

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080924\
 Data File : VU060386.D
 Acq On : 09 Aug 2024 21:00
 Operator : MD/SY
 Sample : P3401-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 10 04:58:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 10 04:43:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	102356	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	106392	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	45941	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	31890	3.969	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.400%
7) Chloroethane-d5	1.911	69	30981	4.276	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.560	65	13744	4.019	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	4.631	46	100727	59.074	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.140%
24) Chloroform-d	5.055	84	73521	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.695	65	36308	4.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.721	84	141158	4.399	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.682	67	49127	4.936	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.894	98	111858	3.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	8.177	79	13840	4.301	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.631	63	70917	49.666	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	40145	4.916	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	46048	5.441	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	1134	0.165	ug/L	87
5) Vinyl chloride	1.599	62	57507	7.152	ug/L	97
12) 1,1-Dichloroethene	2.570	96	6322	0.937	ug/L #	1
13) Acetone	2.448	43	345107	296.390	ug/L	36
14) Carbon disulfide	2.788	76	2548	0.150	ug/L	98
15) Methyl Acetate	2.888	43	395956	164.127	ug/L #	48
16) Methylene chloride	3.039	84	1919	0.200	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	21541	3.254	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	1063796	133.097	ug/L	95
25) Chloroform	5.078	83	5406	0.364	ug/L	88
27) 1,2-Dichloroethane	5.795	62	3624	0.458	ug/L	99
30) Cyclohexane	5.380	56	578	0.061	ug/L #	36
33) Benzene	5.769	78	11453	0.374	ug/L	100
34) Trichloroethene	6.534	95	1049233	130.857	ug/L	99
35) Methylcyclohexane	6.682	83	11321	1.081	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	4782	0.574	ug/L #	88
42) Toluene	7.968	91	11267	0.348	ug/L	94
61) 1,2,3-Trichloropropane	11.804	75	5426	1.220	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	12.759	75	149	0.179	ug/L #	1

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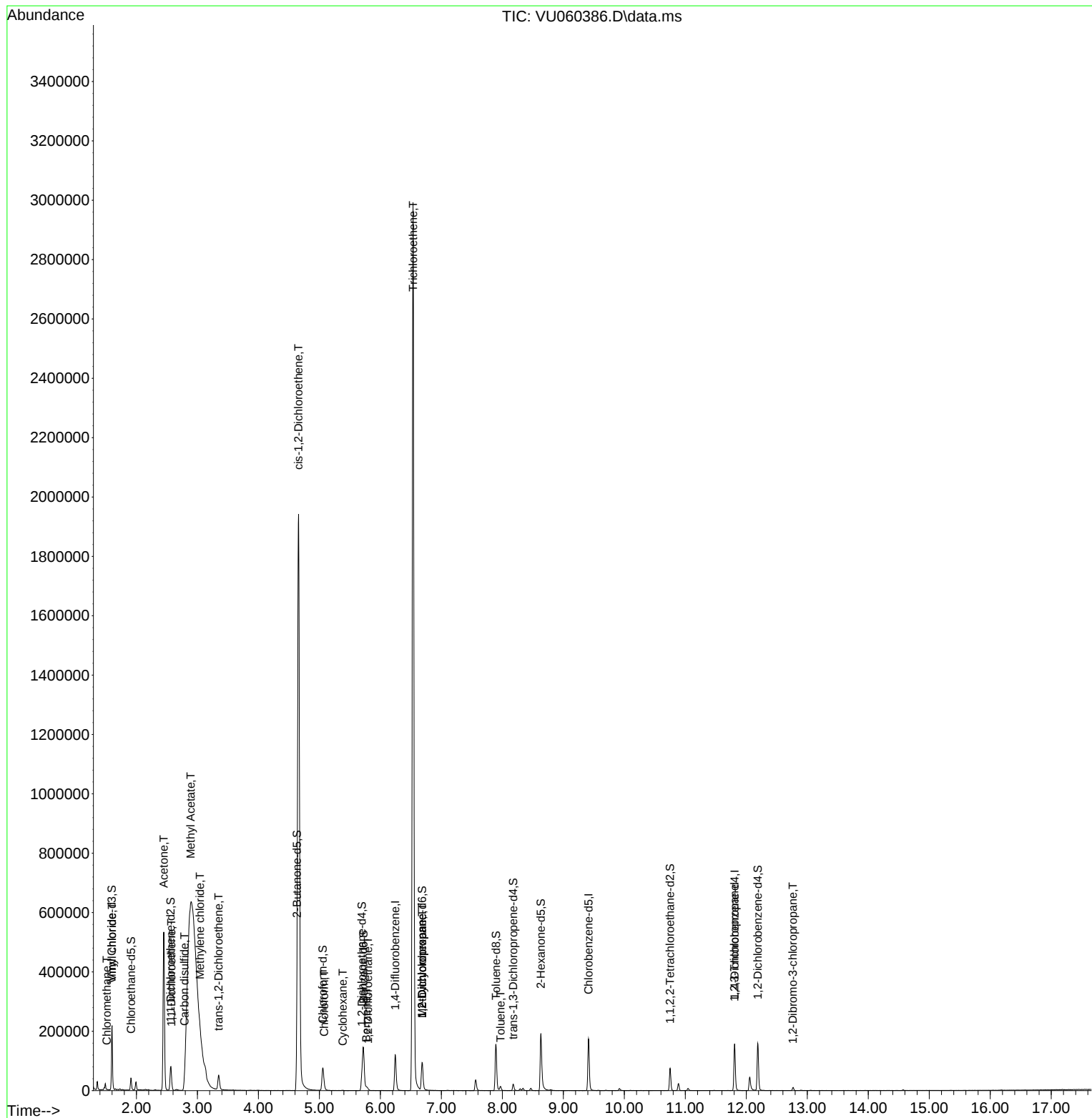
Quant Time: Aug 10 04:58:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080824WMA.M
Quant Title : TRACE VOA SFAM1.0
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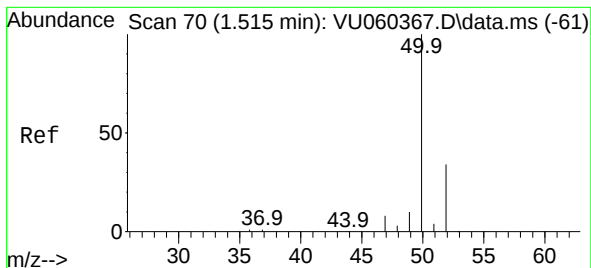
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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#3

Chloromethane

Concen: 0.165 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU060386.D

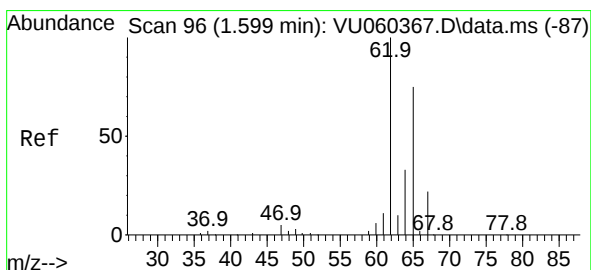
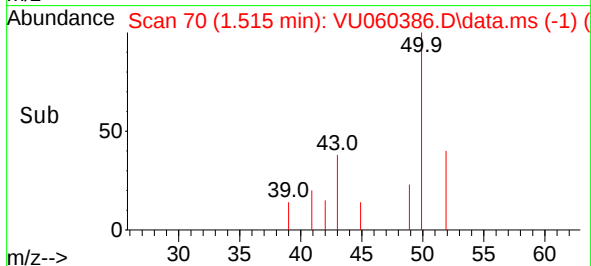
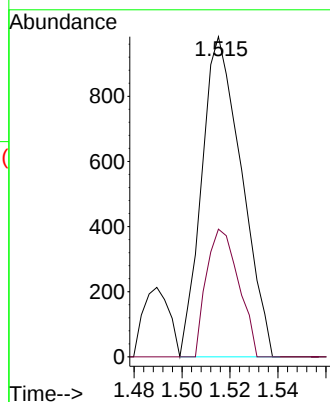
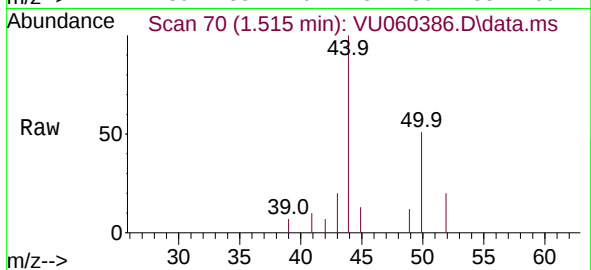
Acq: 09 Aug 2024 21:00

Tgt Ion: 50 Resp: 1134

Ion Ratio Lower Upper

50 100

52 39.9 22.8 42.4



#5

Vinyl chloride

Concen: 7.152 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU060386.D

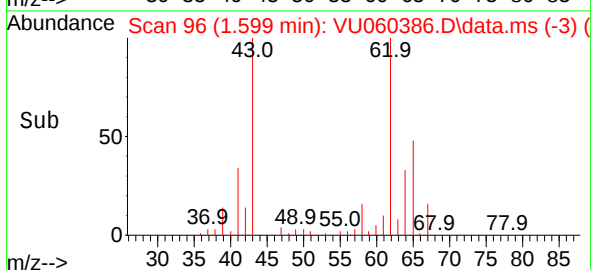
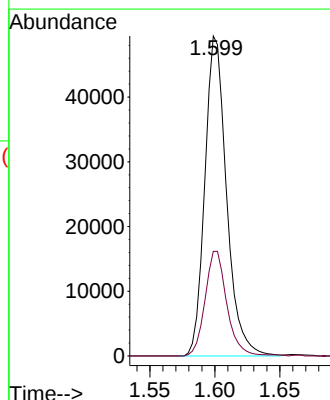
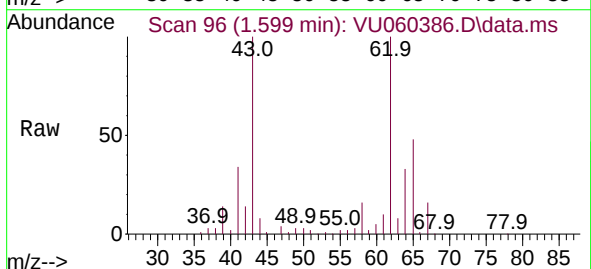
Acq: 09 Aug 2024 21:00

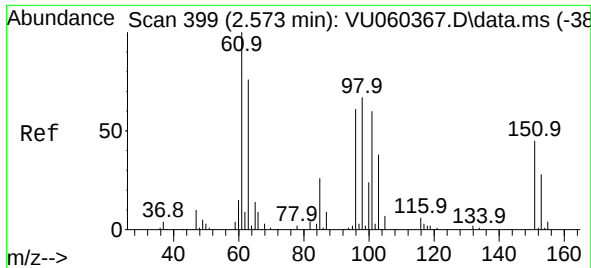
Tgt Ion: 62 Resp: 57507

Ion Ratio Lower Upper

62 100

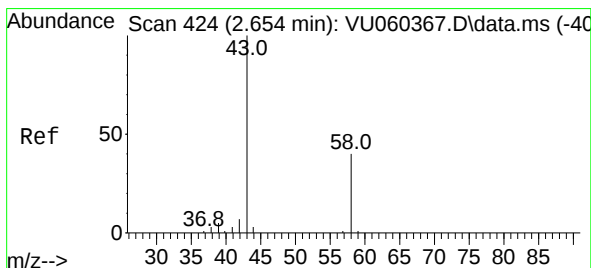
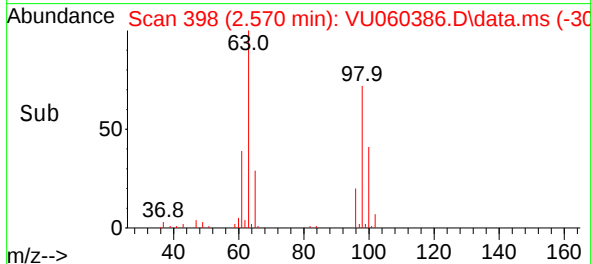
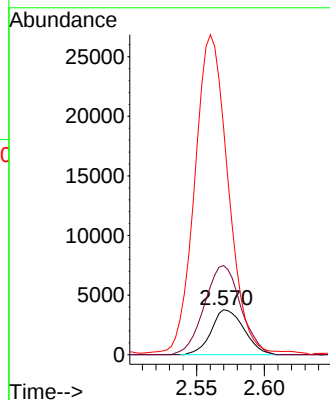
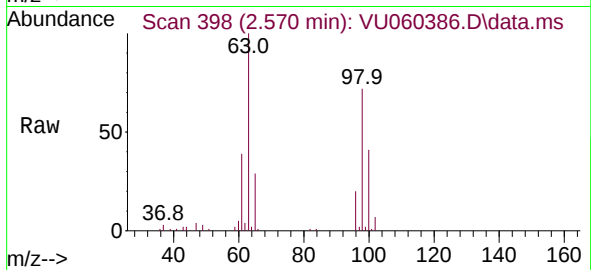
64 32.7 24.1 44.7





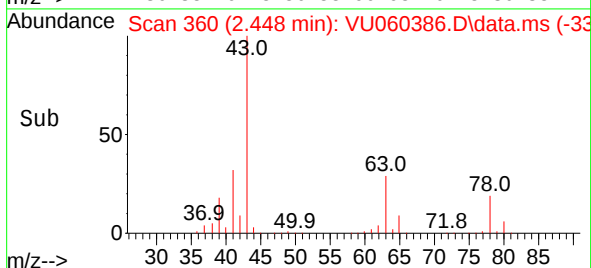
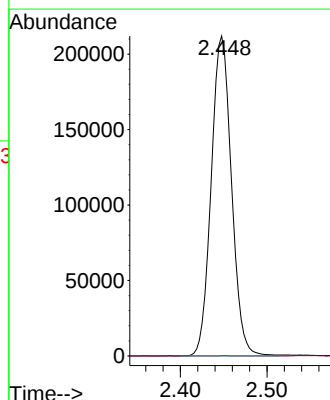
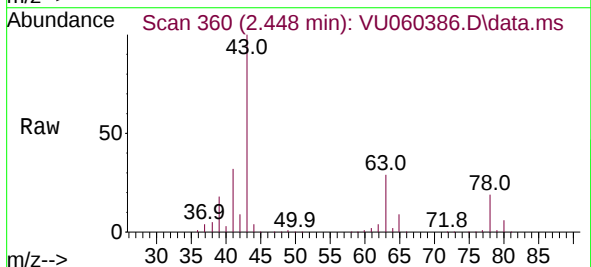
#12
1,1-Dichloroethene
Concen: 0.937 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

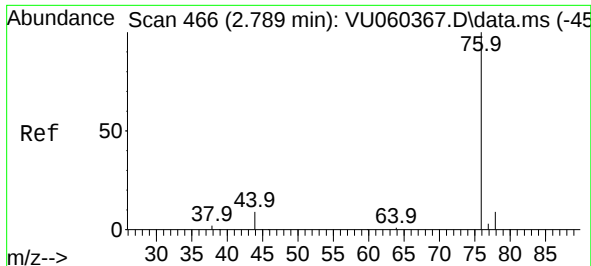
Tgt Ion: 96 Resp: 6322
Ion Ratio Lower Upper
96 100
61 197.9 114.4 212.4
63 505.1 96.0 178.4#



#13
Acetone
Concen: 296.390 ug/L
RT: 2.448 min Scan# 360
Delta R.T. -0.206 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

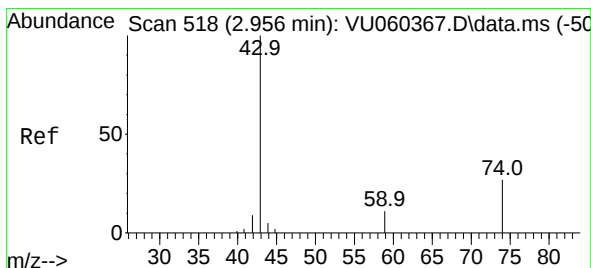
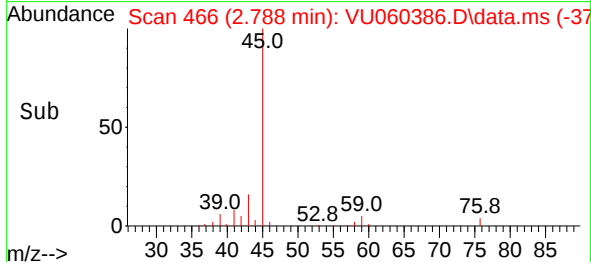
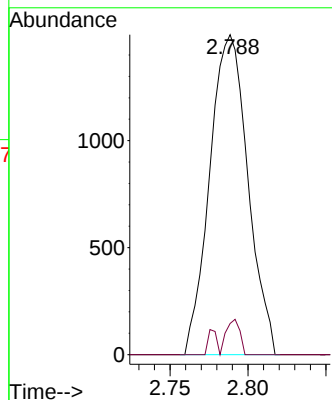
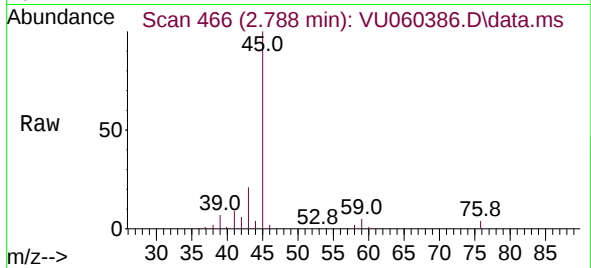
Tgt Ion: 43 Resp: 345107
Ion Ratio Lower Upper
43 100
58 0.1 0.0 78.8





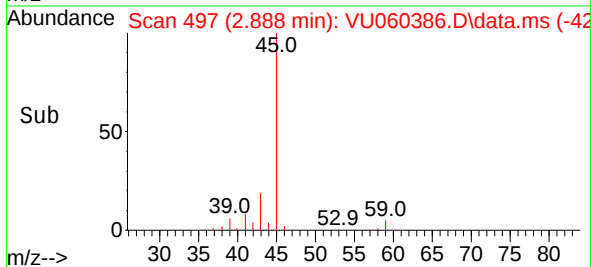
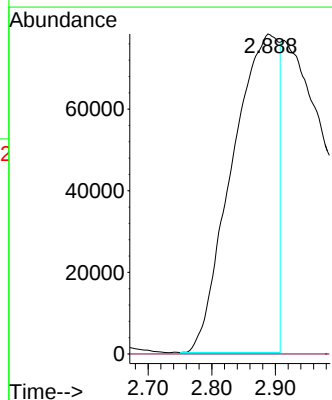
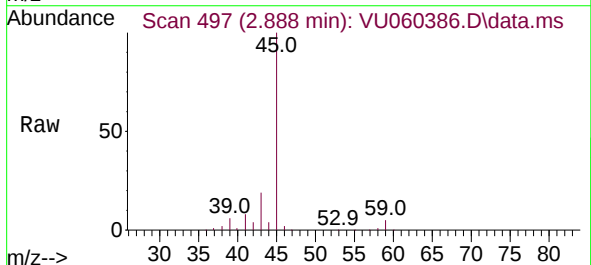
#14
Carbon disulfide
Concen: 0.150 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.000 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

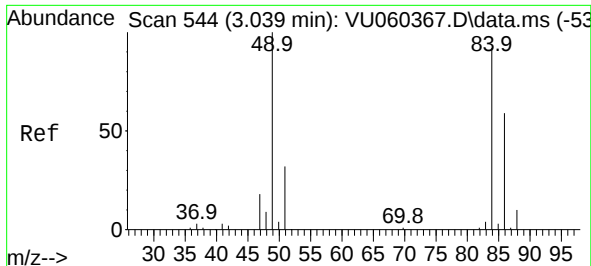
Tgt Ion: 76 Resp: 2548
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#15
Methyl Acetate
Concen: 164.127 ug/L
RT: 2.888 min Scan# 497
Delta R.T. -0.068 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

Tgt Ion: 43 Resp: 395956
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#





#16

Methylene chloride

Concen: 0.200 ug/L

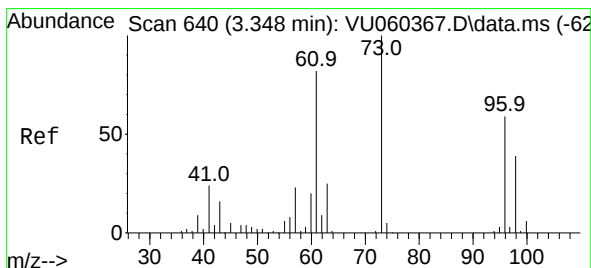
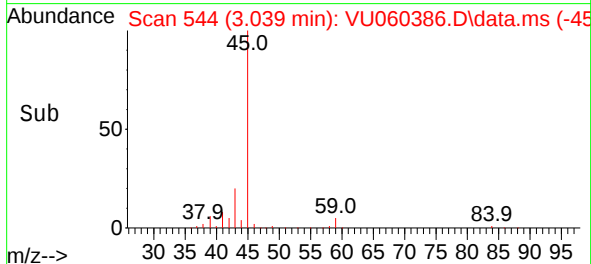
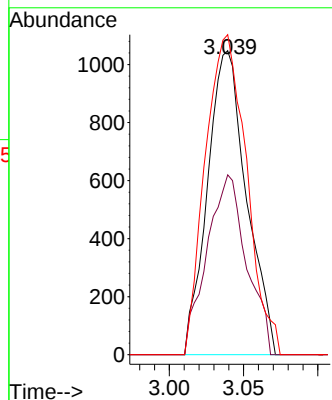
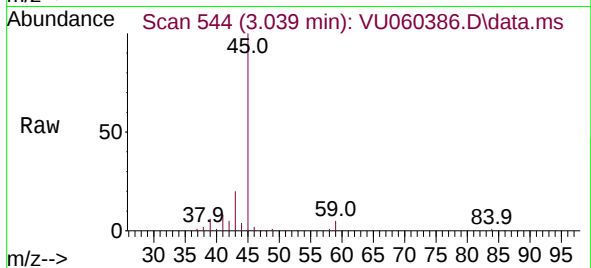
RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU060386.D

Acq: 09 Aug 2024 21:00

Tgt Ion:	84	Resp:	1919
Ion	Ratio	Lower	Upper
84	100		
86	59.2	47.1	87.5
49	105.2	73.9	137.3



#18

trans-1,2-Dichloroethene

Concen: 3.254 ug/L

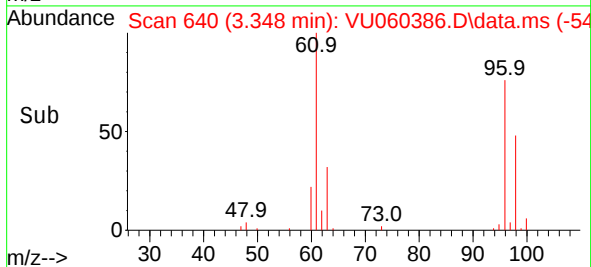
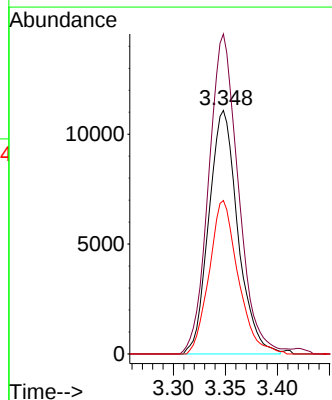
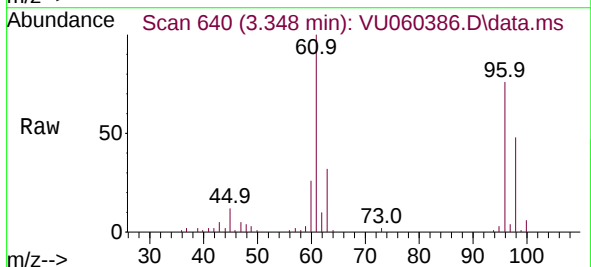
RT: 3.348 min Scan# 640

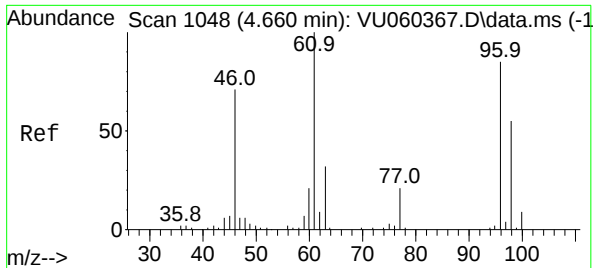
Delta R.T. -0.000 min

Lab File: VU060386.D

Acq: 09 Aug 2024 21:00

Tgt Ion:	96	Resp:	21541
Ion	Ratio	Lower	Upper
96	100		
61	131.4	93.7	174.1
98	63.0	44.7	82.9

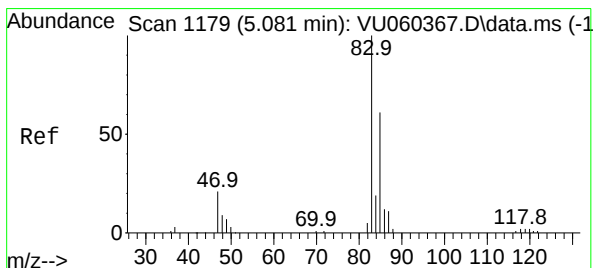
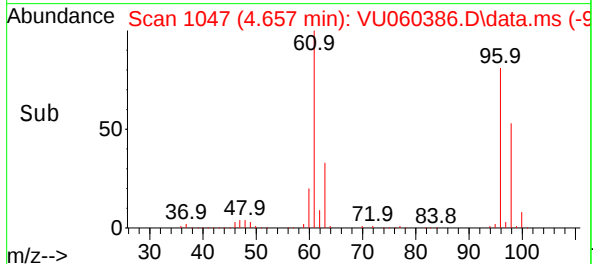
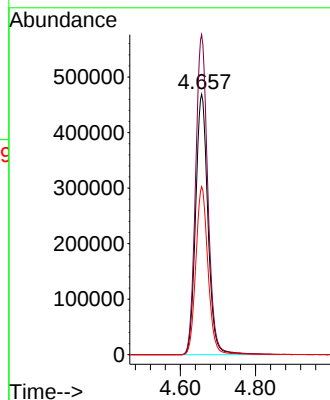
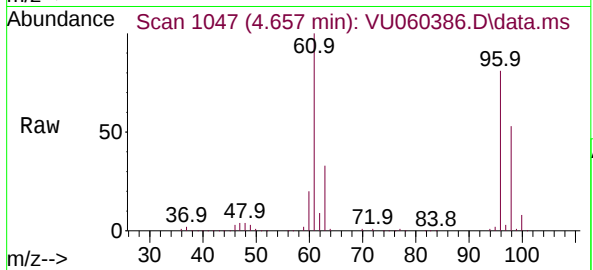




#22
cis-1,2-Dichloroethene
Concen: 133.097 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

Tgt Ion: 96 Resp: 1063796

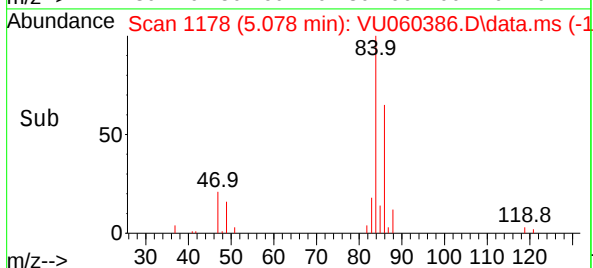
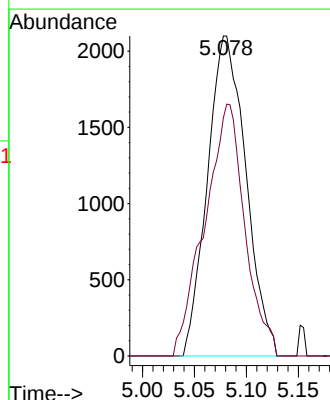
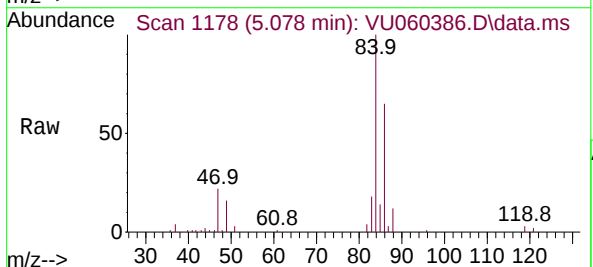
Ion	Ratio	Lower	Upper
96	100		
61	122.8	81.5	151.5
98	64.5	43.5	80.7

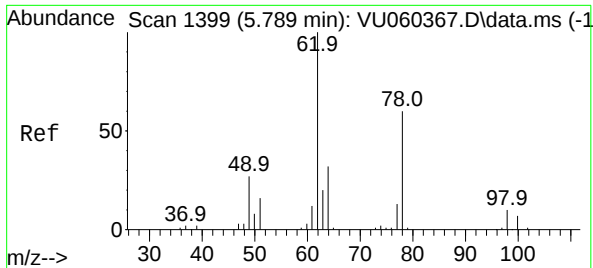


#25
Chloroform
Concen: 0.364 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

Tgt Ion: 83 Resp: 5406

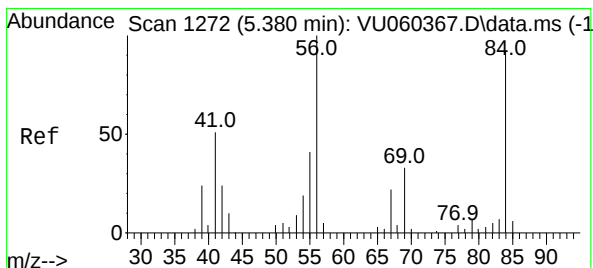
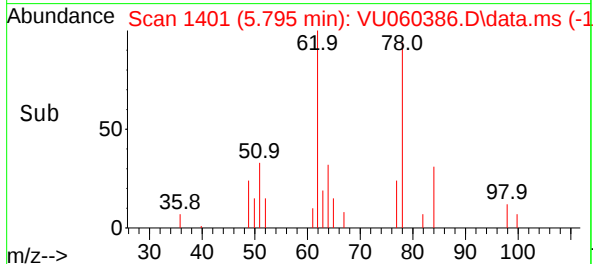
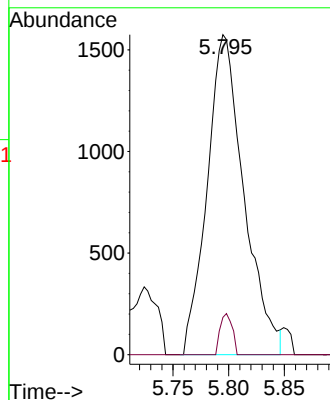
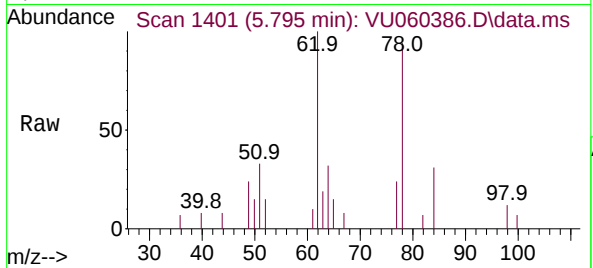
Ion	Ratio	Lower	Upper
83	100		
85	74.5	45.6	84.6





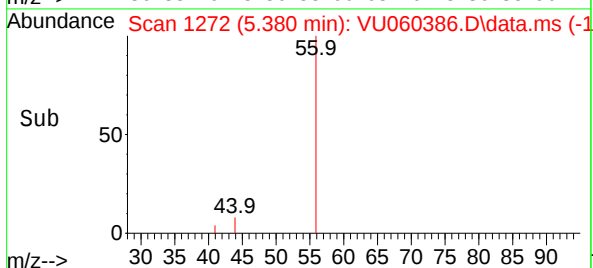
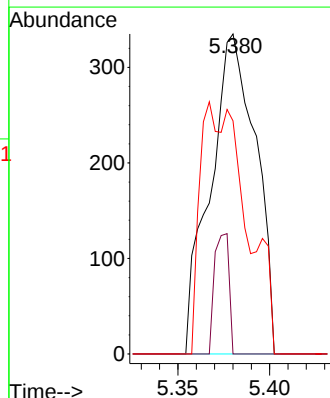
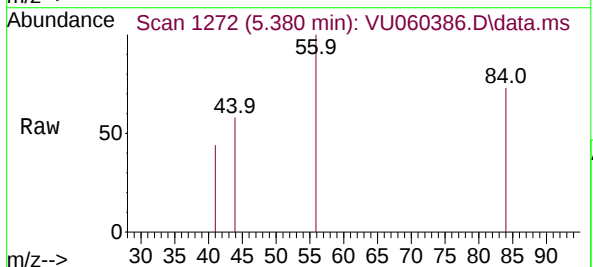
#27
1,2-Dichloroethane
Concen: 0.458 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

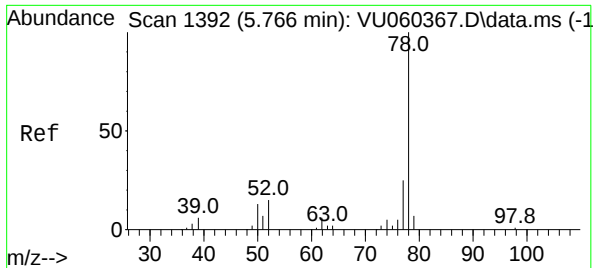
Tgt Ion: 62 Resp: 3624
Ion Ratio Lower Upper
62 100
98 11.7 9.0 13.6



#30
Cyclohexane
Concen: 0.061 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

Tgt Ion: 56 Resp: 578
Ion Ratio Lower Upper
56 100
69 11.9 24.7 37.1#
84 158.3 70.7 106.1#





#33

Benzene

Concen: 0.374 ug/L

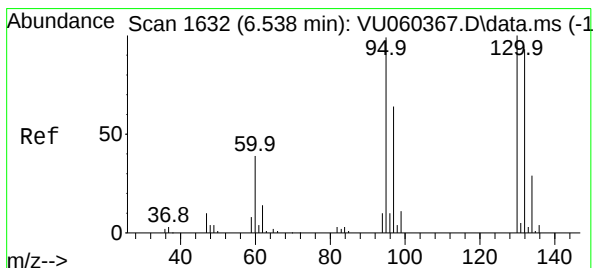
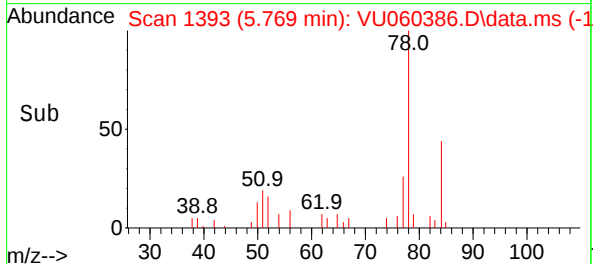
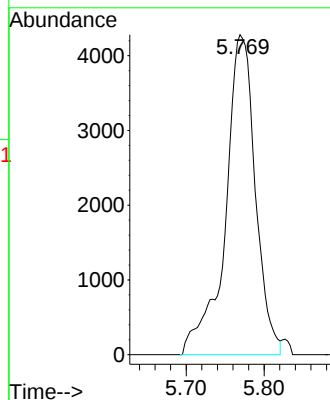
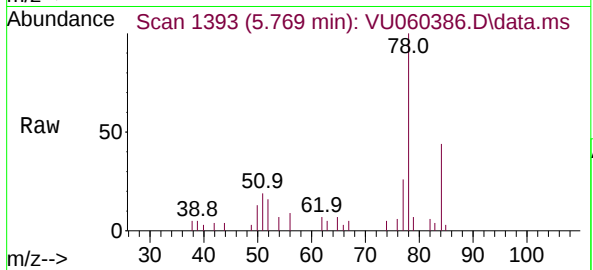
RT: 5.769 min Scan# 1393

Delta R.T. 0.003 min

Lab File: VU060386.D

Acq: 09 Aug 2024 21:00

Tgt Ion: 78 Resp: 11453



#34

Trichloroethene

Concen: 130.857 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU060386.D

Acq: 09 Aug 2024 21:00

Tgt Ion: 95 Resp: 1049233

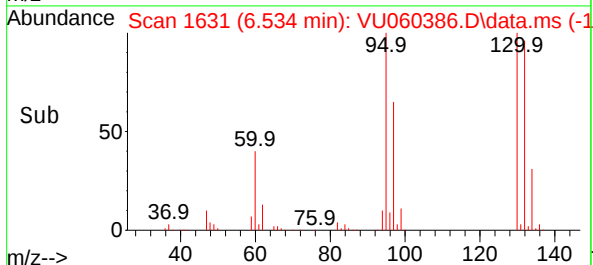
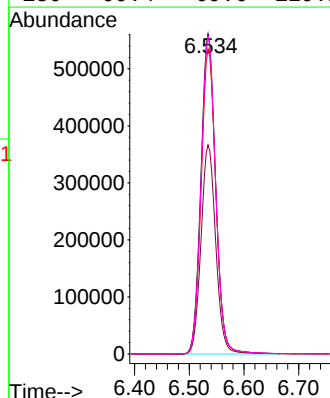
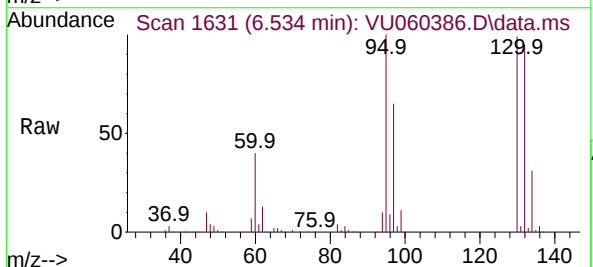
Ion Ratio Lower Upper

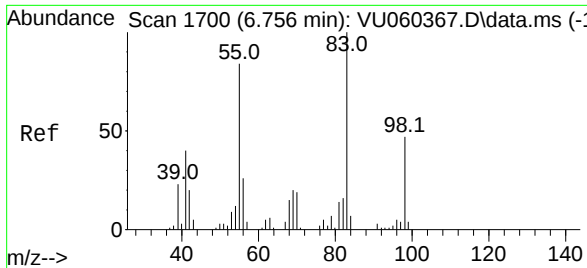
95 100

97 65.3 43.6 81.0

132 95.3 67.1 124.5

130 99.4 69.6 129.2





#35

Methylcyclohexane

Concen: 1.081 ug/L

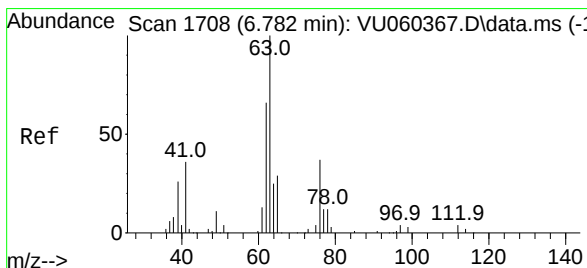
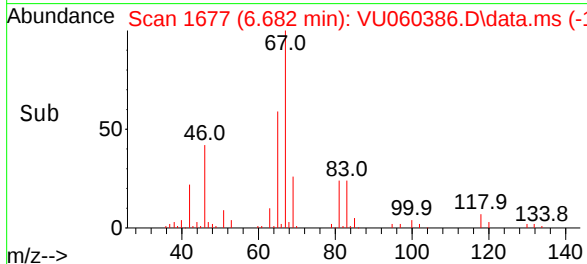
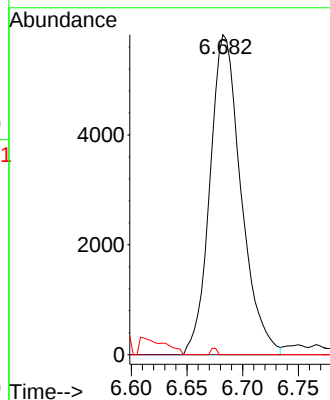
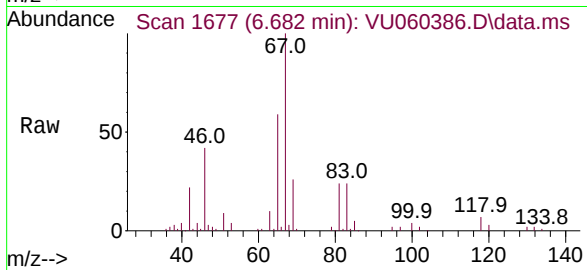
RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU060386.D

Acq: 09 Aug 2024 21:00

Tgt Ion:	83	Resp:	11321
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.4	93.6#
98	0.0	37.3	55.9#



#37

1,2-Dichloropropane

Concen: 0.574 ug/L

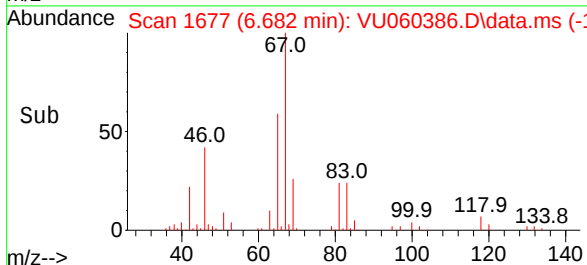
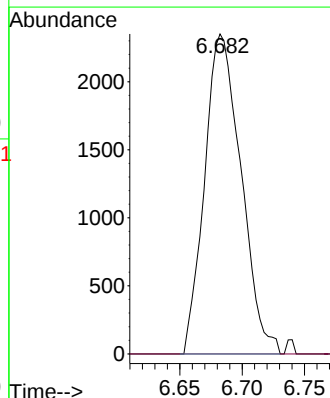
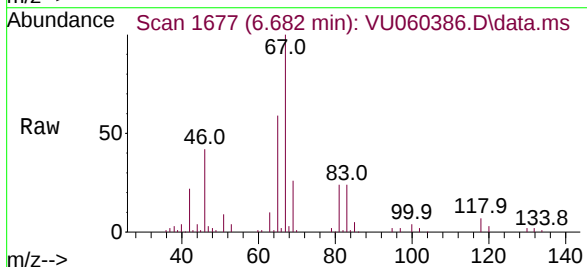
RT: 6.682 min Scan# 1677

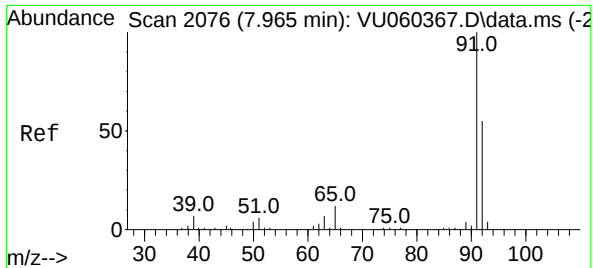
Delta R.T. -0.100 min

Lab File: VU060386.D

Acq: 09 Aug 2024 21:00

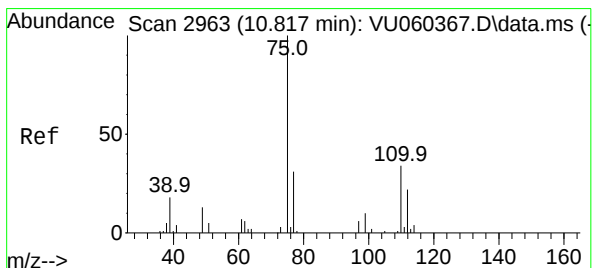
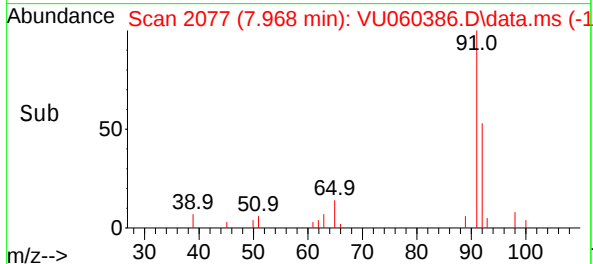
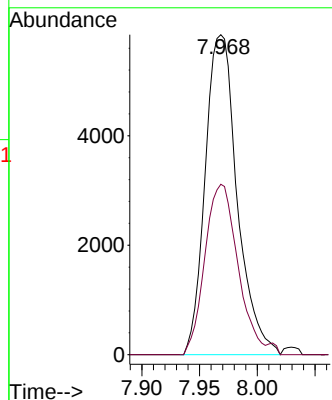
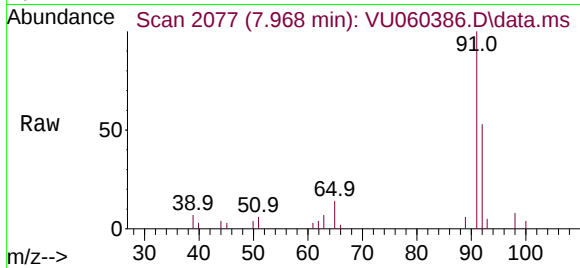
Tgt Ion:	63	Resp:	4782
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.3	4.9#





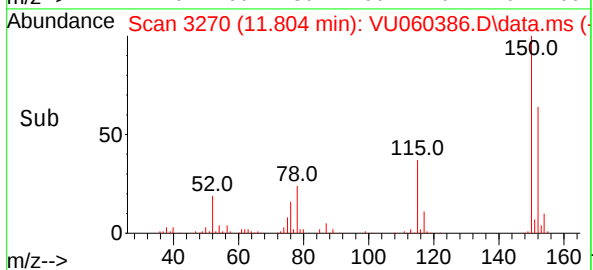
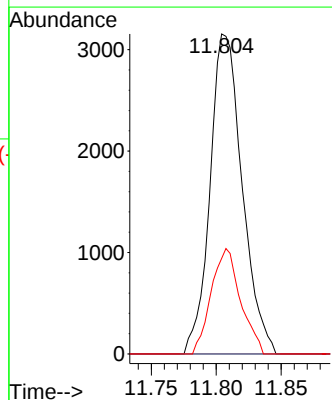
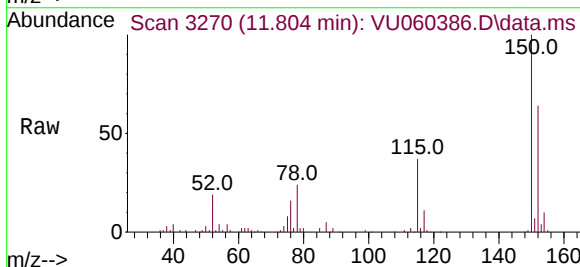
#42
Toluene
Concen: 0.348 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

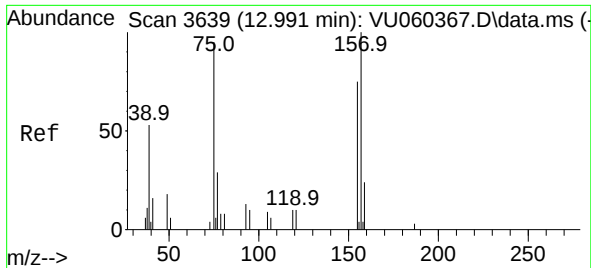
Tgt Ion: 91 Resp: 11267
Ion Ratio Lower Upper
91 100
92 53.3 40.6 75.4



#61
1,2,3-Trichloropropane
Concen: 1.220 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU060386.D
Acq: 09 Aug 2024 21:00

Tgt Ion: 75 Resp: 5426
Ion Ratio Lower Upper
75 100
110 0.0 29.9 44.9#
77 30.0 27.0 40.6





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.179 ug/L
 RT: 12.759 min Scan# 3567
 Delta R.T. -0.232 min
 Lab File: VU060386.D
 Acq: 09 Aug 2024 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	64.3	96.5#
157	0.0	88.0	132.0#

