

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111824\
 Data File : VU061841.D
 Acq On : 19 Nov 2024 03:51
 Operator : MD/SY
 Sample : P4885-12
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q8

Quant Time: Nov 19 04:37:57 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)

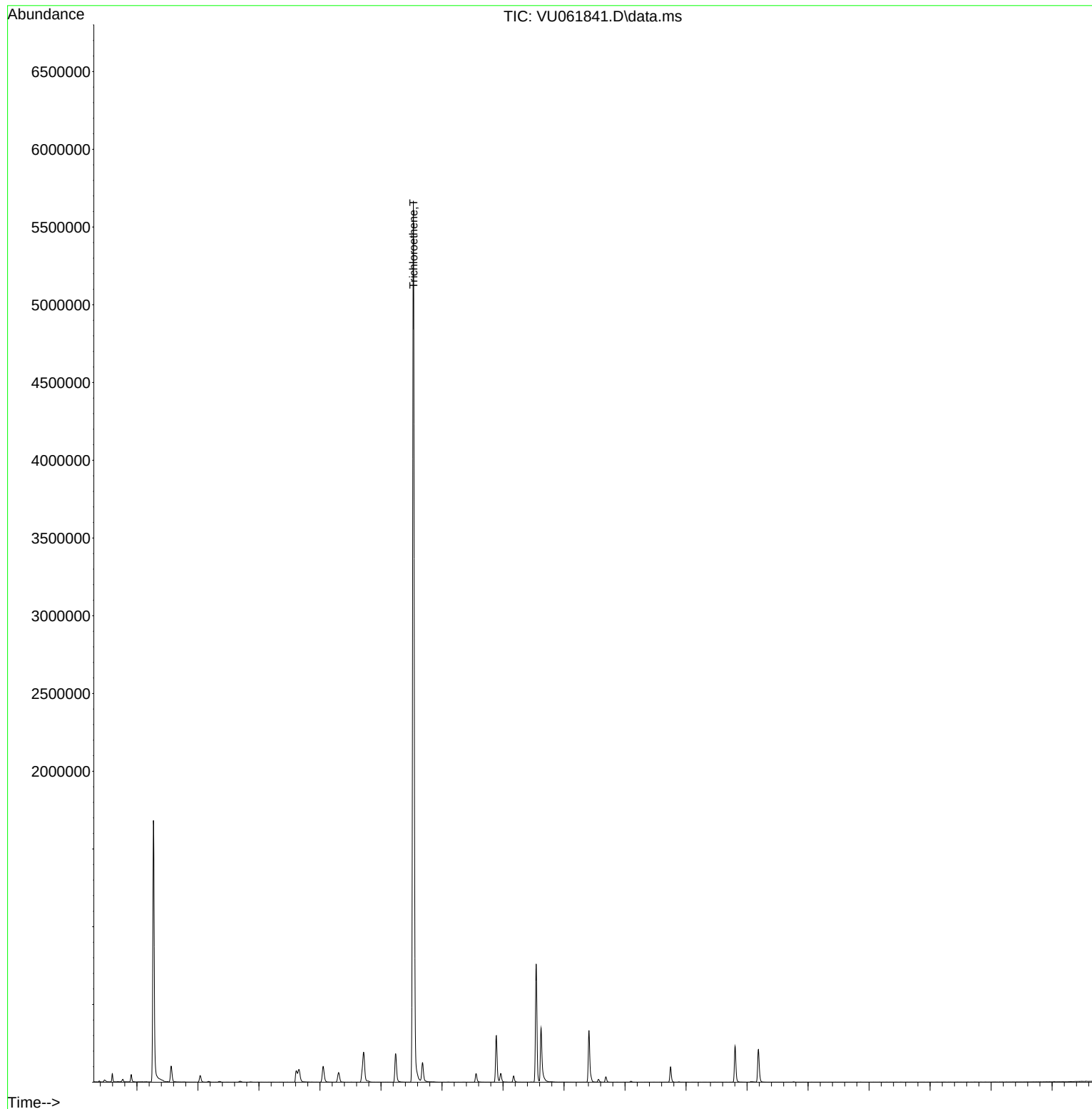
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	163957	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	187791	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	67122	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	34830	3.288	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.800%
7) Chloroethane-d5	1.907	69	35061	3.877	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.560	65	16560	3.484	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.600%
20) 2-Butanone-d5	4.612	46	108506	48.257	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.520%
24) Chloroform-d	5.052	84	94063	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.692	65	49186	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.718	84	191538	3.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
36) 1,2-Dichloropropane-d6	6.682	67	59822	3.904	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.000%
41) Toluene-d8	7.891	98	211526	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.174	79	23133	4.099	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.624	63	127115	56.995	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.980%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	48984	4.055	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	12.184	152	58782	4.917	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.383	85	3537	0.290	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	6284	0.593	ug/L	95
12) 1,1-Dichloroethene	2.573	96	3572	0.361	ug/L #	1
16) Methylene chloride	3.036	84	22590	1.980	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	41431	3.384	ug/L	95
27) 1,2-Dichloroethane	5.792	62	4329	0.331	ug/L #	92
29) 1,1,1-Trichloroethane	5.306	97	45377	2.123	ug/L	99
34) Trichloroethene	6.531	95	1936574	126.190	ug/L	97
42) Toluene	7.965	91	44576	0.728	ug/L	99
47) Tetrachloroethene	8.544	164	174487	15.131	ug/L	98
51) Chlorobenzene	9.441	112	17456	0.443	ug/L	95
52) Ethylbenzene	9.566	91	14260	0.219	ug/L	95
53) m,p-Xylene	9.688	106	10687	0.428	ug/L	93
67) 1,2-Dichlorobenzene	12.203	146	10778	0.543	ug/L	99

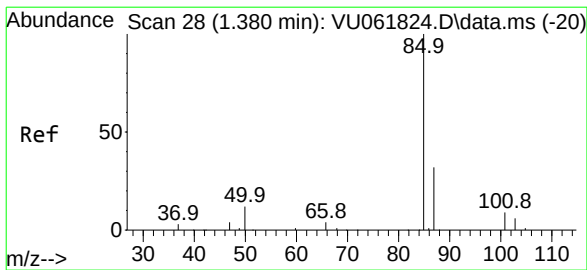
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.290 ug/L

RT: 1.383 min Scan# 29

Delta R.T. 0.003 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

ClientSampleId :

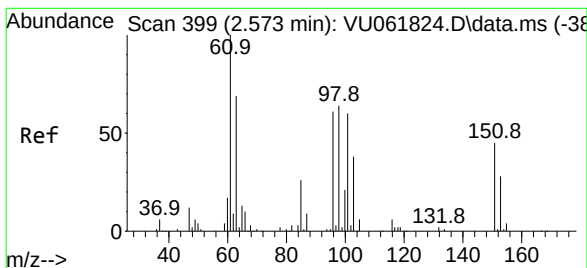
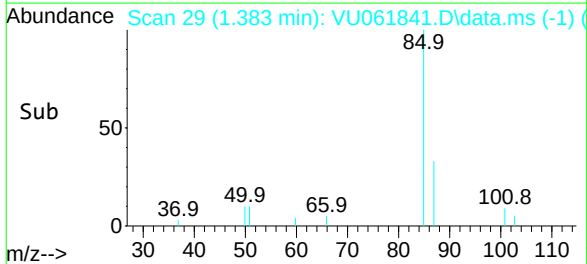
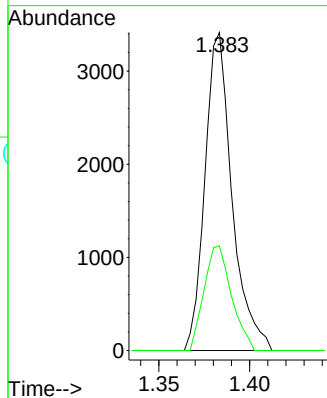
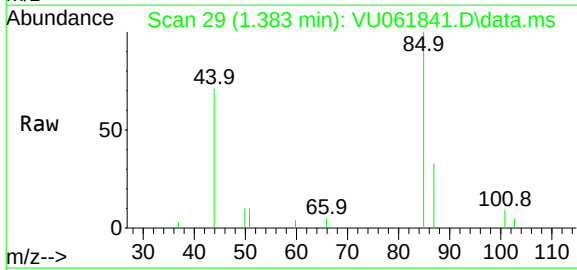
BG3Q8

Tgt Ion: 85 Resp: 3537

Ion Ratio Lower Upper

85 100

87 33.3 26.0 39.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.593 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

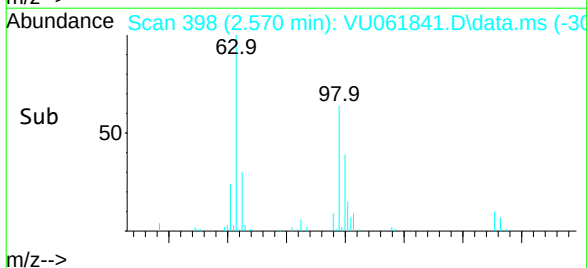
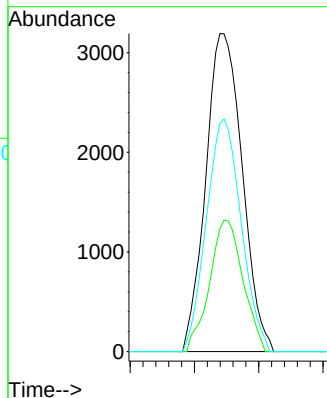
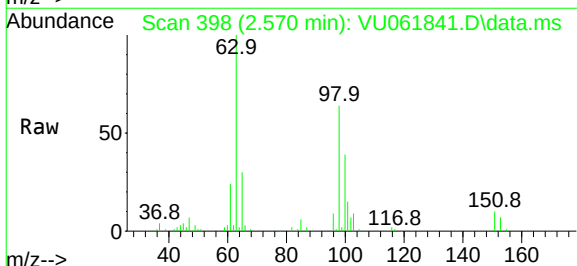
Tgt Ion: 101 Resp: 6284

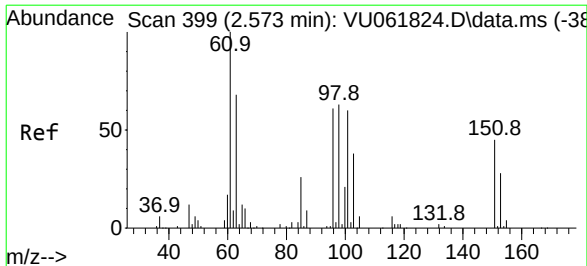
Ion Ratio Lower Upper

101 100

85 37.7 35.1 52.7

151 69.8 56.9 85.3

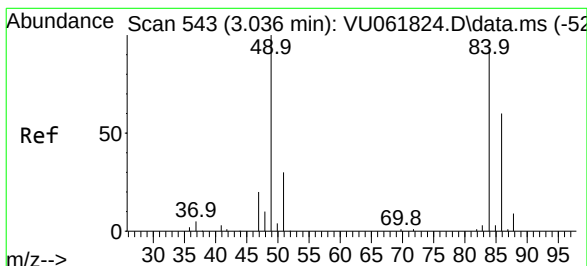
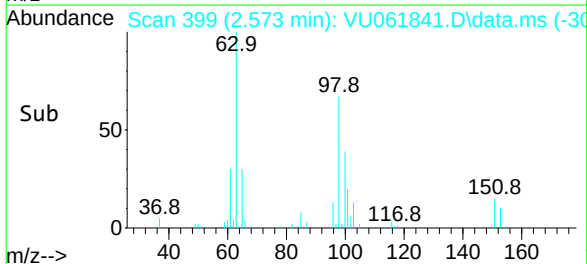
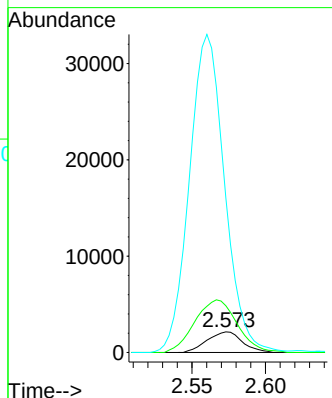
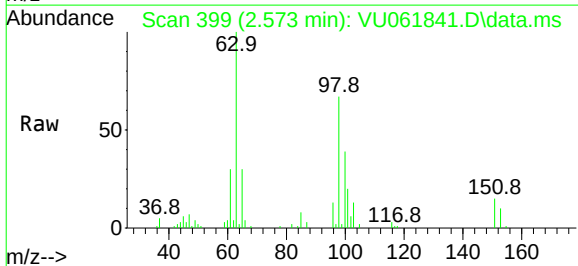




#12
1,1-Dichloroethene
Concen: 0.361 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

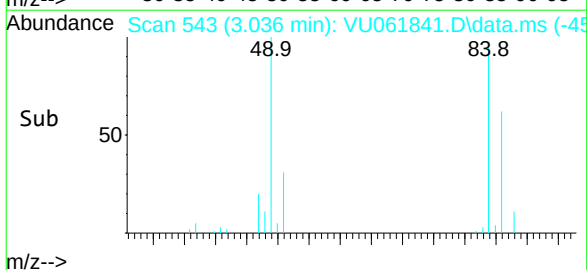
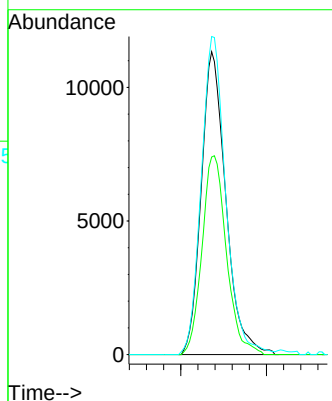
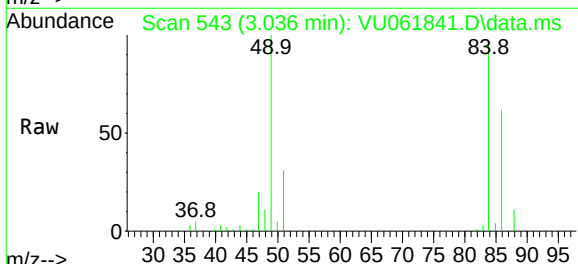
Instrument :
MSVOA_U
ClientSampleId :
BG3Q8

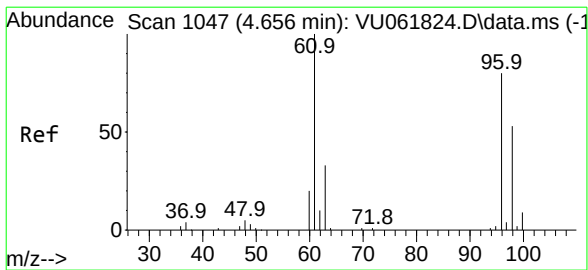
Tgt Ion: 96 Resp: 3572
Ion Ratio Lower Upper
96 100
61 227.0 116.8 217.0#
63 752.2 86.1 159.9#



#16
Methylene chloride
Concen: 1.980 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU061841.D
Acq: 19 Nov 2024 03:51

Tgt Ion: 84 Resp: 22590
Ion Ratio Lower Upper
84 100
86 65.2 45.1 83.7
49 105.0 76.3 141.7

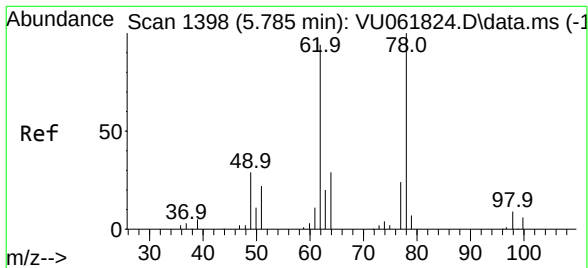
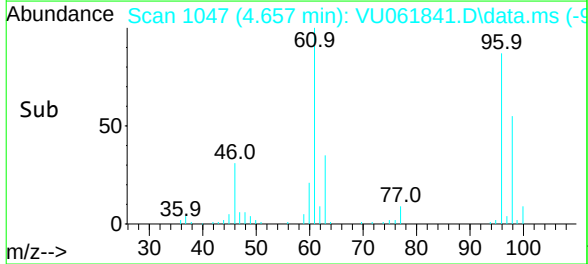
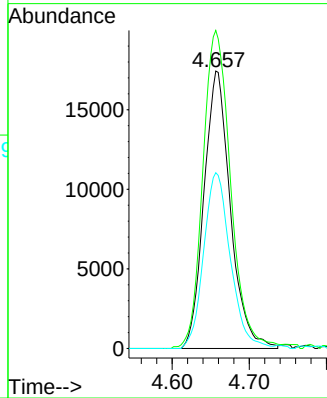
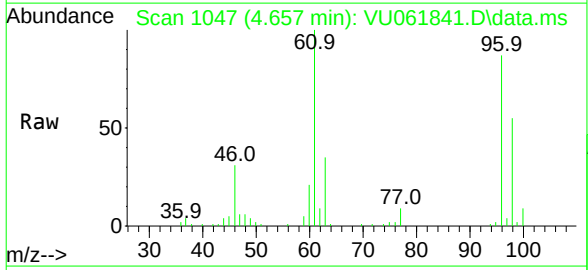




#22
 cis-1,2-Dichloroethene
 Concen: 3.384 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

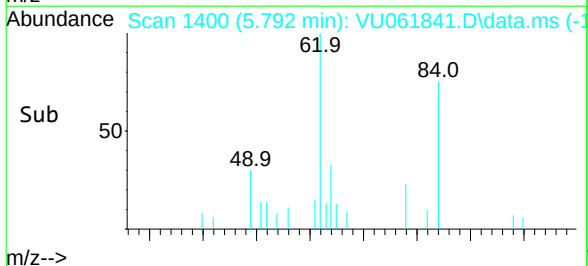
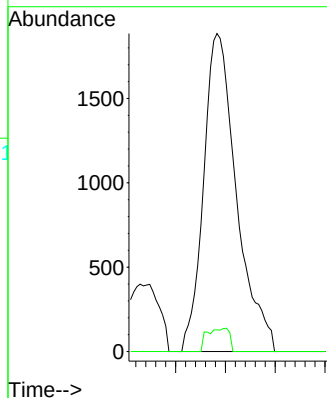
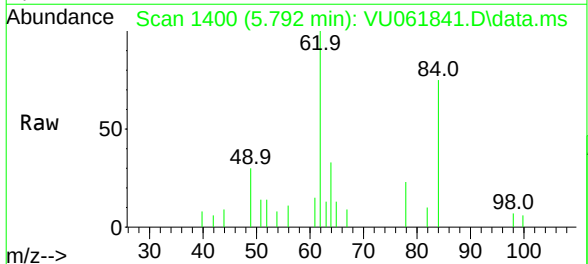
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3Q8

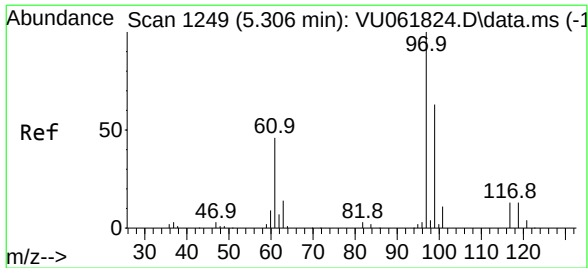
Tgt Ion:	96	Resp:	41431
Ion	Ratio	Lower	Upper
96	100		
61	114.6	85.6	159.0
98	63.4	45.6	84.8



#27
 1,2-Dichloroethane
 Concen: 0.331 ug/L
 RT: 5.792 min Scan# 1400
 Delta R.T. 0.007 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

Tgt Ion:	62	Resp:	4329
Ion	Ratio	Lower	Upper
62	100		
98	6.8	7.7	11.5#

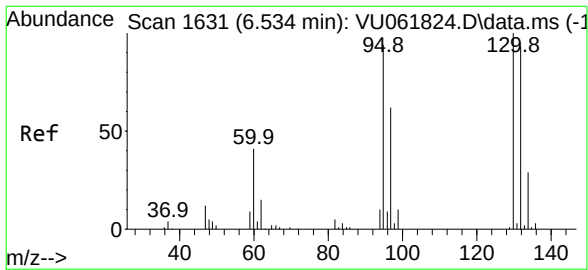
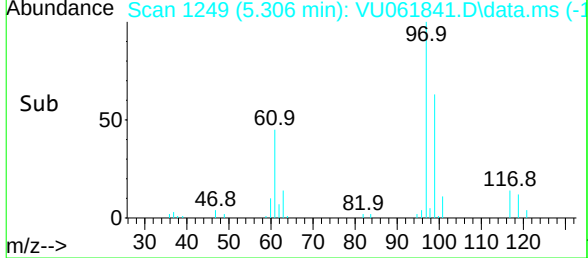
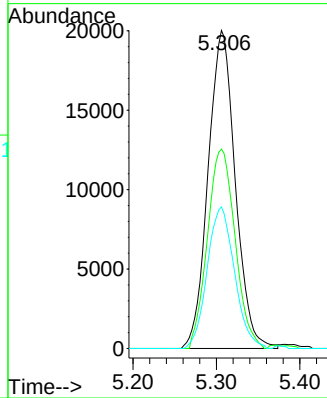
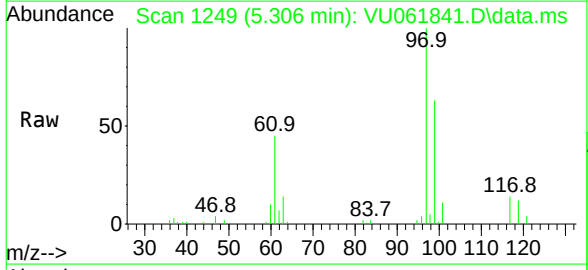




#29
 1,1,1-Trichloroethane
 Concen: 2.123 ug/L
 RT: 5.306 min Scan# 12
 Delta R.T. 0.000 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

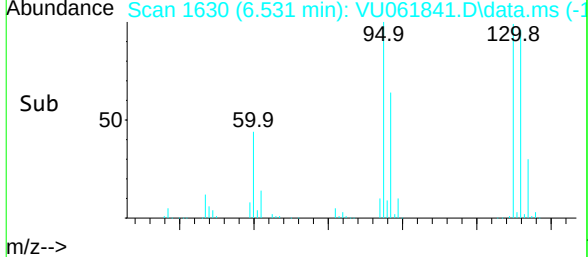
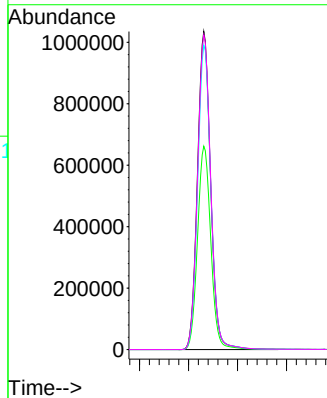
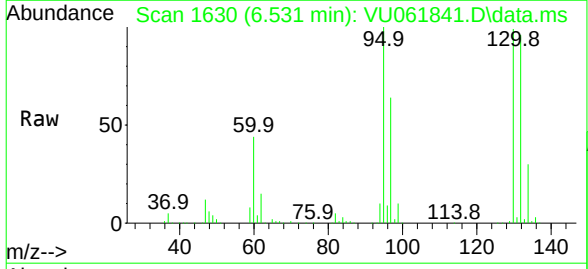
Instrument :
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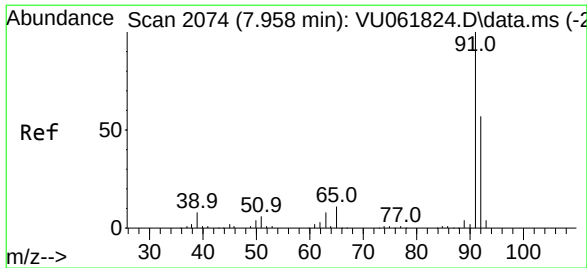
Tgt Ion:	97	Resp:	45377
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	44.6	35.4	53.0



#34
 Trichloroethene
 Concen: 126.190 ug/L
 RT: 6.531 min Scan# 1630
 Delta R.T. -0.003 min
 Lab File: VU061841.D
 Acq: 19 Nov 2024 03:51

Tgt Ion:	95	Resp:	1936574
Ion	Ratio	Lower	Upper
95	100		
97	63.9	43.5	80.9
132	95.7	65.2	121.0
130	98.9	67.5	125.3





#42

Toluene

Concen: 0.728 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

ClientSampleId :

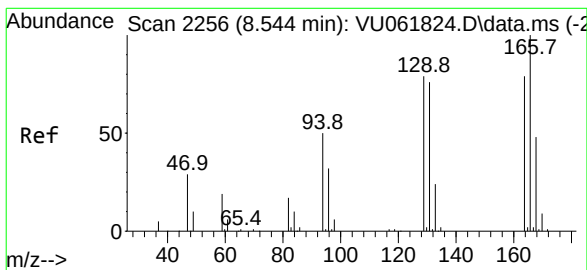
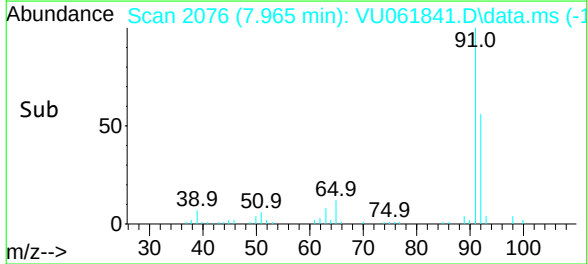
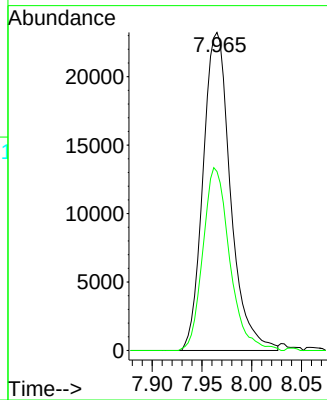
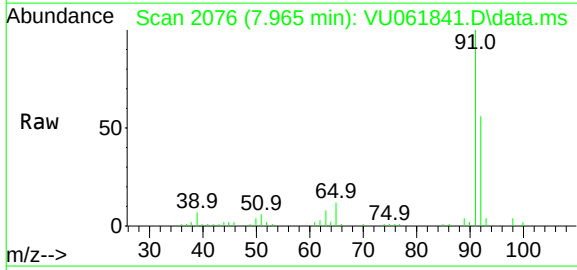
BG3Q8

Tgt Ion: 91 Resp: 44576

Ion Ratio Lower Upper

91 100

92 56.3 39.7 73.7



#47

Tetrachloroethene

Concen: 15.131 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Tgt Ion: 164 Resp: 174487

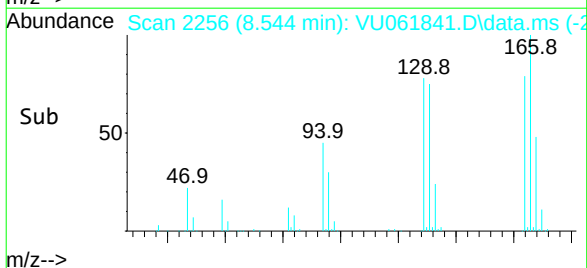
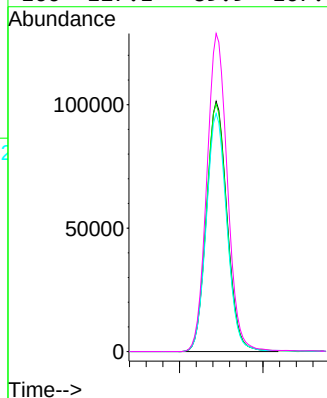
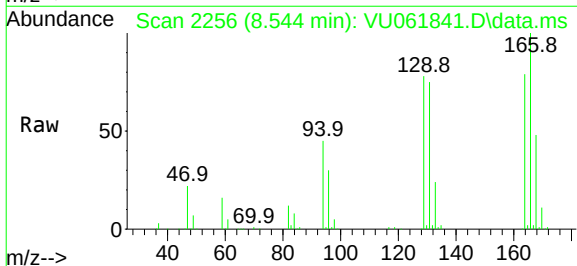
Ion Ratio Lower Upper

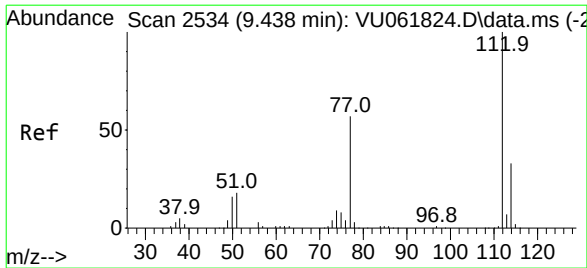
164 100

129 99.0 71.7 133.3

131 95.2 68.2 126.6

166 127.1 89.9 167.0





#51

Chlorobenzene

Concen: 0.443 ug/L

RT: 9.441 min Scan# 2534

Delta R.T. 0.003 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

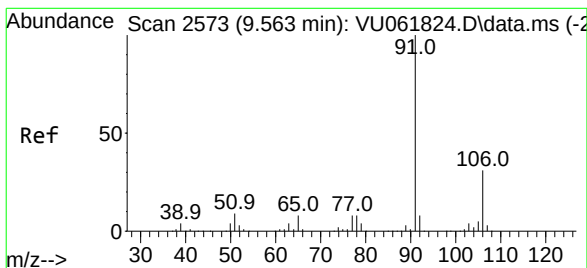
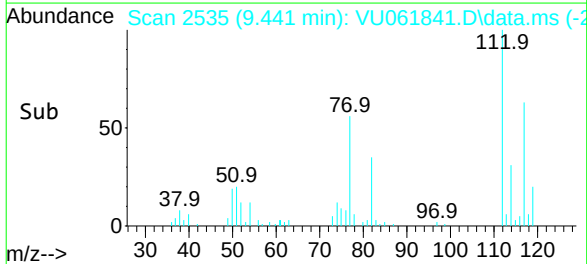
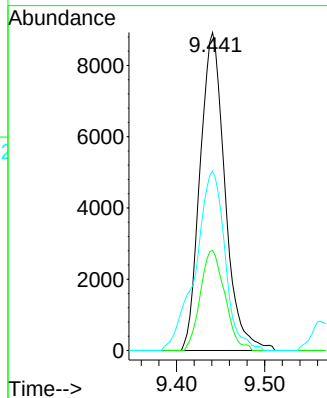
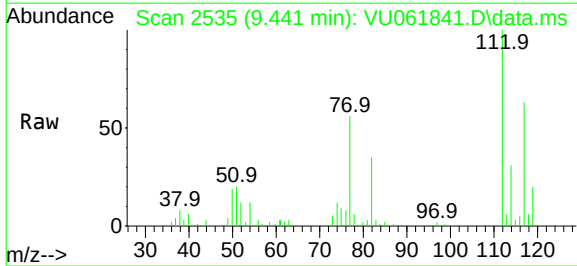
Instrument :

MSVOA_U

ClientSampleId :

BG3Q8

Tgt Ion:	112	Resp:	17456
Ion	Ratio	Lower	Upper
112	100		
114	29.6	22.5	41.9
77	53.1	45.3	67.9



#52

Ethylbenzene

Concen: 0.219 ug/L

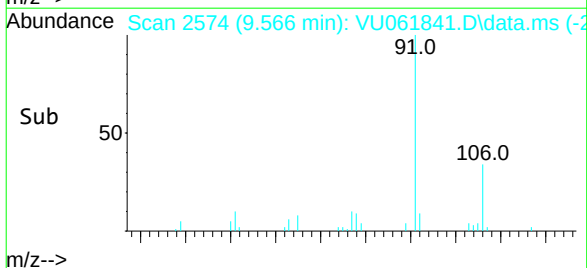
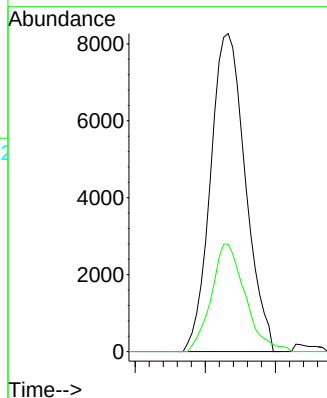
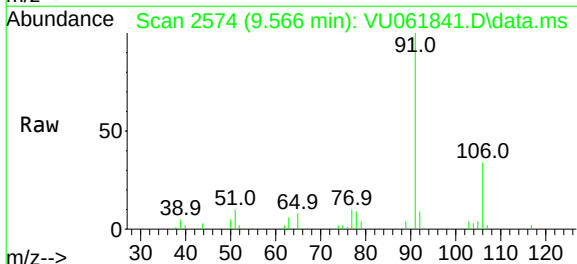
RT: 9.566 min Scan# 2574

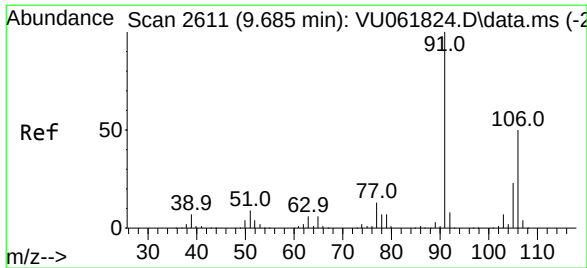
Delta R.T. 0.003 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Tgt Ion:	91	Resp:	14260
Ion	Ratio	Lower	Upper
91	100		
106	33.7	21.7	40.3





#53

m,p-Xylene

Concen: 0.428 ug/L

RT: 9.688 min Scan# 2611

Delta R.T. 0.003 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Instrument :

MSVOA_U

ClientSampleId :

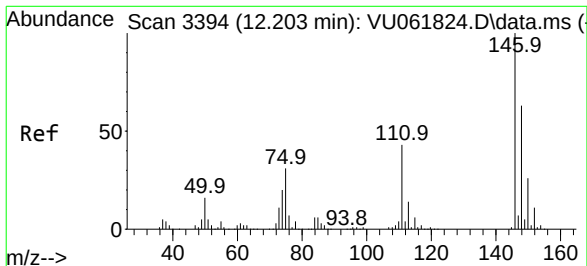
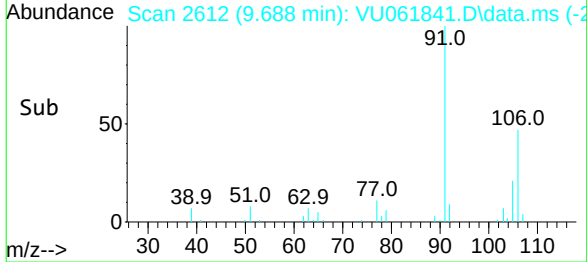
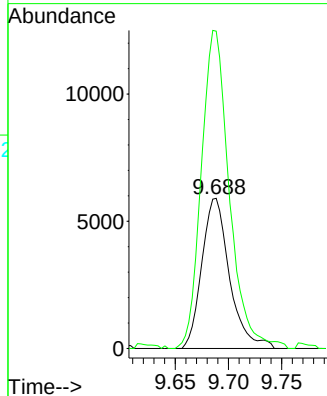
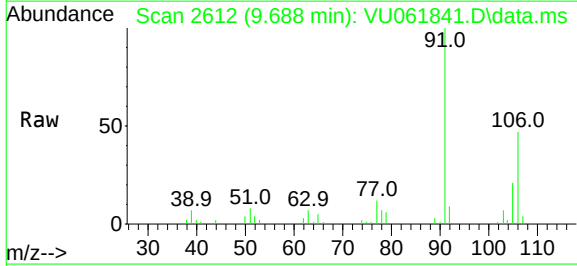
BG3Q8

Tgt Ion:106 Resp: 10687

Ion Ratio Lower Upper

106 100

91 211.3 140.4 260.8



#67

1,2-Dichlorobenzene

Concen: 0.543 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU061841.D

Acq: 19 Nov 2024 03:51

Tgt Ion:146 Resp: 10778

Ion Ratio Lower Upper

146 100

111 44.4 35.2 52.8

148 64.7 52.6 79.0

