

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
 Data File : VU060856.D
 Acq On : 18 Sep 2024 01:24
 Operator : MD/SY
 Sample : P3987-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 18 03:46:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 18 02:40:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	141744	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	151543	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	71257	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.595	65	46176	3.622	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.911	69	36788	4.053	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.000%
11) 1,1-Dichloroethene-d2	2.563	65	18108	4.007	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.634	46	88814	43.394	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.780%
24) Chloroform-d	5.055	84	80827	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
26) 1,2-Dichloroethane-d4	5.695	65	40408	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
32) Benzene-d6	5.721	84	167376	4.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.682	67	56420	4.490	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.891	98	146760	3.963	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	8.174	79	17229	3.809	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.200%
46) 2-Hexanone-d5	8.627	63	79817	44.730	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.460%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	40036	4.066	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	54207	4.527	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%

Target Compounds

					Qvalue
5) Vinyl chloride	1.602	62	32822	2.683	ug/L 99
8) Chloroethane	1.756	64	152617	20.421	ug/L # 51
12) 1,1-Dichloroethene	2.576	96	100519	11.274	ug/L # 74
13) Acetone	2.647	43	2143704	1569.976	ug/L 93
14) Carbon disulfide	2.792	76	6552	0.265	ug/L 99
15) Methyl Acetate	2.952	43	135523	40.709	ug/L 98
16) Methylene chloride	3.039	84	2406	0.233	ug/L 95
17) Methyl tert-butyl Ether	3.357	73	8602	0.427	ug/L # 77
18) trans-1,2-Dichloroethene	3.351	96	6496	0.703	ug/L 84
19) 1,1-Dichloroethane	3.859	63	252942	13.636	ug/L 99
21) 2-Butanone	4.708	43	160032	71.998	ug/L 97
22) cis-1,2-Dichloroethene	4.656	96	55107	5.389	ug/L 96
27) 1,2-Dichloroethane	5.795	62	4457	0.398	ug/L # 72
34) Trichloroethene	6.534	95	195825	17.927	ug/L 95
35) Methylcyclohexane	6.679	83	12479	0.833	ug/L # 17
37) 1,2-Dichloropropane	6.782	63	1884	0.164	ug/L # 93
42) Toluene	7.965	91	7554	0.173	ug/L 100
45) 1,1,2-Trichloroethane	8.399	97	801	0.097	ug/L # 53
49) Dibromochloromethane	8.547	129	2567	0.272	ug/L # 9

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 18 02:40:24 2024
Response via : Initial Calibration

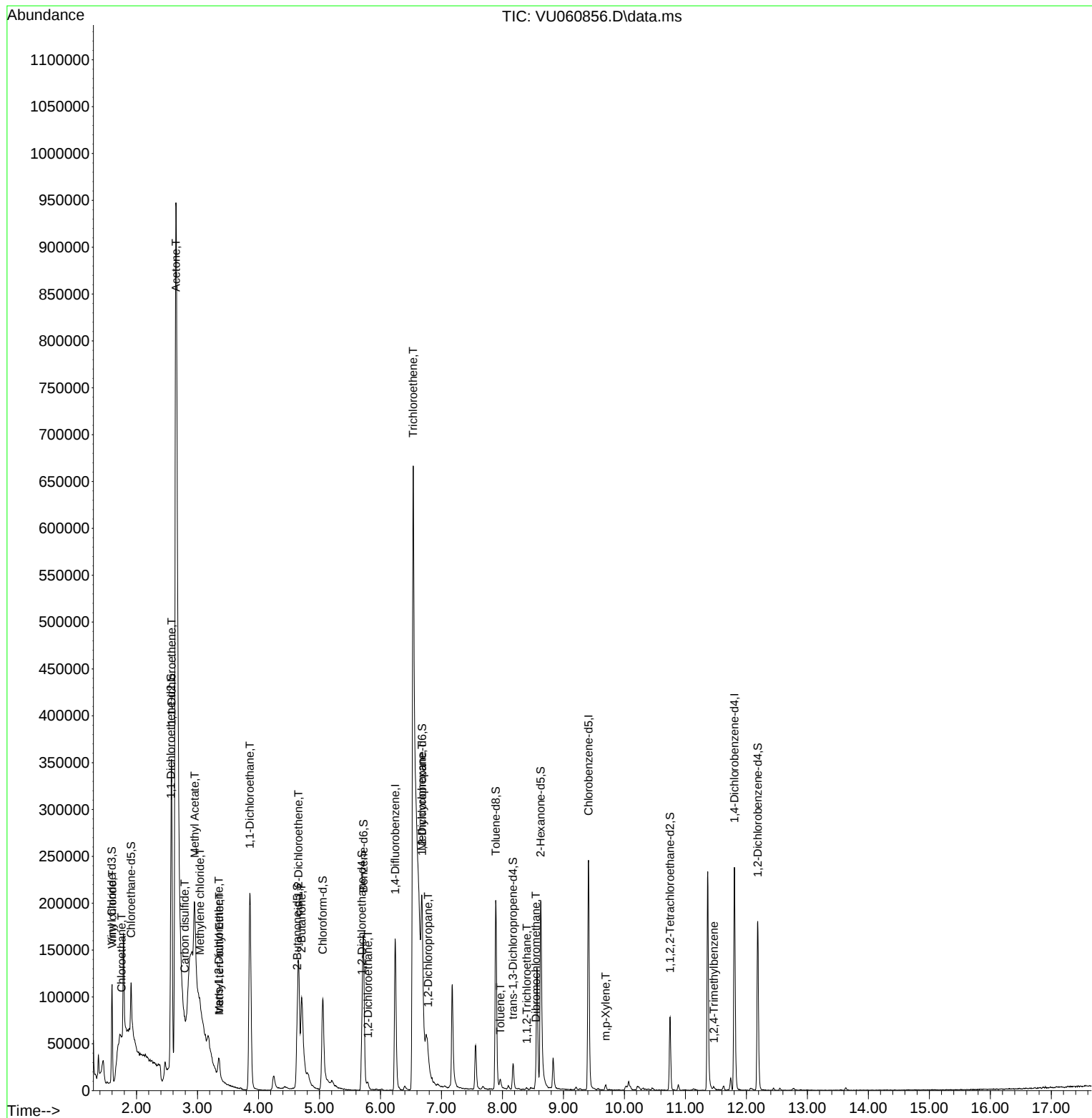
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.692	106	1853	0.107	ug/L	86
63) 1,2,4-Trimethylbenzene	11.470	105	1977	0.061	ug/L #	86

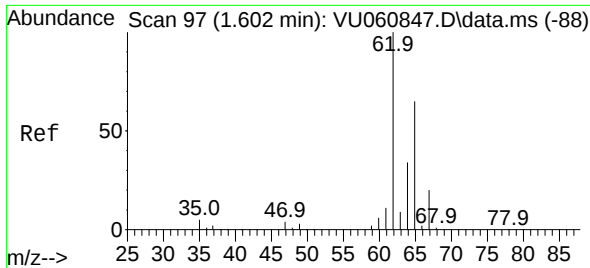
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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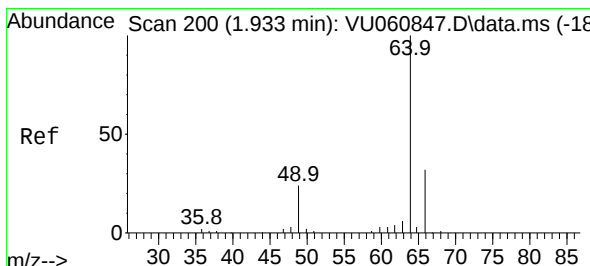
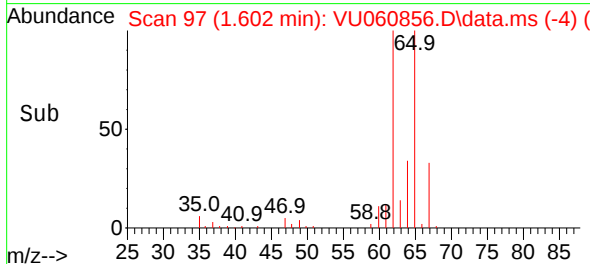
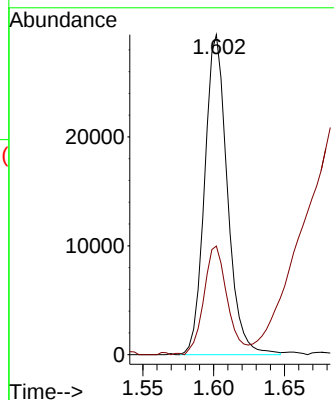
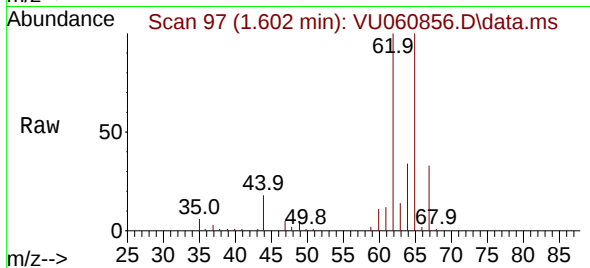




#5
 Vinyl chloride
 Concen: 2.683 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060856.D
 Acq: 18 Sep 2024 01:24

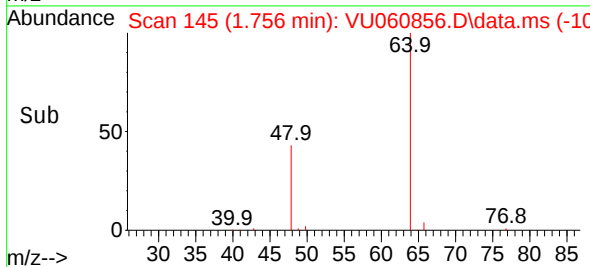
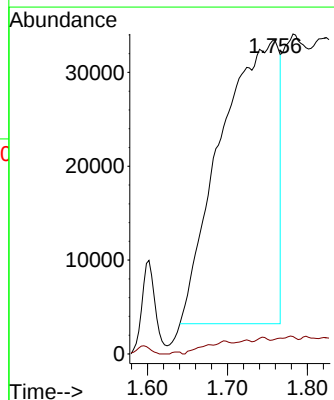
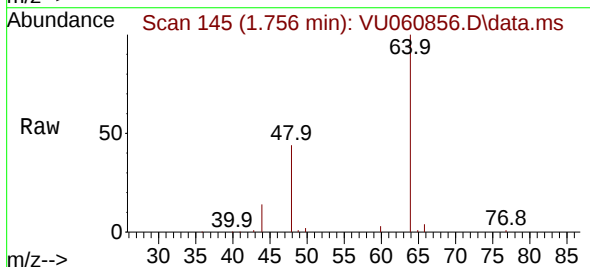
Instrument :
 MSVOA_U
 ClientSampleId :

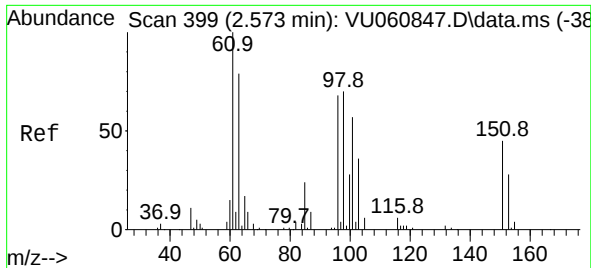
Tgt Ion: 62 Resp: 32822
 Ion Ratio Lower Upper
 62 100
 64 34.0 24.0 44.6



#8
 Chloroethane
 Concen: 20.421 ug/L
 RT: 1.756 min Scan# 145
 Delta R.T. -0.177 min
 Lab File: VU060856.D
 Acq: 18 Sep 2024 01:24

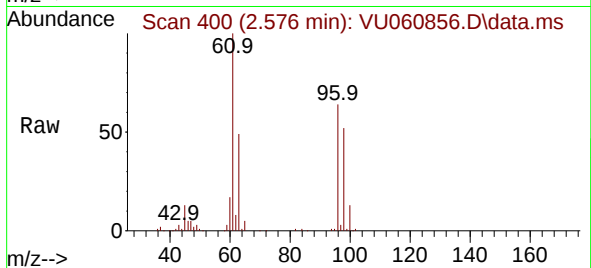
Tgt Ion: 64 Resp: 152617
 Ion Ratio Lower Upper
 64 100
 66 4.4 22.3 41.3#



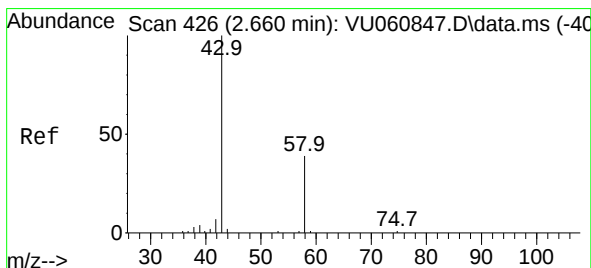
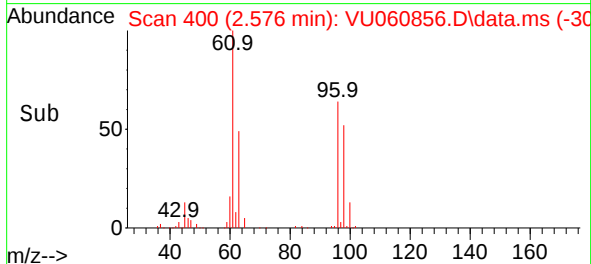
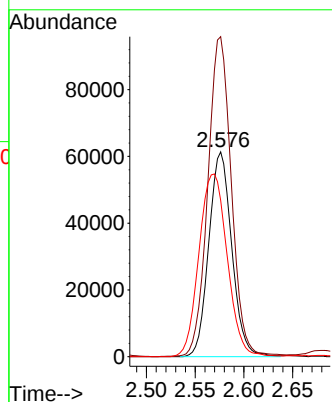


#12
1,1-Dichloroethene
Concen: 11.274 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Instrument :
MSVOA_U
ClientSampleId :

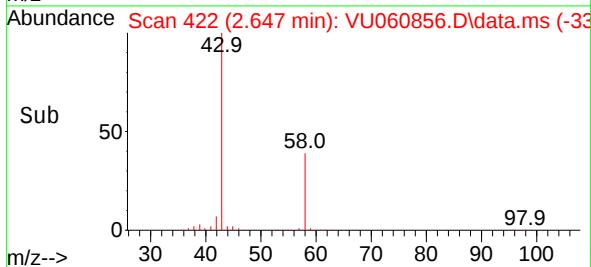
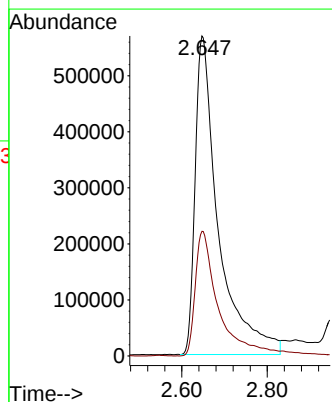
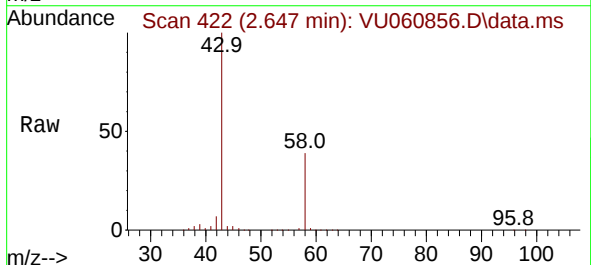


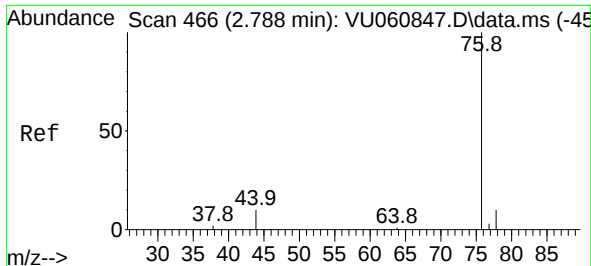
Tgt Ion: 96 Resp: 100519
Ion Ratio Lower Upper
96 100
61 156.2 120.7 224.1
63 76.3 90.0 167.2#



#13
Acetone
Concen: 1569.976 ug/L
RT: 2.647 min Scan# 422
Delta R.T. -0.013 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

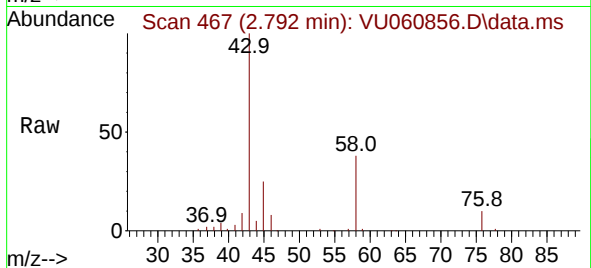
Tgt Ion: 43 Resp: 2143704
Ion Ratio Lower Upper
43 100
58 38.9 0.0 69.6



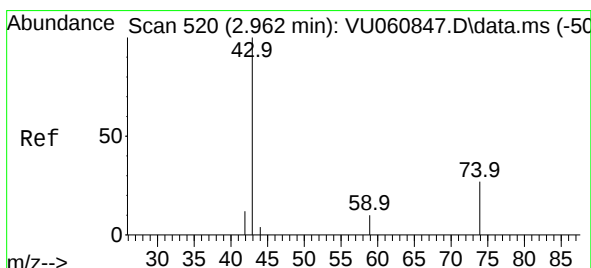
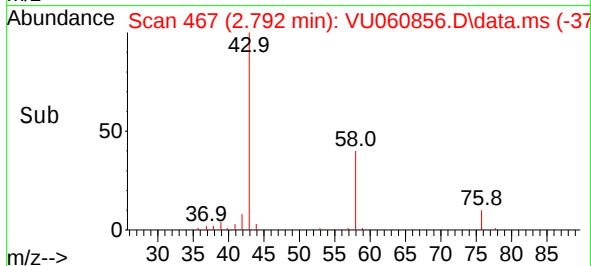
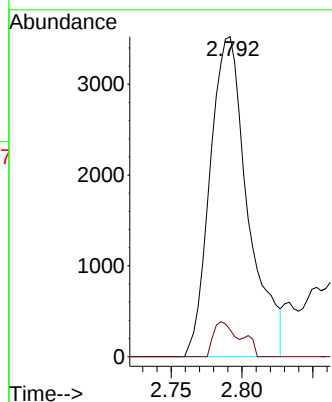


#14
Carbon disulfide
Concen: 0.265 ug/L
RT: 2.792 min Scan# 467
Delta R.T. 0.003 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Instrument :
MSVOA_U
ClientSampleId :

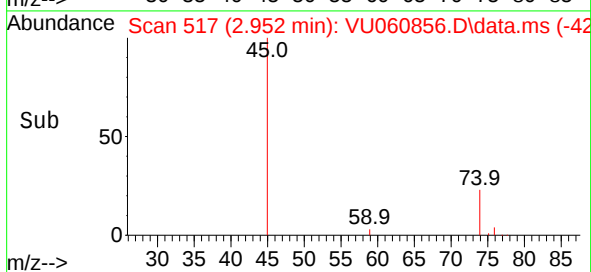
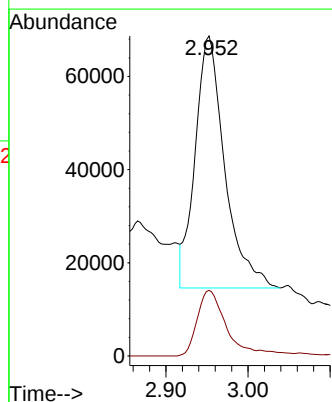
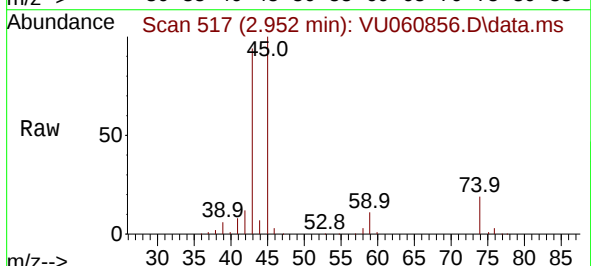


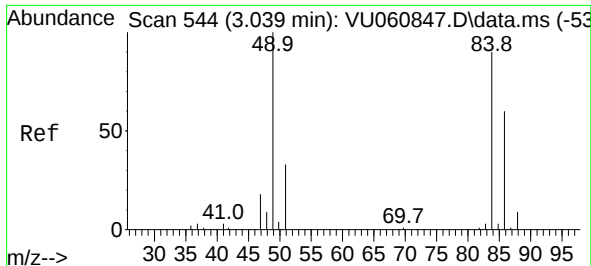
Tgt Ion: 76 Resp: 6552
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7



#15
Methyl Acetate
Concen: 40.709 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.010 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Tgt Ion: 43 Resp: 135523
Ion Ratio Lower Upper
43 100
74 24.5 18.9 28.3





#16

Methylene chloride

Concen: 0.233 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

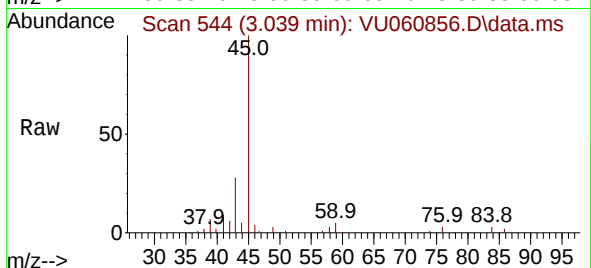
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Acq: 18 Sep 2024 01:24

Instrument :

MSVOA_U

ClientSampleId :



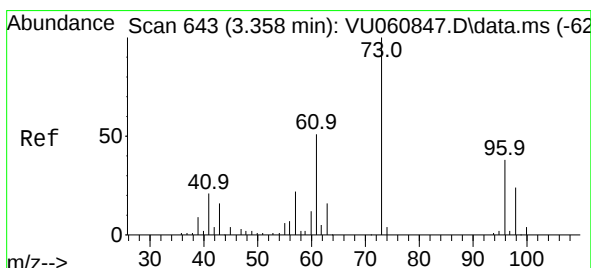
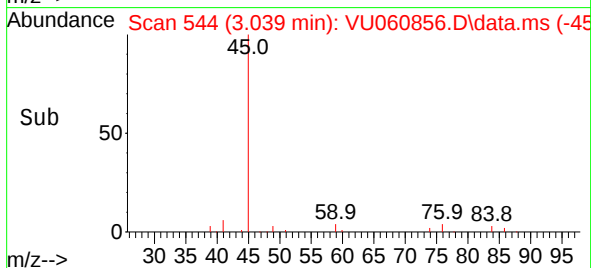
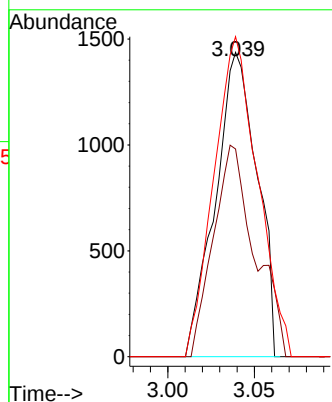
Tgt Ion: 84 Resp: 2406

Ion Ratio Lower Upper

84 100

86 68.3 47.3 87.8

49 105.1 78.7 146.1



#17

Methyl tert-butyl Ether

Concen: 0.427 ug/L

RT: 3.357 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU060856.D

Acq: 18 Sep 2024 01:24

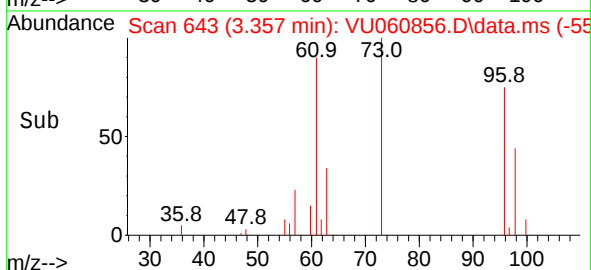
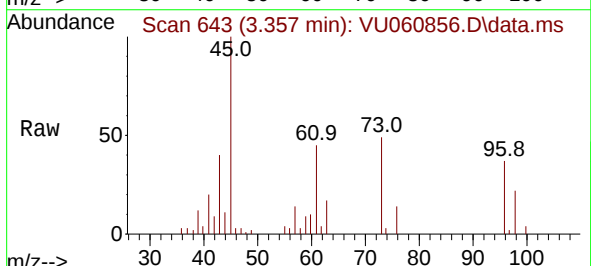
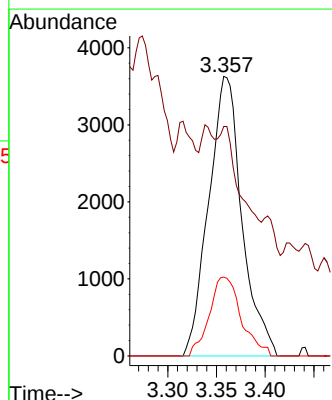
Tgt Ion: 73 Resp: 8602

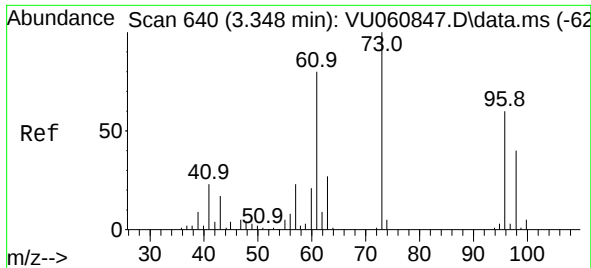
Ion Ratio Lower Upper

73 100

43 0.0 13.8 20.8#

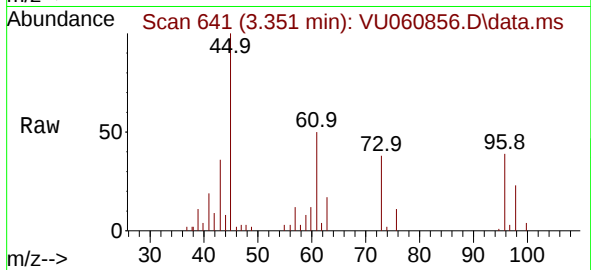
57 27.1 18.0 27.0#



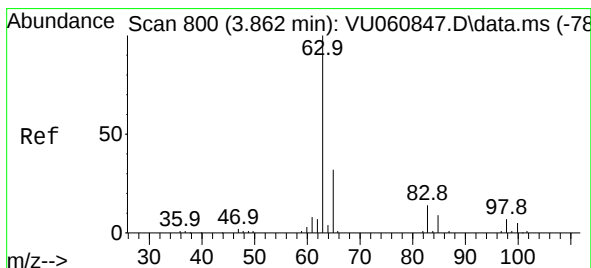
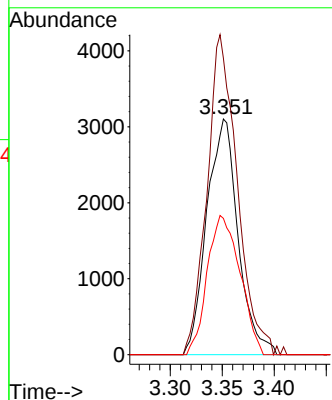
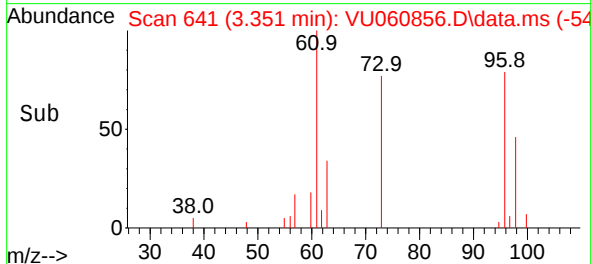


#18
trans-1,2-Dichloroethene
Concen: 0.703 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Instrument :
MSVOA_U
ClientSampleId :

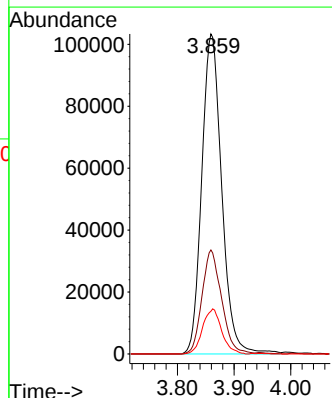
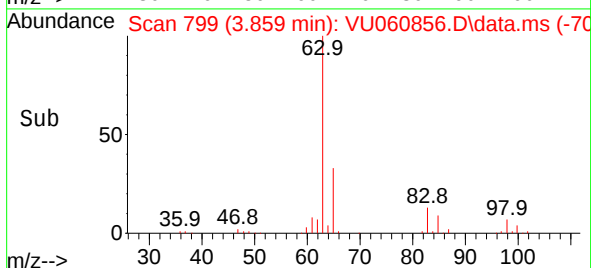
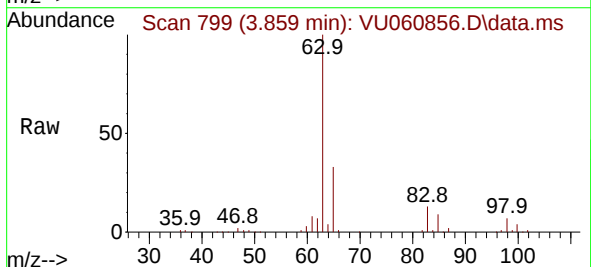


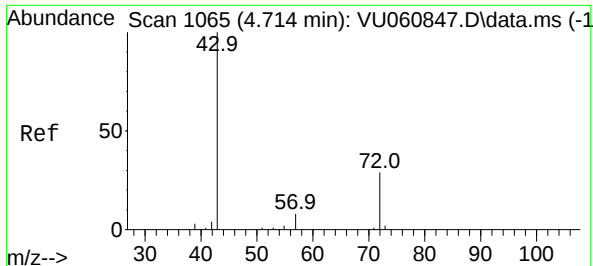
Tgt Ion: 96 Resp: 6496
Ion Ratio Lower Upper
96 100
61 116.4 97.2 180.6
98 53.5 43.3 80.5



#19
1,1-Dichloroethane
Concen: 13.636 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Tgt Ion: 63 Resp: 252942
Ion Ratio Lower Upper
63 100
65 32.5 23.0 42.8
83 13.3 9.0 16.6

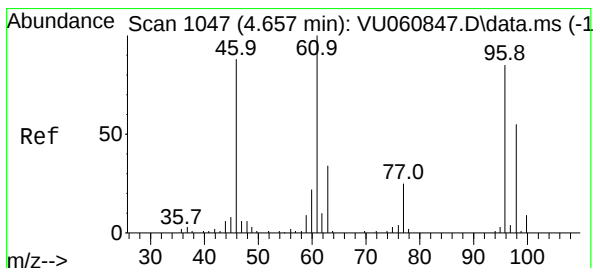
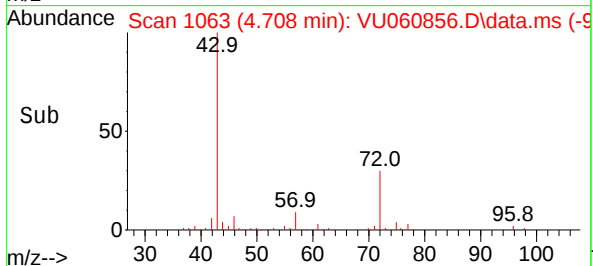
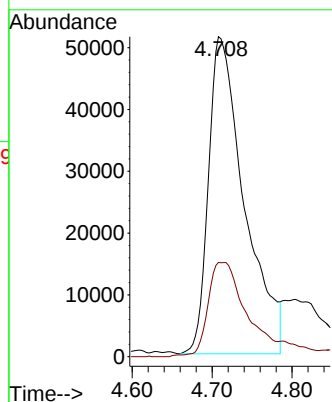
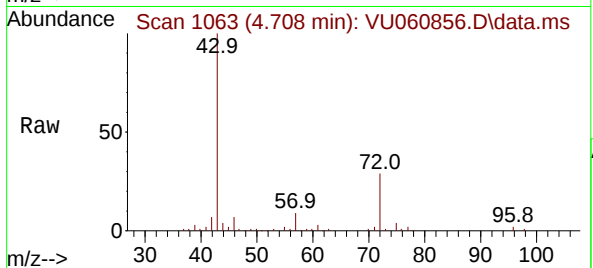




#21
2-Butanone
Concen: 71.998 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.007 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

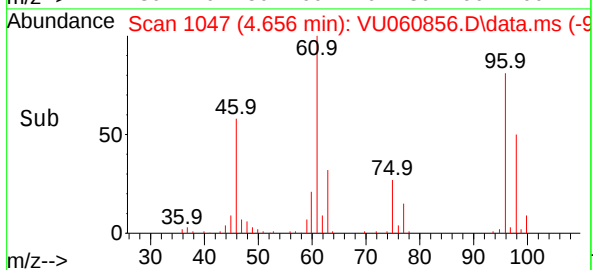
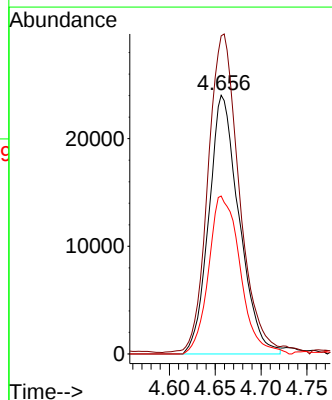
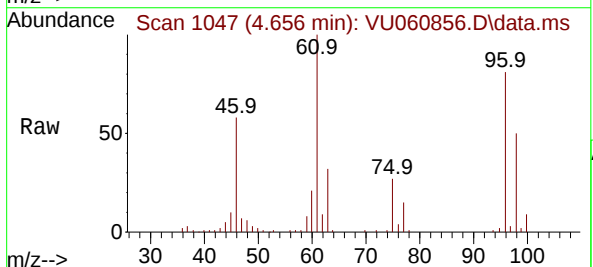
Instrument :
MSVOA_U
ClientSampleId :

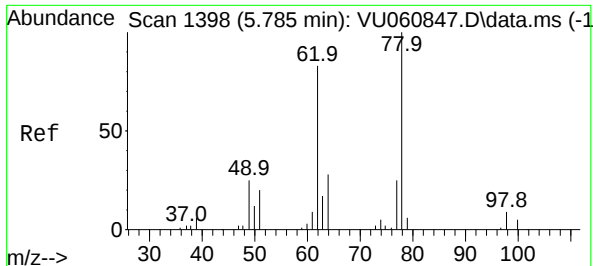
Tgt Ion: 43 Resp: 160032
Ion Ratio Lower Upper
43 100
72 31.4 14.8 44.3



#22
cis-1,2-Dichloroethene
Concen: 5.389 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Tgt Ion: 96 Resp: 55107
Ion Ratio Lower Upper
96 100
61 122.9 89.7 166.5
98 61.0 45.1 83.9

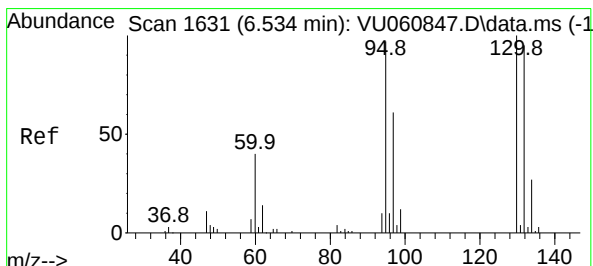
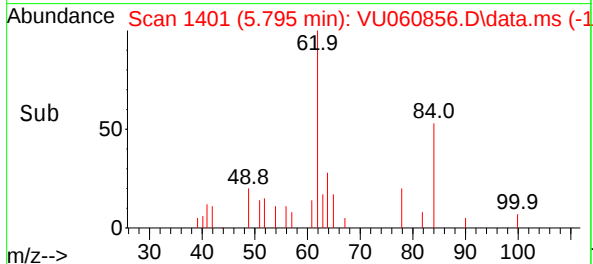
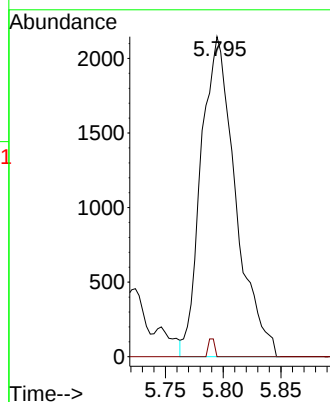
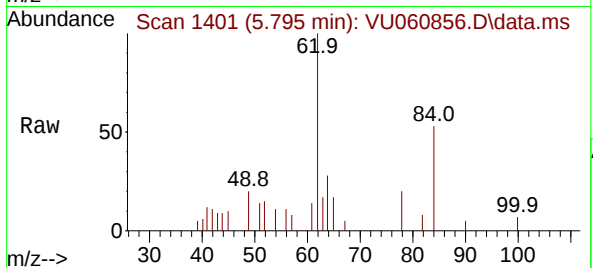




#27
1,2-Dichloroethane
Concen: 0.398 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.010 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

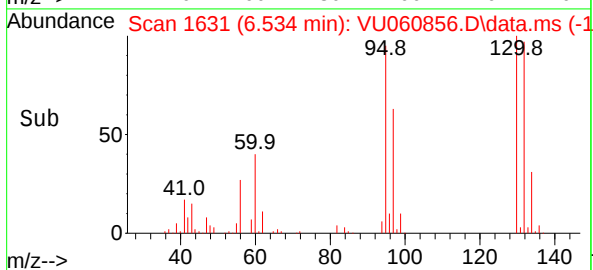
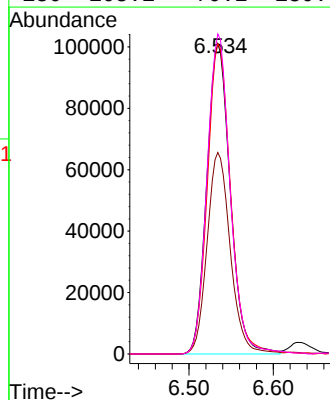
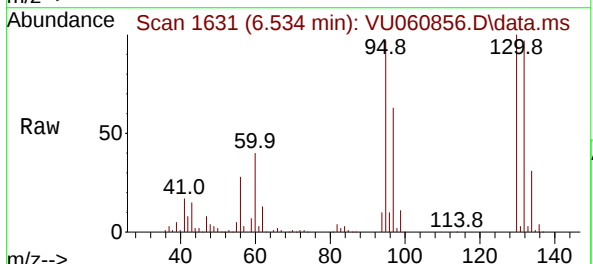
Instrument :
MSVOA_U
ClientSampleId :

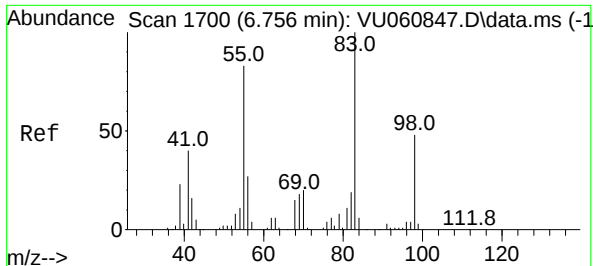
Tgt Ion: 62 Resp: 4457
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#34
Trichloroethene
Concen: 17.927 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

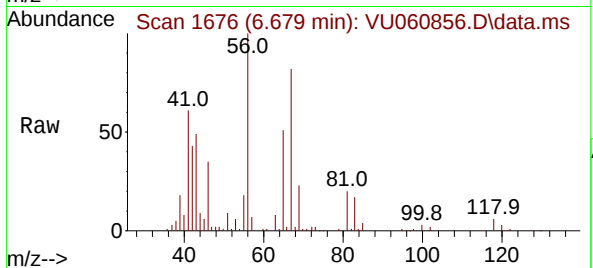
Tgt Ion: 95 Resp: 195825
Ion Ratio Lower Upper
95 100
97 64.9 44.9 83.5
132 100.0 63.5 117.9
130 103.1 70.2 130.4



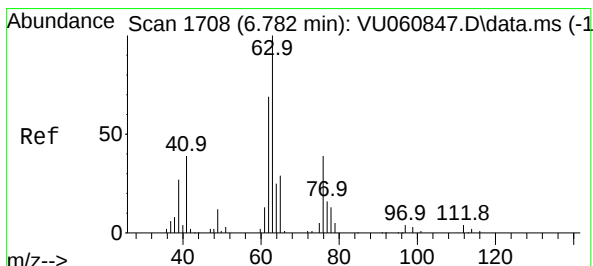
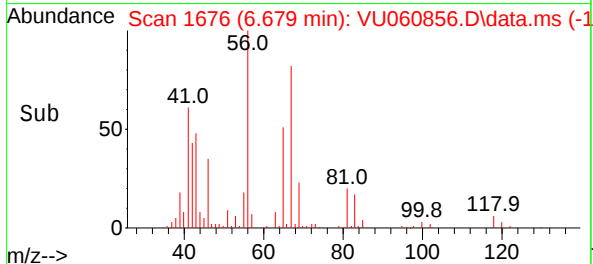
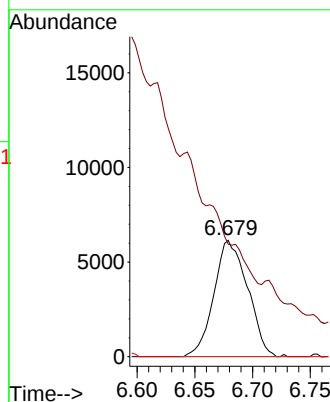


#35
Methylcyclohexane
Concen: 0.833 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.077 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Instrument :
MSVOA_U
ClientSampleId :

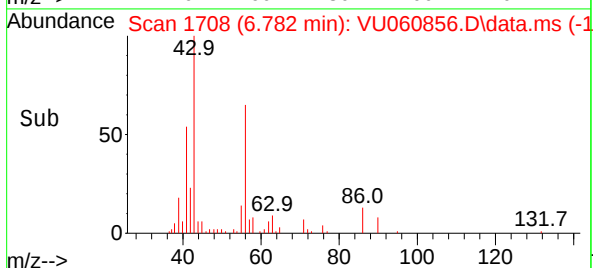
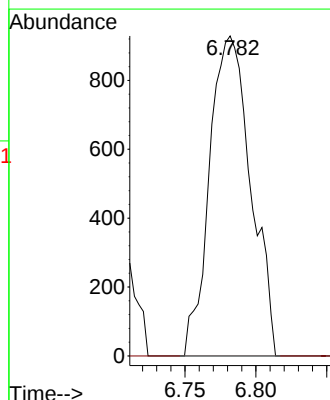
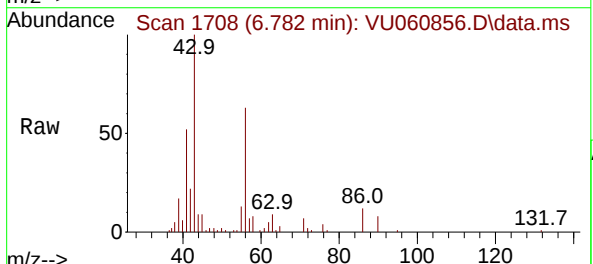


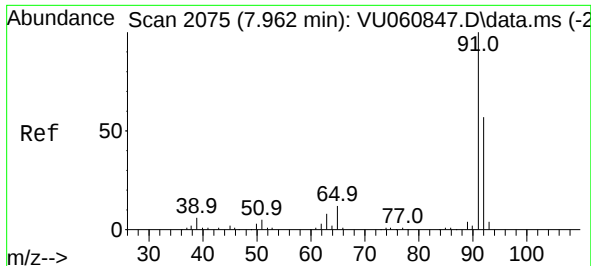
Tgt Ion: 83 Resp: 12479
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 37.6 56.4#



#37
1,2-Dichloropropane
Concen: 0.164 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VU060856.D
Acq: 18 Sep 2024 01:24

Tgt Ion: 63 Resp: 1884
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#





#42

Toluene

Concen: 0.173 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060856.D

Acq: 18 Sep 2024 01:24

Instrument :

MSVOA_U

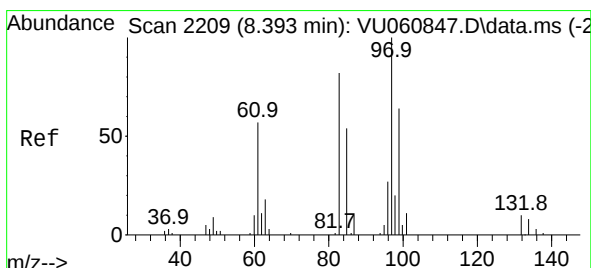
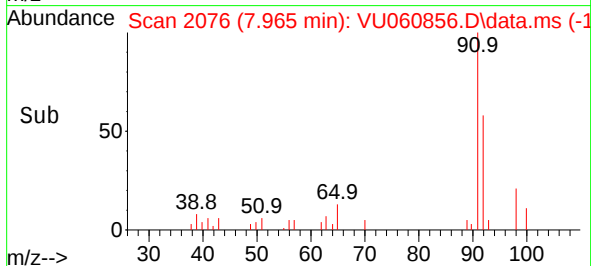
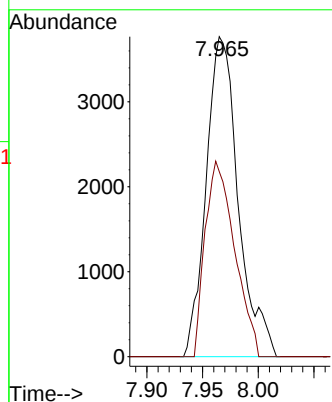
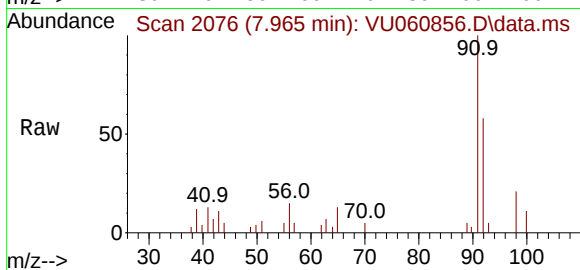
ClientSampleId :

Tgt Ion: 91 Resp: 7554

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.097 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VU060856.D

Acq: 18 Sep 2024 01:24

Tgt Ion: 97 Resp: 801

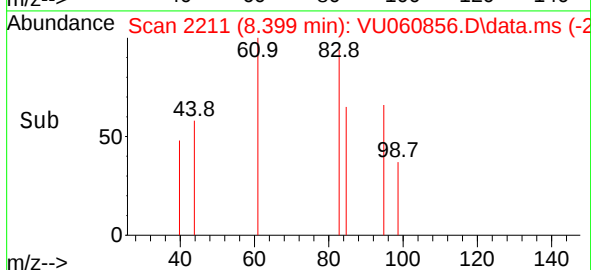
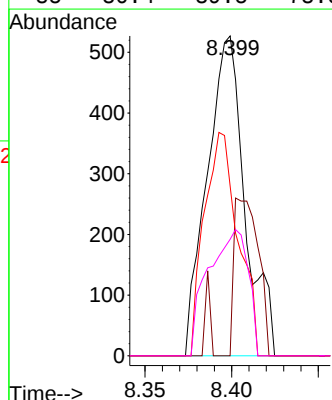
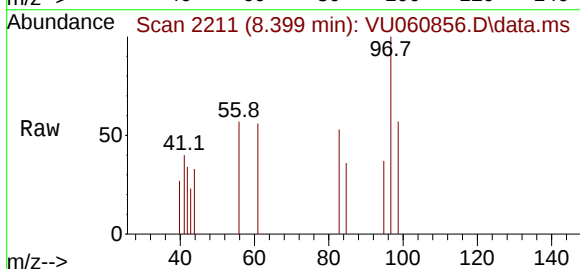
Ion Ratio Lower Upper

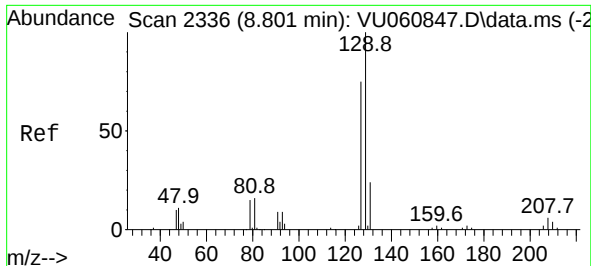
97 100

99 0.0 42.3 78.5#

83 53.1 61.7 114.5#

85 36.4 39.5 73.3#





#49

Dibromochloromethane

Concen: 0.272 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU060856.D

Acq: 18 Sep 2024 01:24

Instrument :

MSVOA_U

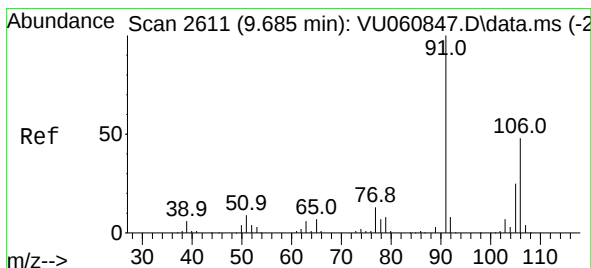
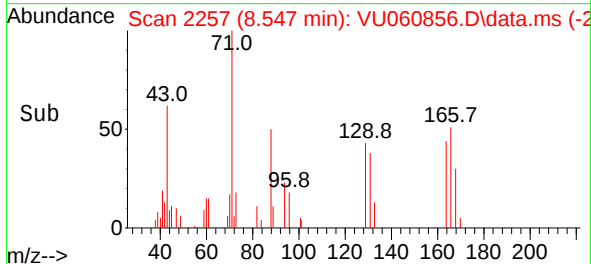
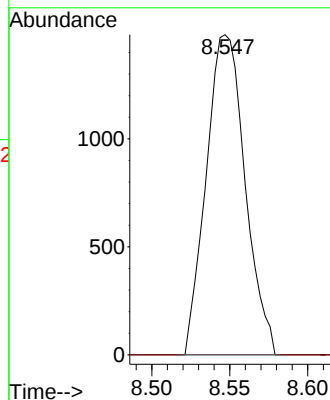
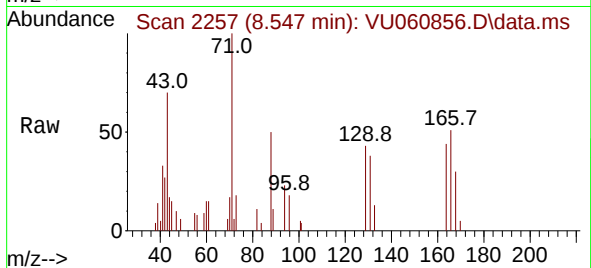
ClientSampleId :

Tgt Ion:129 Resp: 2567

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.1#



#53

m,p-Xylene

Concen: 0.107 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.006 min

Lab File: VU060856.D

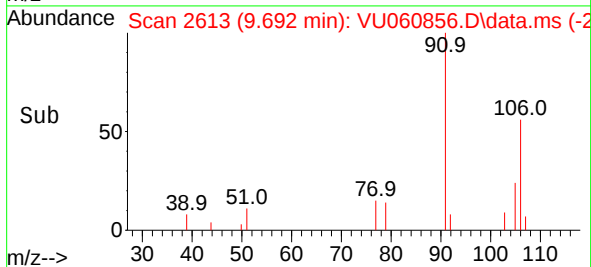
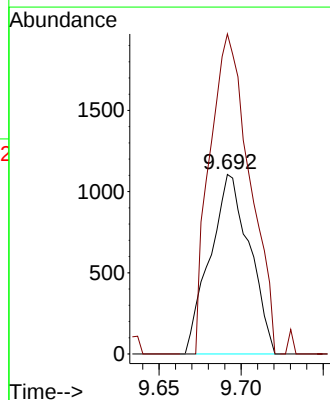
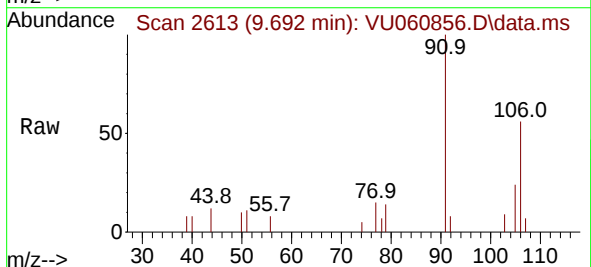
Acq: 18 Sep 2024 01:24

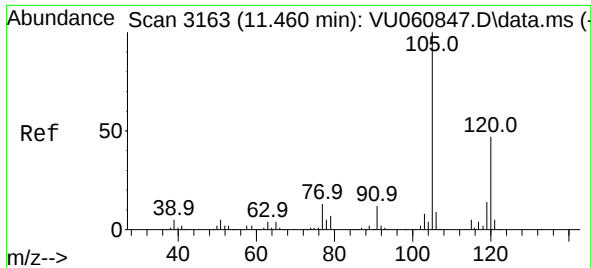
Tgt Ion:106 Resp: 1853

Ion Ratio Lower Upper

106 100

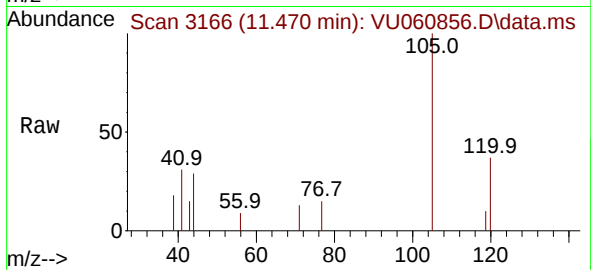
91 178.2 139.7 259.4





#63
 1,2,4-Trimethylbenzene
 Concen: 0.061 ug/L
 RT: 11.470 min Scan# 3166
 Delta R.T. 0.010 min
 Lab File: VU060856.D
 Acq: 18 Sep 2024 01:24

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:105 Resp: 1977
 Ion Ratio Lower Upper
 105 100
 120 36.1 36.1 54.1#

