

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
 Data File : VU063071.D
 Acq On : 28 Jan 2025 16:53
 Operator : MD/SY
 Sample : Q1174-07DL 5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:41:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	123990	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	116595	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	67996	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	13901	3.119	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.400%
7) Chloroethane-d5	1.904	69	11427	3.377	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.600%
11) 1,1-Dichloroethene-d2	2.557	65	9166	3.439	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.800%
20) 2-Butanone-d5	4.621	46	66781	51.623	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.240%
24) Chloroform-d	5.049	84	69159	3.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
26) 1,2-Dichloroethane-d4	5.692	65	43604	4.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
32) Benzene-d6	5.714	84	113529	4.261	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.679	67	31962	4.711	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.888	98	104762	3.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	8.171	79	18205	4.335	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	58992	56.294	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.580%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	32684	5.074	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.184	152	53812	4.421	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.596	62	4329	0.726	ug/L #	1
13) Acetone	2.634	43	13239	15.827	ug/L	61
14) Carbon disulfide	2.779	76	9122	0.553	ug/L	97
15) Methyl Acetate	2.949	43	1285	0.800	ug/L	90
19) 1,1-Dichloroethane	3.853	63	214143	17.922	ug/L	95
22) cis-1,2-Dichloroethene	4.653	96	13134	1.594	ug/L	91
33) Benzene	5.772	78	4055	0.144	ug/L	100
35) Methylcyclohexane	6.682	83	10100	0.835	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	4315	0.679	ug/L #	85
39) cis-1,3-Dichloropropene	7.550	75	1440	0.120	ug/L #	62
40) 4-Methyl-2-pentanone	7.785	43	6157	2.009	ug/L #	80
42) Toluene	7.959	91	14218	0.423	ug/L	95
52) Ethylbenzene	9.566	91	9010	0.230	ug/L	96
53) m,p-Xylene	9.688	106	10948	0.725	ug/L	94
54) o-Xylene	10.094	106	3246	0.234	ug/L	99
61) 1,2,3-Trichloropropane	11.804	75	5907	1.080	ug/L #	55
63) 1,2,4-Trimethylbenzene	11.460	105	6414	0.180	ug/L	92
71) Naphthalene	14.084	128	7005	0.399	ug/L	98

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MSVOA_U
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Quant Time: Jan 29 08:41:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

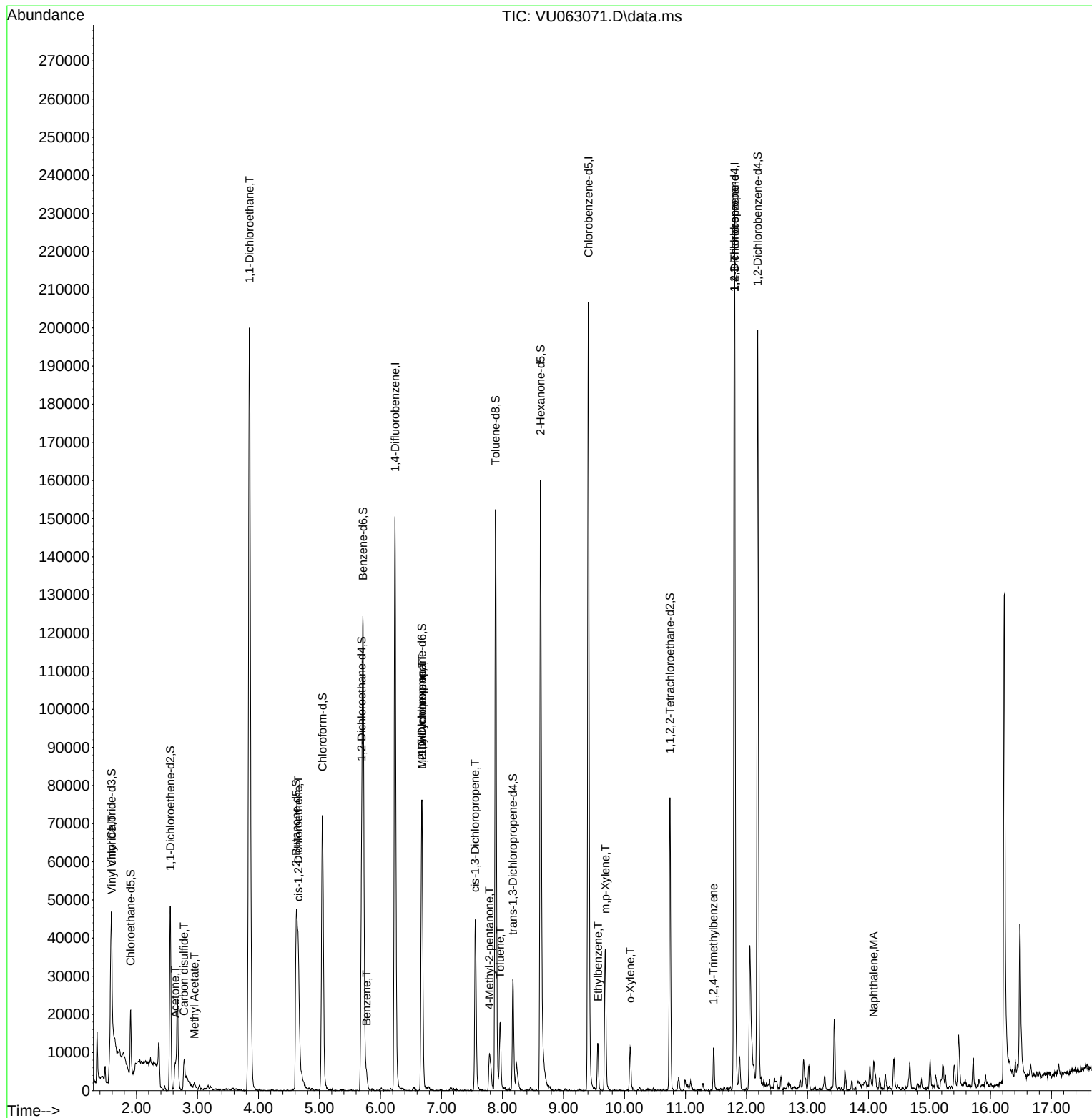
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

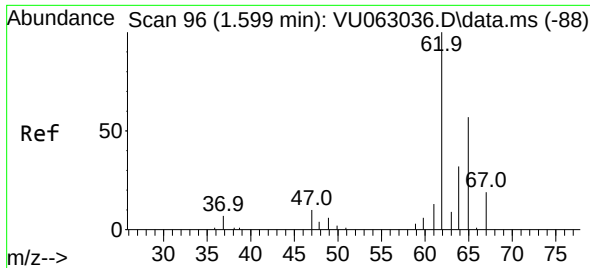
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Sample : Q1174-07DL 5X
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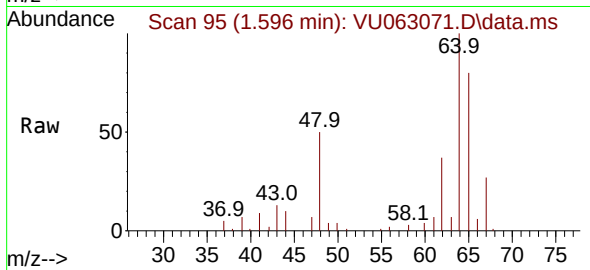
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Quant Title : TRACE VOA SFAM1.0
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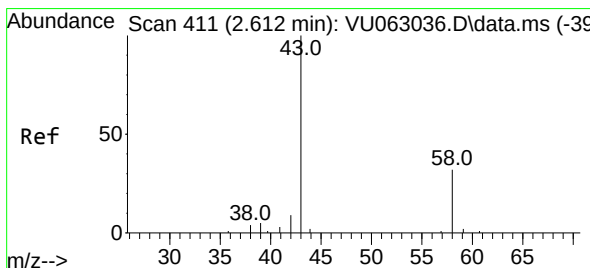
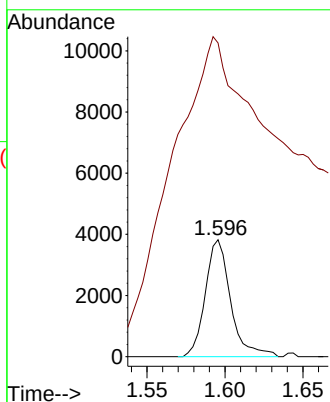
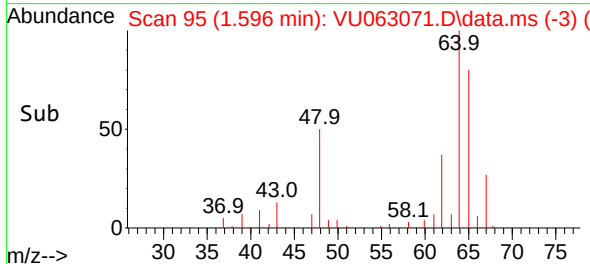


#5
 Vinyl chloride
 Concen: 0.726 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063071.D
 Acq: 28 Jan 2025 16:53

Instrument :
 MSVOA_U
 ClientSampleId :

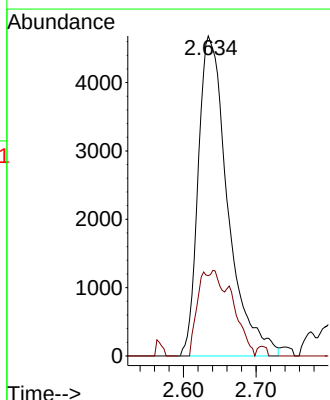
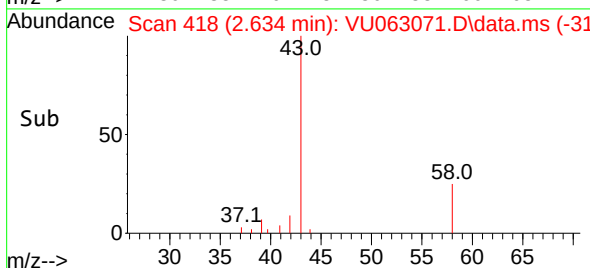
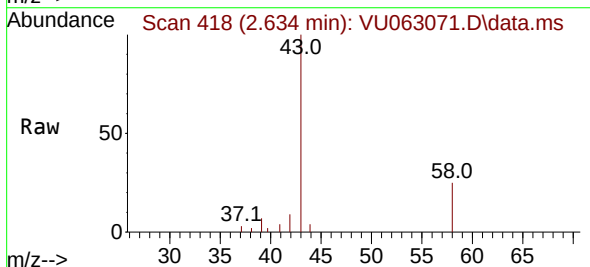


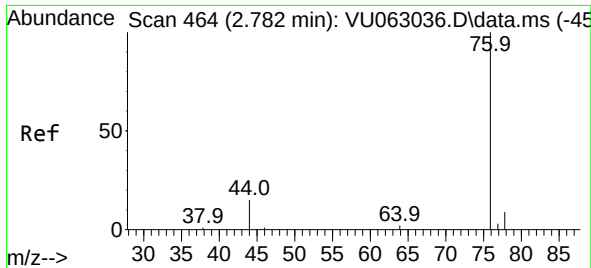
Tgt Ion: 62 Resp: 4329
 Ion Ratio Lower Upper
 62 100
 64 268.5 23.4 43.4#



#13
 Acetone
 Concen: 15.827 ug/L
 RT: 2.634 min Scan# 418
 Delta R.T. 0.023 min
 Lab File: VU063071.D
 Acq: 28 Jan 2025 16:53

Tgt Ion: 43 Resp: 13239
 Ion Ratio Lower Upper
 43 100
 58 10.5 0.0 64.4

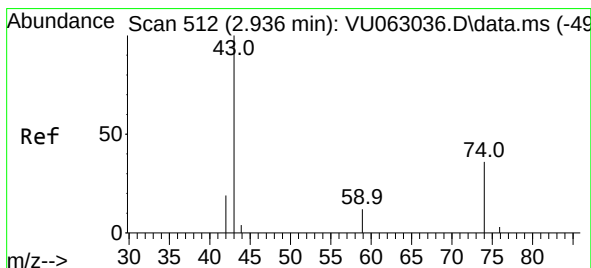
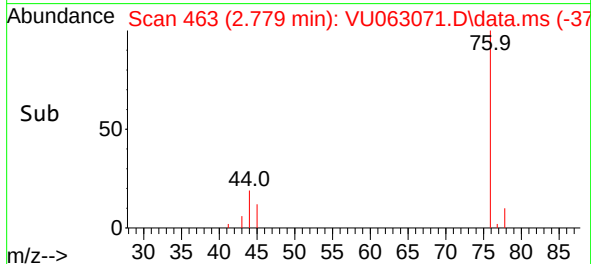
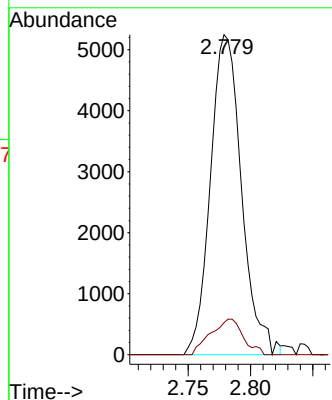
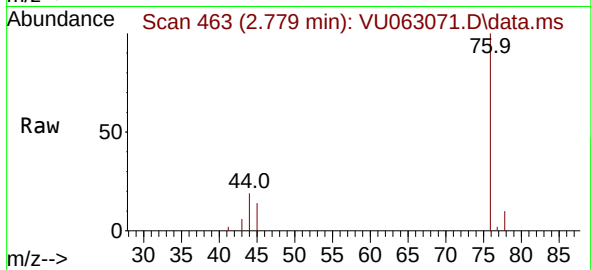




#14
Carbon disulfide
Concen: 0.553 ug/L
RT: 2.779 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

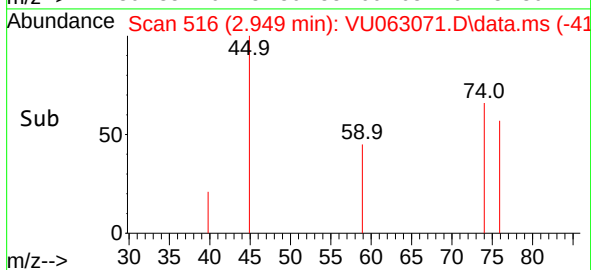
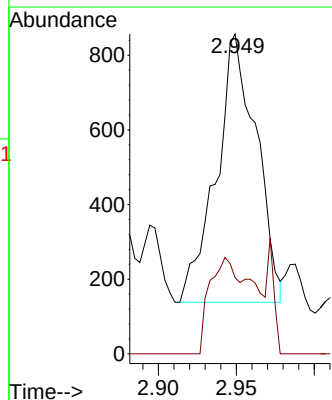
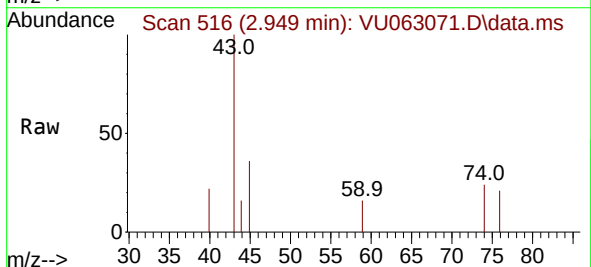
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MSVOA_U
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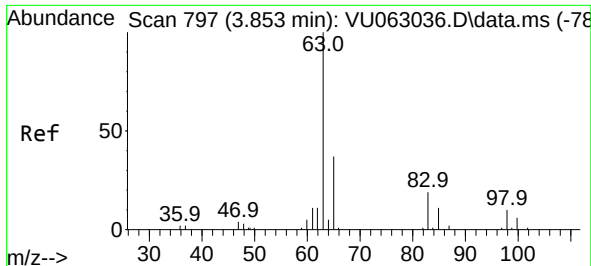
Tgt Ion: 76 Resp: 9122
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.6



#15
Methyl Acetate
Concen: 0.800 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.013 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
74 25.1 24.4 36.6





#19

1,1-Dichloroethane

Concen: 17.922 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU063071.D

Acq: 28 Jan 2025 16:53

Instrument :

MSVOA_U

ClientSampleId :

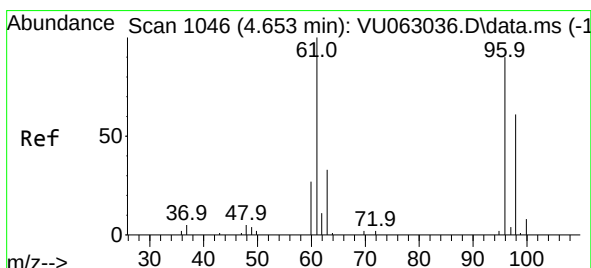
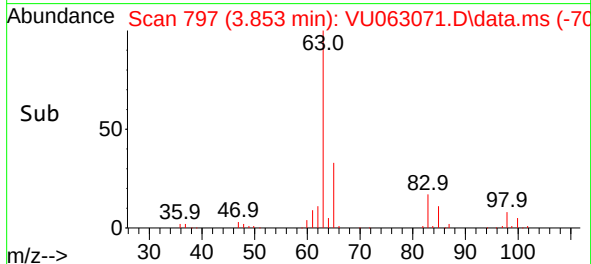
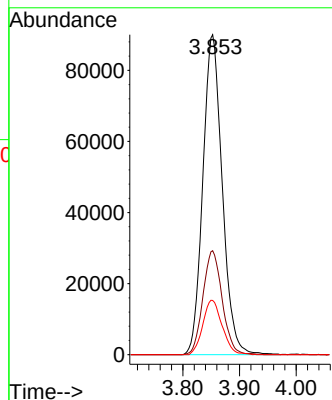
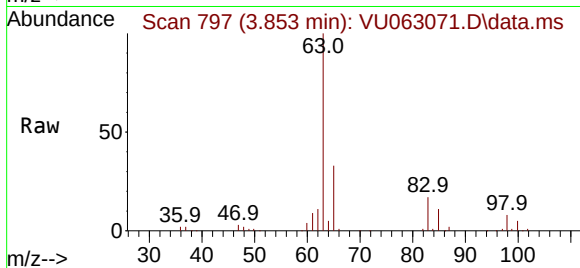
Tgt Ion: 63 Resp: 214143

Ion Ratio Lower Upper

63 100

65 32.5 20.7 38.5

83 16.9 10.5 19.5



#22

cis-1,2-Dichloroethene

Concen: 1.594 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU063071.D

Acq: 28 Jan 2025 16:53

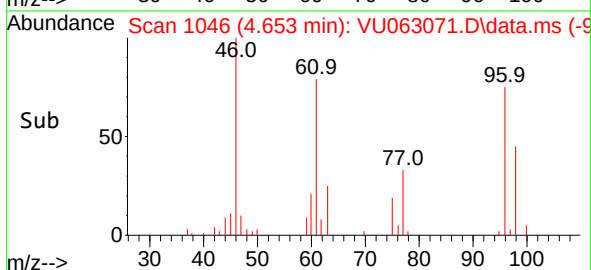
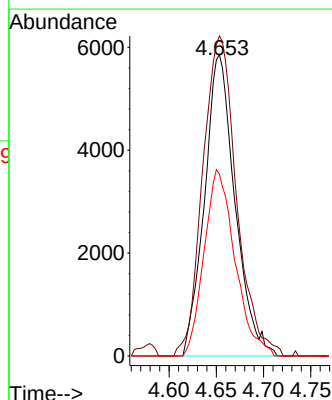
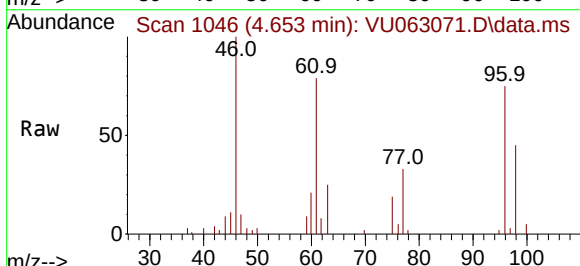
Tgt Ion: 96 Resp: 13134

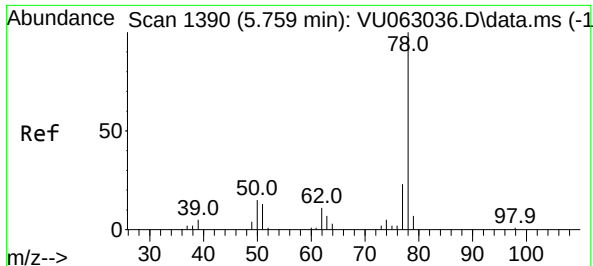
Ion Ratio Lower Upper

96 100

61 106.2 84.8 157.6

98 60.3 43.1 80.1

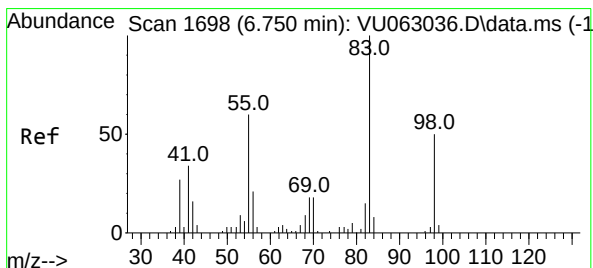
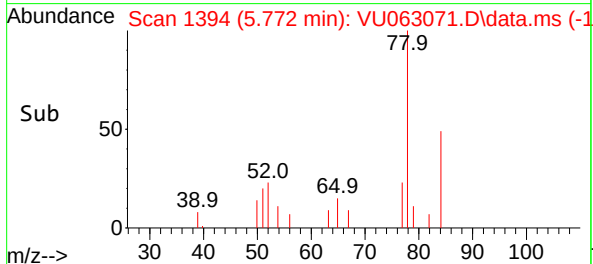
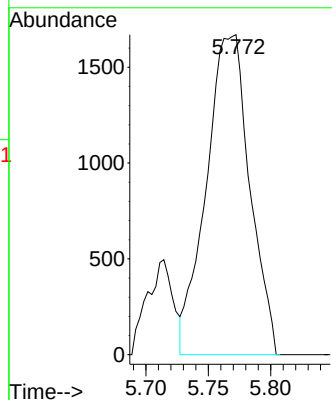
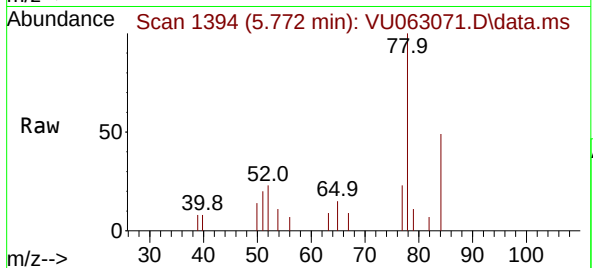




#33
Benzene
Concen: 0.144 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

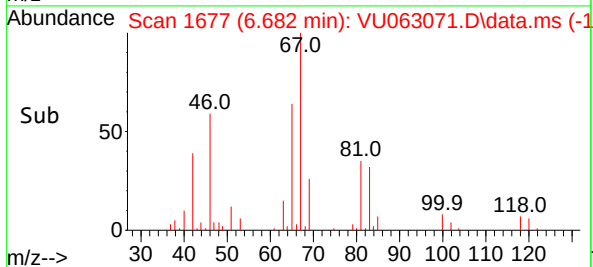
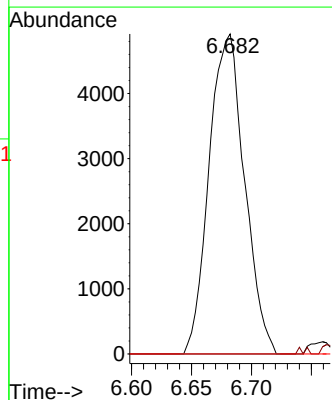
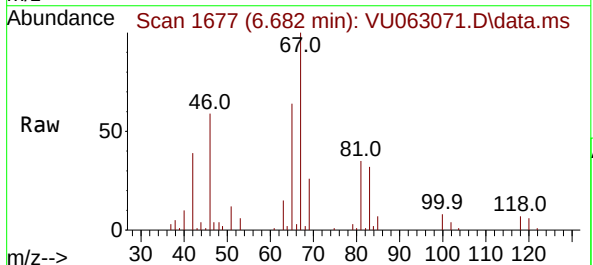
Instrument :
MSVOA_U
ClientSampleId :

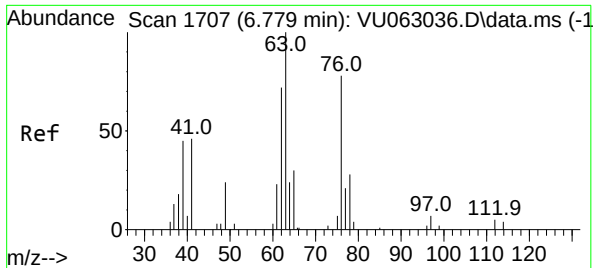
Tgt Ion: 78 Resp: 4055



#35
Methylcyclohexane
Concen: 0.835 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.071 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

Tgt Ion: 83 Resp: 10100
Ion Ratio Lower Upper
83 100
55 0.4 57.2 85.8#
98 0.0 36.6 55.0#

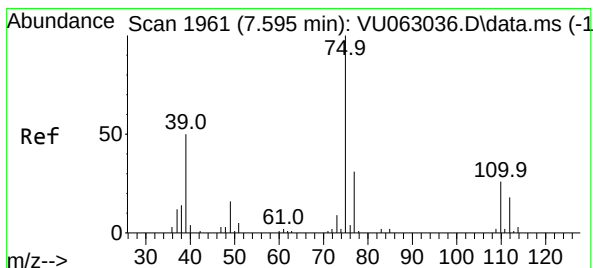
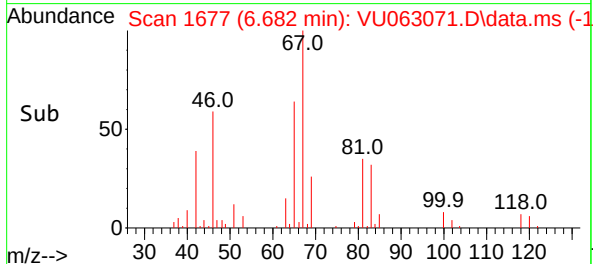
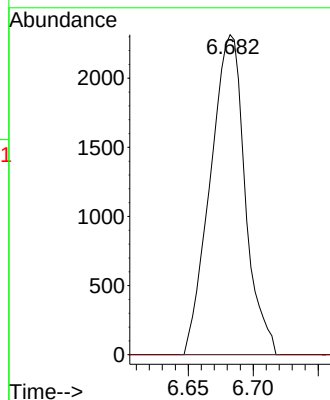
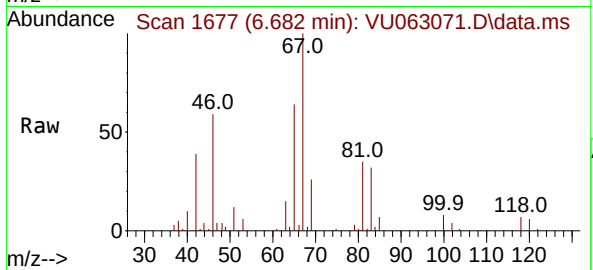




#37
1,2-Dichloropropane
Concen: 0.679 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

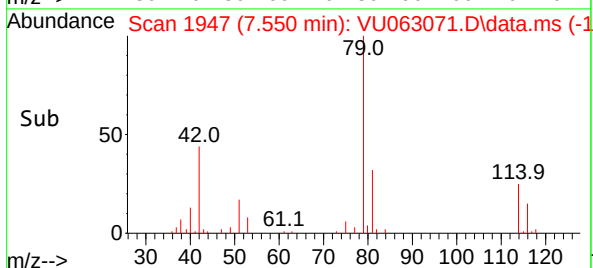
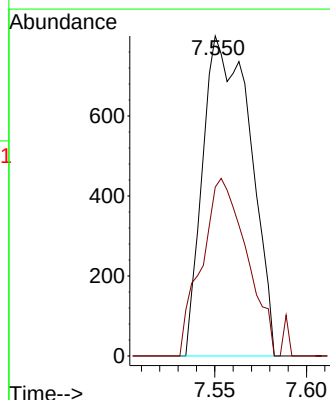
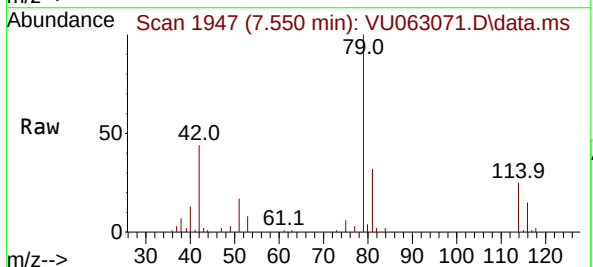
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ClientSampleId :

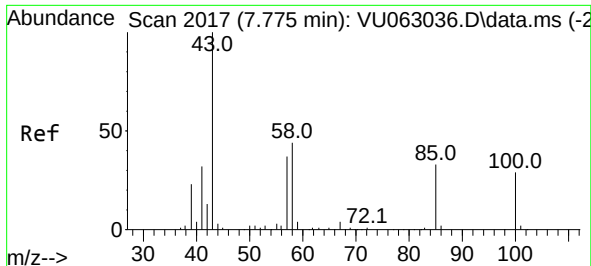
Tgt Ion: 63 Resp: 4315
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#39
cis-1,3-Dichloropropene
Concen: 0.120 ug/L
RT: 7.550 min Scan# 1947
Delta R.T. -0.045 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

Tgt Ion: 75 Resp: 1440
Ion Ratio Lower Upper
75 100
77 52.8 22.3 41.3#





#40

4-Methyl-2-pentanone

Concen: 2.009 ug/L

RT: 7.785 min Scan# 2017

Delta R.T. 0.010 min

Lab File: VU063071.D

Acq: 28 Jan 2025 16:53

Instrument :

MSVOA_U

ClientSampleId :

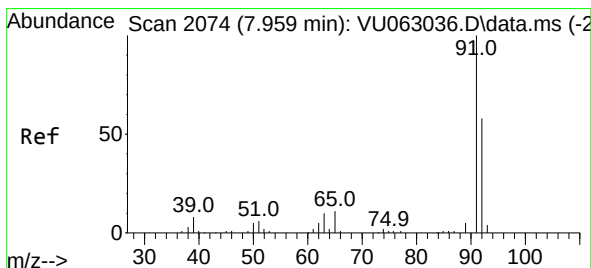
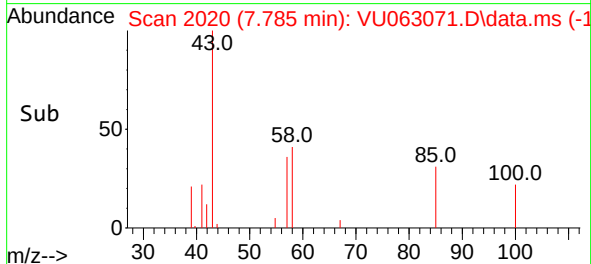
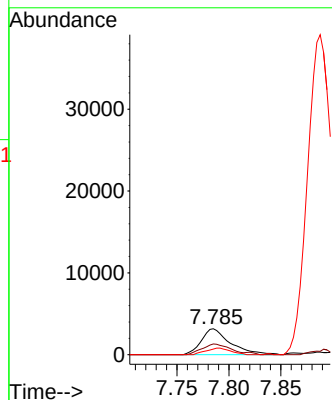
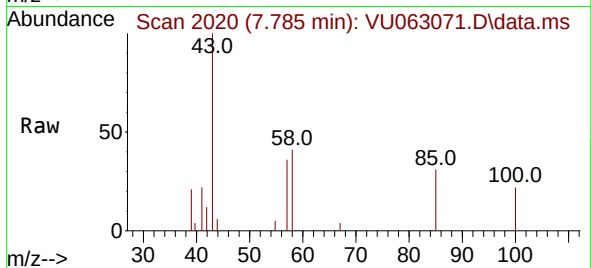
Tgt Ion: 43 Resp: 6157

Ion Ratio Lower Upper

43 100

58 39.1 35.8 53.8

100 0.0 16.8 25.2#



#42

Toluene

Concen: 0.423 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063071.D

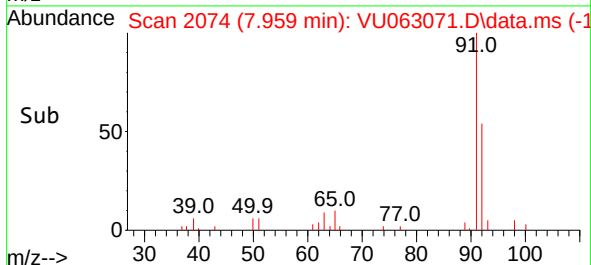
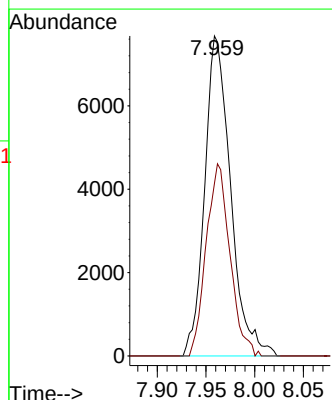
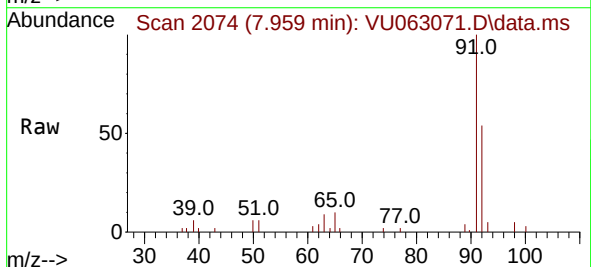
Acq: 28 Jan 2025 16:53

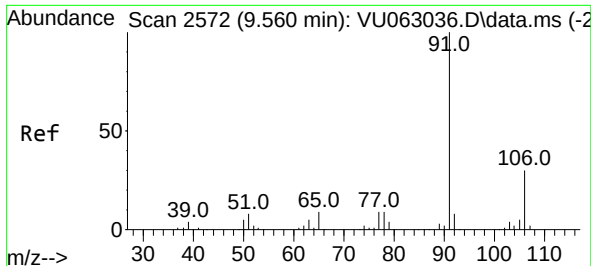
Tgt Ion: 91 Resp: 14218

Ion Ratio Lower Upper

91 100

92 53.9 40.4 75.0

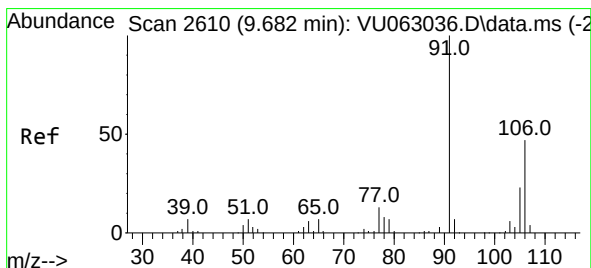
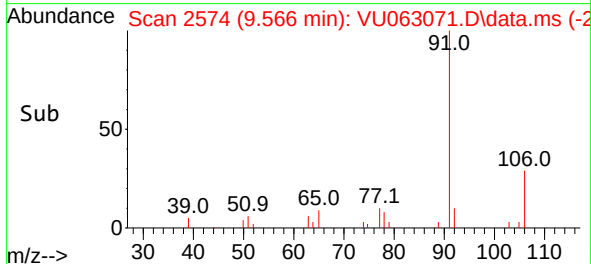
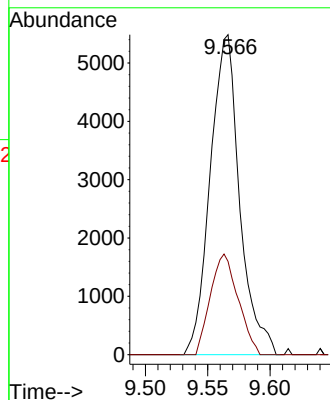
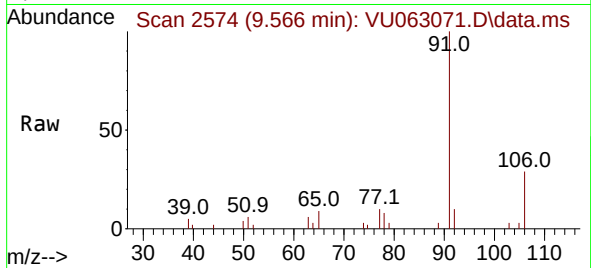




#52
Ethylbenzene
Concen: 0.230 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

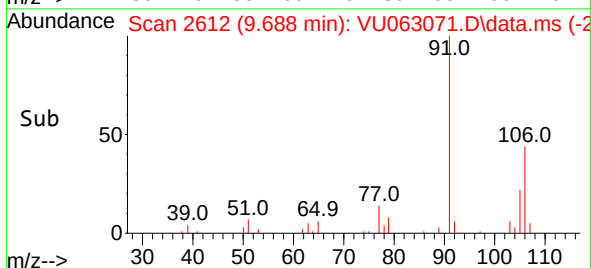
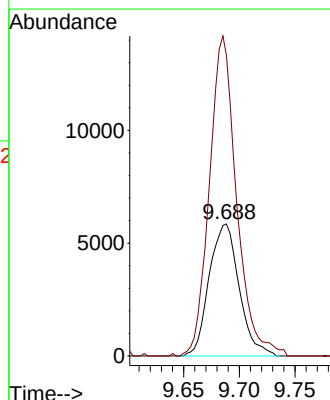
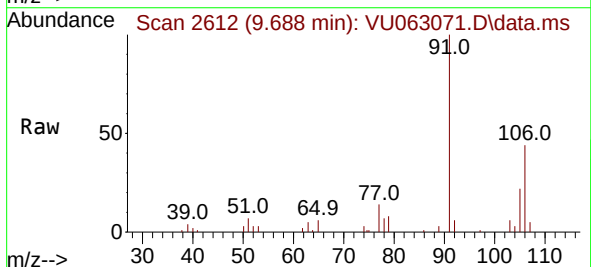
Instrument :
MSVOA_U
ClientSampleId :

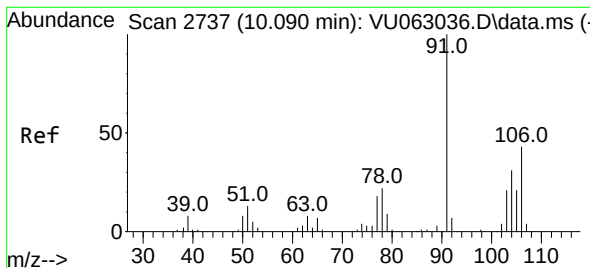
Tgt Ion: 91 Resp: 9010
Ion Ratio Lower Upper
91 100
106 29.2 21.9 40.7



#53
m,p-Xylene
Concen: 0.725 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

Tgt Ion:106 Resp: 10948
Ion Ratio Lower Upper
106 100
91 227.7 153.1 284.3





#54

o-Xylene

Concen: 0.234 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063071.D

Acq: 28 Jan 2025 16:53

Instrument :

MSVOA_U

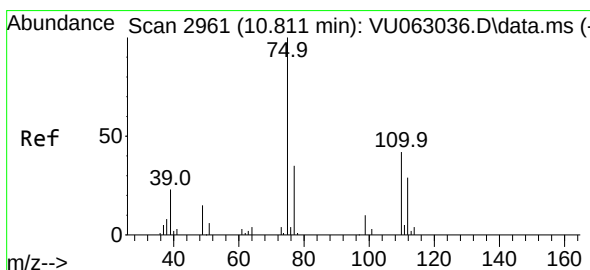
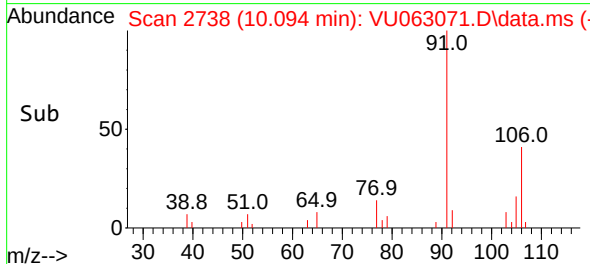
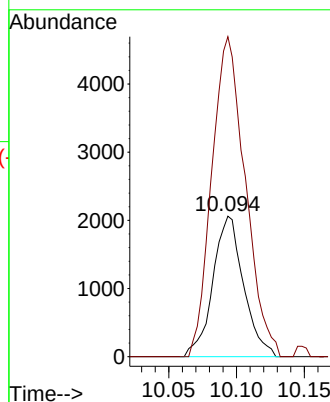
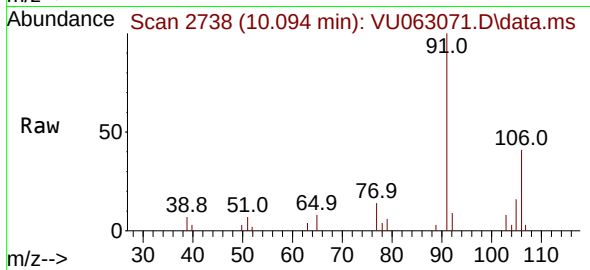
ClientSampleId :

Tgt Ion:106 Resp: 3246

Ion Ratio Lower Upper

106 100

91 227.9 160.4 297.8



#61

1,2,3-Trichloropropane

Concen: 1.080 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.994 min

Lab File: VU063071.D

Acq: 28 Jan 2025 16:53

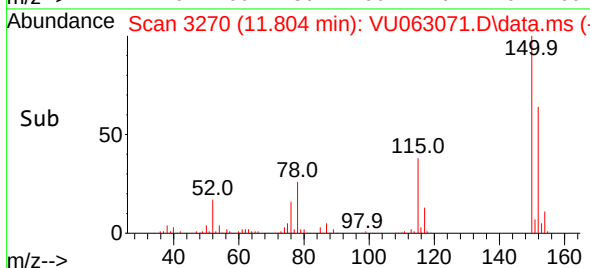
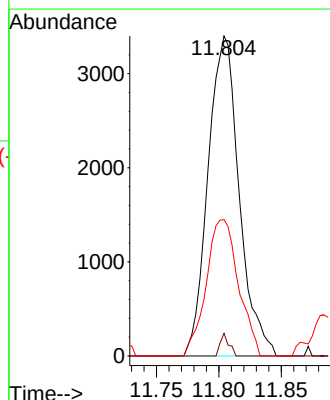
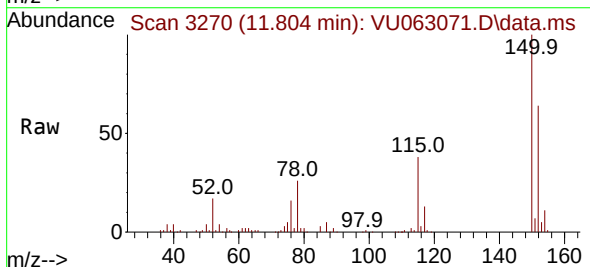
Tgt Ion: 75 Resp: 5907

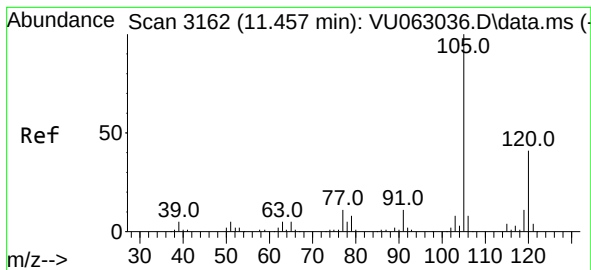
Ion Ratio Lower Upper

75 100

110 1.9 33.2 49.8#

77 44.1 25.9 38.9#

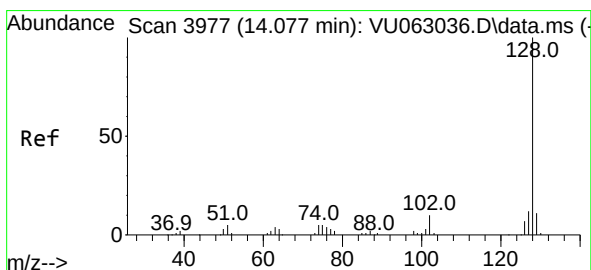
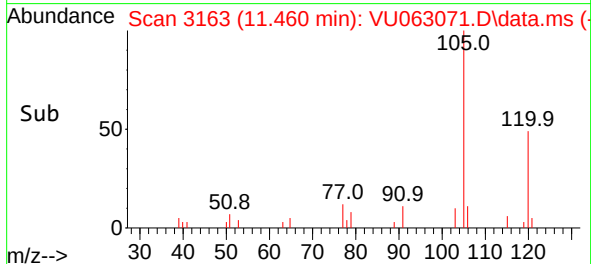
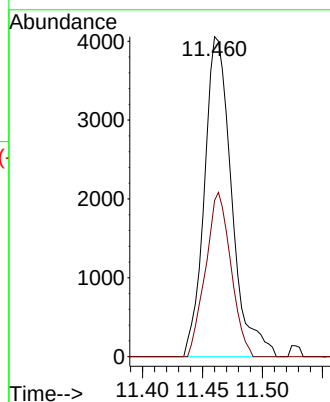
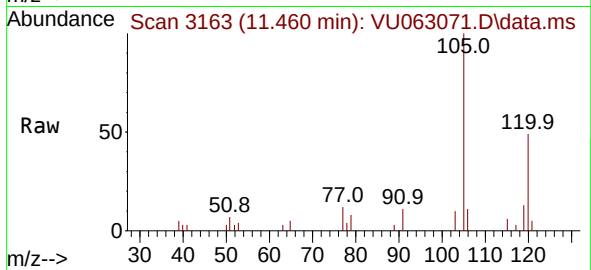




#63
1,2,4-Trimethylbenzene
Concen: 0.180 ug/L
RT: 11.460 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 6414
Ion Ratio Lower Upper
105 100
120 47.5 34.2 51.2



#71
Naphthalene
Concen: 0.399 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU063071.D
Acq: 28 Jan 2025 16:53

Tgt Ion:128 Resp: 7005
Ion Ratio Lower Upper
128 100
129 9.5 8.5 12.7
127 13.3 10.2 15.2

