

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090524\
 Data File : VU060631.D
 Acq On : 05 Sep 2024 17:33
 Operator : MD/SY
 Sample : P3809-13 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 02:07:51 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	130283	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	136787	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70380	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	29873	5.191	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.800%
7) Chloroethane-d5	1.911	69	30409	3.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.800%
11) 1,1-Dichloroethene-d2	2.560	65	14441	4.258	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.200%
20) 2-Butanone-d5	4.637	46	83607	42.252	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.500%
24) Chloroform-d	5.055	84	69068	4.210	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.698	65	37003	4.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
32) Benzene-d6	5.721	84	129891	4.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.682	67	44945	4.657	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.891	98	107928	3.846	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	8.177	79	12471	3.611	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.200%
46) 2-Hexanone-d5	8.631	63	57101	34.534	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.060%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	34895	4.063	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	46592	4.490	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	2760	0.219	ug/L #	82
13) Acetone	2.653	43	64674	39.059	ug/L	99
21) 2-Butanone	4.730	43	15560	6.872	ug/L	96
22) cis-1,2-Dichloroethene	4.666	96	5005	0.483	ug/L	92
35) Methylcyclohexane	6.682	83	9864	0.611	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	4501	0.405	ug/L #	91
40) 4-Methyl-2-pentanone	7.791	43	10278	1.775	ug/L #	88
42) Toluene	7.965	91	60244	1.314	ug/L	93
52) Ethylbenzene	9.566	91	45559	0.938	ug/L	95
53) m,p-Xylene	9.685	106	70496	3.903	ug/L	100
54) o-Xylene	10.094	106	42806	2.315	ug/L	98
55) Styrene	10.094	104	3221	0.106	ug/L #	1
60) Isopropylbenzene	11.286	105	14082	0.299	ug/L	93
61) 1,2,3-Trichloropropane	10.094	75	941	0.139	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.084	105	11734	0.335	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	46932	1.313	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	6861	0.294	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	42612	1.974	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.016	75	260	0.170	ug/L #	8

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Quant Time: Sep 06 02:07:51 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

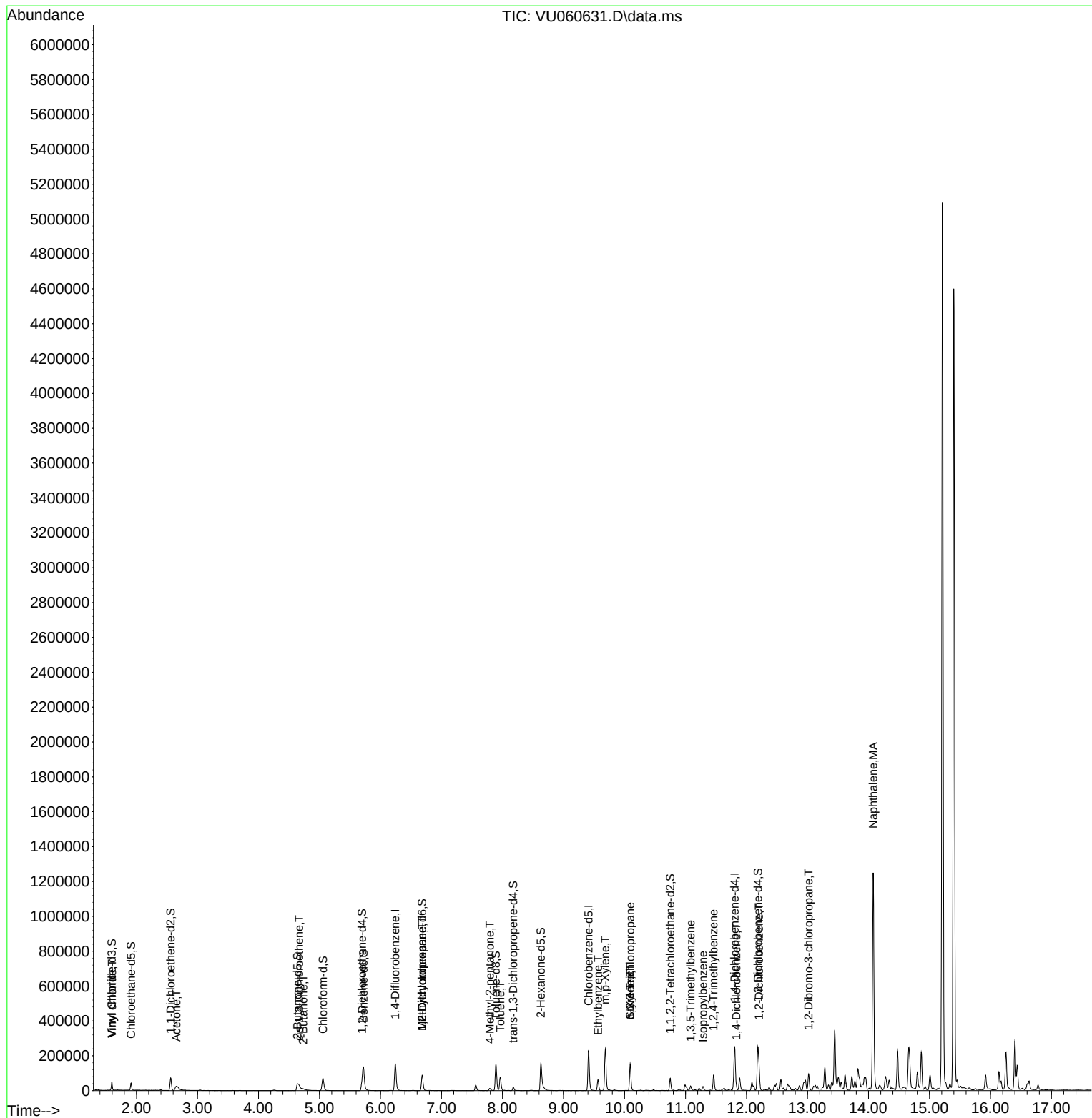
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.077	128	968172	52.937	ug/L	98

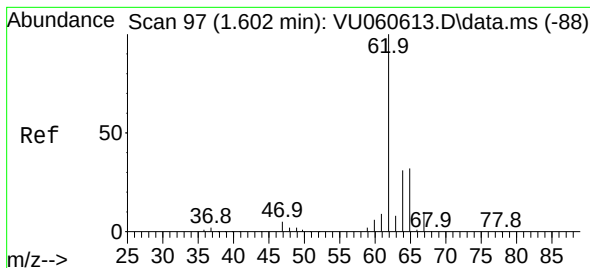
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.219 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

Instrument :

MSVOA_U

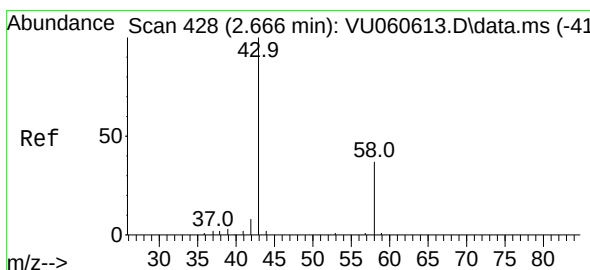
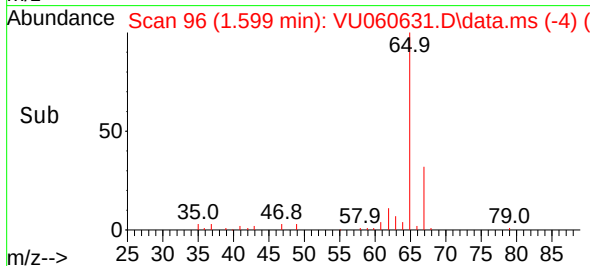
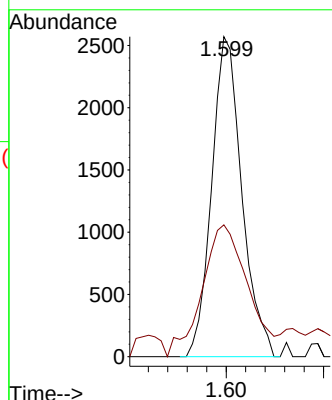
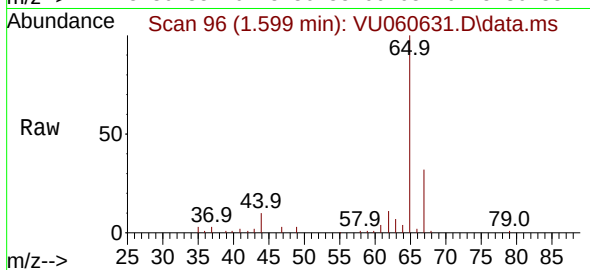
ClientSampleId :

Tgt Ion: 62 Resp: 2760

Ion Ratio Lower Upper

62 100

64 41.2 22.0 40.8#



#13

Acetone

Concen: 39.059 ug/L

RT: 2.653 min Scan# 424

Delta R.T. -0.013 min

Lab File: VU060631.D

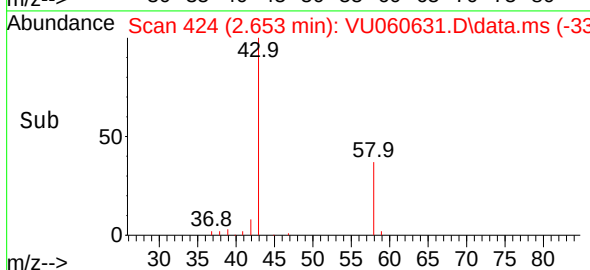
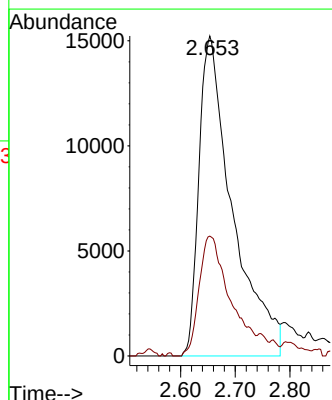
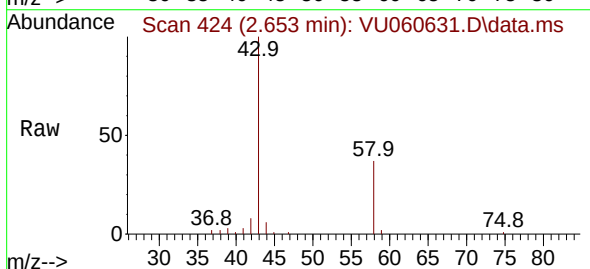
Acq: 05 Sep 2024 17:33

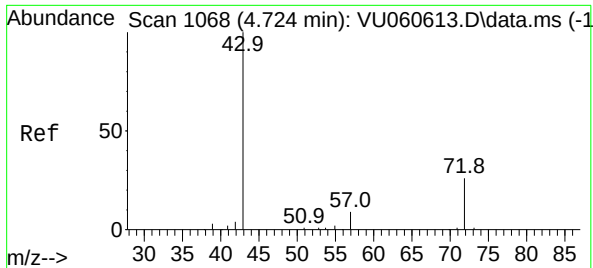
Tgt Ion: 43 Resp: 64674

Ion Ratio Lower Upper

43 100

58 34.2 0.0 66.8

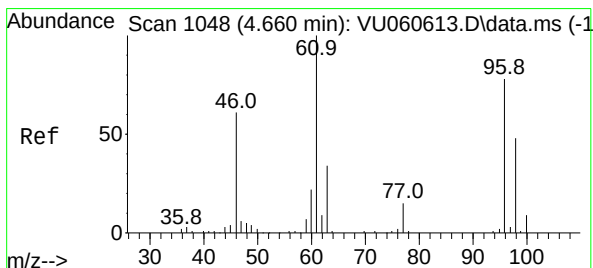
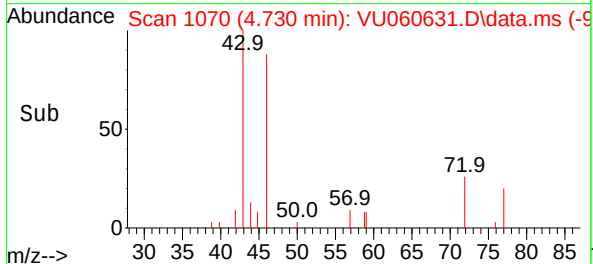
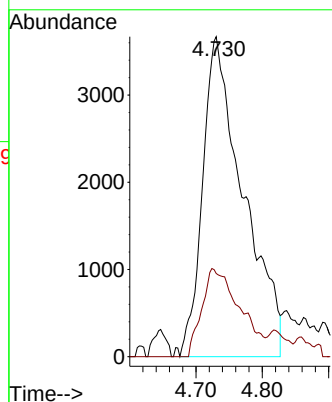
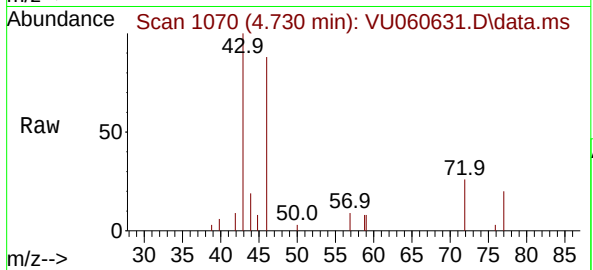




#21
2-Butanone
Concen: 6.872 ug/L
RT: 4.730 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

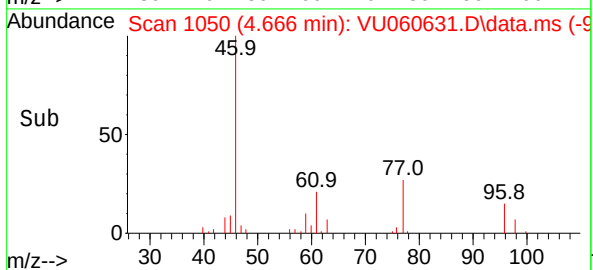
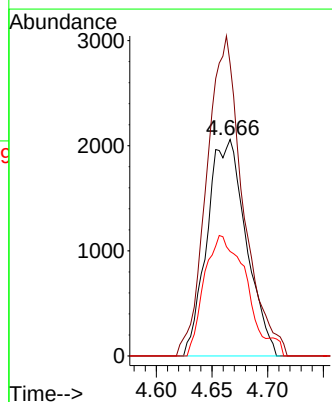
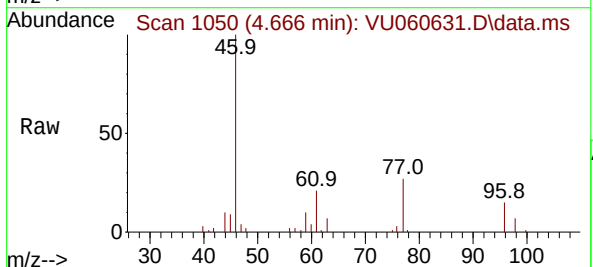
Instrument :
MSVOA_U
ClientSampleId :

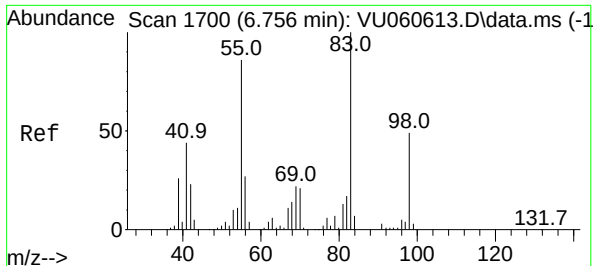
Tgt Ion: 43 Resp: 15560
Ion Ratio Lower Upper
43 100
72 25.9 14.0 42.0



#22
cis-1,2-Dichloroethene
Concen: 0.483 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

Tgt Ion: 96 Resp: 5005
Ion Ratio Lower Upper
96 100
61 135.0 92.9 172.5
98 48.3 45.0 83.6





#35

Methylcyclohexane

Concen: 0.611 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU060631.D

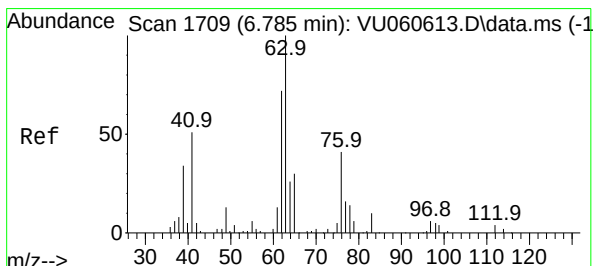
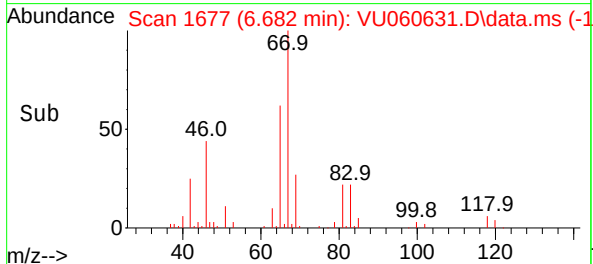
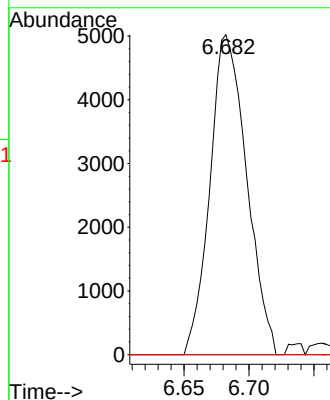
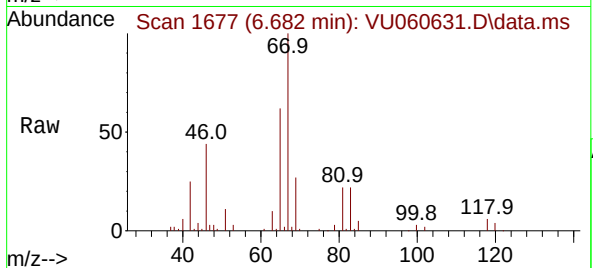
Acq: 05 Sep 2024 17:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	9864
Ion Ratio	Lower	Upper	
83	100		
55	0.0	65.8	98.8#
98	0.0	37.8	56.8#



#37

1,2-Dichloropropane

Concen: 0.405 ug/L

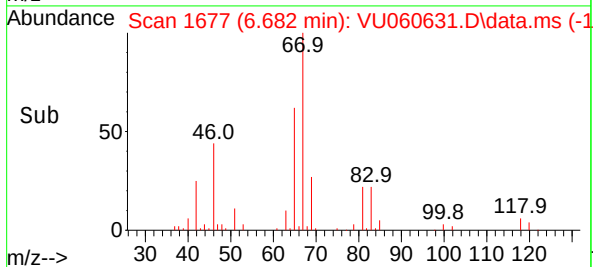
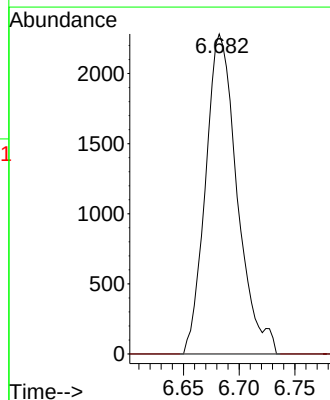
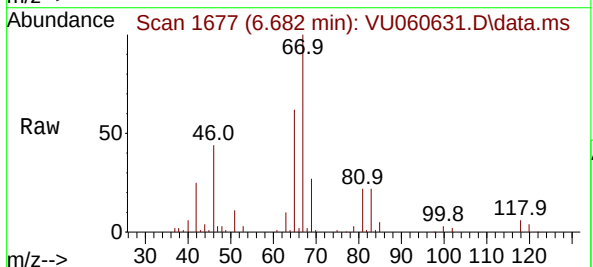
RT: 6.682 min Scan# 1677

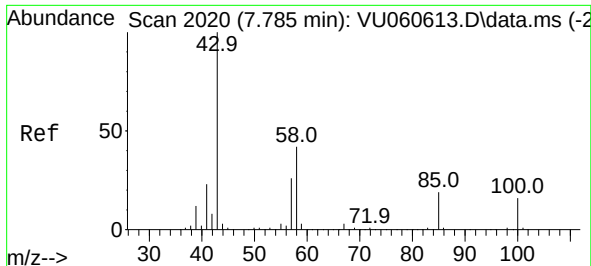
Delta R.T. -0.103 min

Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

Tgt Ion:	63	Resp:	4501
Ion Ratio	Lower	Upper	
63	100		
112	0.0	2.3	3.5#

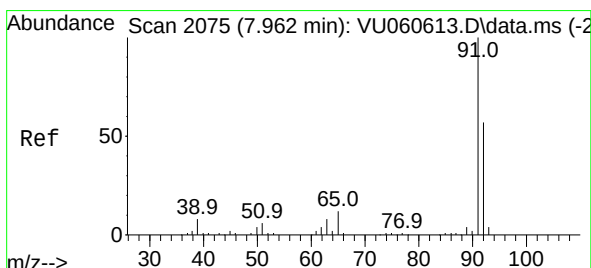
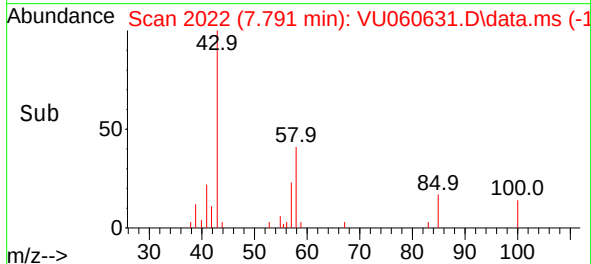
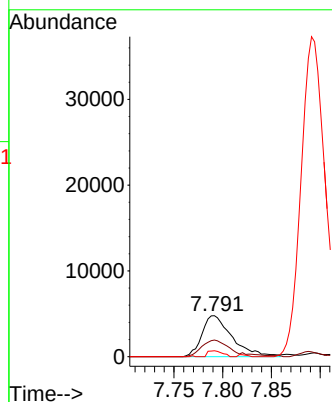
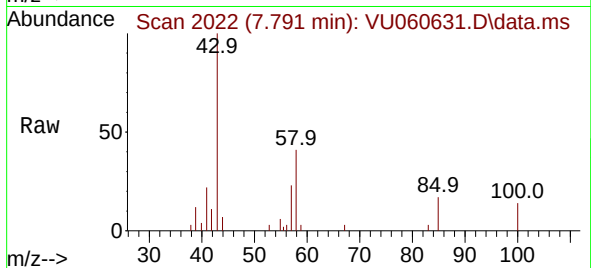




#40
4-Methyl-2-pentanone
Concen: 1.775 ug/L
RT: 7.791 min Scan# 2022
Delta R.T. 0.006 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

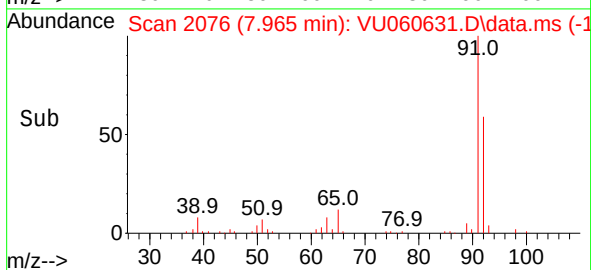
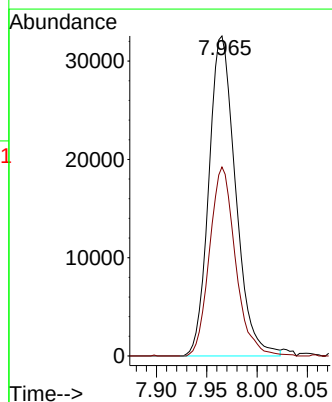
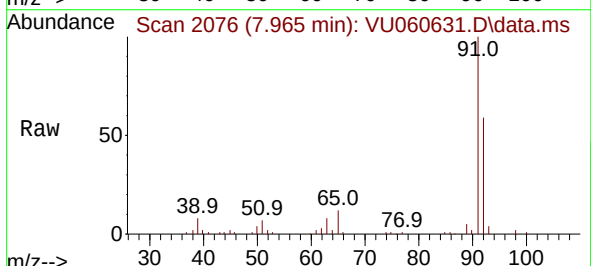
Instrument :
MSVOA_U
ClientSampleId :

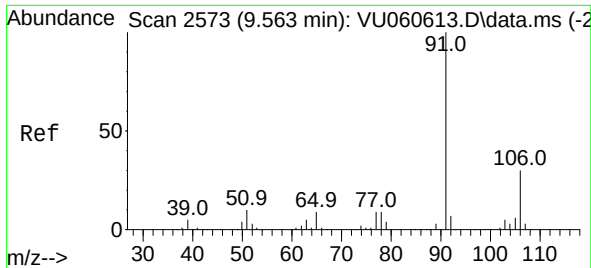
Tgt Ion: 43 Resp: 10278
Ion Ratio Lower Upper
43 100
58 39.1 32.5 48.7
100 0.0 12.5 18.7#



#42
Toluene
Concen: 1.314 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

Tgt Ion: 91 Resp: 60244
Ion Ratio Lower Upper
91 100
92 59.1 38.0 70.6





#52

Ethylbenzene

Concen: 0.938 ug/L

RT: 9.566 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

Instrument :

MSVOA_U

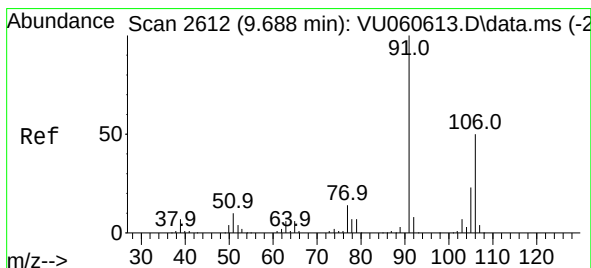
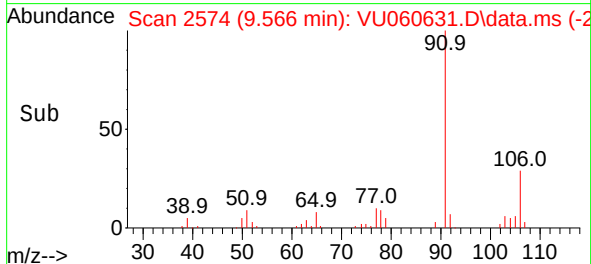
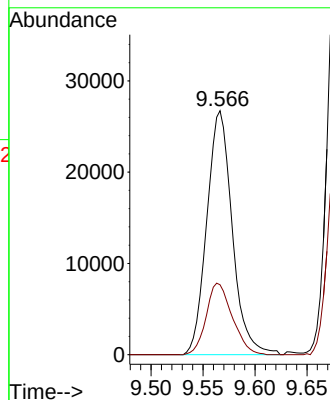
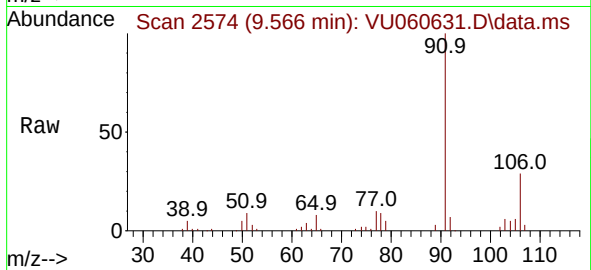
ClientSampleId :

Tgt Ion: 91 Resp: 45559

Ion Ratio Lower Upper

91 100

106 28.7 21.9 40.7



#53

m,p-Xylene

Concen: 3.903 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. -0.003 min

Lab File: VU060631.D

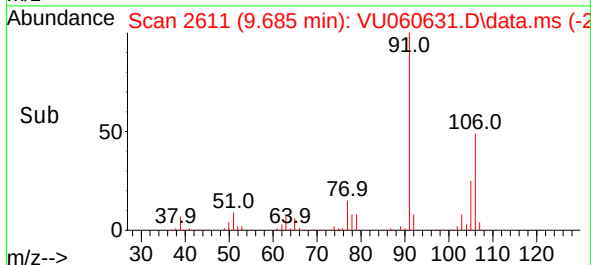
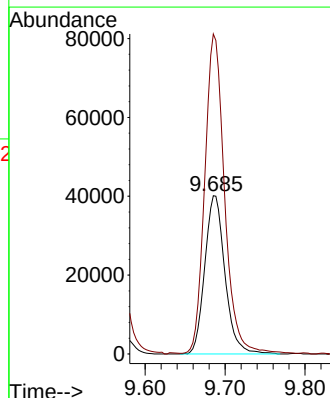
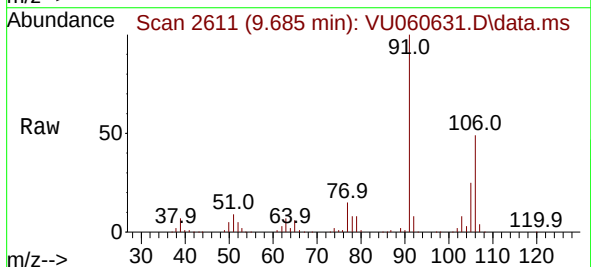
Acq: 05 Sep 2024 17:33

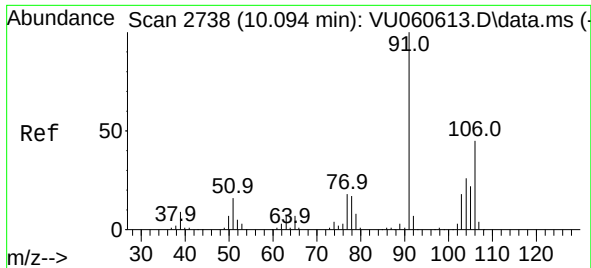
Tgt Ion:106 Resp: 70496

Ion Ratio Lower Upper

106 100

91 202.2 141.5 262.9

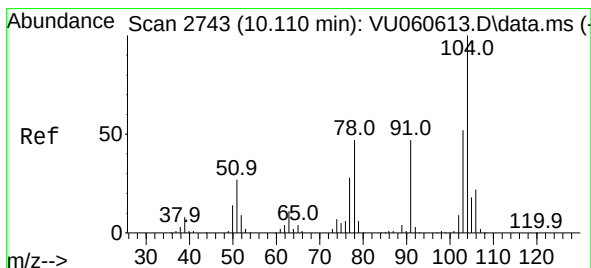
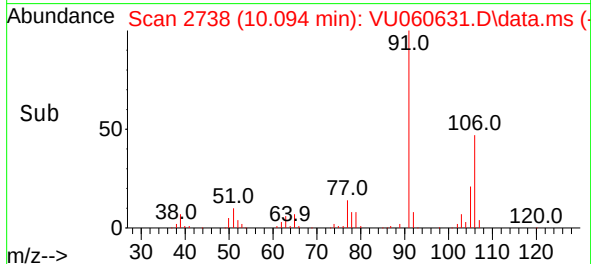
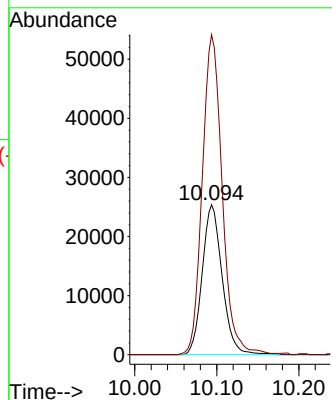
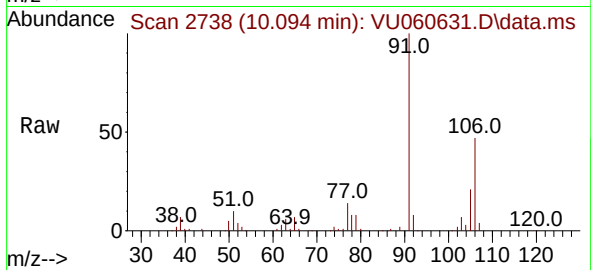




#54
o-Xylene
Concen: 2.315 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

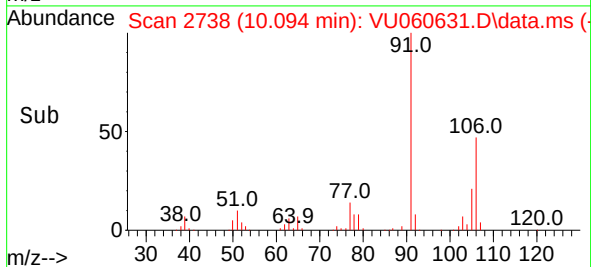
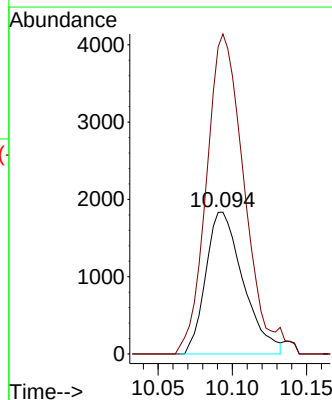
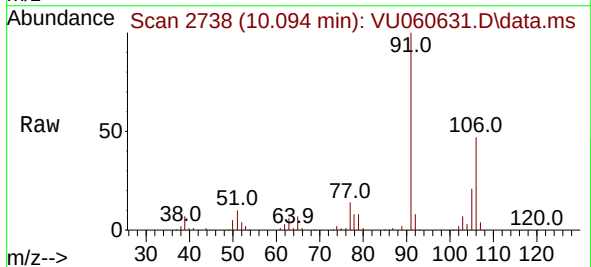
Instrument :
MSVOA_U
ClientSampleId :

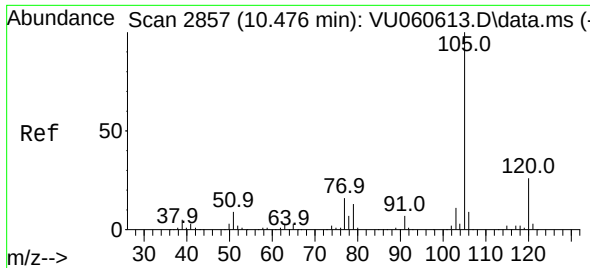
Tgt Ion:106 Resp: 42806
Ion Ratio Lower Upper
106 100
91 213.3 151.1 280.7



#55
Styrene
Concen: 0.106 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.016 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

Tgt Ion:104 Resp: 3221
Ion Ratio Lower Upper
104 100
78 225.7 33.3 61.9#

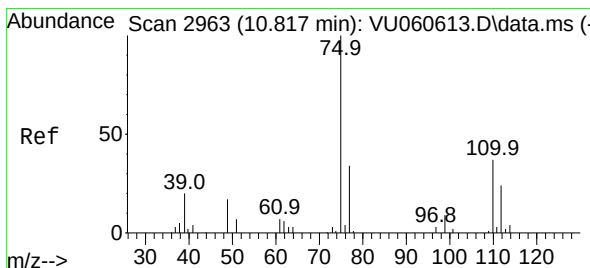
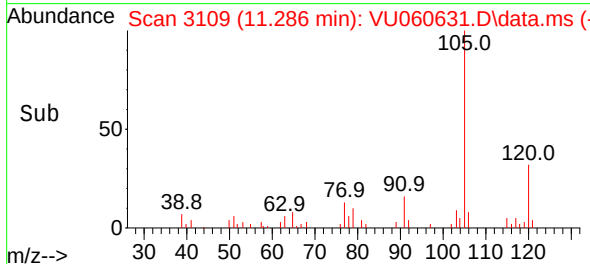
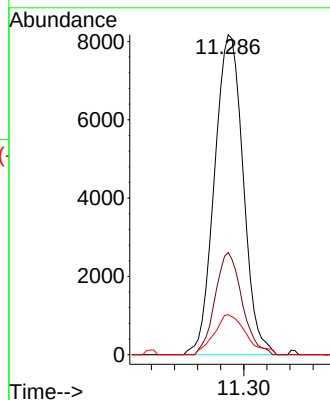
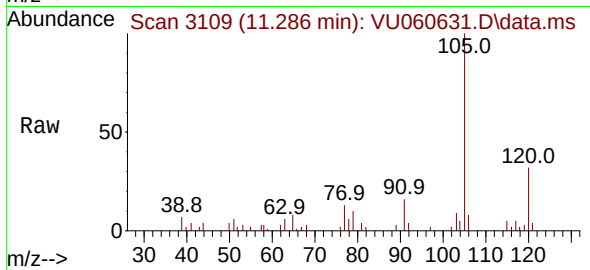




#60
Isopropylbenzene
Concen: 0.299 ug/L
RT: 11.286 min Scan# 3109
Delta R.T. 0.810 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

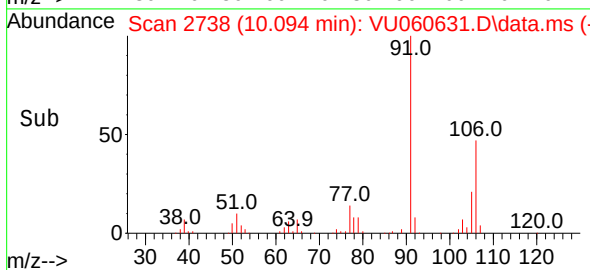
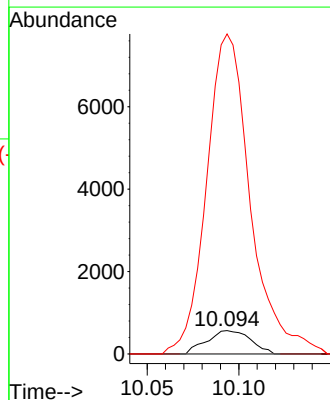
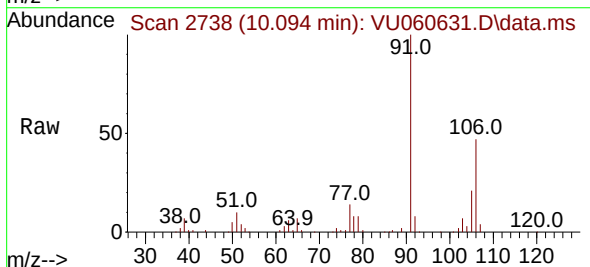
Instrument :
MSVOA_U
ClientSampleId :

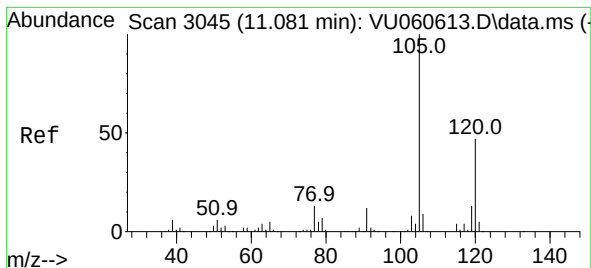
Tgt Ion:105 Resp: 14082
Ion Ratio Lower Upper
105 100
120 30.1 21.0 31.4
77 14.0 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 0.139 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.723 min
Lab File: VU060631.D
Acq: 05 Sep 2024 17:33

Tgt Ion: 75 Resp: 941
Ion Ratio Lower Upper
75 100
110 0.0 30.2 45.4#
77 1371.7 25.4 38.2#





#62

1,3,5-Trimethylbenzene

Concen: 0.335 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

Instrument :

MSVOA_U

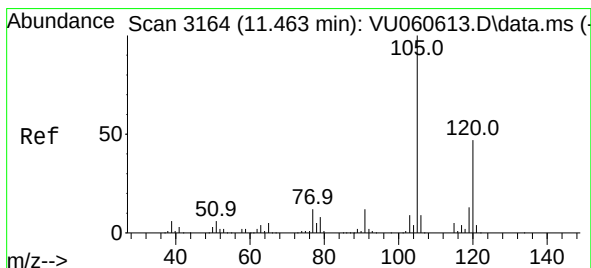
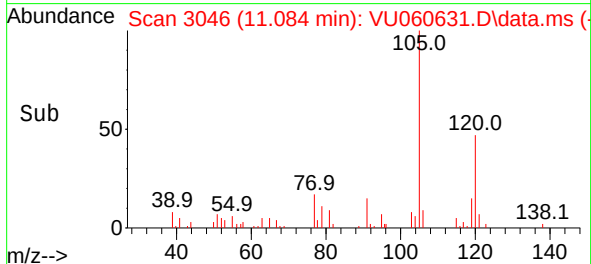
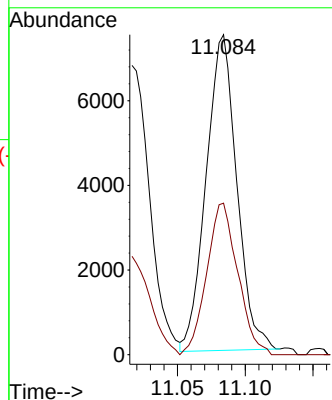
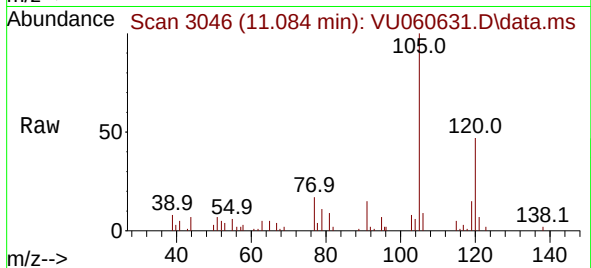
ClientSampleId :

Tgt Ion:105 Resp: 11734

Ion Ratio Lower Upper

105 100

120 48.6 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 1.313 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU060631.D

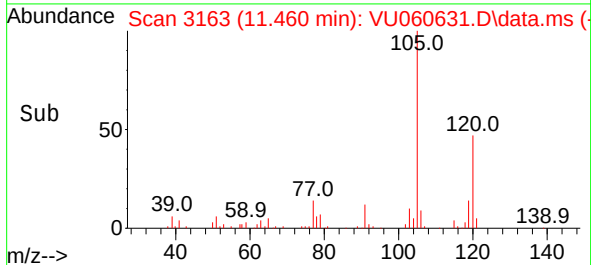
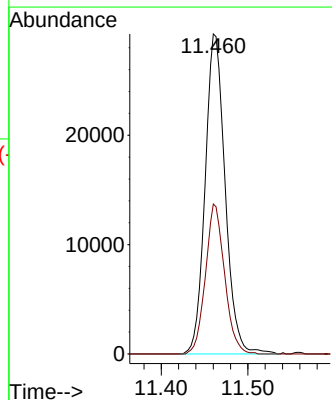
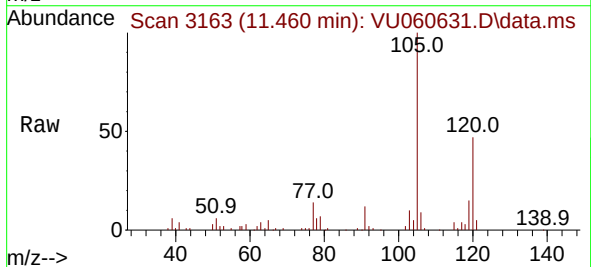
Acq: 05 Sep 2024 17:33

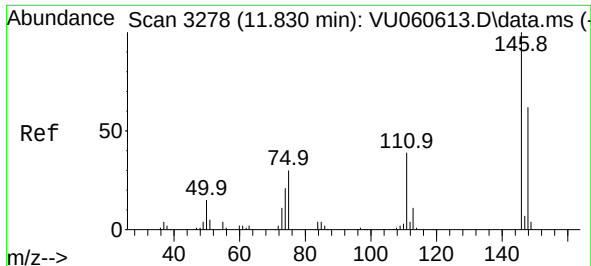
Tgt Ion:105 Resp: 46932

Ion Ratio Lower Upper

105 100

120 44.8 35.7 53.5





#65

1,4-Dichlorobenzene

Concen: 0.294 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

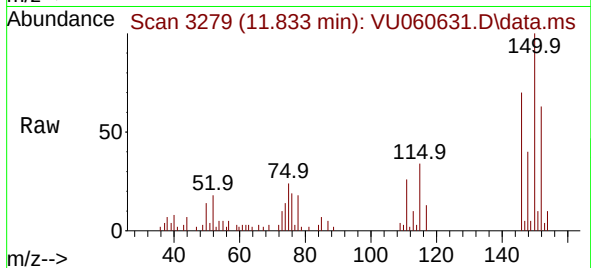
Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

Instrument :

MSVOA_U

ClientSampleId :



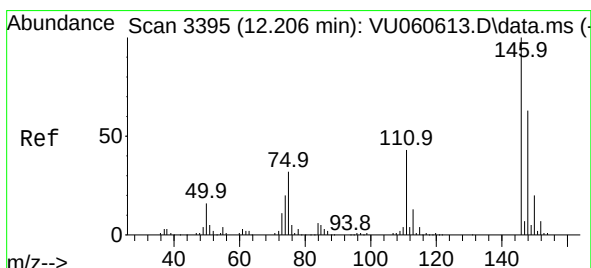
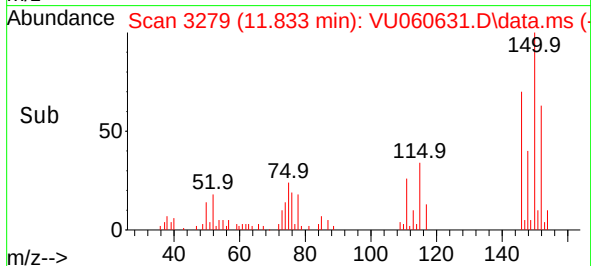
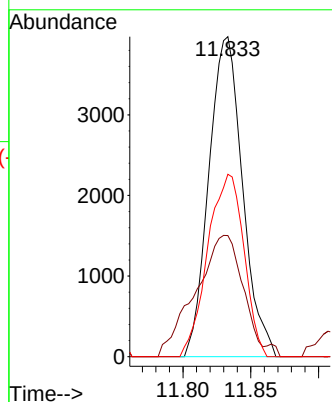
Tgt Ion:146 Resp: 6861

Ion Ratio Lower Upper

146 100

111 37.9 27.2 50.4

148 64.9 43.6 81.0



#67

1,2-Dichlorobenzene

Concen: 1.974 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

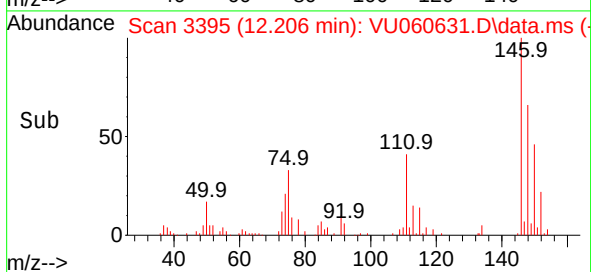
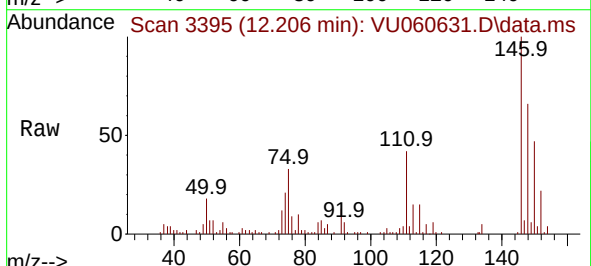
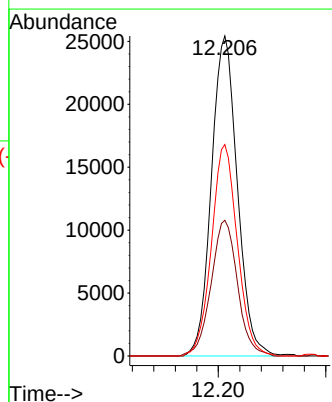
Tgt Ion:146 Resp: 42612

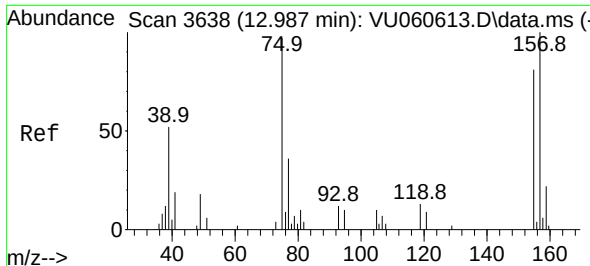
Ion Ratio Lower Upper

146 100

111 42.4 34.6 52.0

148 66.1 51.4 77.2





#68

1,2-Dibromo-3-chloropropane

Concen: 0.170 ug/L

RT: 13.016 min Scan# 3647

Delta R.T. 0.029 min

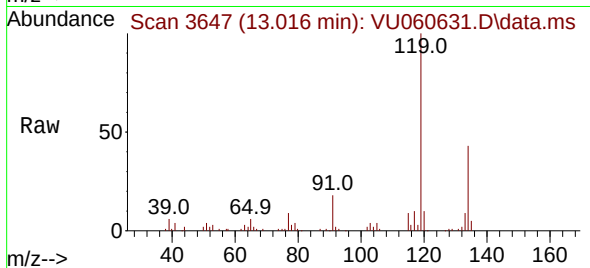
Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

Instrument :

MSVOA_U

ClientSampleId :



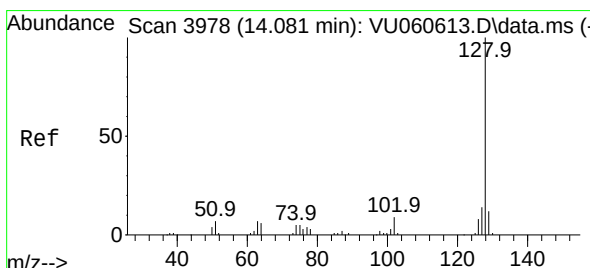
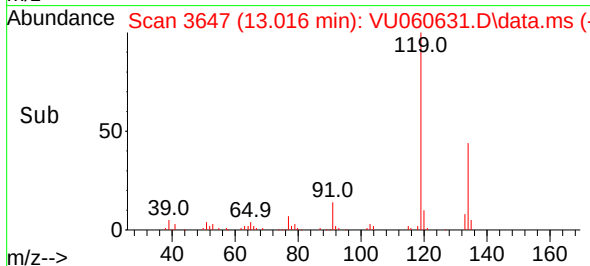
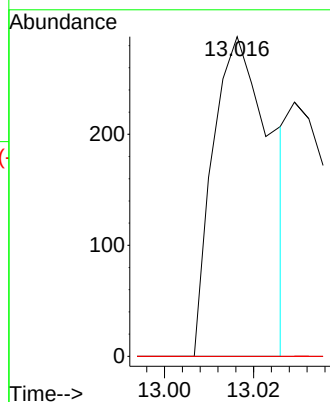
Tgt Ion: 75 Resp: 260

Ion Ratio Lower Upper

75 100

155 0.0 62.7 94.1#

157 0.0 70.4 105.6#



#71

Naphthalene

Concen: 52.937 ug/L

RT: 14.077 min Scan# 3977

Delta R.T. -0.003 min

Lab File: VU060631.D

Acq: 05 Sep 2024 17:33

Tgt Ion:128 Resp: 968172

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

127 13.5 10.2 15.2

