

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061835.D
 Acq On : 19 Nov 2024 01:23
 Operator : MD/SY
 Sample : P4885-06
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q2

Quant Time: Nov 19 03:41:51 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	160475	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	225439	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	68302	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	35073	3.383	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.907	69	33924	3.832	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.560	65	16793	3.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.611	46	103324	46.950	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.900%
24) Chloroform-d	5.052	84	92795	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.692	65	47652	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.717	84	181443	2.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.200%#
36) 1,2-Dichloropropane-d6	6.682	67	59108	3.213	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	64.200%
41) Toluene-d8	7.891	98	209746	3.608	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.200%
43) trans-1,3-Dichloroprop...	8.174	79	22874	3.376	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.600%
46) 2-Hexanone-d5	8.624	63	110167	41.147	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.300%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	57866	3.991	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	58221	4.786	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.132	101	7136	0.407	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	47213	4.550	ug/L	99
12) 1,1-Dichloroethene	2.573	96	6021	0.622	ug/L #	1
16) Methylene chloride	3.036	84	66365	5.944	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	10945	0.461	ug/L	97
19) 1,1-Dichloroethane	3.859	63	21502	1.110	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	5690	0.475	ug/L	91
25) Chloroform	5.081	83	10341	0.506	ug/L	92
27) 1,2-Dichloroethane	5.795	62	9657	0.754	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	325793	12.700	ug/L	100
34) Trichloroethene	6.534	95	65010	3.529	ug/L	97
42) Toluene	7.962	91	309275	4.210	ug/L	100
47) Tetrachloroethene	8.544	164	862879	62.330	ug/L	97
51) Chlorobenzene	9.438	112	173581	3.671	ug/L	98
52) Ethylbenzene	9.563	91	204443	2.613	ug/L	100
53) m,p-Xylene	9.682	106	160092	5.347	ug/L	97
54) o-Xylene	10.093	106	28015	0.963	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	7707	0.502	ug/L	92
65) 1,4-Dichlorobenzene	11.830	146	11233	0.509	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 19 03:37:44 2024
Response via : Initial Calibration

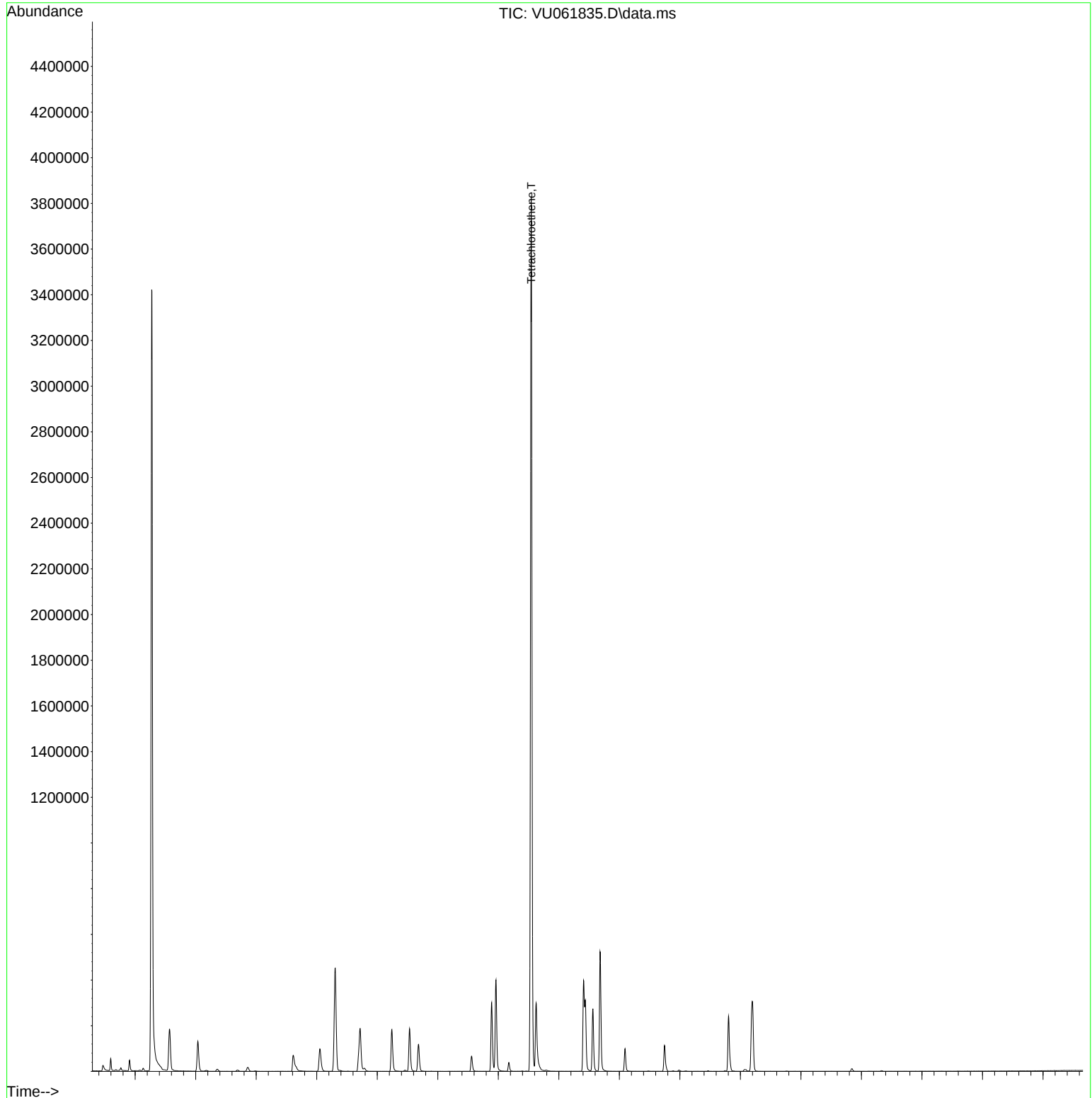
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.206	146	99315	4.916	ug/L	97
70) 1,2,4-trichlorobenzene	13.843	180	5334	0.454	ug/L	94

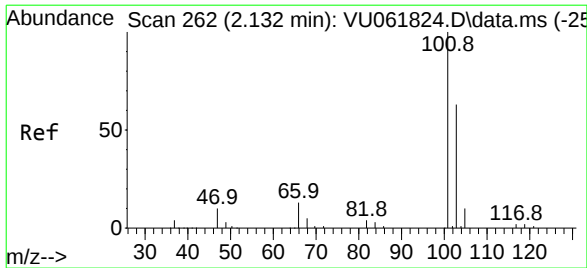
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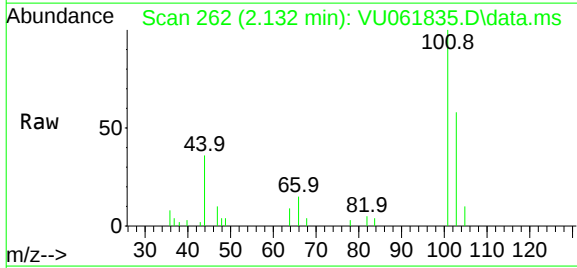
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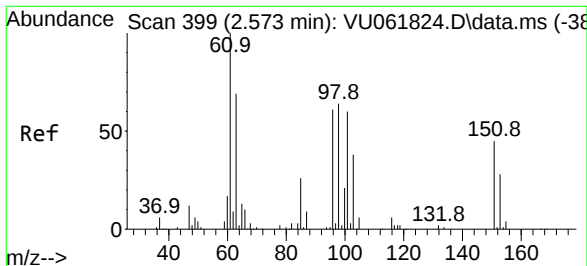
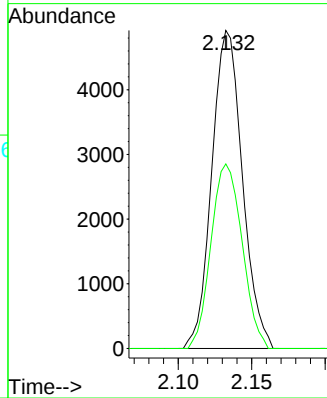
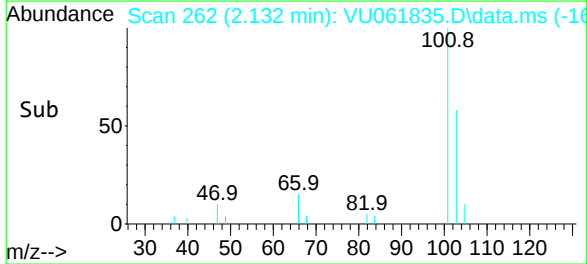


#9
Trichlorofluoromethane
Concen: 0.407 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

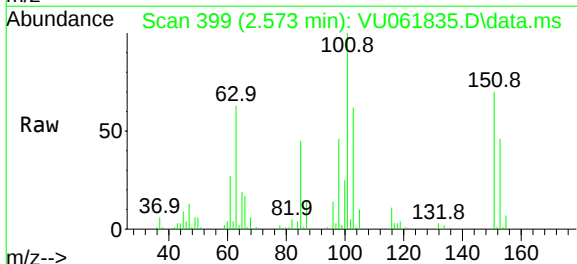
Instrument :
MSVOA_U
ClientSampleId :
BG3Q2



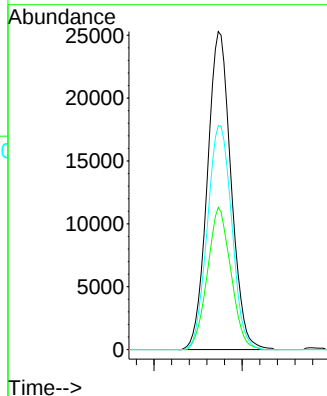
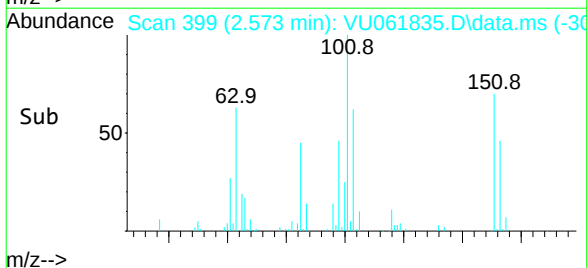
Tgt Ion:101 Resp: 7136
Ion Ratio Lower Upper
101 100
103 58.9 52.2 78.2

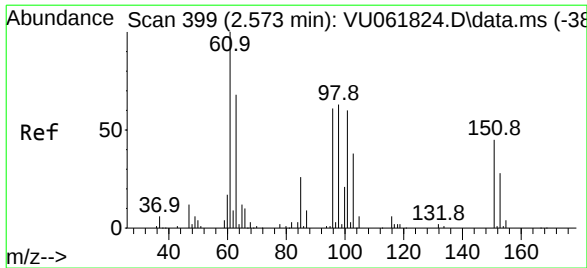


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.550 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23



Tgt Ion:101 Resp: 47213
Ion Ratio Lower Upper
101 100
85 44.1 35.1 52.7
151 72.6 56.9 85.3

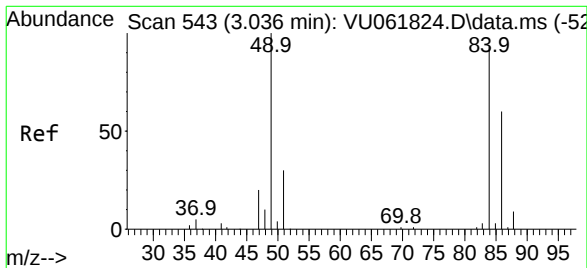
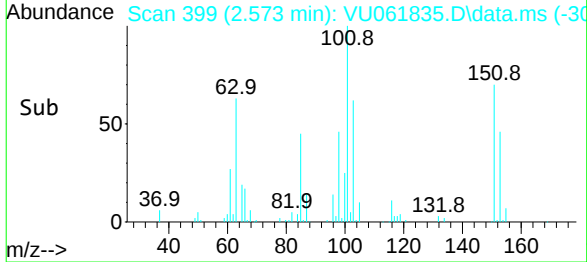
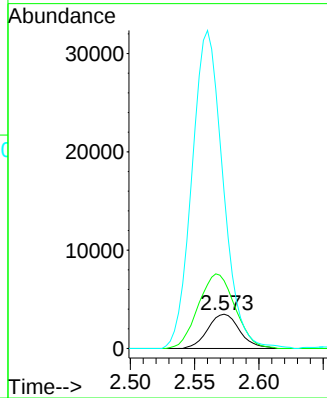
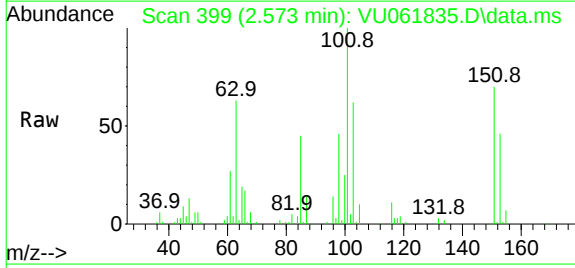




#12
1,1-Dichloroethene
Concen: 0.622 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

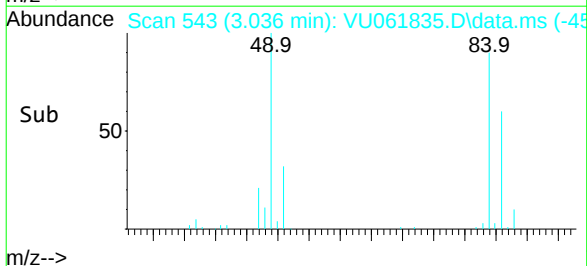
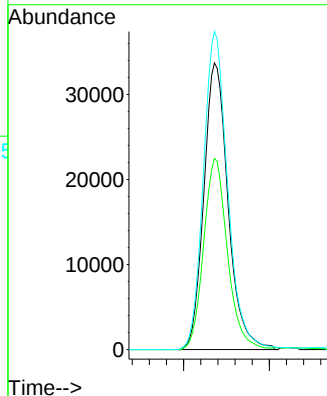
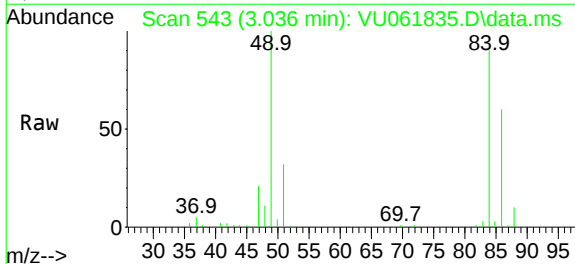
Instrument :
MSVOA_U
ClientSampleId :
BG3Q2

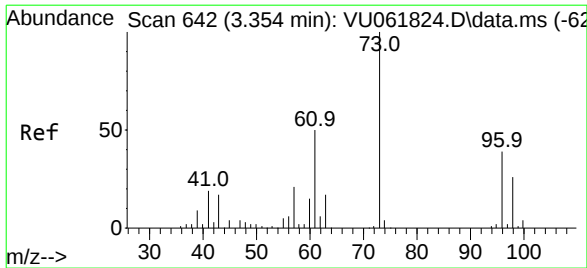
Tgt Ion: 96 Resp: 6021
Ion Ratio Lower Upper
96 100
61 198.0 116.8 217.0
63 457.8 86.1 159.9#



#16
Methylene chloride
Concen: 5.944 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 84 Resp: 66365
Ion Ratio Lower Upper
84 100
86 66.7 45.1 83.7
49 110.9 76.3 141.7

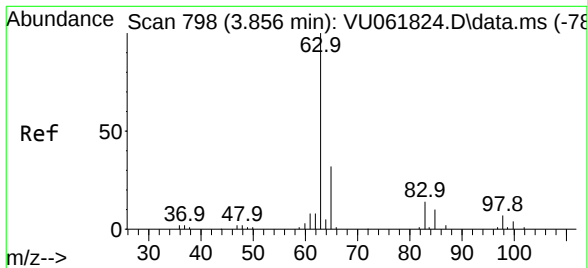
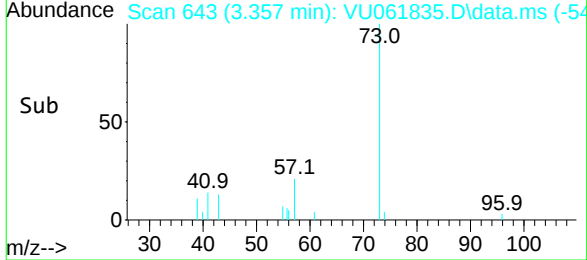
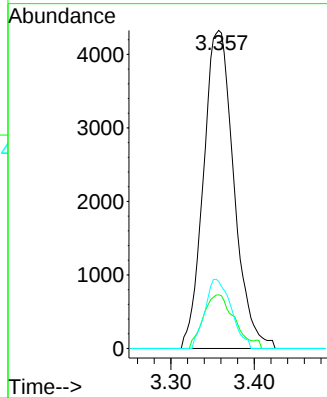
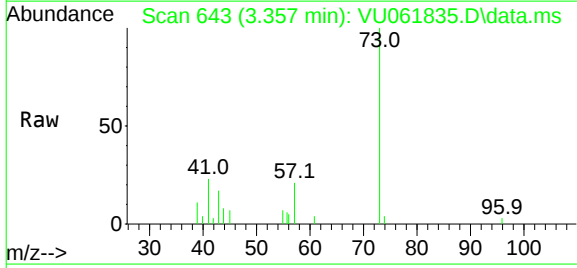




#17
Methyl tert-butyl Ether
Concen: 0.461 ug/L
RT: 3.357 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

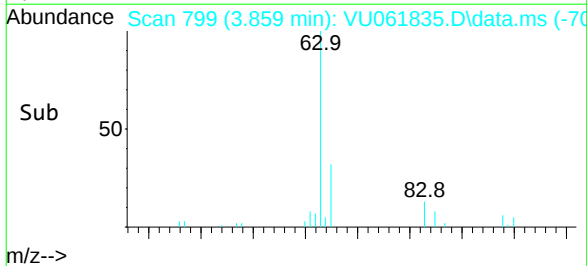
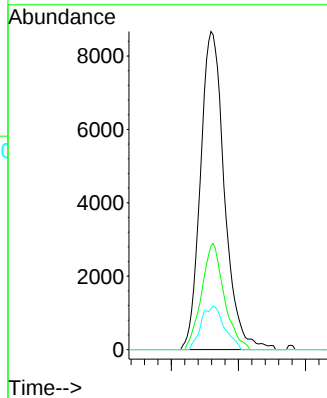
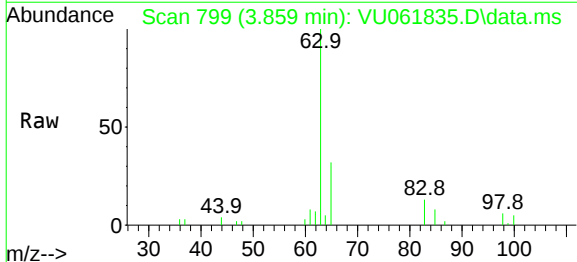
Instrument :
MSVOA_U
ClientSampleId :
BG3Q2

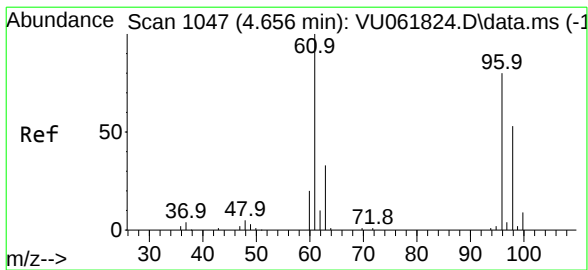
Tgt Ion:	73	Resp:	10945
Ion	Ratio	Lower	Upper
73	100		
43	17.4	14.2	21.4
57	18.8	16.9	25.3



#19
1,1-Dichloroethane
Concen: 1.110 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion:	63	Resp:	21502
Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.4	43.4
83	12.3	9.6	17.8

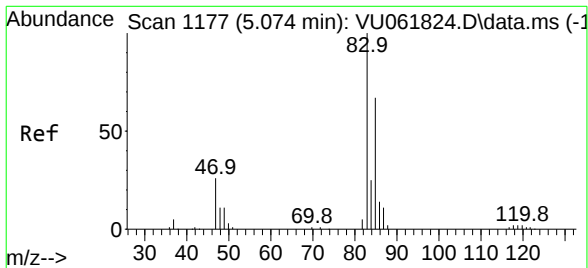
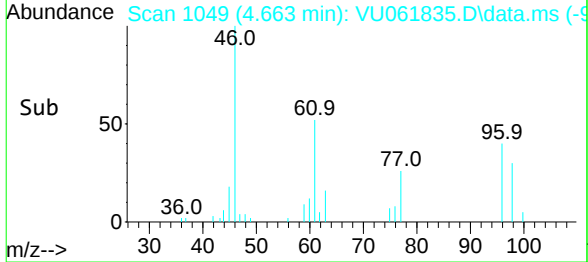
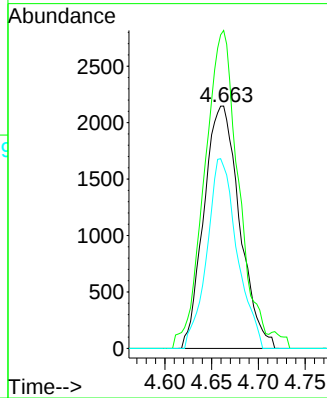
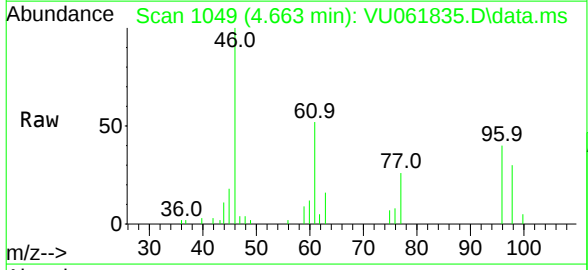




#22
 cis-1,2-Dichloroethene
 Concen: 0.475 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.006 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

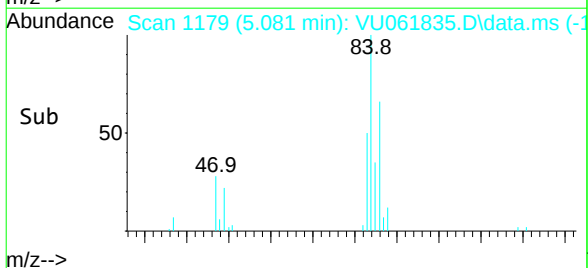
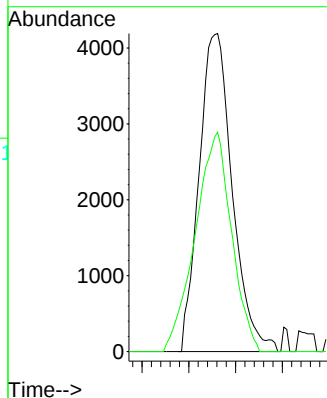
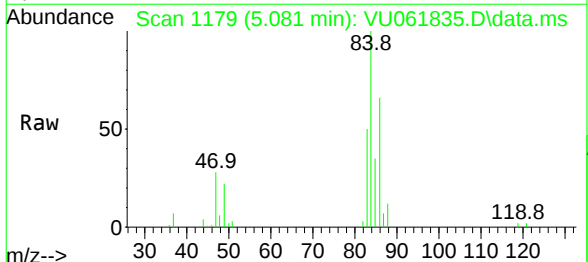
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 ClientSampleId :
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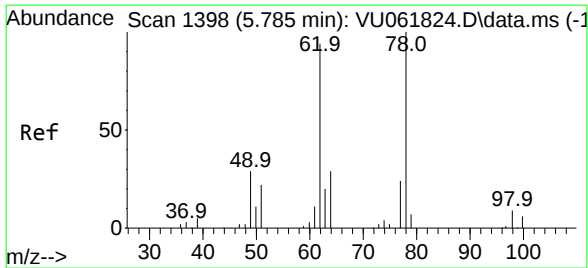
Tgt Ion:	96	Resp:	5690
Ion	Ratio	Lower	Upper
96	100		
61	131.2	85.6	159.0
98	75.0	45.6	84.8



#25
 Chloroform
 Concen: 0.506 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. 0.006 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

Tgt Ion:	83	Resp:	10341
Ion	Ratio	Lower	Upper
83	100		
85	69.0	44.1	81.9

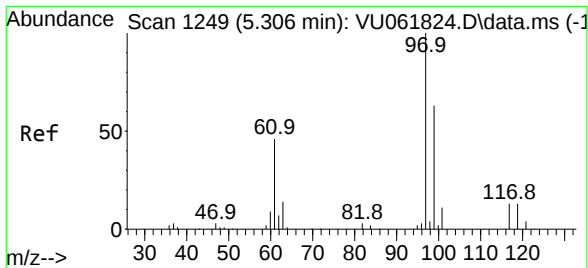
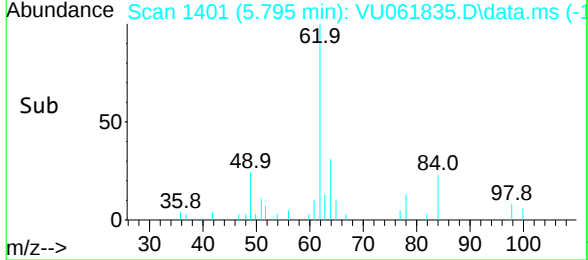
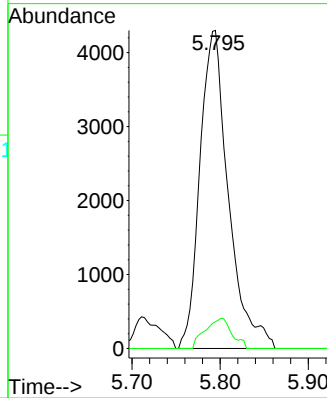
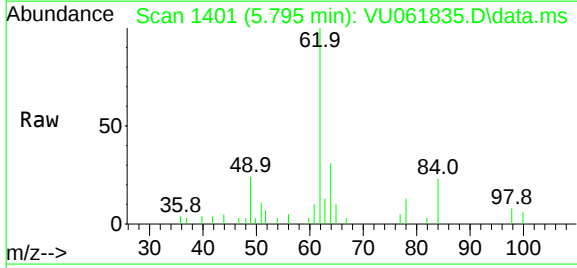




#27
1,2-Dichloroethane
Concen: 0.754 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.010 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

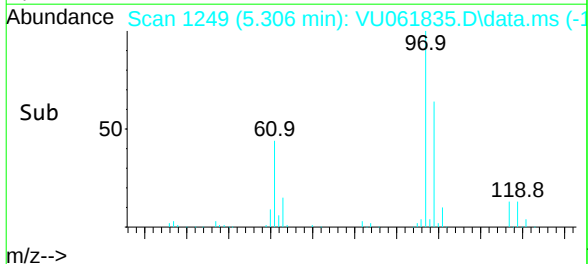
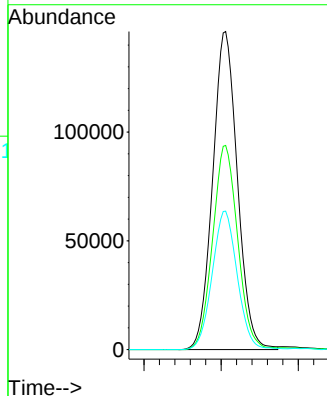
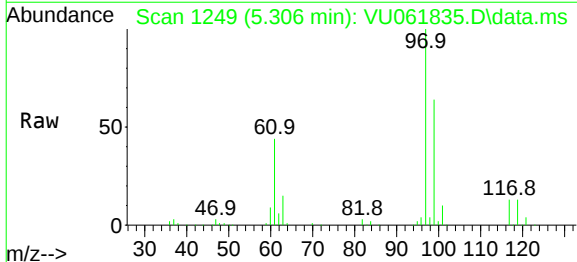
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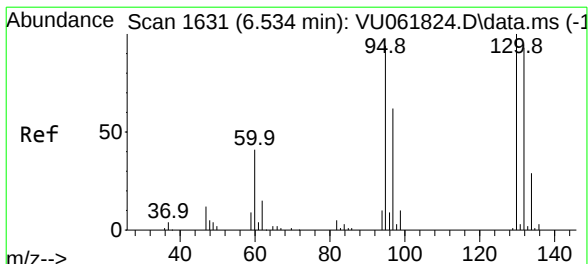
Tgt Ion: 62 Resp: 9657
Ion Ratio Lower Upper
62 100
98 8.4 7.7 11.5



#29
1,1,1-Trichloroethane
Concen: 12.700 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion: 97 Resp: 325793
Ion Ratio Lower Upper
97 100
99 65.2 51.7 77.5
61 44.1 35.4 53.0

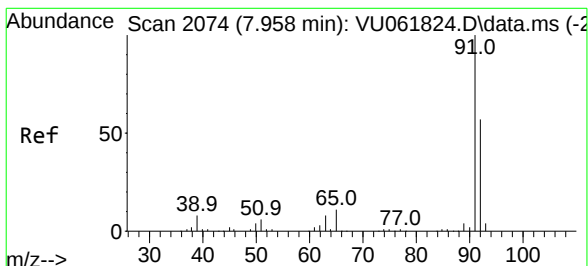
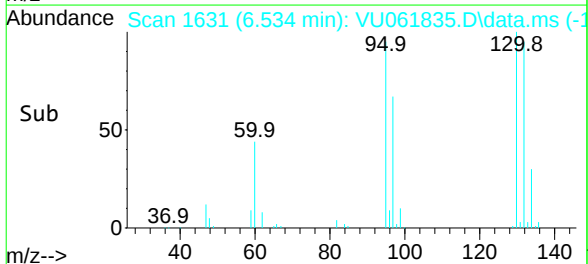
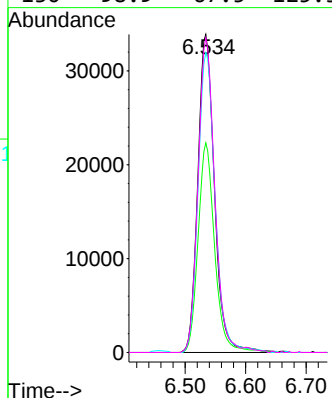
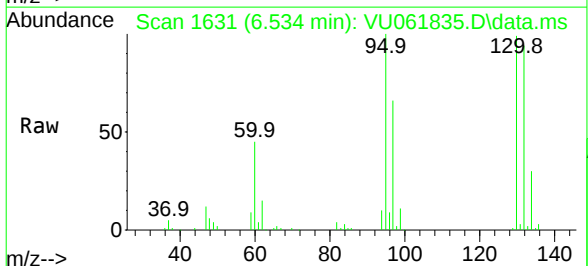




#34
 Trichloroethene
 Concen: 3.529 ug/L
 RT: 6.534 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

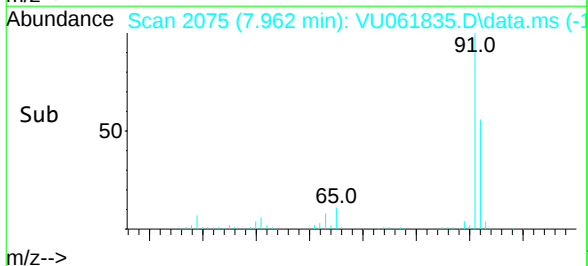
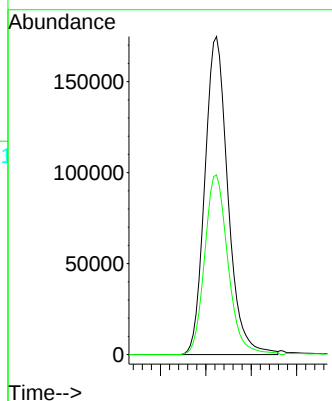
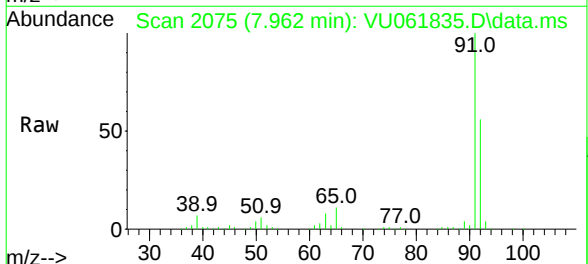
Instrument :
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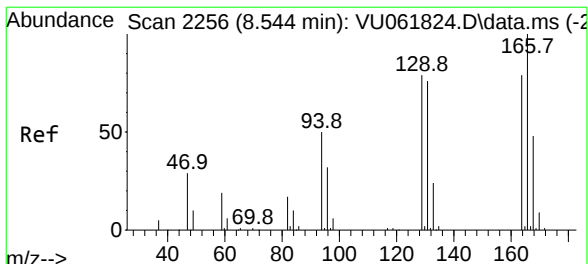
Tgt Ion:	95	Resp:	65010
Ion	Ratio	Lower	Upper
95	100		
97	65.9	43.5	80.9
132	94.2	65.2	121.0
130	98.9	67.5	125.3



#42
 Toluene
 Concen: 4.210 ug/L
 RT: 7.962 min Scan# 2075
 Delta R.T. 0.003 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

Tgt Ion:	91	Resp:	309275
Ion	Ratio	Lower	Upper
91	100		
92	56.5	39.7	73.7



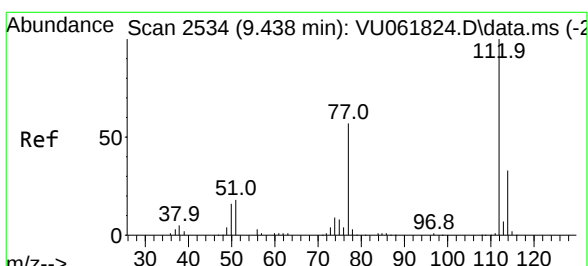
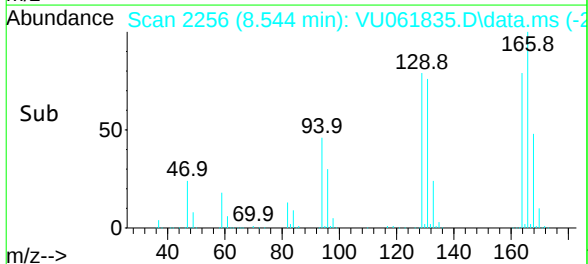
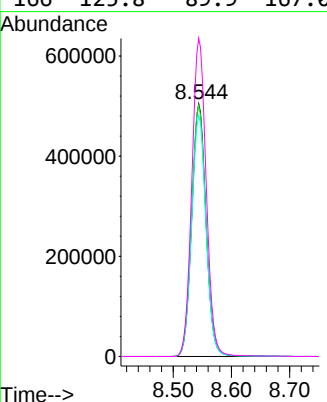
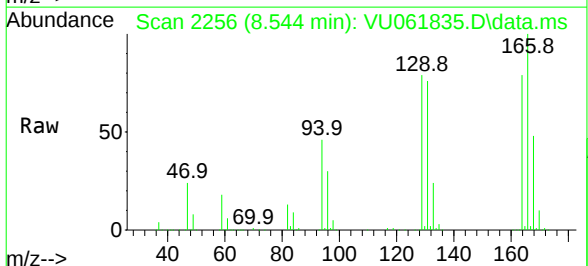


#47
Tetrachloroethene
Concen: 62.330 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Instrument :
MSVOA_U
ClientSampleId :
BG3Q2

Tgt Ion:164 Resp: 862879

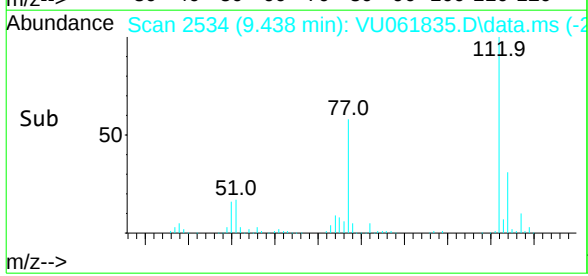
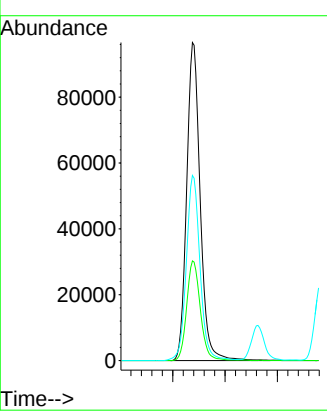
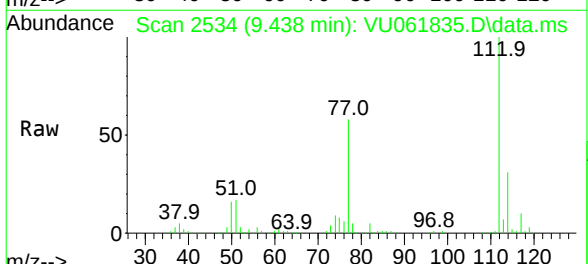
Ion	Ratio	Lower	Upper
164	100		
129	99.3	71.7	133.3
131	95.3	68.2	126.6
166	125.8	89.9	167.0

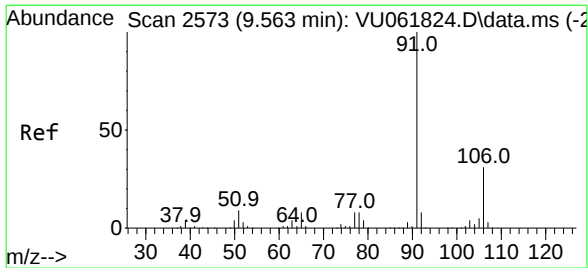


#51
Chlorobenzene
Concen: 3.671 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Tgt Ion:112 Resp: 173581

Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.5	41.9
77	58.2	45.3	67.9

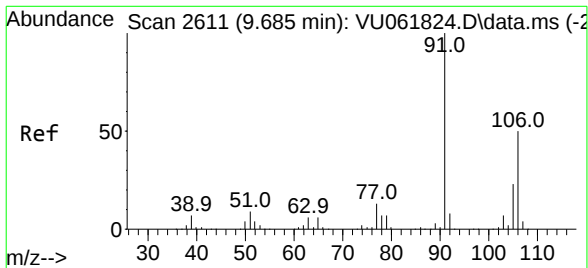
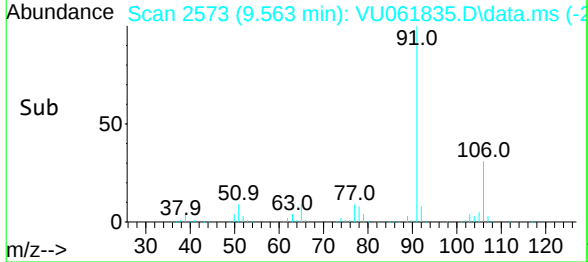
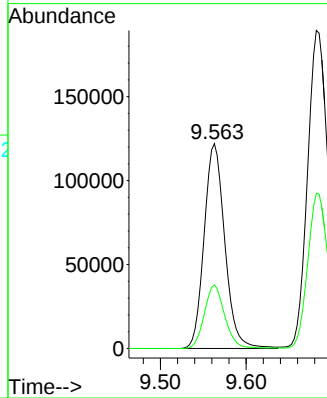
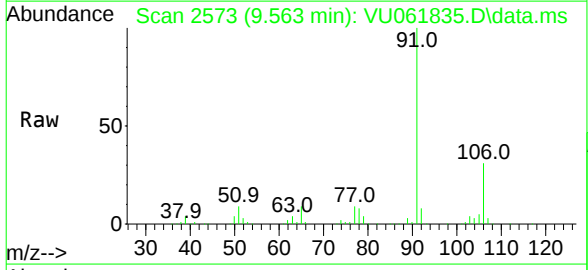




#52
 Ethylbenzene
 Concen: 2.613 ug/L
 RT: 9.563 min Scan# 2573
 Delta R.T. 0.000 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

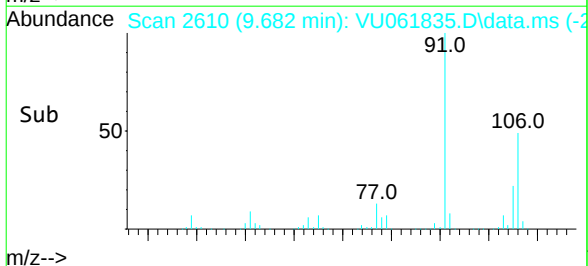
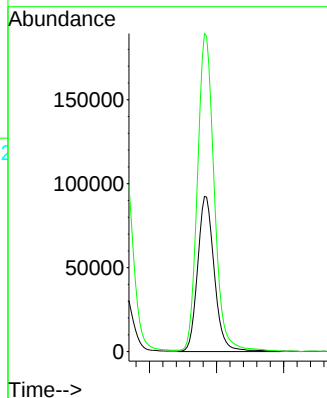
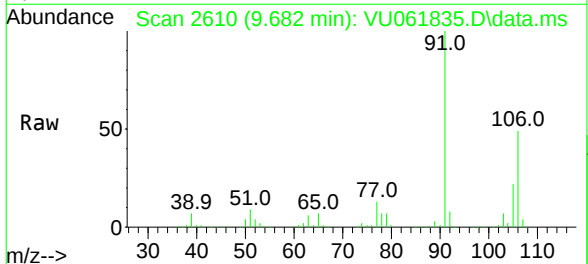
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q2

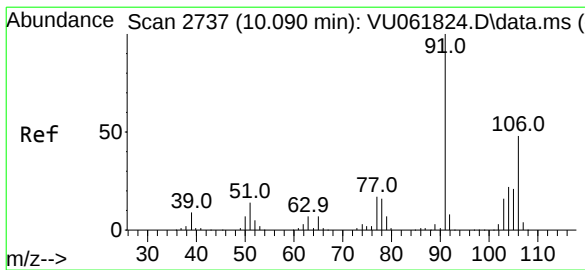
Tgt Ion: 91 Resp: 204443
 Ion Ratio Lower Upper
 91 100
 106 31.1 21.7 40.3



#53
 m,p-Xylene
 Concen: 5.347 ug/L
 RT: 9.682 min Scan# 2610
 Delta R.T. -0.003 min
 Lab File: VU061835.D
 Acq: 19 Nov 2024 01:23

Tgt Ion: 106 Resp: 160092
 Ion Ratio Lower Upper
 106 100
 91 204.9 140.4 260.8





#54

o-Xylene

Concen: 0.963 ug/L

RT: 10.093 min Scan# 2737

Delta R.T. 0.003 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

Instrument :

MSVOA_U

ClientSampleId :

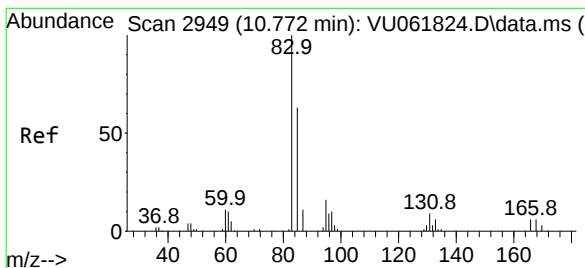
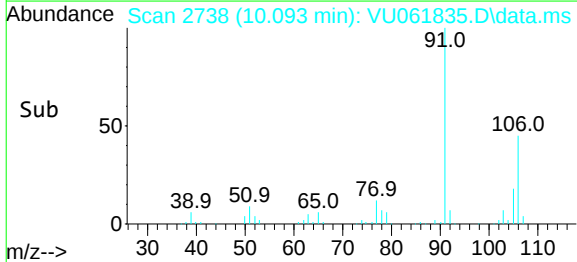
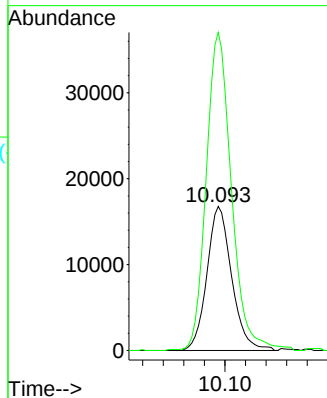
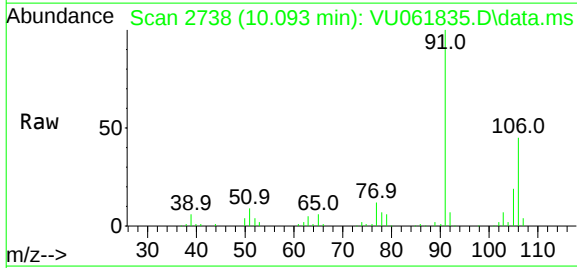
BG3Q2

Tgt Ion:106 Resp: 28015

Ion Ratio Lower Upper

106 100

91 220.7 151.3 280.9



#57

1,1,2,2-Tetrachloroethane

Concen: 0.502 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

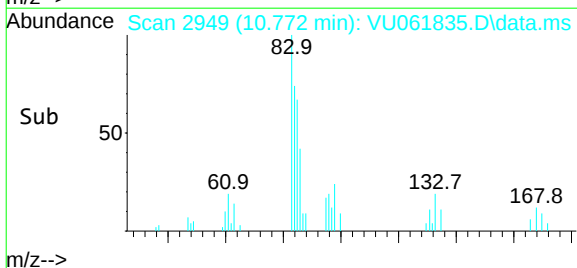
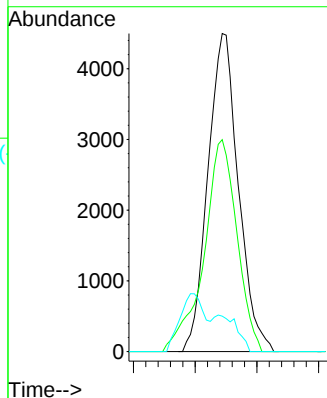
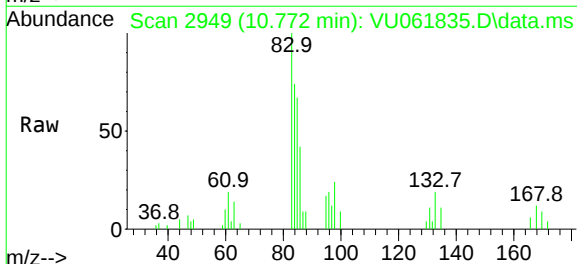
Tgt Ion: 83 Resp: 7707

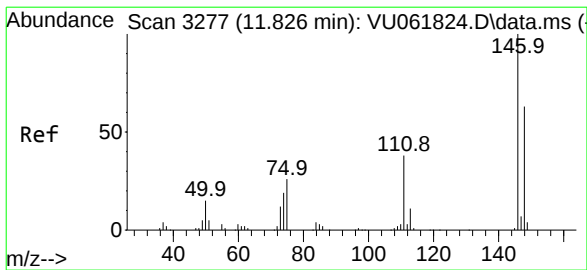
Ion Ratio Lower Upper

83 100

85 66.6 41.9 77.9

131 11.1 7.8 11.6





#65

1,4-Dichlorobenzene

Concen: 0.509 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

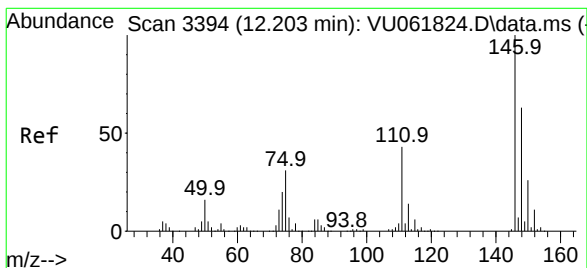
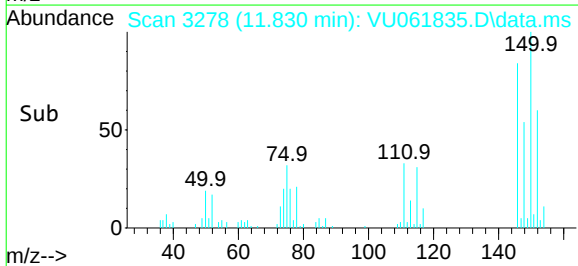
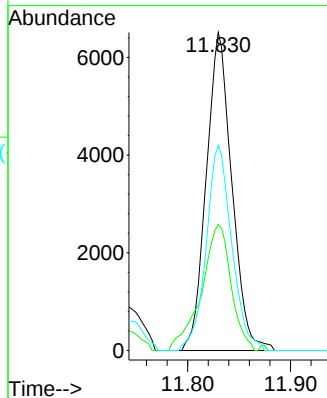
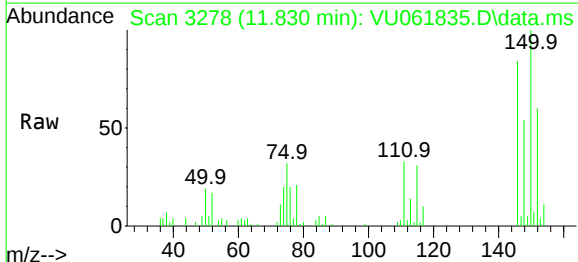
Instrument :

MSVOA_U

ClientSampleId :

BG3Q2

Tgt	Ion:146	Resp:	11233
Ion	Ratio	Lower	Upper
146	100		
111	39.6	28.8	53.4
148	64.5	44.7	83.1



#67

1,2-Dichlorobenzene

Concen: 4.916 ug/L

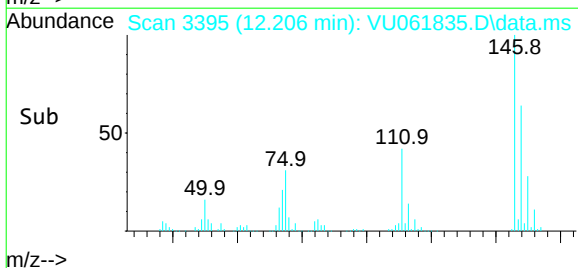
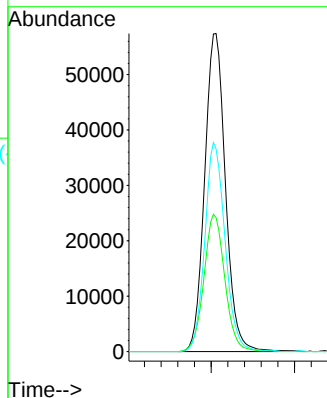
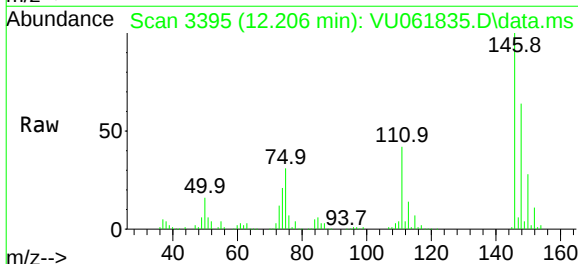
RT: 12.206 min Scan# 3395

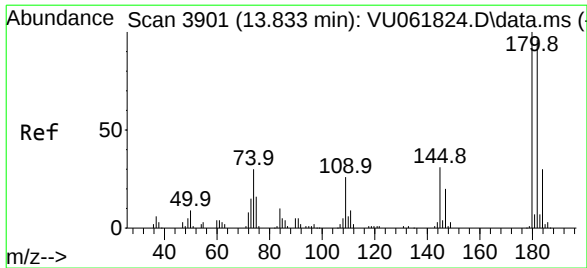
Delta R.T. 0.003 min

Lab File: VU061835.D

Acq: 19 Nov 2024 01:23

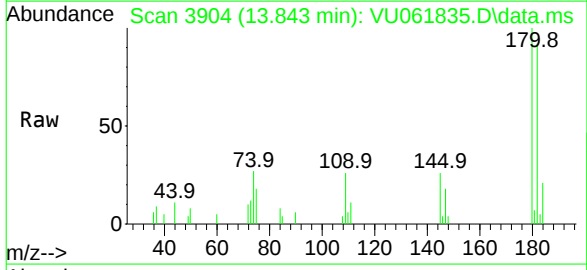
Tgt	Ion:146	Resp:	99315
Ion	Ratio	Lower	Upper
146	100		
111	42.1	35.2	52.8
148	63.7	52.6	79.0





#70
1,2,4-trichlorobenzene
Concen: 0.454 ug/L
RT: 13.843 min Scan# 39
Delta R.T. 0.010 min
Lab File: VU061835.D
Acq: 19 Nov 2024 01:23

Instrument :
MSVOA_U
ClientSampleId :
BG3Q2



Tgt Ion:	180	Resp:	5334
Ion	Ratio	Lower	Upper
180	100		
182	92.5	77.4	116.0
145	24.9	24.5	36.7

