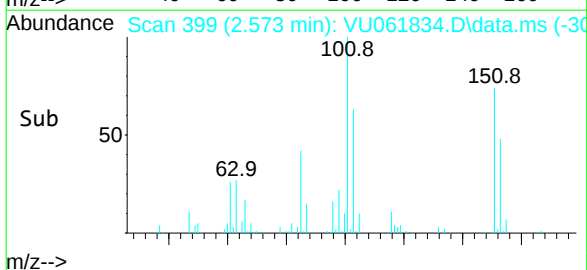
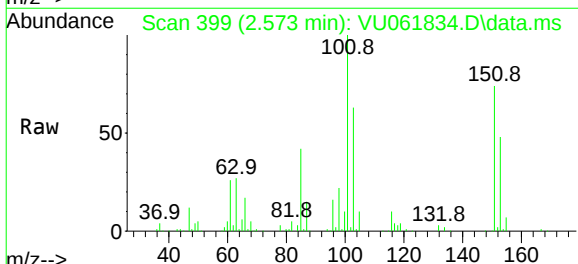


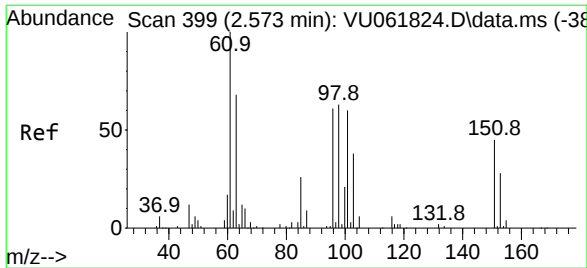
Tgt Ion:101 Resp: 88903
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 14.009 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

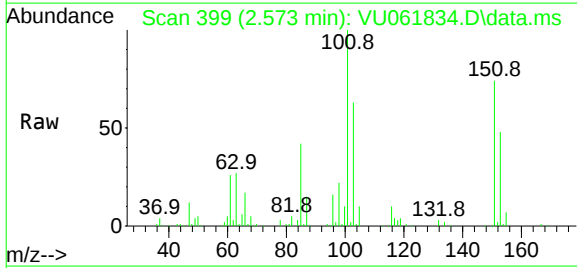
Tgt Ion:101 Resp: 146809
Ion Ratio Lower Upper
101 100
85 44.5 35.1 52.7
151 74.8 56.9 85.3



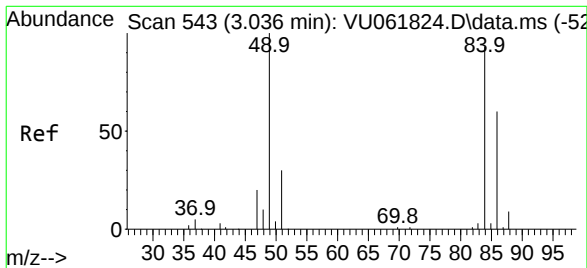
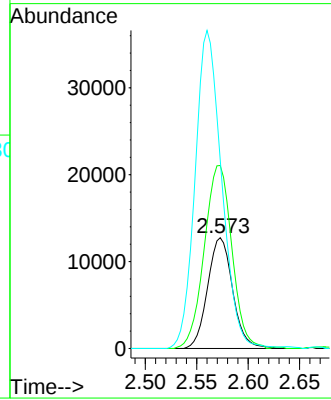
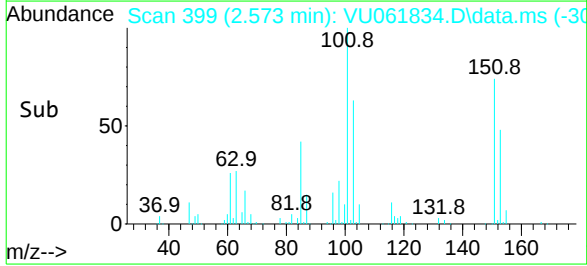


#12
1,1-Dichloroethene
Concen: 2.208 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

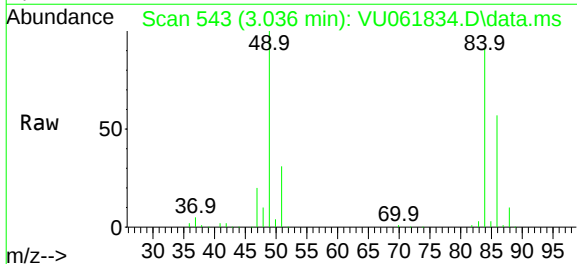
Instrument :
MSVOA_U
ClientSampleId :
BG3Q1



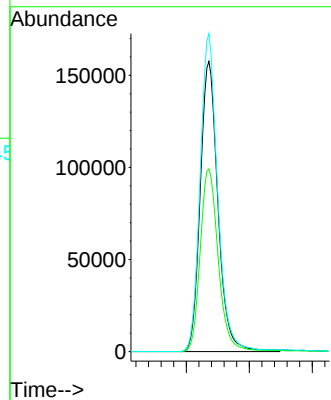
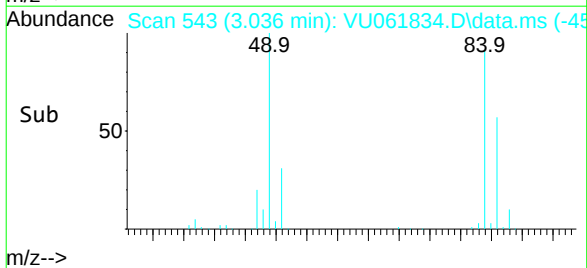
Tgt Ion: 96 Resp: 21599
Ion Ratio Lower Upper
96 100
61 165.2 116.8 217.0
63 170.1 86.1 159.9#

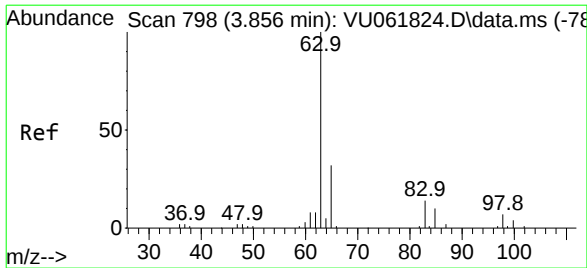


#16
Methylene chloride
Concen: 27.304 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58



Tgt Ion: 84 Resp: 307840
Ion Ratio Lower Upper
84 100
86 62.9 45.1 83.7
49 109.6 76.3 141.7

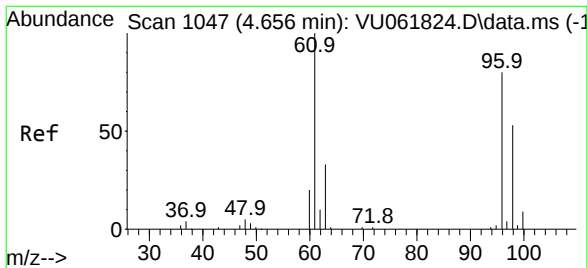
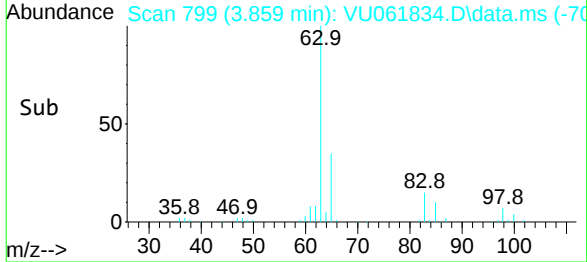
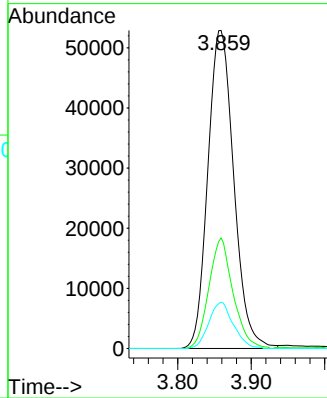
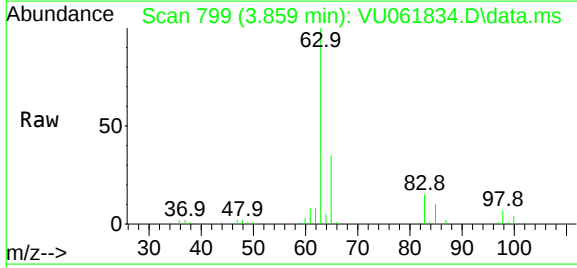




#19
1,1-Dichloroethane
Concen: 6.628 ug/L
RT: 3.859 min Scan# 798
Delta R.T. 0.003 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

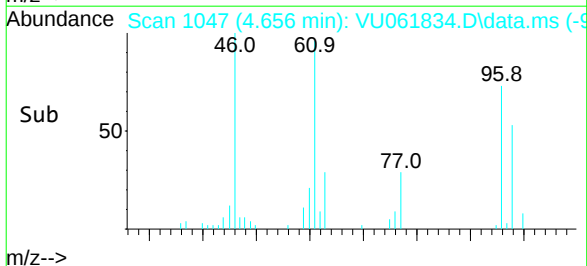
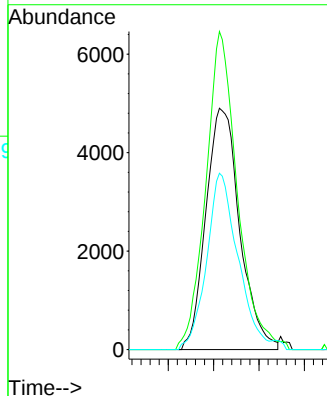
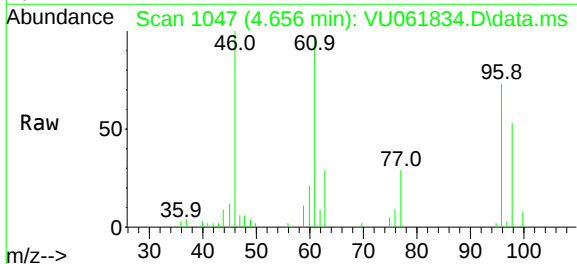
Instrument :
MSVOA_U
ClientSampleId :
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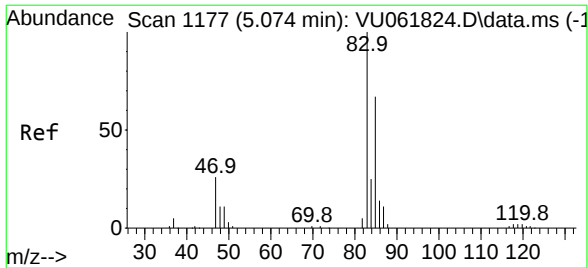
Tgt Ion: 63 Resp: 129673
Ion Ratio Lower Upper
63 100
65 34.7 23.4 43.4
83 14.6 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 1.049 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

Tgt Ion: 96 Resp: 12698
Ion Ratio Lower Upper
96 100
61 131.8 85.6 159.0
98 73.1 45.6 84.8

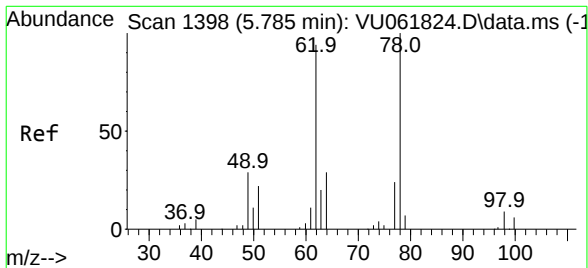
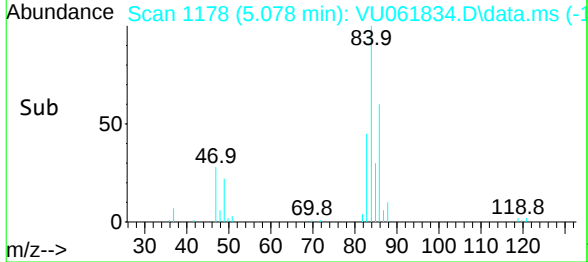
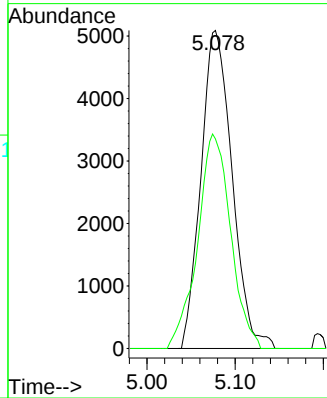
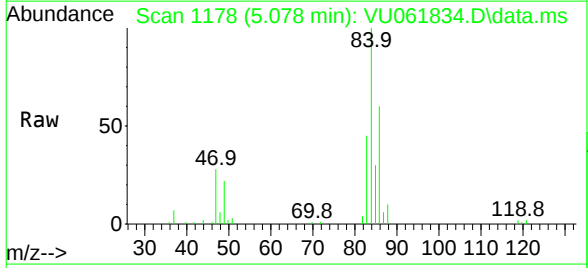




#25
Chloroform
Concen: 0.607 ug/L
RT: 5.078 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

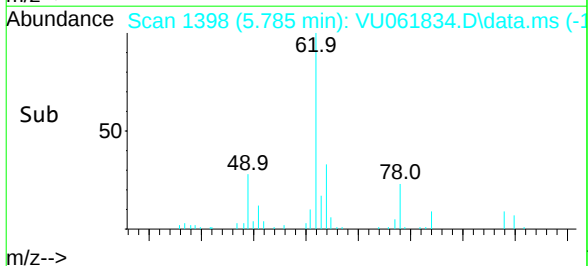
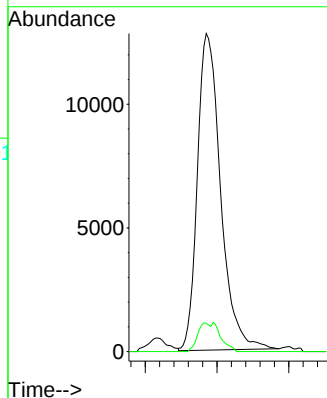
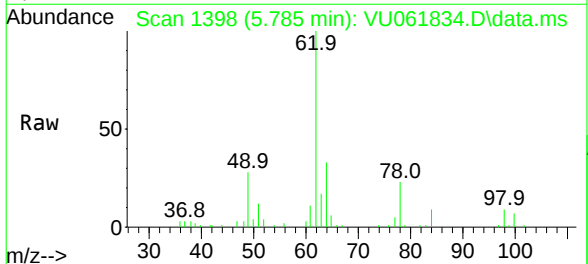
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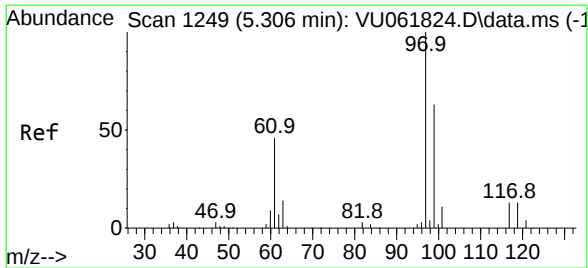
Tgt Ion: 83 Resp: 12520
Ion Ratio Lower Upper
83 100
85 65.9 44.1 81.9



#27
1,2-Dichloroethane
Concen: 2.223 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

Tgt Ion: 62 Resp: 28770
Ion Ratio Lower Upper
62 100
98 8.9 7.7 11.5

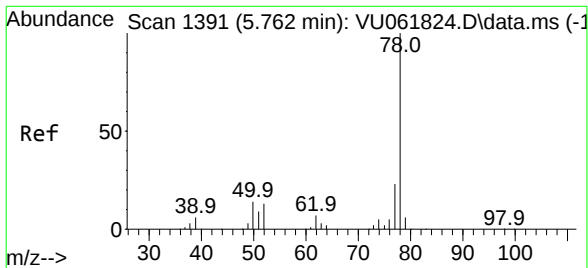
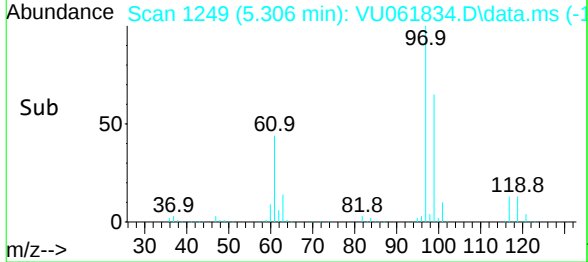
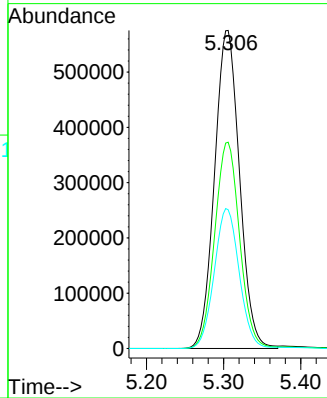
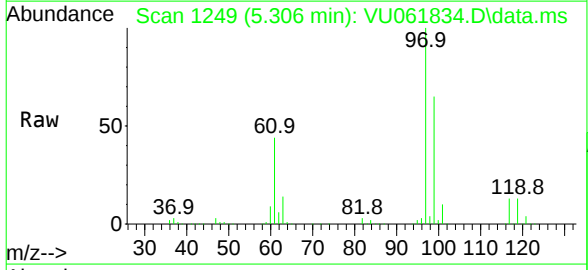




#29
1,1,1-Trichloroethane
Concen: 57.632 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

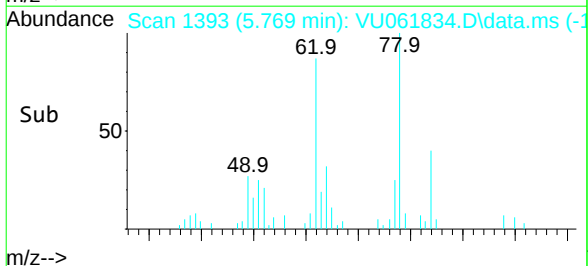
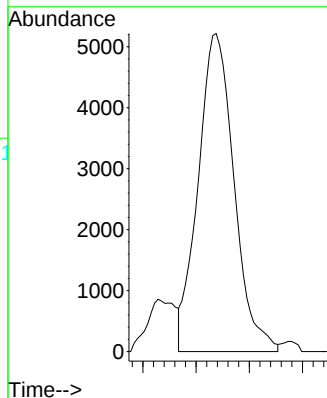
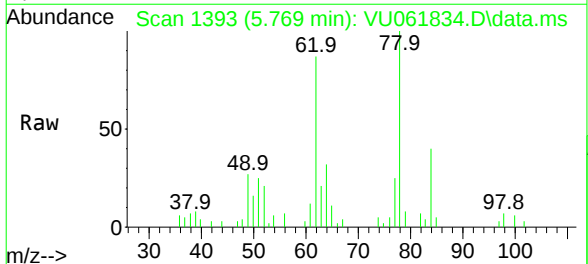
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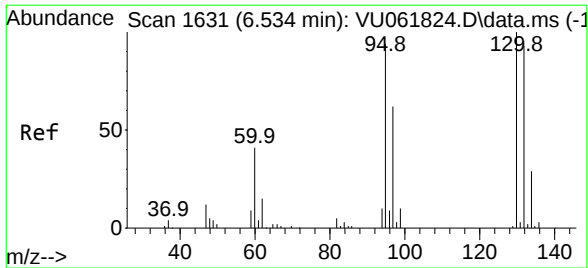
Tgt Ion: 97 Resp: 1296089
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 44.2 35.4 53.0



#33
Benzene
Concen: 0.204 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

Tgt Ion: 78 Resp: 12213

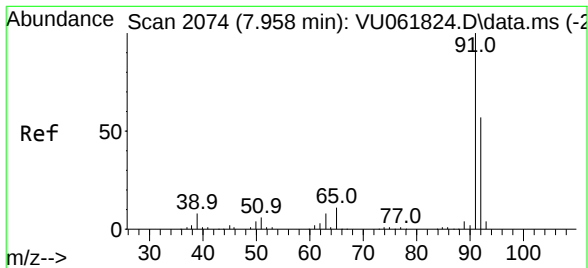
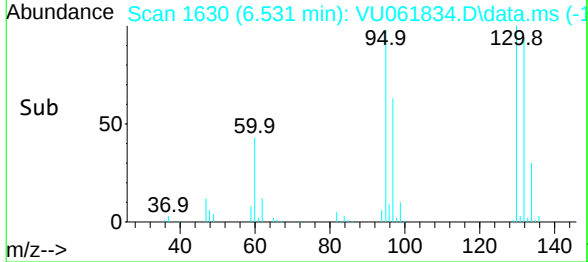
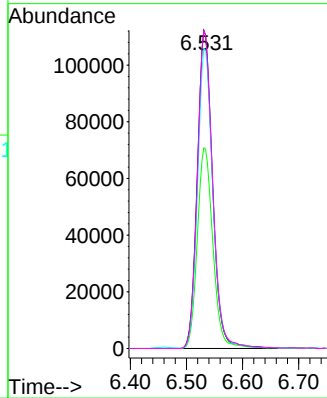
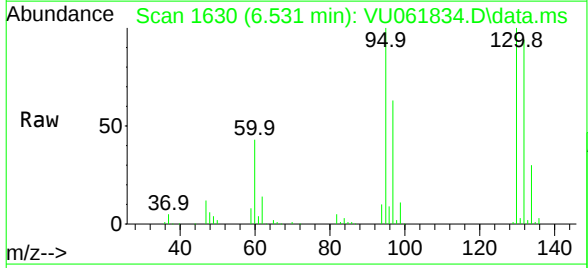




#34
Trichloroethene
Concen: 13.177 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

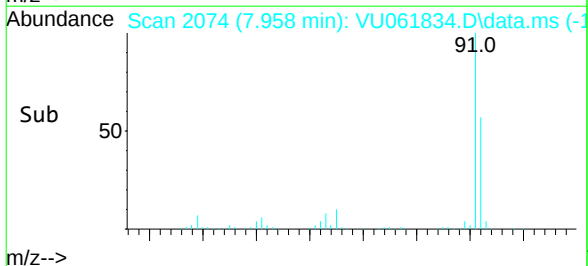
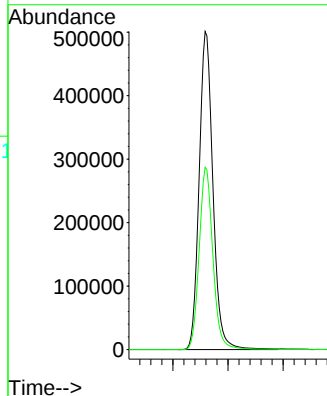
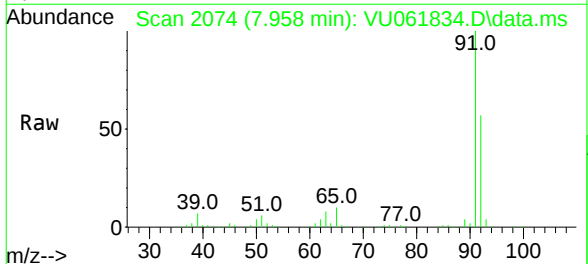
Instrument :
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ClientSampleId :
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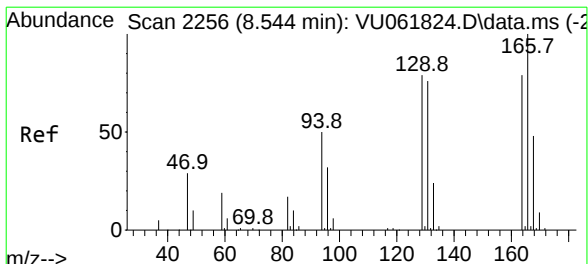
Tgt Ion:	95	Resp:	212814
Ion	Ratio	Lower	Upper
95	100		
97	63.1	43.5	80.9
132	94.1	65.2	121.0
130	99.9	67.5	125.3



#42
Toluene
Concen: 13.501 ug/L
RT: 7.958 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

Tgt Ion:	91	Resp:	869432
Ion	Ratio	Lower	Upper
91	100		
92	57.3	39.7	73.7



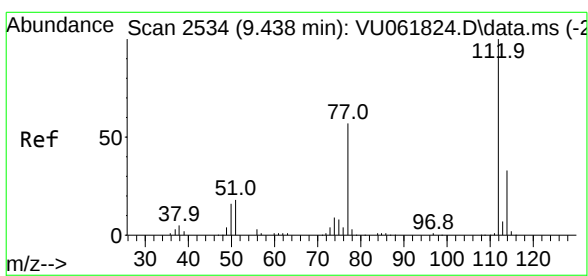
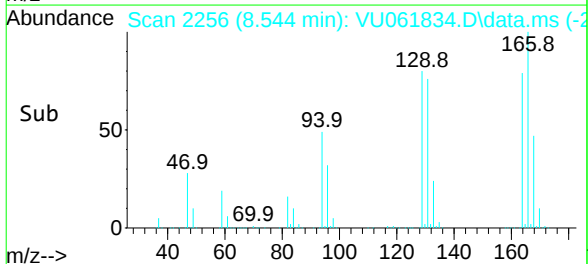
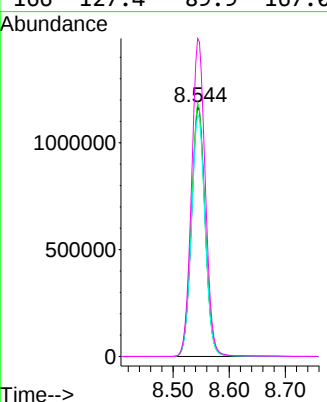
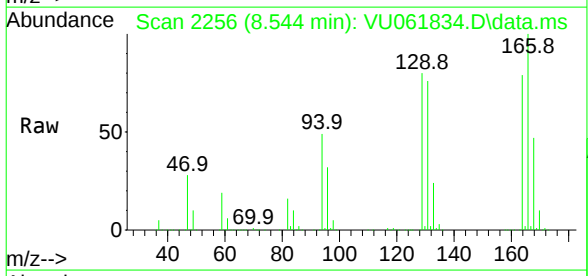


#47
 Tetrachloroethene
 Concen: 163.912 ug/L
 RT: 8.544 min Scan# 2256
 Delta R.T. 0.000 min
 Lab File: VU061834.D
 Acq: 19 Nov 2024 00:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q1

Tgt Ion:164 Resp: 1989216

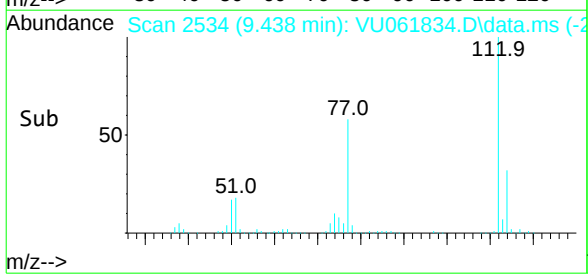
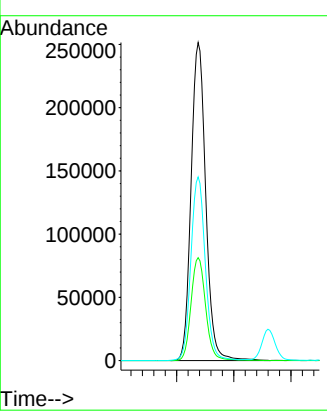
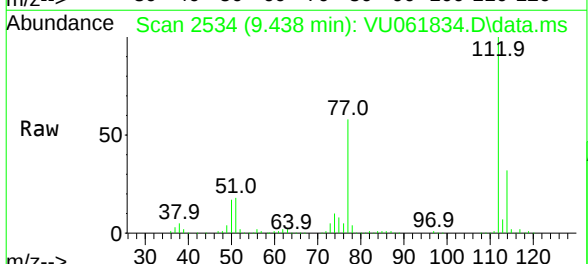
Ion	Ratio	Lower	Upper
164	100		
129	101.6	71.7	133.3
131	96.9	68.2	126.6
166	127.4	89.9	167.0

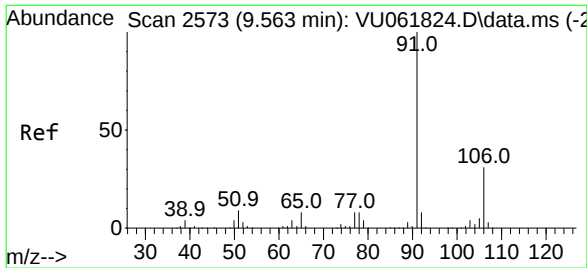


#51
 Chlorobenzene
 Concen: 10.801 ug/L
 RT: 9.438 min Scan# 2534
 Delta R.T. 0.000 min
 Lab File: VU061834.D
 Acq: 19 Nov 2024 00:58

Tgt Ion:112 Resp: 447716

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.9
77	57.8	45.3	67.9

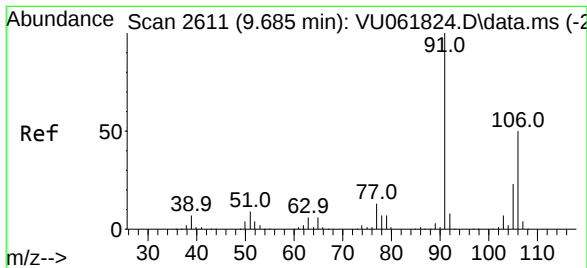
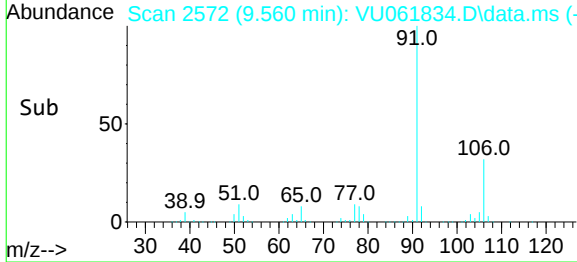
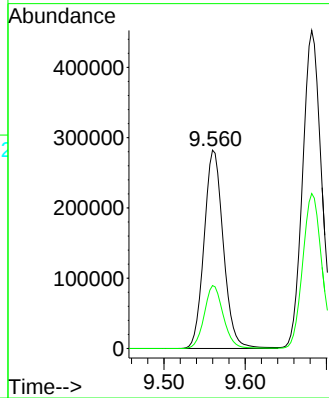
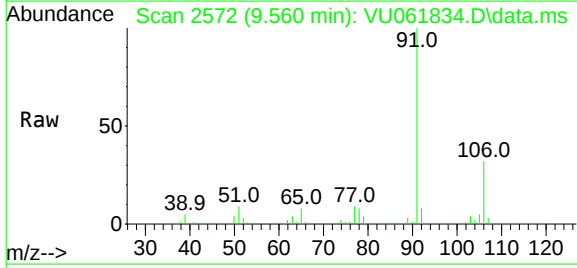




#52
Ethylbenzene
Concen: 6.782 ug/L
RT: 9.560 min Scan# 2573
Delta R.T. -0.003 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

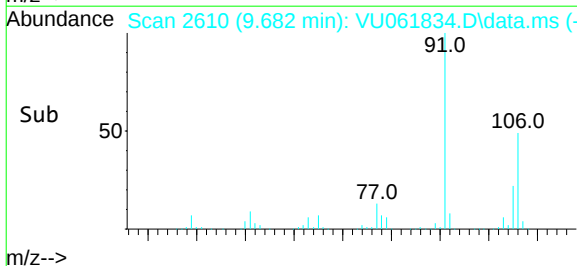
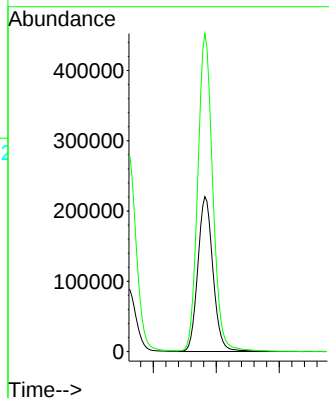
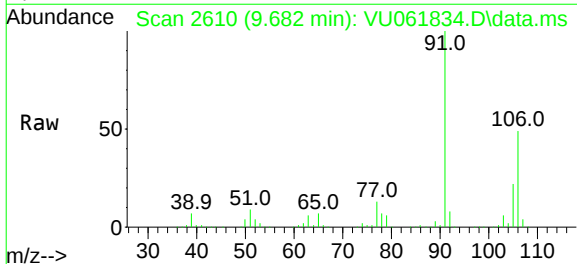
Instrument :
MSVOA_U
ClientSampleId :
BG3Q1

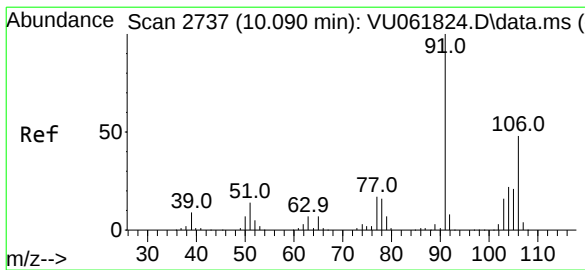
Tgt Ion: 91 Resp: 465211
Ion Ratio Lower Upper
91 100
106 31.7 21.7 40.3



#53
m,p-Xylene
Concen: 14.015 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

Tgt Ion: 106 Resp: 367875
Ion Ratio Lower Upper
106 100
91 205.2 140.4 260.8





#54

o-Xylene

Concen: 2.469 ug/L

RT: 10.093 min Scan# 27

Delta R.T. 0.003 min

Lab File: VU061834.D

Acq: 19 Nov 2024 00:58

Instrument :

MSVOA_U

ClientSampleId :

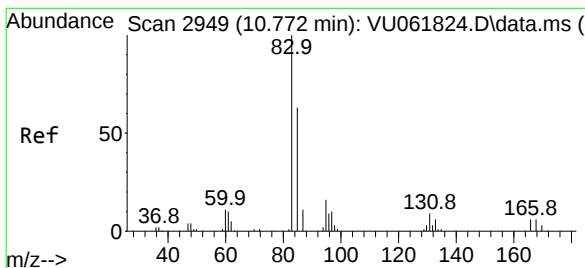
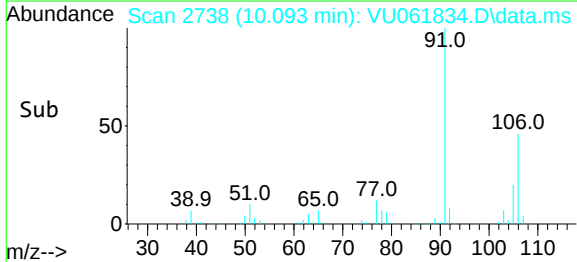
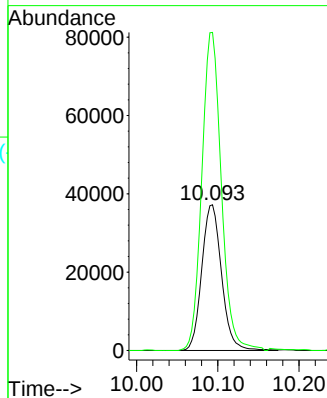
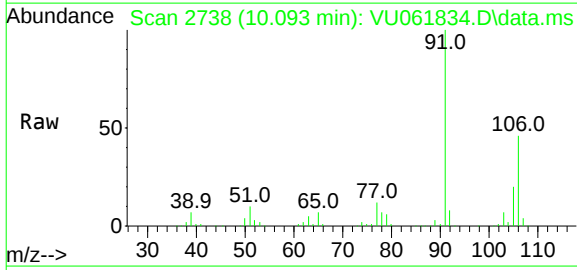
BG3Q1

Tgt Ion:106 Resp: 62992

Ion Ratio Lower Upper

106 100

91 218.3 151.3 280.9



#57

1,1,2,2-Tetrachloroethane

Concen: 1.398 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061834.D

Acq: 19 Nov 2024 00:58

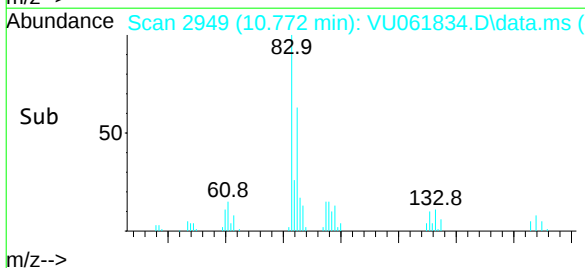
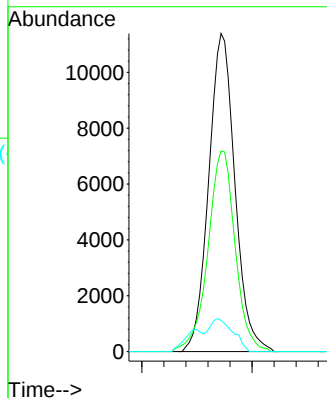
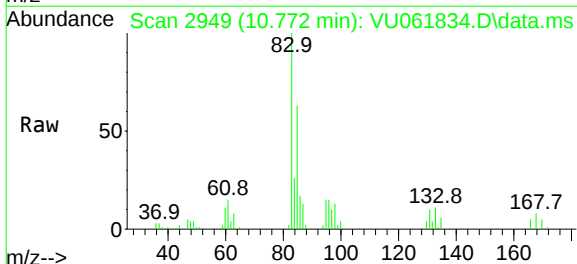
Tgt Ion: 83 Resp: 18817

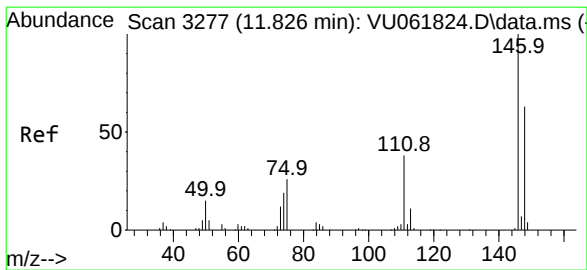
Ion Ratio Lower Upper

83 100

85 63.1 41.9 77.9

131 9.8 7.8 11.6





#65

1,4-Dichlorobenzene

Concen: 1.337 ug/L

RT: 11.826 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU061834.D

Acq: 19 Nov 2024 00:58

Instrument :

MSVOA_U

ClientSampleId :

BG3Q1

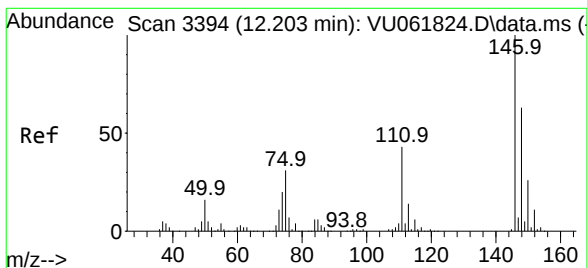
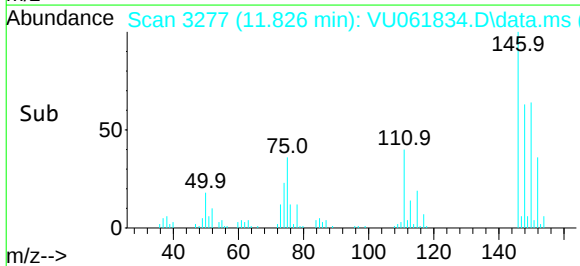
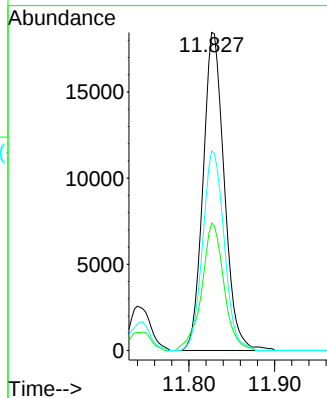
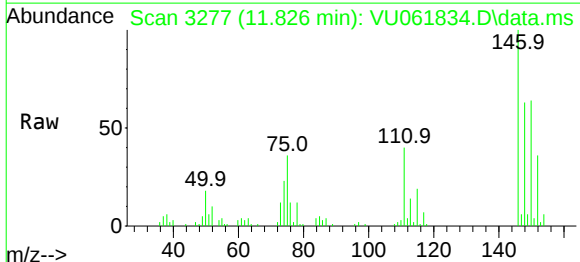
Tgt Ion:146 Resp: 31708

Ion Ratio Lower Upper

146 100

111 40.1 28.8 53.4

148 62.7 44.7 83.1



#67

1,2-Dichlorobenzene

Concen: 12.724 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU061834.D

Acq: 19 Nov 2024 00:58

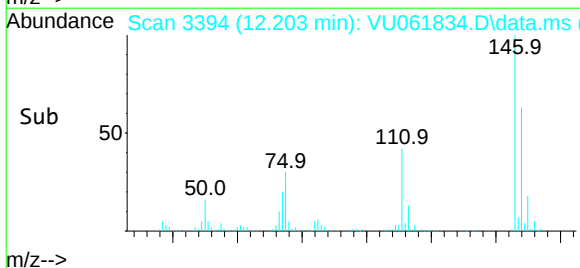
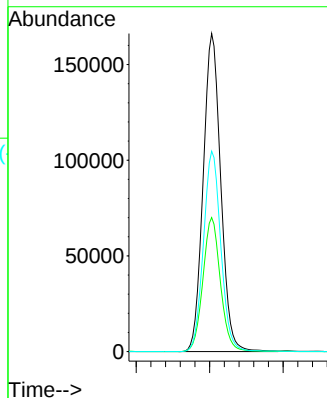
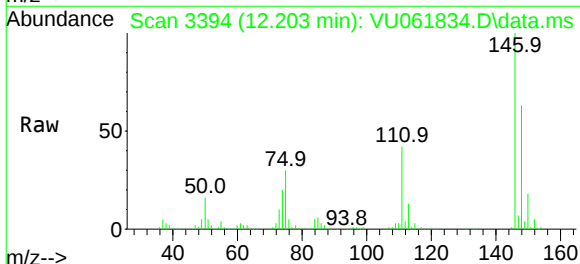
Tgt Ion:146 Resp: 276325

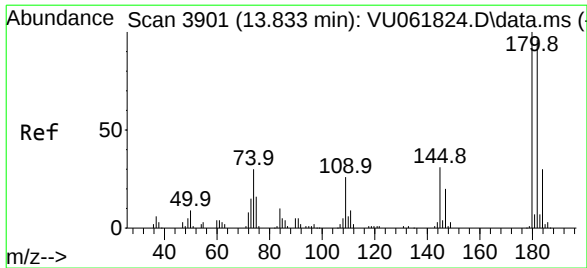
Ion Ratio Lower Upper

146 100

111 42.1 35.2 52.8

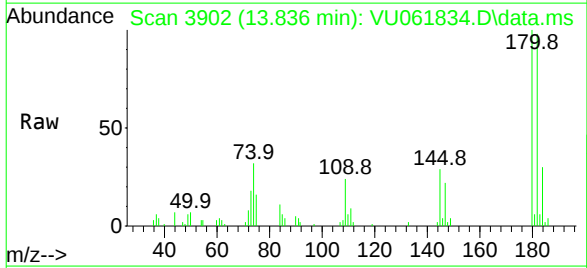
148 63.0 52.6 79.0





#70
1,2,4-trichlorobenzene
Concen: 1.053 ug/L
RT: 13.836 min Scan# 39
Delta R.T. 0.003 min
Lab File: VU061834.D
Acq: 19 Nov 2024 00:58

Instrument :
MSVOA_U
ClientSampleId :
BG3Q1



Tgt Ion:	180	Resp:	13304
Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.4	116.0
145	29.8	24.5	36.7

