

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092324\
 Data File : VU060973.D
 Acq On : 23 Sep 2024 13:35
 Operator : MD/SY
 Sample : P4092-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 06:09:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 24 06:06:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	143478	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	148519	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	68794	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	50598	3.921	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.400%
7) Chloroethane-d5	1.911	69	39933	4.346	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.560	65	18325	4.006	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.200%
20) 2-Butanone-d5	4.637	46	92894	44.839	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.680%
24) Chloroform-d	5.055	84	82062	4.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	5.695	65	39324	4.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
32) Benzene-d6	5.718	84	161836	4.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.682	67	54768	4.447	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.891	98	140999	3.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.177	79	17654	3.982	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.600%
46) 2-Hexanone-d5	8.627	63	76188	43.565	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.140%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	40767	4.225	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	50762	4.391	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	2240	0.181	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	64938	6.571	ug/L	99
12) 1,1-Dichloroethene	2.573	96	70905	7.856	ug/L	81
16) Methylene chloride	3.042	84	14614	1.398	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	3952	0.194	ug/L #	83
18) trans-1,2-Dichloroethene	3.354	96	1045	0.112	ug/L	90
19) 1,1-Dichloroethane	3.862	63	7949	0.423	ug/L	93
22) cis-1,2-Dichloroethene	4.657	96	194422	18.784	ug/L	98
25) Chloroform	5.078	83	20022	1.023	ug/L	95
34) Trichloroethene	6.534	95	1448475	135.303	ug/L	98
35) Methylcyclohexane	6.682	83	11755	0.800	ug/L #	17
37) 1,2-Dichloropropane	6.679	63	5195	0.462	ug/L #	93
47) Tetrachloroethene	8.544	164	136482	16.043	ug/L	97
49) Dibromochloromethane	8.544	129	131720	14.243	ug/L #	9
54) o-Xylene	10.097	106	7006	0.417	ug/L	94
60) Isopropylbenzene	11.287	105	12864	0.316	ug/L	93
61) 1,2,3-Trichloropropane	10.978	75	19368	3.018	ug/L #	52
62) 1,3,5-Trimethylbenzene	11.888	105	22813	0.720	ug/L	90
63) 1,2,4-Trimethylbenzene	11.888	105	22813	0.729	ug/L	95

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ALS Vial : 12 Sample Multiplier: 1

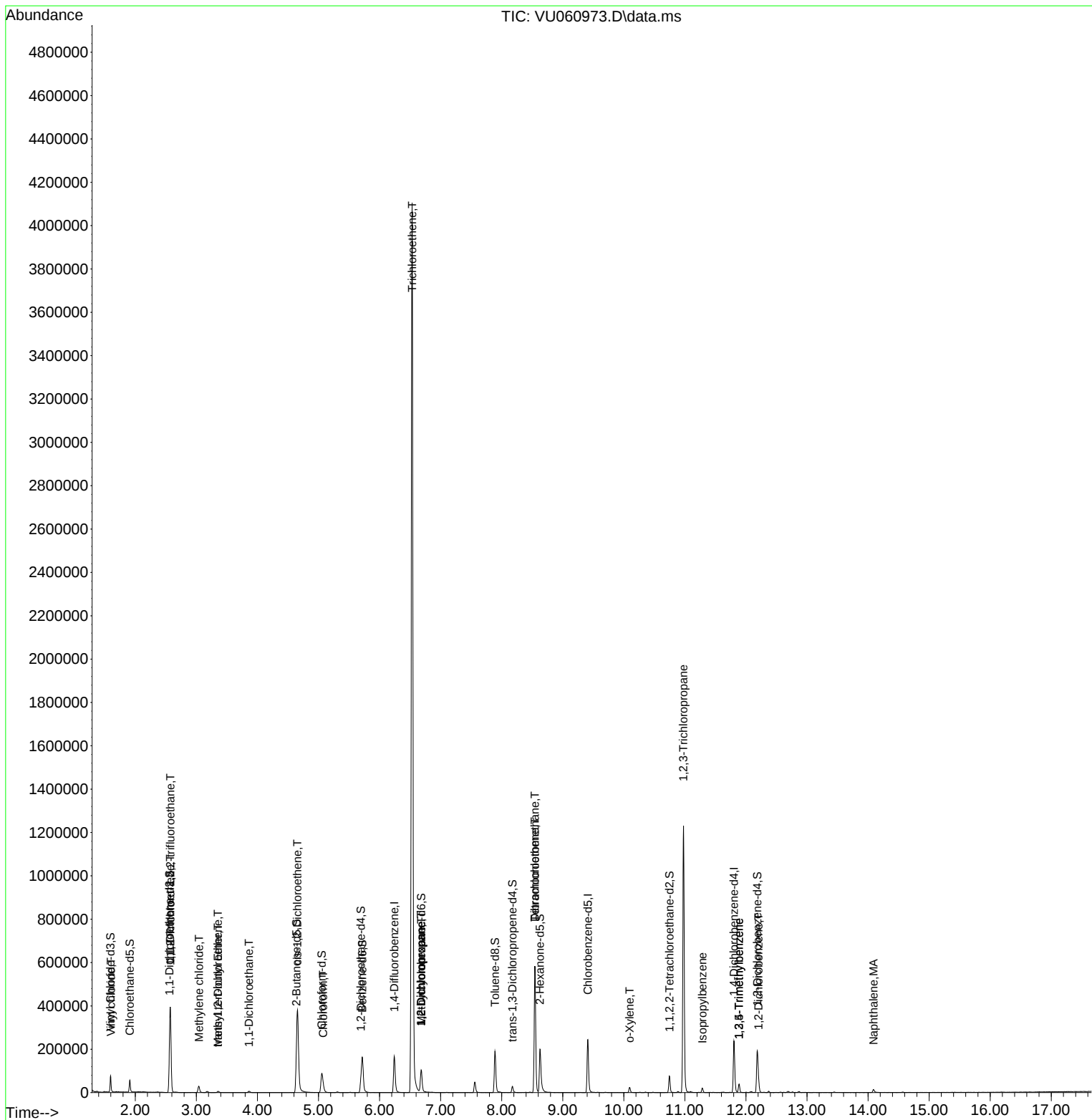
Instrument :
MSVOA_U
ClientSampleId :

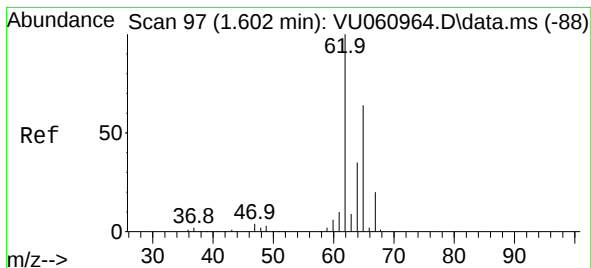
Quant Time: Sep 24 06:09:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Sep 24 06:06:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.206	146	19064	0.984	ug/L	90
71) Naphthalene	14.090	128	15576	1.093	ug/L	97

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

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#5

Vinyl chloride

Concen: 0.181 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU060973.D

Acq: 23 Sep 2024 13:35

Instrument :

MSVOA_U

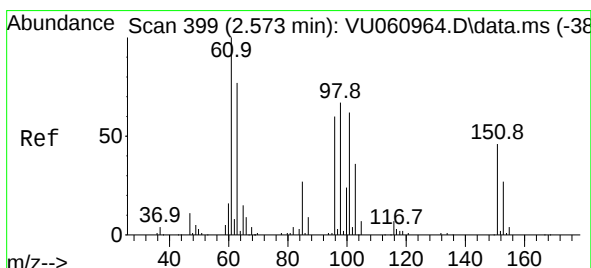
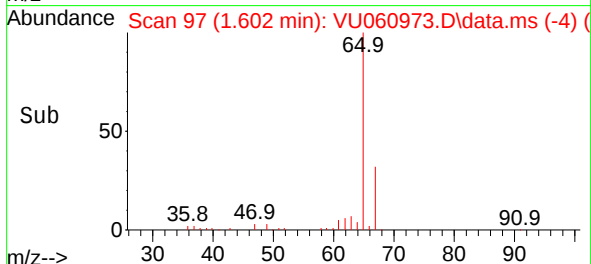
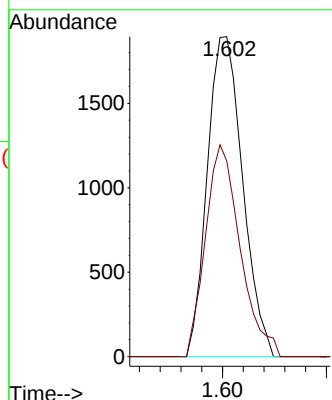
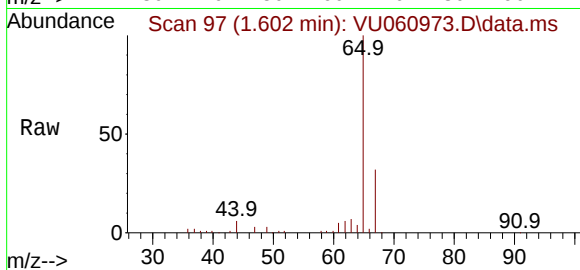
ClientSampleId :

Tgt Ion: 62 Resp: 2240

Ion Ratio Lower Upper

62 100

64 61.2 24.0 44.6#



#10

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

Concen: 6.571 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060973.D

Acq: 23 Sep 2024 13:35

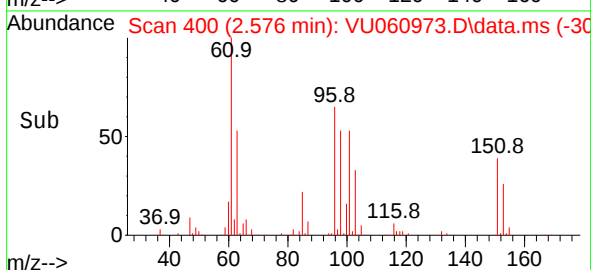
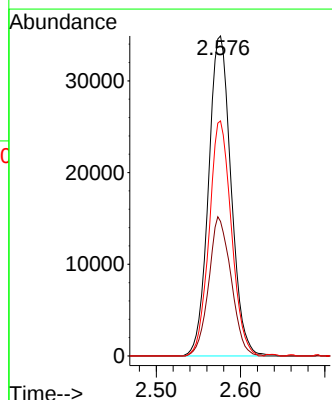
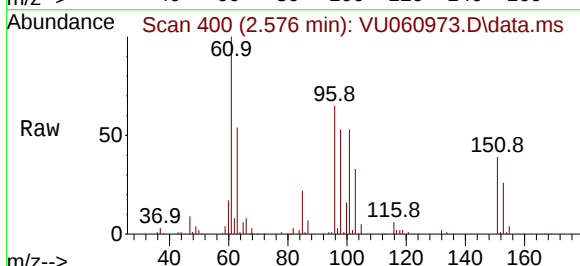
Tgt Ion:101 Resp: 64938

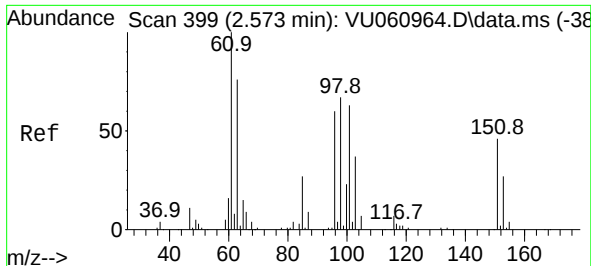
Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

151 72.3 58.6 88.0

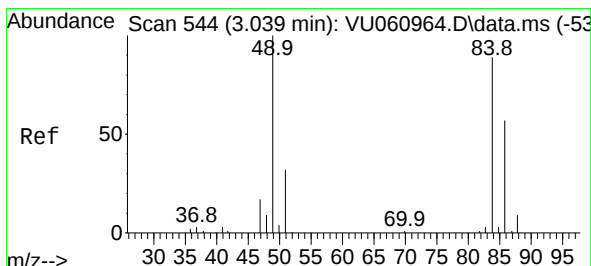
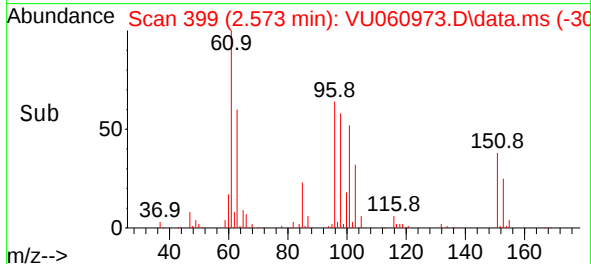
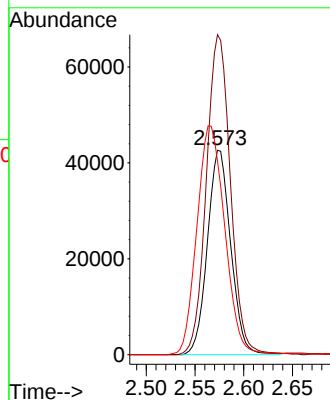
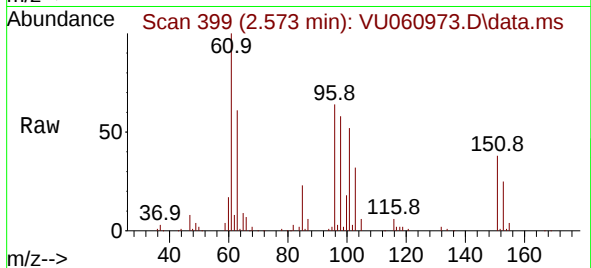




#12
1,1-Dichloroethene
Concen: 7.856 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

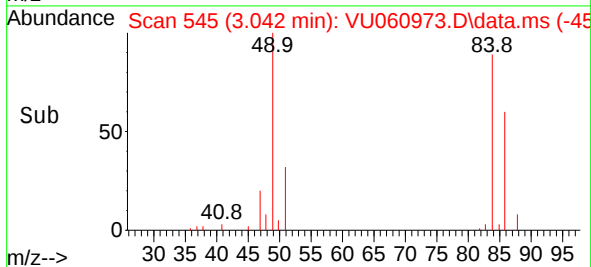
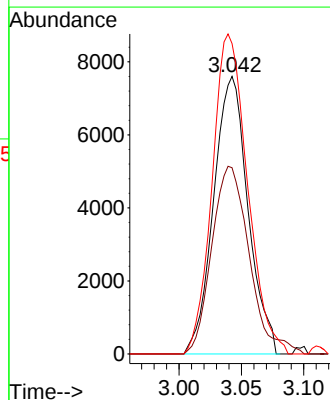
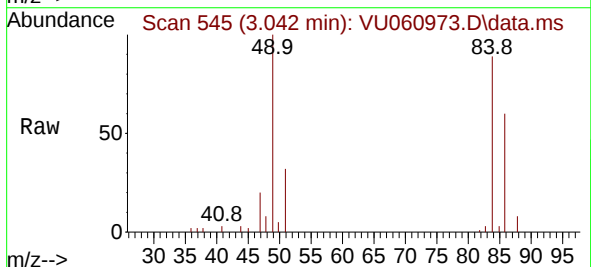
Instrument :
MSVOA_U
ClientSampleId :

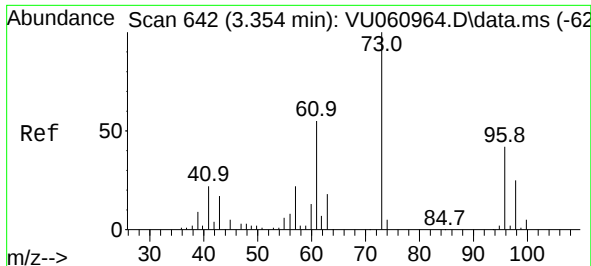
Tgt Ion: 96 Resp: 70905
Ion Ratio Lower Upper
96 100
61 156.5 120.7 224.1
63 94.9 90.0 167.2



#16
Methylene chloride
Concen: 1.398 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

Tgt Ion: 84 Resp: 14614
Ion Ratio Lower Upper
84 100
86 67.1 47.3 87.8
49 117.4 78.7 146.1

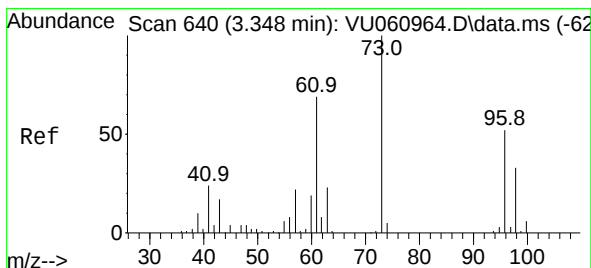
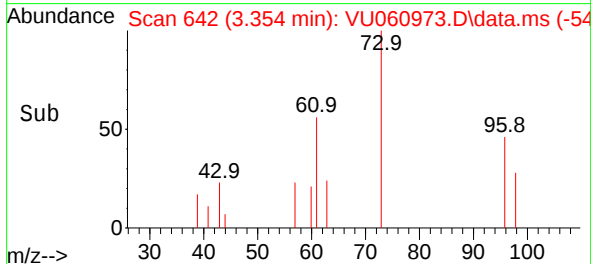
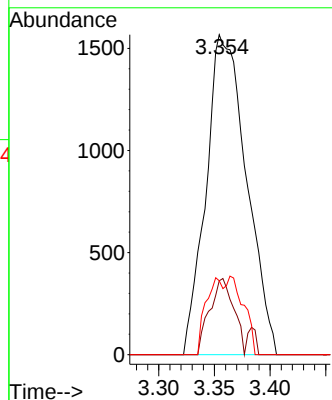
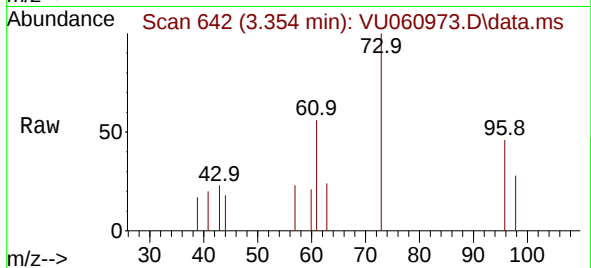




#17
Methyl tert-butyl Ether
Concen: 0.194 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

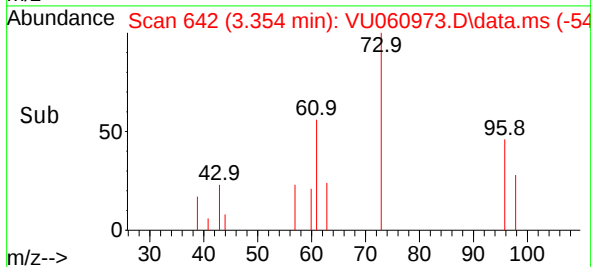
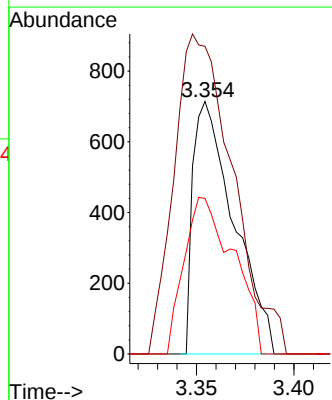
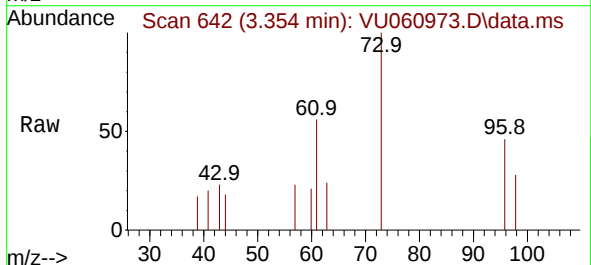
Instrument :
MSVOA_U
ClientSampleId :

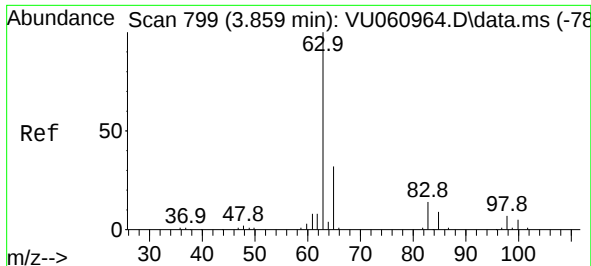
Tgt Ion: 73	Resp: 3952
Ion Ratio	Lower Upper
73	100
43	14.2 13.8 20.8
57	10.3 18.0 27.0#



#18
trans-1,2-Dichloroethene
Concen: 0.112 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

Tgt Ion: 96	Resp: 1045
Ion Ratio	Lower Upper
96	100
61	121.8 97.2 180.6
98	61.6 43.3 80.5





#19

1,1-Dichloroethane

Concen: 0.423 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU060973.D

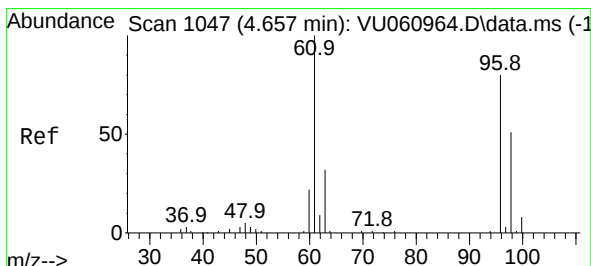
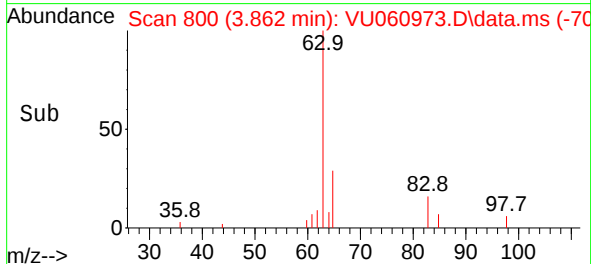
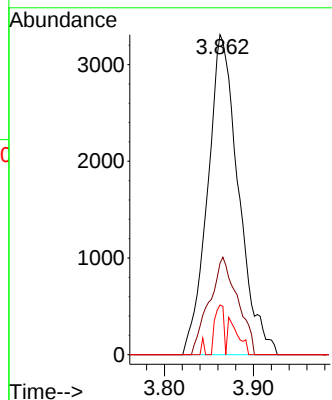
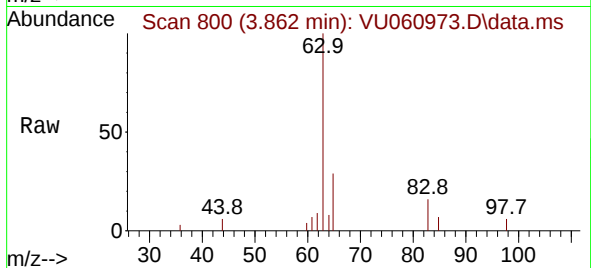
Acq: 23 Sep 2024 13:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 7949
Ion Ratio	Lower Upper
63	100
65	28.6 23.0 42.8
83	15.5 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 18.784 ug/L

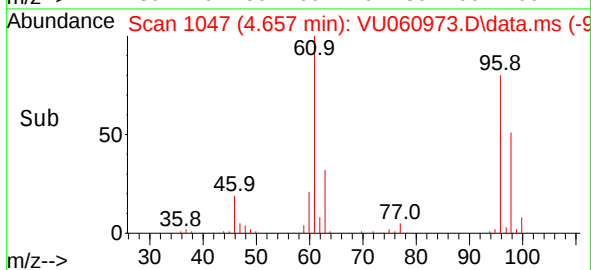
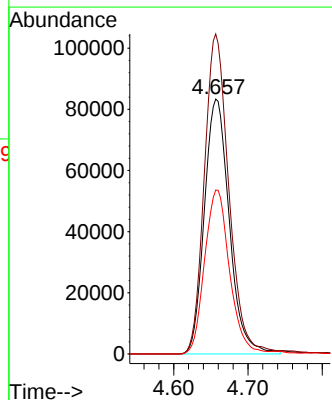
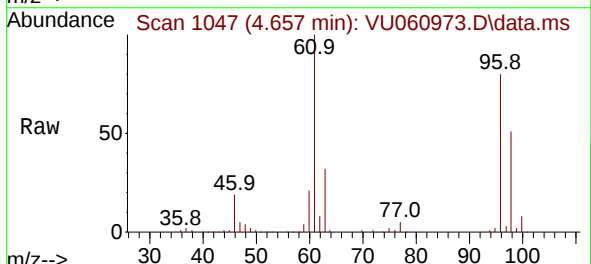
RT: 4.657 min Scan# 1047

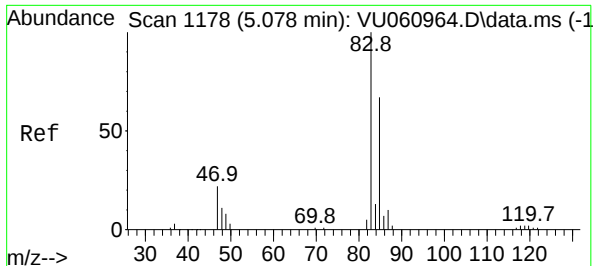
Delta R.T. -0.000 min

Lab File: VU060973.D

Acq: 23 Sep 2024 13:35

Tgt Ion: 96	Resp: 194422
Ion Ratio	Lower Upper
96	100
61	125.6 89.7 166.5
98	64.3 45.1 83.9





#25

Chloroform

Concen: 1.023 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060973.D

Acq: 23 Sep 2024 13:35

Instrument :

MSVOA_U

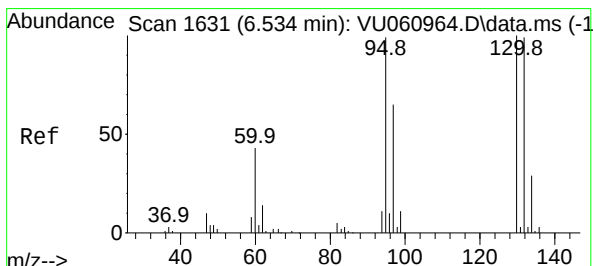
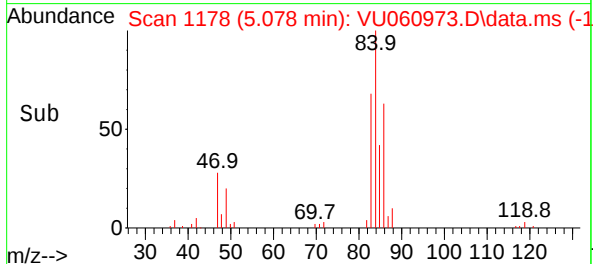
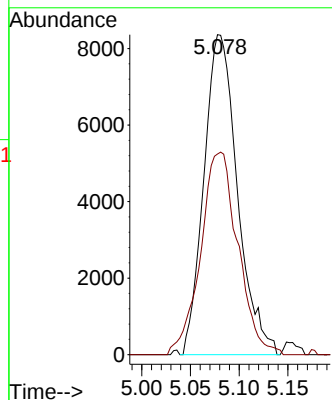
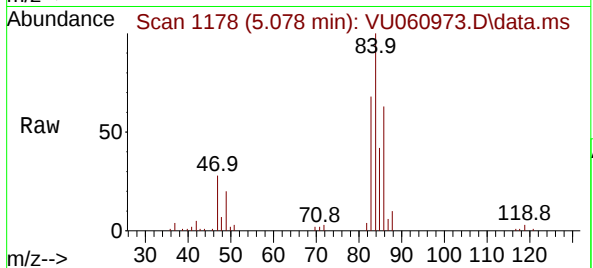
ClientSampleId :

Tgt Ion: 83 Resp: 20022

Ion Ratio Lower Upper

83 100

85 62.7 46.8 86.8



#34

Trichloroethene

Concen: 135.303 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VU060973.D

Acq: 23 Sep 2024 13:35

Tgt Ion: 95 Resp: 1448475

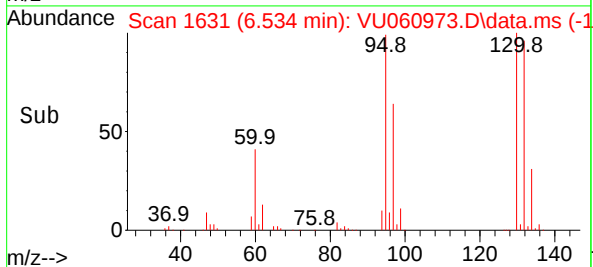
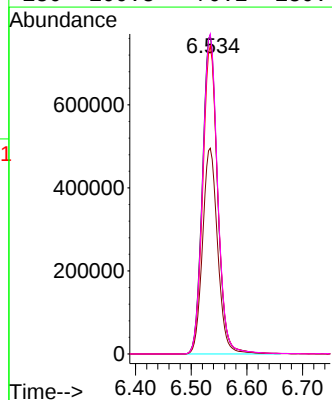
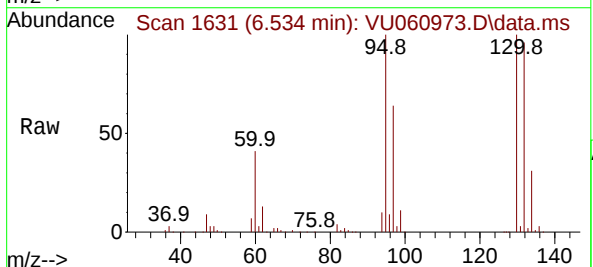
Ion Ratio Lower Upper

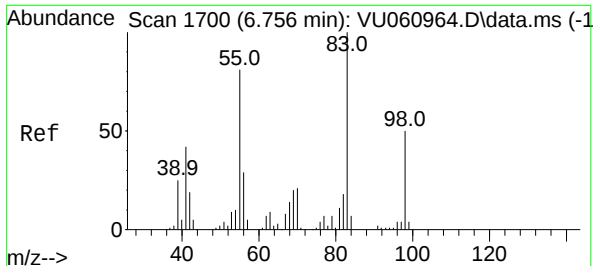
95 100

97 64.5 44.9 83.5

132 96.6 63.5 117.9

130 100.3 70.2 130.4

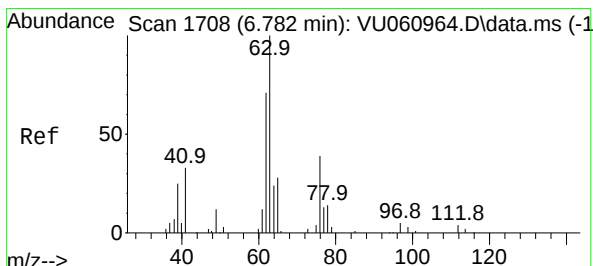
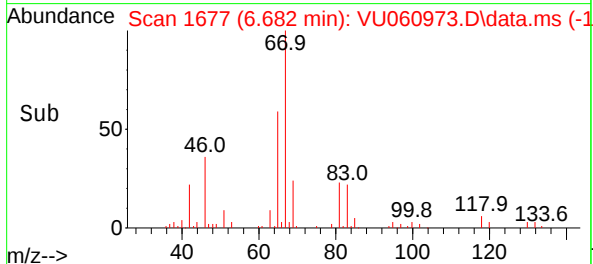
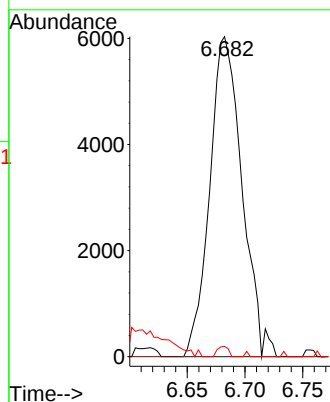
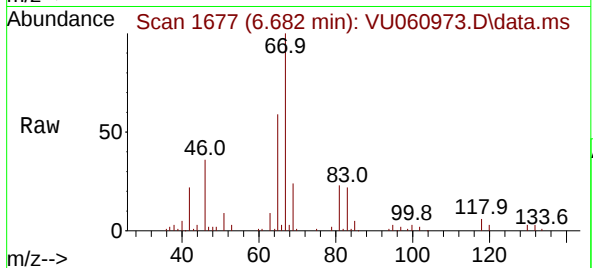




#35
Methylcyclohexane
Concen: 0.800 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

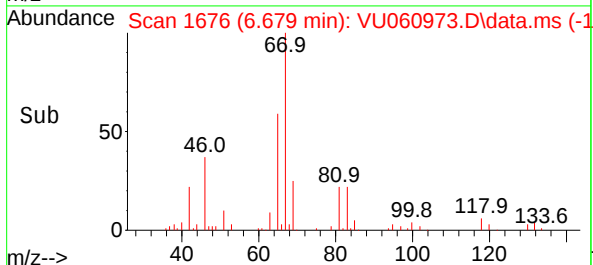
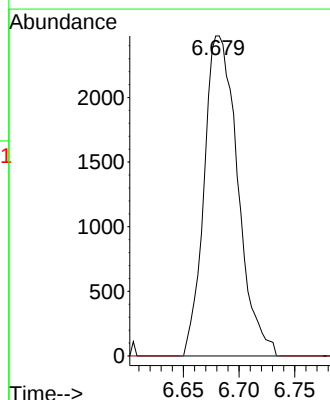
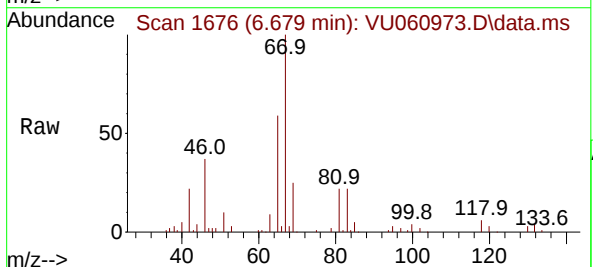
Instrument :
MSVOA_U
ClientSampleId :

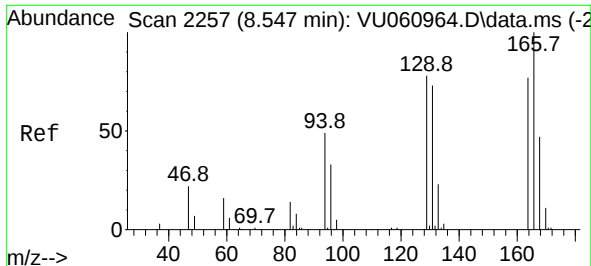
Tgt Ion: 83 Resp: 11755
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 37.6 56.4#



#37
1,2-Dichloropropane
Concen: 0.462 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.103 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

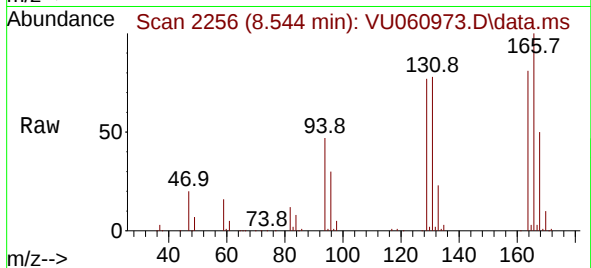
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Ion Ratio Lower Upper
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112 0.0 2.0 3.0#



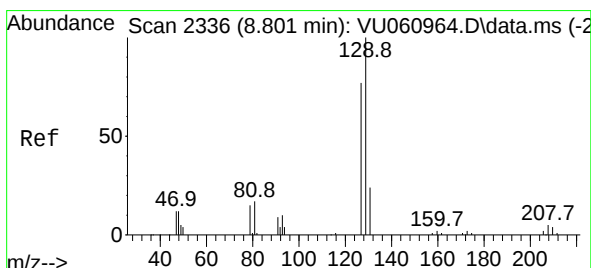
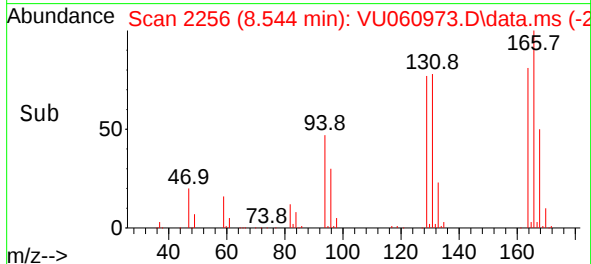
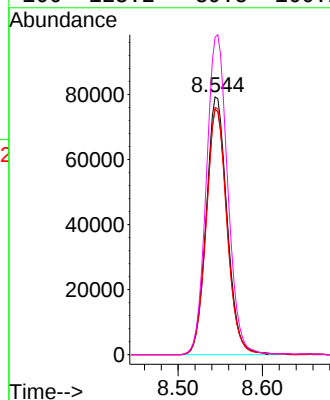


#47
Tetrachloroethene
Concen: 16.043 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

Instrument :
MSVOA_U
ClientSampleId :

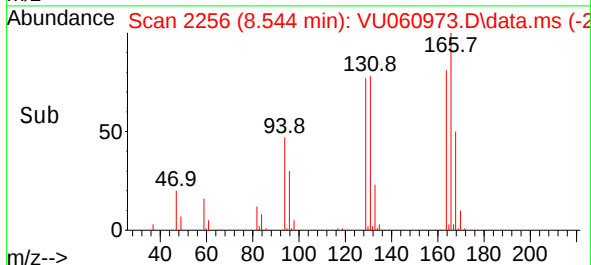
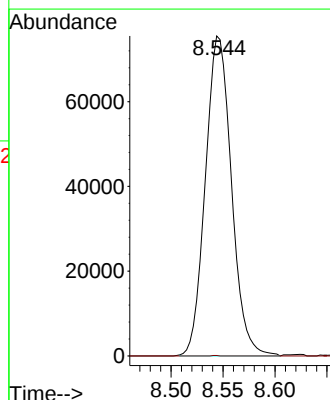
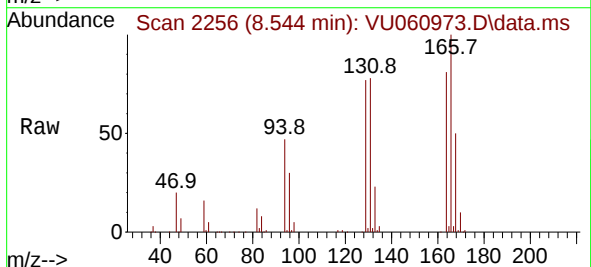


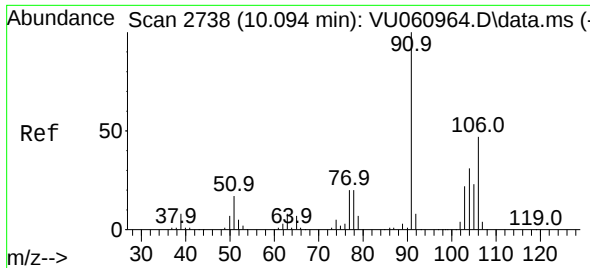
Tgt	Ion:164	Resp:	136482
Ion	Ratio	Lower	Upper
164	100		
129	95.2	67.3	124.9
131	95.9	65.4	121.4
166	123.2	89.5	166.1



#49
Dibromochloromethane
Concen: 14.243 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.257 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

Tgt Ion:129	Resp: 131720
Ion Ratio	Lower Upper
129 100	
127 0.2	56.1 104.1#

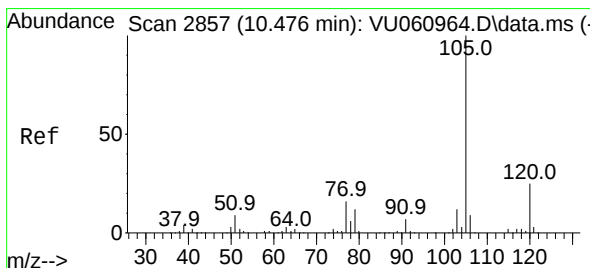
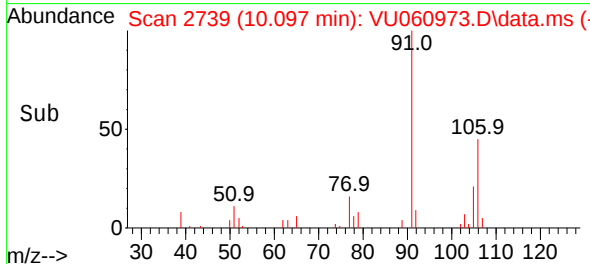
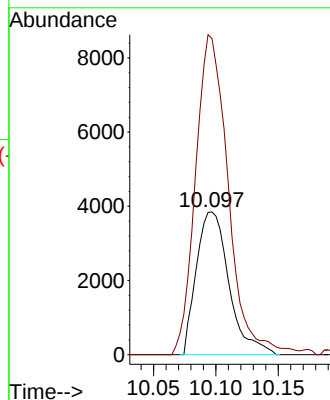
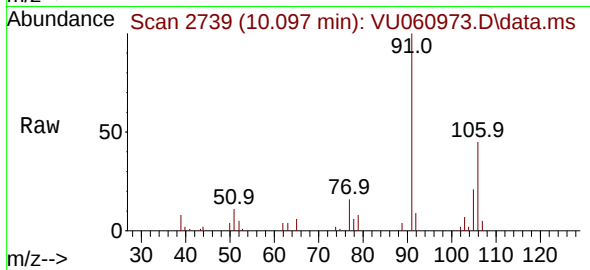




#54
o-Xylene
Concen: 0.417 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

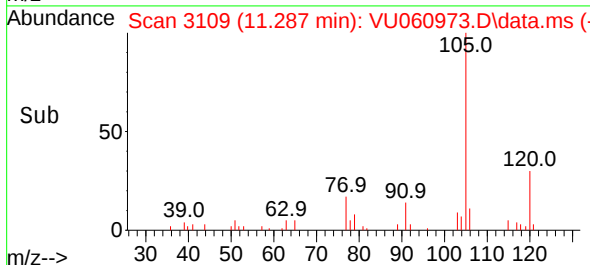
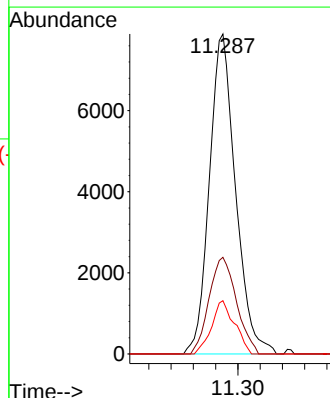
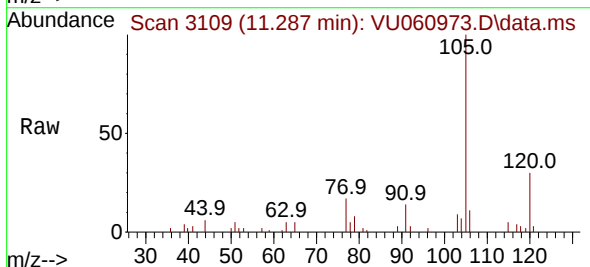
Instrument :
MSVOA_U
ClientSampleId :

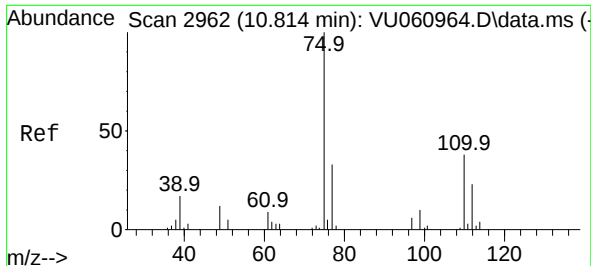
Tgt Ion:106 Resp: 7006
Ion Ratio Lower Upper
106 100
91 221.4 148.6 276.0



#60
Isopropylbenzene
Concen: 0.316 ug/L
RT: 11.287 min Scan# 3109
Delta R.T. 0.810 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

Tgt Ion:105 Resp: 12864
Ion Ratio Lower Upper
105 100
120 31.6 21.5 32.3
77 14.6 12.6 18.8

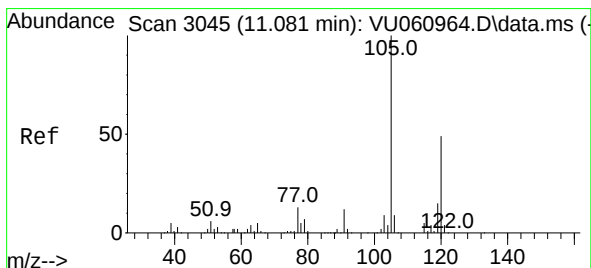
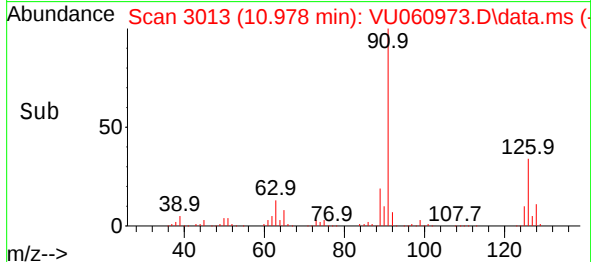
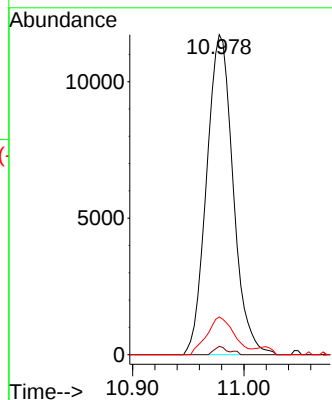
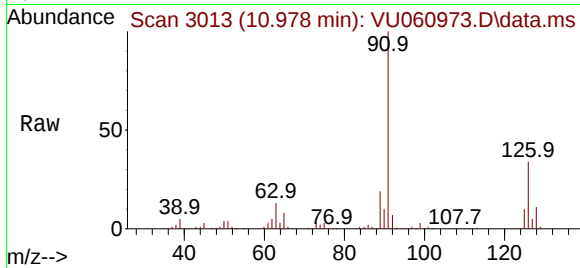




#61
1,2,3-Trichloropropane
Concen: 3.018 ug/L
RT: 10.978 min Scan# 3013
Delta R.T. 0.164 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

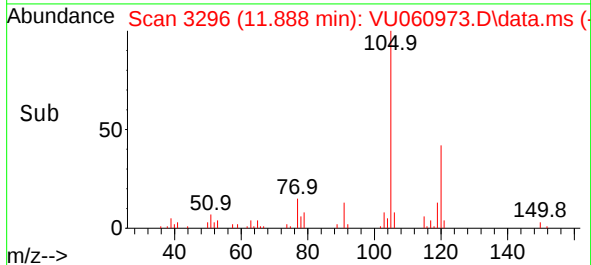
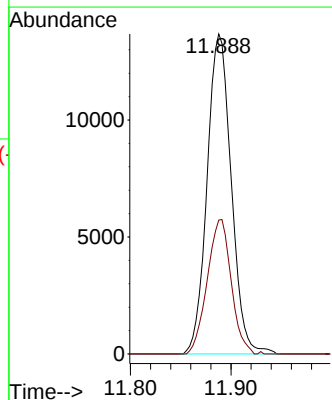
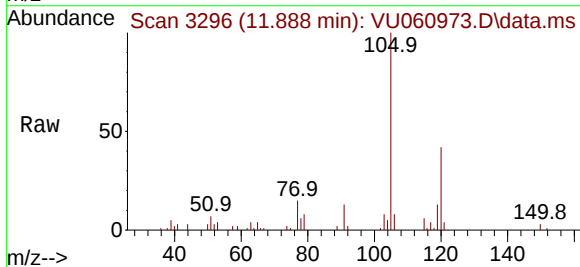
Instrument :
MSVOA_U
ClientSampleId :

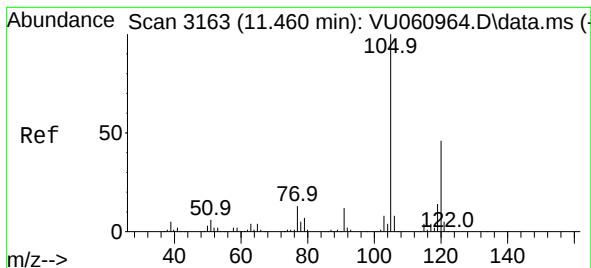
Tgt Ion: 75 Resp: 19368
Ion Ratio Lower Upper
75 100
110 1.4 28.6 43.0#
77 12.1 26.3 39.5#



#62
1,3,5-Trimethylbenzene
Concen: 0.720 ug/L
RT: 11.888 min Scan# 3296
Delta R.T. 0.807 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

Tgt Ion:105 Resp: 22813
Ion Ratio Lower Upper
105 100
120 41.6 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 0.729 ug/L

RT: 11.888 min Scan# 31

Delta R.T. 0.428 min

Lab File: VU060973.D

Acq: 23 Sep 2024 13:35

Instrument :

MSVOA_U

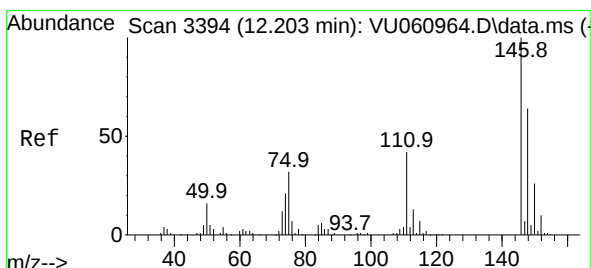
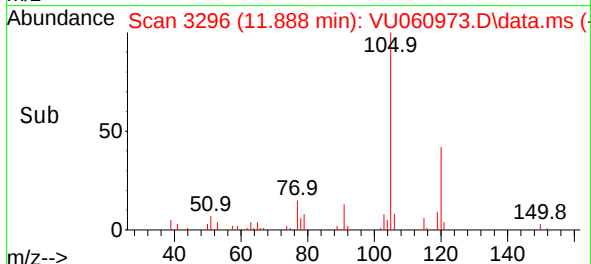
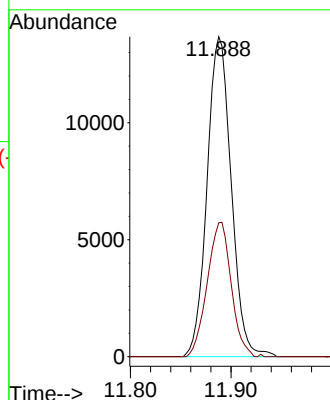
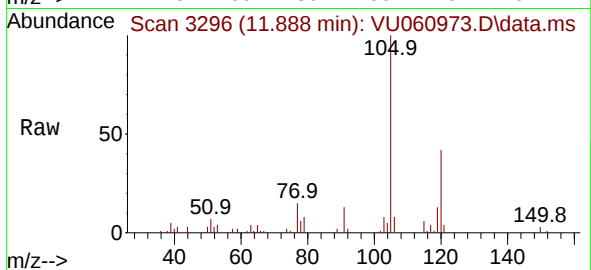
ClientSampleId :

Tgt Ion:105 Resp: 22813

Ion Ratio Lower Upper

105 100

120 41.6 36.1 54.1



#67

1,2-Dichlorobenzene

Concen: 0.984 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU060973.D

Acq: 23 Sep 2024 13:35

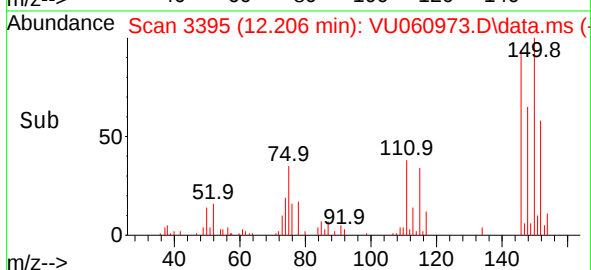
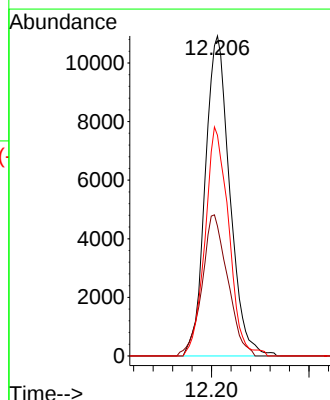
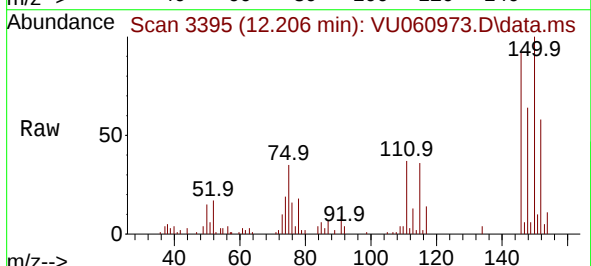
Tgt Ion:146 Resp: 19064

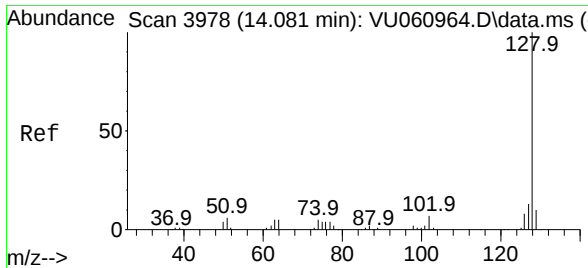
Ion Ratio Lower Upper

146 100

111 40.5 33.4 50.0

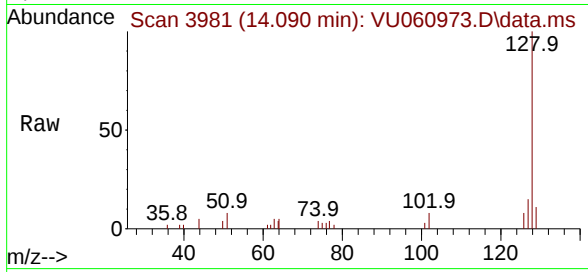
148 75.4 50.9 76.3





#71
Naphthalene
Concen: 1.093 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.010 min
Lab File: VU060973.D
Acq: 23 Sep 2024 13:35

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 15576
Ion Ratio Lower Upper
128 100
129 9.4 8.3 12.5
127 14.6 10.7 16.1

