

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012925\
 Data File : VU063085.D
 Acq On : 29 Jan 2025 11:35
 Operator : MD/SY
 Sample : Q1195-14DL 5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 30 07:34:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 30 07:33:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.296	114	90644	5.000	ug/L	0.06
28) Chlorobenzene-d5	9.422	117	82514	5.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.807	152	53988	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.637	65	10039	3.081	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.600%
7) Chloroethane-d5	1.952	69	8558	3.459	ug/L	0.05
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.200%
11) 1,1-Dichloroethene-d2	2.608	65	5740	2.946	ug/L	0.05
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.000%#
20) 2-Butanone-d5	4.743	46	12125	12.821	ug/L	0.13
Spiked Amount	50.000	Range	40 - 130	Recovery	=	25.640%#
24) Chloroform-d	5.123	84	48784	3.769	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
26) 1,2-Dichloroethane-d4	5.769	65	28794	3.897	ug/L	0.08
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
32) Benzene-d6	5.788	84	73226	3.884	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
36) 1,2-Dichloropropane-d6	6.727	67	18397	3.832	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.600%
41) Toluene-d8	7.914	98	76372	4.097	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.000%
43) trans-1,3-Dichloroprop...	8.197	79	12022	4.045	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.647	63	29509	39.790	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.580%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	18697	4.101	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	40115	4.151	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.000%
Target Compounds						Qvalue
3) Chloromethane	1.621	50	7106	1.819	ug/L #	76
14) Carbon disulfide	2.833	76	16612	1.377	ug/L	97
16) Methylene chloride	3.097	84	788	0.159	ug/L #	60
19) 1,1-Dichloroethane	3.911	63	7666	0.878	ug/L #	93
34) Trichloroethene	6.296	95	3397	0.500	ug/L #	5
35) Methylcyclohexane	6.730	83	6600	0.771	ug/L #	21
37) 1,2-Dichloropropane	6.727	63	2992	0.665	ug/L #	85
39) cis-1,3-Dichloropropene	7.589	75	1093	0.129	ug/L #	83
40) 4-Methyl-2-pentanone	7.827	43	3206	1.478	ug/L #	66
42) Toluene	7.988	91	109682	4.616	ug/L	98
52) Ethylbenzene	9.573	91	51869	1.873	ug/L	98
53) m,p-Xylene	9.692	106	65623	6.136	ug/L	99
54) o-Xylene	10.100	106	43207	4.410	ug/L	97
55) Styrene	10.110	104	4857	0.293	ug/L #	1
61) 1,2,3-Trichloropropane	10.097	75	1401	0.322	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.087	105	5438	0.181	ug/L	88
63) 1,2,4-Trimethylbenzene	11.463	105	13481	0.475	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	1984	0.121	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.833	180	4220	0.304	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012925\
Data File : VU063085.D
Acq On : 29 Jan 2025 11:35
Operator : MD/SY
Sample : Q1195-14DL 5X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 30 07:34:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 30 07:33:13 2025
Response via : Initial Calibration

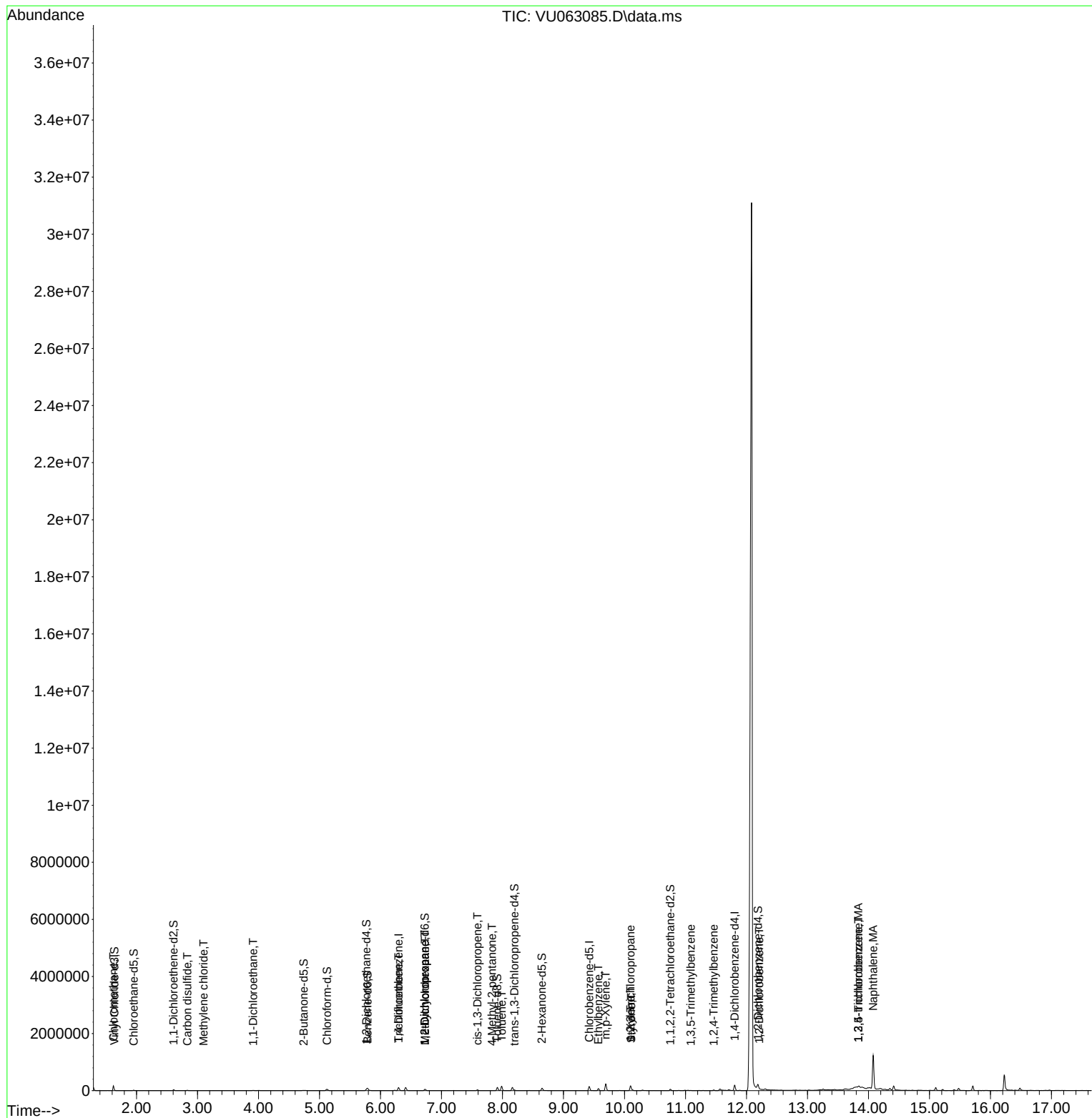
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.833	180	4220	0.389	ug/L #	91
71) Naphthalene	14.077	128	952535	68.360	ug/L	99

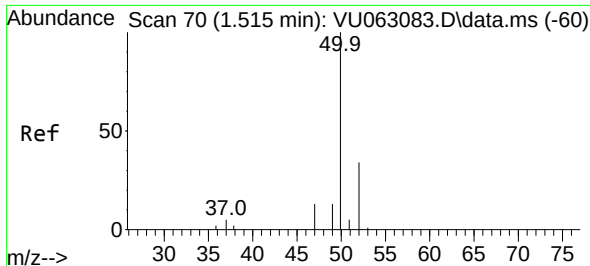
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012925\
Data File : VU063085.D
Acq On : 29 Jan 2025 11:35
Operator : MD/SY
Sample : Q1195-14DL 5X
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 30 07:34:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 30 07:33:13 2025
Response via : Initial Calibration

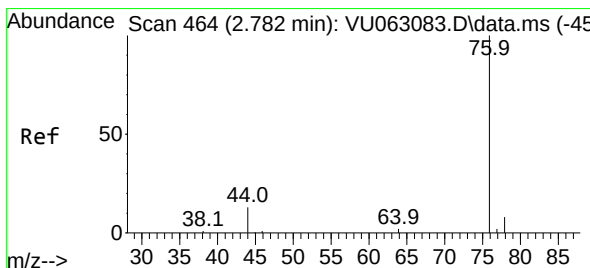
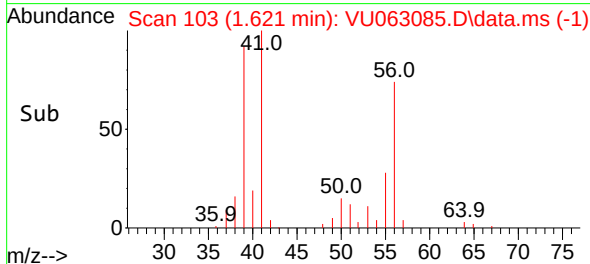
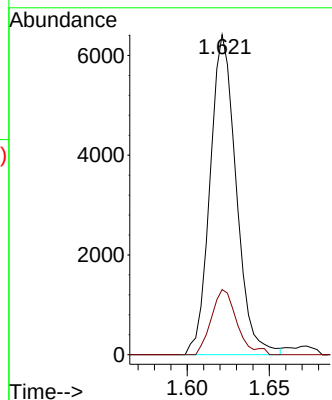
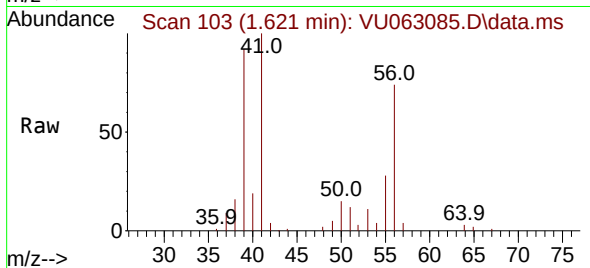




#3
Chloromethane
Concen: 1.819 ug/L
RT: 1.621 min Scan# 103
Delta R.T. 0.106 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

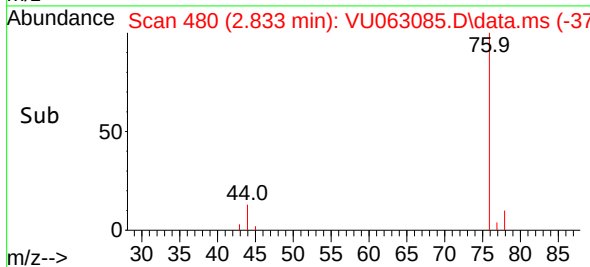
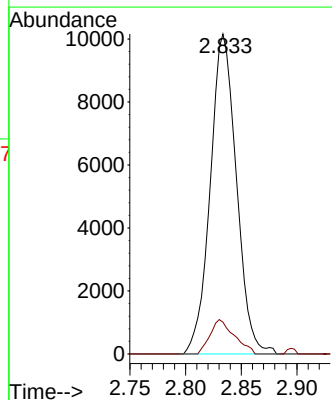
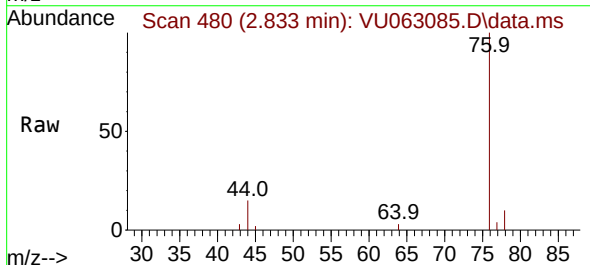
Instrument :
MSVOA_U
ClientSampleId :

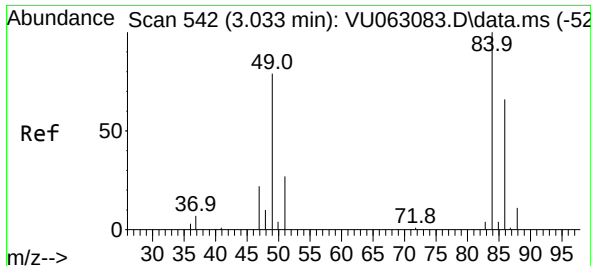
Tgt Ion: 50 Resp: 7106
Ion Ratio Lower Upper
50 100
52 20.4 24.1 44.7#



#14
Carbon disulfide
Concen: 1.377 ug/L
RT: 2.833 min Scan# 480
Delta R.T. 0.051 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

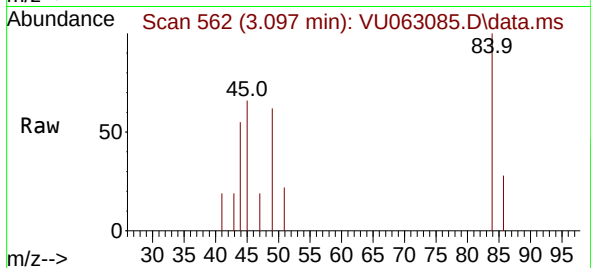
Tgt Ion: 76 Resp: 16612
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.6



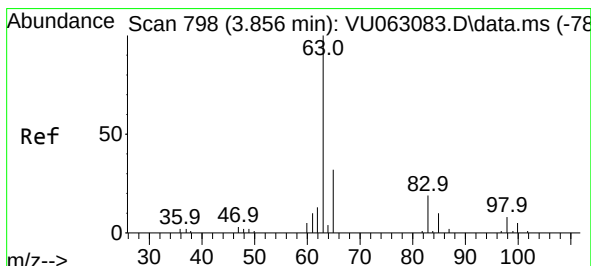
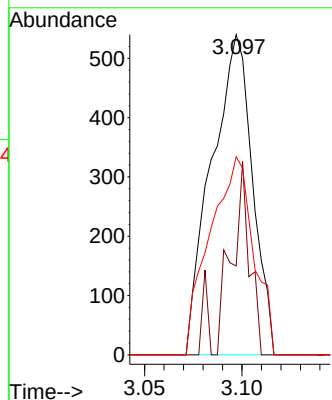
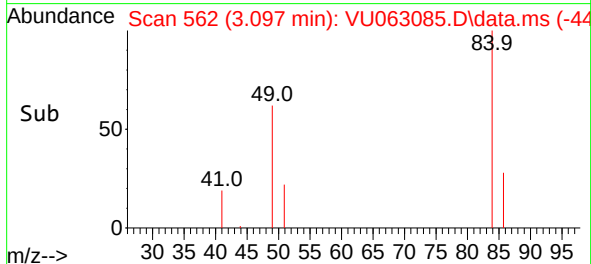


#16
Methylene chloride
Concen: 0.159 ug/L
RT: 3.097 min Scan# 50
Delta R.T. 0.064 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

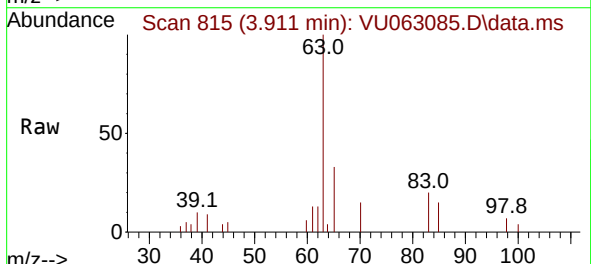
Instrument :
MSVOA_U
ClientSampleId :



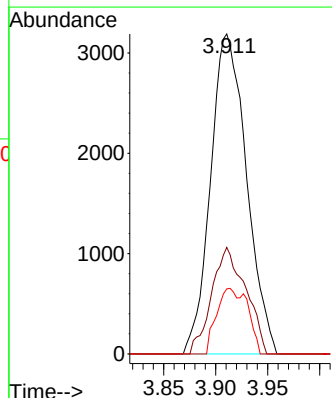
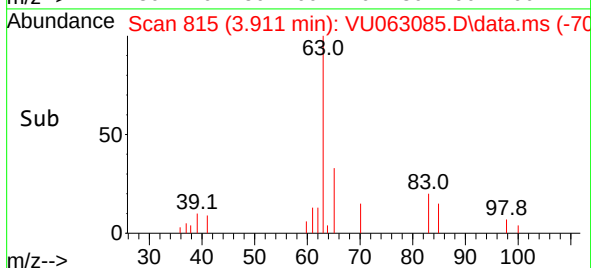
Tgt Ion: 84 Resp: 788
Ion Ratio Lower Upper
84 100
86 27.8 44.7 83.1#
49 61.9 68.3 126.9#

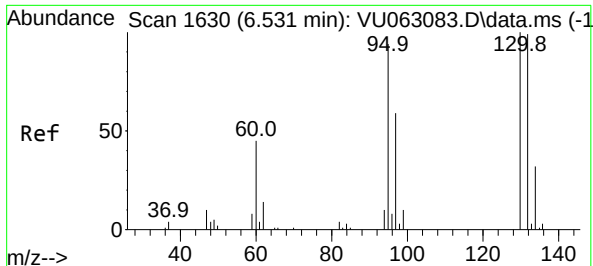


#19
1,1-Dichloroethane
Concen: 0.878 ug/L
RT: 3.911 min Scan# 815
Delta R.T. 0.055 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35



Tgt Ion: 63 Resp: 7666
Ion Ratio Lower Upper
63 100
65 32.0 20.7 38.5
83 19.5 10.5 19.5#





#34

Trichloroethene

Concen: 0.500 ug/L

RT: 6.296 min Scan# 1

Delta R.T. -0.235 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 3397

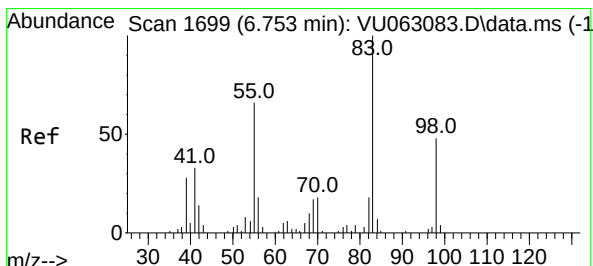
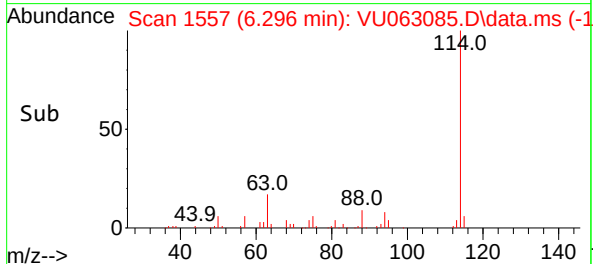
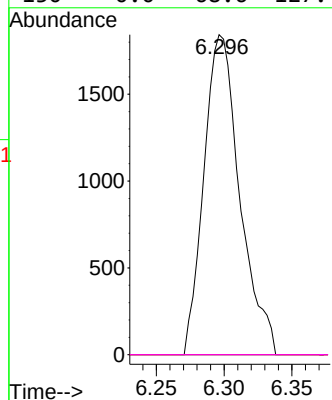
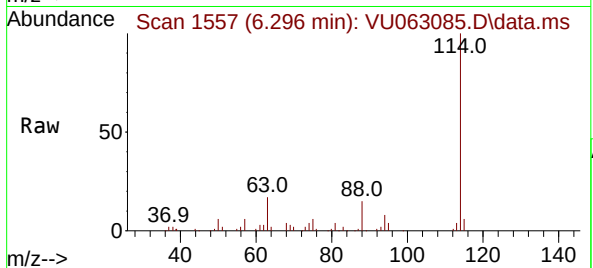
Ion Ratio Lower Upper

95 100

97 0.0 47.5 88.3#

132 0.0 66.9 124.3#

130 0.0 68.6 127.4#



#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.730 min Scan# 1692

Delta R.T. -0.023 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

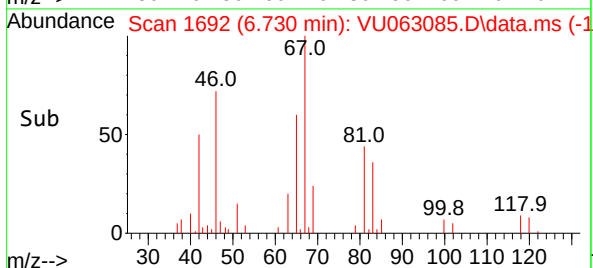
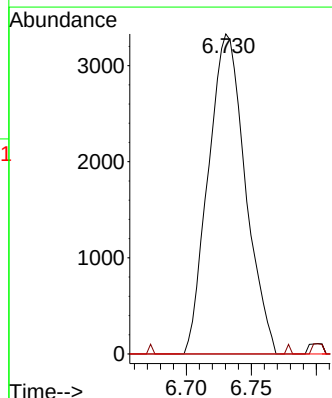
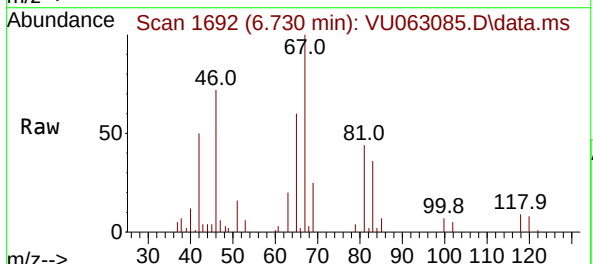
Tgt Ion: 83 Resp: 6600

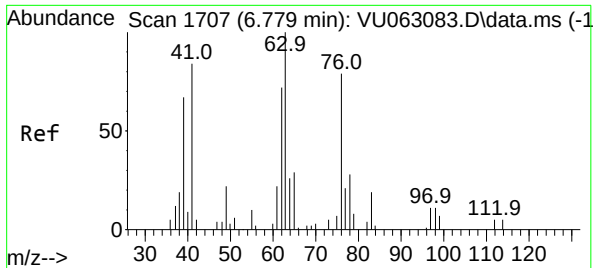
Ion Ratio Lower Upper

83 100

55 0.3 57.2 85.8#

98 0.0 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.665 ug/L

RT: 6.727 min Scan# 1

Delta R.T. -0.052 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

Instrument :

MSVOA_U

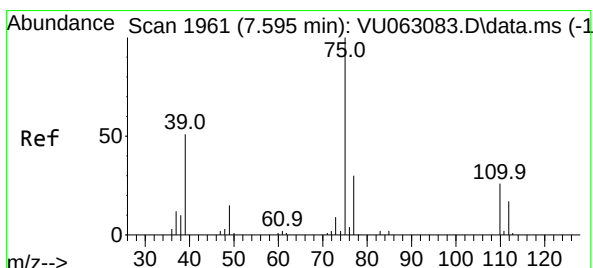
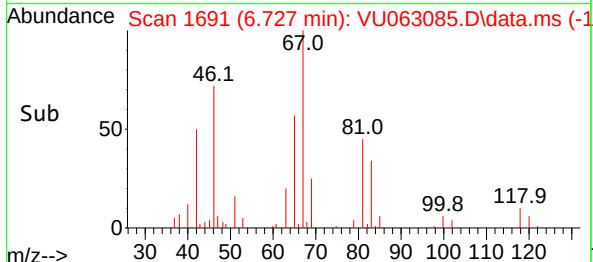
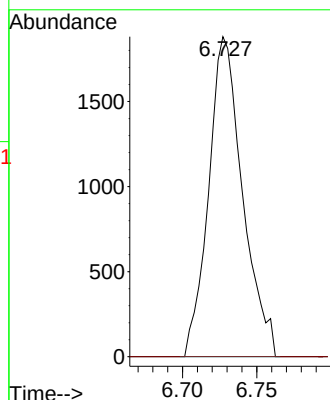
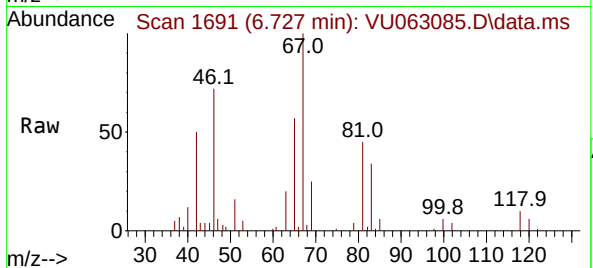
ClientSampleId :

Tgt Ion: 63 Resp: 2992

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.129 ug/L

RT: 7.589 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VU063085.D

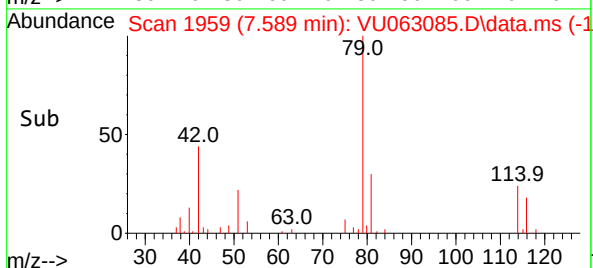
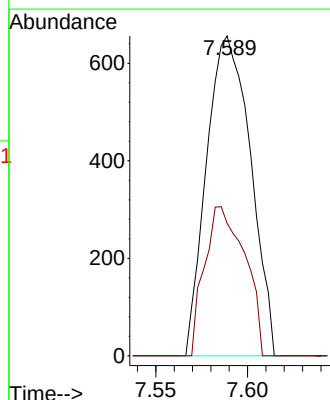
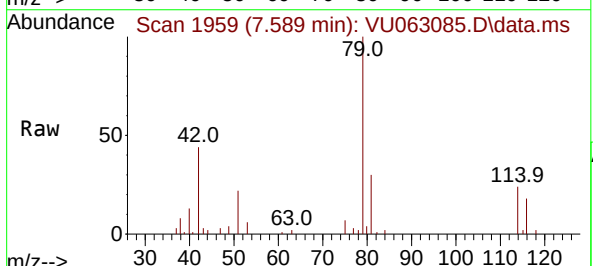
Acq: 29 Jan 2025 11:35

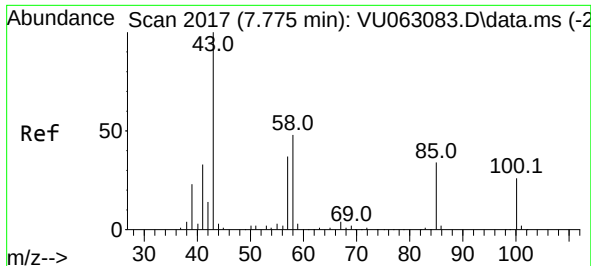
Tgt Ion: 75 Resp: 1093

Ion Ratio Lower Upper

75 100

77 41.5 22.3 41.3#





#40

4-Methyl-2-pentanone

Concen: 1.478 ug/L

RT: 7.827 min Scan# 20

Delta R.T. 0.051 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

Instrument :

MSVOA_U

ClientSampleId :

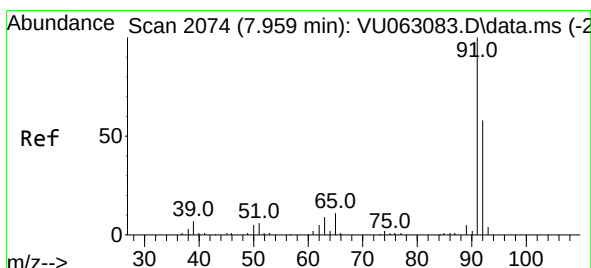
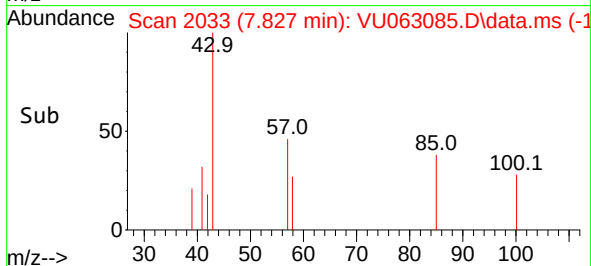
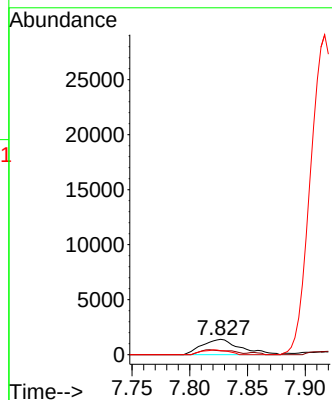
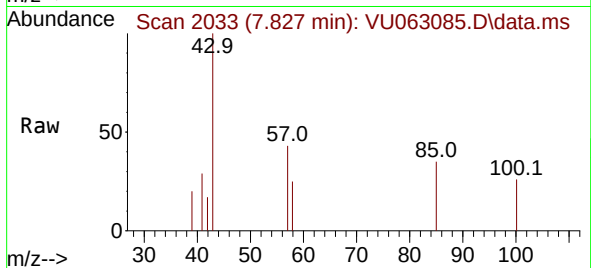
Tgt Ion: 43 Resp: 3206

Ion Ratio Lower Upper

43 100

58 26.0 35.8 53.8#

100 0.0 16.8 25.2#



#42

Toluene

Concen: 4.616 ug/L

RT: 7.988 min Scan# 2083

Delta R.T. 0.029 min

Lab File: VU063085.D

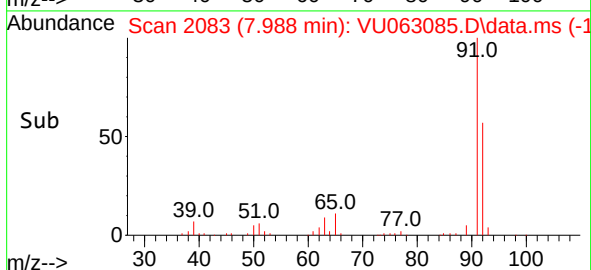
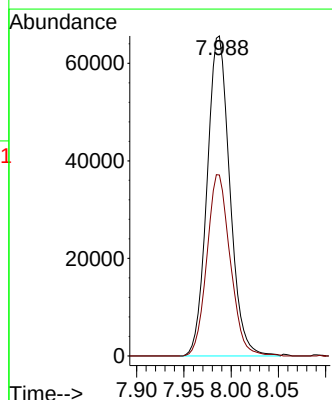
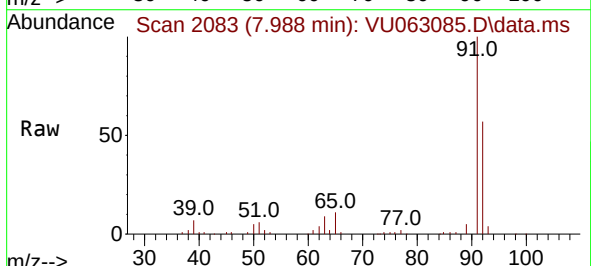
Acq: 29 Jan 2025 11:35

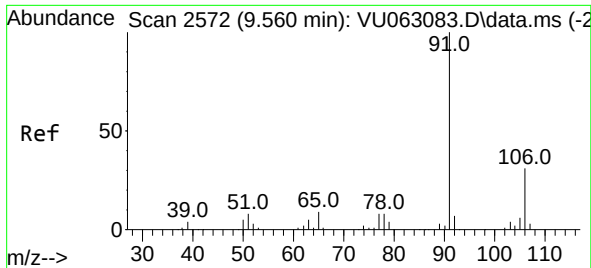
Tgt Ion: 91 Resp: 109682

Ion Ratio Lower Upper

91 100

92 56.6 40.4 75.0

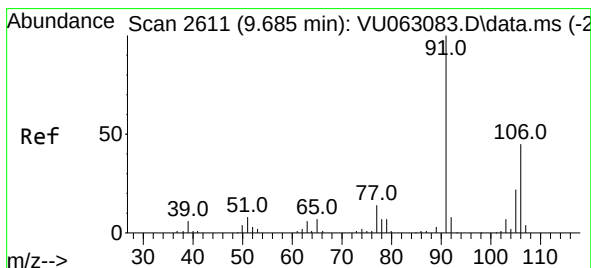
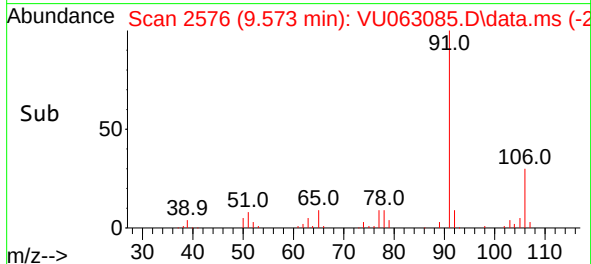
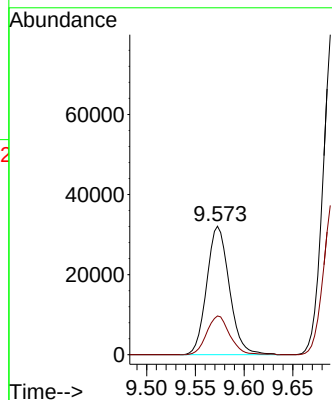
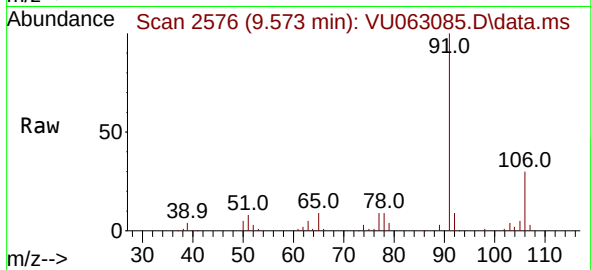




#52
Ethylbenzene
Concen: 1.873 ug/L
RT: 9.573 min Scan# 2572
Delta R.T. 0.013 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

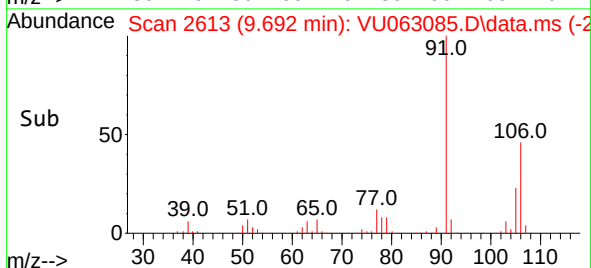
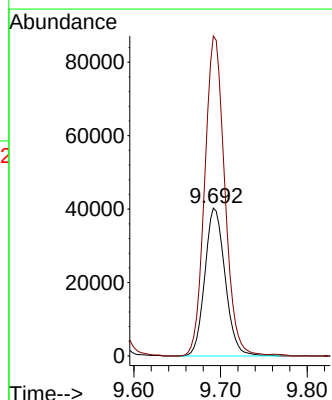
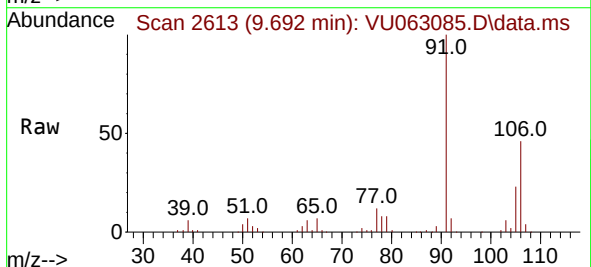
Instrument :
MSVOA_U
ClientSampleId :

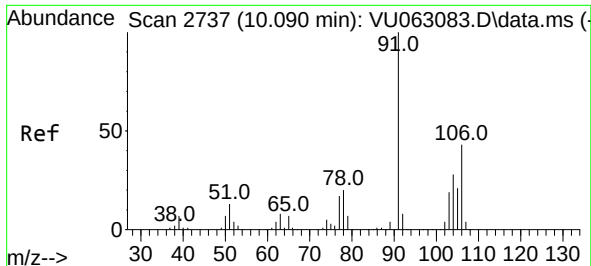
Tgt Ion: 91 Resp: 51869
Ion Ratio Lower Upper
91 100
106 30.2 21.9 40.7



#53
m,p-Xylene
Concen: 6.136 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

Tgt Ion: 106 Resp: 65623
Ion Ratio Lower Upper
106 100
91 216.3 153.1 284.3

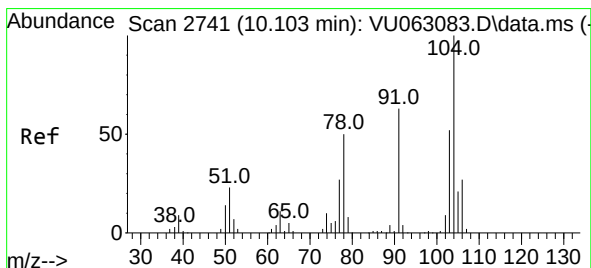
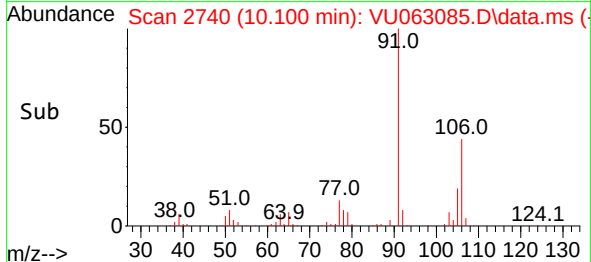
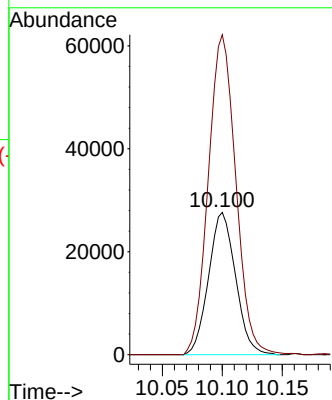
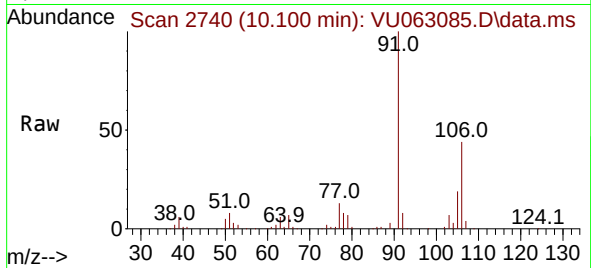




#54
o-Xylene
Concen: 4.410 ug/L
RT: 10.100 min Scan# 2737
Delta R.T. 0.010 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

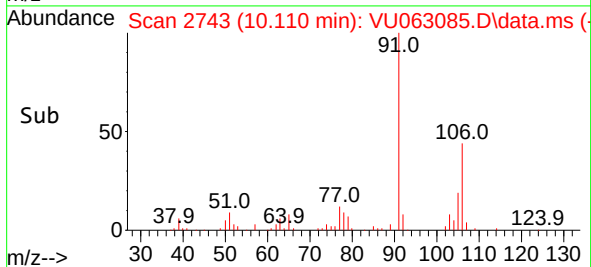
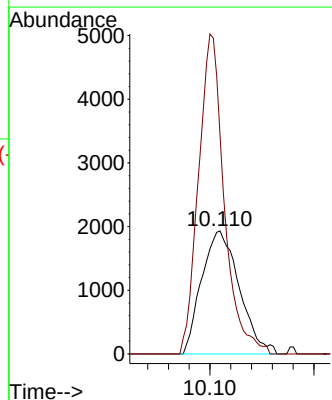
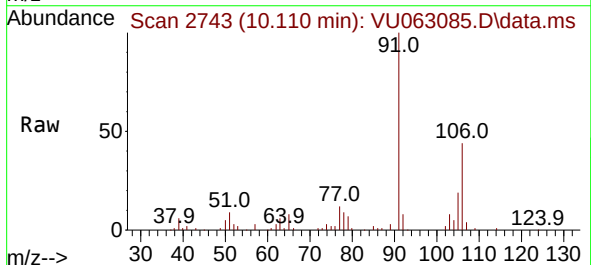
Instrument :
MSVOA_U
ClientSampleId :

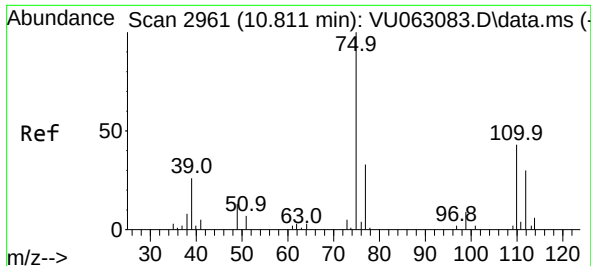
Tgt Ion:106 Resp: 43207
Ion Ratio Lower Upper
106 100
91 224.9 160.4 297.8



#55
Styrene
Concen: 0.293 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.006 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

Tgt Ion:104 Resp: 4857
Ion Ratio Lower Upper
104 100
78 177.8 35.5 65.9#

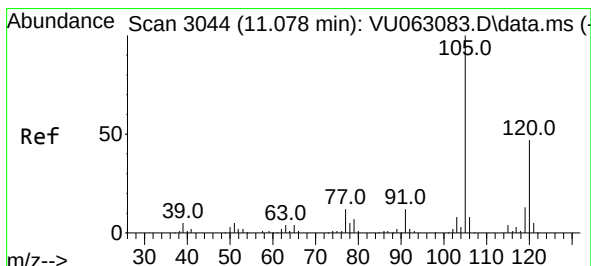
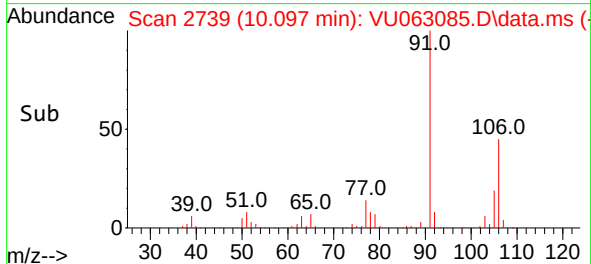
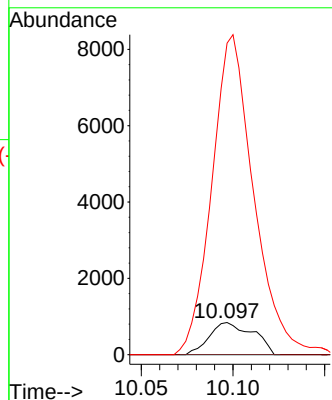
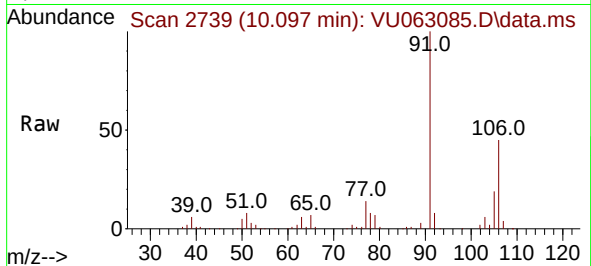




#61
1,2,3-Trichloropropane
Concen: 0.322 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.714 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

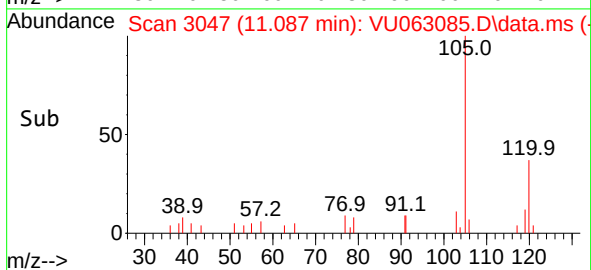
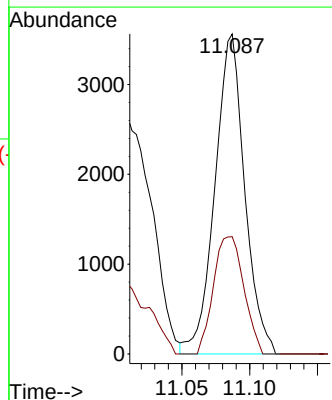
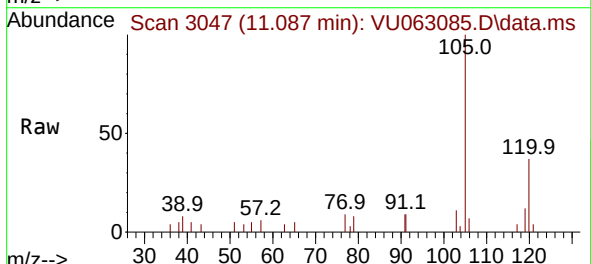
Instrument :
MSVOA_U
ClientSampleId :

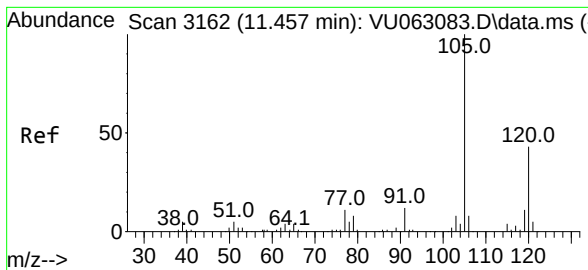
Tgt Ion: 75 Resp: 1401
Ion Ratio Lower Upper
75 100
110 0.0 33.2 49.8#
77 953.2 25.9 38.9#



#62
1,3,5-Trimethylbenzene
Concen: 0.181 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.010 min
Lab File: VU063085.D
Acq: 29 Jan 2025 11:35

Tgt Ion: 105 Resp: 5438
Ion Ratio Lower Upper
105 100
120 37.3 35.9 53.9





#63

1,2,4-Trimethylbenzene

Concen: 0.475 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.006 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

Instrument :

MSVOA_U

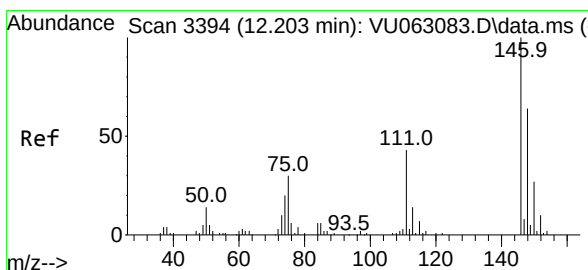
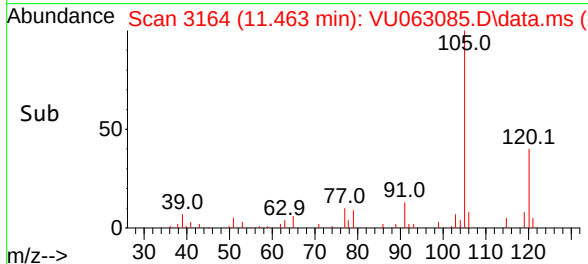
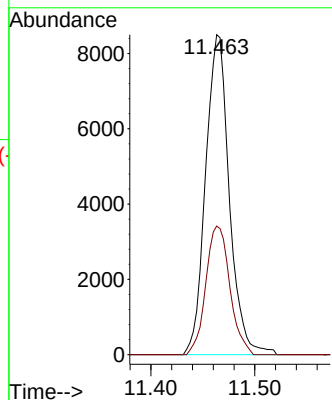
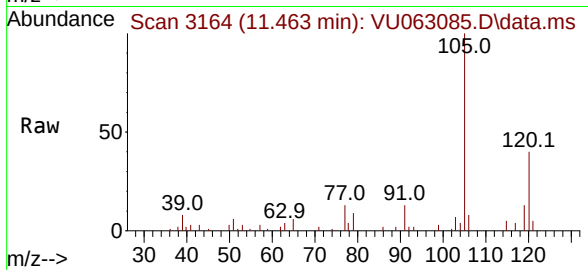
ClientSampleId :

Tgt Ion:105 Resp: 13481

Ion Ratio Lower Upper

105 100

120 40.6 34.2 51.2



#67

1,2-Dichlorobenzene

Concen: 0.121 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.006 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

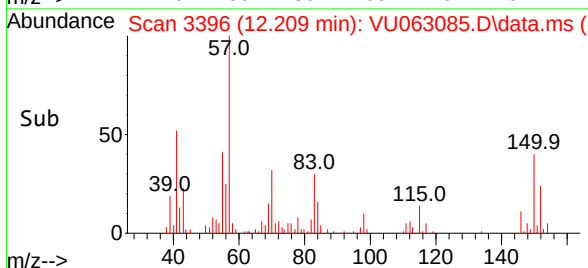
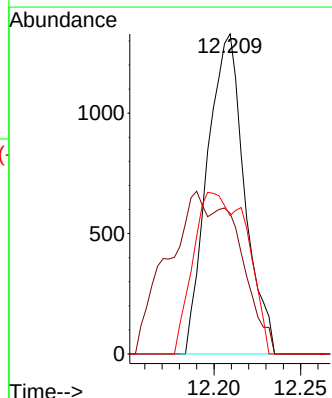
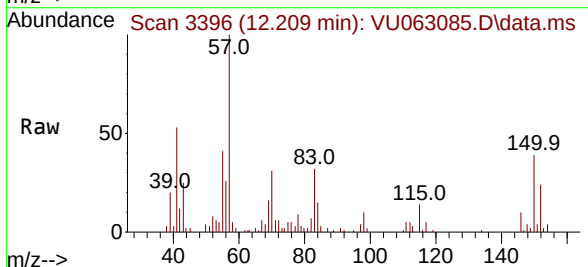
Tgt Ion:146 Resp: 1984

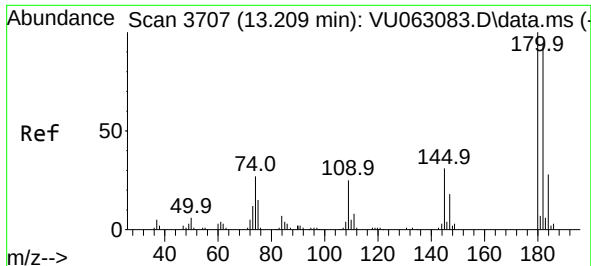
Ion Ratio Lower Upper

146 100

111 43.9 36.3 54.5

148 43.3 52.0 78.0#





#69

1,3,5-Trichlorobenzene

Concen: 0.304 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.624 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 4220

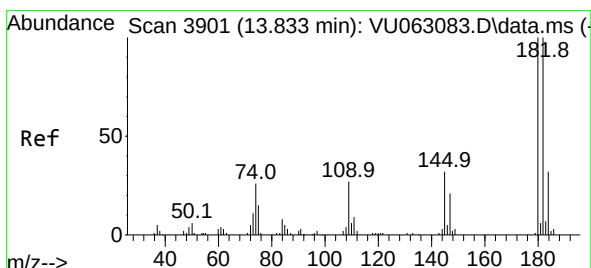
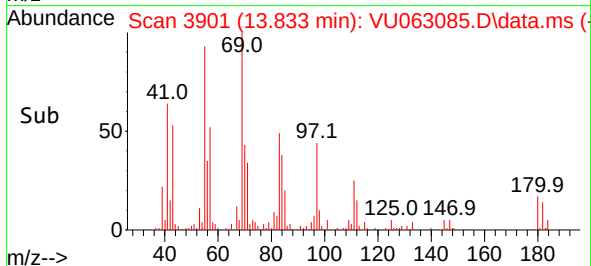
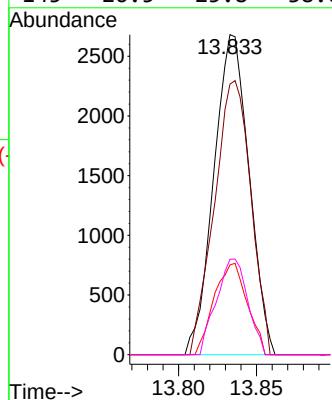
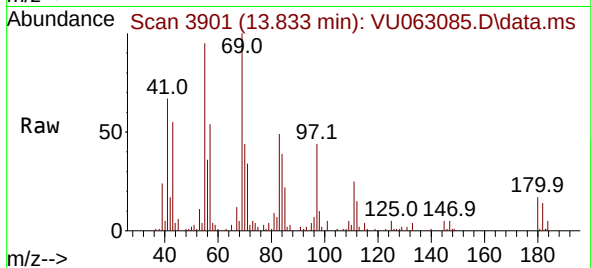
Ion Ratio Lower Upper

180 100

182 88.4 75.8 113.8

184 26.9 24.7 37.1

145 26.5 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 0.389 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU063085.D

Acq: 29 Jan 2025 11:35

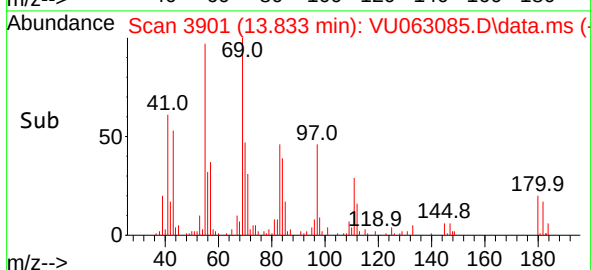
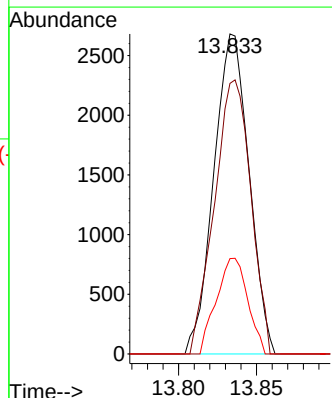
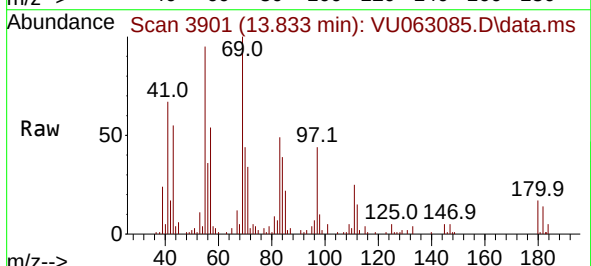
Tgt Ion:180 Resp: 4220

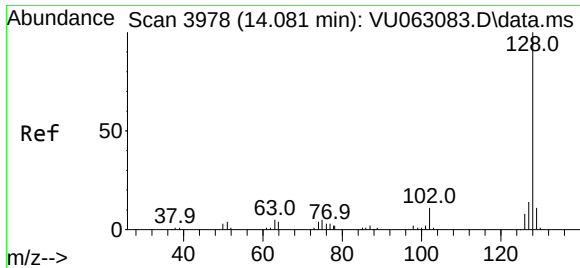
Ion Ratio Lower Upper

180 100

182 88.4 77.1 115.7

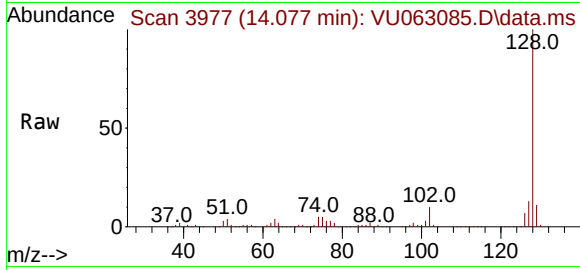
145 26.5 26.9 40.3#





#71
 Naphthalene
 Concen: 68.360 ug/L
 RT: 14.077 min Scan# 3977
 Delta R.T. -0.003 min
 Lab File: VU063085.D
 Acq: 29 Jan 2025 11:35

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 952535
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.5 12.7
 127 13.1 10.2 15.2

