

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112224\
 Data File : VU061998.D
 Acq On : 23 Nov 2024 02:40
 Operator : MD/SY
 Sample : P4904-03
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG413

Quant Time: Nov 23 03:18:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 23 00:14:12 2024
 Response via : Initial Calibration

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

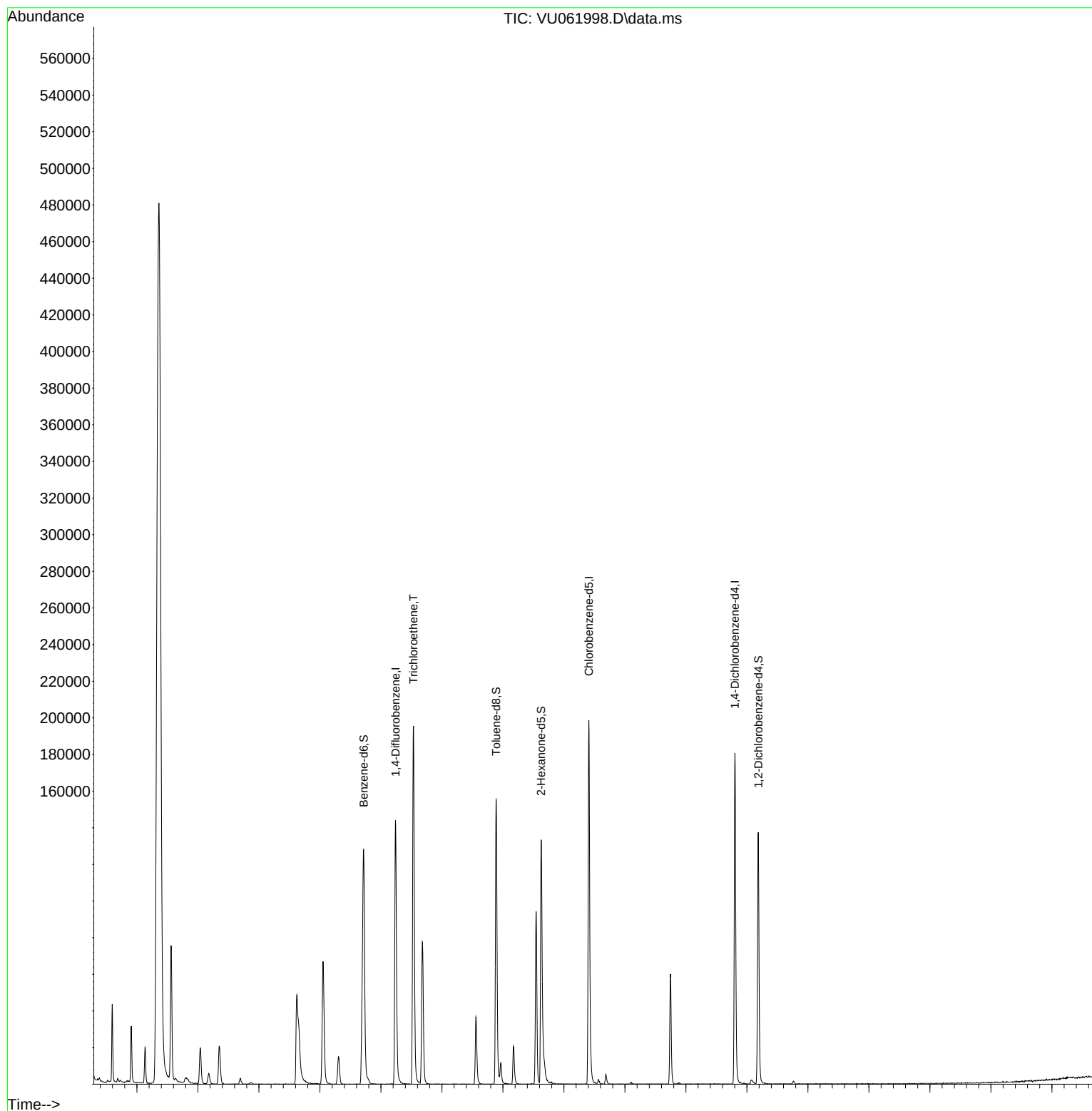
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	123078	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	116147	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	51938	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	29606	4.904	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.000%
7) Chloroethane-d5	1.907	69	22966	4.300	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.000%
11) 1,1-Dichloroethene-d2	2.560	65	13907	5.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.400%
20) 2-Butanone-d5	4.621	46	69140	36.470	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.940%
24) Chloroform-d	5.052	84	66488	4.514	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.692	65	33657	4.440	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.718	84	126380	5.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
36) 1,2-Dichloropropane-d6	6.682	67	39305	5.112	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.891	98	111915	5.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.600%
43) trans-1,3-Dichloroprop...	8.174	79	13678	4.805	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.627	63	46324	35.653	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.300%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	30052	3.911	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	39389	5.129	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
9) Trichlorofluoromethane	2.136	101	13216	0.916	ug/L	99
16) Methylene chloride	3.036	84	11003	1.110	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	8178	0.387	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	6773	0.776	ug/L	91
22) cis-1,2-Dichloroethene	4.660	96	9423	0.960	ug/L	89
29) 1,1,1-Trichloroethane	5.306	97	11585	0.865	ug/L	98
34) Trichloroethene	6.531	95	71999	7.691	ug/L	99
42) Toluene	7.965	91	9295	0.253	ug/L	95
47) Tetrachloroethene	8.544	164	21913	3.218	ug/L	92
51) Chlorobenzene	9.441	112	3976	0.158	ug/L	95
53) m,p-Xylene	9.688	106	1777	0.114	ug/L	89

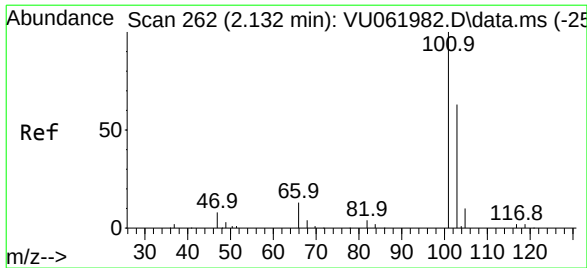
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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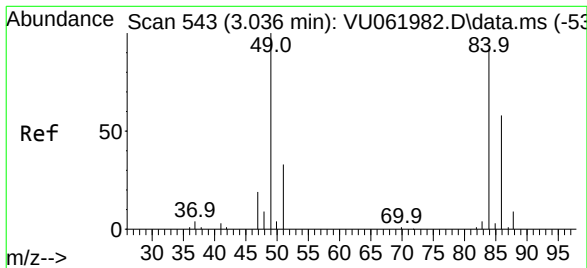
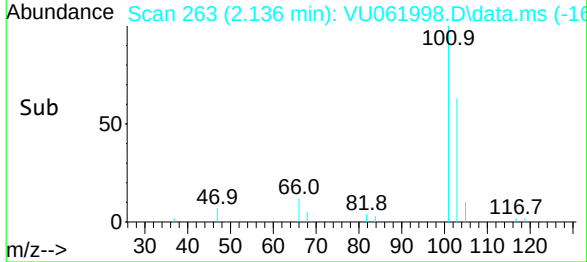
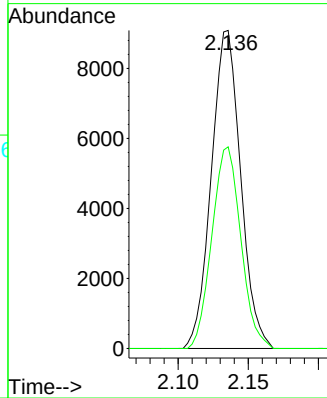
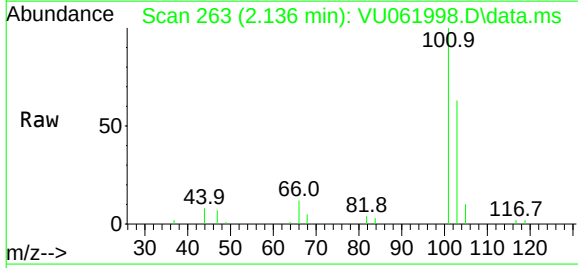




#9
 Trichlorofluoromethane
 Concen: 0.916 ug/L
 RT: 2.136 min Scan# 262
 Delta R.T. 0.003 min
 Lab File: VU061998.D
 Acq: 23 Nov 2024 02:40

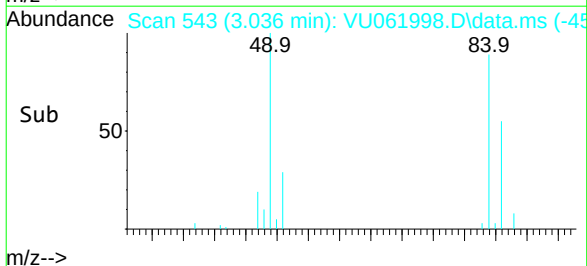
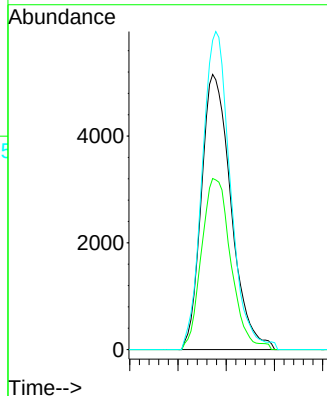
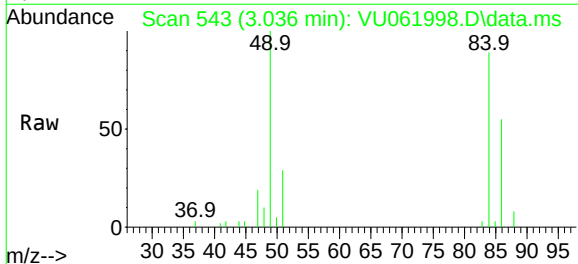
Instrument :
 MSVOA_U
 ClientSampleId :
 BG413

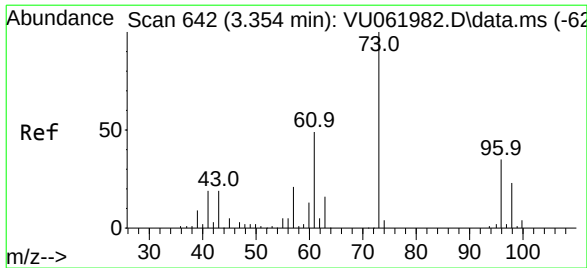
Tgt Ion: 101 Resp: 13216
 Ion Ratio Lower Upper
 101 100
 103 62.5 50.6 75.8



#16
 Methylene chloride
 Concen: 1.110 ug/L
 RT: 3.036 min Scan# 543
 Delta R.T. -0.000 min
 Lab File: VU061998.D
 Acq: 23 Nov 2024 02:40

Tgt Ion: 84 Resp: 11003
 Ion Ratio Lower Upper
 84 100
 86 62.2 43.5 80.7
 49 112.4 81.9 152.1

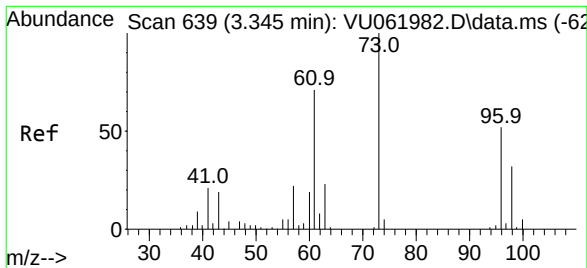
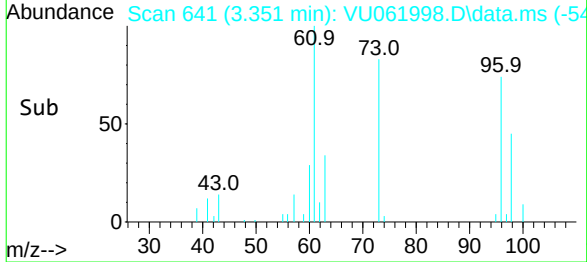
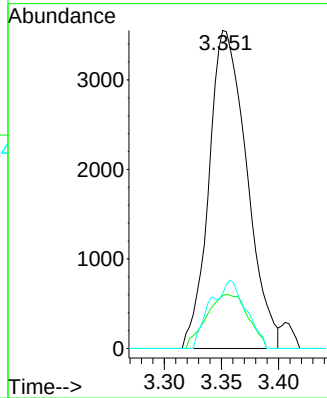
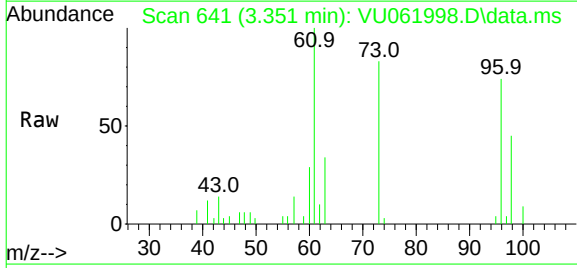




#17
Methyl tert-butyl Ether
Concen: 0.387 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU061998.D
Acq: 23 Nov 2024 02:40

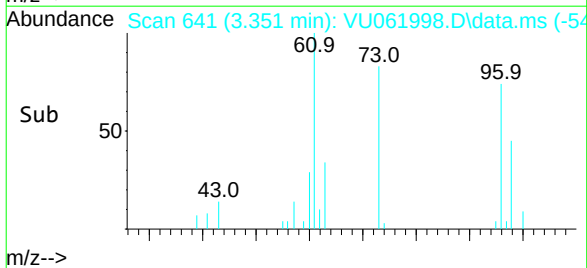
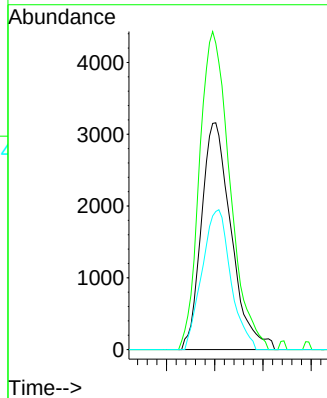
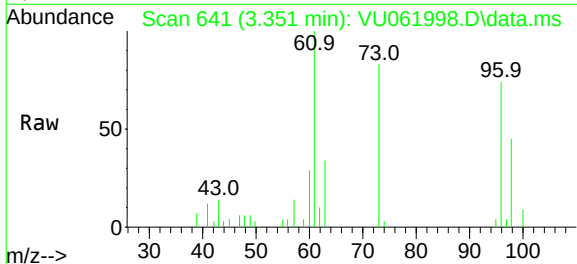
Instrument :
MSVOA_U
ClientSampleId :
BG413

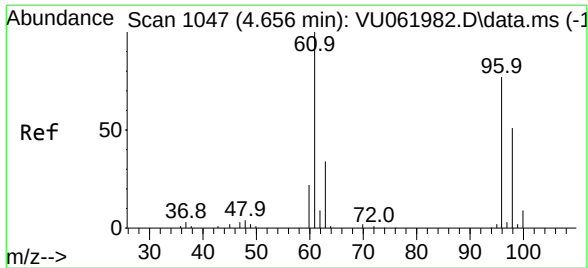
Tgt Ion: 73	Resp: 8178
Ion Ratio	Lower Upper
73 100	
43 18.6	16.3 24.5
57 20.3	17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 0.776 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU061998.D
Acq: 23 Nov 2024 02:40

Tgt Ion: 96	Resp: 6773
Ion Ratio	Lower Upper
96 100	
61 135.1	104.2 193.4
98 60.9	45.7 84.9

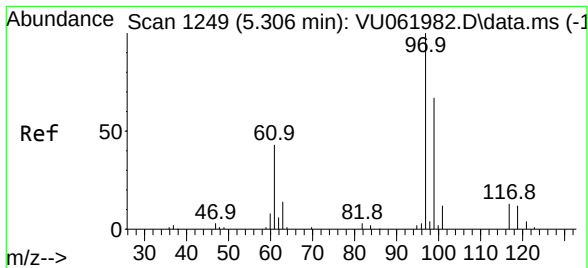
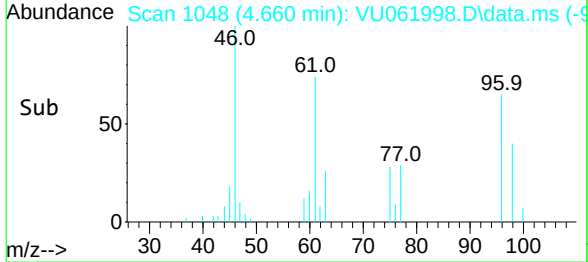
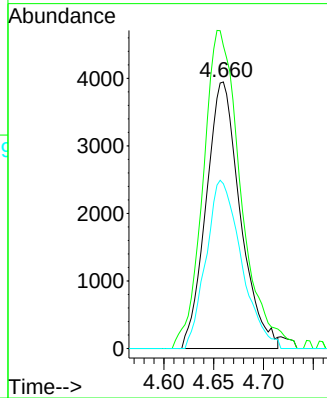
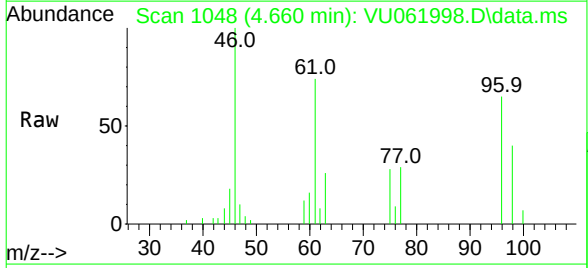




#22
cis-1,2-Dichloroethene
Concen: 0.960 ug/L
RT: 4.660 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU061998.D
Acq: 23 Nov 2024 02:40

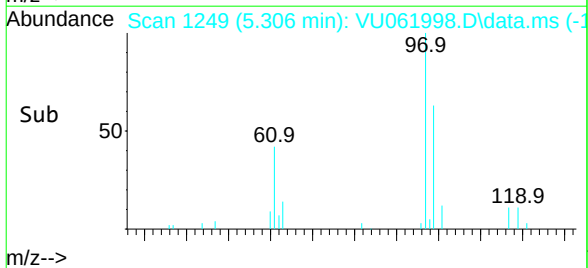
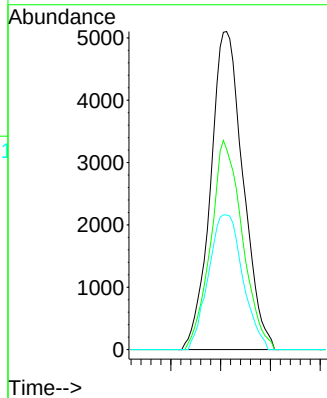
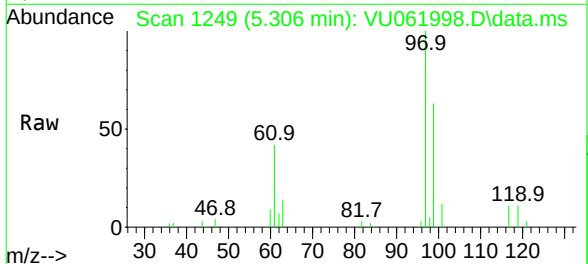
Instrument :
MSVOA_U
ClientSampleId :
BG413

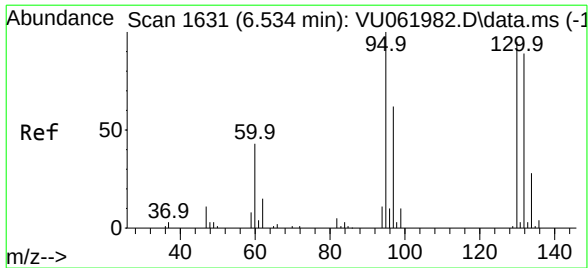
Tgt Ion: 96	Resp: 9423
Ion Ratio	Lower Upper
96 100	
61 113.6	92.0 170.8
98 61.8	44.5 82.7



#29
1,1,1-Trichloroethane
Concen: 0.865 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU061998.D
Acq: 23 Nov 2024 02:40

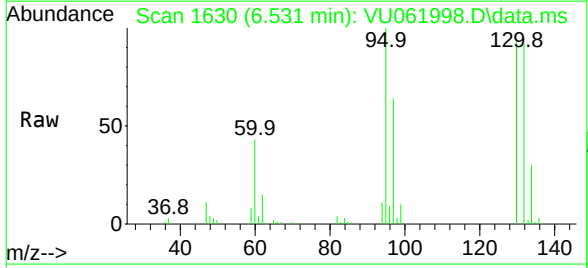
Tgt Ion: 97	Resp: 11585
Ion Ratio	Lower Upper
97 100	
99 63.9	51.4 77.2
61 44.4	37.8 56.6





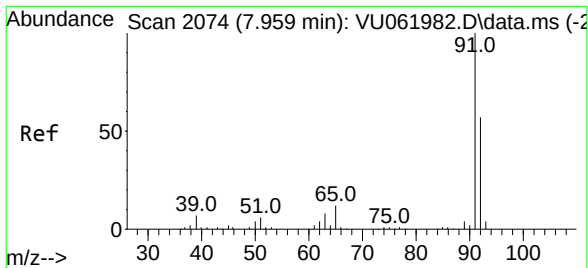
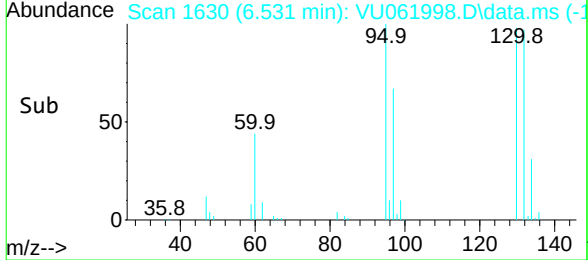
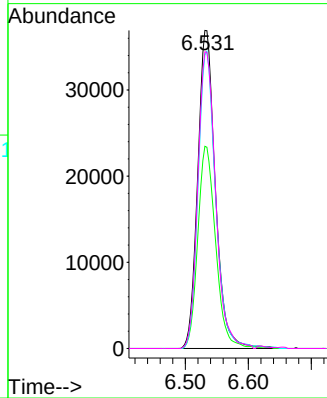
#34
Trichloroethene
Concen: 7.691 ug/L
RT: 6.531 min Scan# 16
Delta R.T. -0.003 min
Lab File: VU061998.D
Acq: 23 Nov 2024 02:40

Instrument :
MSVOA_U
ClientSampleId :
BG413



Tgt Ion: 95 Resp: 71999

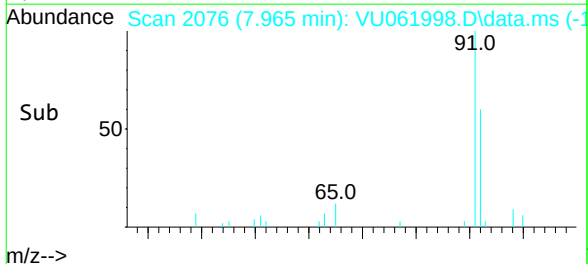
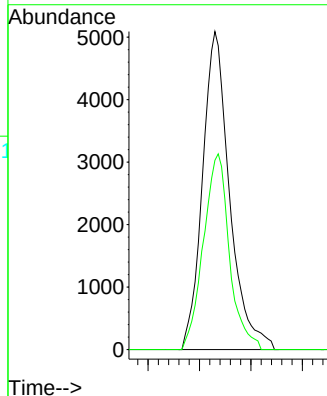
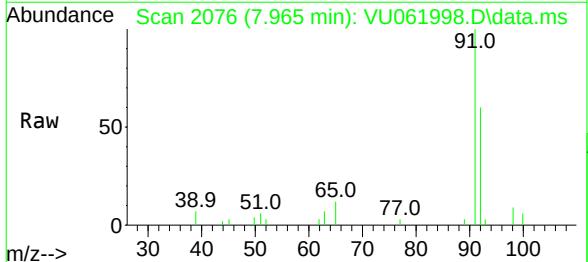
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.9	85.3
132	92.3	63.8	118.4
130	93.3	65.5	121.7

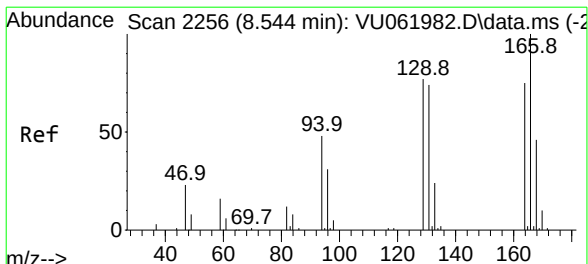


#42
Toluene
Concen: 0.253 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.006 min
Lab File: VU061998.D
Acq: 23 Nov 2024 02:40

Tgt Ion: 91 Resp: 9295

Ion	Ratio	Lower	Upper
91	100		
92	59.5	39.0	72.4

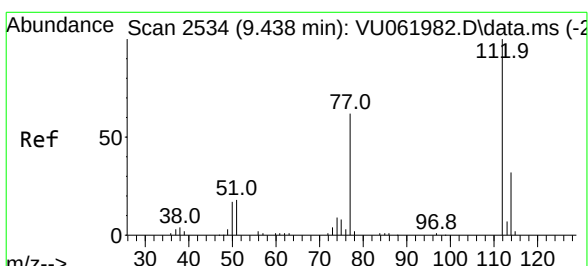
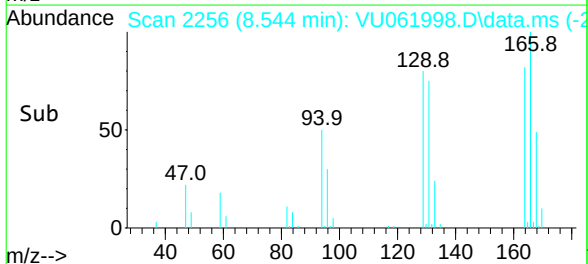
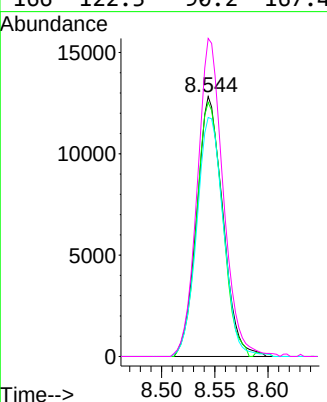
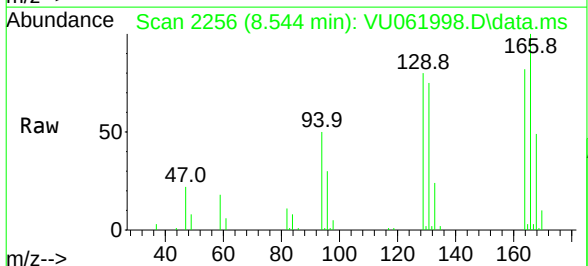




#47
 Tetrachloroethene
 Concen: 3.218 ug/L
 RT: 8.544 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VU061998.D
 Acq: 23 Nov 2024 02:40

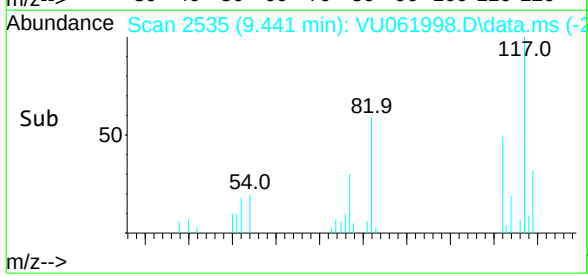
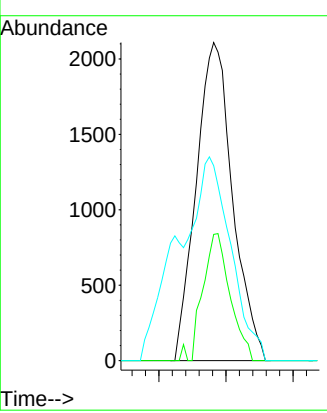
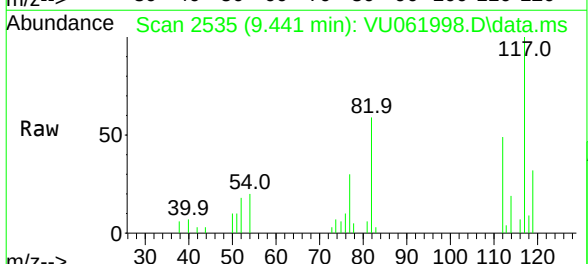
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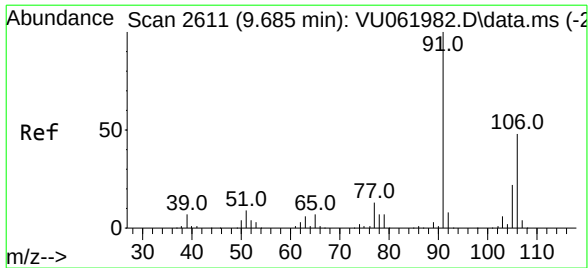
Tgt Ion:	164	Resp:	21913
Ion	Ratio	Lower	Upper
164	100		
129	97.7	73.2	136.0
131	91.9	72.3	134.3
166	122.3	90.2	167.4



#51
 Chlorobenzene
 Concen: 0.158 ug/L
 RT: 9.441 min Scan# 2535
 Delta R.T. 0.003 min
 Lab File: VU061998.D
 Acq: 23 Nov 2024 02:40

Tgt Ion:	112	Resp:	3976
Ion	Ratio	Lower	Upper
112	100		
114	36.9	23.0	42.6
77	66.3	50.5	75.7





#53
 m,p-Xylene
 Concen: 0.114 ug/L
 RT: 9.688 min Scan# 2612
 Delta R.T. 0.003 min
 Lab File: VU061998.D
 Acq: 23 Nov 2024 02:40

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Tgt Ion:	106	Resp:	1777
Ion	Ratio	Lower	Upper
106	100		
91	227.8	147.6	274.0

