

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060908.D
 Acq On : 19 Sep 2024 19:08
 Operator : MD/SY
 Sample : P3987-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 00:00:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 23:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	136789	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	138127	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	59215	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	42145	3.426	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.600%
7) Chloroethane-d5	1.911	69	31508	3.597	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.560	65	15834	3.631	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.600%
20) 2-Butanone-d5	4.628	46	76112	38.535	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.080%
24) Chloroform-d	5.055	84	74969	3.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
26) 1,2-Dichloroethane-d4	5.695	65	38335	4.264	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
32) Benzene-d6	5.721	84	145979	3.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.682	67	46852	4.090	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.800%
41) Toluene-d8	7.891	98	125368	3.714	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	8.177	79	14448	3.504	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.000%
46) 2-Hexanone-d5	8.627	63	63398	38.979	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	36200	4.034	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	45706	4.594	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%

Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	12360	1.047	ug/L #	1
8) Chloroethane	1.930	64	5588	0.775	ug/L #	55
12) 1,1-Dichloroethene	2.576	96	175805	20.432	ug/L #	69
13) Acetone	2.641	43	448727	340.537	ug/L	94
14) Carbon disulfide	2.788	76	23763	0.996	ug/L	99
15) Methyl Acetate	2.946	43	369539	115.026	ug/L #	90
16) Methylene chloride	3.042	84	4763	0.478	ug/L	86
17) Methyl tert-butyl Ether	3.361	73	12897	0.663	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	2924	0.328	ug/L	97
19) 1,1-Dichloroethane	3.859	63	676284	37.779	ug/L	97
21) 2-Butanone	4.705	43	213647	99.601	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	391904	39.716	ug/L	95
27) 1,2-Dichloroethane	5.795	62	4005	0.370	ug/L #	72
34) Trichloroethene	6.534	95	617579	62.028	ug/L	95
35) Methylcyclohexane	6.682	83	11717	0.858	ug/L #	23
42) Toluene	7.968	91	6729	0.169	ug/L	97
53) m,p-Xylene	9.692	106	1711	0.108	ug/L	84
61) 1,2,3-Trichloropropane	11.804	75	6305	1.142	ug/L #	68
63) 1,2,4-Trimethylbenzene	11.463	105	1388	0.052	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 23:54:48 2024
Response via : Initial Calibration

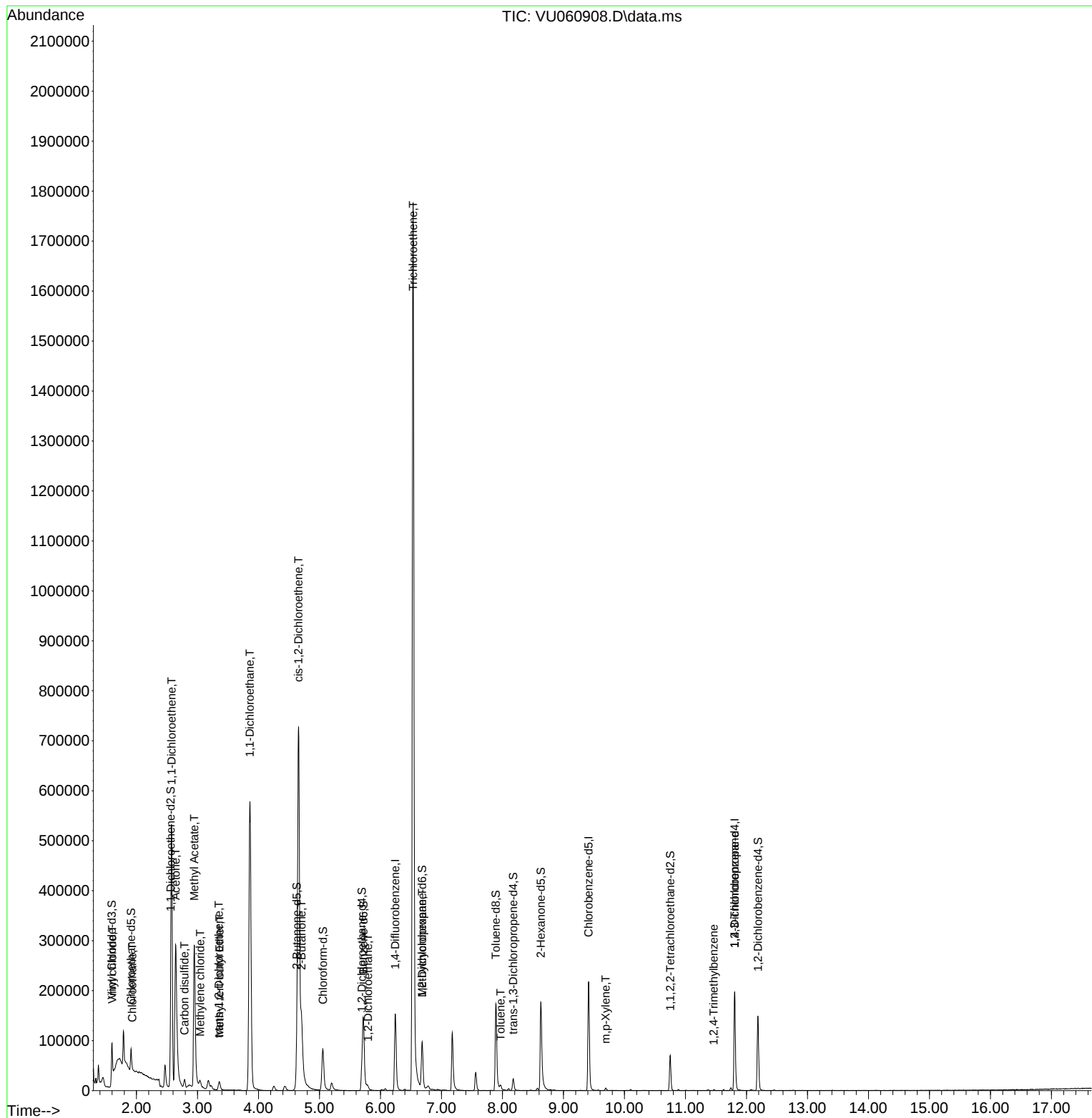
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

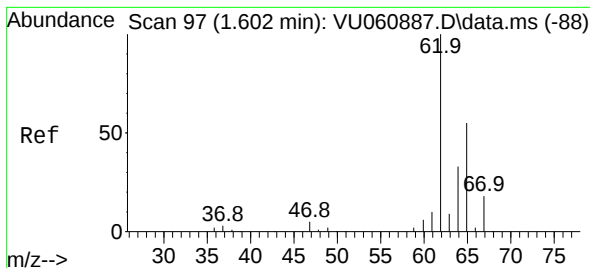
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.047 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

Instrument :

MSVOA_U

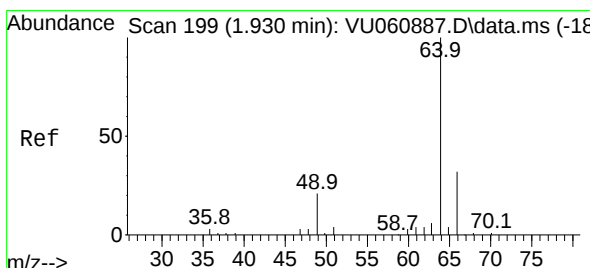
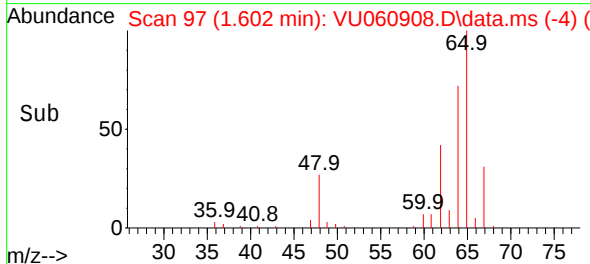
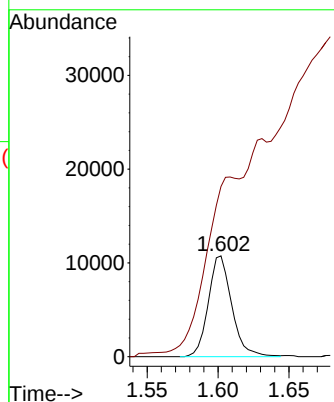
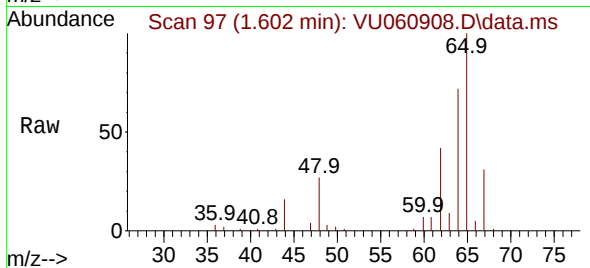
ClientSampleId :

Tgt Ion: 62 Resp: 12360

Ion Ratio Lower Upper

62 100

64 168.8 24.0 44.6#



#8

Chloroethane

Concen: 0.775 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU060908.D

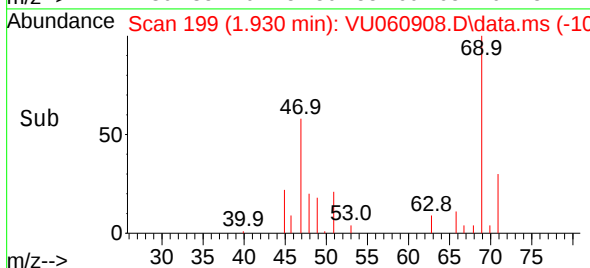
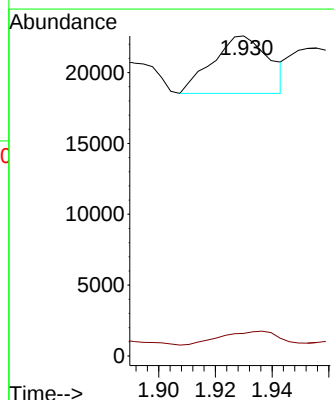
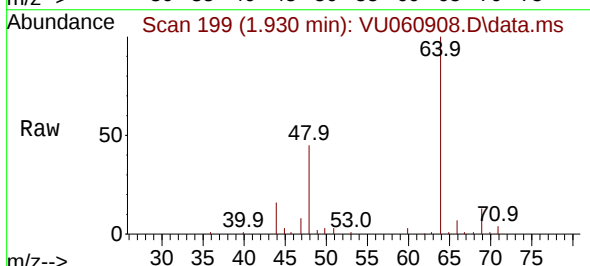
Acq: 19 Sep 2024 19:08

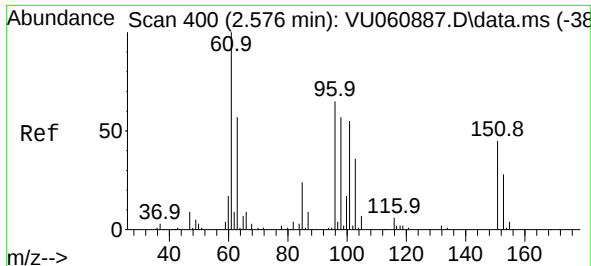
Tgt Ion: 64 Resp: 5588

Ion Ratio Lower Upper

64 100

66 7.0 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 20.432 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

Instrument :

MSVOA_U

ClientSampleId :

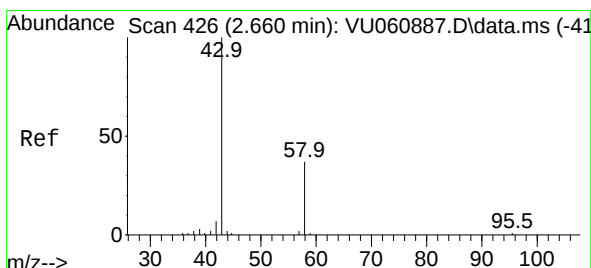
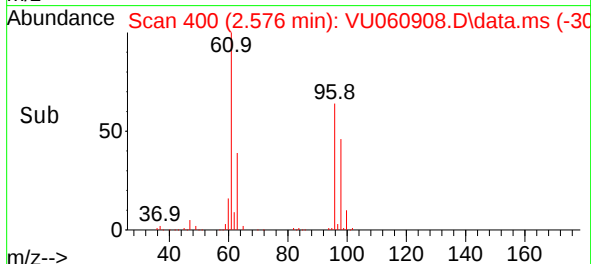
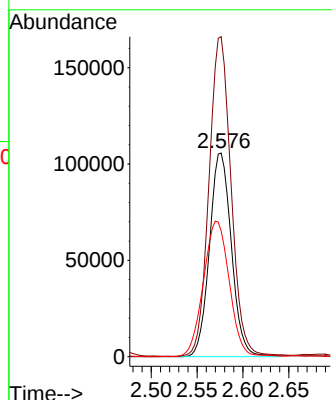
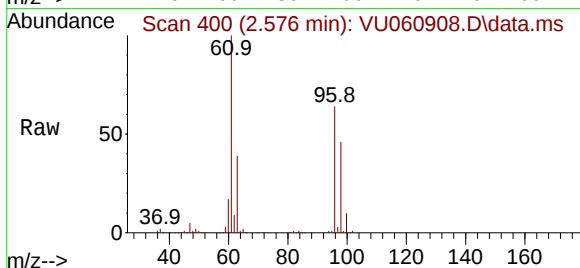
Tgt Ion: 96 Resp: 175805

Ion Ratio Lower Upper

96 100

61 157.1 120.7 224.1

63 61.7 90.0 167.2#



#13

Acetone

Concen: 340.537 ug/L

RT: 2.641 min Scan# 420

Delta R.T. -0.019 min

Lab File: VU060908.D

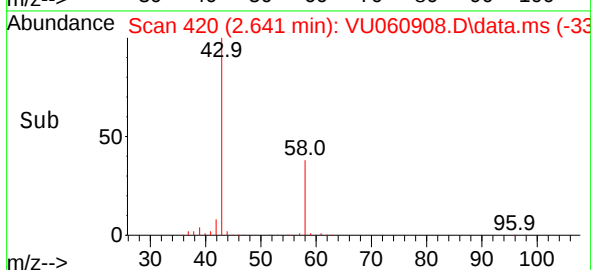
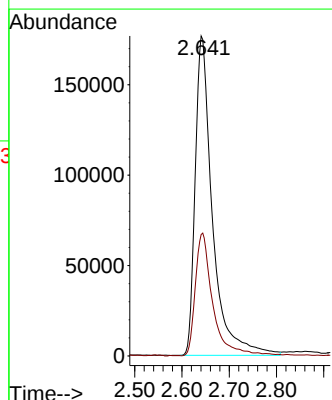
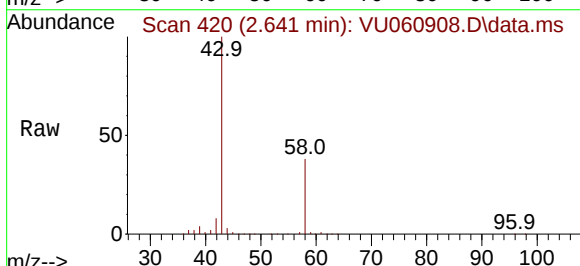
Acq: 19 Sep 2024 19:08

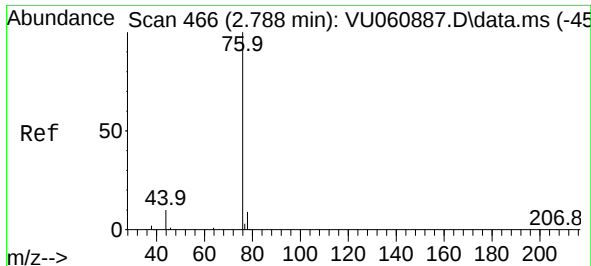
Tgt Ion: 43 Resp: 448727

Ion Ratio Lower Upper

43 100

58 38.1 0.0 69.6

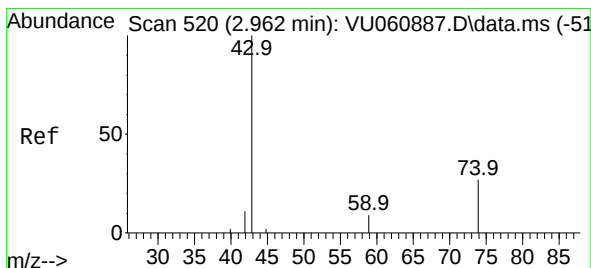
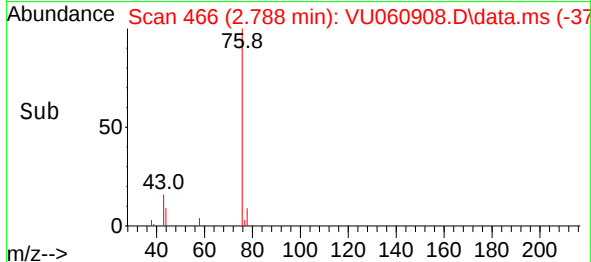
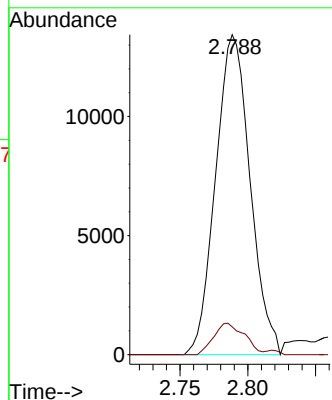
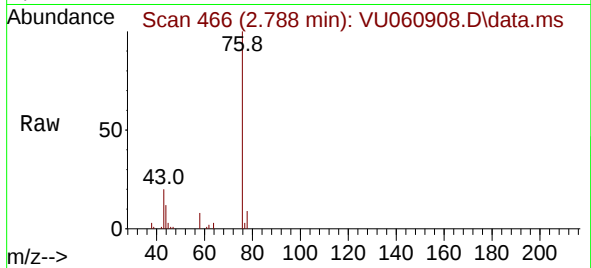




#14
Carbon disulfide
Concen: 0.996 ug/L
RT: 2.788 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

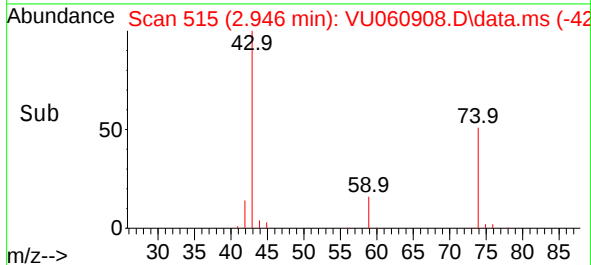
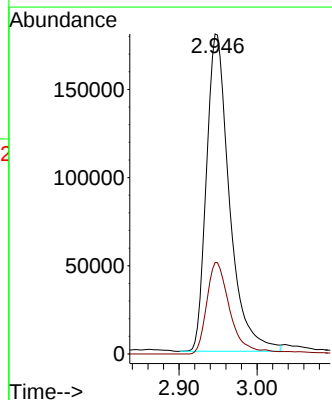
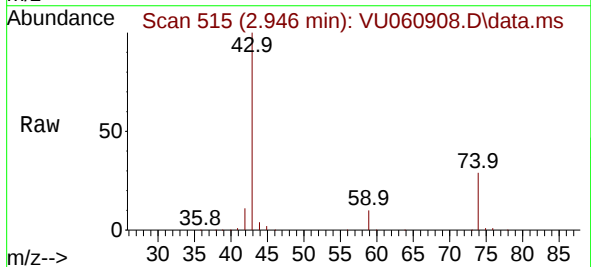
Instrument :
MSVOA_U
ClientSampleId :

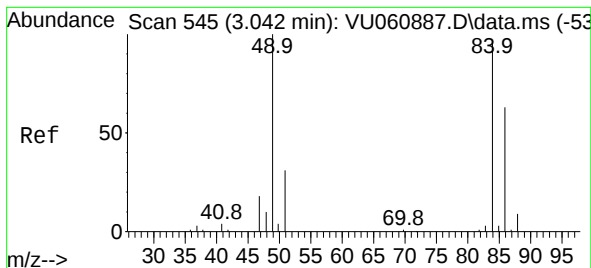
Tgt Ion: 76 Resp: 23763
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#15
Methyl Acetate
Concen: 115.026 ug/L
RT: 2.946 min Scan# 515
Delta R.T. -0.016 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

Tgt Ion: 43 Resp: 369539
Ion Ratio Lower Upper
43 100
74 28.5 18.9 28.3#





#16

Methylene chloride

Concen: 0.478 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.000 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

Instrument :

MSVOA_U

ClientSampleId :

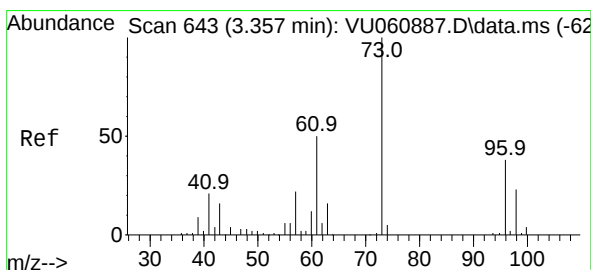
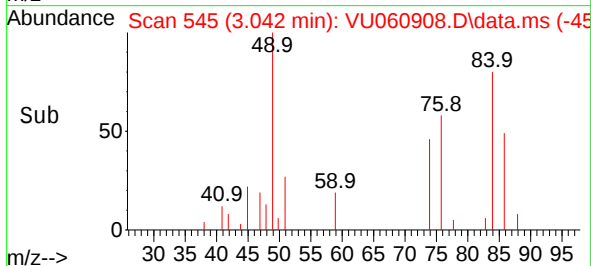
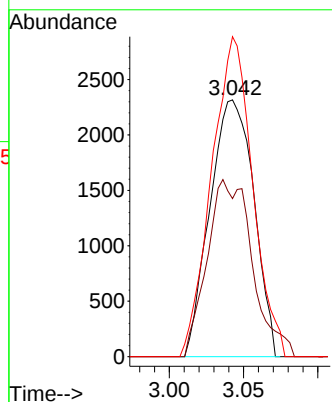
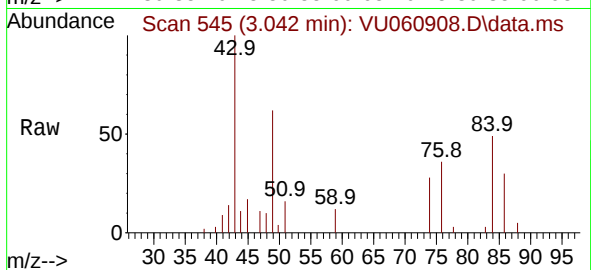
Tgt Ion: 84 Resp: 4763

Ion Ratio Lower Upper

84 100

86 61.5 47.3 87.8

49 132.5 78.7 146.1



#17

Methyl tert-butyl Ether

Concen: 0.663 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.003 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

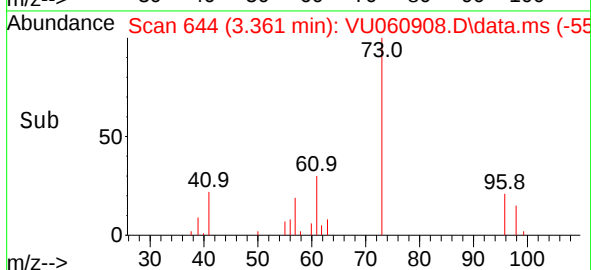
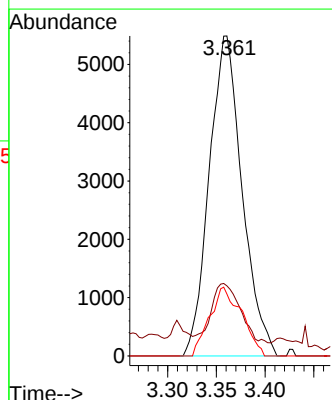
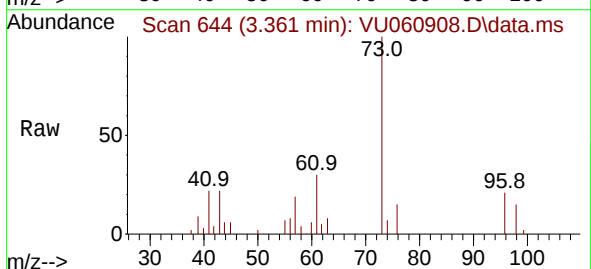
Tgt Ion: 73 Resp: 12897

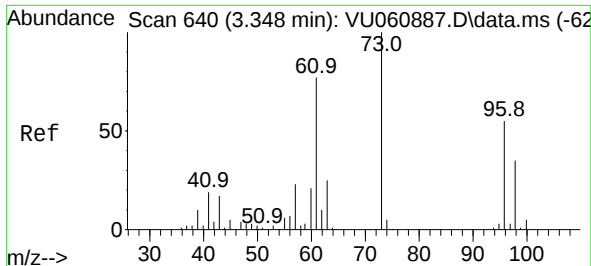
Ion Ratio Lower Upper

73 100

43 16.1 13.8 20.8

57 21.0 18.0 27.0





#18

trans-1,2-Dichloroethene

Concen: 0.328 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.003 min

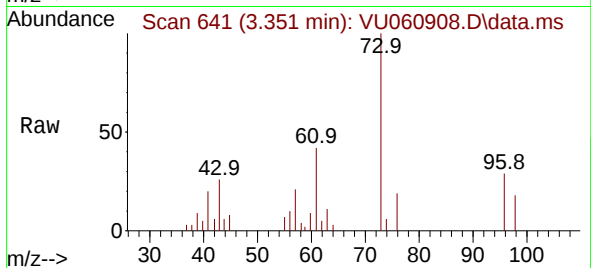
Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

Instrument :

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ClientSampleId :



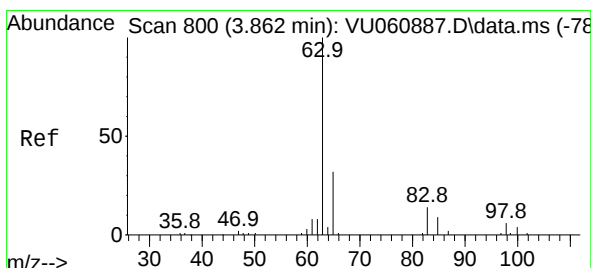
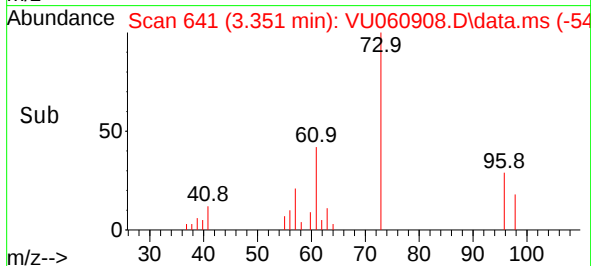
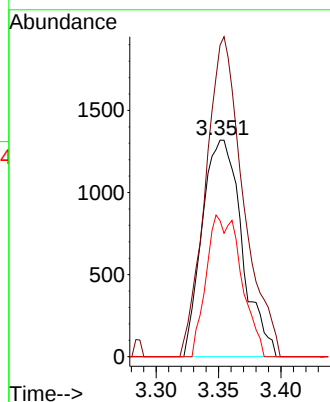
Tgt Ion: 96 Resp: 2924

Ion Ratio Lower Upper

96 100

61 143.8 97.2 180.6

98 62.9 43.3 80.5



#19

1,1-Dichloroethane

Concen: 37.779 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

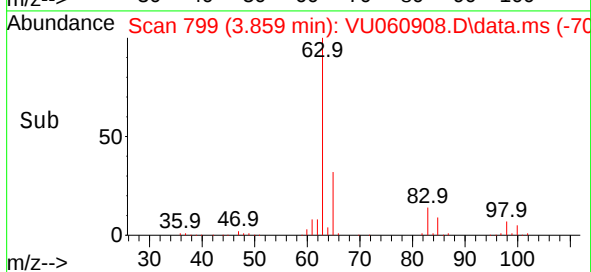
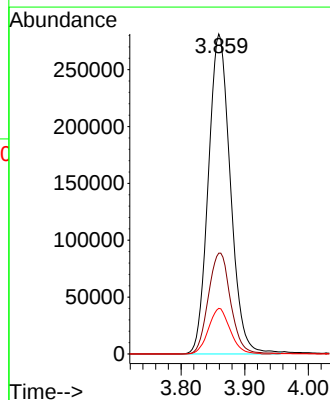
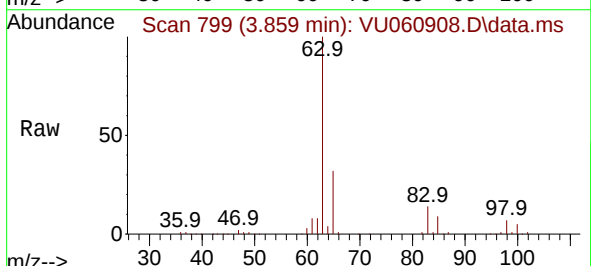
Tgt Ion: 63 Resp: 676284

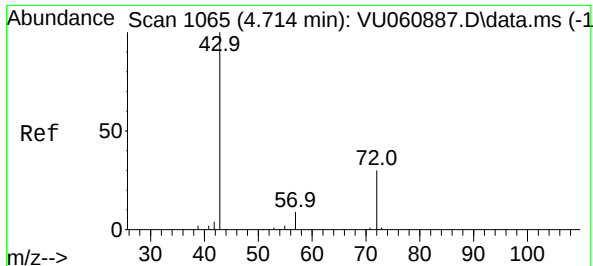
Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.8

83 14.3 9.0 16.6

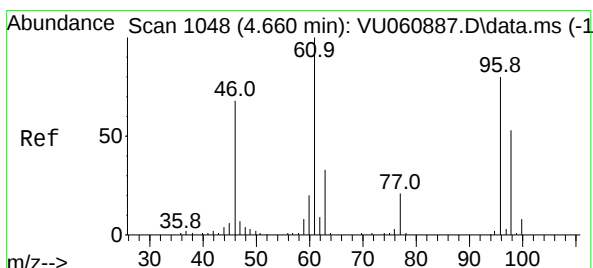
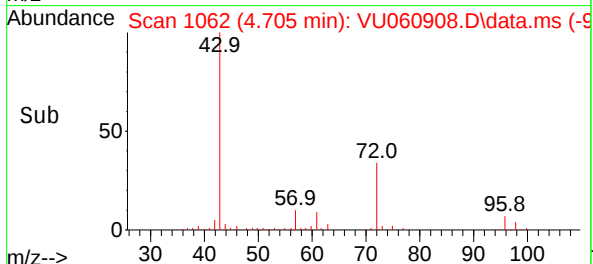
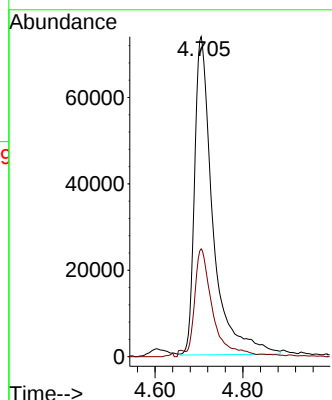
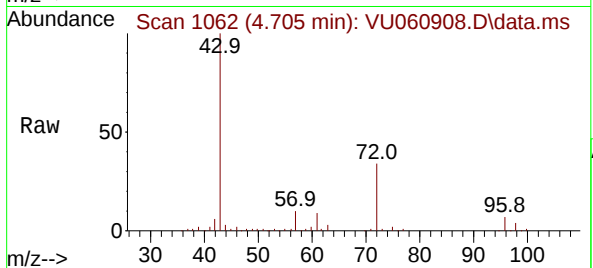




#21
2-Butanone
Concen: 99.601 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.010 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

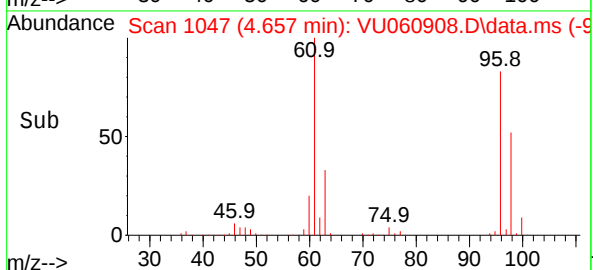
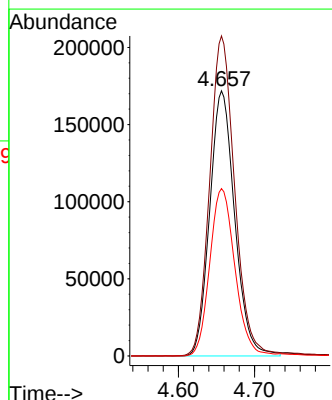
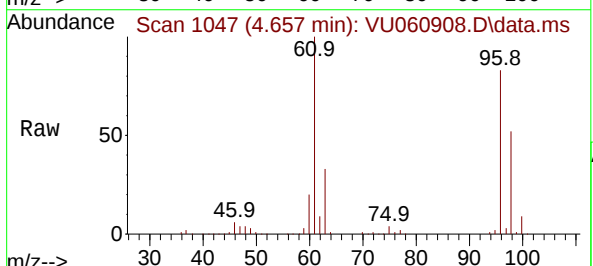
Instrument :
MSVOA_U
ClientSampleId :

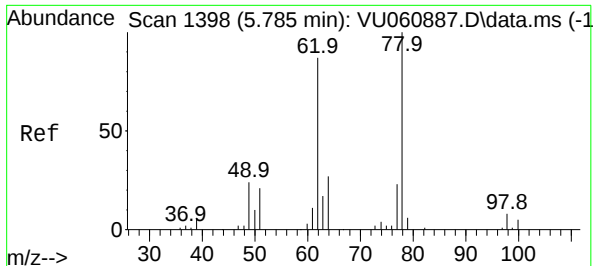
Tgt Ion: 43 Resp: 213647
Ion Ratio Lower Upper
43 100
72 31.5 14.8 44.3



#22
cis-1,2-Dichloroethene
Concen: 39.716 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

Tgt Ion: 96 Resp: 391904
Ion Ratio Lower Upper
96 100
61 120.7 89.7 166.5
98 63.1 45.1 83.9

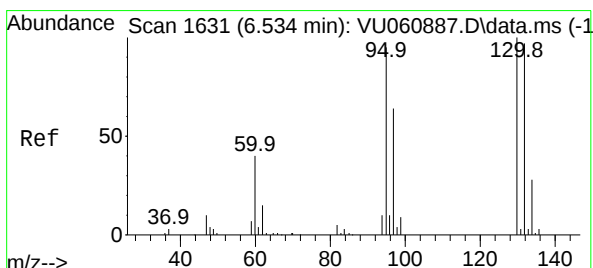
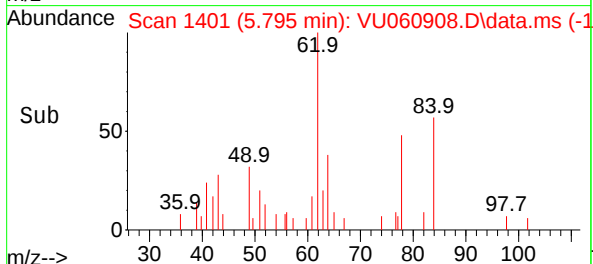
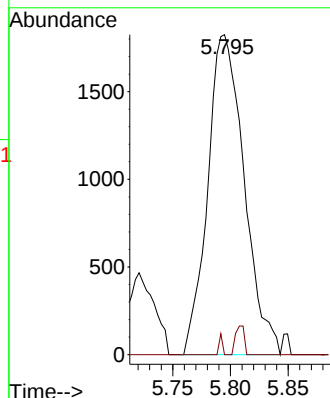
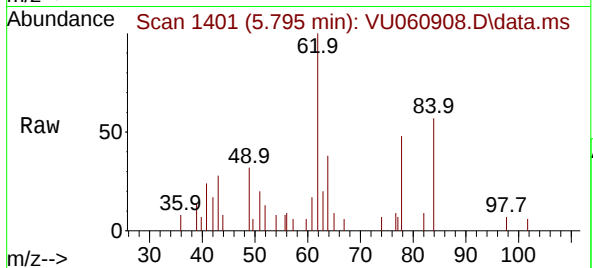




#27
1,2-Dichloroethane
Concen: 0.370 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.010 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

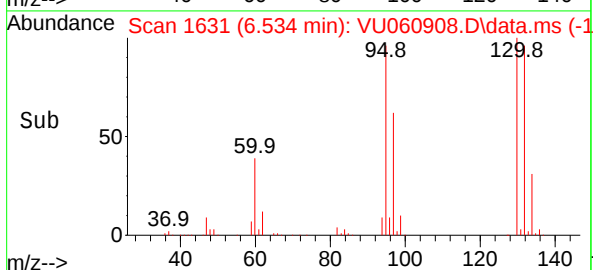
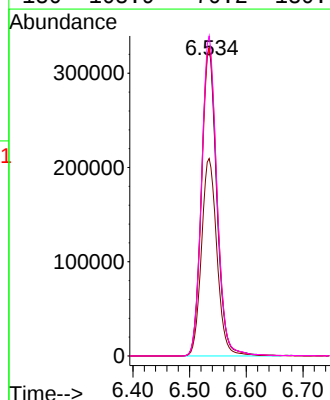
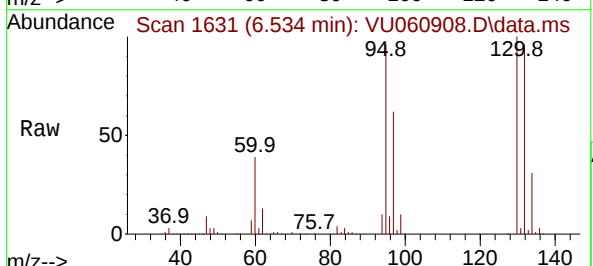
Instrument :
MSVOA_U
ClientSampleId :

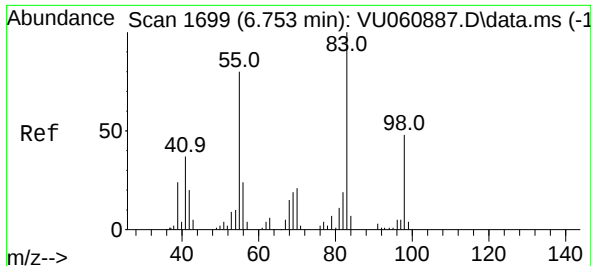
Tgt Ion: 62 Resp: 4005
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#34
Trichloroethene
Concen: 62.028 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

Tgt Ion: 95 Resp: 617579
Ion Ratio Lower Upper
95 100
97 64.1 44.9 83.5
132 99.8 63.5 117.9
130 103.9 70.2 130.4

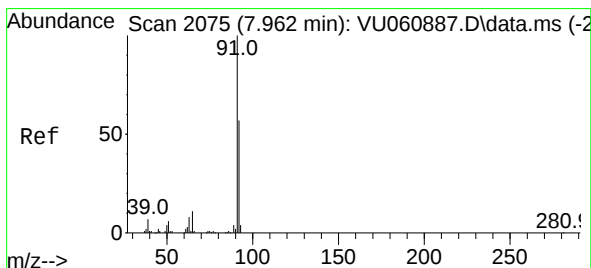
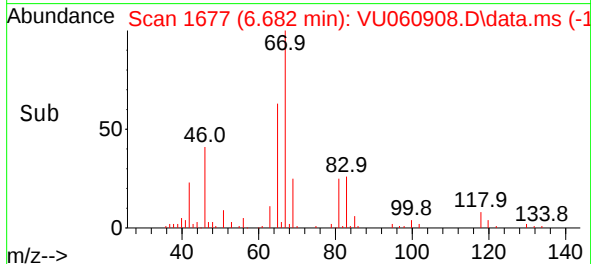
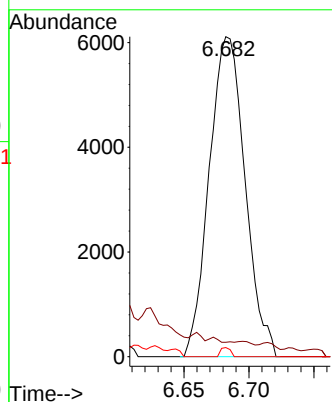
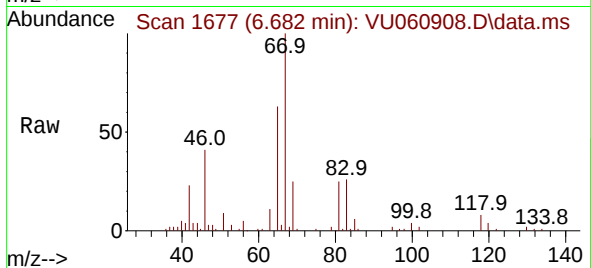




#35
Methylcyclohexane
Concen: 0.858 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.071 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

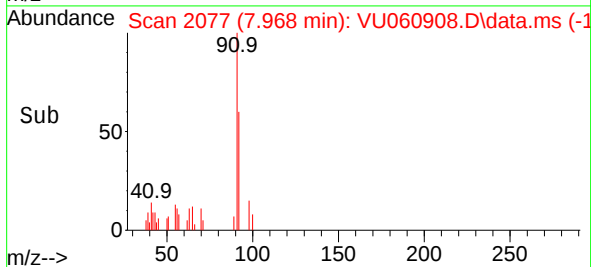
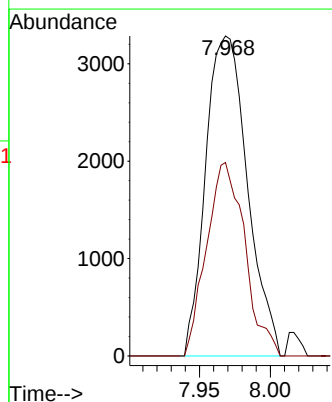
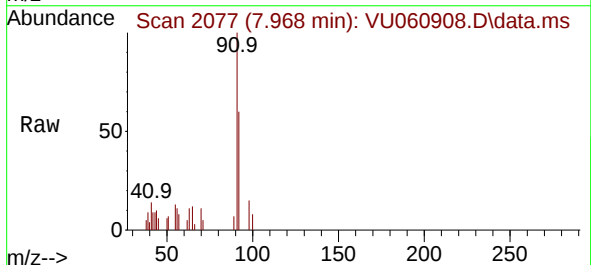
Instrument :
MSVOA_U
ClientSampleId :

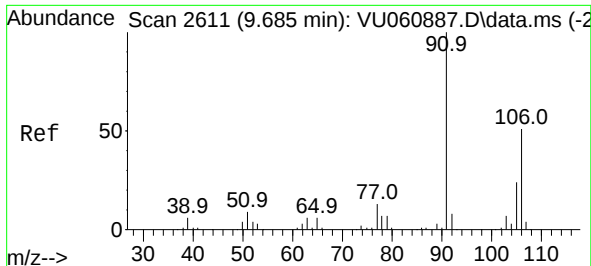
Tgt Ion: 83 Resp: 11717
Ion Ratio Lower Upper
83 100
55 7.6 62.6 94.0#
98 0.0 37.6 56.4#



#42
Toluene
Concen: 0.169 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.007 min
Lab File: VU060908.D
Acq: 19 Sep 2024 19:08

Tgt Ion: 91 Resp: 6729
Ion Ratio Lower Upper
91 100
92 60.4 40.5 75.3





#53

m,p-Xylene

Concen: 0.108 ug/L

RT: 9.692 min Scan# 20

Delta R.T. 0.007 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

Instrument :

MSVOA_U

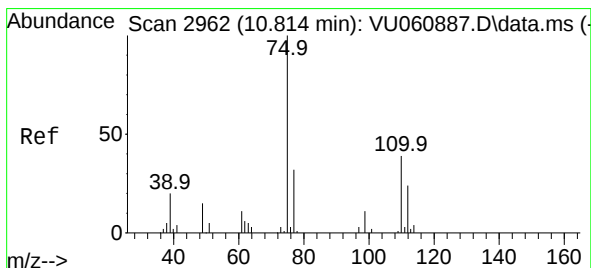
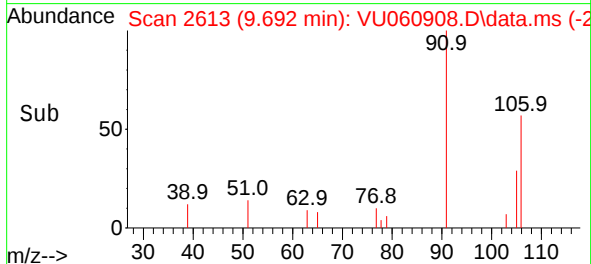
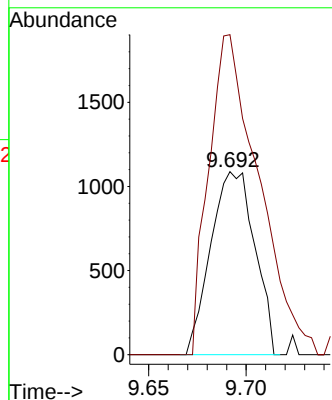
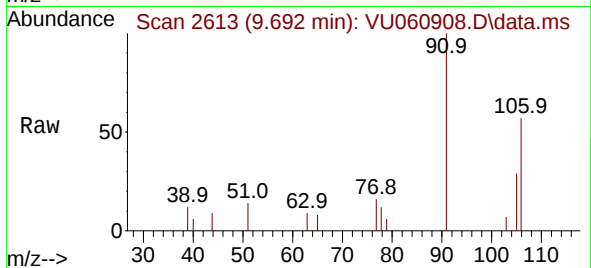
ClientSampleId :

Tgt Ion:106 Resp: 1711

Ion Ratio Lower Upper

106 100

91 174.8 139.7 259.4



#61

1,2,3-Trichloropropane

Concen: 1.142 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

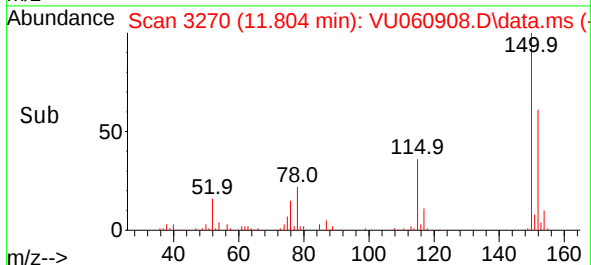
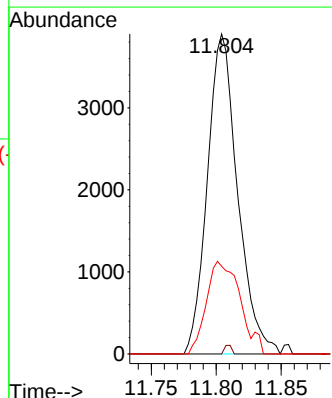
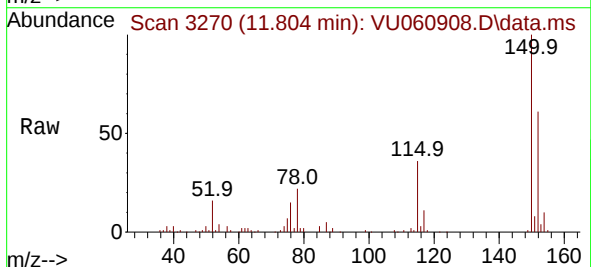
Tgt Ion: 75 Resp: 6305

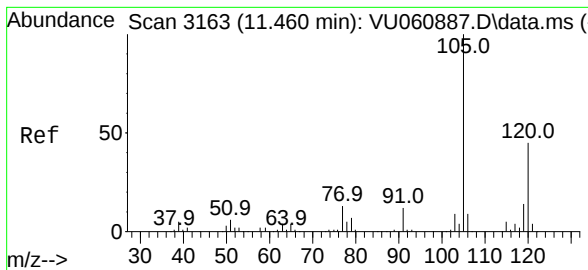
Ion Ratio Lower Upper

75 100

110 0.6 28.6 43.0#

77 32.4 26.3 39.5





#63

1,2,4-Trimethylbenzene

Concen: 0.052 ug/L

RT: 11.463 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU060908.D

Acq: 19 Sep 2024 19:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105 Resp: 1388

Ion Ratio Lower Upper

105 100

120 45.5 36.1 54.1

