

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061838.D
 Acq On : 19 Nov 2024 02:37
 Operator : MD/SY
 Sample : P4885-09
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q5

Quant Time: Nov 19 03:43:26 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)

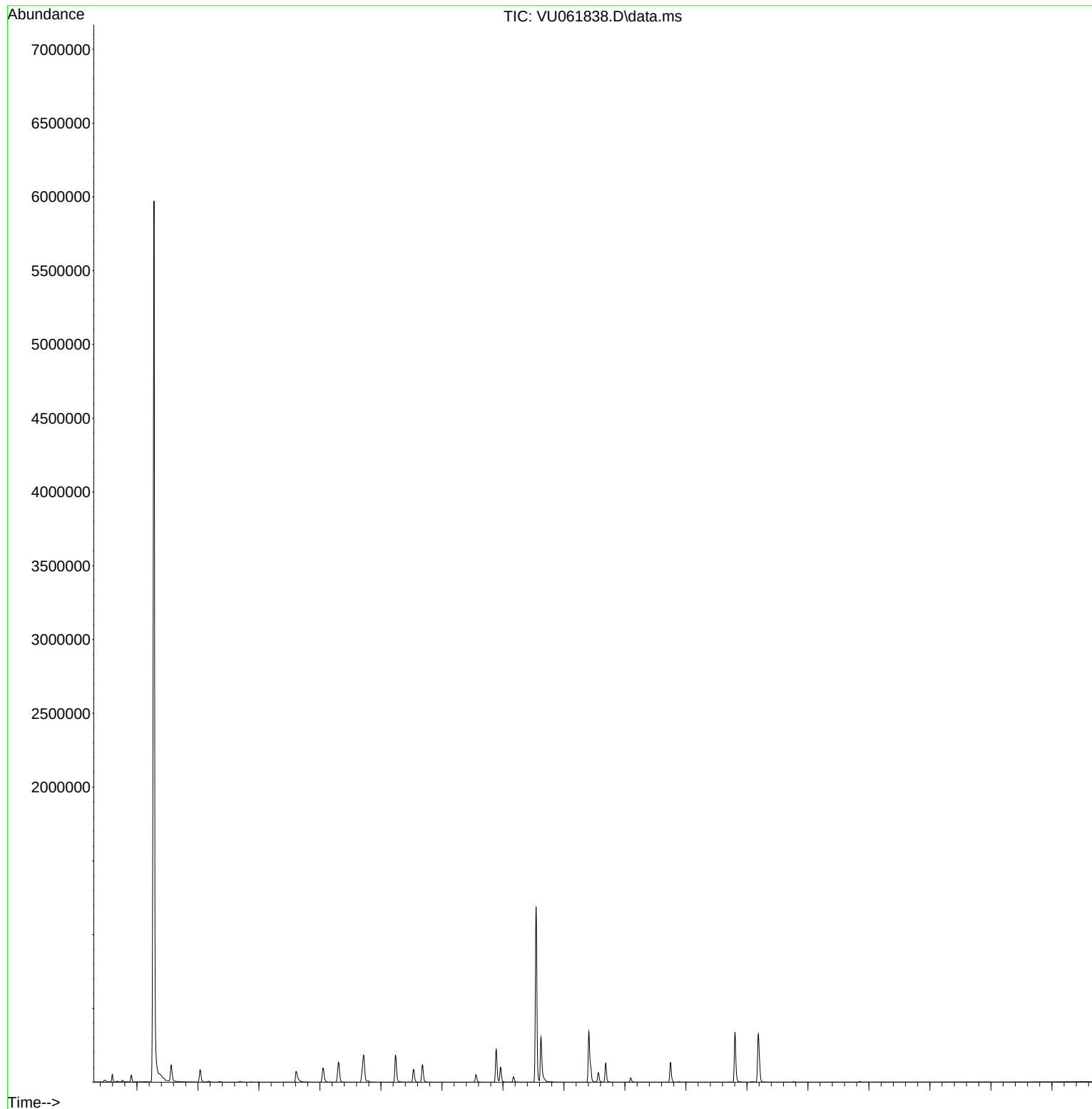
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	162310	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	198660	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	98772	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	34960	3.334	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.600%
7) Chloroethane-d5	1.907	69	33886	3.785	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.560	65	16465	3.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.611	46	109789	49.323	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.640%
24) Chloroform-d	5.052	84	93048	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.692	65	48802	4.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.718	84	184113	3.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.000%#
36) 1,2-Dichloropropane-d6	6.682	67	58867	3.632	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.600%
41) Toluene-d8	7.891	98	162294	3.168	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.400%#
43) trans-1,3-Dichloroprop...	8.174	79	22425	3.756	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.624	63	110245	46.726	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.460%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	69921	5.472	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	87700	4.985	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds	Qvalue					
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	13775	1.312	ug/L	96
16) Methylene chloride	3.036	84	44140	3.909	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	4777	0.199	ug/L #	92
27) 1,2-Dichloroethane	5.795	62	5964	0.460	ug/L #	74
29) 1,1,1-Trichloroethane	5.306	97	98874	4.374	ug/L	99
34) Trichloroethene	6.534	95	30698	1.891	ug/L	92
42) Toluene	7.962	91	78669	1.215	ug/L	98
47) Tetrachloroethene	8.544	164	272138	22.308	ug/L	97
51) Chlorobenzene	9.441	112	50012	1.200	ug/L	98
52) Ethylbenzene	9.563	91	50722	0.736	ug/L	98
53) m,p-Xylene	9.685	106	38164	1.446	ug/L	97
54) o-Xylene	10.094	106	8848	0.345	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.772	83	4516	0.334	ug/L #	95
67) 1,2-Dichlorobenzene	12.203	146	46490	1.591	ug/L	98

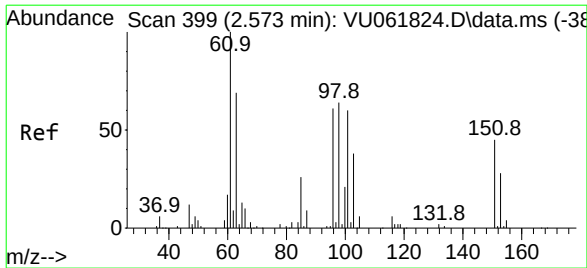
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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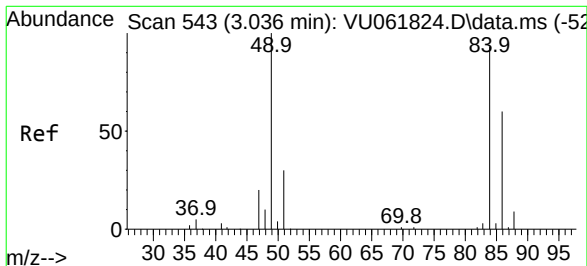
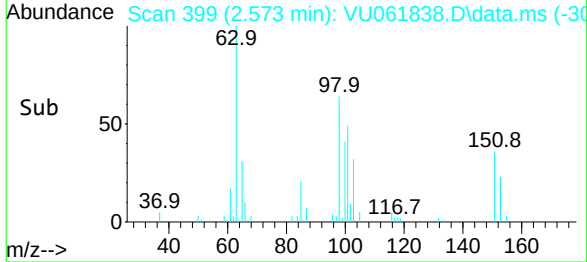
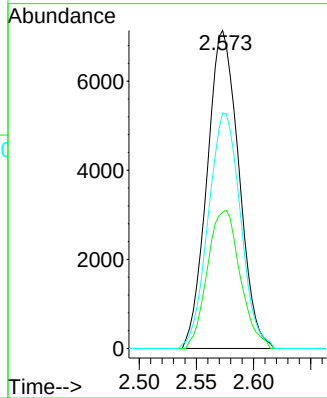
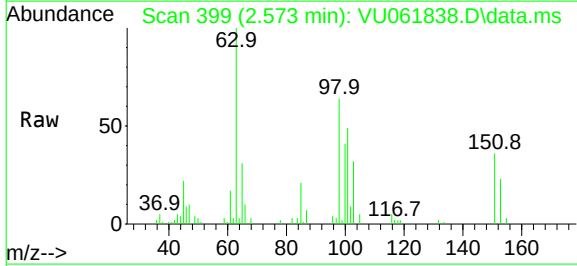




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.312 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061838.D
Acq: 19 Nov 2024 02:37

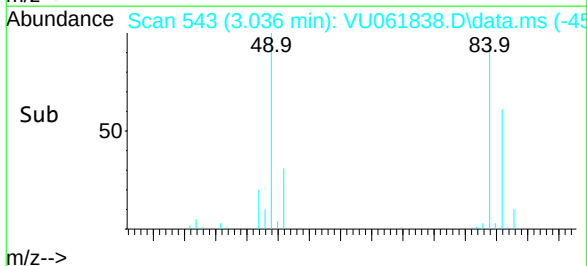
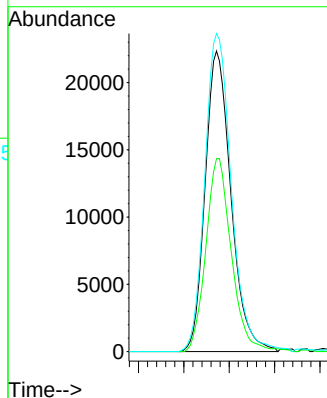
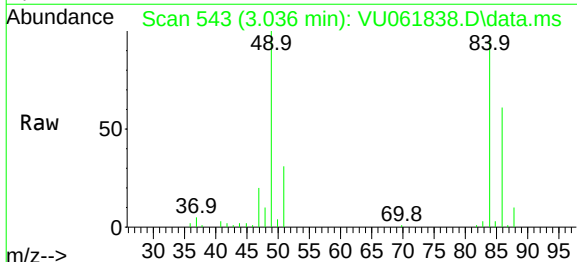
Instrument :
MSVOA_U
ClientSampleId :
BG3Q5

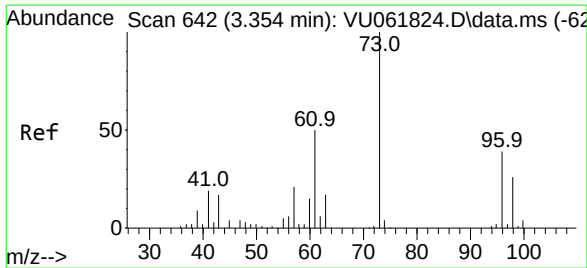
Tgt Ion: 101 Resp: 13775
Ion Ratio Lower Upper
101 100
85 44.7 35.1 52.7
151 75.4 56.9 85.3



#16
Methylene chloride
Concen: 3.909 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061838.D
Acq: 19 Nov 2024 02:37

Tgt Ion: 84 Resp: 44140
Ion Ratio Lower Upper
84 100
86 64.2 45.1 83.7
49 105.8 76.3 141.7

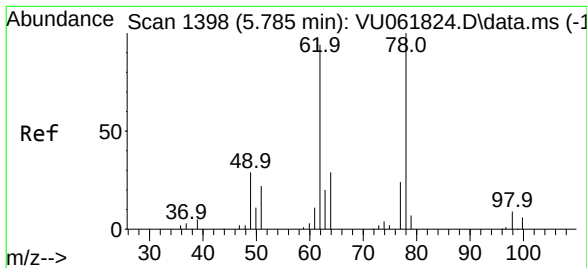
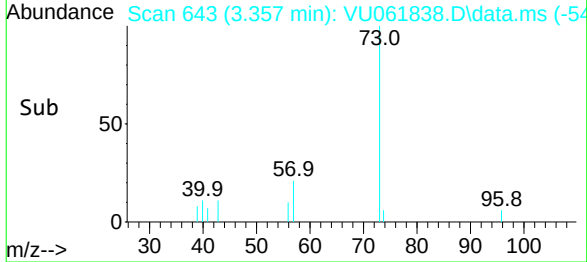
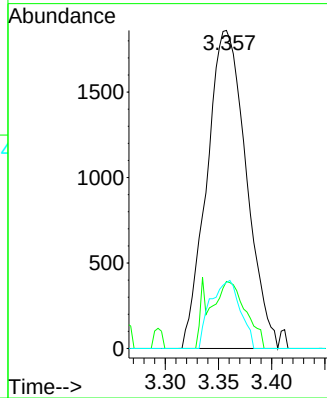
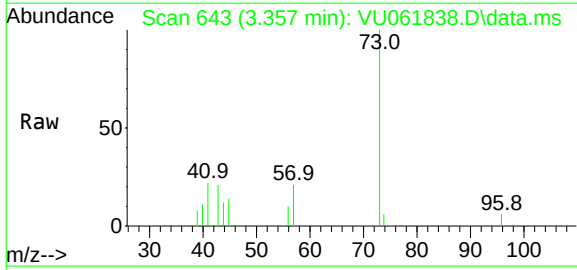




#17
Methyl tert-butyl Ether
Concen: 0.199 ug/L
RT: 3.357 min Scan# 64
Delta R.T. 0.003 min
Lab File: VU061838.D
Acq: 19 Nov 2024 02:37

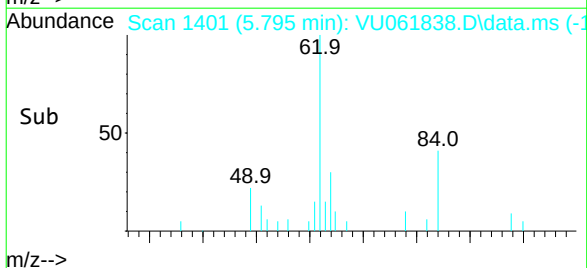
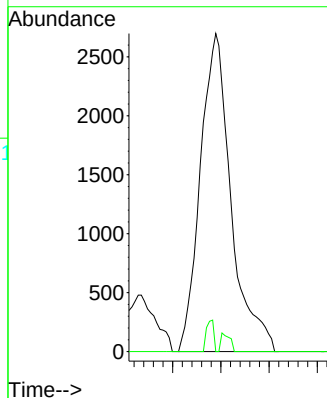
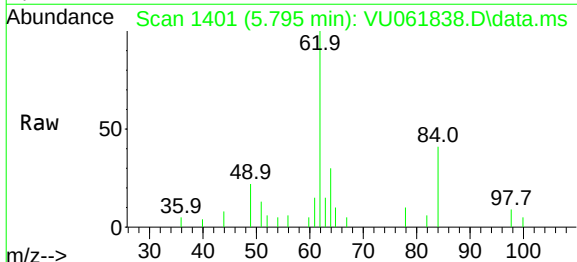
Instrument :
MSVOA_U
ClientSampleId :
BG3Q5

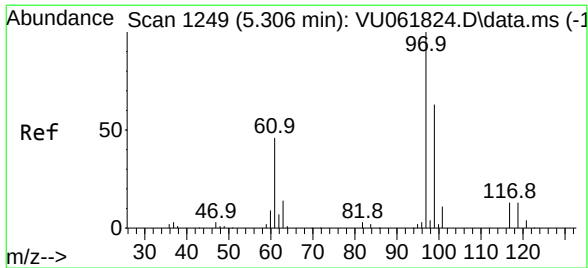
Tgt Ion: 73 Resp: 4777
Ion Ratio Lower Upper
73 100
43 15.7 14.2 21.4
57 16.3 16.9 25.3#



#27
1,2-Dichloroethane
Concen: 0.460 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.010 min
Lab File: VU061838.D
Acq: 19 Nov 2024 02:37

Tgt Ion: 62 Resp: 5964
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#

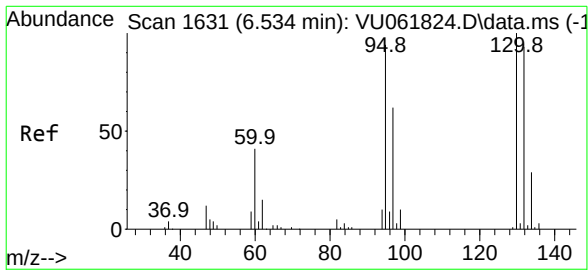
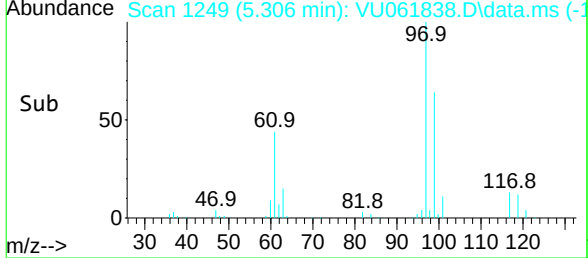
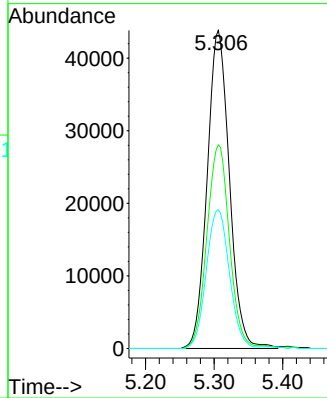
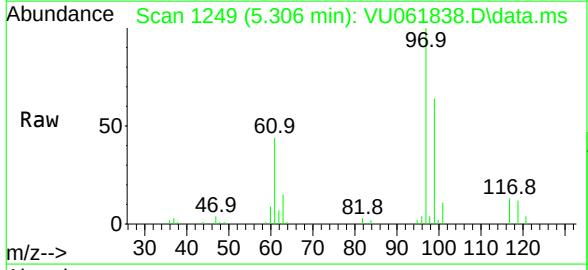




#29
 1,1,1-Trichloroethane
 Concen: 4.374 ug/L
 RT: 5.306 min Scan# 1249
 Delta R.T. 0.000 min
 Lab File: VU061838.D
 Acq: 19 Nov 2024 02:37

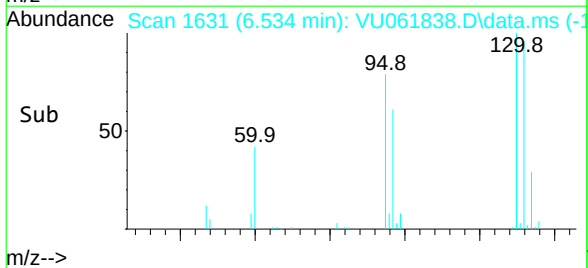
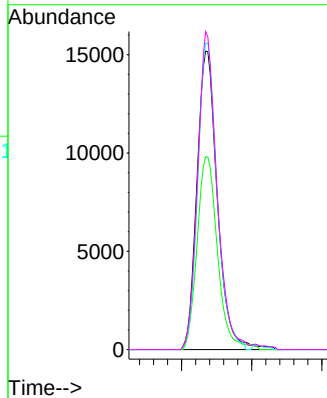
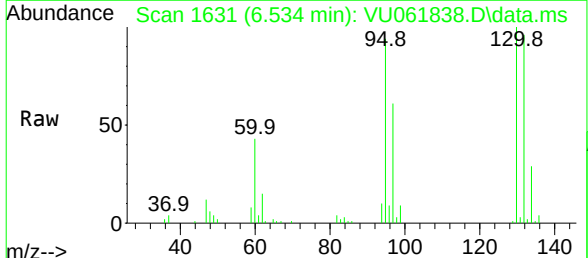
Instrument :
 MSVOA_U
 ClientSampleId :
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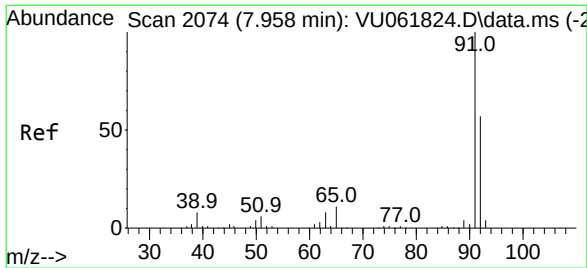
Tgt Ion:	97	Resp:	98874
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	45.3	35.4	53.0



#34
 Trichloroethene
 Concen: 1.891 ug/L
 RT: 6.534 min Scan# 1631
 Delta R.T. 0.000 min
 Lab File: VU061838.D
 Acq: 19 Nov 2024 02:37

Tgt Ion:	95	Resp:	30698
Ion	Ratio	Lower	Upper
95	100		
97	64.5	43.5	80.9
132	102.5	65.2	121.0
130	106.5	67.5	125.3





#42

Toluene

Concen: 1.215 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU061838.D

Acq: 19 Nov 2024 02:37

Instrument :

MSVOA_U

ClientSampleId :

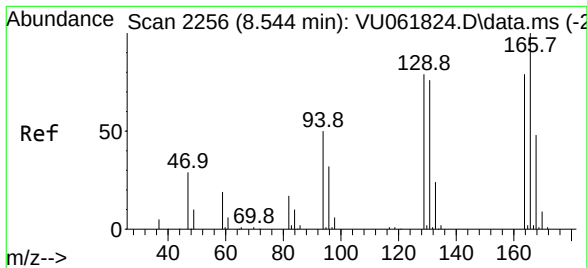
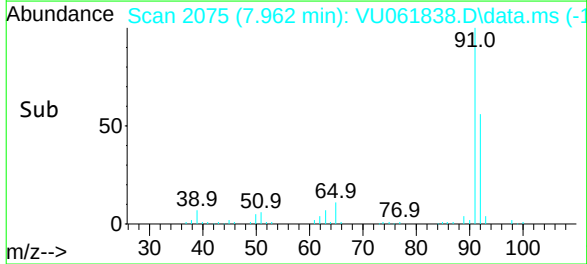
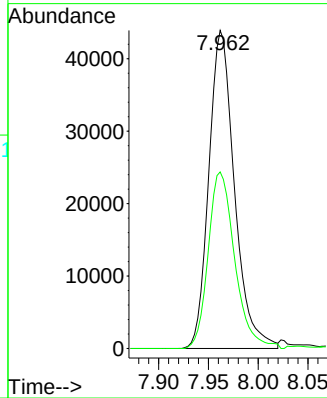
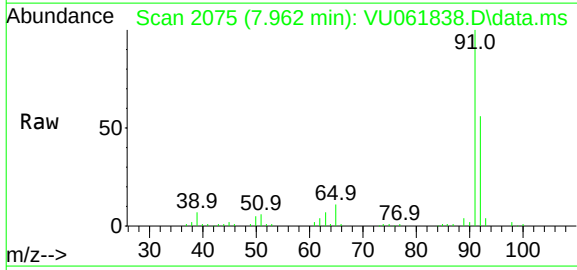
BG3Q5

Tgt Ion: 91 Resp: 78669

Ion Ratio Lower Upper

91 100

92 55.5 39.7 73.7



#47

Tetrachloroethene

Concen: 22.308 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061838.D

Acq: 19 Nov 2024 02:37

Tgt Ion: 164 Resp: 272138

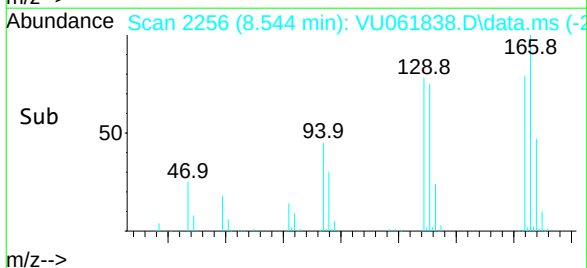
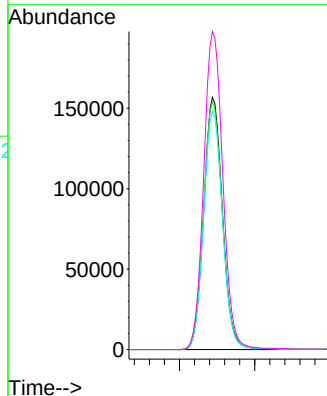
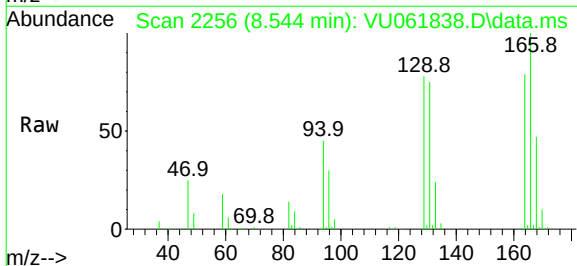
Ion Ratio Lower Upper

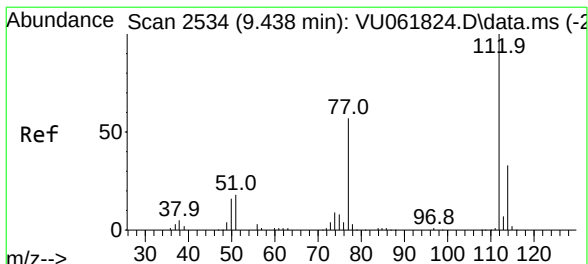
164 100

129 98.2 71.7 133.3

131 94.4 68.2 126.6

166 126.1 89.9 167.0

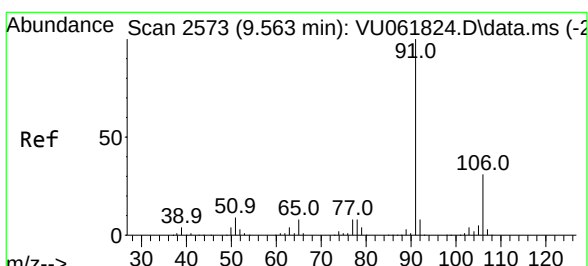
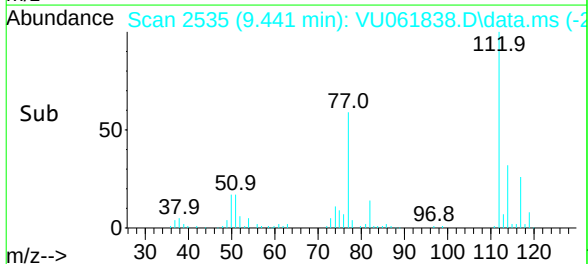
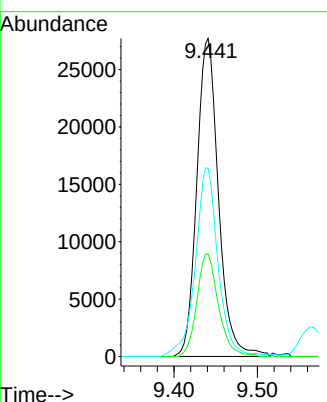
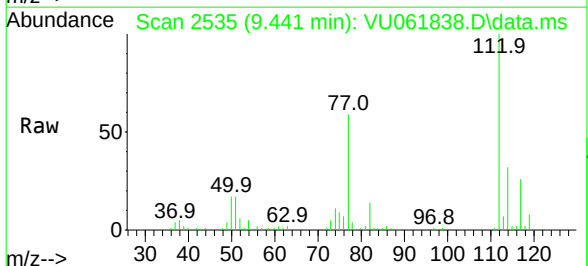




#51
Chlorobenzene
Concen: 1.200 ug/L
RT: 9.441 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VU061838.D
Acq: 19 Nov 2024 02:37

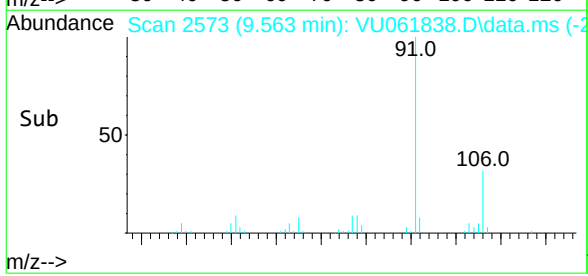
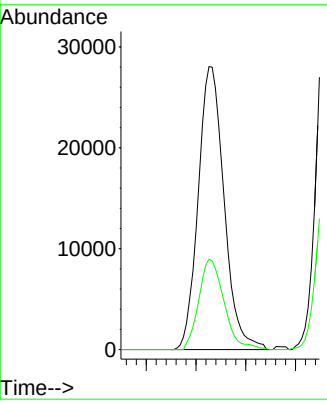
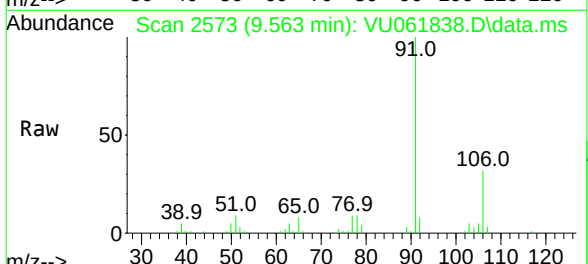
Instrument : MSVOA_U
ClientSampleId : BG3Q5

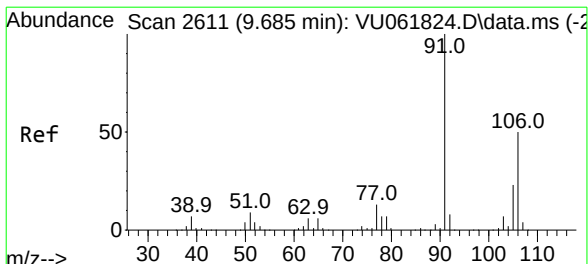
Tgt Ion:	112	Resp:	50012
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	59.2	45.3	67.9



#52
Ethylbenzene
Concen: 0.736 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU061838.D
Acq: 19 Nov 2024 02:37

Tgt Ion:	91	Resp:	50722
Ion	Ratio	Lower	Upper
91	100		
106	32.0	21.7	40.3



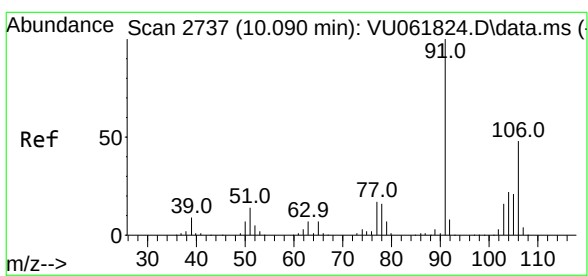
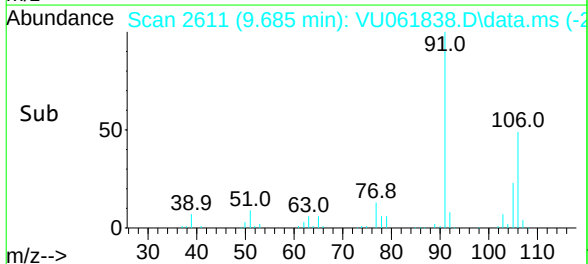
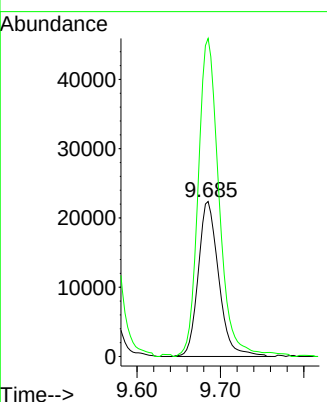
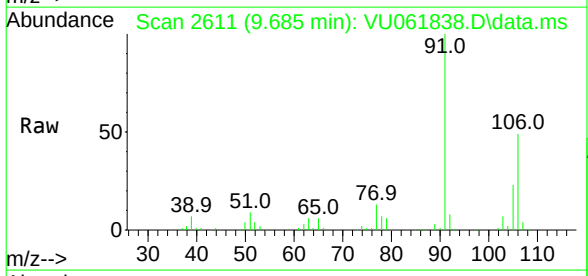


#53
 m,p-Xylene
 Concen: 1.446 ug/L
 RT: 9.685 min Scan# 2611
 Delta R.T. 0.000 min
 Lab File: VU061838.D
 Acq: 19 Nov 2024 02:37

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q5

Tgt Ion:106 Resp: 38164

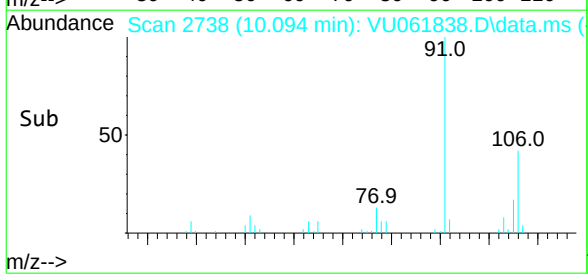
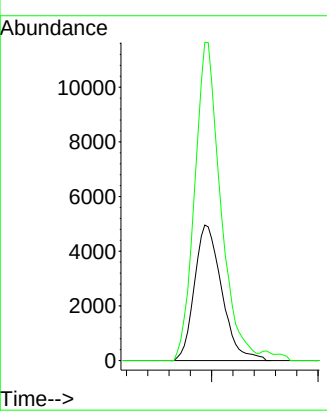
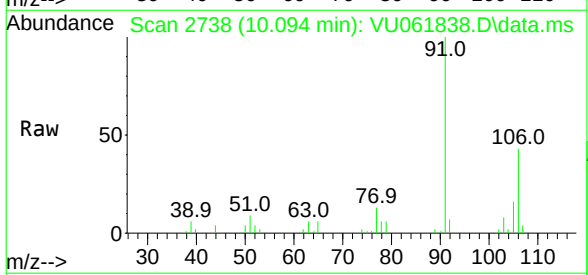
Ion	Ratio	Lower	Upper
106	100		
91	205.2	140.4	260.8

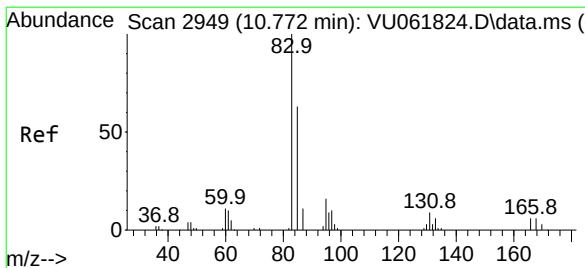


#54
 o-Xylene
 Concen: 0.345 ug/L
 RT: 10.094 min Scan# 2738
 Delta R.T. 0.003 min
 Lab File: VU061838.D
 Acq: 19 Nov 2024 02:37

Tgt Ion:106 Resp: 8848

Ion	Ratio	Lower	Upper
106	100		
91	234.6	151.3	280.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.334 ug/L

RT: 10.772 min Scan# 29

Delta R.T. 0.000 min

Lab File: VU061838.D

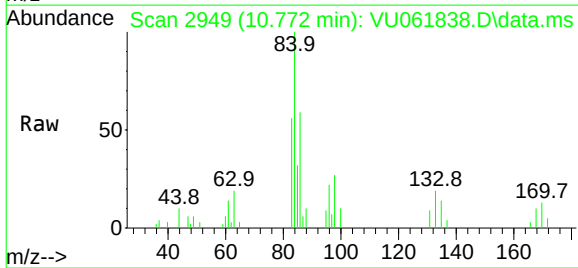
Acq: 19 Nov 2024 02:37

Instrument :

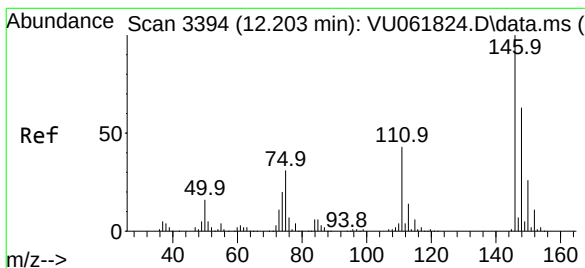
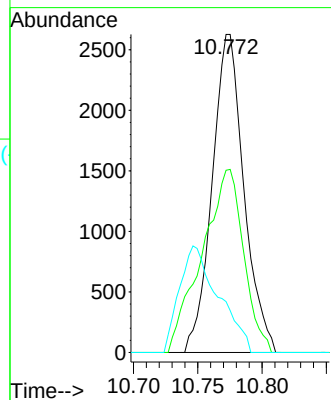
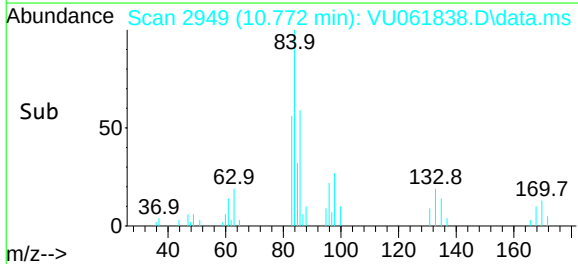
MSVOA_U

ClientSampleId :

BG3Q5



Tgt Ion:	83	Resp:	4516
Ion	Ratio	Lower	Upper
83	100		
85	57.3	41.9	77.9
131	16.0	7.8	11.6



#67

1,2-Dichlorobenzene

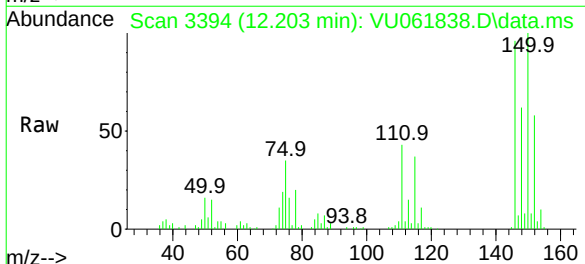
Concen: 1.591 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU061838.D

Acq: 19 Nov 2024 02:37



Tgt Ion:	146	Resp:	46490
Ion	Ratio	Lower	Upper
146	100		
111	44.6	35.2	52.8
148	63.8	52.6	79.0

