

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090524\
 Data File : VU060622.D
 Acq On : 05 Sep 2024 13:57
 Operator : MD/SY
 Sample : P3809-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 02:05:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 06 02:03:06 2024
 Response via : Initial Calibration

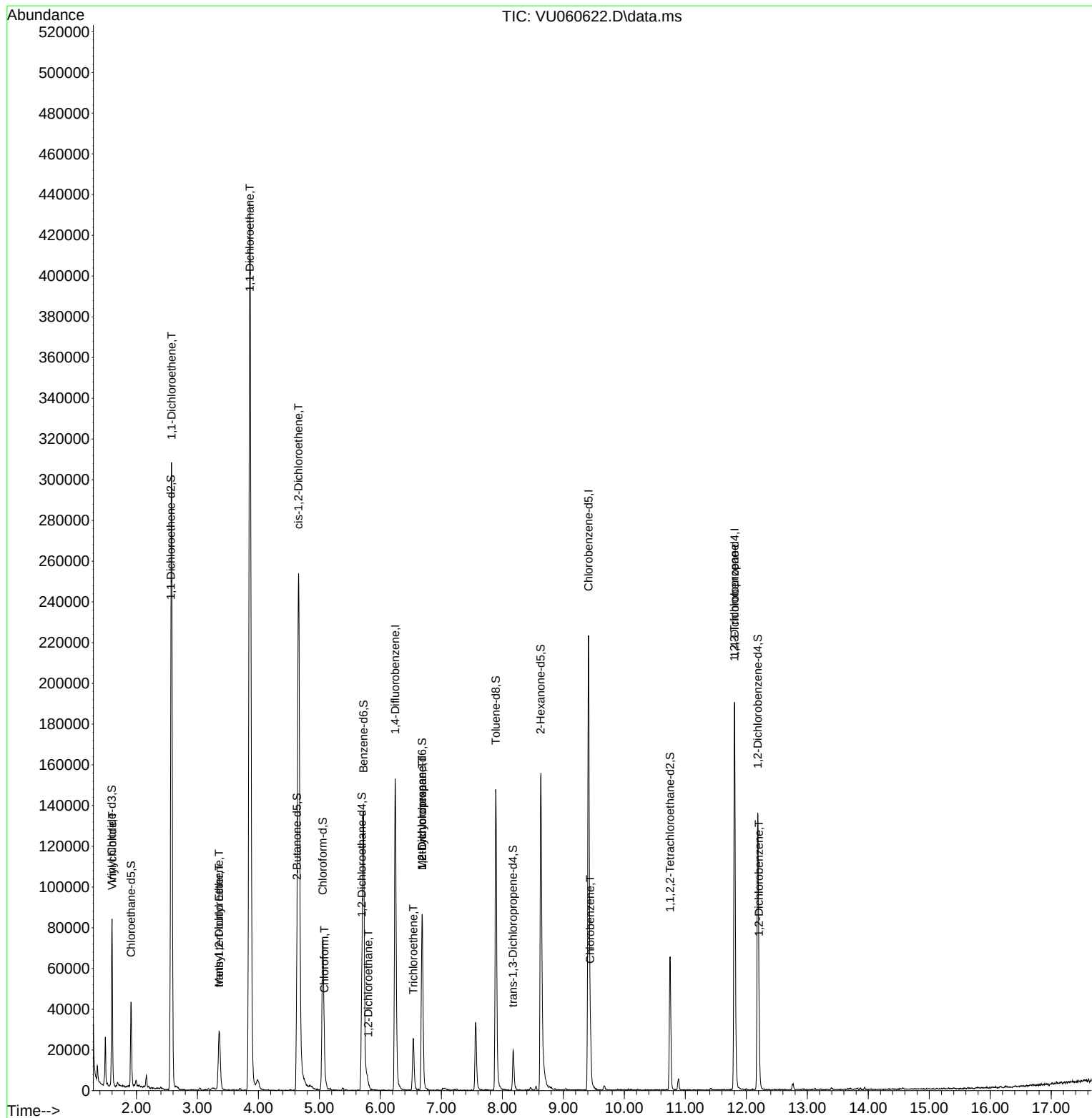
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	127678	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	131362	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	55628	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	30166	5.349	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.000%
7) Chloroethane-d5	1.911	69	30359	3.553	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.000%
11) 1,1-Dichloroethene-d2	2.564	65	13501	4.062	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	4.631	46	82846	42.721	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.440%
24) Chloroform-d	5.055	84	68988	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.695	65	36081	4.301	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	5.721	84	133167	4.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.682	67	43894	4.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.891	98	105899	3.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	8.174	79	12803	3.860	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.628	63	55562	34.991	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.980%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	35016	4.246	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	37496	4.571	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
5) Vinyl chloride	1.602	62	24688	1.997	ug/L	99
12) 1,1-Dichloroethene	2.576	96	93691	8.953	ug/L #	86
17) Methyl tert-butyl Ether	3.355	73	28857	1.359	ug/L	97
18) trans-1,2-Dichloroethene	3.355	96	1953	0.214	ug/L	91
19) 1,1-Dichloroethane	3.859	63	516856	27.997	ug/L	96
22) cis-1,2-Dichloroethene	4.657	96	128619	12.670	ug/L	97
25) Chloroform	5.081	83	3504	0.179	ug/L	89
27) 1,2-Dichloroethane	5.801	62	2136	0.163	ug/L #	93
34) Trichloroethene	6.541	95	8883	0.787	ug/L	95
35) Methylcyclohexane	6.686	83	9305	0.601	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	4365	0.409	ug/L #	91
51) Chlorobenzene	9.441	112	12471	0.438	ug/L	97
61) 1,2,3-Trichloropropane	11.804	75	6743	1.257	ug/L #	64
67) 1,2-Dichlorobenzene	12.206	146	7926	0.465	ug/L	96

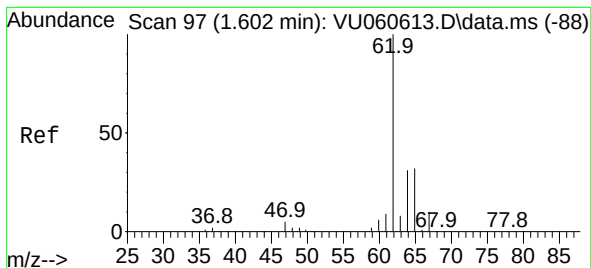
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 06 02:03:06 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.997 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

Instrument :

MSVOA_U

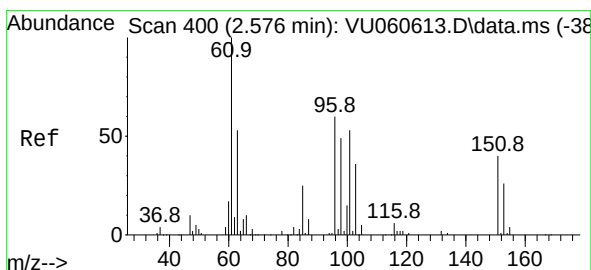
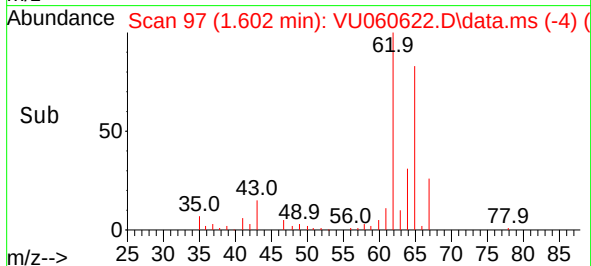
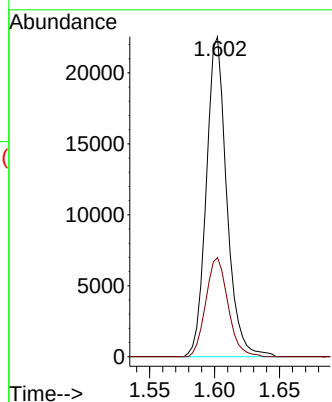
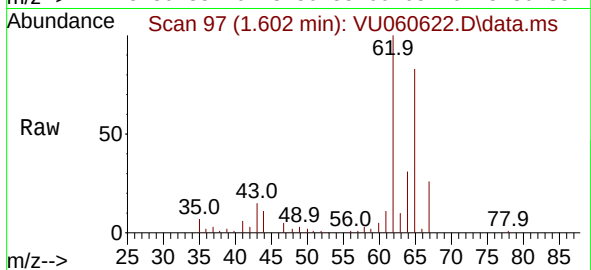
ClientSampleId :

Tgt Ion: 62 Resp: 24688

Ion Ratio Lower Upper

62 100

64 30.9 22.0 40.8



#12

1,1-Dichloroethene

Concen: 8.953 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

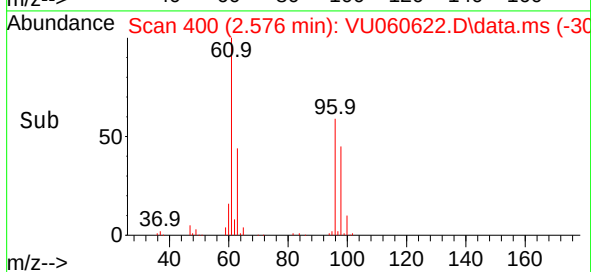
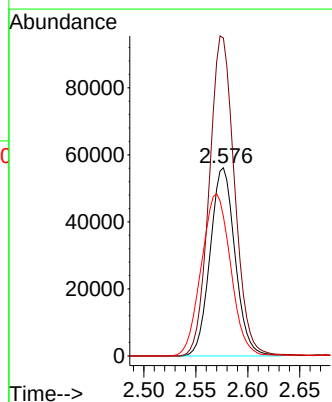
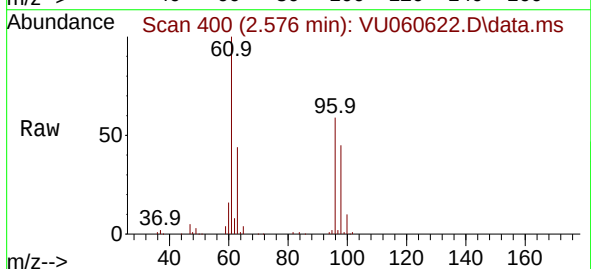
Tgt Ion: 96 Resp: 93691

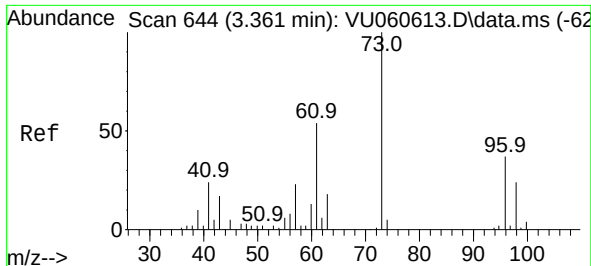
Ion Ratio Lower Upper

96 100

61 168.9 116.4 216.2

63 74.1 74.8 139.0#





#17

Methyl tert-butyl Ether

Concen: 1.359 ug/L

RT: 3.355 min Scan# 642

Delta R.T. -0.006 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

Instrument :

MSVOA_U

ClientSampleId :

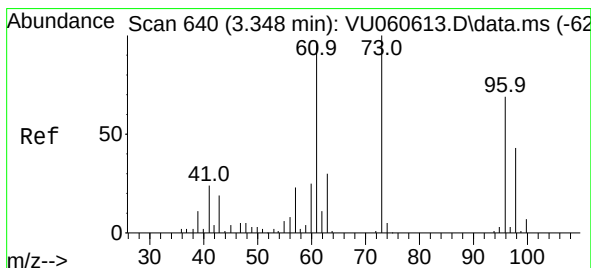
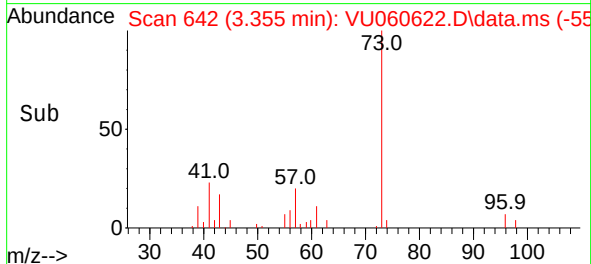
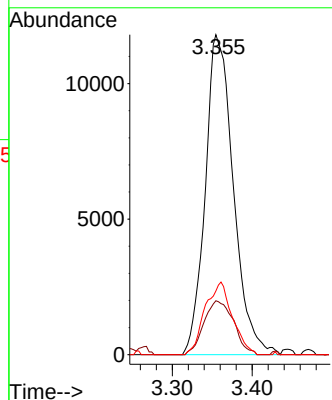
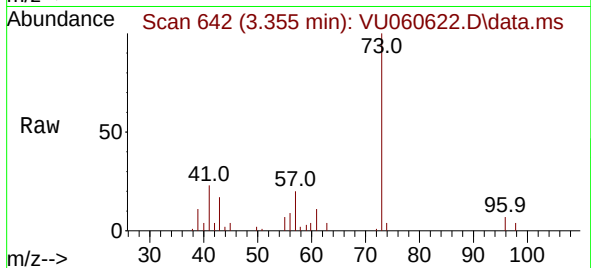
Tgt Ion: 73 Resp: 28857

Ion Ratio Lower Upper

73 100

43 17.8 15.8 23.6

57 22.1 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 0.214 ug/L

RT: 3.355 min Scan# 642

Delta R.T. 0.007 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

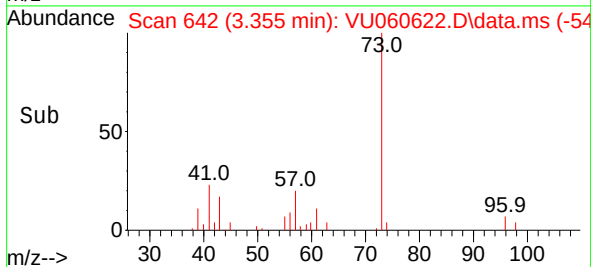
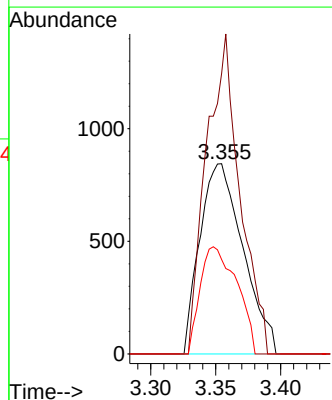
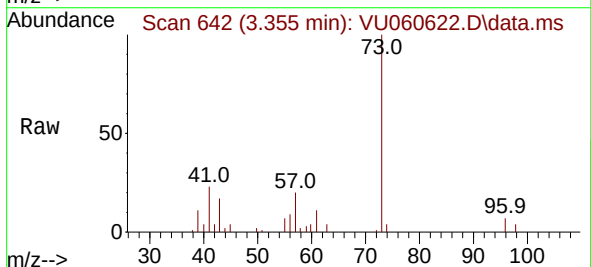
Tgt Ion: 96 Resp: 1953

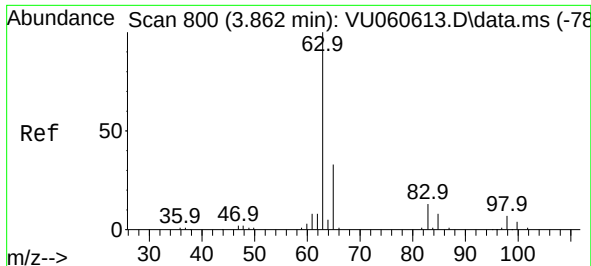
Ion Ratio Lower Upper

96 100

61 147.5 99.2 184.2

98 49.6 44.0 81.8





#19

1,1-Dichloroethane

Concen: 27.997 ug/L

RT: 3.859 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

Instrument :

MSVOA_U

ClientSampleId :

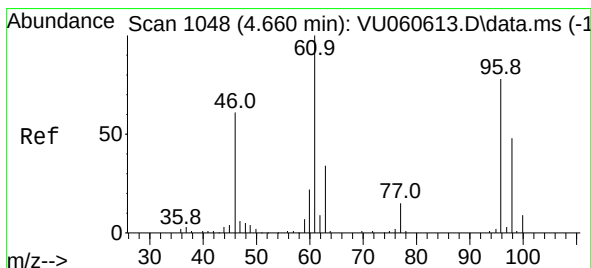
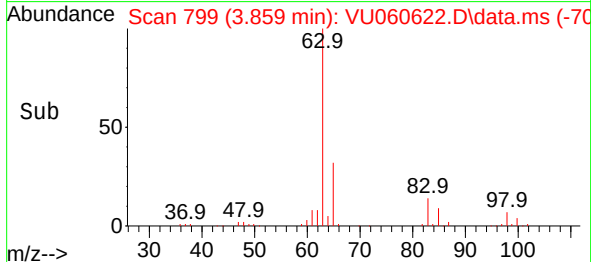
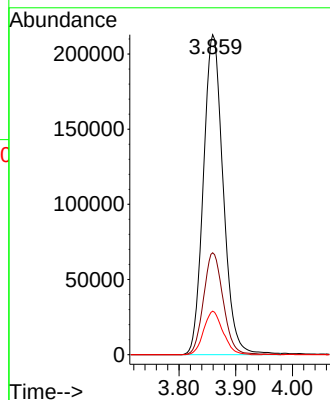
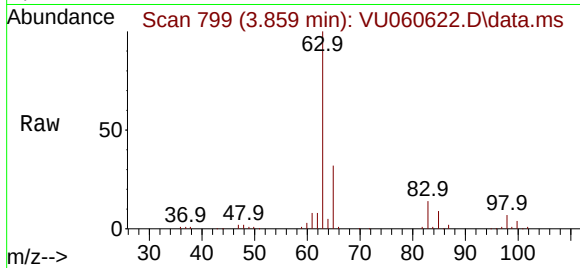
Tgt Ion: 63 Resp: 516856

Ion Ratio Lower Upper

63 100

65 31.9 20.5 38.1

83 13.6 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 12.670 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

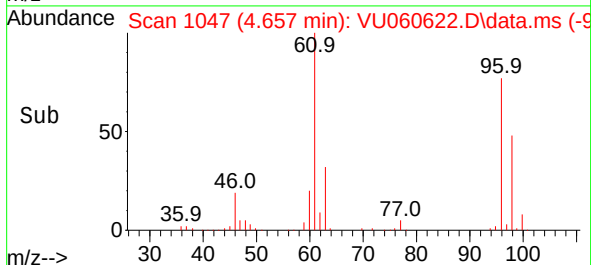
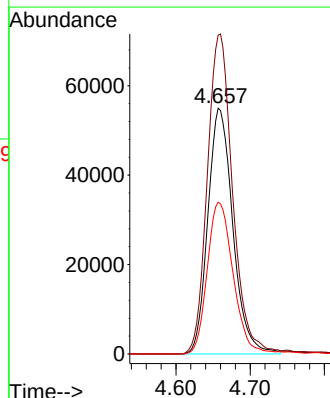
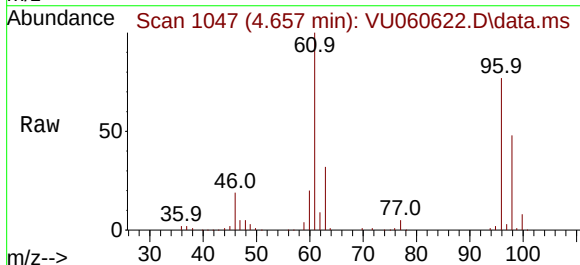
Tgt Ion: 96 Resp: 128619

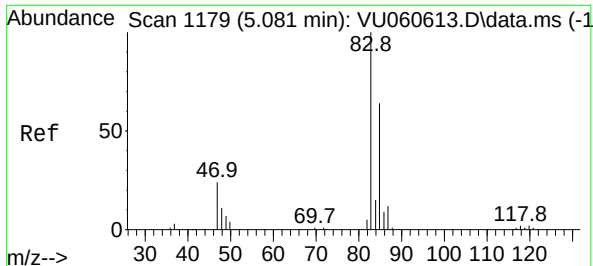
Ion Ratio Lower Upper

96 100

61 129.7 92.9 172.5

98 61.7 45.0 83.6





#25

Chloroform

Concen: 0.179 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

Instrument :

MSVOA_U

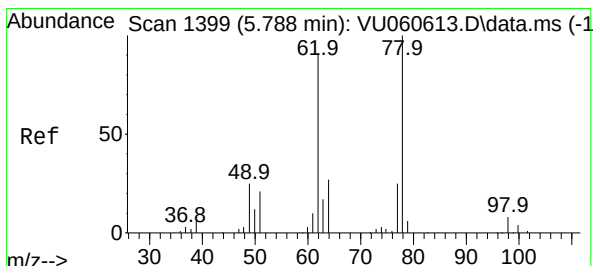
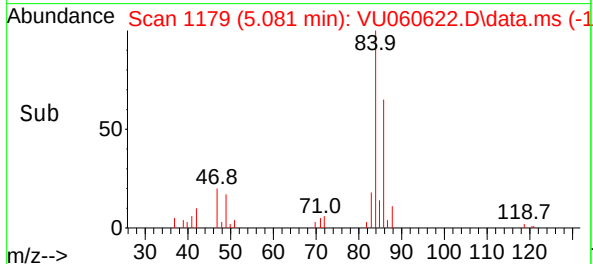
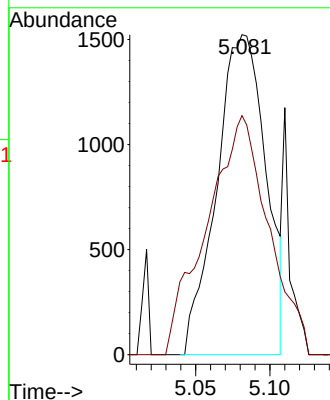
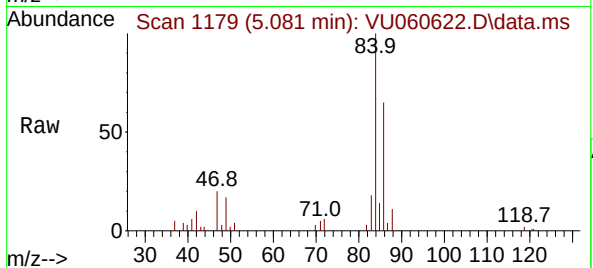
ClientSampleId :

Tgt Ion: 83 Resp: 3504

Ion Ratio Lower Upper

83 100

85 74.7 46.4 86.2



#27

1,2-Dichloroethane

Concen: 0.163 ug/L

RT: 5.801 min Scan# 1403

Delta R.T. 0.013 min

Lab File: VU060622.D

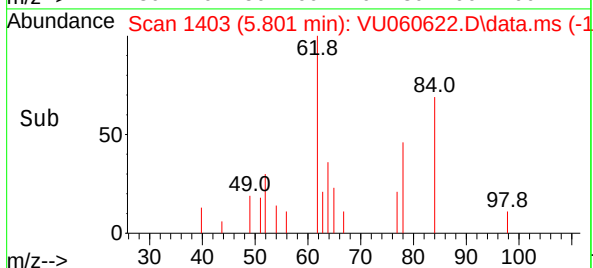
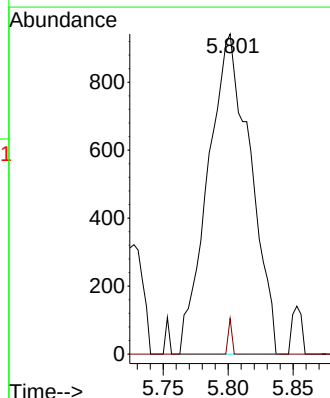
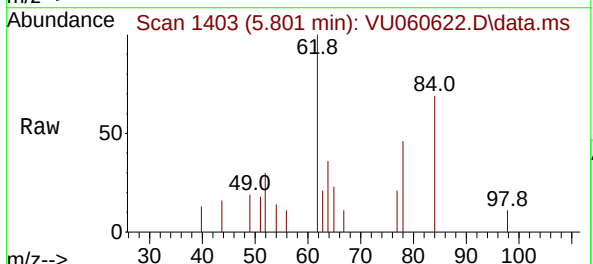
Acq: 05 Sep 2024 13:57

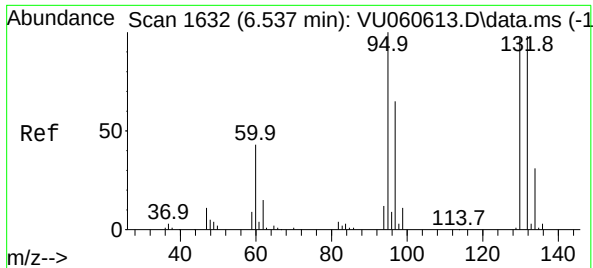
Tgt Ion: 62 Resp: 2136

Ion Ratio Lower Upper

62 100

98 11.1 7.0 10.4#

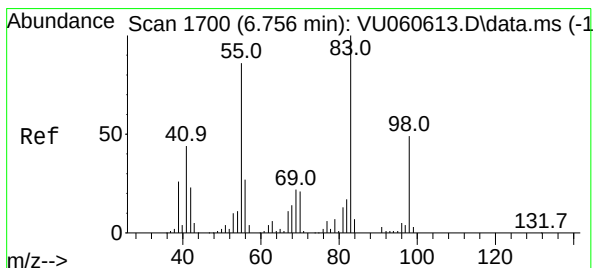
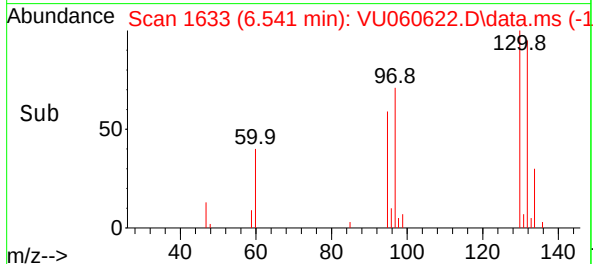
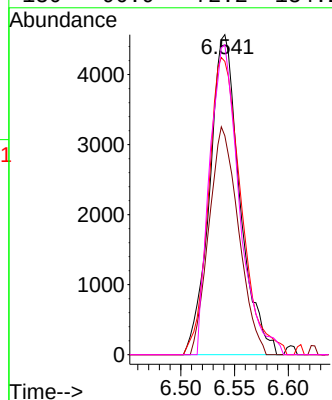
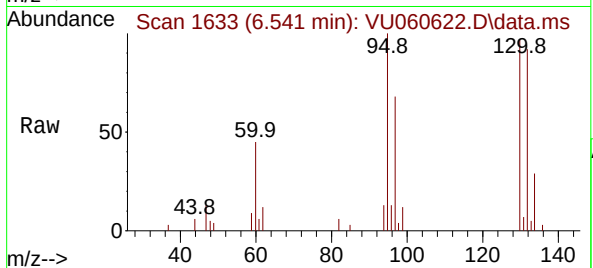




#34
Trichloroethene
Concen: 0.787 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU060622.D
Acq: 05 Sep 2024 13:57

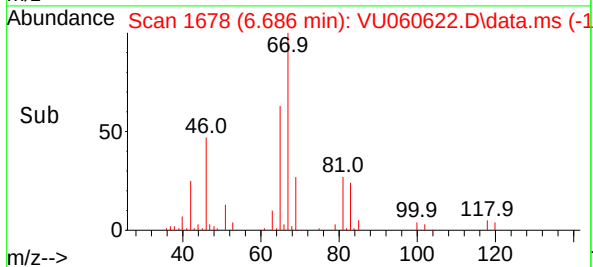
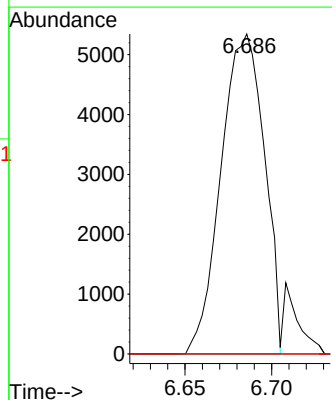
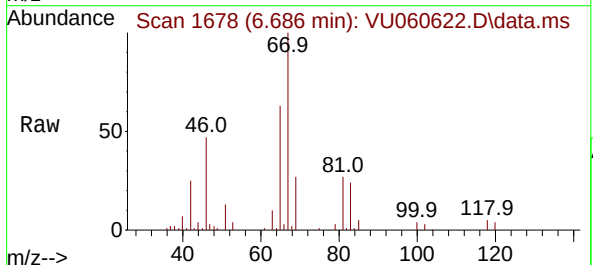
Instrument :
MSVOA_U
ClientSampleId :

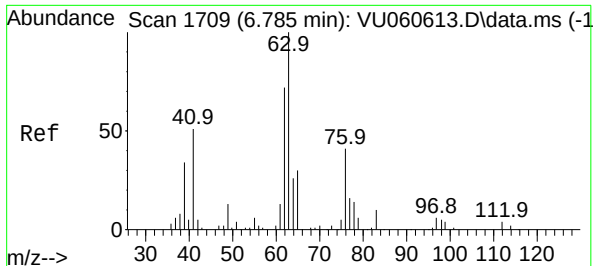
Tgt Ion: 95 Resp: 8883
Ion Ratio Lower Upper
95 100
97 68.4 45.8 85.2
132 91.6 67.4 125.2
130 96.9 72.2 134.2



#35
Methylcyclohexane
Concen: 0.601 ug/L
RT: 6.686 min Scan# 1678
Delta R.T. -0.070 min
Lab File: VU060622.D
Acq: 05 Sep 2024 13:57

Tgt Ion: 83 Resp: 9305
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.8#
98 0.9 37.8 56.8#

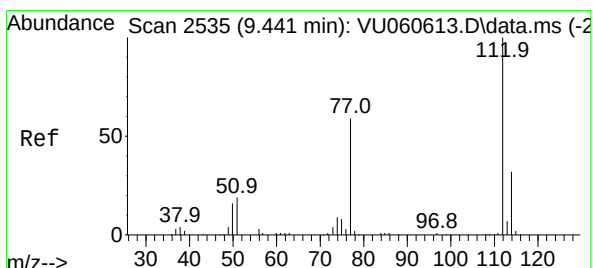
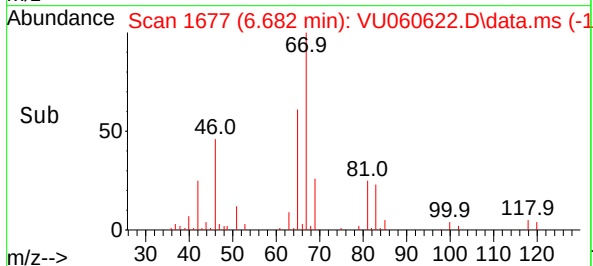
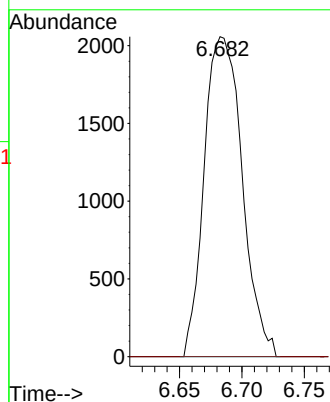
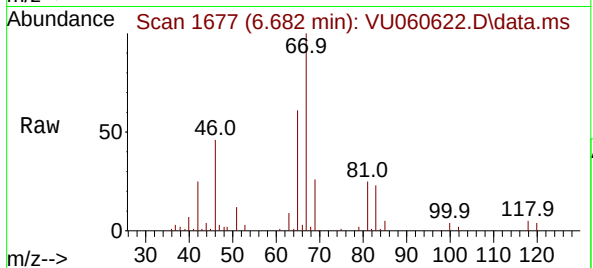




#37
1,2-Dichloropropane
Concen: 0.409 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU060622.D
Acq: 05 Sep 2024 13:57

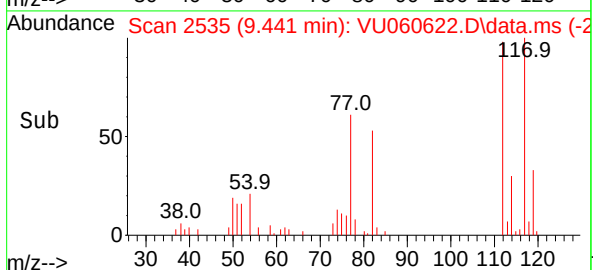
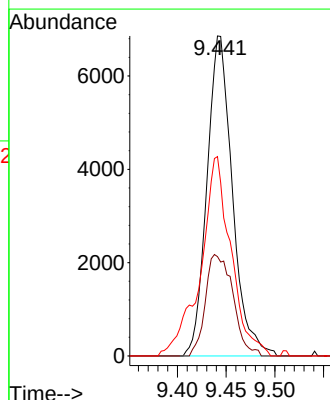
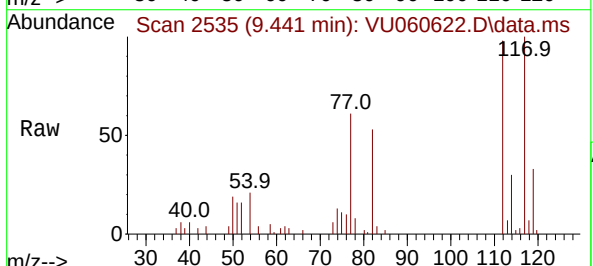
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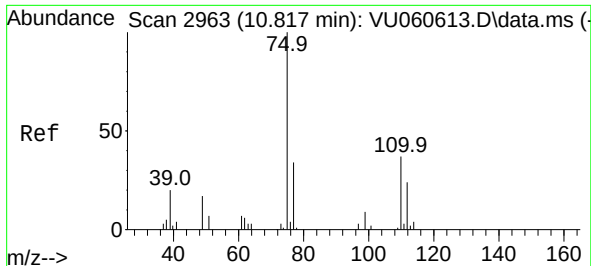
Tgt Ion: 63 Resp: 4365
Ion Ratio Lower Upper
63 100
112 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 0.438 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU060622.D
Acq: 05 Sep 2024 13:57

Tgt Ion: 112 Resp: 12471
Ion Ratio Lower Upper
112 100
114 31.1 21.9 40.7
77 62.3 47.4 71.2





#61

1,2,3-Trichloropropane

Concen: 1.257 ug/L

RT: 11.804 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

Instrument :

MSVOA_U

ClientSampleId :

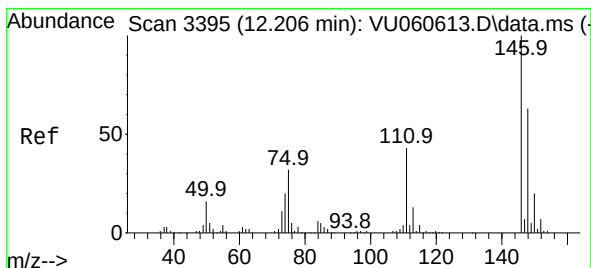
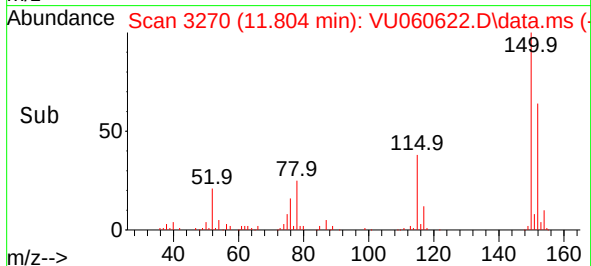
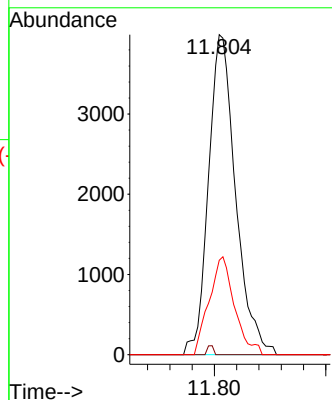
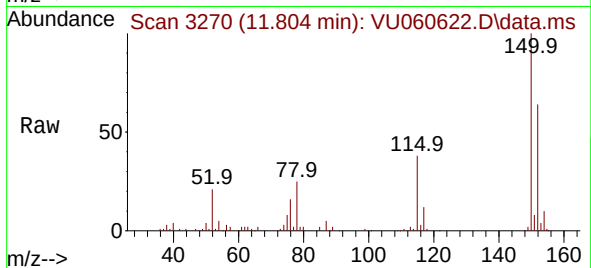
Tgt Ion: 75 Resp: 6743

Ion Ratio Lower Upper

75 100

110 0.6 30.2 45.4#

77 28.6 25.4 38.2



#67

1,2-Dichlorobenzene

Concen: 0.465 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU060622.D

Acq: 05 Sep 2024 13:57

Tgt Ion:146 Resp: 7926

Ion Ratio Lower Upper

146 100

111 46.0 34.6 52.0

148 66.7 51.4 77.2

