

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062809.D
 Acq On : 16 Jan 2025 10:55
 Operator : MD/SY
 Sample : Q1071-17
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 22:04:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

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

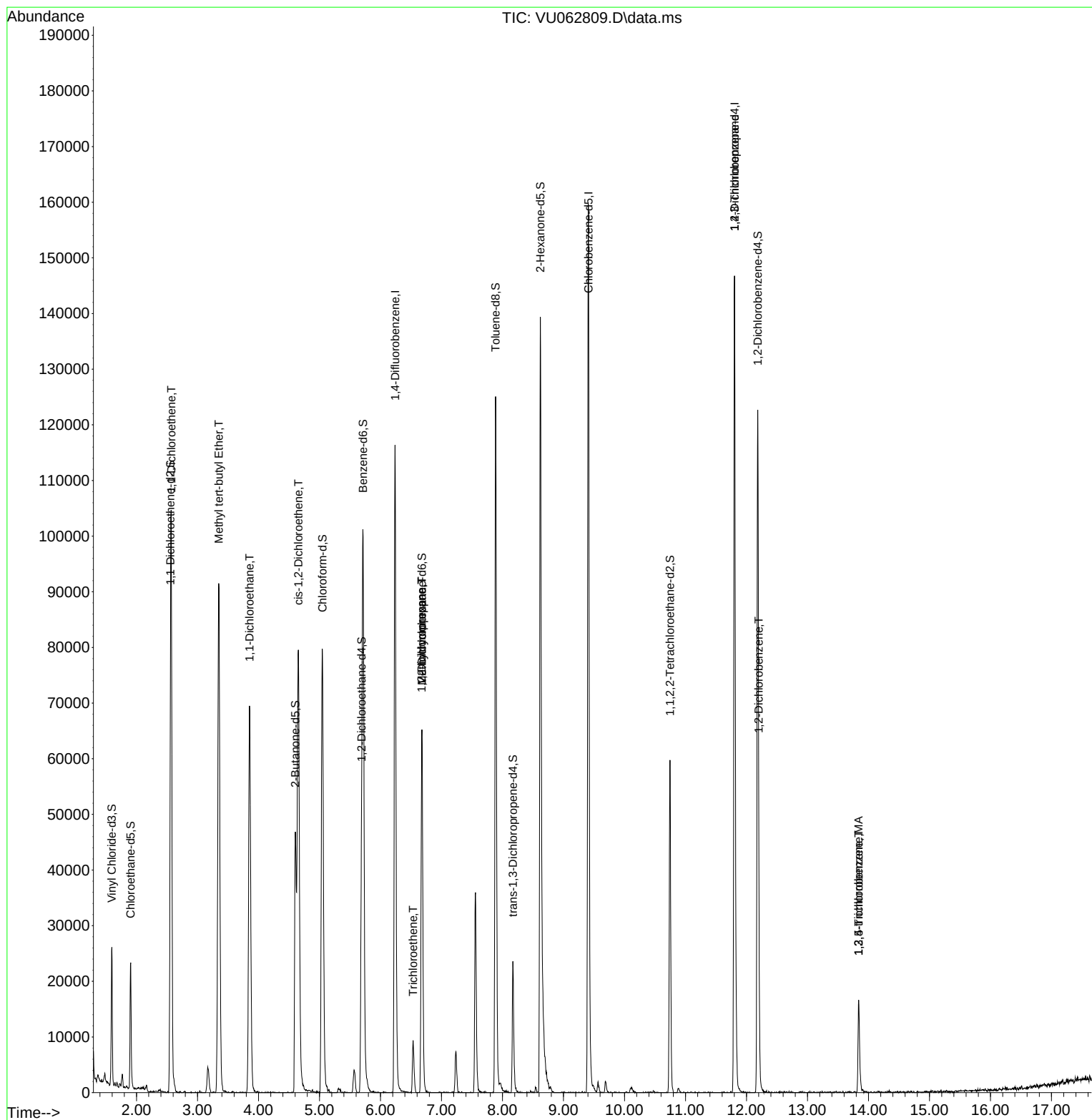
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	97336	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	88903	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42477	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	15278	2.834	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.600%
7) Chloroethane-d5	1.904	69	16562	3.819	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.557	65	9267	3.318	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.605	46	62874	57.065	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.140%
24) Chloroform-d	5.049	84	59525	4.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.689	65	34639	4.815	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.714	84	94495	4.348	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.679	67	29276	4.859	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.888	98	86140	4.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.171	79	14660	4.881	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.621	63	51905	54.948	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.900%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	27241	5.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	34949	4.945	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.570	96	26336	4.359	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	108235	6.518	ug/L	99
19) 1,1-Dichloroethane	3.853	63	76538	6.613	ug/L	92
22) cis-1,2-Dichloroethene	4.653	96	42902	6.086	ug/L	95
34) Trichloroethene	6.534	95	3318	0.380	ug/L	92
35) Methylcyclohexane	6.679	83	8419	0.784	ug/L #	21
37) 1,2-Dichloropropane	6.676	63	3548	0.589	ug/L #	85
61) 1,2,3-Trichloropropane	11.804	75	4586	1.217	ug/L #	60
67) 1,2-Dichlorobenzene	12.200	146	2844	0.224	ug/L	99
69) 1,3,5-Trichlorobenzene	13.839	180	6835	0.669	ug/L	94
70) 1,2,4-trichlorobenzene	13.839	180	6835	0.830	ug/L	96

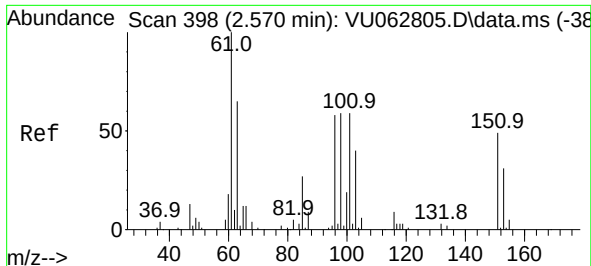
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 16 22:02:47 2025
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.359 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.000 min

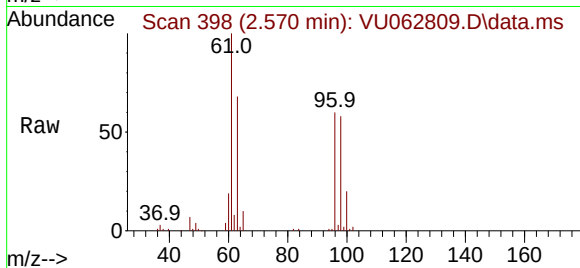
Lab File: VU062809.D

Acq: 16 Jan 2025 10:55

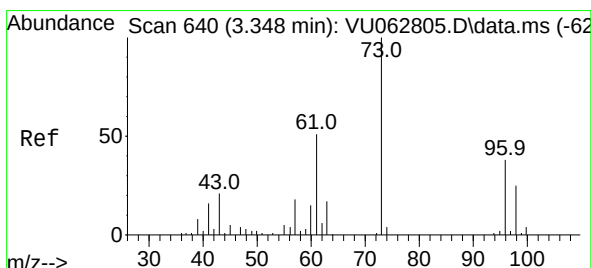
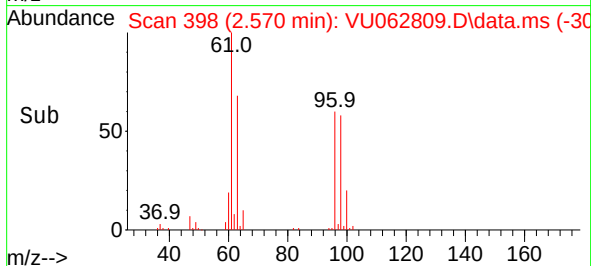
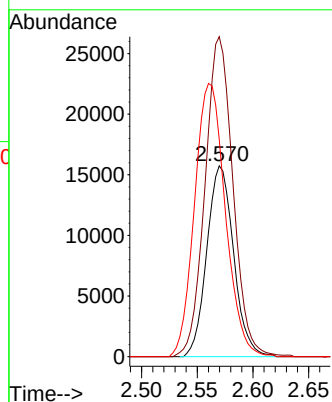
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	26336
Ion	Ratio	Lower	Upper
96	100		
61	167.6	120.4	223.6
63	113.8	82.3	152.9



#17

Methyl tert-butyl Ether

Concen: 6.518 ug/L

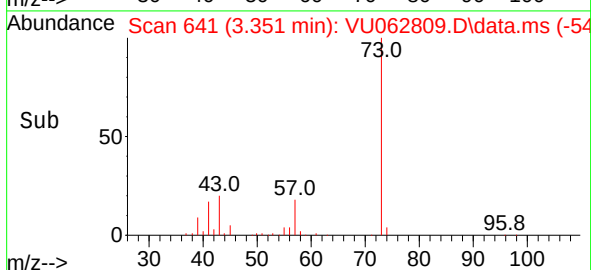
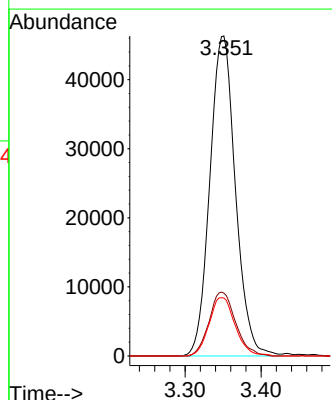
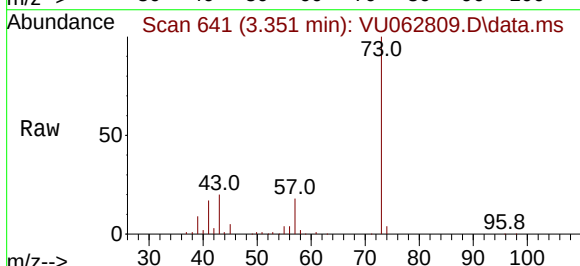
RT: 3.351 min Scan# 641

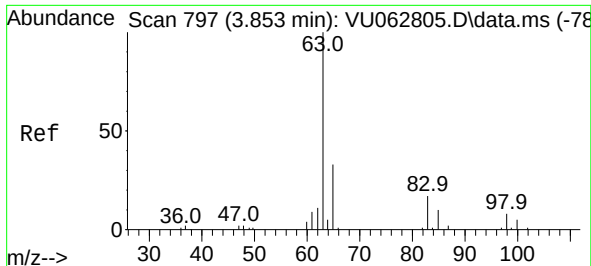
Delta R.T. 0.003 min

Lab File: VU062809.D

Acq: 16 Jan 2025 10:55

Tgt Ion:	73	Resp:	108235
Ion	Ratio	Lower	Upper
73	100		
43	20.7	16.2	24.4
57	18.6	14.6	22.0

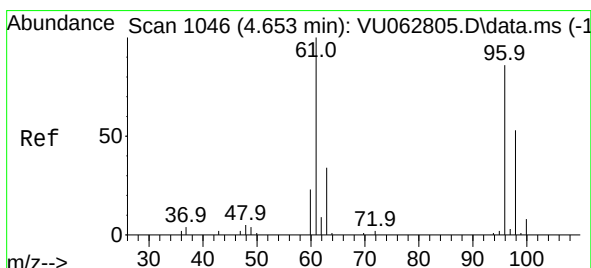
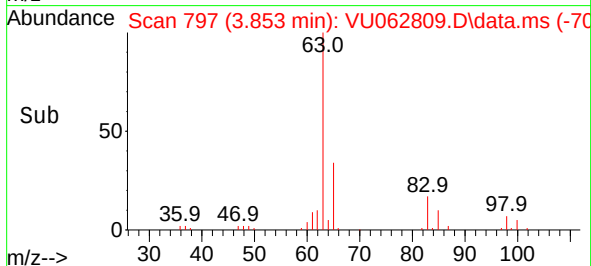
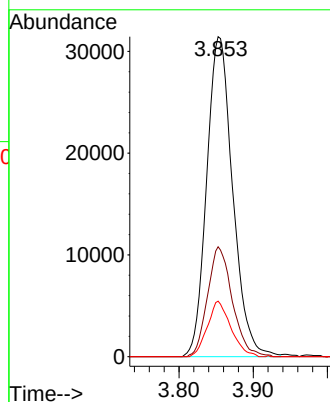
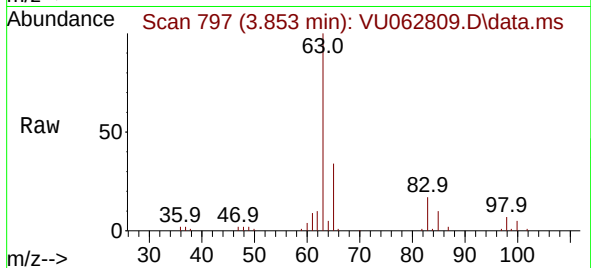




#19
1,1-Dichloroethane
Concen: 6.613 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU062809.D
Acq: 16 Jan 2025 10:55

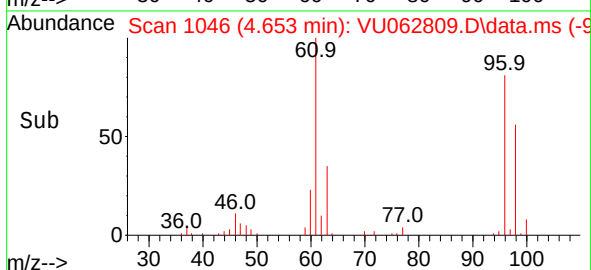
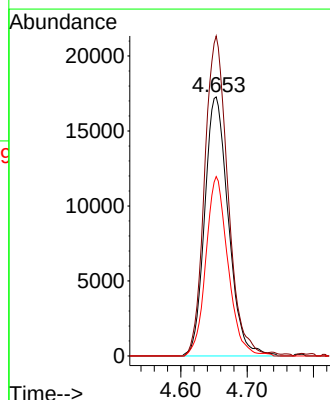
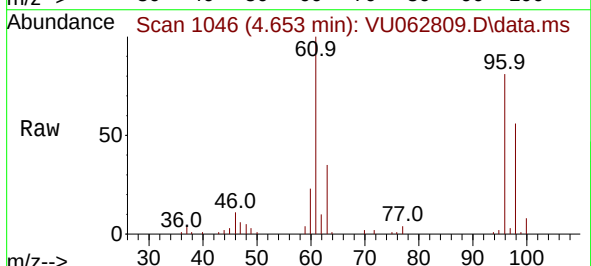
Instrument :
MSVOA_U
ClientSampleId :

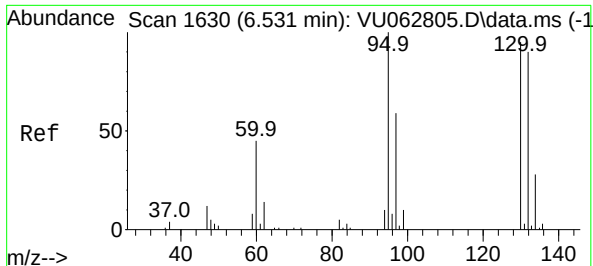
Tgt Ion:	63	Resp:	76538
Ion Ratio	Lower	Upper	
63	100		
65	34.3	20.7	38.5
83	17.4	10.5	19.5



#22
cis-1,2-Dichloroethene
Concen: 6.086 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. 0.000 min
Lab File: VU062809.D
Acq: 16 Jan 2025 10:55

Tgt Ion:	96	Resp:	42902
Ion Ratio	Lower	Upper	
96	100		
61	123.5	84.8	157.6
98	69.2	43.1	80.1



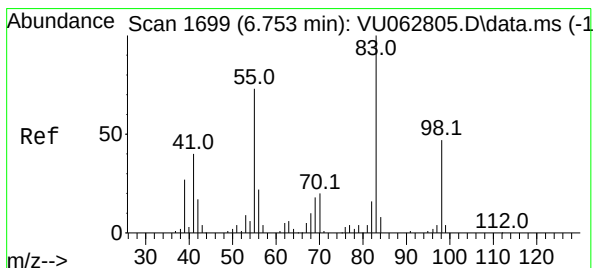
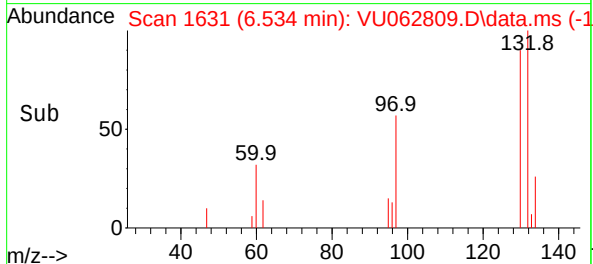
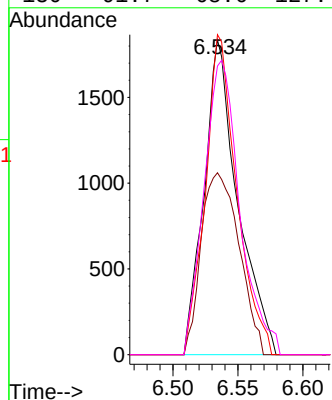
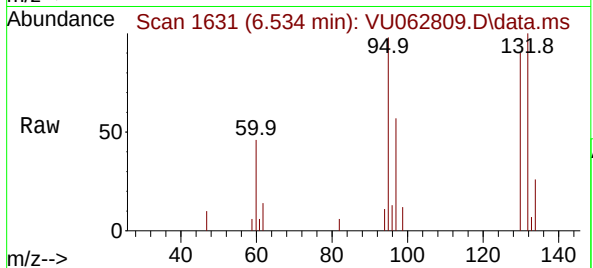


#34
Trichloroethene
Concen: 0.380 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU062809.D
Acq: 16 Jan 2025 10:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 3318

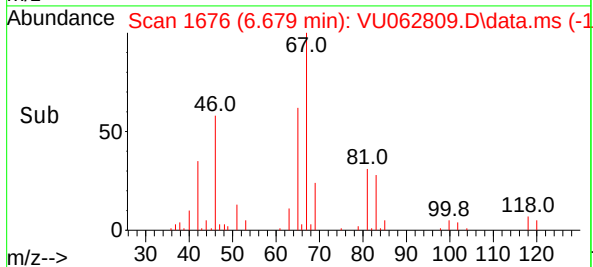
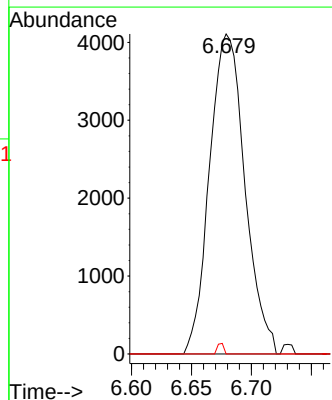
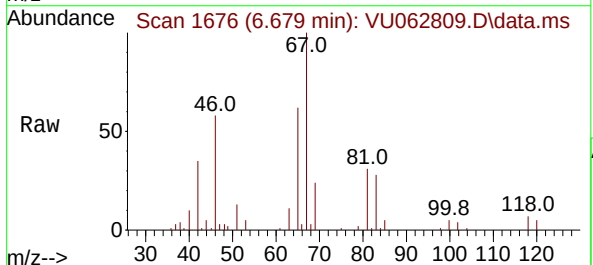
Ion	Ratio	Lower	Upper
95	100		
97	57.8	47.5	88.3
132	101.7	66.9	124.3
130	91.7	68.6	127.4

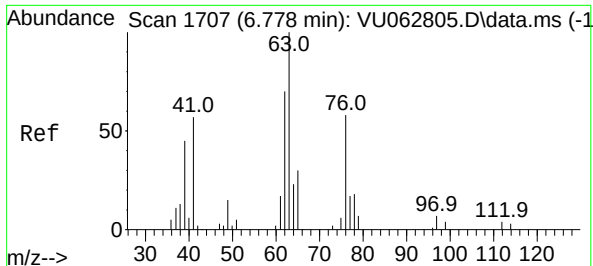


#35
Methylcyclohexane
Concen: 0.784 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.074 min
Lab File: VU062809.D
Acq: 16 Jan 2025 10:55

Tgt Ion: 83 Resp: 8419

Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.2	85.8#
98	0.6	36.6	55.0#

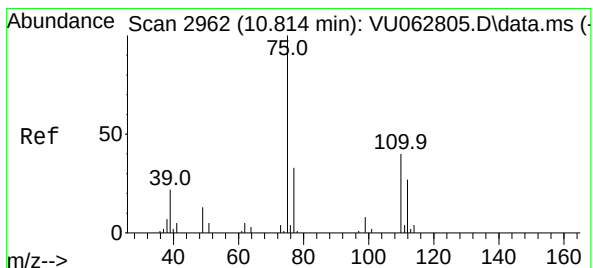
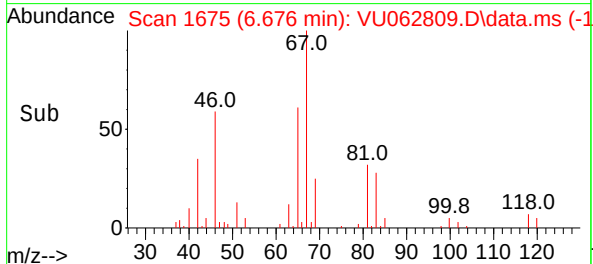
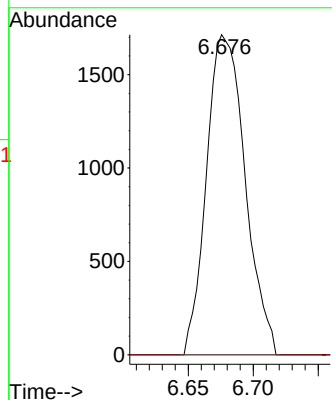
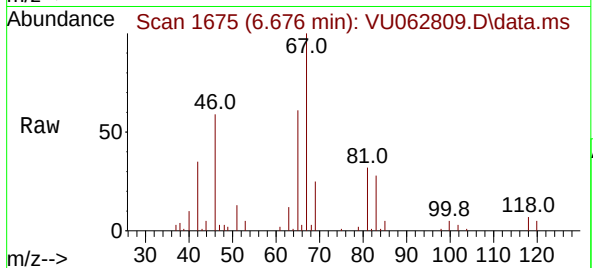




#37
1,2-Dichloropropane
Concen: 0.589 ug/L
RT: 6.676 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU062809.D
Acq: 16 Jan 2025 10:55

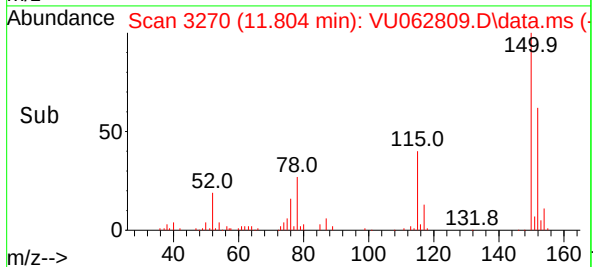
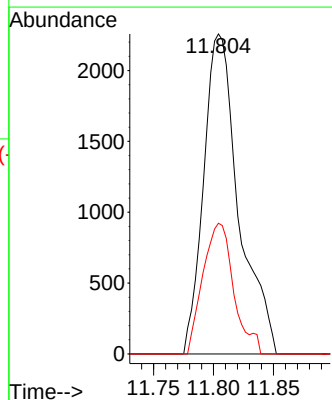
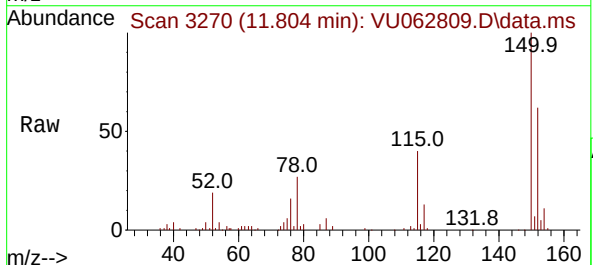
Instrument :
MSVOA_U
ClientSampleId :

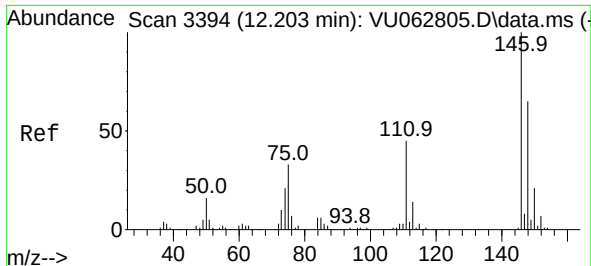
Tgt Ion: 63 Resp: 3548
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#61
1,2,3-Trichloropropane
Concen: 1.217 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU062809.D
Acq: 16 Jan 2025 10:55

Tgt Ion: 75 Resp: 4586
Ion Ratio Lower Upper
75 100
110 0.0 33.2 49.8#
77 35.9 25.9 38.9





#67

1,2-Dichlorobenzene

Concen: 0.224 ug/L

RT: 12.200 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU062809.D

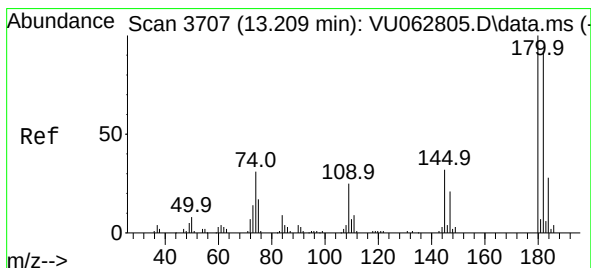
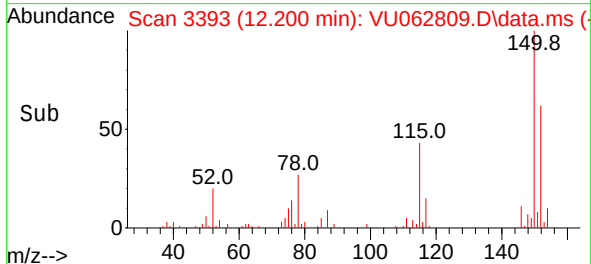
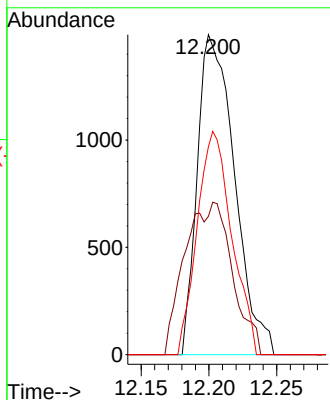
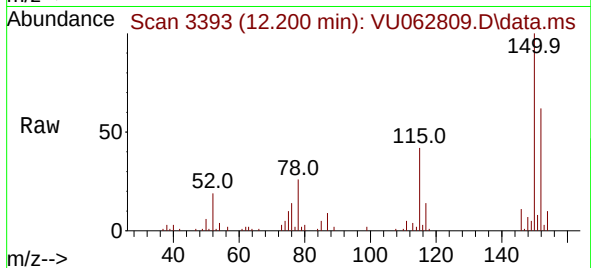
Acq: 16 Jan 2025 10:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146	Resp:	2844
Ion Ratio	Lower	Upper
146	100	
111	43.3	36.3 54.5
148	65.0	52.0 78.0



#69

1,3,5-Trichlorobenzene

Concen: 0.669 ug/L

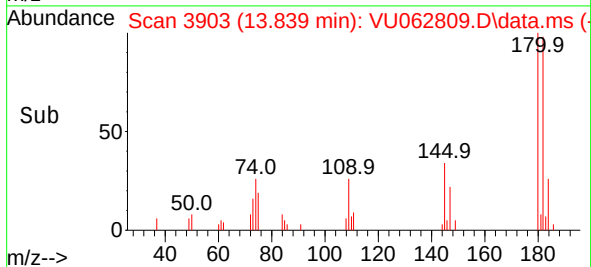
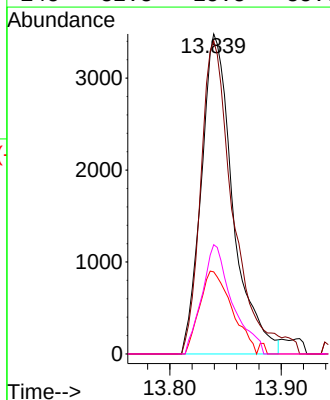
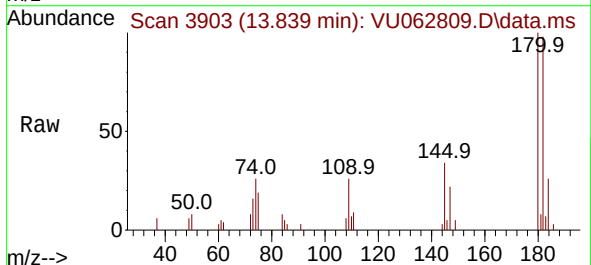
RT: 13.839 min Scan# 3903

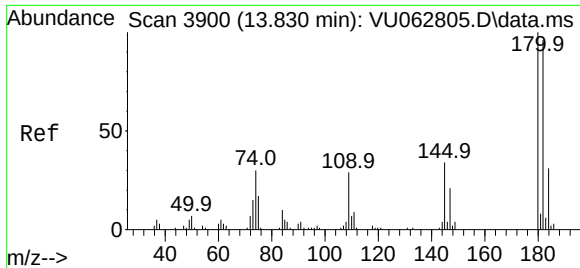
Delta R.T. 0.630 min

Lab File: VU062809.D

Acq: 16 Jan 2025 10:55

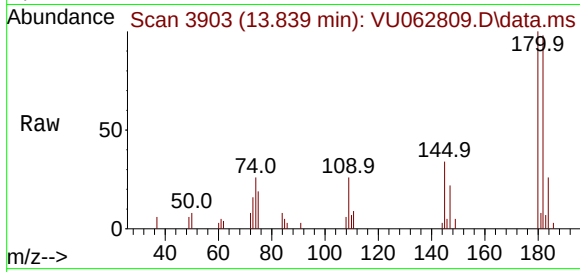
Tgt Ion:180	Resp:	6835
Ion Ratio	Lower	Upper
180	100	
182	100.9	75.8 113.8
184	26.6	24.7 37.1
145	32.8	25.8 38.6





#70
 1,2,4-trichlorobenzene
 Concen: 0.830 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.010 min
 Lab File: VU062809.D
 Acq: 16 Jan 2025 10:55

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	6835
Ion Ratio	Lower	Upper	
180	100		
182	100.9	77.1	115.7
145	32.8	26.9	40.3

