

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032824\
 Data File : VU058244.D
 Acq On : 28 Mar 2024 17:04
 Operator : MD/SY
 Sample : P1902-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 29 01:12:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 29 01:09:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	74290	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	71155	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	32489	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	21326	3.397	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.000%
7) Chloroethane-d5	1.907	69	21346	4.166	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.560	65	8565	3.286	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.800%
20) 2-Butanone-d5	4.618	46	56780	50.909	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.820%
24) Chloroform-d	5.052	84	47479	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.695	65	24598	4.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.721	84	91720	3.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	6.682	67	29662	4.355	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.891	98	74972	3.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	8.177	79	9149	4.192	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.627	63	45302	51.255	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.520%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	21240	4.787	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	26492	4.379	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.600%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	943	0.242	ug/L	95
5) Vinyl chloride	1.599	62	57654	13.537	ug/L	97
12) 1,1-Dichloroethene	2.573	96	4703	1.263	ug/L #	23
14) Carbon disulfide	2.788	76	5559	0.668	ug/L	100
15) Methyl Acetate	3.039	43	1697	1.133	ug/L #	55
18) trans-1,2-Dichloroethene	3.348	96	4404	1.131	ug/L	93
22) cis-1,2-Dichloroethene	4.653	96	361978	75.261	ug/L	97
30) Cyclohexane	5.373	56	1212	0.189	ug/L #	88
34) Trichloroethene	6.537	95	3852521	791.257	ug/L	95
35) Methylcyclohexane	6.685	83	6253	0.921	ug/L #	28
37) 1,2-Dichloropropane	6.682	63	3218	0.616	ug/L #	90
42) Toluene	7.968	91	3171	0.161	ug/L	95
45) 1,1,2-Trichloroethane	8.557	97	53603	16.300	ug/L #	1
47) Tetrachloroethene	8.557	164	5011621	1536.754	ug/L	94
49) Dibromochloromethane	8.557	129	5455710	1516.241	ug/L #	10
52) Ethylbenzene	9.566	91	4221	0.191	ug/L	95
61) 1,2,3-Trichloropropane	11.804	75	4424	1.626	ug/L #	68

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 29 01:09:13 2024
Response via : Initial Calibration

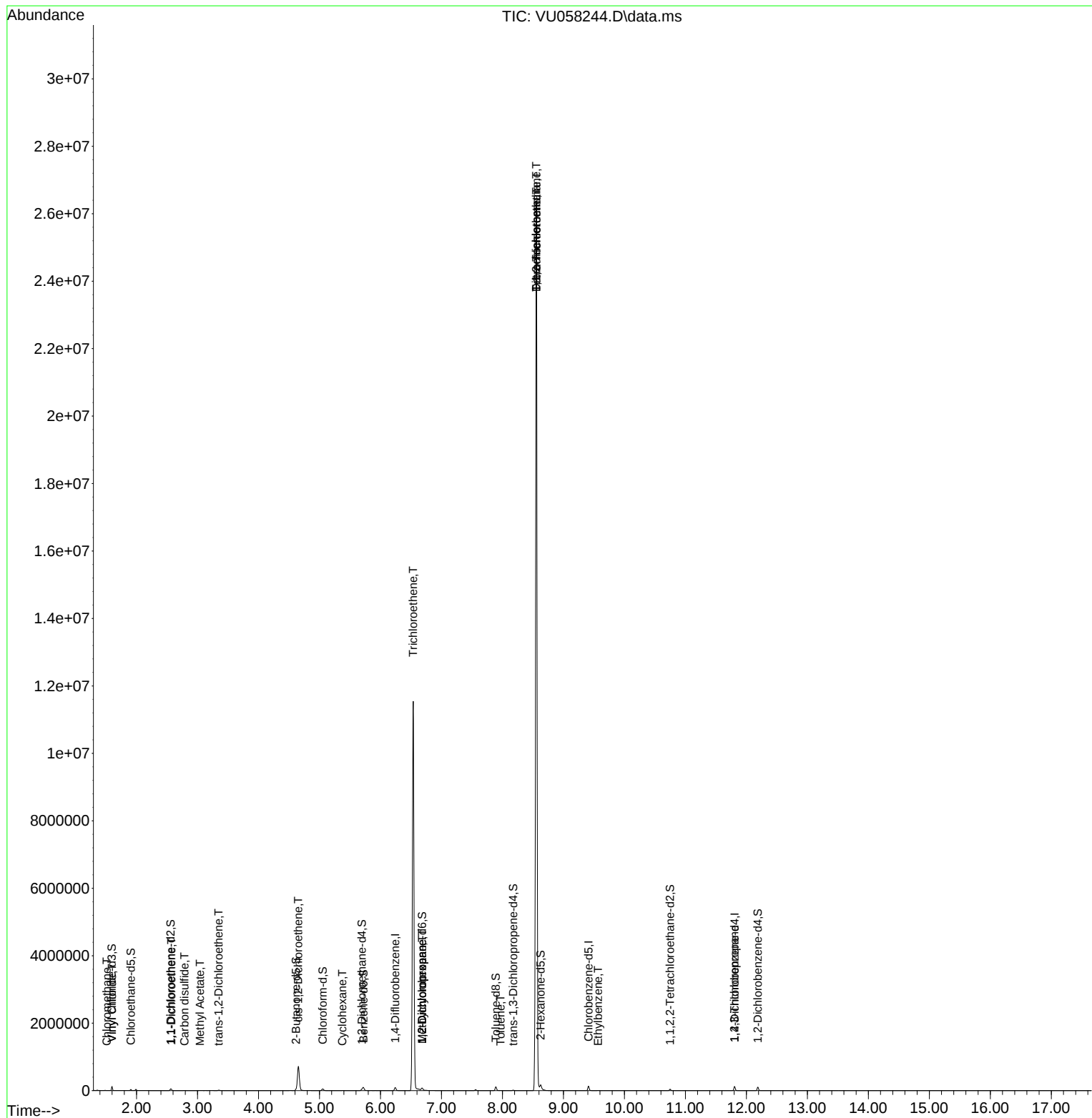
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

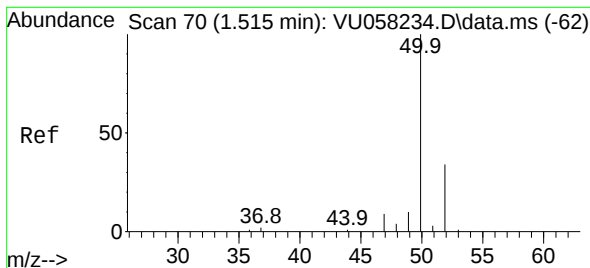
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.242 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Instrument :

MSVOA_U

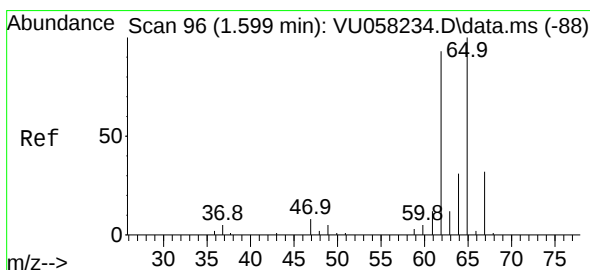
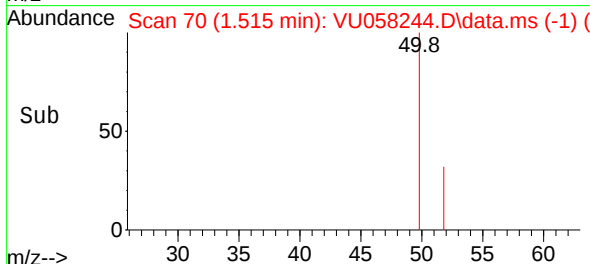
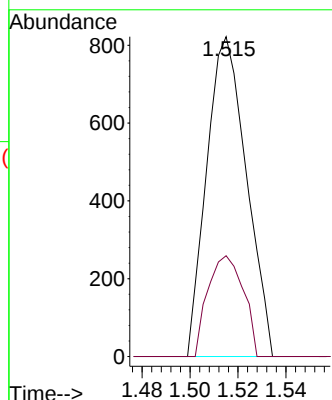
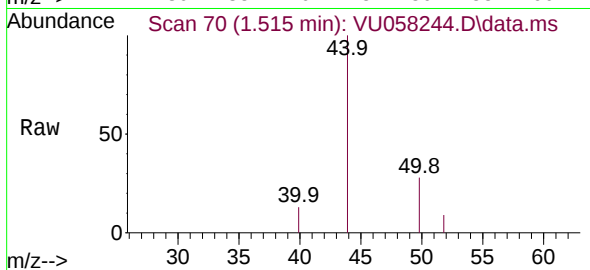
ClientSampleId :

Tgt Ion: 50 Resp: 943

Ion Ratio Lower Upper

50 100

52 31.5 24.2 45.0



#5

Vinyl chloride

Concen: 13.537 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058244.D

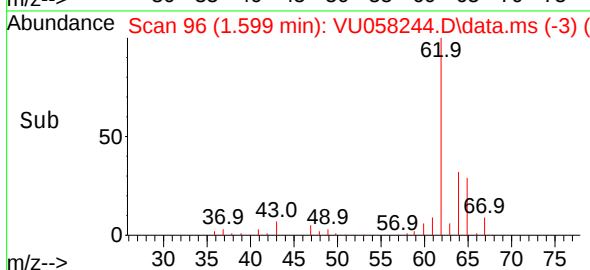
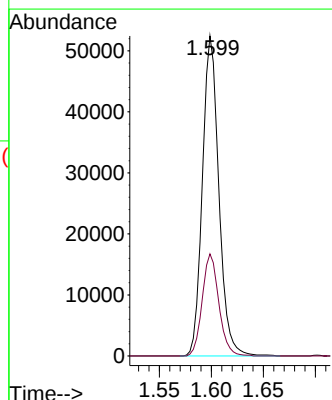
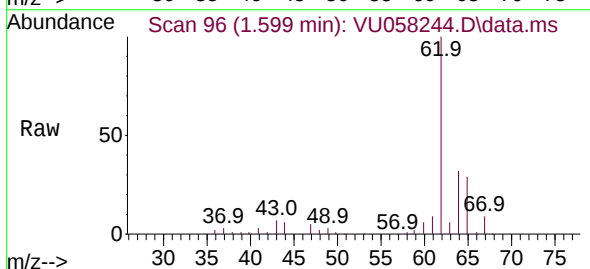
Acq: 28 Mar 2024 17:04

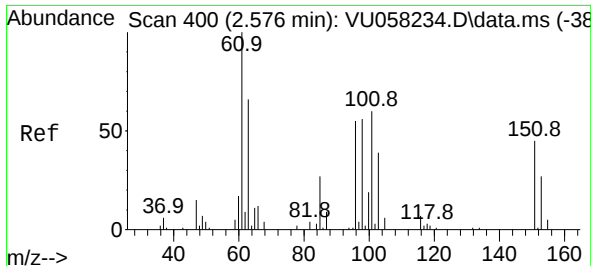
Tgt Ion: 62 Resp: 57654

Ion Ratio Lower Upper

62 100

64 31.9 23.4 43.6





#12

1,1-Dichloroethene

Concen: 1.263 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Instrument :

MSVOA_U

ClientSampleId :

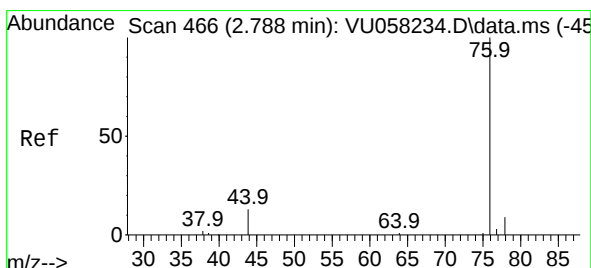
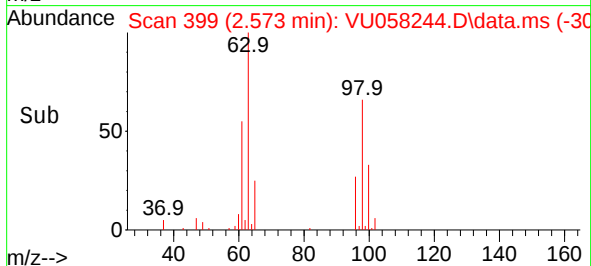
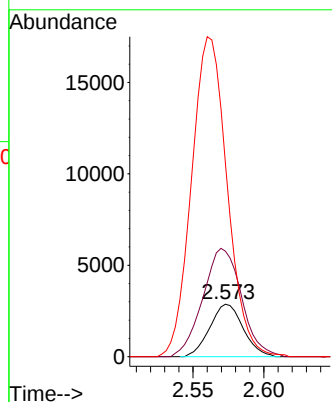
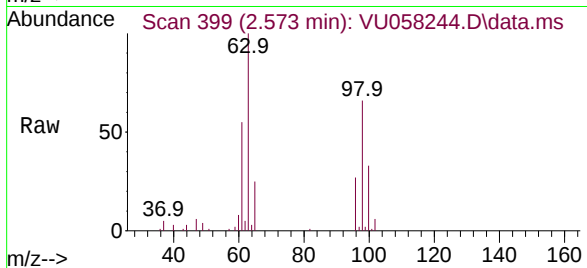
Tgt Ion: 96 Resp: 4703

Ion Ratio Lower Upper

96 100

61 200.9 128.1 237.9

63 366.5 116.8 217.0#



#14

Carbon disulfide

Concen: 0.668 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU058244.D

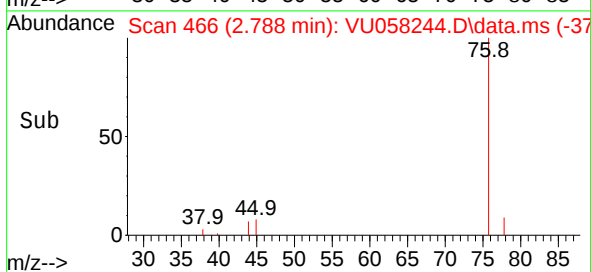
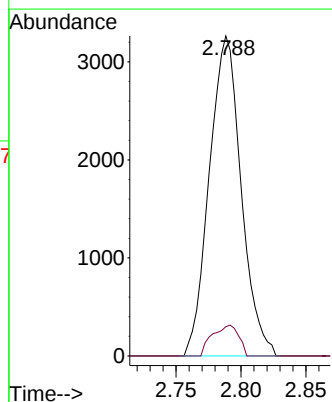
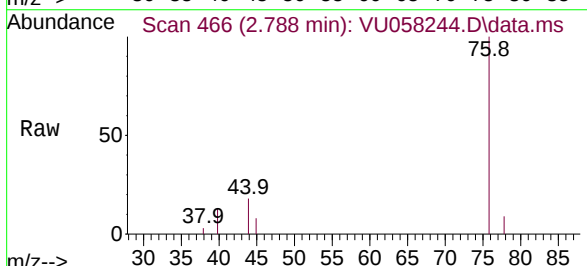
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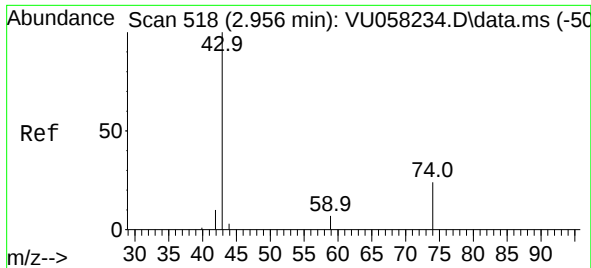
Tgt Ion: 76 Resp: 5559

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

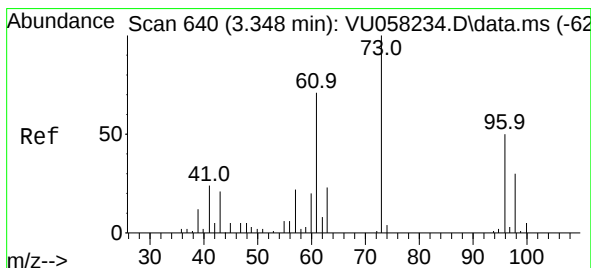
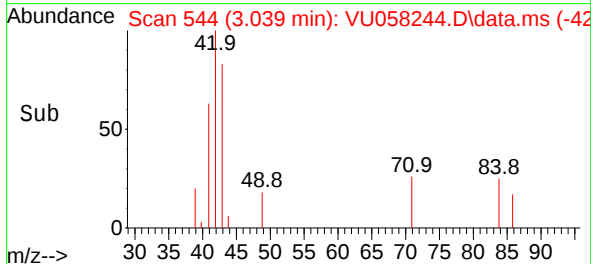
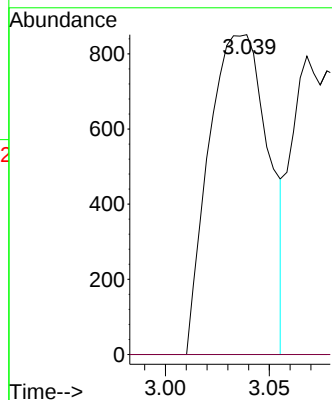
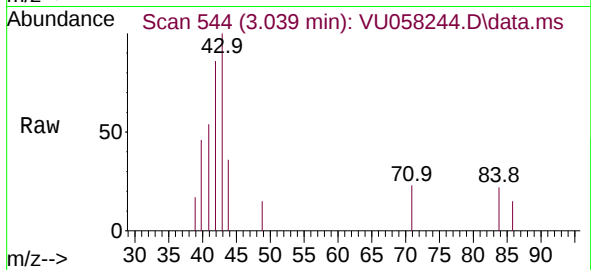




#15
Methyl Acetate
Concen: 1.133 ug/L
RT: 3.039 min Scan# 518
Delta R.T. 0.083 min
Lab File: VU058244.D
Acq: 28 Mar 2024 17:04

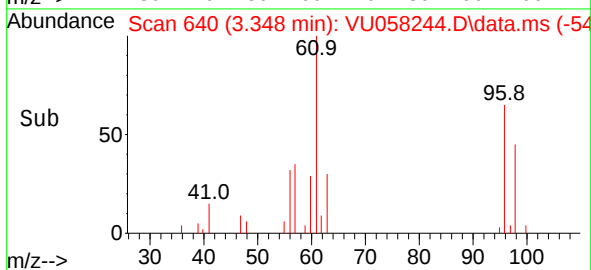
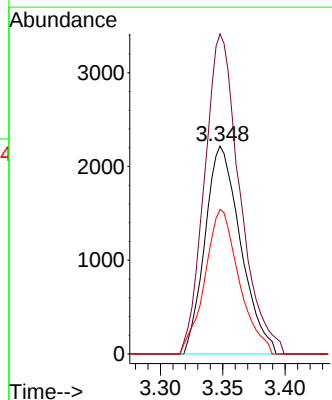
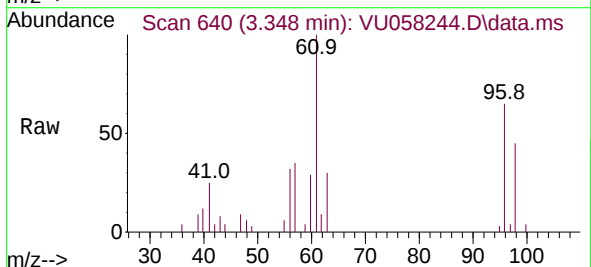
Instrument :
MSVOA_U
ClientSampleId :

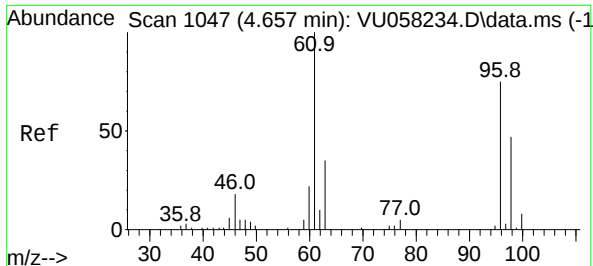
Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#18
trans-1,2-Dichloroethene
Concen: 1.131 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058244.D
Acq: 28 Mar 2024 17:04

Tgt Ion: 96 Resp: 4404
Ion Ratio Lower Upper
96 100
61 153.9 102.5 190.3
98 69.5 44.0 81.8

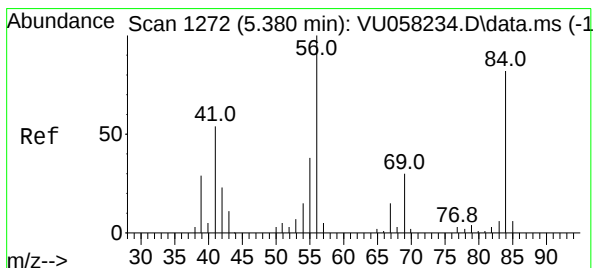
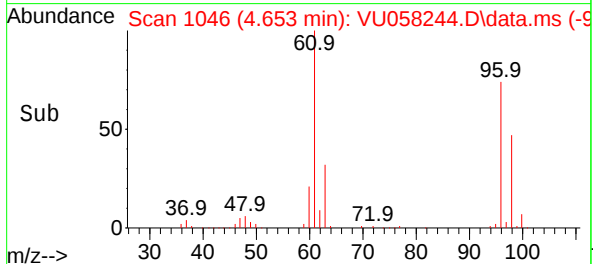
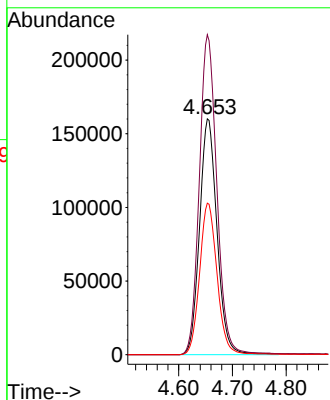
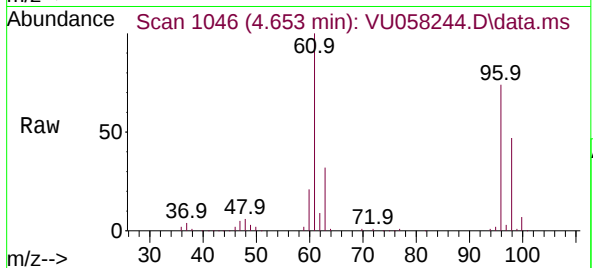




#22
 cis-1,2-Dichloroethene
 Concen: 75.261 ug/L
 RT: 4.653 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU058244.D
 Acq: 28 Mar 2024 17:04

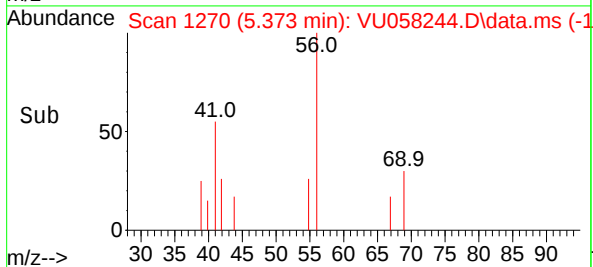
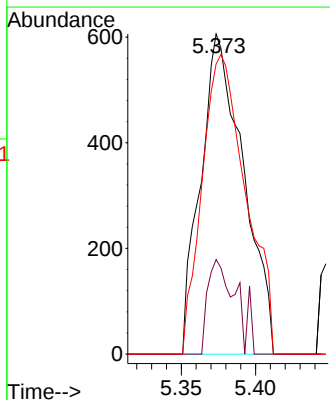
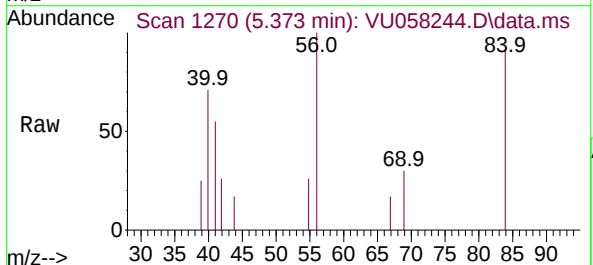
Instrument :
 MSVOA_U
 ClientSampleId :

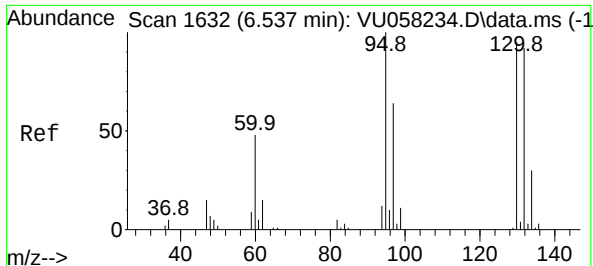
Tgt Ion: 96 Resp: 361978
 Ion Ratio Lower Upper
 96 100
 61 135.7 92.8 172.4
 98 64.2 43.2 80.2



#30
 Cyclohexane
 Concen: 0.189 ug/L
 RT: 5.373 min Scan# 1270
 Delta R.T. -0.007 min
 Lab File: VU058244.D
 Acq: 28 Mar 2024 17:04

Tgt Ion: 56 Resp: 1212
 Ion Ratio Lower Upper
 56 100
 69 19.6 24.2 36.2#
 84 95.8 69.7 104.5





#34

Trichloroethene

Concen: 791.257 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 3852521

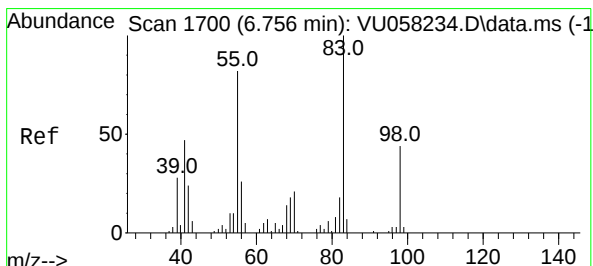
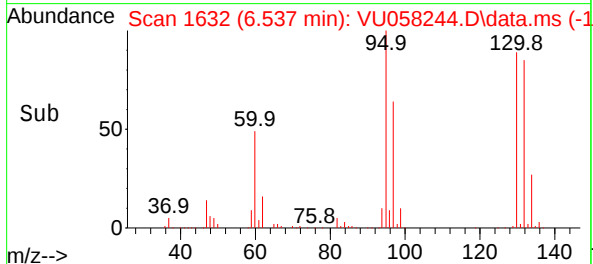
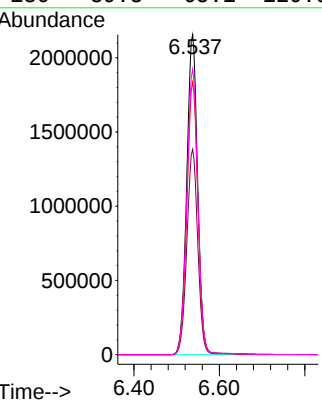
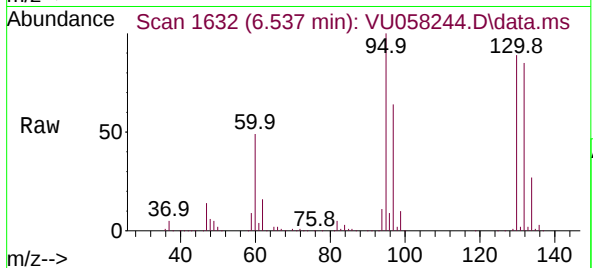
Ion Ratio Lower Upper

95 100

97 64.1 47.7 88.7

132 85.2 63.6 118.2

130 89.3 65.1 120.9



#35

Methylcyclohexane

Concen: 0.921 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

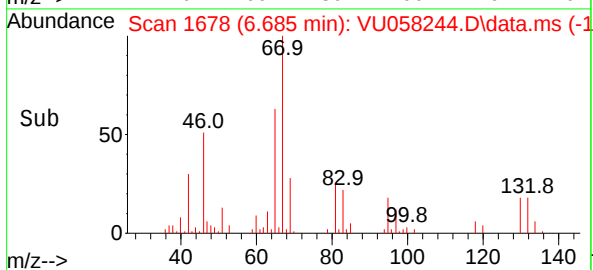
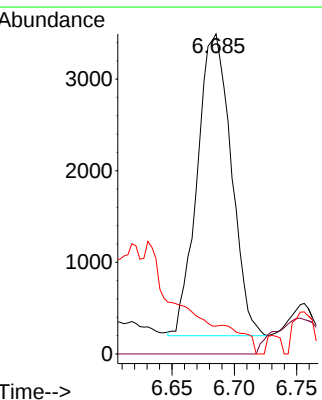
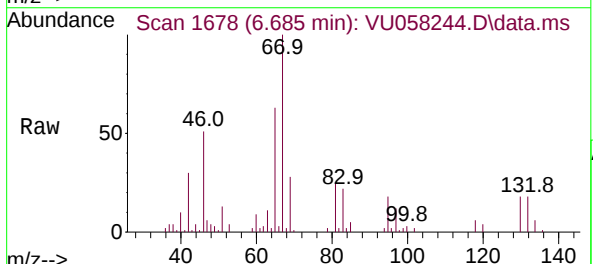
Tgt Ion: 83 Resp: 6253

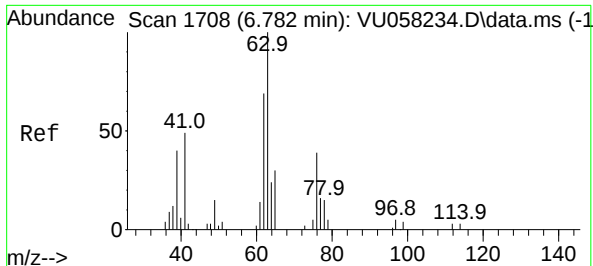
Ion Ratio Lower Upper

83 100

55 14.6 62.7 94.1#

98 0.0 37.3 55.9#

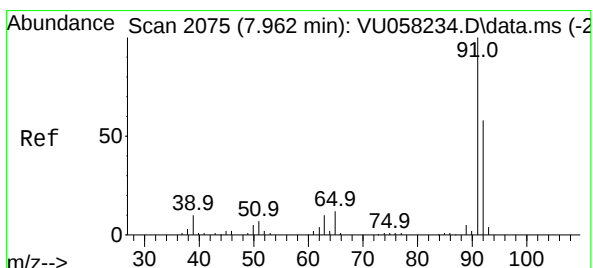
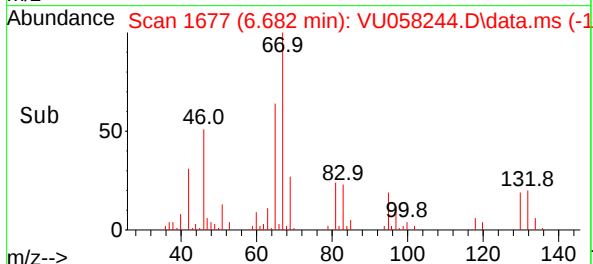
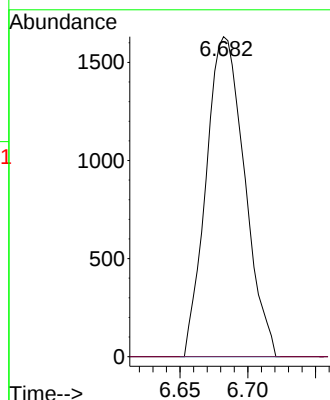
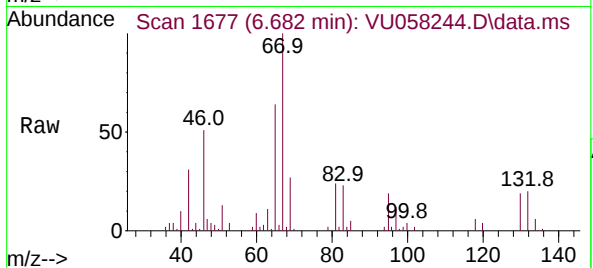




#37
1,2-Dichloropropane
Concen: 0.616 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058244.D
Acq: 28 Mar 2024 17:04

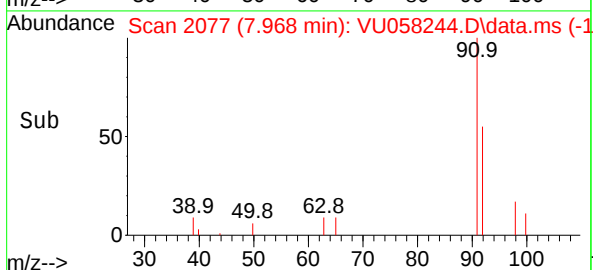
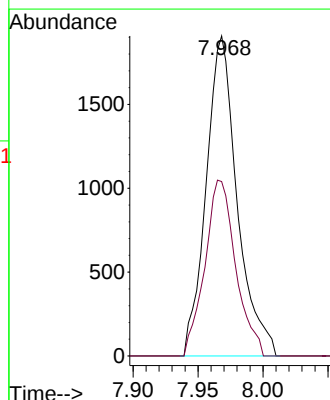
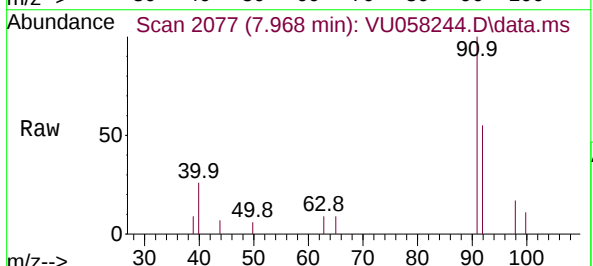
Instrument :
MSVOA_U
ClientSampleId :

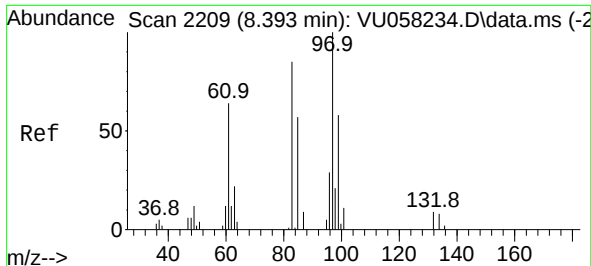
Tgt Ion: 63 Resp: 3218
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#42
Toluene
Concen: 0.161 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VU058244.D
Acq: 28 Mar 2024 17:04

Tgt Ion: 91 Resp: 3171
Ion Ratio Lower Upper
91 100
92 54.5 40.7 75.5





#45

1,1,2-Trichloroethane

Concen: 16.300 ug/L

RT: 8.557 min Scan# 2260

Delta R.T. 0.164 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 53603

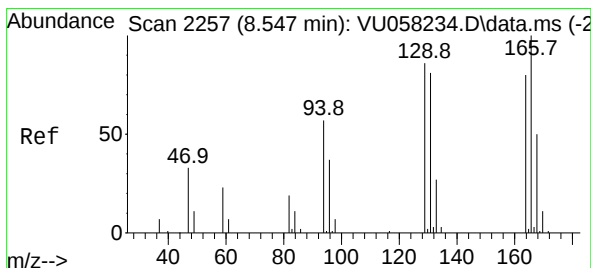
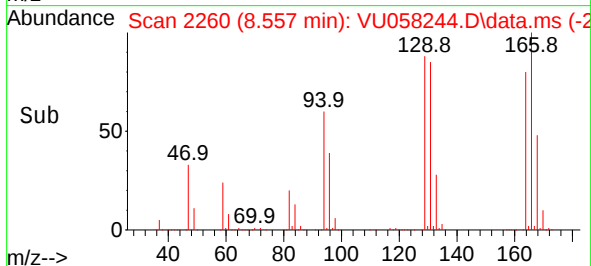
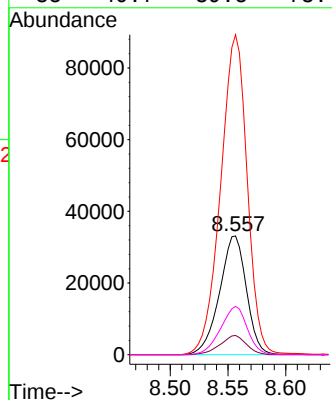
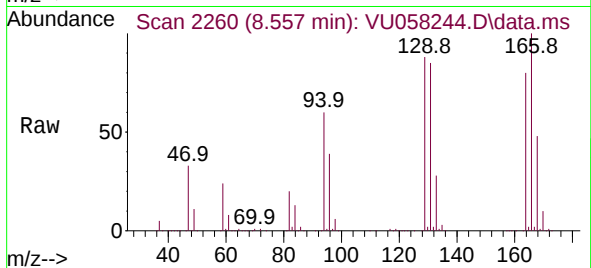
Ion Ratio Lower Upper

97 100

99 16.1 44.5 82.7#

83 269.5 64.1 119.1#

85 40.7 39.5 73.4



#47

Tetrachloroethene

Concen: 1536.754 ug/L

RT: 8.557 min Scan# 2260

Delta R.T. 0.010 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Tgt Ion:164 Resp: 5011621

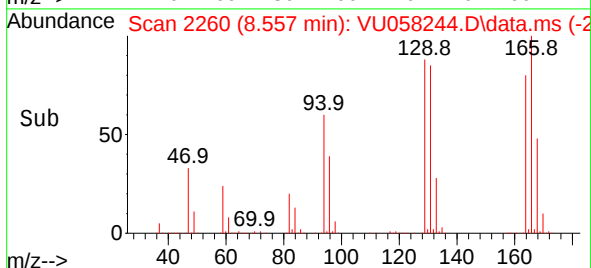
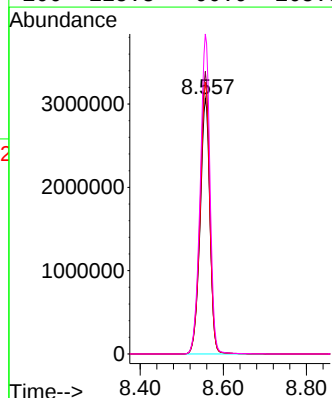
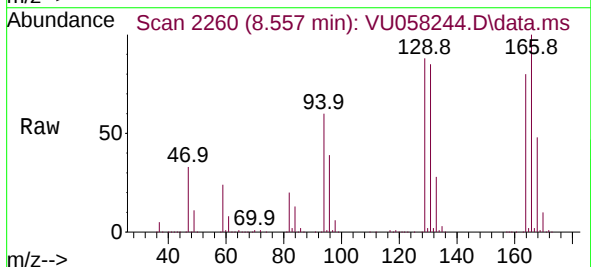
Ion Ratio Lower Upper

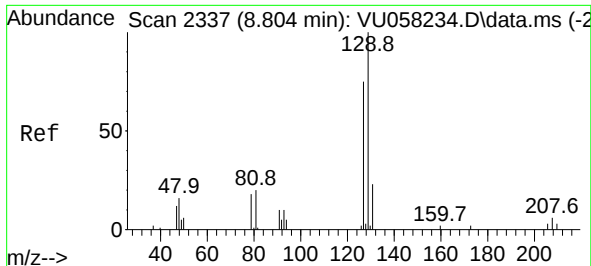
164 100

129 110.6 71.3 132.3

131 106.5 70.8 131.4

166 125.3 90.9 168.9





#49

Dibromochloromethane

Concen: 1516.241 ug/L

RT: 8.557 min Scan# 21

Delta R.T. -0.248 min

Lab File: VU058244.D

Acq: 28 Mar 2024 17:04

Instrument :

MSVOA_U

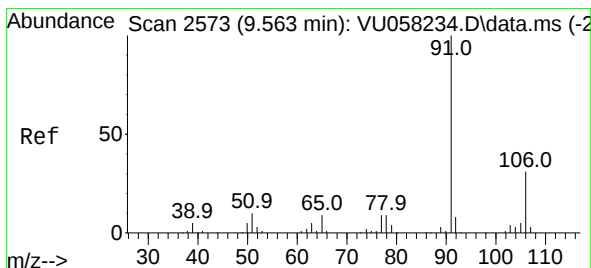
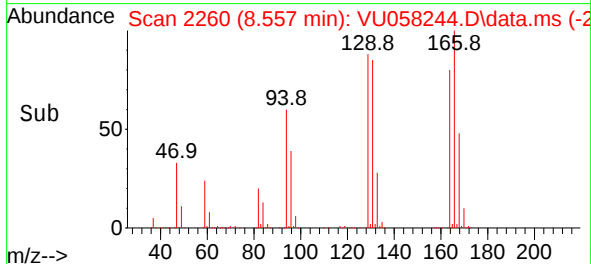
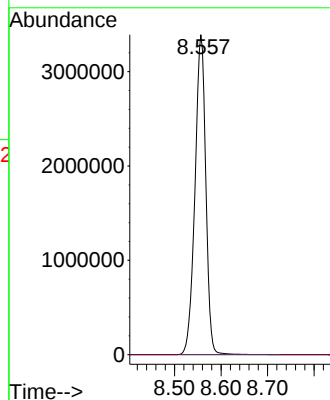
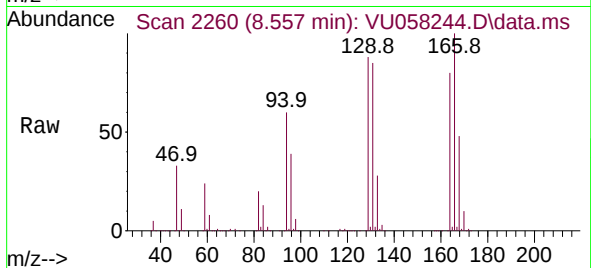
ClientSampleId :

Tgt Ion:129 Resp: 5455710

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 0.191 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU058244.D

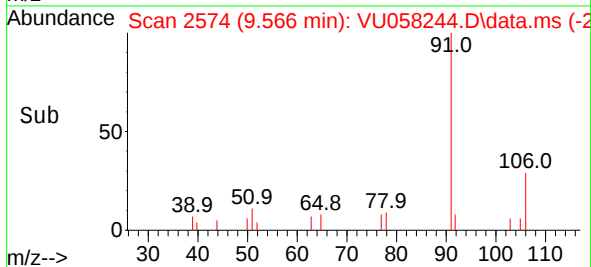
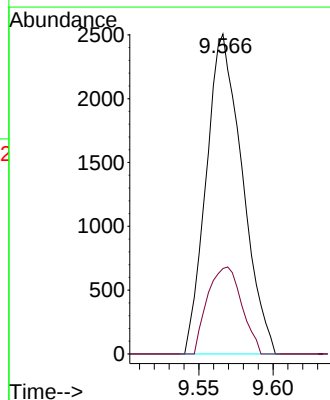
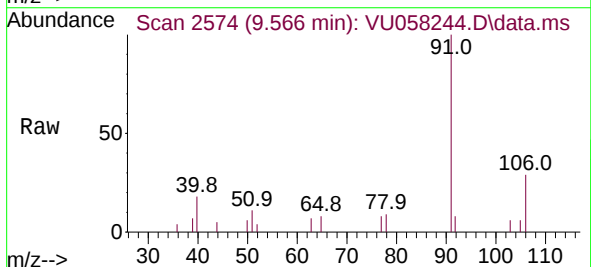
Acq: 28 Mar 2024 17:04

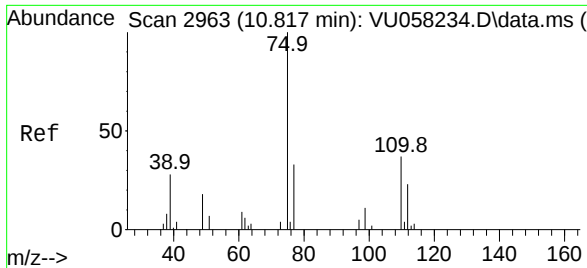
Tgt Ion: 91 Resp: 4221

Ion Ratio Lower Upper

91 100

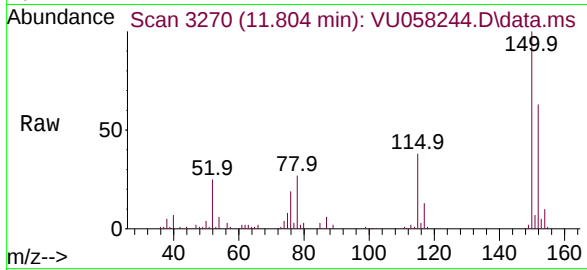
106 26.7 20.6 38.2





#61
1,2,3-Trichloropropane
Concen: 1.626 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU058244.D
Acq: 28 Mar 2024 17:04

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 4424
Ion Ratio Lower Upper
75 100
110 0.5 28.1 42.1#
77 32.2 25.1 37.7

