

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112024\
 Data File : VU061893.D
 Acq On : 21 Nov 2024 03:38
 Operator : MD/SY
 Sample : P4885-14
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3R0

Quant Time: Nov 21 07:26:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 21 03:29:06 2024
 Response via : Initial Calibration

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

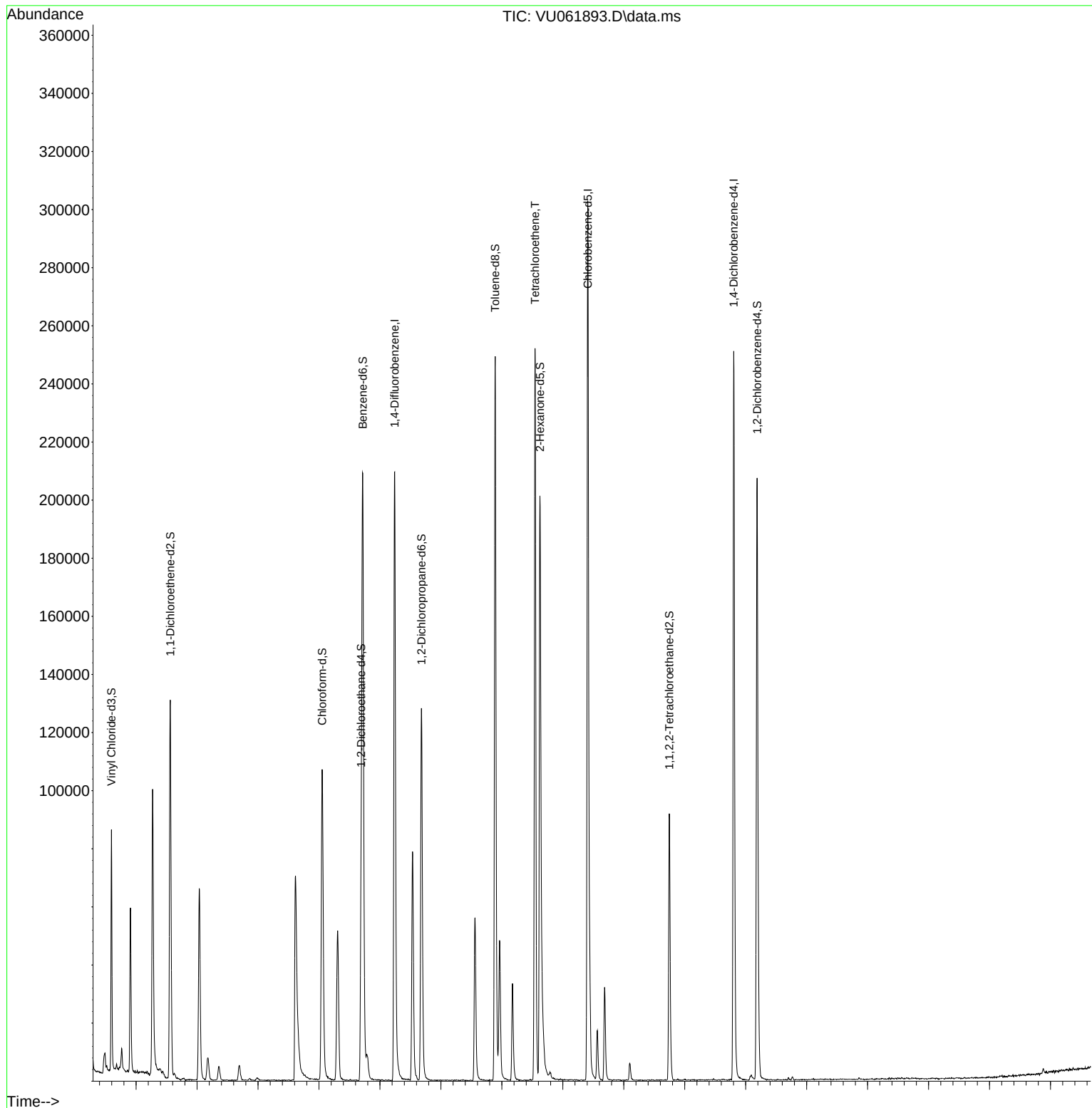
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	176475	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	166331	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	68760	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53726	6.207	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.200%
7) Chloroethane-d5	1.907	69	42660	5.571	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.400%
11) 1,1-Dichloroethene-d2	2.560	65	23377	6.760	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	135.200%#
20) 2-Butanone-d5	4.612	46	106707	39.255	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.500%
24) Chloroform-d	5.052	84	99897	4.730	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.692	65	53081	4.884	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.718	84	201631	6.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.400%
36) 1,2-Dichloropropane-d6	6.682	67	62621	5.687	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.800%
41) Toluene-d8	7.891	98	172967	6.399	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.000%
43) trans-1,3-Dichloroprop...	8.174	79	19806	4.858	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.200%
46) 2-Hexanone-d5	8.624	63	72970	39.217	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.440%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	46489	4.225	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	53428	5.255	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds	Qvalue					
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	7676	0.603	ug/L	95
16) Methylene chloride	3.036	84	33133	2.332	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	5291	0.174	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	2281	0.162	ug/L	87
27) 1,2-Dichloroethane	5.795	62	5815	0.355	ug/L	95
29) 1,1,1-Trichloroethane	5.306	97	37646	1.964	ug/L	99
34) Trichloroethene	6.534	95	28124	2.098	ug/L	96
42) Toluene	7.962	91	36310	0.689	ug/L	97
47) Tetrachloroethene	8.544	164	53099	5.446	ug/L	99
51) Chlorobenzene	9.441	112	16371	0.453	ug/L	98
52) Ethylbenzene	9.566	91	12851	0.204	ug/L	97
53) m,p-Xylene	9.685	106	9940	0.447	ug/L	89
67) 1,2-Dichlorobenzene	12.206	146	9381	0.453	ug/L	99

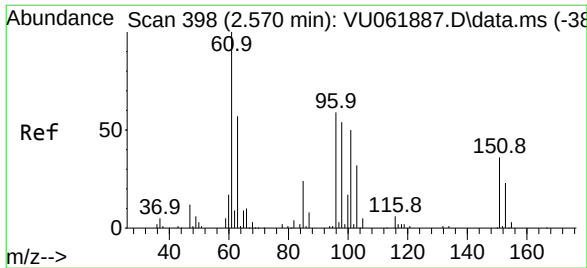
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

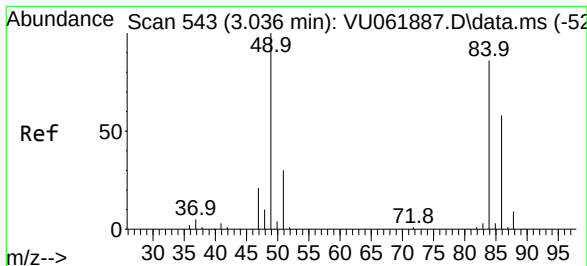
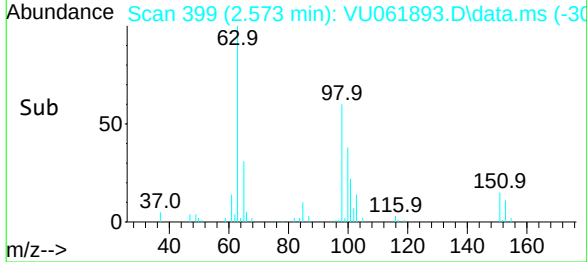
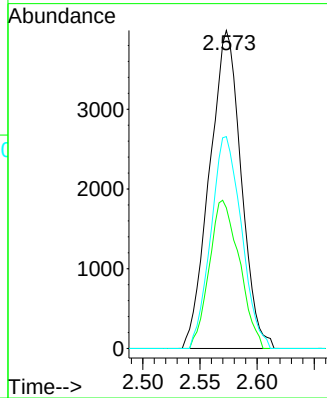
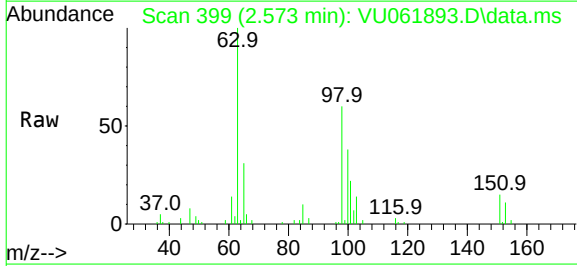




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.603 ug/L
RT: 2.573 min Scan# 39
Delta R.T. 0.003 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

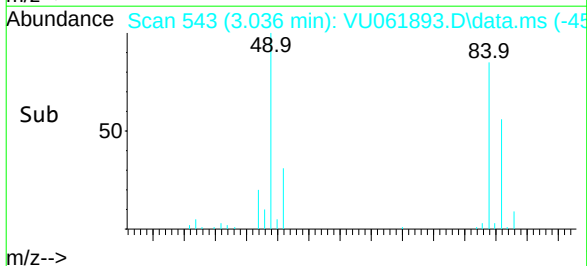
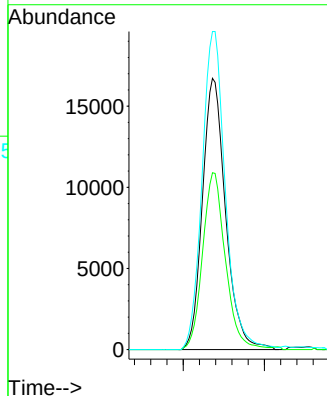
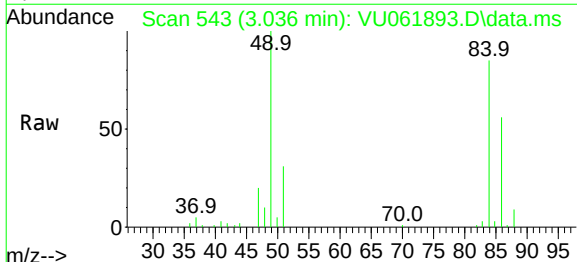
Instrument :
MSVOA_U
ClientSampleId :
BG3R0

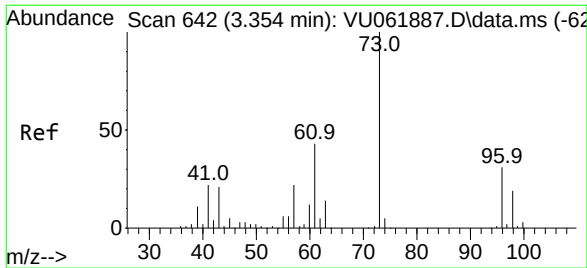
Tgt Ion: 101 Resp: 7676
Ion Ratio Lower Upper
101 100
85 44.4 38.0 57.0
151 64.5 55.3 82.9



#16
Methylene chloride
Concen: 2.332 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

Tgt Ion: 84 Resp: 33133
Ion Ratio Lower Upper
84 100
86 65.2 43.5 80.7
49 117.2 81.9 152.1

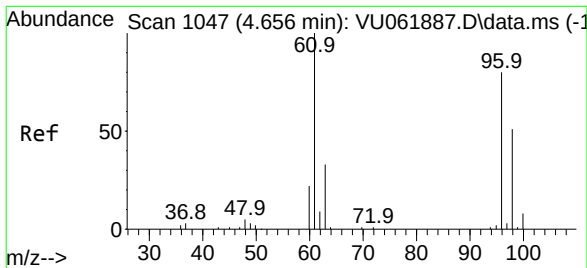
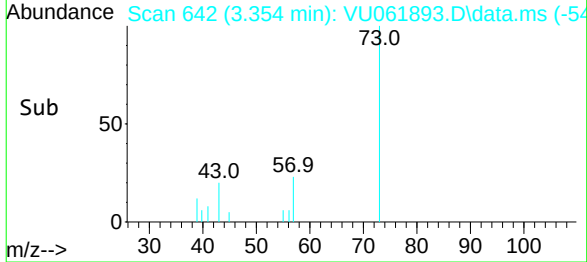
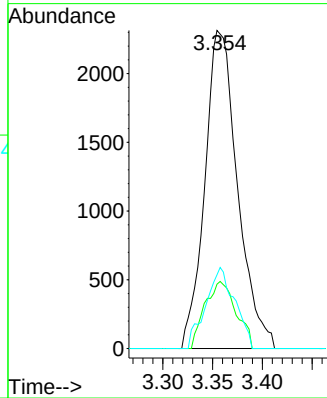
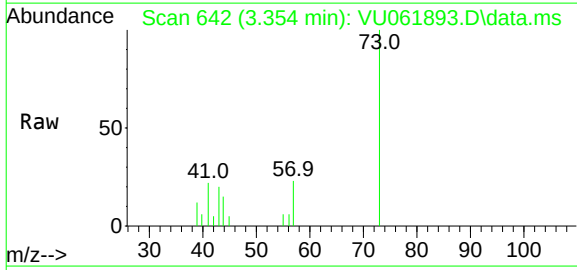




#17
Methyl tert-butyl Ether
Concen: 0.174 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

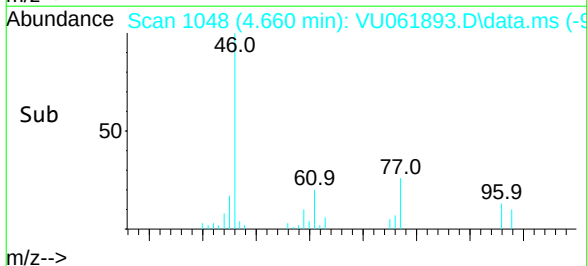
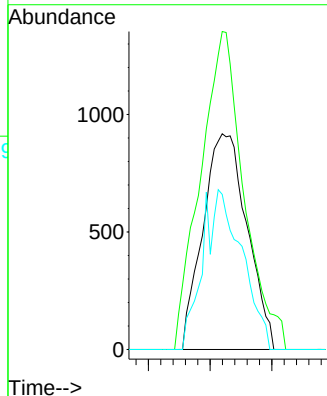
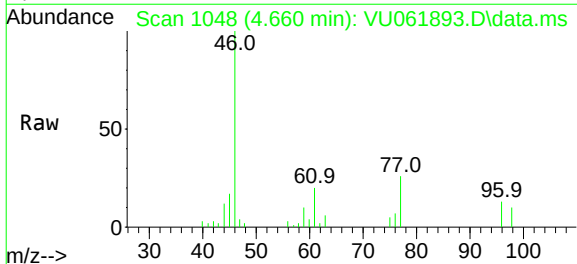
Instrument :
MSVOA_U
ClientSampleId :
BG3R0

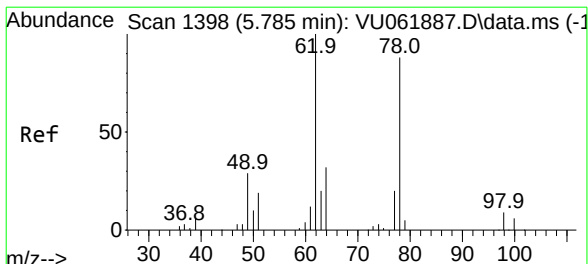
Tgt Ion:	73	Resp:	5291
Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.3	24.5
57	22.6	17.1	25.7



#22
cis-1,2-Dichloroethene
Concen: 0.162 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

Tgt Ion:	96	Resp:	2281
Ion	Ratio	Lower	Upper
96	100		
61	147.4	92.0	170.8
98	71.9	44.5	82.7

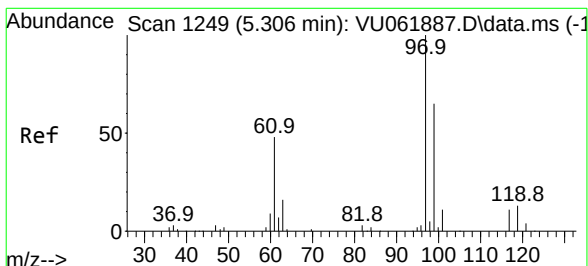
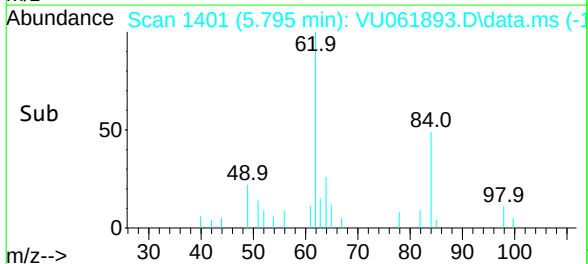
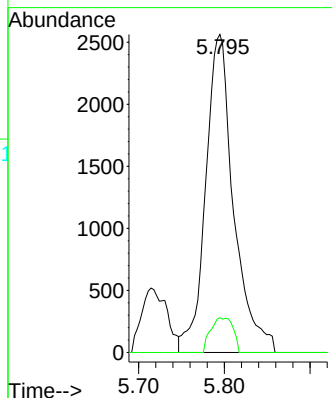
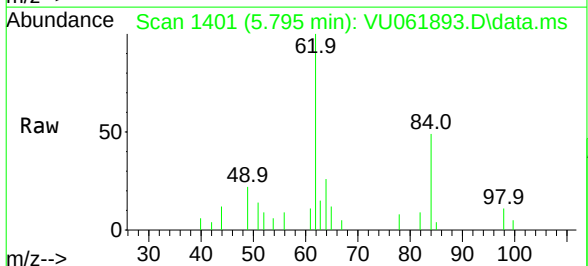




#27
 1,2-Dichloroethane
 Concen: 0.355 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.010 min
 Lab File: VU061893.D
 Acq: 21 Nov 2024 03:38

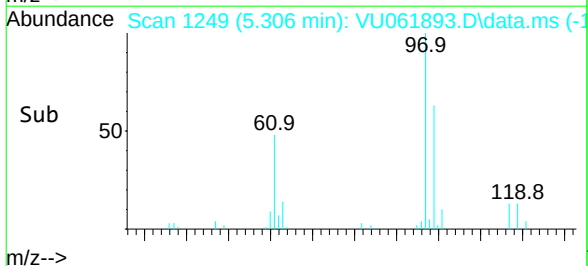
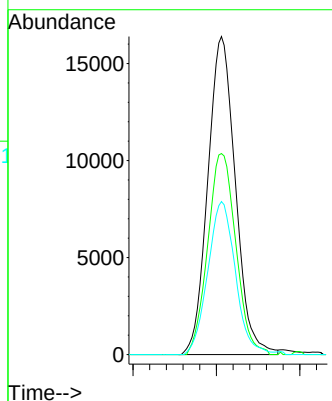
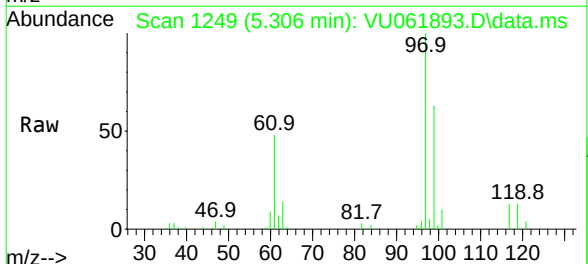
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3R0

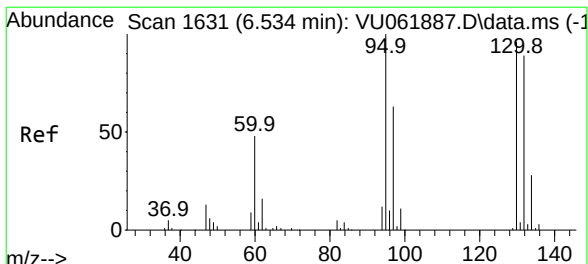
Tgt Ion:	62	Resp:	5815
Ion	Ratio	Lower	Upper
62	100		
98	10.9	7.4	11.0



#29
 1,1,1-Trichloroethane
 Concen: 1.964 ug/L
 RT: 5.306 min Scan# 1249
 Delta R.T. 0.000 min
 Lab File: VU061893.D
 Acq: 21 Nov 2024 03:38

Tgt Ion:	97	Resp:	37646
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	48.2	37.8	56.6

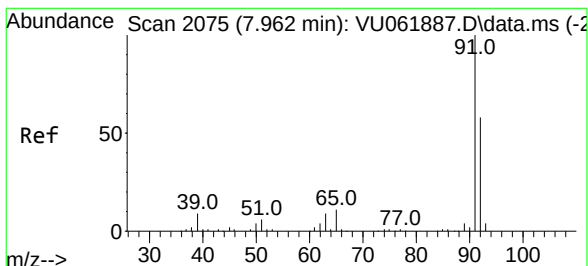
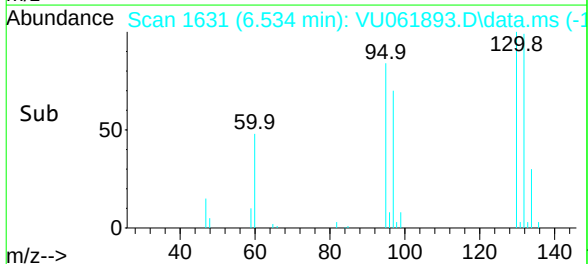
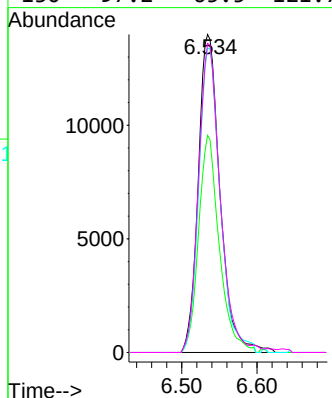
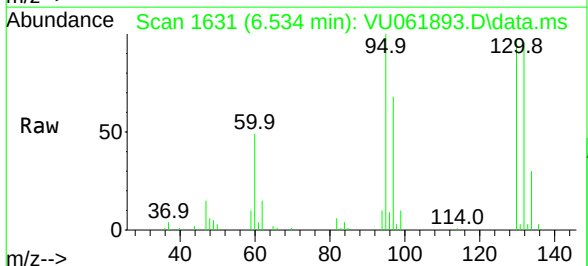




#34
 Trichloroethene
 Concen: 2.098 ug/L
 RT: 6.534 min Scan# 1631
 Delta R.T. 0.000 min
 Lab File: VU061893.D
 Acq: 21 Nov 2024 03:38

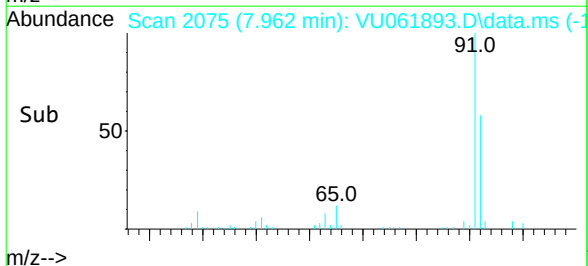
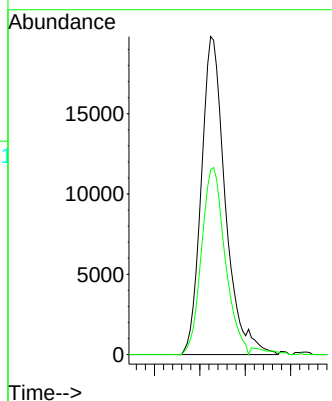
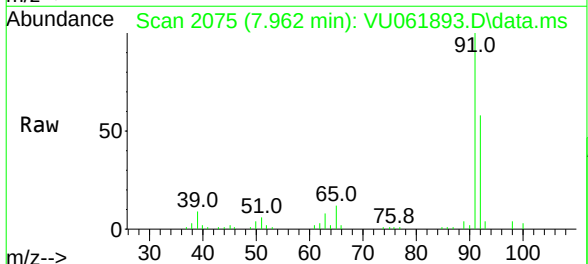
Instrument :
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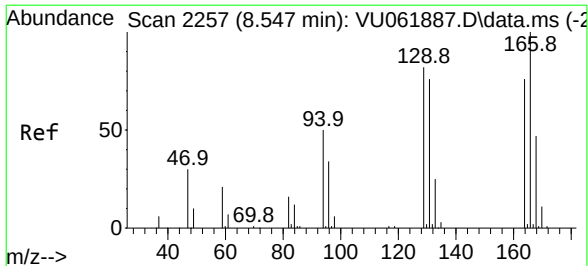
Tgt Ion:	95	Resp:	28124
Ion	Ratio	Lower	Upper
95	100		
97	68.3	45.9	85.3
132	95.7	63.8	118.4
130	97.2	65.5	121.7



#42
 Toluene
 Concen: 0.689 ug/L
 RT: 7.962 min Scan# 2075
 Delta R.T. 0.000 min
 Lab File: VU061893.D
 Acq: 21 Nov 2024 03:38

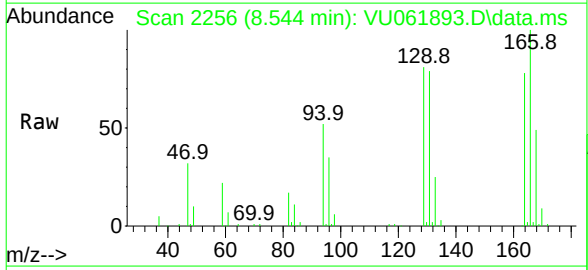
Tgt Ion:	91	Resp:	36310
Ion	Ratio	Lower	Upper
91	100		
92	58.1	39.0	72.4



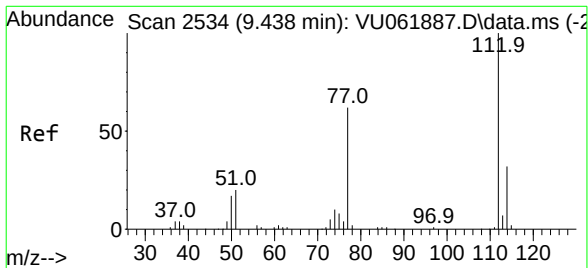
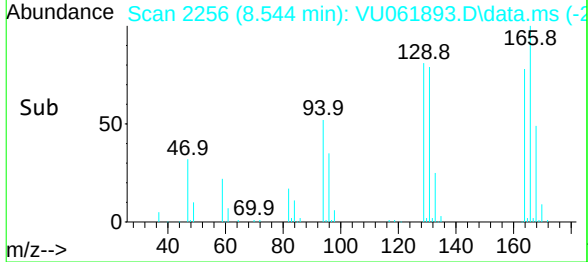
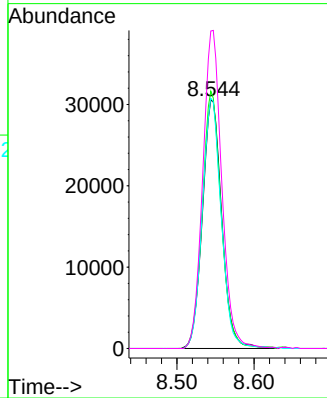


#47
Tetrachloroethene
Concen: 5.446 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

Instrument :
MSVOA_U
ClientSampleId :
BG3R0

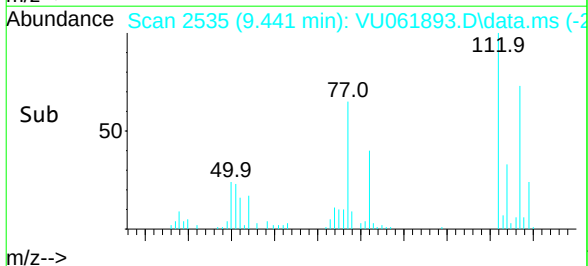
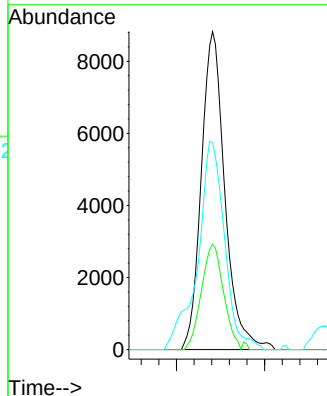
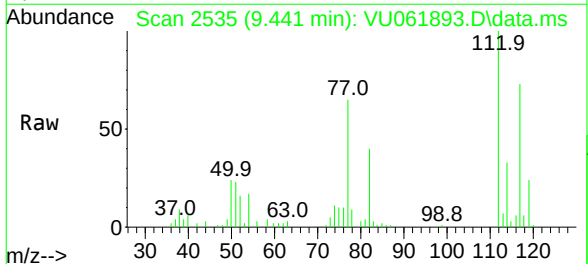


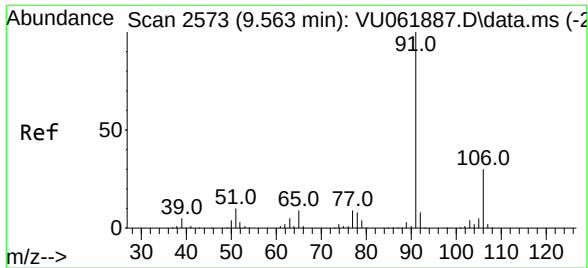
Tgt Ion:	164	Resp:	53099
Ion	Ratio	Lower	Upper
164	100		
129	103.6	73.2	136.0
131	100.7	72.3	134.3
166	127.8	90.2	167.4



#51
Chlorobenzene
Concen: 0.453 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

Tgt Ion:	112	Resp:	16371
Ion	Ratio	Lower	Upper
112	100		
114	33.1	23.0	42.6
77	65.0	50.5	75.7

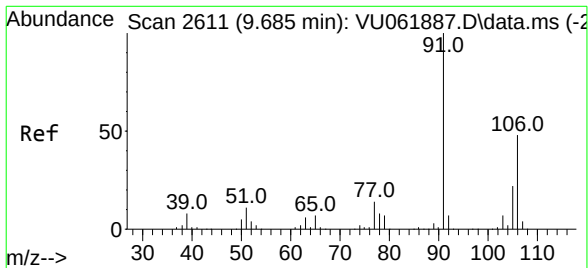
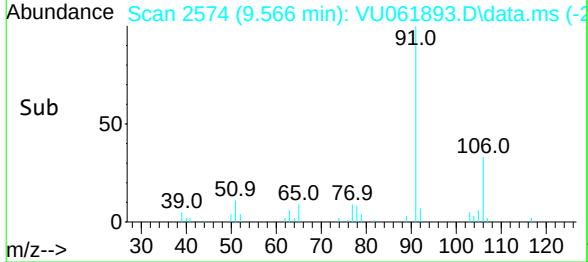
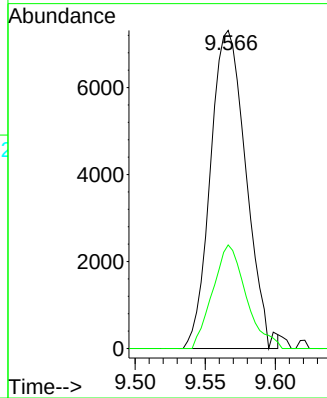
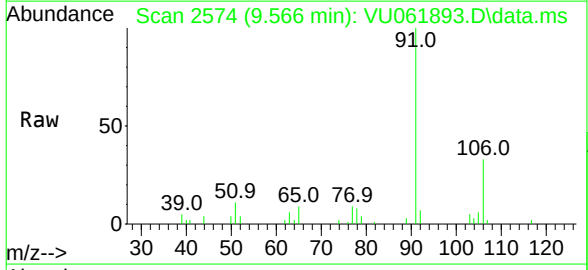




#52
Ethylbenzene
Concen: 0.204 ug/L
RT: 9.566 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

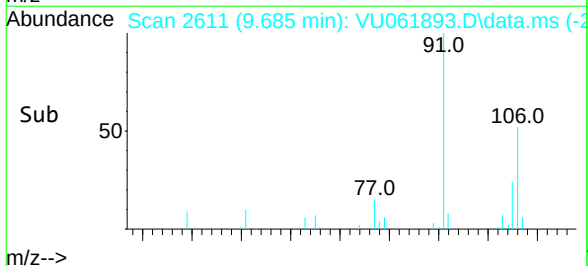
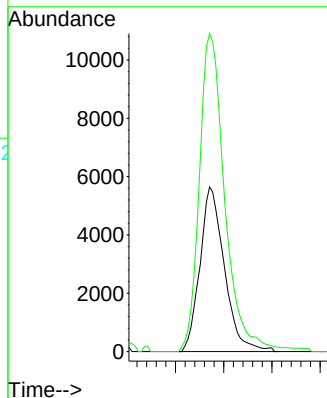
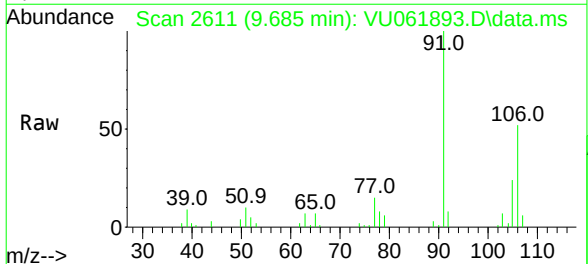
Instrument :
MSVOA_U
ClientSampleId :
BG3R0

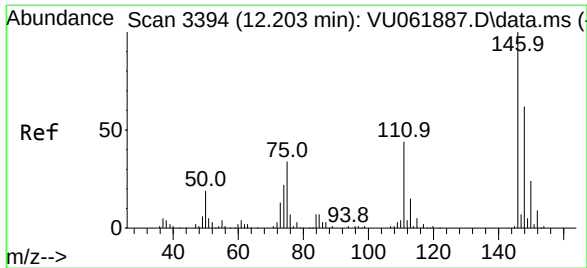
Tgt Ion: 91 Resp: 12851
Ion Ratio Lower Upper
91 100
106 32.6 21.6 40.0



#53
m,p-Xylene
Concen: 0.447 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

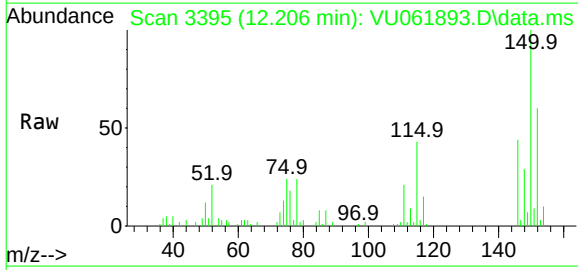
Tgt Ion: 106 Resp: 9940
Ion Ratio Lower Upper
106 100
91 193.0 147.6 274.0





#67
1,2-Dichlorobenzene
Concen: 0.453 ug/L
RT: 12.206 min Scan# 33
Delta R.T. 0.003 min
Lab File: VU061893.D
Acq: 21 Nov 2024 03:38

Instrument :
MSVOA_U
ClientSampleId :
BG3R0



Tgt Ion:	146	Resp:	9381
Ion	Ratio	Lower	Upper
146	100		
111	47.0	36.0	54.0
148	65.6	52.3	78.5

