

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091024\
 Data File : VU060669.D
 Acq On : 10 Sep 2024 16:15
 Operator : MD/SY
 Sample : P3918-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 11 02:48:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 11 02:46:13 2024
 Response via : Initial Calibration

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

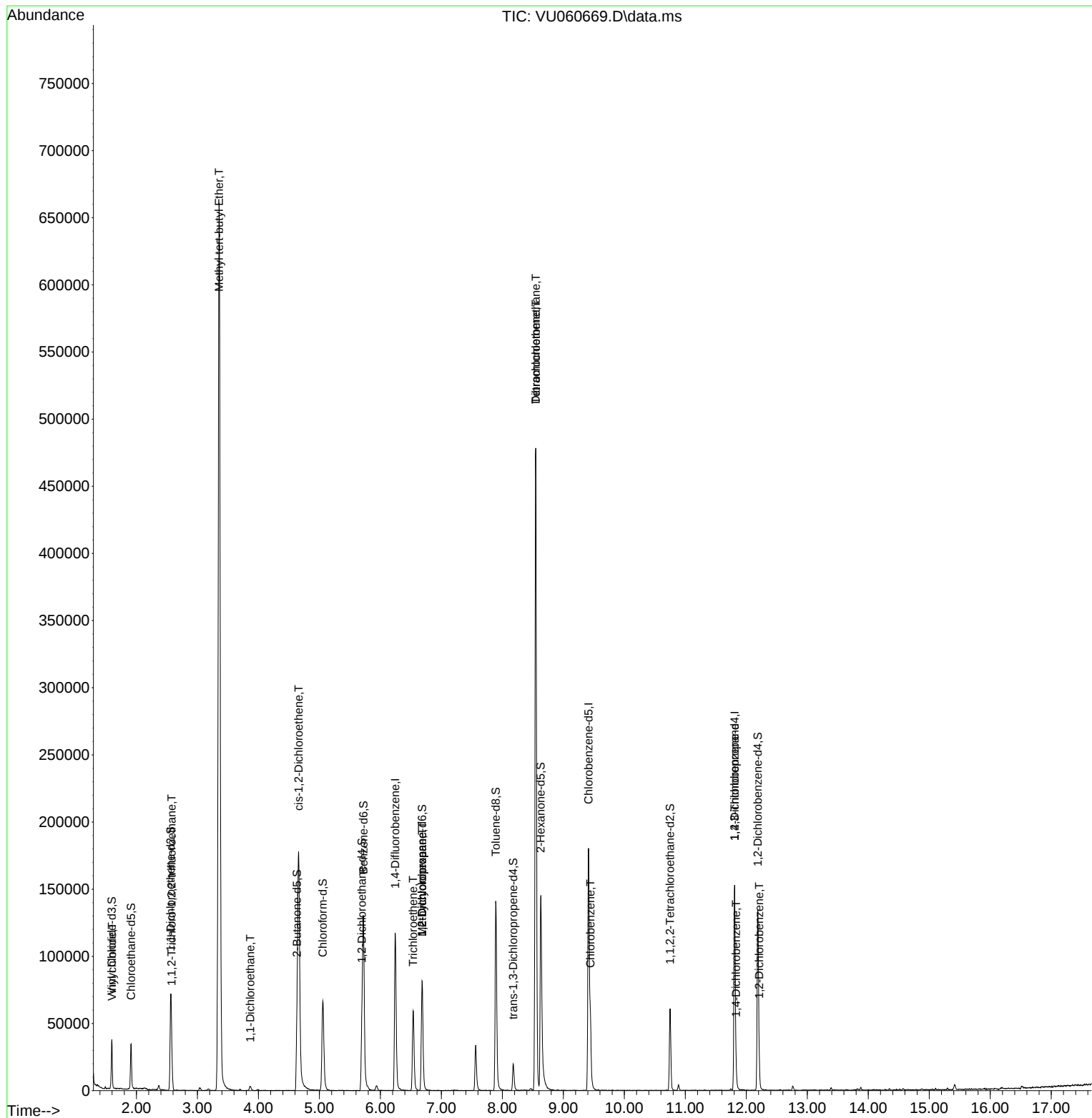
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	96937	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	105373	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	43830	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	24574	5.740	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.800%
7) Chloroethane-d5	1.911	69	24526	3.781	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.560	65	11935	4.730	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.631	46	70730	48.040	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.080%
24) Chloroform-d	5.055	84	65901	5.399	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.000%
26) 1,2-Dichloroethane-d4	5.695	65	35807	5.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.400%
32) Benzene-d6	5.721	84	121428	5.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.400%
36) 1,2-Dichloropropane-d6	6.682	67	39806	5.354	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.891	98	100131	4.632	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
43) trans-1,3-Dichloroprop...	8.177	79	12983	4.880	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.600%
46) 2-Hexanone-d5	8.627	63	51706	40.594	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.180%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	30792	4.655	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	38129	5.900	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.000%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	1565	0.167	ug/L #	77
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	8026	0.930	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	745856	46.258	ug/L	98
19) 1,1-Dichloroethane	3.866	63	3919	0.280	ug/L #	85
22) cis-1,2-Dichloroethene	4.660	96	85349	11.074	ug/L	99
34) Trichloroethene	6.538	95	21690	2.394	ug/L	97
35) Methylcyclohexane	6.682	83	9630	0.775	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	4410	0.515	ug/L #	91
47) Tetrachloroethene	8.547	164	108901	14.666	ug/L	99
49) Dibromochloromethane	8.547	129	105059	14.628	ug/L #	12
51) Chlorobenzene	9.444	112	28323	1.239	ug/L	99
61) 1,2,3-Trichloropropane	11.807	75	5661	1.339	ug/L #	67
65) 1,4-Dichlorobenzene	11.833	146	2501	0.172	ug/L	92
67) 1,2-Dichlorobenzene	12.209	146	4177	0.311	ug/L	98

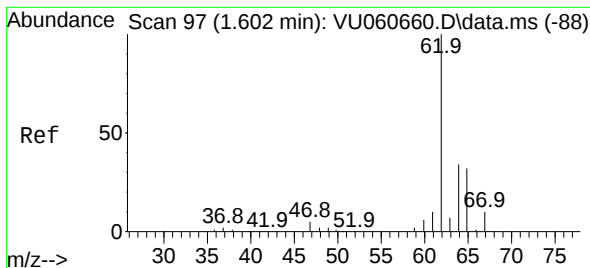
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 11 02:46:13 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.167 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

Instrument :

MSVOA_U

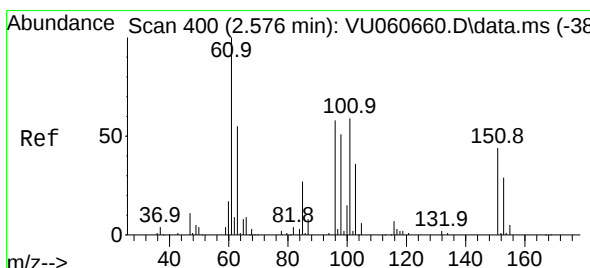
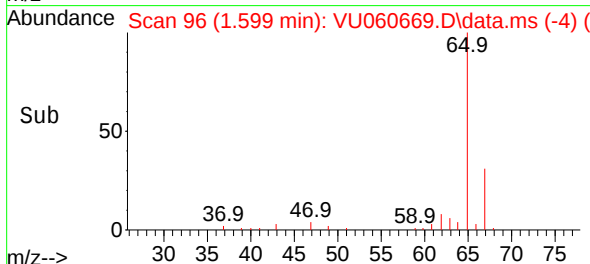
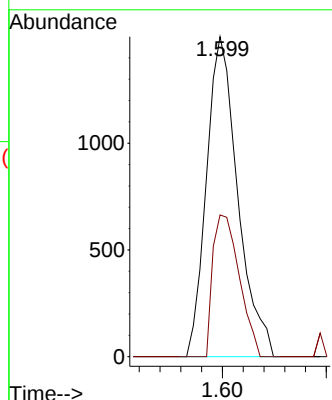
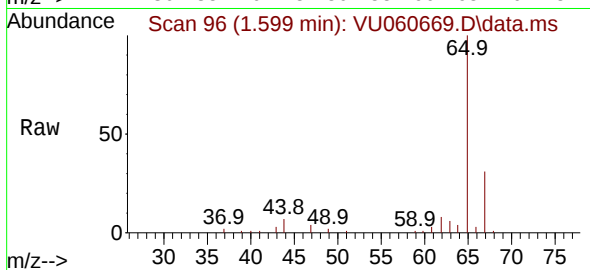
ClientSampleId :

Tgt Ion: 62 Resp: 1565

Ion Ratio Lower Upper

62 100

64 44.3 22.0 40.8#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.930 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

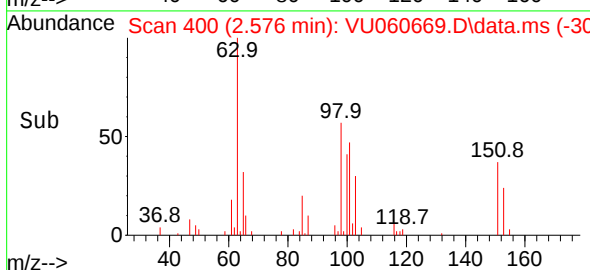
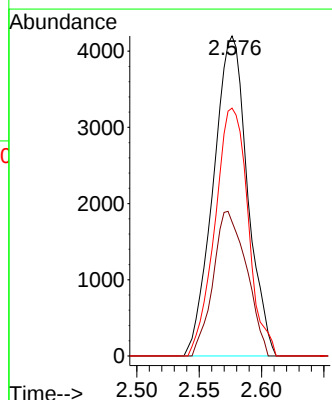
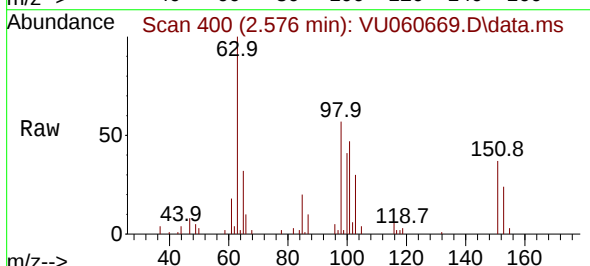
Tgt Ion:101 Resp: 8026

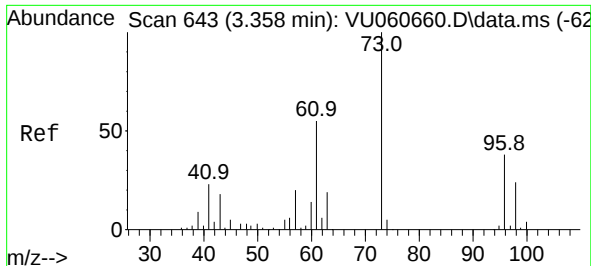
Ion Ratio Lower Upper

101 100

85 44.0 35.8 53.6

151 75.2 61.7 92.5





#17

Methyl tert-butyl Ether

Concen: 46.258 ug/L

RT: 3.354 min Scan# 643

Delta R.T. -0.003 min

Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

Instrument :

MSVOA_U

ClientSampleId :

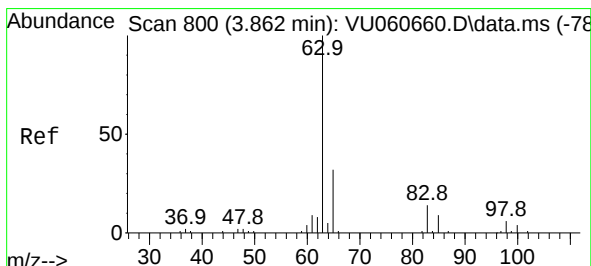
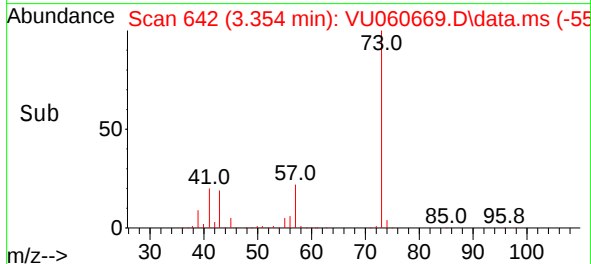
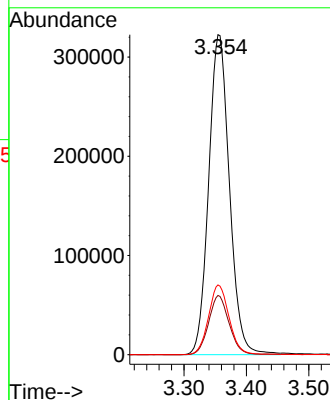
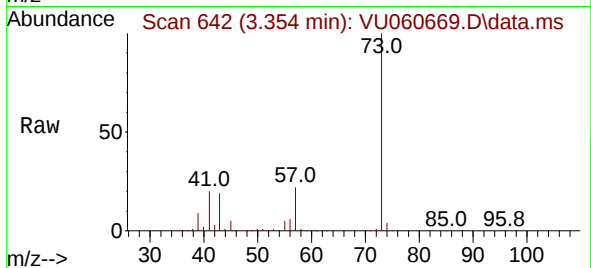
Tgt Ion: 73 Resp: 745856

Ion Ratio Lower Upper

73 100

43 18.2 15.8 23.6

57 21.7 16.8 25.2



#19

1,1-Dichloroethane

Concen: 0.280 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

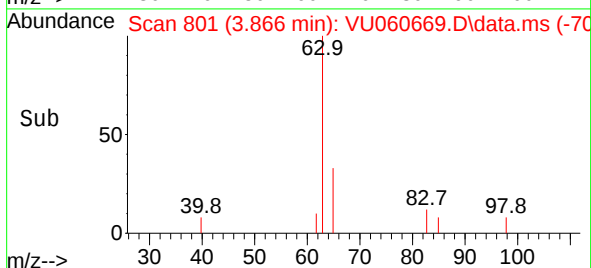
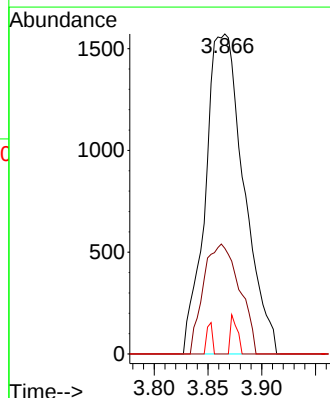
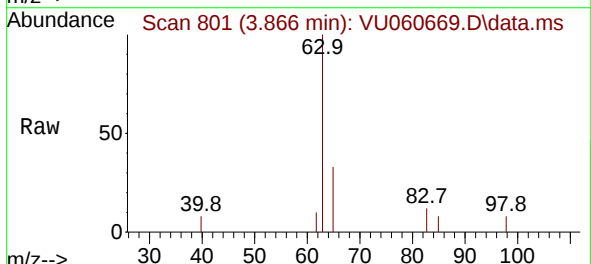
Tgt Ion: 63 Resp: 3919

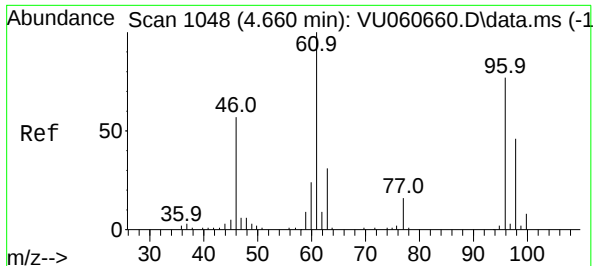
Ion Ratio Lower Upper

63 100

65 33.0 20.5 38.1

83 0.0 9.2 17.2#

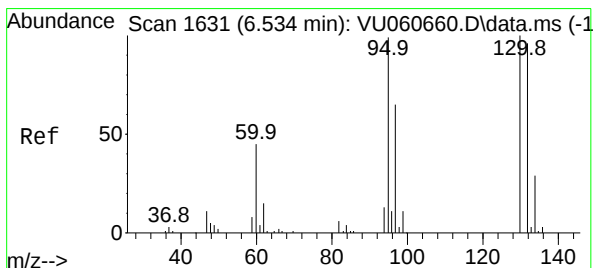
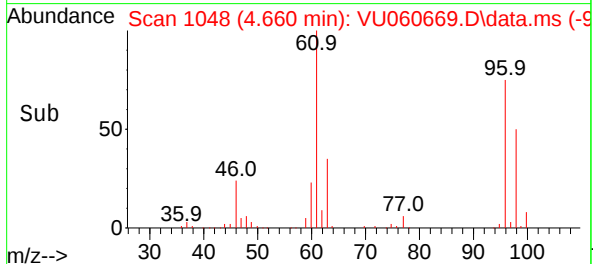
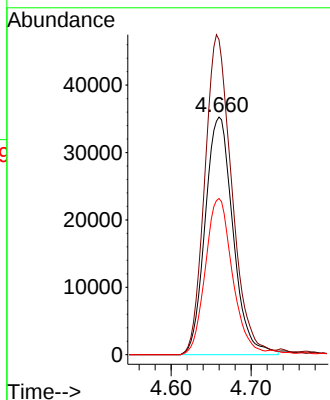
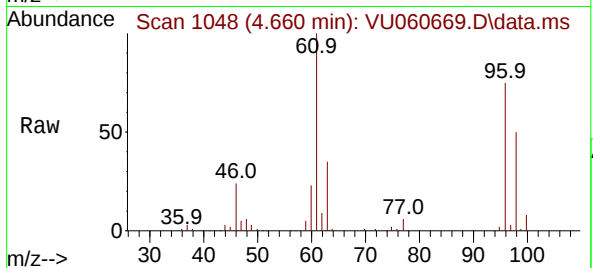




#22
cis-1,2-Dichloroethene
Concen: 11.074 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU060669.D
Acq: 10 Sep 2024 16:15

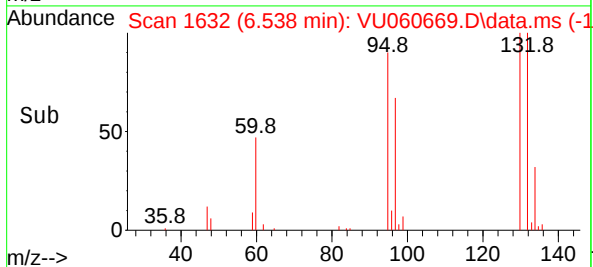
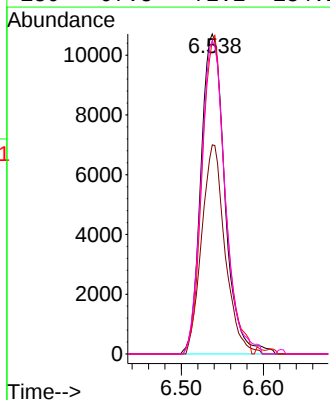
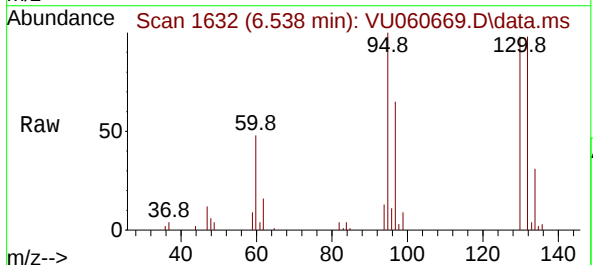
Instrument :
MSVOA_U
ClientSampleId :

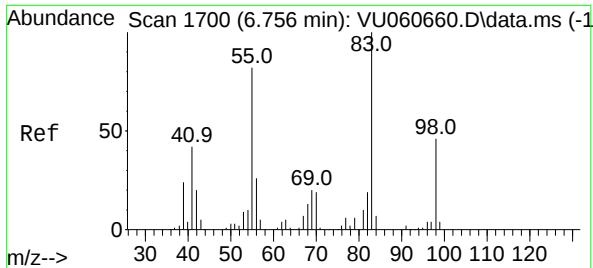
Tgt Ion: 96 Resp: 85349
Ion Ratio Lower Upper
96 100
61 132.6 92.9 172.5
98 65.7 45.0 83.6



#34
Trichloroethene
Concen: 2.394 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU060669.D
Acq: 10 Sep 2024 16:15

Tgt Ion: 95 Resp: 21690
Ion Ratio Lower Upper
95 100
97 65.4 45.8 85.2
132 97.8 67.4 125.2
130 97.8 72.2 134.2





#35

Methylcyclohexane

Concen: 0.775 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU060669.D

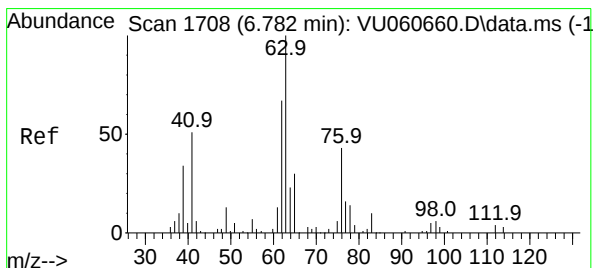
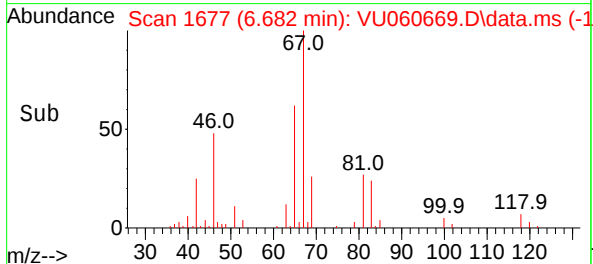
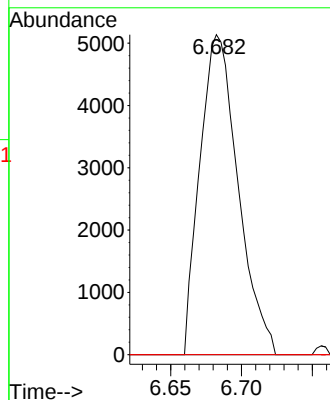
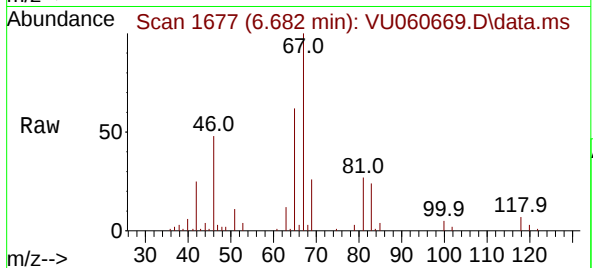
Acq: 10 Sep 2024 16:15

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 9630
Ion Ratio	Lower Upper
83	100
55	0.0 65.8 98.8#
98	6.3 37.8 56.8#



#37

1,2-Dichloropropane

Concen: 0.515 ug/L

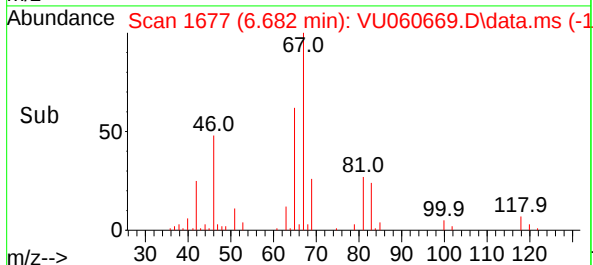
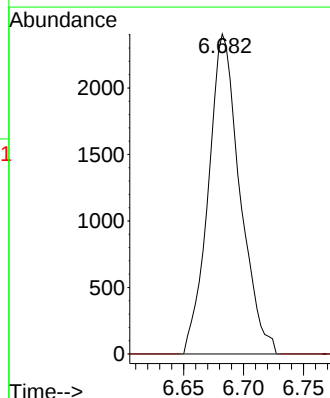
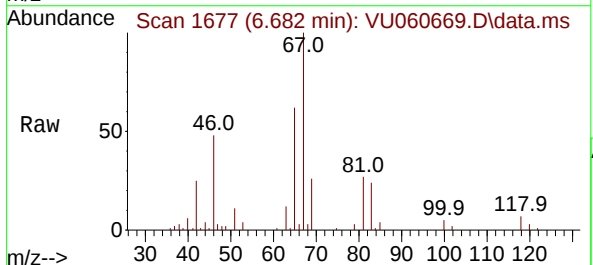
RT: 6.682 min Scan# 1677

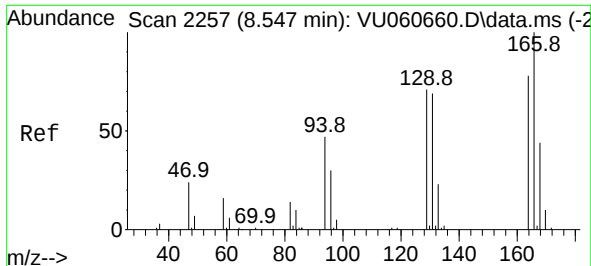
Delta R.T. -0.100 min

Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

Tgt Ion: 63	Resp: 4410
Ion Ratio	Lower Upper
63	100
112	0.0 2.3 3.5#





#47

Tetrachloroethene

Concen: 14.666 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

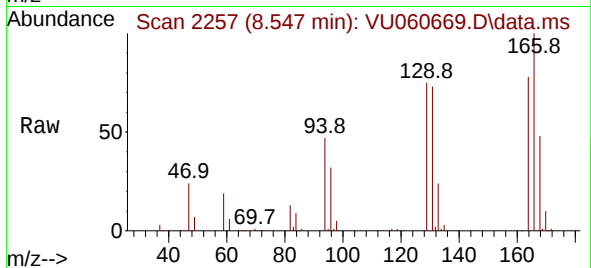
Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 108901

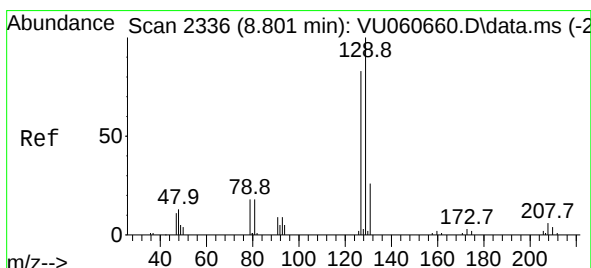
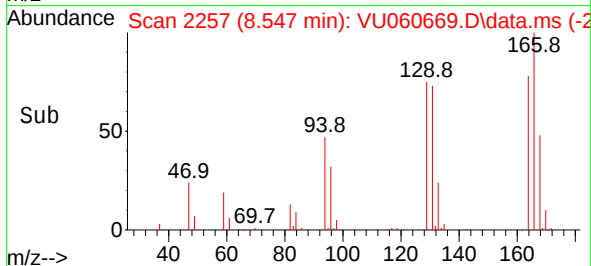
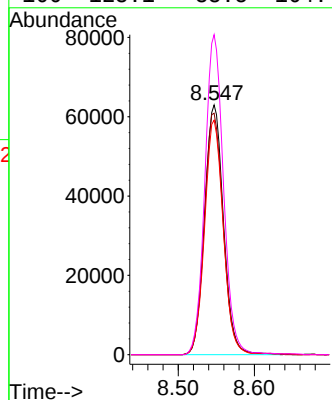
Ion Ratio Lower Upper

164 100

129 96.7 67.8 125.8

131 93.9 67.2 124.8

166 128.1 88.5 164.4



#49

Dibromochloromethane

Concen: 14.628 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU060669.D

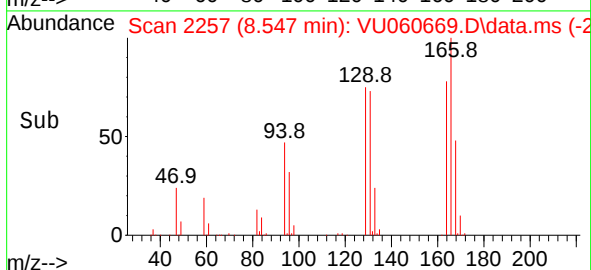
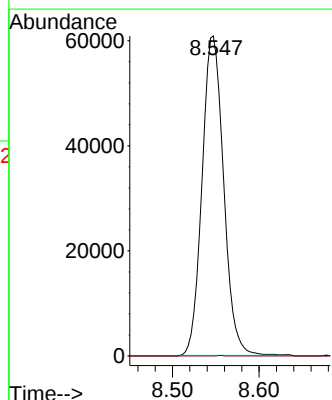
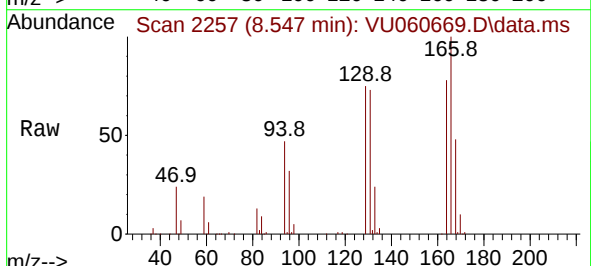
Acq: 10 Sep 2024 16:15

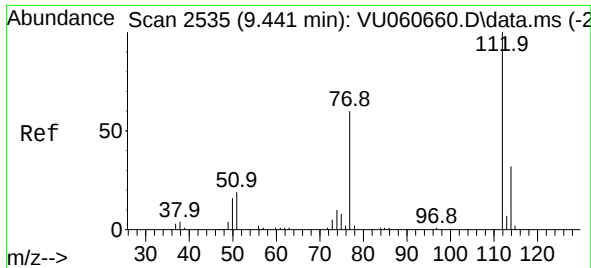
Tgt Ion:129 Resp: 105059

Ion Ratio Lower Upper

129 100

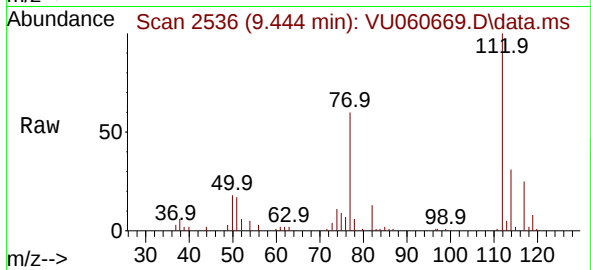
127 0.0 53.0 98.4#



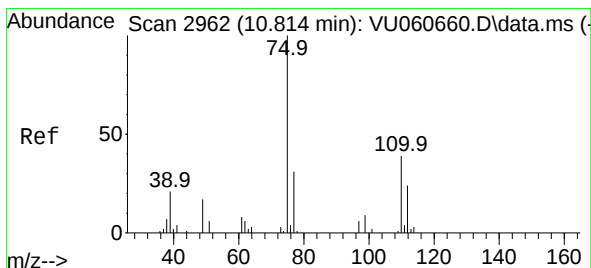
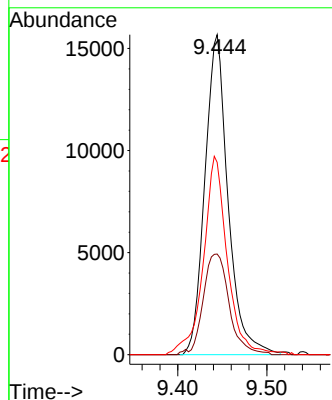
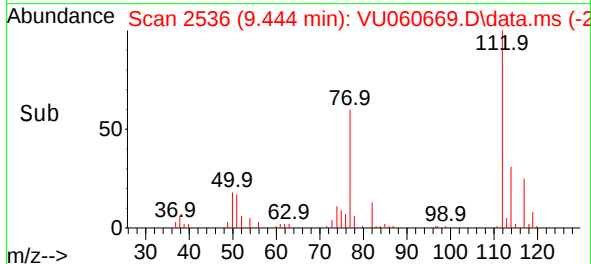


#51
Chlorobenzene
Concen: 1.239 ug/L
RT: 9.444 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU060669.D
Acq: 10 Sep 2024 16:15

Instrument :
MSVOA_U
ClientSampleId :

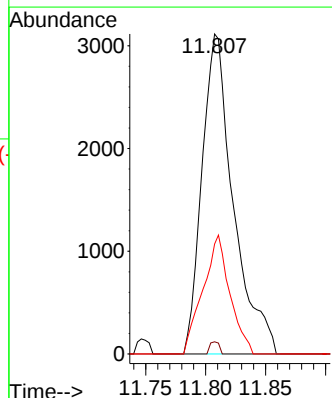
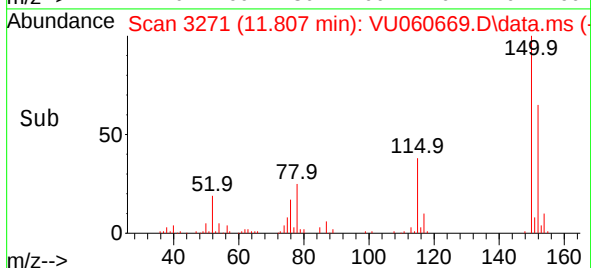
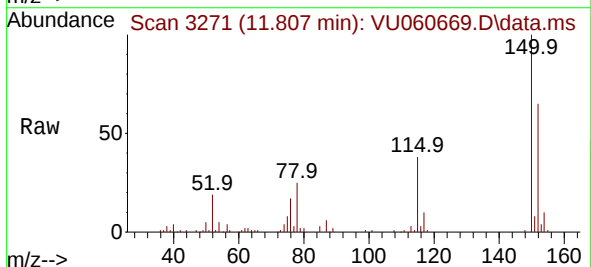


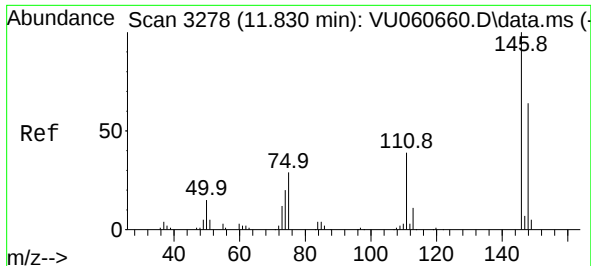
Tgt Ion:112 Resp: 28323
Ion Ratio Lower Upper
112 100
114 31.5 21.9 40.7
77 60.1 47.4 71.2



#61
1,2,3-Trichloropropane
Concen: 1.339 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.994 min
Lab File: VU060669.D
Acq: 10 Sep 2024 16:15

Tgt Ion: 75 Resp: 5661
Ion Ratio Lower Upper
75 100
110 1.1 30.2 45.4#
77 31.9 25.4 38.2





#65

1,4-Dichlorobenzene

Concen: 0.172 ug/L

RT: 11.833 min Scan# 3278

Delta R.T. 0.003 min

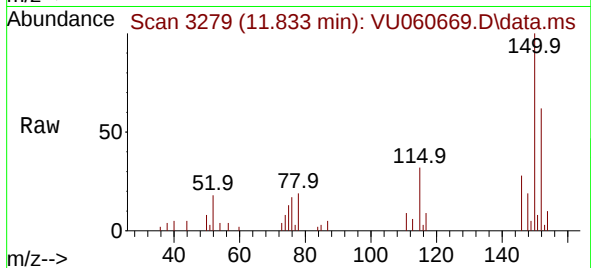
Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

Instrument :

MSVOA_U

ClientSampleId :



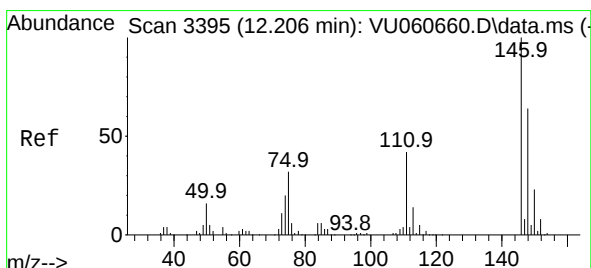
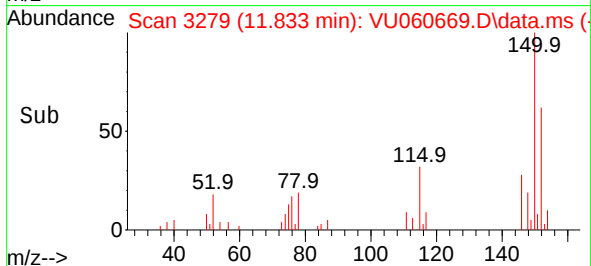
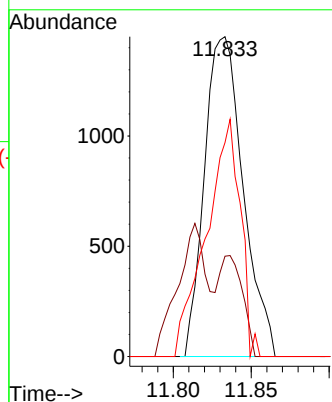
Tgt Ion:146 Resp: 2501

Ion Ratio Lower Upper

146 100

111 31.4 27.2 50.4

148 66.9 43.6 81.0



#67

1,2-Dichlorobenzene

Concen: 0.311 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU060669.D

Acq: 10 Sep 2024 16:15

Tgt Ion:146 Resp: 4177

Ion Ratio Lower Upper

146 100

111 45.3 34.6 52.0

148 63.7 51.4 77.2

