

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070324\
 Data File : VU059755.D
 Acq On : 02 Jul 2024 22:21
 Operator : MD/SY
 Sample : P2979-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 04:08:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 03 04:07:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	162276	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	158431	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	81828	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	49498	4.387	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.907	69	41480	3.820	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.560	65	18402	3.931	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	4.615	46	99609	42.855	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.720%
24) Chloroform-d	5.052	84	88719	3.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.600%
26) 1,2-Dichloroethane-d4	5.695	65	44880	4.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
32) Benzene-d6	5.721	84	183716	4.213	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.682	67	57923	4.335	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.891	98	162433	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
43) trans-1,3-Dichloroprop...	8.174	79	19914	4.760	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.624	63	84025	48.336	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.680%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	50835	4.605	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	65524	4.499	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	1777	0.120	ug/L	100
5) Vinyl chloride	1.727	62	2863	0.175	ug/L	89
13) Acetone	2.621	43	30447	20.194	ug/L	90
15) Methyl Acetate	3.174	43	26125	6.566	ug/L #	54
17) Methyl tert-butyl Ether	3.354	73	13547	0.546	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	3087	0.234	ug/L	89
33) Benzene	5.769	78	34526	0.718	ug/L	100
42) Toluene	7.968	91	9733	0.191	ug/L	95
48) 2-Hexanone	8.624	43	50285	12.213	ug/L #	46
51) Chlorobenzene	9.441	112	98875	3.061	ug/L	96
52) Ethylbenzene	9.566	91	6645	0.127	ug/L	100
53) m,p-Xylene	9.688	106	12822	0.639	ug/L	89
54) o-Xylene	10.097	106	8940	0.469	ug/L	94
60) Isopropylbenzene	10.479	105	17518	0.347	ug/L	96
61) 1,2,3-Trichloropropane	11.746	75	2190	0.290	ug/L #	46
62) 1,3,5-Trimethylbenzene	11.467	105	11349	0.283	ug/L	88
63) 1,2,4-Trimethylbenzene	11.467	105	11349	0.296	ug/L	93
64) 1,3-Dichlorobenzene	11.746	146	5016	0.195	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	85523	3.232	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 03 04:07:12 2024
Response via : Initial Calibration

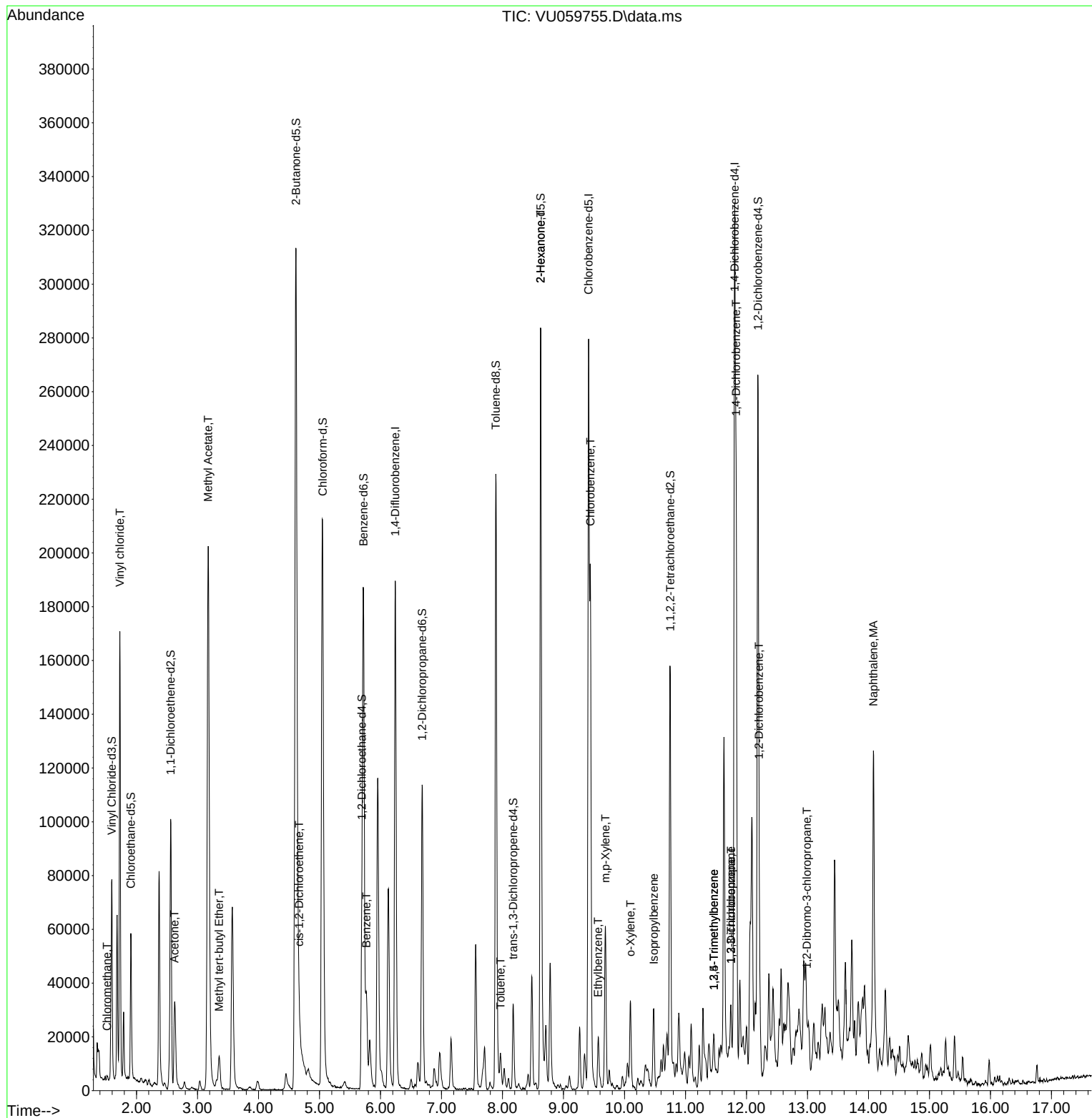
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.206	146	12729	0.526	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.987	75	155	0.105	ug/L #	6
71) Naphthalene	14.081	128	95234	4.558	ug/L #	92

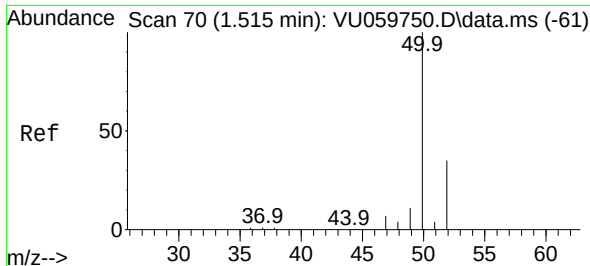
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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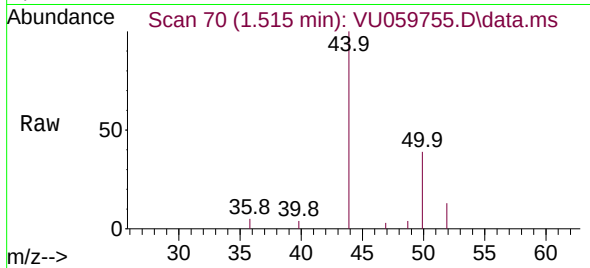
Quant Time: Jul 03 04:08:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
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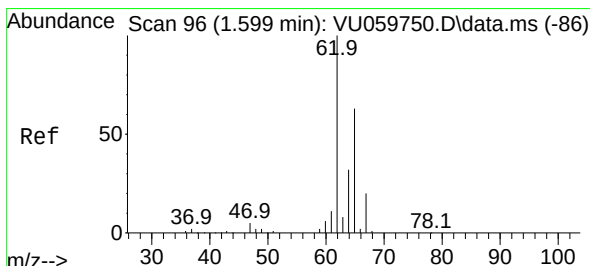
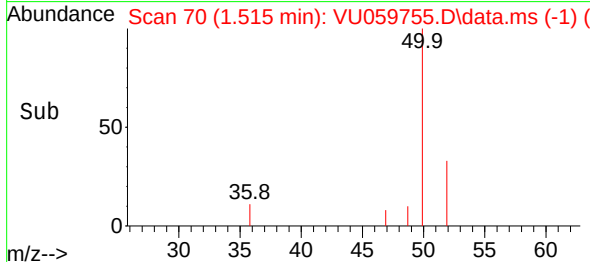
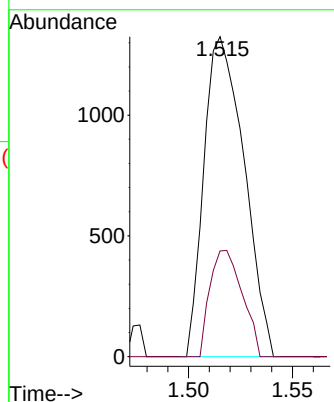


#3
Chloromethane
Concen: 0.120 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Instrument :
MSVOA_U
ClientSampleId :

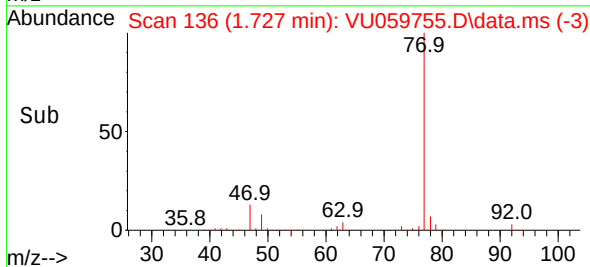
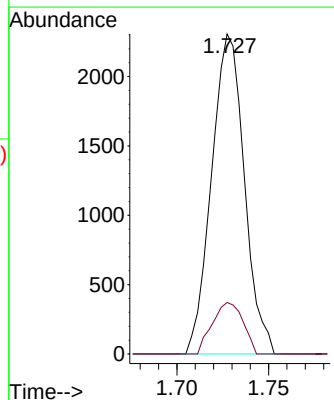
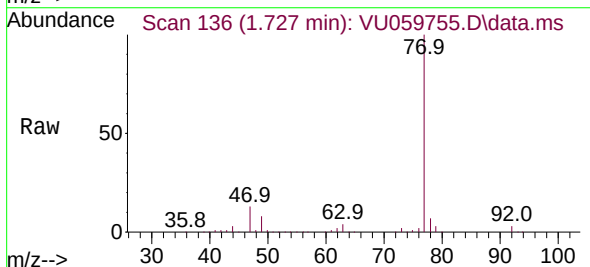


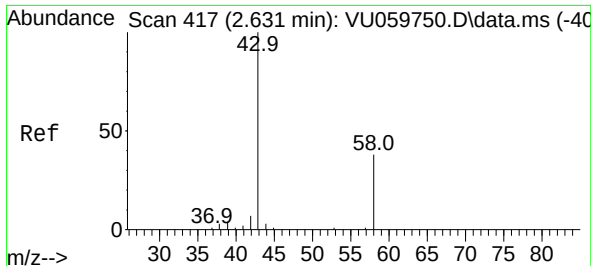
Tgt Ion: 50 Resp: 1777
Ion Ratio Lower Upper
50 100
52 33.1 23.2 43.0



#5
Vinyl chloride
Concen: 0.175 ug/L
RT: 1.727 min Scan# 136
Delta R.T. 0.129 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Tgt Ion: 62 Resp: 2863
Ion Ratio Lower Upper
62 100
64 26.5 23.1 42.9





#13

Acetone

Concen: 20.194 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU059755.D

Acq: 02 Jul 2024 22:21

Instrument :

MSVOA_U

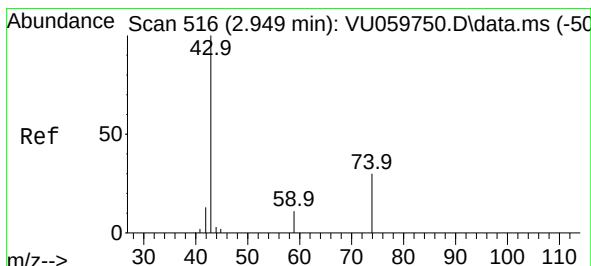
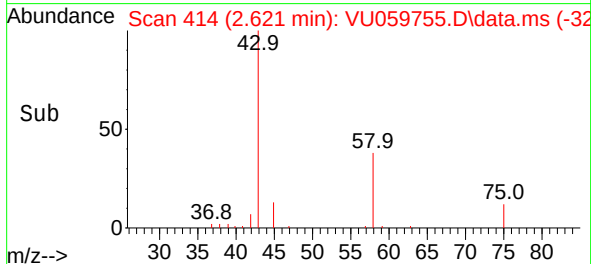
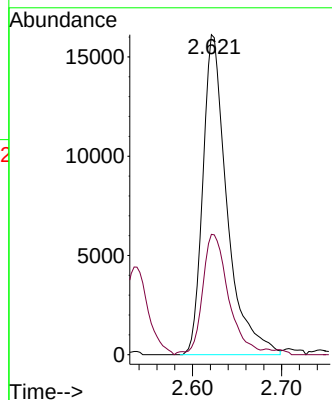
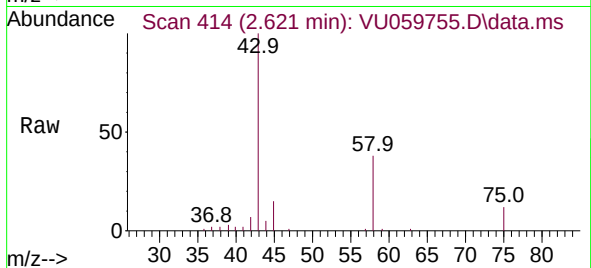
ClientSampleId :

Tgt Ion: 43 Resp: 30447

Ion Ratio Lower Upper

43 100

58 39.9 0.0 68.0



#15

Methyl Acetate

Concen: 6.566 ug/L

RT: 3.174 min Scan# 586

Delta R.T. 0.225 min

Lab File: VU059755.D

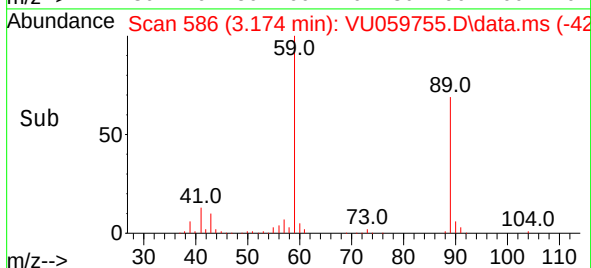
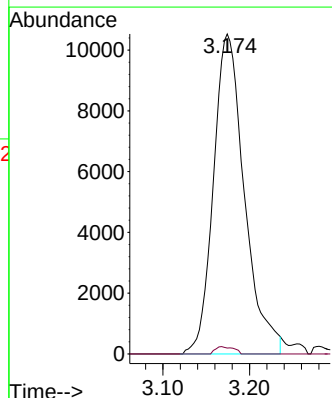
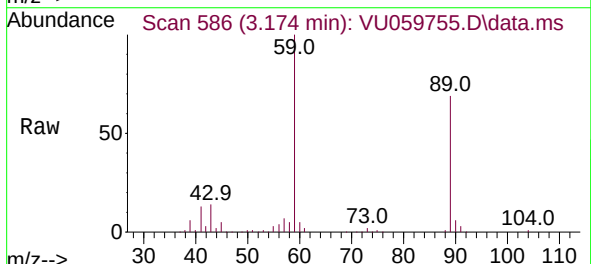
Acq: 02 Jul 2024 22:21

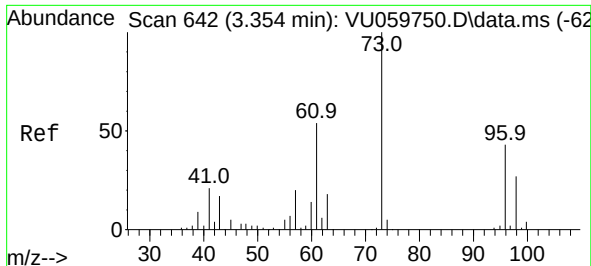
Tgt Ion: 43 Resp: 26125

Ion Ratio Lower Upper

43 100

74 1.4 19.2 28.8#

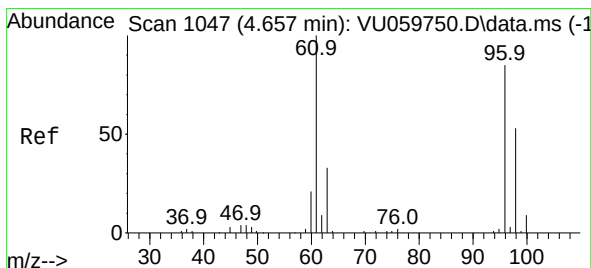
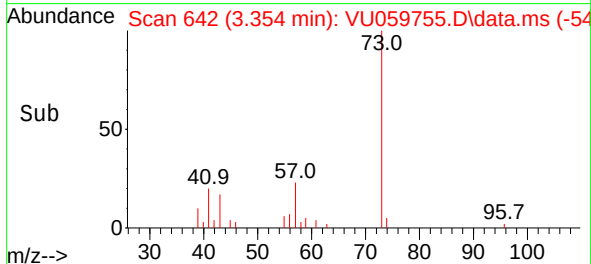
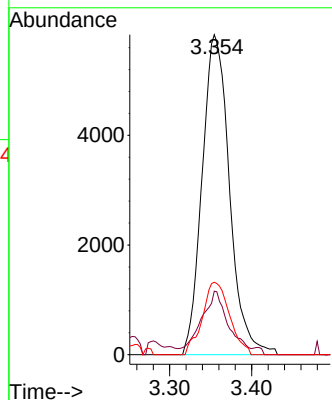
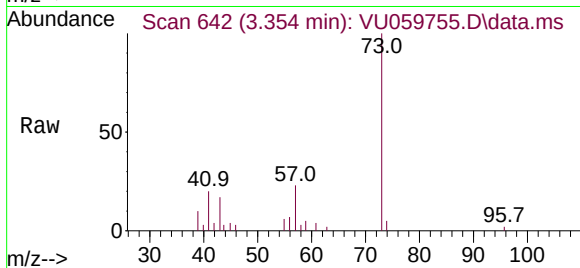




#17
Methyl tert-butyl Ether
Concen: 0.546 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

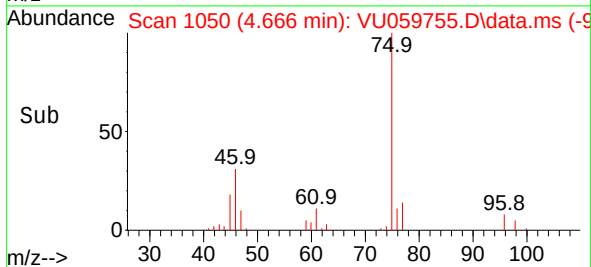
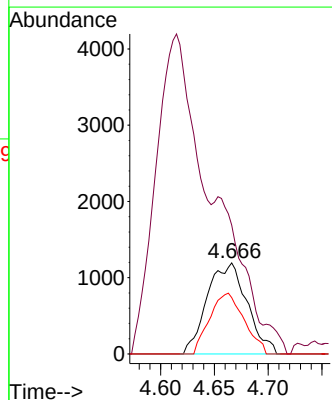
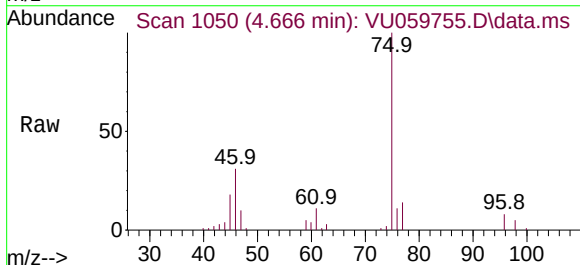
Instrument :
MSVOA_U
ClientSampleId :

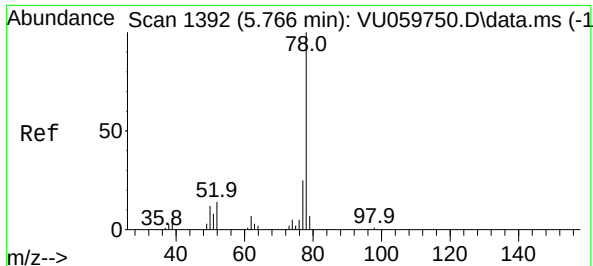
Tgt Ion: 73	Resp: 13547
Ion Ratio	Lower Upper
73 100	
43 15.6	14.9 22.3
57 22.5	18.0 27.0



#22
cis-1,2-Dichloroethene
Concen: 0.234 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.010 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Tgt Ion: 96	Resp: 3087
Ion Ratio	Lower Upper
96 100	
61 141.5	87.4 162.2
98 61.9	42.3 78.5





#33

Benzene

Concen: 0.718 ug/L

RT: 5.769 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VU059755.D

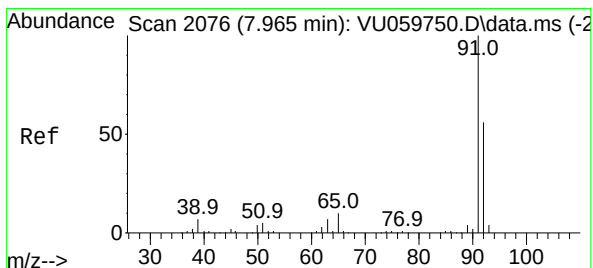
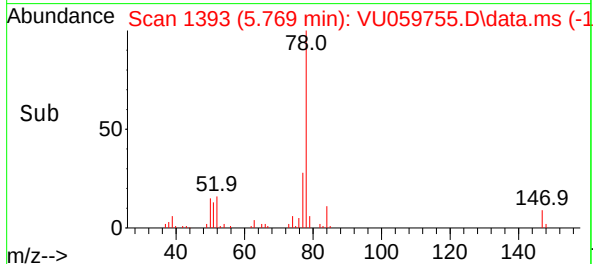
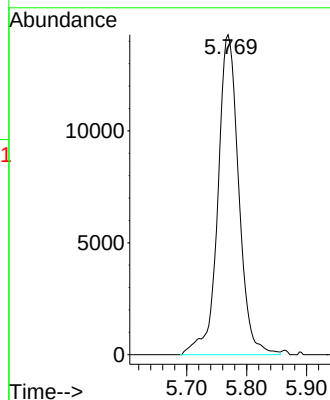
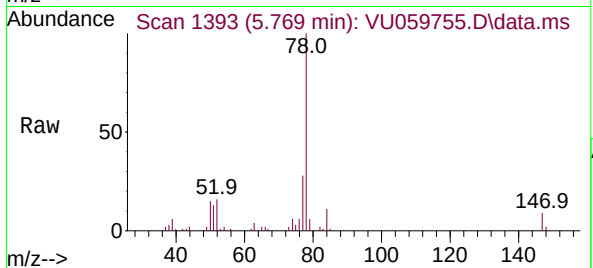
Acq: 02 Jul 2024 22:21

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 34526



#42

Toluene

Concen: 0.191 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU059755.D

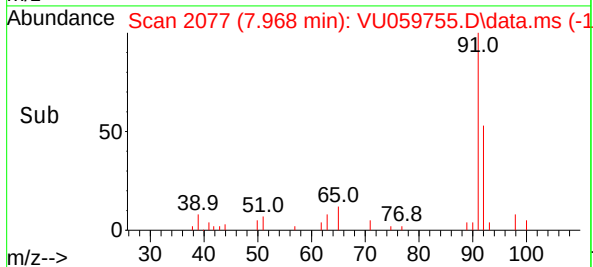
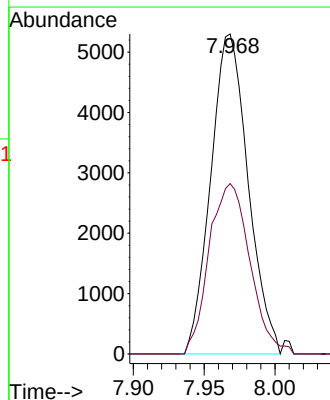
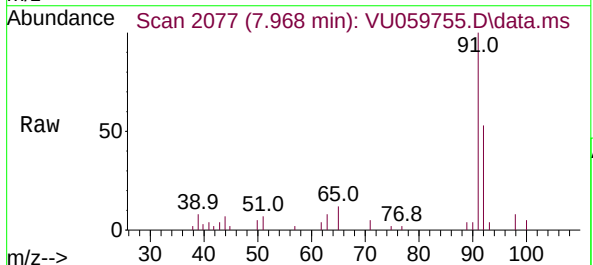
Acq: 02 Jul 2024 22:21

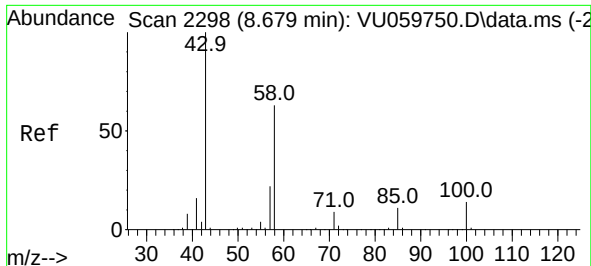
Tgt Ion: 91 Resp: 9733

Ion Ratio Lower Upper

91 100

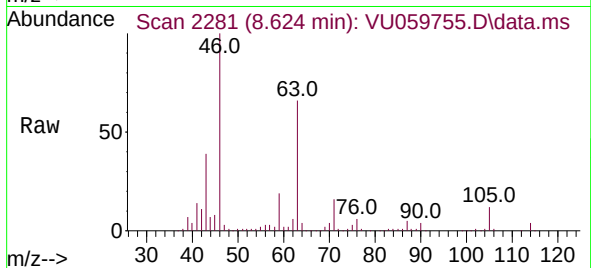
92 53.3 39.7 73.7



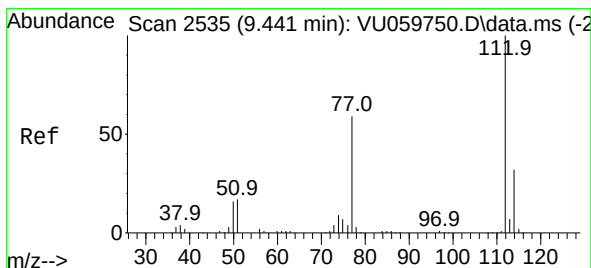
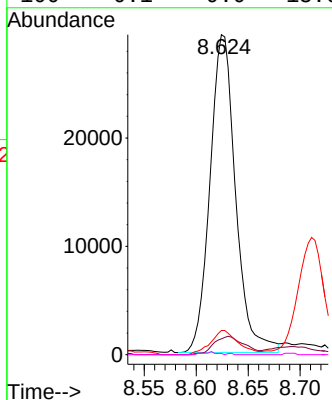
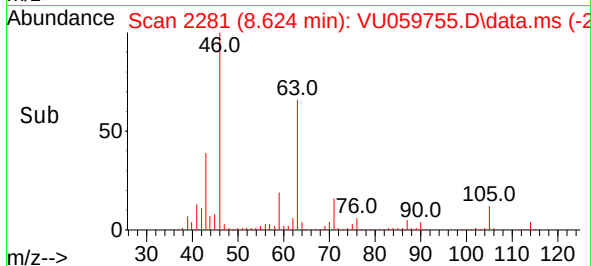


#48
2-Hexanone
Concen: 12.213 ug/L
RT: 8.624 min Scan# 21
Delta R.T. -0.055 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Instrument :
MSVOA_U
ClientSampleId :

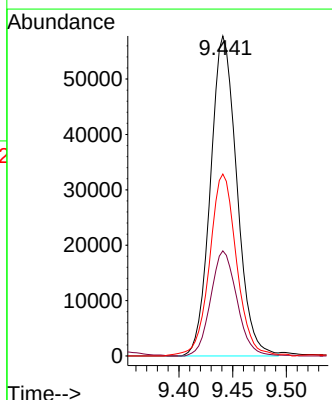
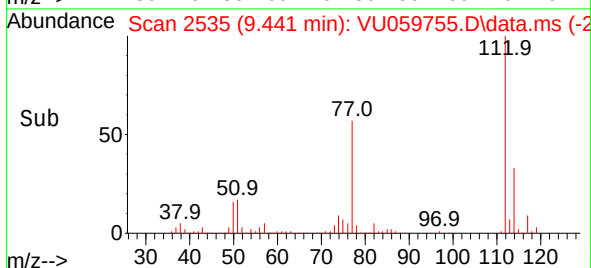
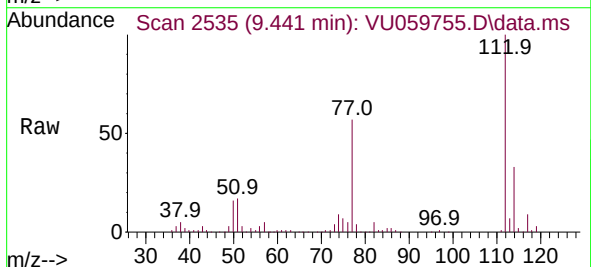


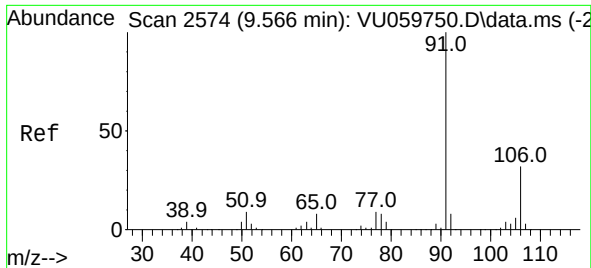
Tgt Ion:	43	Resp:	50285
Ion	Ratio	Lower	Upper
43	100		
58	6.8	46.1	69.1#
57	8.3	15.5	23.3#
100	0.1	9.0	13.6#



#51
Chlorobenzene
Concen: 3.061 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU059755.D
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Tgt Ion:	112	Resp:	98875
Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.4	41.6
77	56.8	49.1	73.7

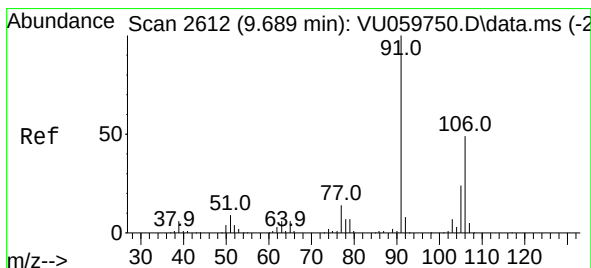
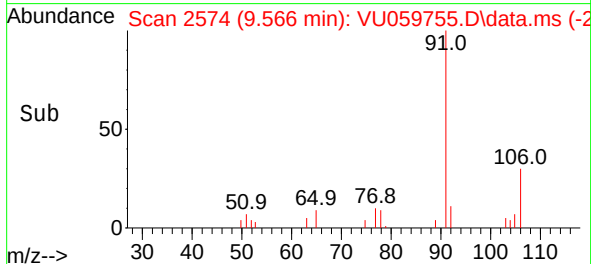
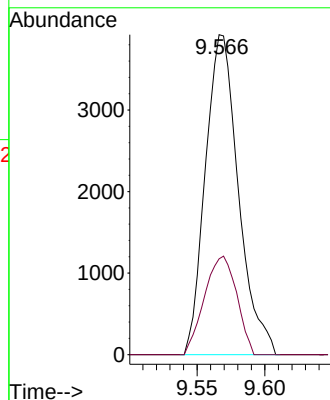
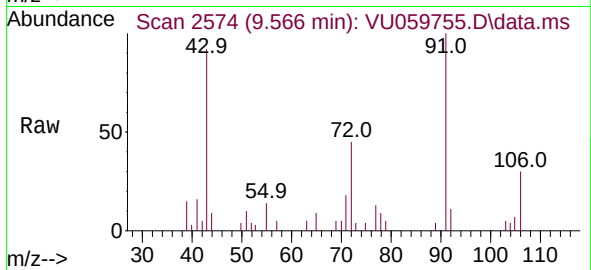




#52
Ethylbenzene
Concen: 0.127 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

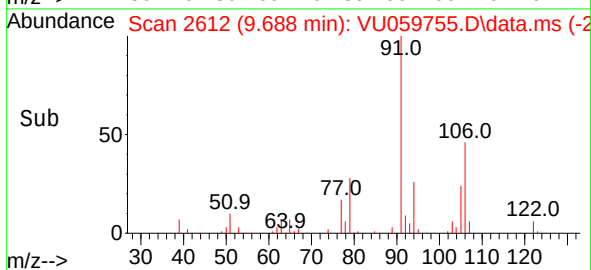
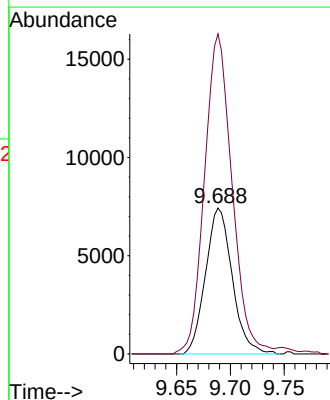
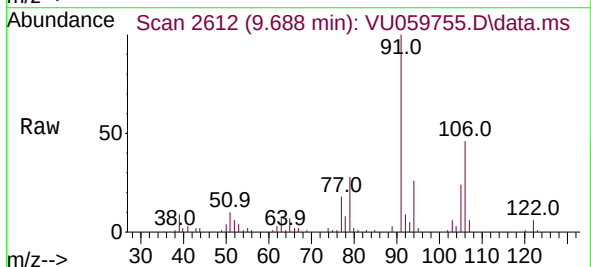
Instrument :
MSVOA_U
ClientSampleId :

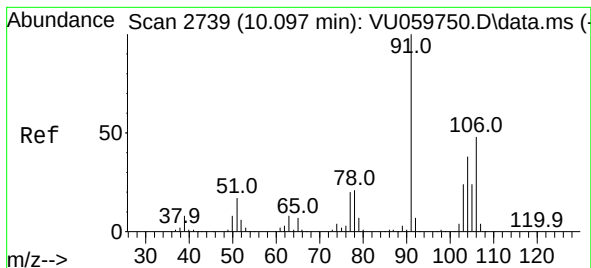
Tgt Ion: 91 Resp: 6645
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.7



#53
m,p-Xylene
Concen: 0.639 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Tgt Ion: 106 Resp: 12822
Ion Ratio Lower Upper
106 100
91 219.3 142.0 263.8





#54

o-Xylene

Concen: 0.469 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU059755.D

Acq: 02 Jul 2024 22:21

Instrument :

MSVOA_U

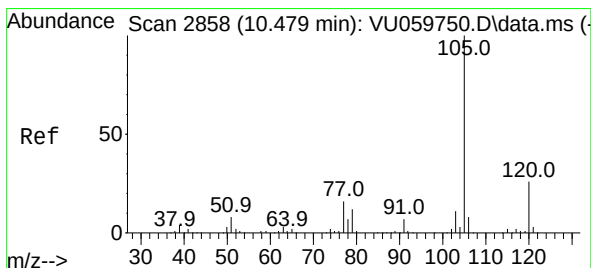
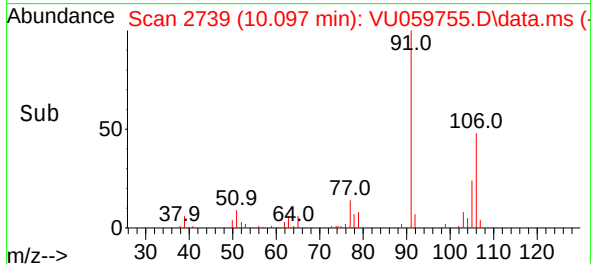
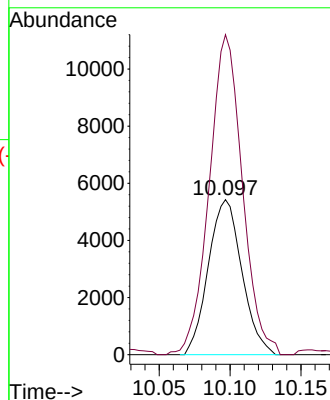
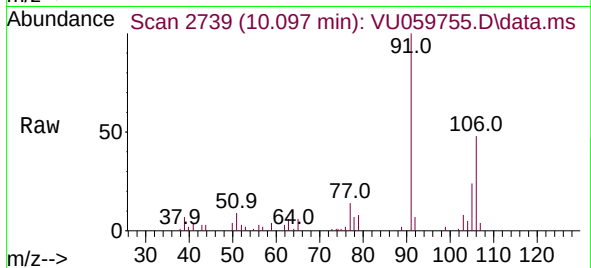
ClientSampleId :

Tgt Ion:106 Resp: 8940

Ion Ratio Lower Upper

106 100

91 206.4 151.6 281.6



#60

Isopropylbenzene

Concen: 0.347 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU059755.D

Acq: 02 Jul 2024 22:21

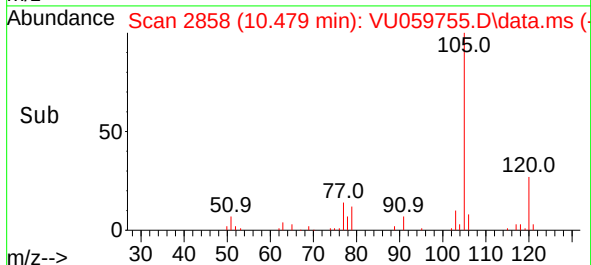
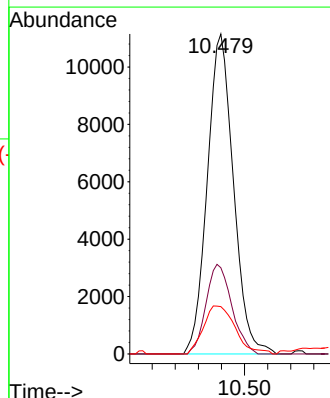
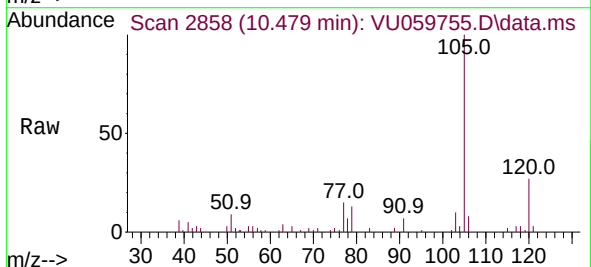
Tgt Ion:105 Resp: 17518

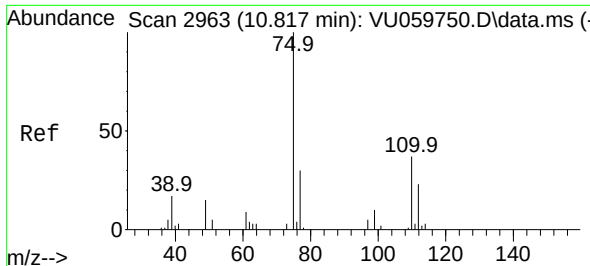
Ion Ratio Lower Upper

105 100

120 27.6 20.6 31.0

77 18.2 12.8 19.2

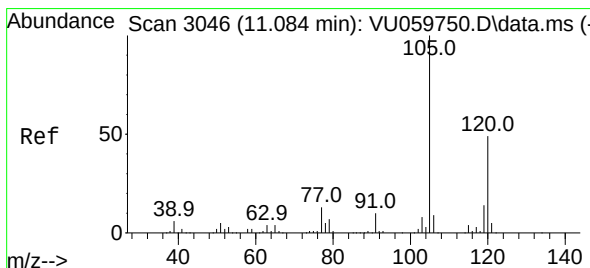
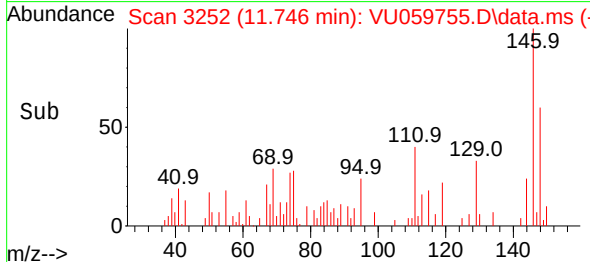
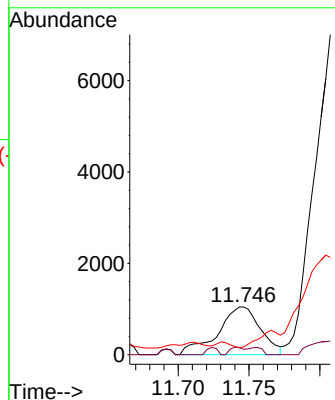
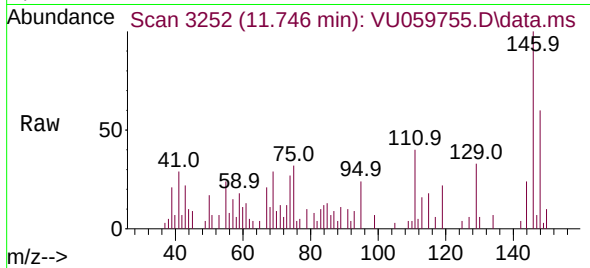




#61
1,2,3-Trichloropropane
Concen: 0.290 ug/L
RT: 11.746 min Scan# 3165
Delta R.T. 0.929 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

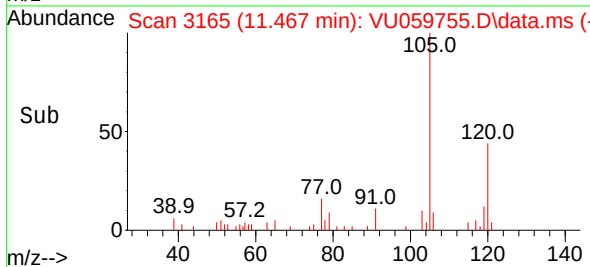
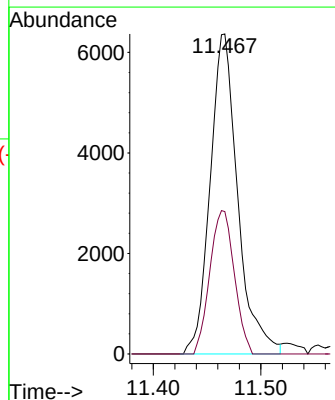
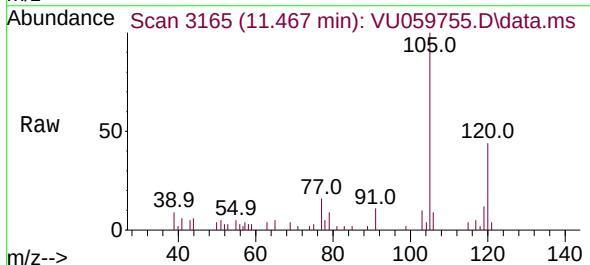
Instrument :
MSVOA_U
ClientSampleId :

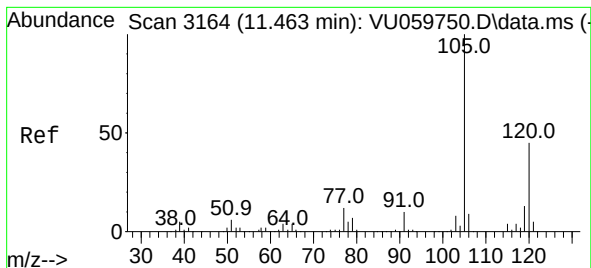
Tgt Ion: 75 Resp: 2190
Ion Ratio Lower Upper
75 100
110 4.9 27.1 40.7#
77 0.0 25.4 38.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.283 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.383 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Tgt Ion:105 Resp: 11349
Ion Ratio Lower Upper
105 100
120 39.6 38.2 57.4





#63

1,2,4-Trimethylbenzene

Concen: 0.296 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU059755.D

Acq: 02 Jul 2024 22:21

Instrument :

MSVOA_U

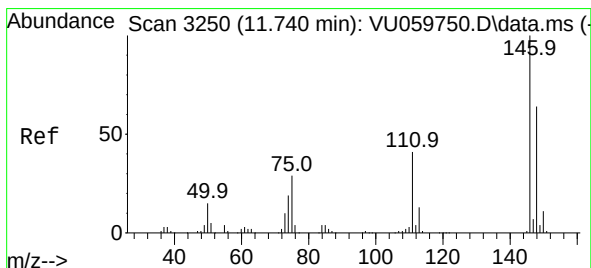
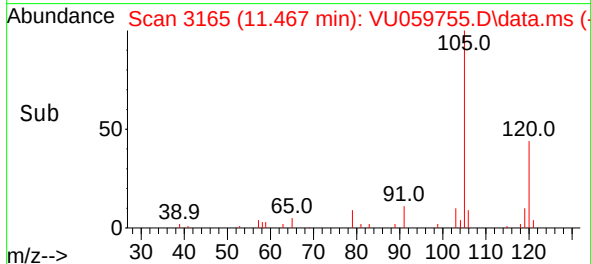
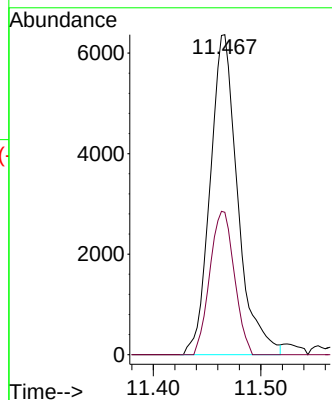
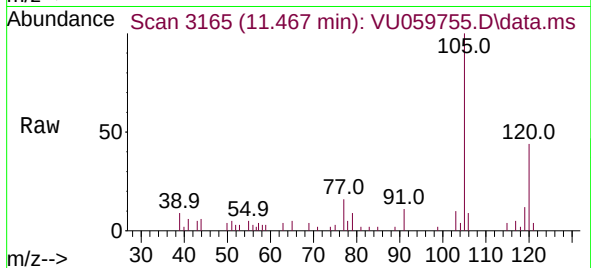
ClientSampleId :

Tgt Ion:105 Resp: 11349

Ion Ratio Lower Upper

105 100

120 39.6 35.4 53.0



#64

1,3-Dichlorobenzene

Concen: 0.195 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.006 min

Lab File: VU059755.D

Acq: 02 Jul 2024 22:21

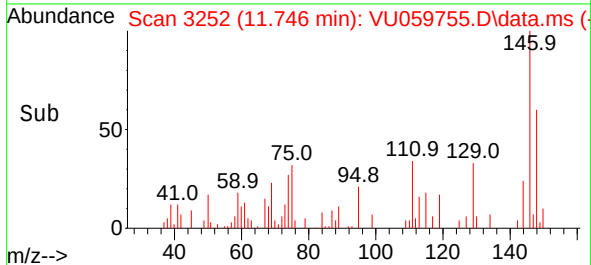
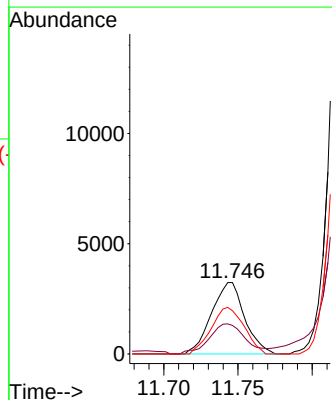
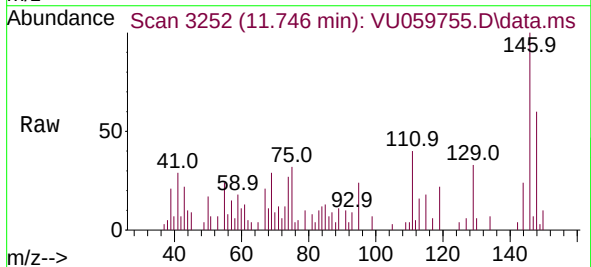
Tgt Ion:146 Resp: 5016

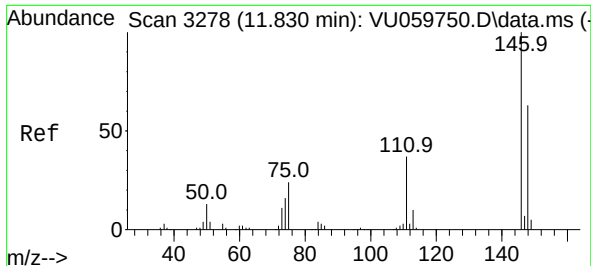
Ion Ratio Lower Upper

146 100

111 40.0 27.4 51.0

148 60.5 45.0 83.6





#65

1,4-Dichlorobenzene

Concen: 3.232 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU059755.D

Acq: 02 Jul 2024 22:21

Instrument :

MSVOA_U

ClientSampleId :

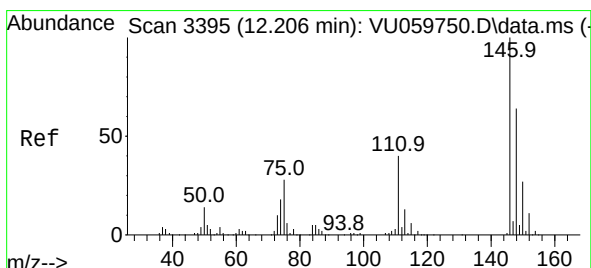
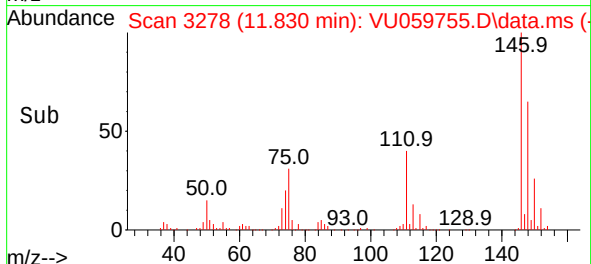
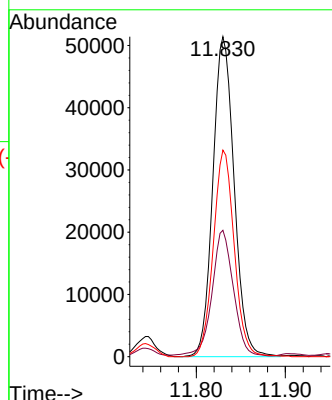
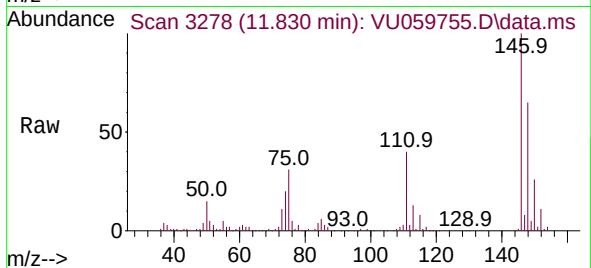
Tgt Ion:146 Resp: 85523

Ion Ratio Lower Upper

146 100

111 39.5 26.9 50.1

148 64.5 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.526 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059755.D

Acq: 02 Jul 2024 22:21

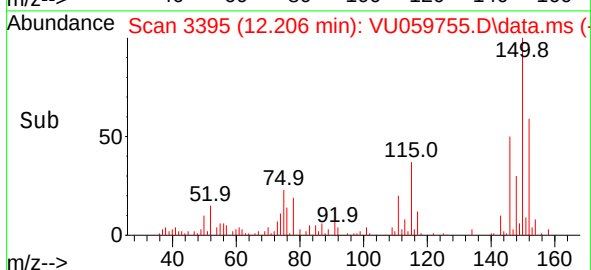
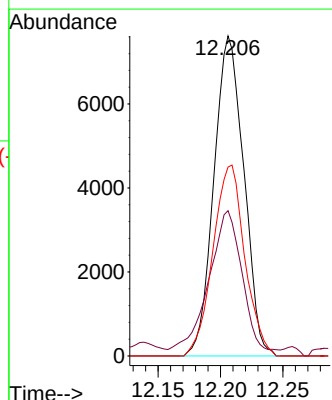
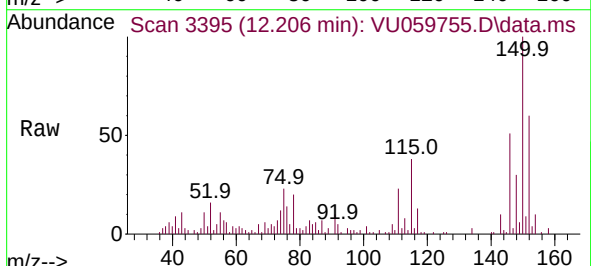
Tgt Ion:146 Resp: 12729

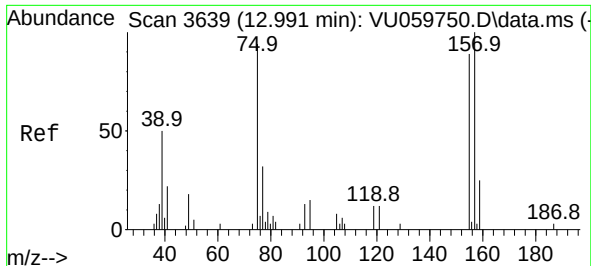
Ion Ratio Lower Upper

146 100

111 45.4 33.4 50.0

148 59.1 49.7 74.5

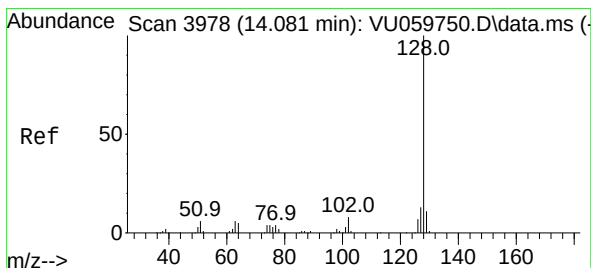
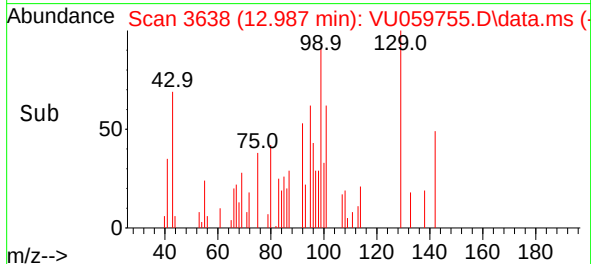
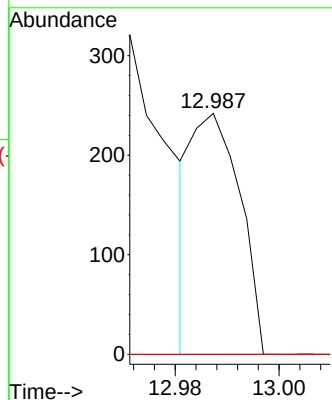
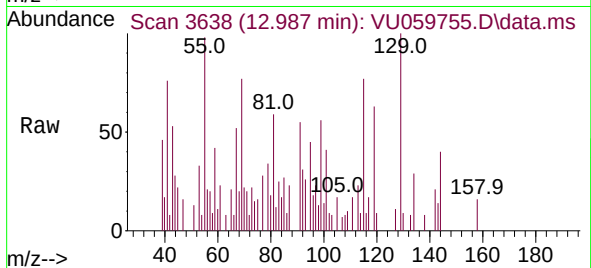




#68
1,2-Dibromo-3-chloropropane
Concen: 0.105 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. -0.003 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
155 0.0 58.2 87.2#
157 0.0 80.0 120.0#



#71
Naphthalene
Concen: 4.558 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU059755.D
Acq: 02 Jul 2024 22:21

Tgt Ion: 128 Resp: 95234
Ion Ratio Lower Upper
128 100
129 14.3 8.2 12.4#
127 15.2 10.2 15.4

