

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061324\
 Data File : VU059232.D
 Acq On : 13 Jun 2024 12:37
 Operator : MD/SY
 Sample : P2850-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 14 06:55:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 14 06:53:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	172787	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	176919	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	80652	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	33498	3.201	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.000%
7) Chloroethane-d5	1.907	69	37360	3.949	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.000%
11) 1,1-Dichloroethene-d2	2.560	65	15034	3.525	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.400%
20) 2-Butanone-d5	4.653	46	218684	80.364	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	160.720%#
24) Chloroform-d	5.055	84	92959	4.398	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.695	65	49247	4.534	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.721	84	171051	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.685	67	63397	4.685	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.894	98	140245	3.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	8.174	79	19974	4.302	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.627	63	111958	50.240	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.480%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	57309	4.904	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	57593	4.748	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	33638	2.133	ug/L	99
12) 1,1-Dichloroethene	2.573	96	14994	1.393	ug/L #	68
13) Acetone	2.647	43	28340	15.068	ug/L	100
16) Methylene chloride	3.039	84	17873	1.224	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	114836	10.132	ug/L	98
19) 1,1-Dichloroethane	3.859	63	167794	7.082	ug/L	98
25) Chloroform	5.084	83	6509	0.263	ug/L	91
34) Trichloroethene	6.534	95	908279	66.026	ug/L	97
37) 1,2-Dichloropropane	6.685	63	6830	0.463	ug/L #	94
40) 4-Methyl-2-pentanone	7.788	43	14888	1.951	ug/L #	91
42) Toluene	7.962	91	292060	5.385	ug/L	100
45) 1,1,2-Trichloroethane	8.544	97	13332	1.284	ug/L #	1
47) Tetrachloroethene	8.547	164	1524189	155.527	ug/L	98
49) Dibromochloromethane	8.547	129	1490890	136.149	ug/L #	12
52) Ethylbenzene	9.566	91	25309	0.432	ug/L	99
53) m,p-Xylene	9.688	106	33399	1.558	ug/L	98
54) o-Xylene	10.097	106	15955	0.761	ug/L	99
60) Isopropylbenzene	10.994	105	13326	0.258	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	4587	0.111	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 14 06:53:55 2024
Response via : Initial Calibration

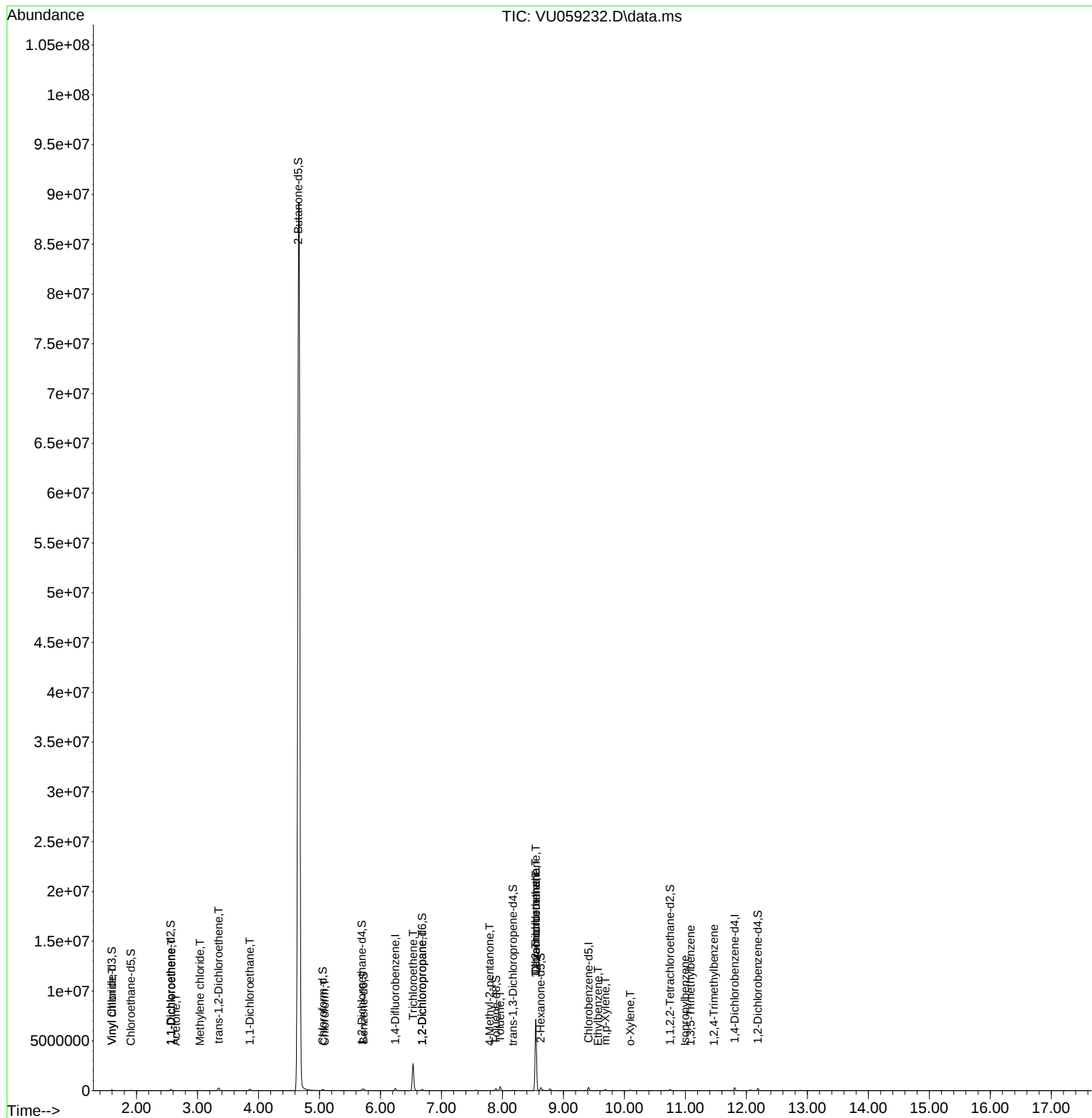
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.466	105	11860	0.291	ug/L	100

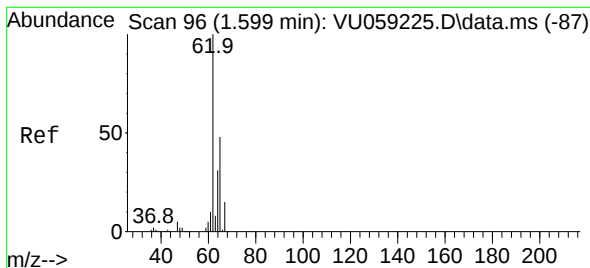
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.133 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Instrument :

MSVOA_U

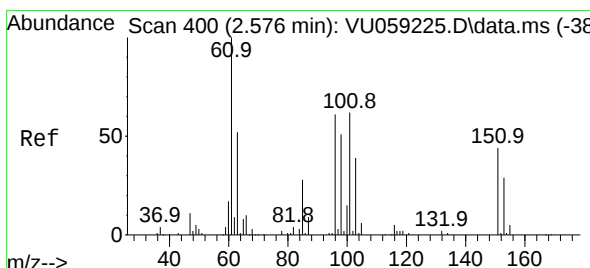
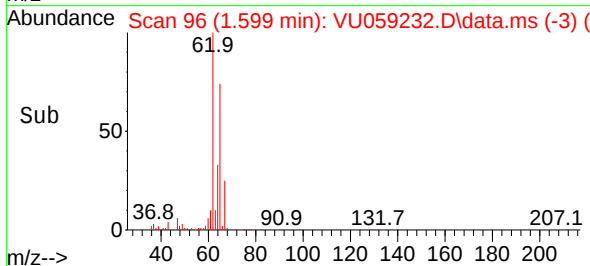
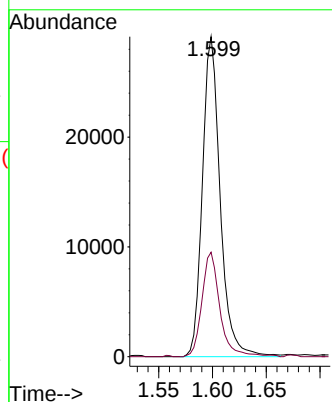
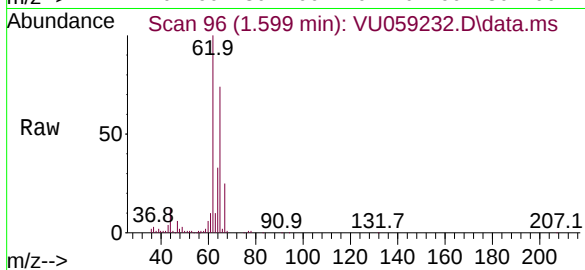
ClientSampleId :

Tgt Ion: 62 Resp: 33638

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#12

1,1-Dichloroethene

Concen: 1.393 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

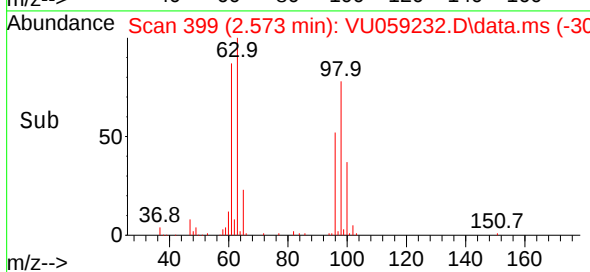
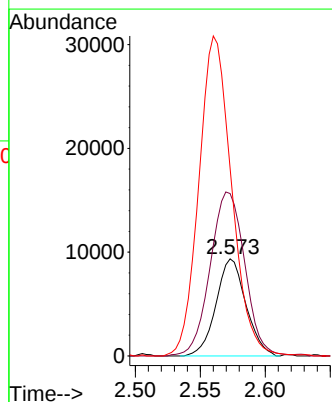
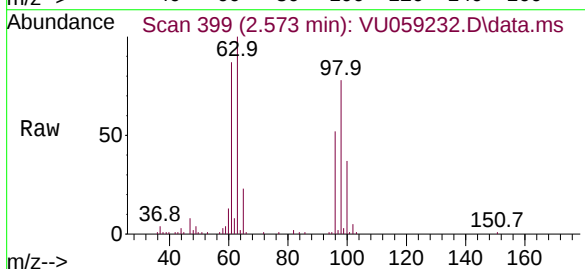
Tgt Ion: 96 Resp: 14994

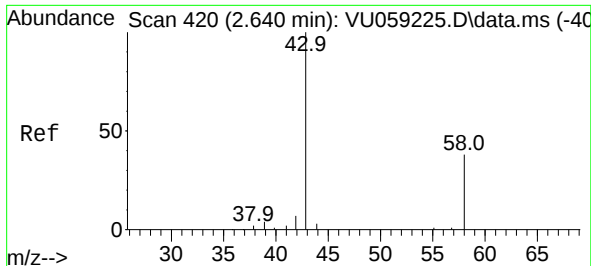
Ion Ratio Lower Upper

96 100

61 167.3 122.9 228.3

63 193.1 80.4 149.4#





#13

Acetone

Concen: 15.068 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Instrument :

MSVOA_U

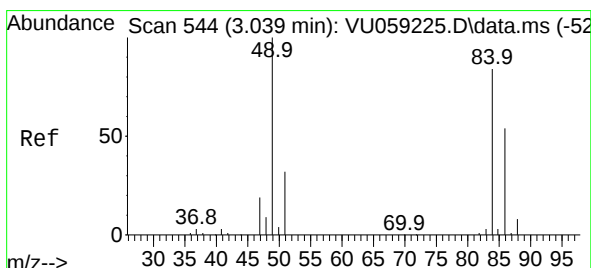
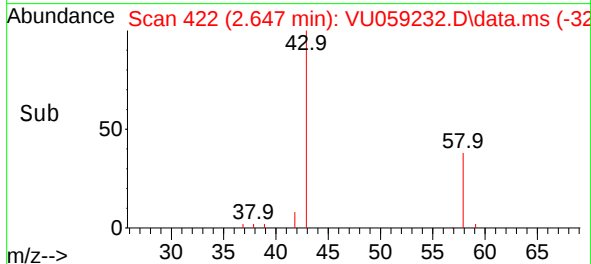
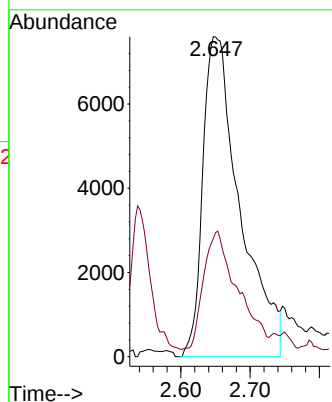
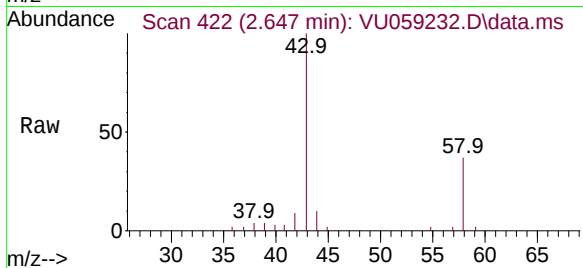
ClientSampleId :

Tgt Ion: 43 Resp: 28340

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.0



#16

Methylene chloride

Concen: 1.224 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

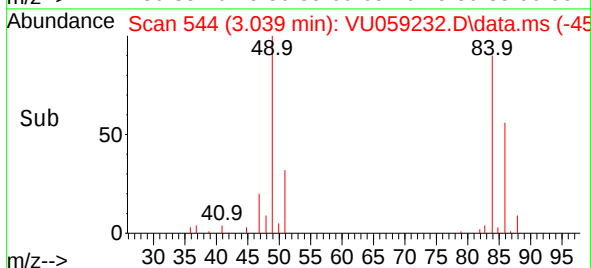
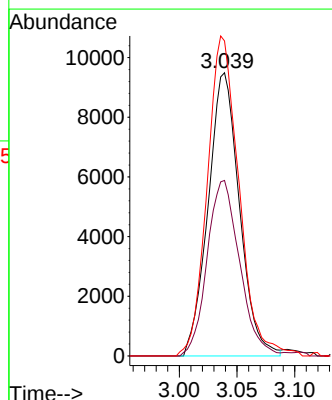
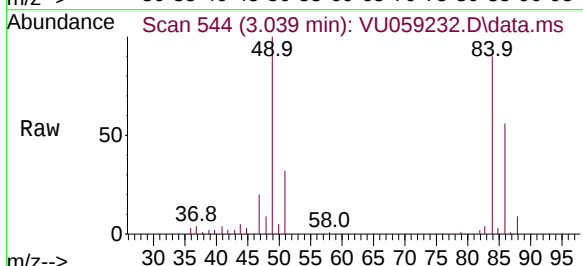
Tgt Ion: 84 Resp: 17873

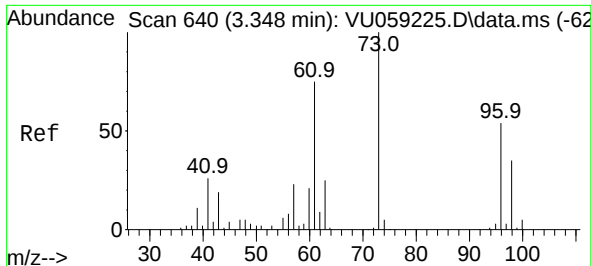
Ion Ratio Lower Upper

84 100

86 62.0 42.1 78.1

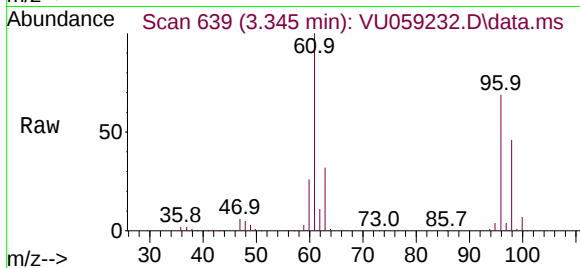
49 111.3 80.6 149.8



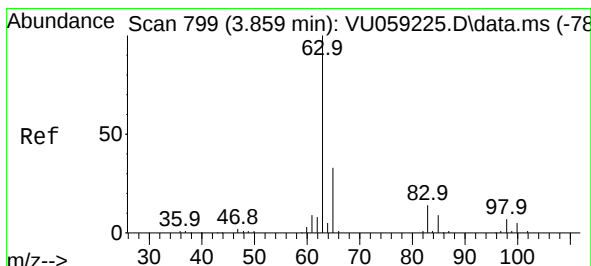
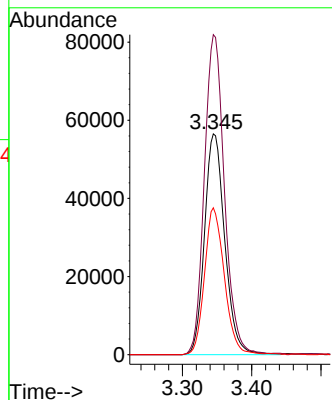
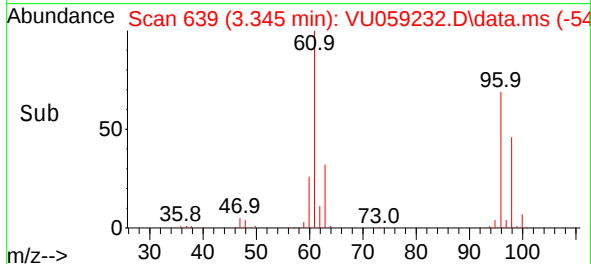


#18
trans-1,2-Dichloroethene
Concen: 10.132 ug/L
RT: 3.345 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

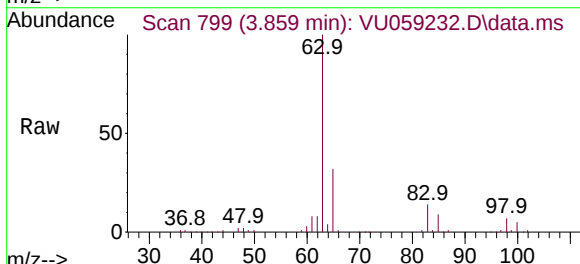
Instrument :
MSVOA_U
ClientSampleId :



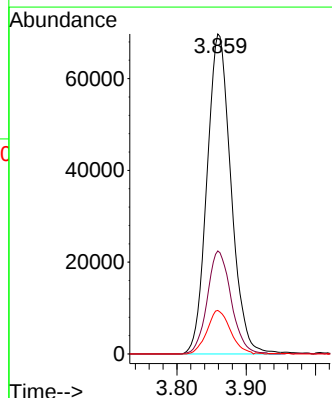
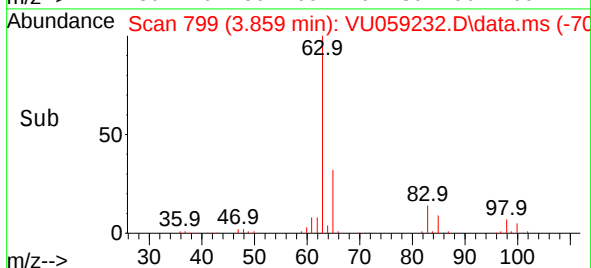
Tgt Ion: 96 Resp: 114836
Ion Ratio Lower Upper
96 100
61 144.9 101.8 189.0
98 66.5 43.3 80.5

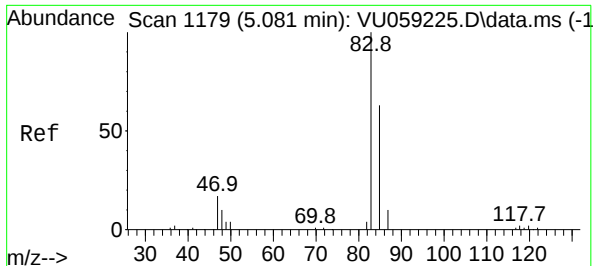


#19
1,1-Dichloroethane
Concen: 7.082 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37



Tgt Ion: 63 Resp: 167794
Ion Ratio Lower Upper
63 100
65 32.2 21.8 40.6
83 13.6 9.9 18.5





#25

Chloroform

Concen: 0.263 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Instrument :

MSVOA_U

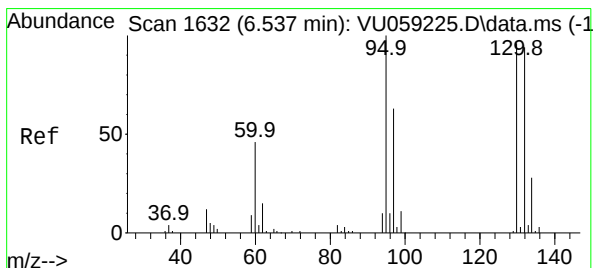
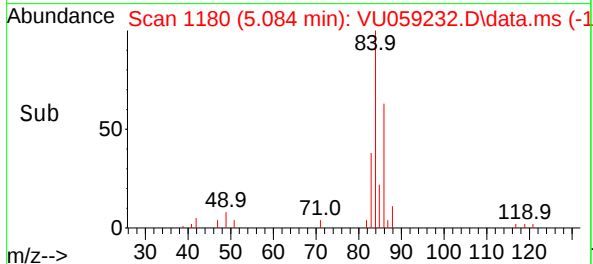
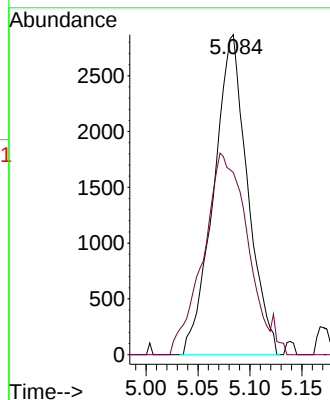
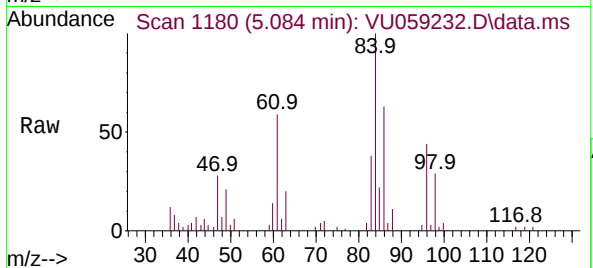
ClientSampleId :

Tgt Ion: 83 Resp: 6509

Ion Ratio Lower Upper

83 100

85 56.9 44.7 83.1



#34

Trichloroethene

Concen: 66.026 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Tgt Ion: 95 Resp: 908279

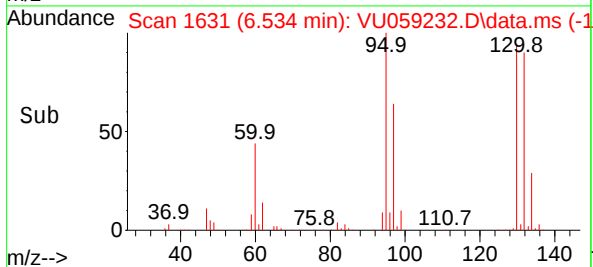
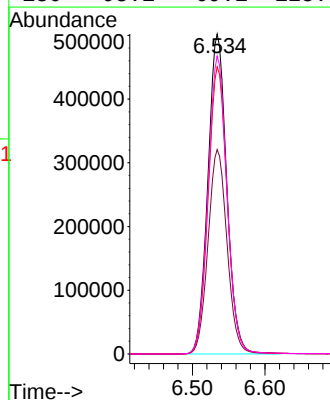
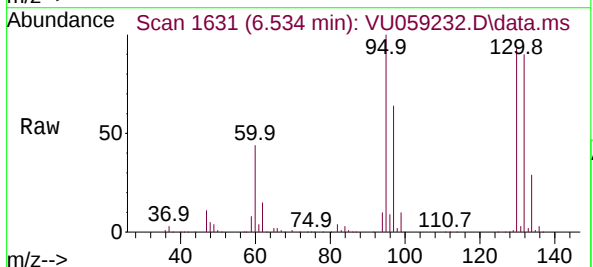
Ion Ratio Lower Upper

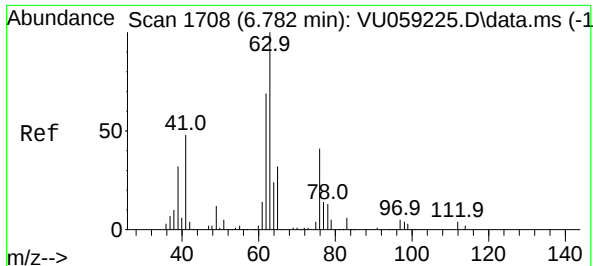
95 100

97 63.8 45.3 84.1

132 89.7 64.0 119.0

130 93.1 69.1 128.3

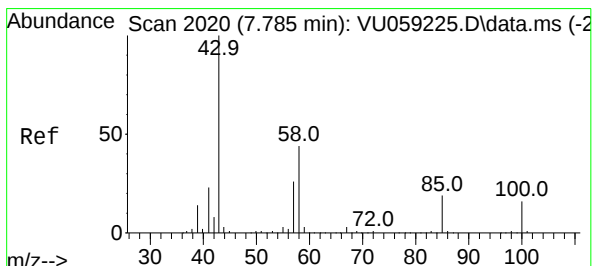
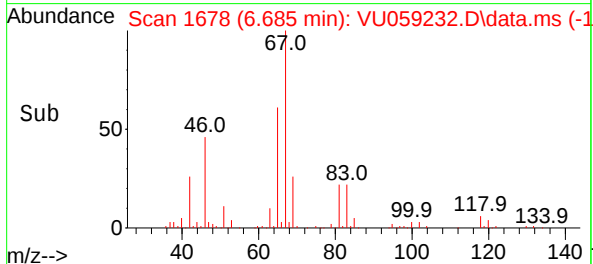
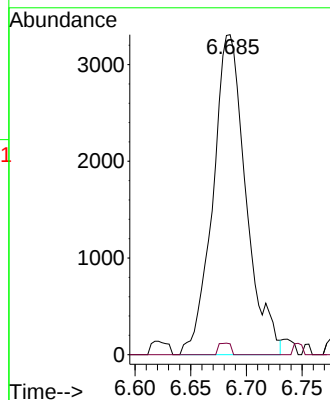
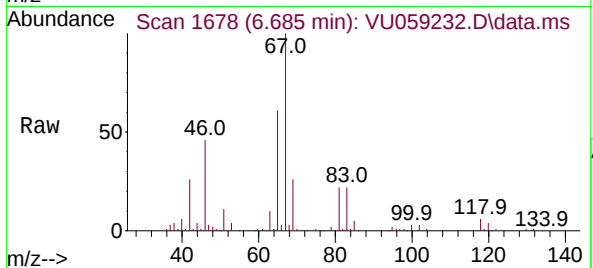




#37
1,2-Dichloropropane
Concen: 0.463 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

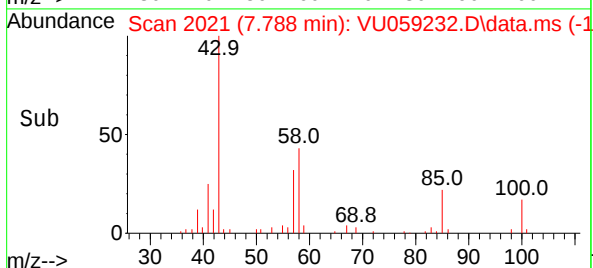
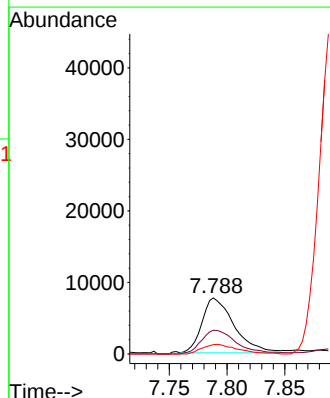
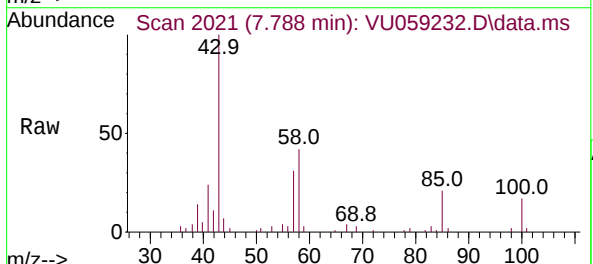
Instrument :
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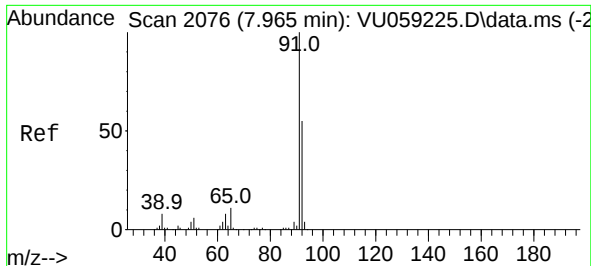
Tgt Ion: 63 Resp: 6830
Ion Ratio Lower Upper
63 100
112 1.3 2.6 3.8#



#40
4-Methyl-2-pentanone
Concen: 1.951 ug/L
RT: 7.788 min Scan# 2021
Delta R.T. 0.003 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

Tgt Ion: 43 Resp: 14888
Ion Ratio Lower Upper
43 100
58 47.7 34.0 51.0
100 19.2 12.1 18.1#





#42

Toluene

Concen: 5.385 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Instrument :

MSVOA_U

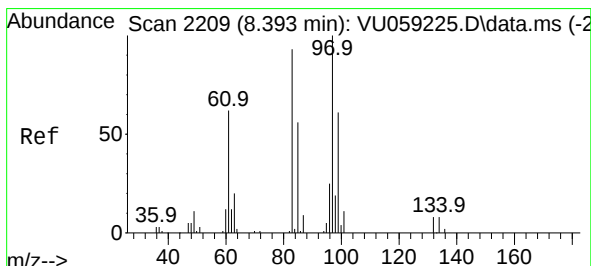
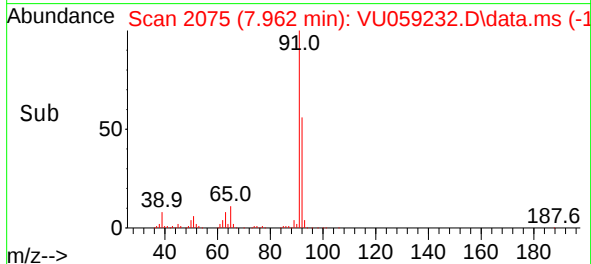
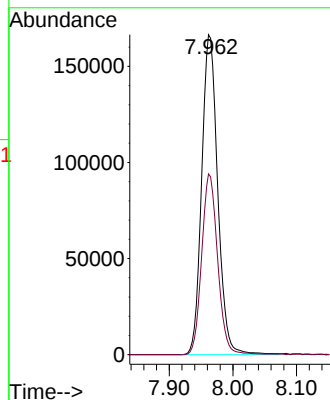
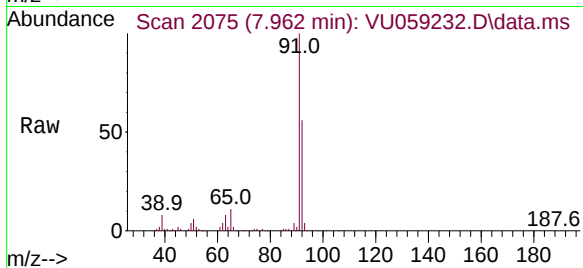
ClientSampleId :

Tgt Ion: 91 Resp: 292060

Ion Ratio Lower Upper

91 100

92 56.5 39.7 73.7



#45

1,1,2-Trichloroethane

Concen: 1.284 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.151 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Tgt Ion: 97 Resp: 13332

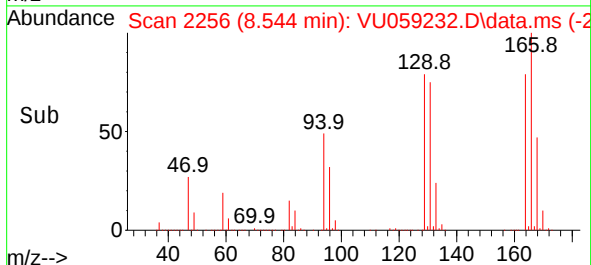
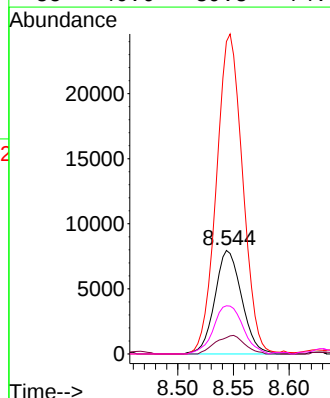
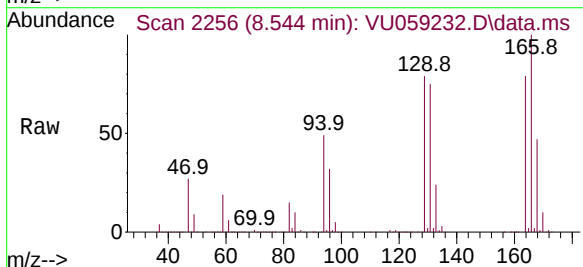
Ion Ratio Lower Upper

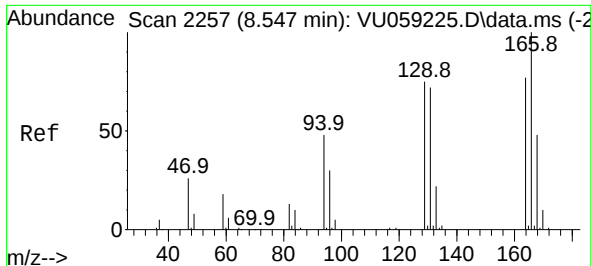
97 100

99 15.7 43.3 80.3#

83 301.7 62.3 115.7#

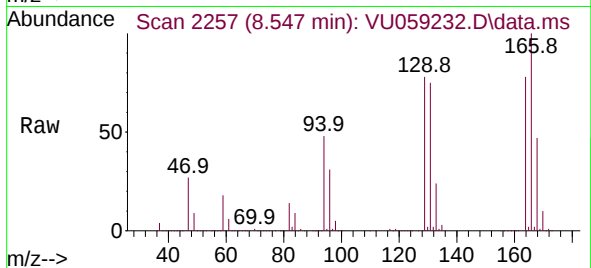
85 46.6 39.8 74.0



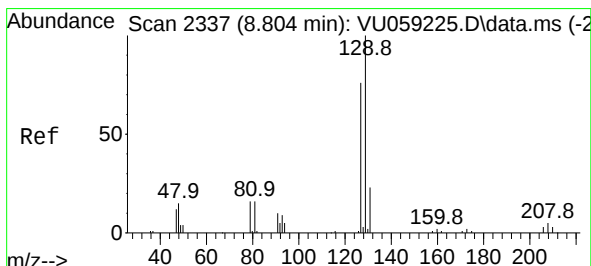
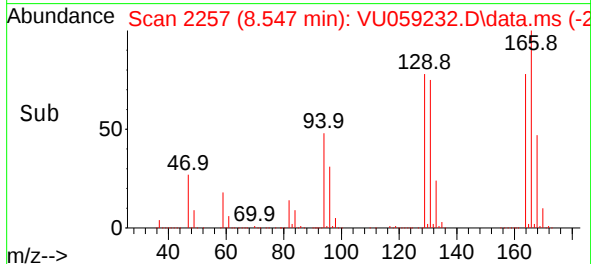
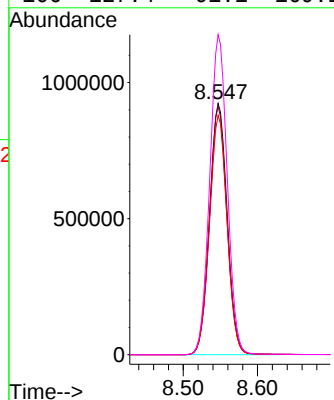


#47
Tetrachloroethene
Concen: 155.527 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

Instrument :
MSVOA_U
ClientSampleId :

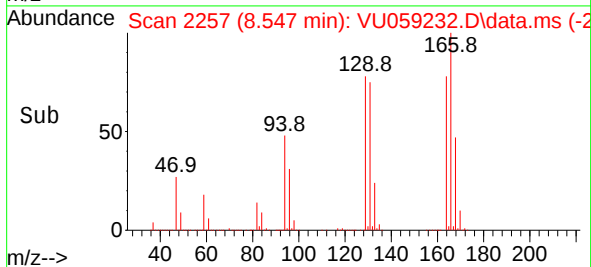
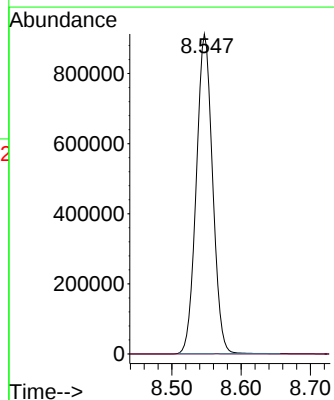
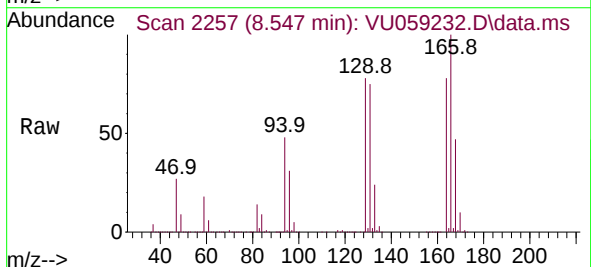


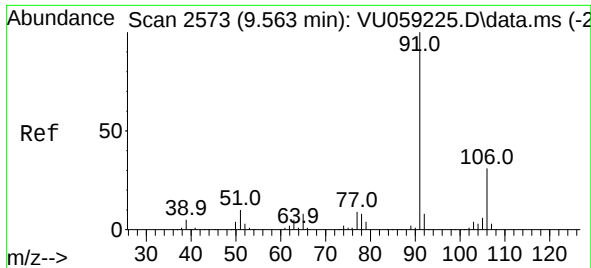
Tgt Ion:164 Resp: 1524189
Ion Ratio Lower Upper
164 100
129 98.9 70.8 131.4
131 95.3 64.8 120.3
166 127.4 91.1 169.1



#49
Dibromochloromethane
Concen: 136.149 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

Tgt Ion:129 Resp: 1490890
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#

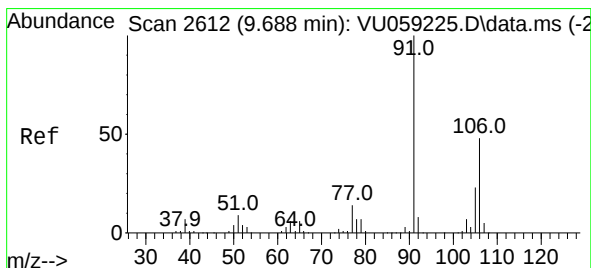
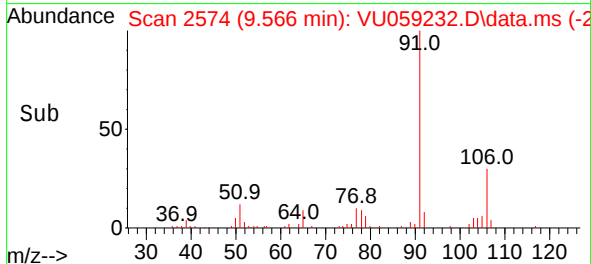
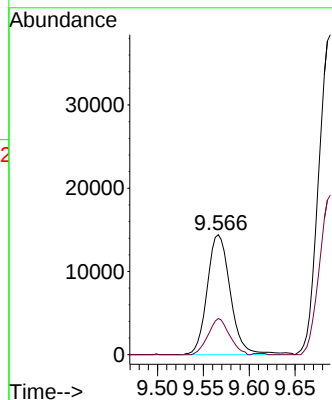
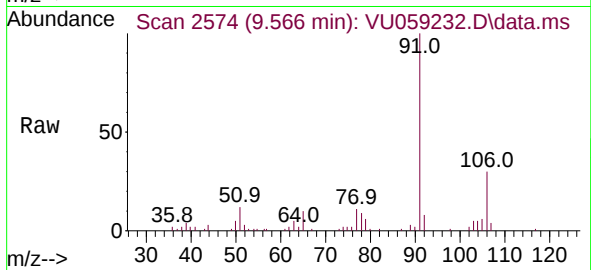




#52
Ethylbenzene
Concen: 0.432 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

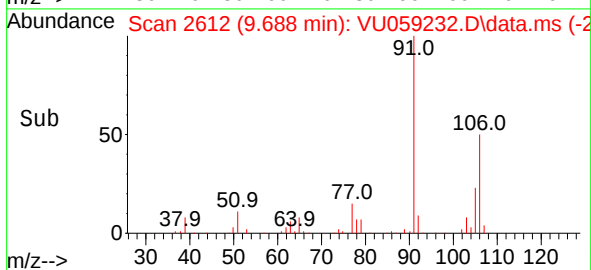
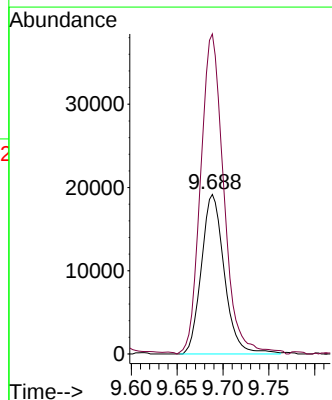
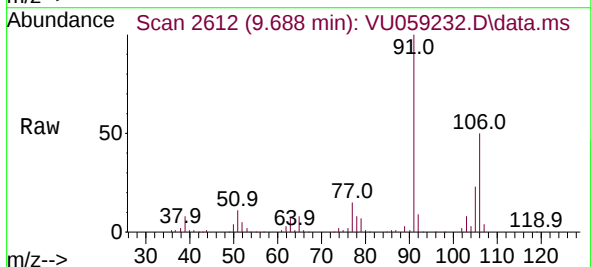
Instrument :
MSVOA_U
ClientSampleId :

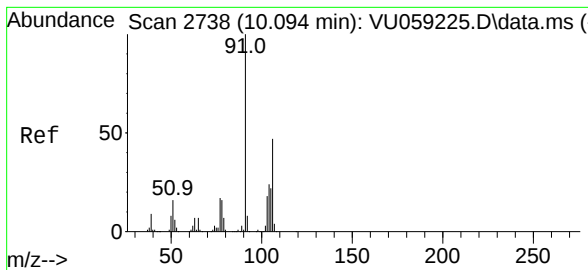
Tgt Ion: 91 Resp: 25309
Ion Ratio Lower Upper
91 100
106 30.1 20.9 38.7



#53
m,p-Xylene
Concen: 1.558 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

Tgt Ion:106 Resp: 33399
Ion Ratio Lower Upper
106 100
91 200.5 142.0 263.8

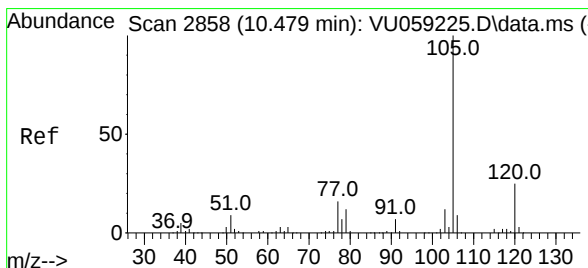
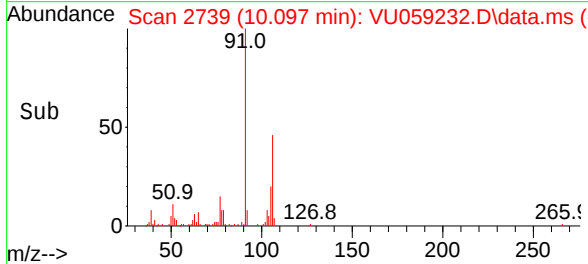
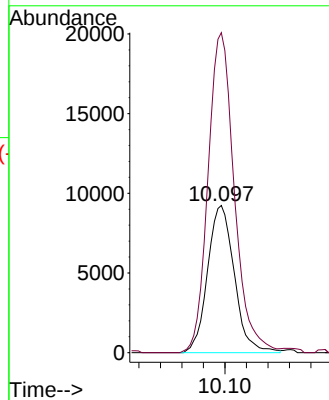
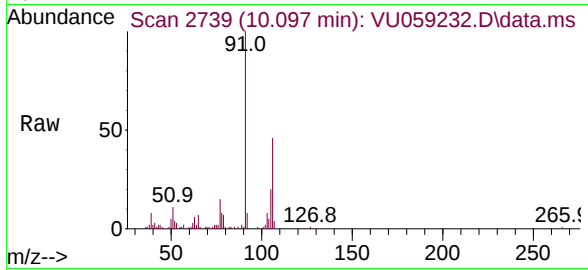




#54
o-Xylene
Concen: 0.761 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

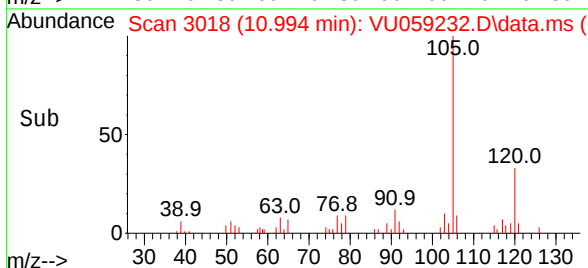
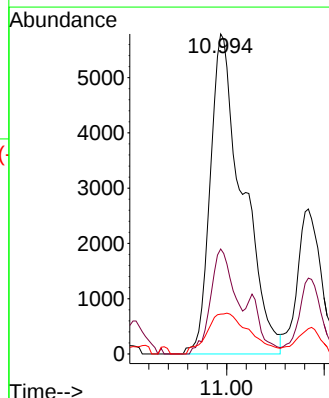
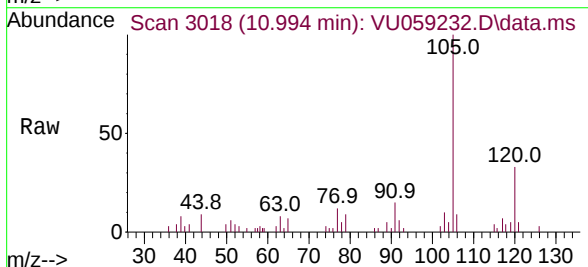
Instrument :
MSVOA_U
ClientSampleId :

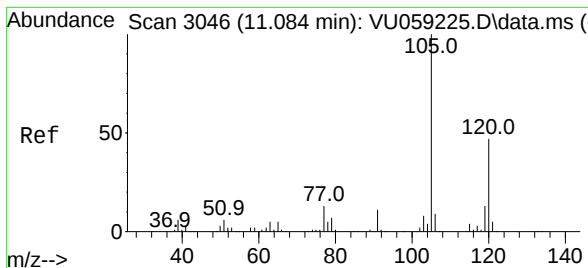
Tgt Ion:106 Resp: 15955
Ion Ratio Lower Upper
106 100
91 217.4 151.6 281.6



#60
Isopropylbenzene
Concen: 0.258 ug/L
RT: 10.994 min Scan# 3018
Delta R.T. 0.514 min
Lab File: VU059232.D
Acq: 13 Jun 2024 12:37

Tgt Ion:105 Resp: 13326
Ion Ratio Lower Upper
105 100
120 24.2 20.6 31.0
77 16.8 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 0.111 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Instrument :

MSVOA_U

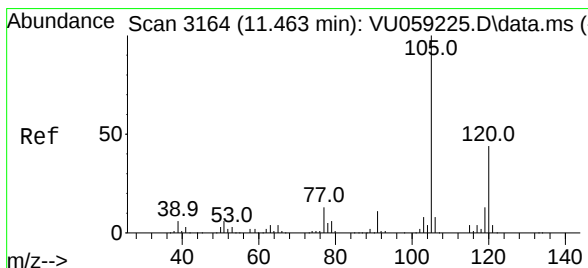
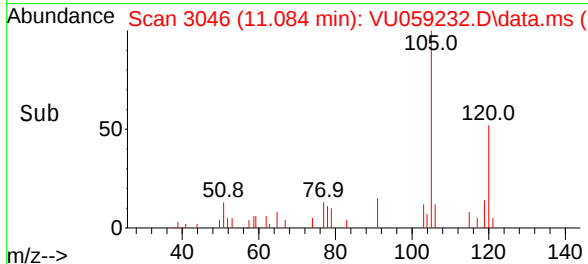
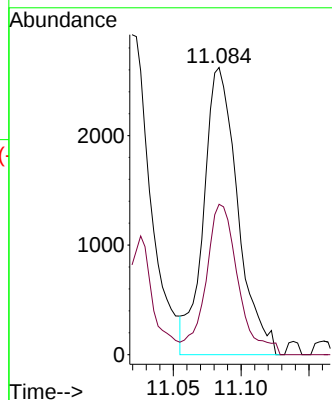
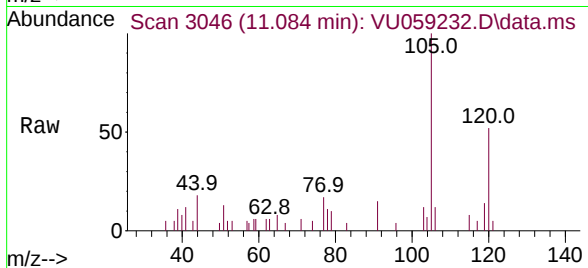
ClientSampleId :

Tgt Ion:105 Resp: 4587

Ion Ratio Lower Upper

105 100

120 49.4 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 0.291 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU059232.D

Acq: 13 Jun 2024 12:37

Tgt Ion:105 Resp: 11860

Ion Ratio Lower Upper

105 100

120 44.2 35.4 53.0

