

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070324\
 Data File : VU059819.D
 Acq On : 04 Jul 2024 00:05
 Operator : MD/SY
 Sample : P3136-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 04 02:14:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 04 02:08:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	173940	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	175499	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	96092	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	48556	4.015	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.907	69	43653	3.751	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.557	65	18961	3.779	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	4.637	46	88987	35.718	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.440%
24) Chloroform-d	5.055	84	89909	3.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.400%
26) 1,2-Dichloroethane-d4	5.695	65	42421	3.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
32) Benzene-d6	5.721	84	193538	4.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.682	67	56376	3.809	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.200%
41) Toluene-d8	7.891	98	189435	4.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.174	79	26002	5.611	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.200%
46) 2-Hexanone-d5	8.627	63	100970	52.435	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.860%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	52369	4.282	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	77867	4.553	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
15) Methyl Acetate	2.955	43	40955	9.603	ug/L #	51
16) Methylene chloride	2.968	84	19359	1.324	ug/L #	3
17) Methyl tert-butyl Ether	3.361	73	11675	0.439	ug/L #	1
21) 2-Butanone	4.637	43	6274	2.420	ug/L #	56
25) Chloroform	5.116	83	17135	0.688	ug/L #	51
27) 1,2-Dichloroethane	5.766	62	76043	5.036	ug/L #	82
30) Cyclohexane	5.380	56	2020089	112.901	ug/L	94
33) Benzene	5.766	78	9922558	186.183	ug/L	100
35) Methylcyclohexane	6.756	83	1312825	63.925	ug/L	96
37) 1,2-Dichloropropane	6.753	63	12979	0.941	ug/L #	91
40) 4-Methyl-2-pentanone	7.849	43	5442	0.852	ug/L #	50
42) Toluene	7.962	91	892608	15.820	ug/L	99
45) 1,1,2-Trichloroethane	8.364	97	61030	6.005	ug/L #	19
52) Ethylbenzene	9.563	91	2907032	50.225	ug/L	97
53) m,p-Xylene	9.688	106	2423853	109.037	ug/L	98
54) o-Xylene	10.093	106	170442	8.079	ug/L	96
55) Styrene	10.093	104	11651	0.324	ug/L #	1
60) Isopropylbenzene	10.476	105	628007	10.580	ug/L	98
61) 1,2,3-Trichloropropane	10.900	75	7862	0.885	ug/L #	1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 04 02:08:13 2024
Response via : Initial Calibration

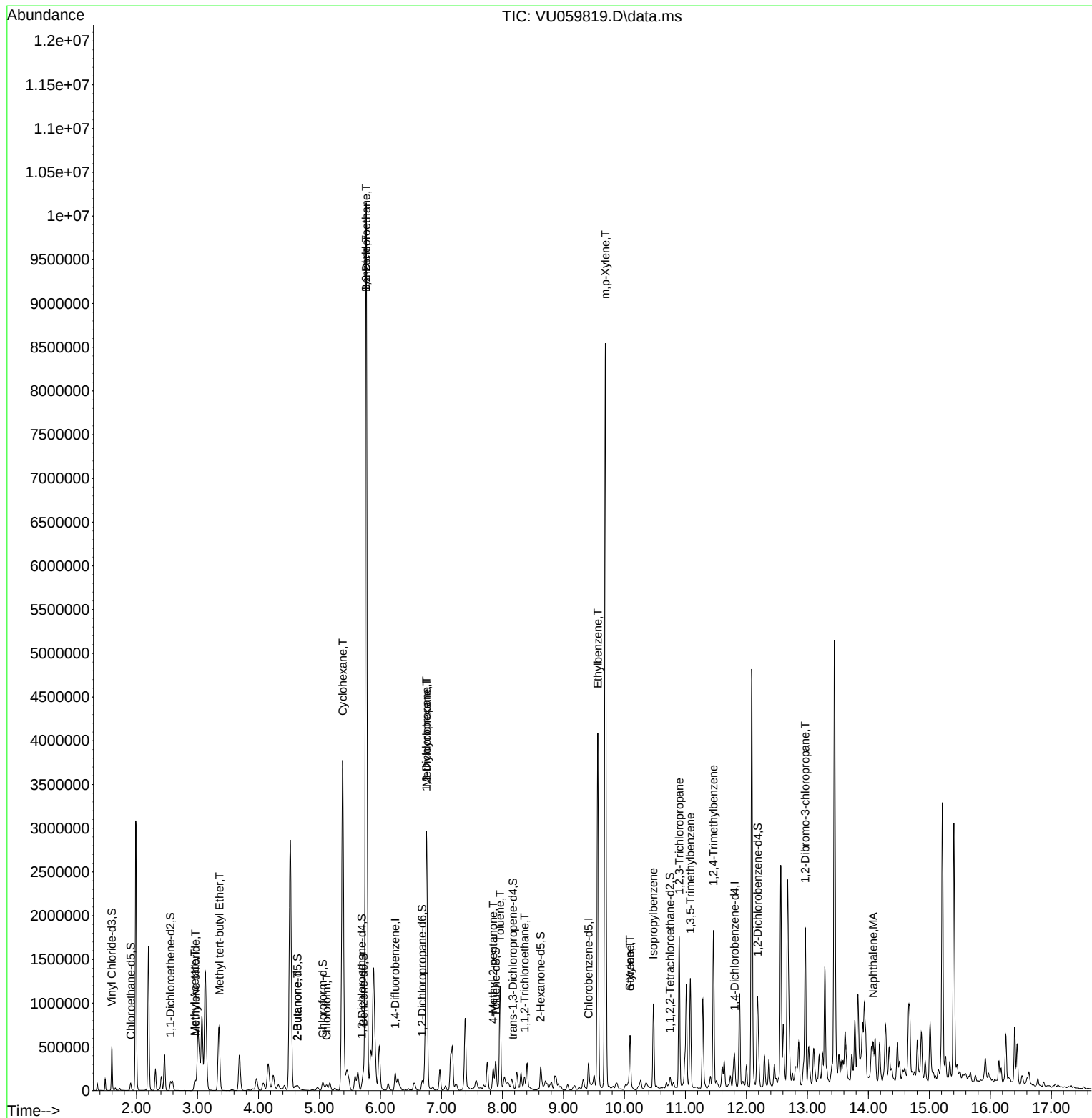
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.081	105	676680	14.389	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	970502	21.586	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.965	75	7948	4.589	ug/L #	6
71) Naphthalene	14.080	128	372668	15.188	ug/L #	93

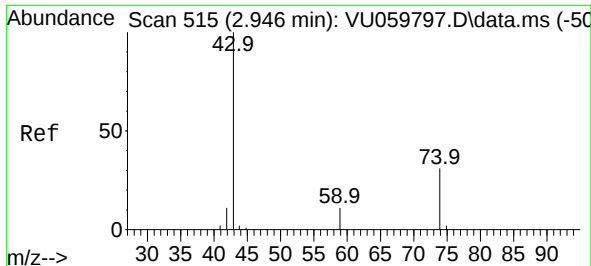
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#15

Methyl Acetate

Concen: 9.603 ug/L

RT: 2.955 min Scan# 51

Delta R.T. 0.009 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

Instrument :

MSVOA_U

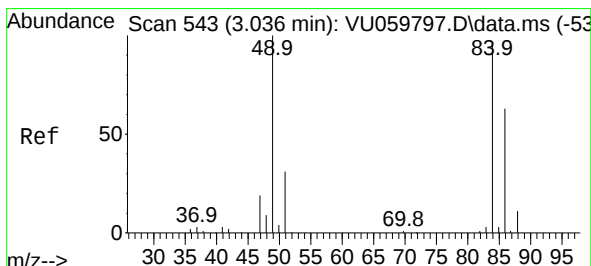
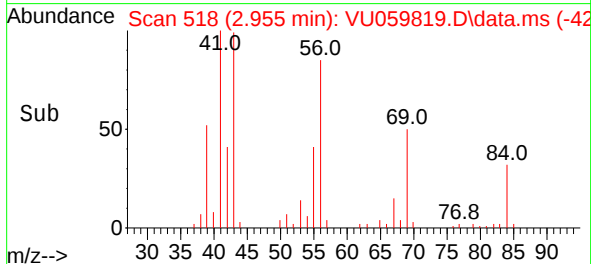
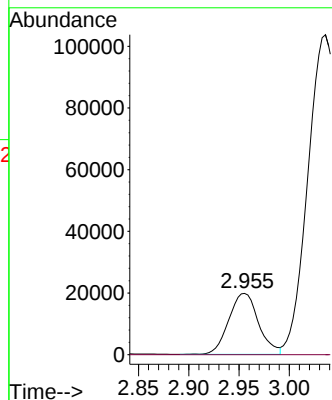
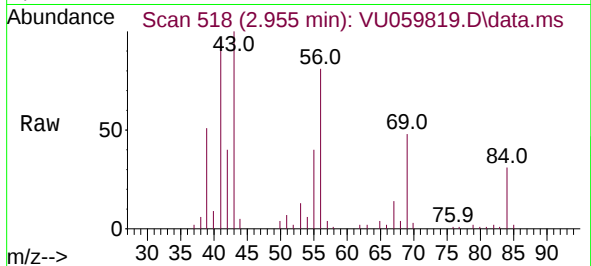
ClientSampleId :

Tgt Ion: 43 Resp: 40955

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



#16

Methylene chloride

Concen: 1.324 ug/L

RT: 2.968 min Scan# 522

Delta R.T. -0.068 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

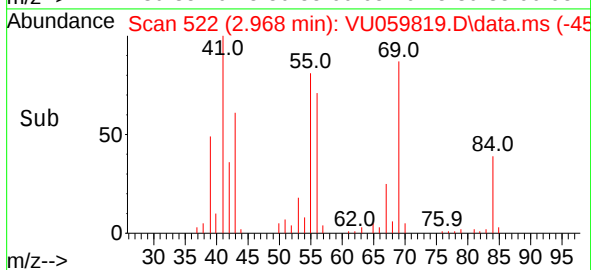
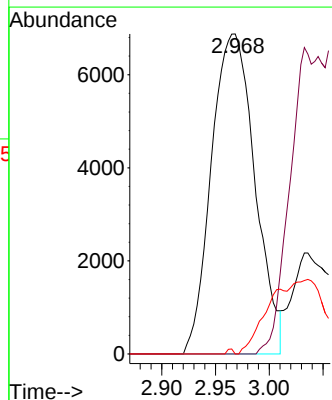
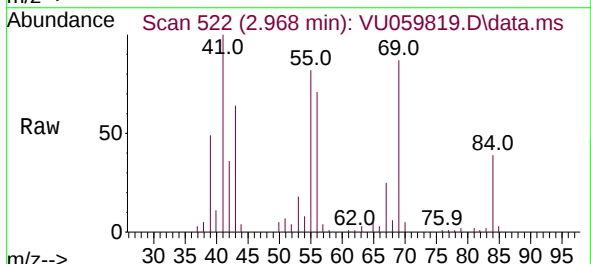
Tgt Ion: 84 Resp: 19359

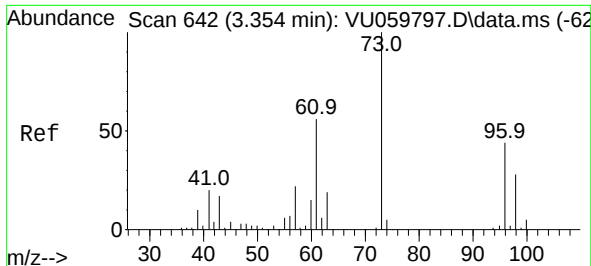
Ion Ratio Lower Upper

84 100

86 0.0 42.1 78.1#

49 0.0 80.6 149.8#

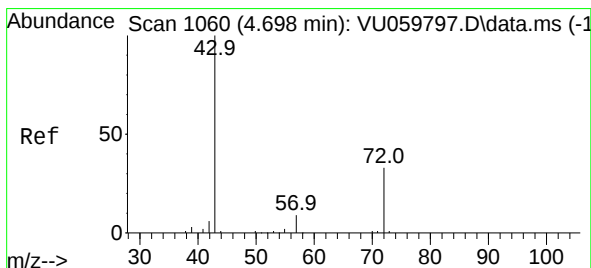
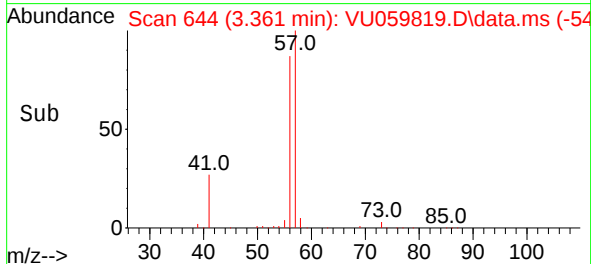
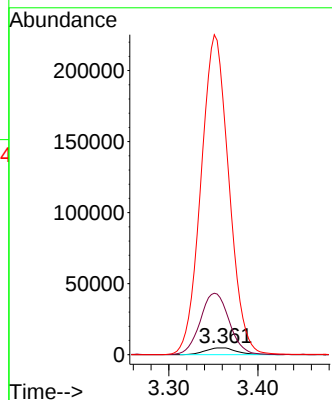
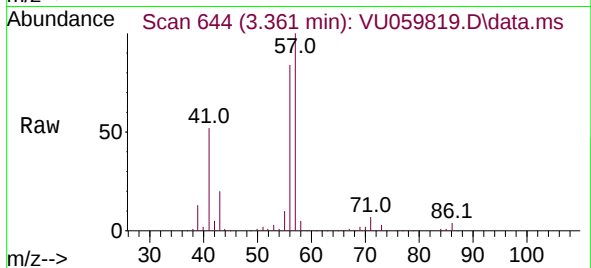




#17
Methyl tert-butyl Ether
Concen: 0.439 ug/L
RT: 3.361 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

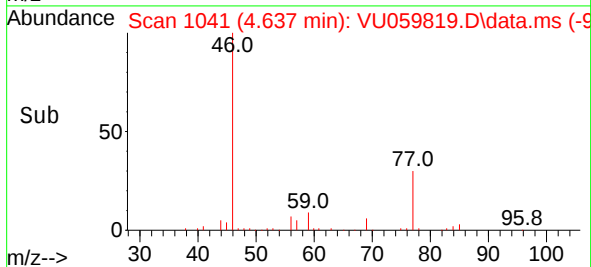
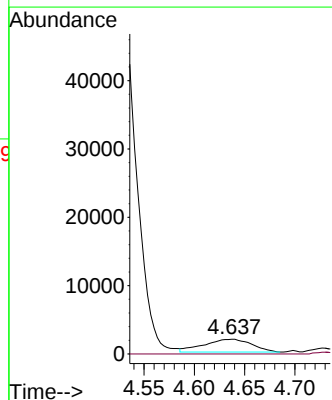
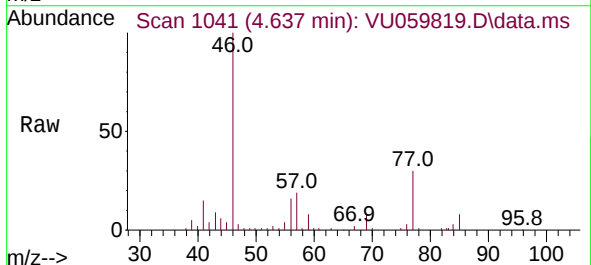
Instrument :
MSVOA_U
ClientSampleId :

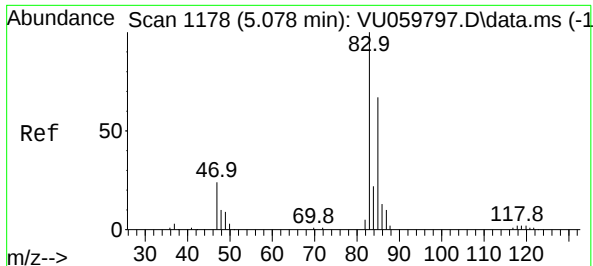
Tgt Ion: 73 Resp: 11675
Ion Ratio Lower Upper
73 100
43 831.1 14.9 22.3#
57 4198.0 18.0 27.0#



#21
2-Butanone
Concen: 2.420 ug/L
RT: 4.637 min Scan# 1041
Delta R.T. -0.061 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

Tgt Ion: 43 Resp: 6274
Ion Ratio Lower Upper
43 100
72 4.5 13.8 41.4#

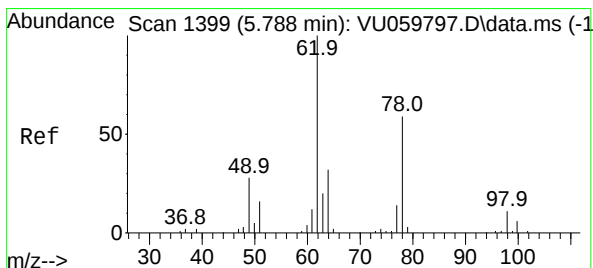
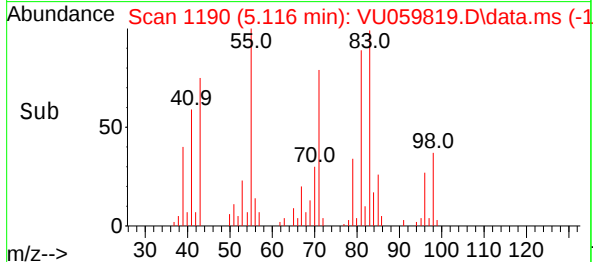
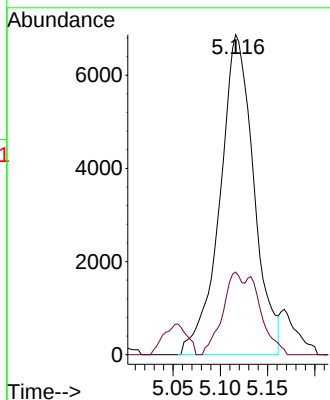
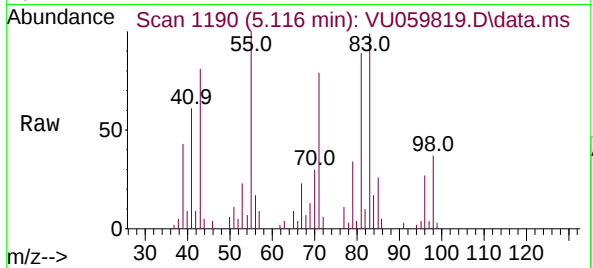




#25
Chloroform
Concen: 0.688 ug/L
RT: 5.116 min Scan# 1178
Delta R.T. 0.038 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

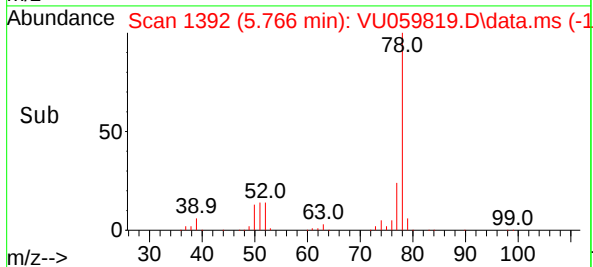
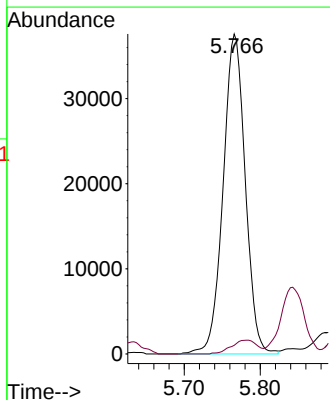
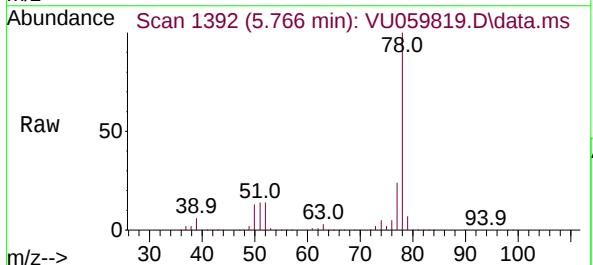
Instrument :
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ClientSampleId :

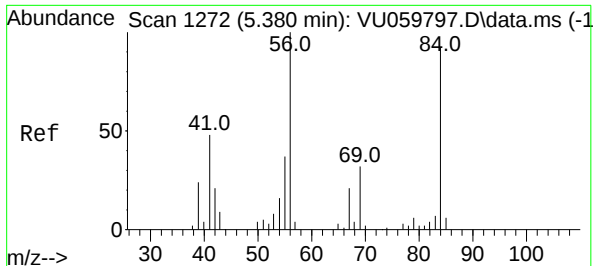
Tgt Ion: 83 Resp: 17135
Ion Ratio Lower Upper
83 100
85 25.8 44.7 83.1#



#27
1,2-Dichloroethane
Concen: 5.036 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.023 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

Tgt Ion: 62 Resp: 76043
Ion Ratio Lower Upper
62 100
98 2.7 7.5 11.3#





#30

Cyclohexane

Concen: 112.901 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

Instrument :

MSVOA_U

ClientSampleId :

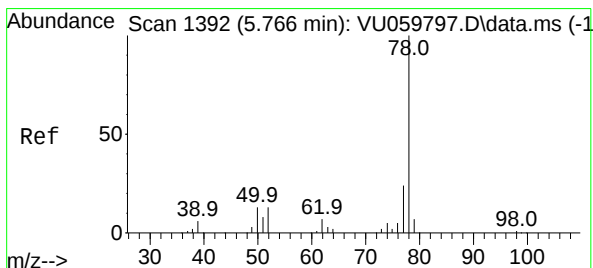
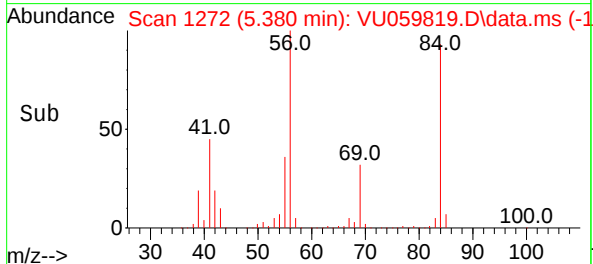
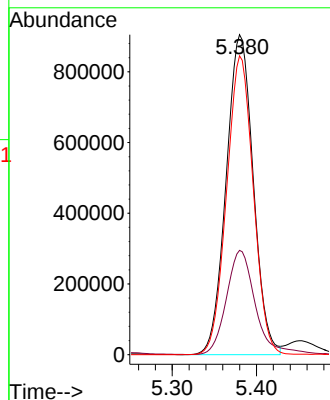
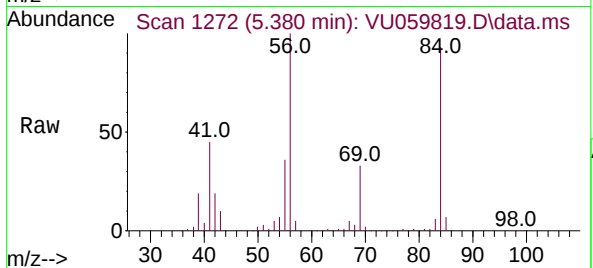
Tgt Ion: 56 Resp: 2020089

Ion Ratio Lower Upper

56 100

69 35.0 24.8 37.2

84 92.0 69.8 104.8



#33

Benzene

Concen: 186.183 ug/L

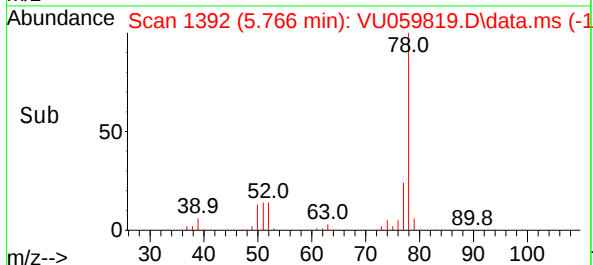
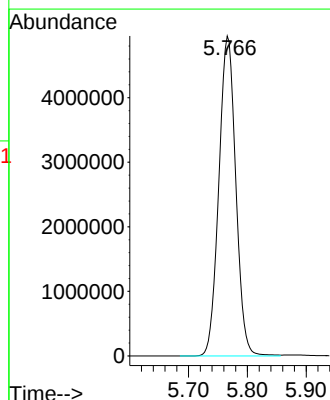
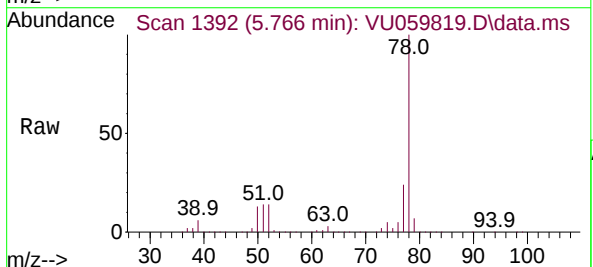
RT: 5.766 min Scan# 1392

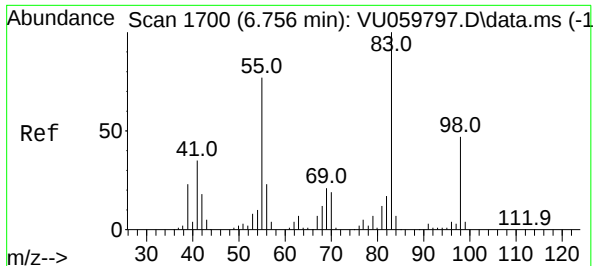
Delta R.T. -0.000 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

Tgt Ion: 78 Resp: 9922558

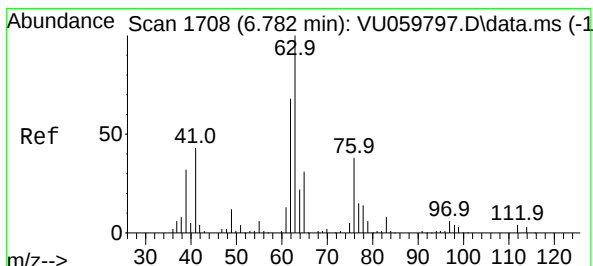
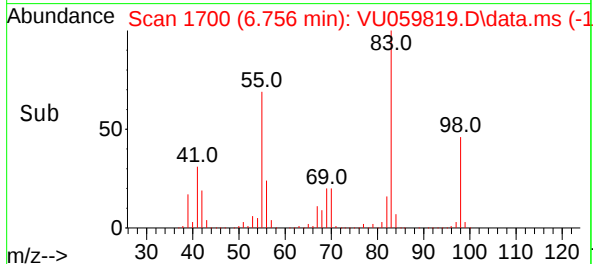
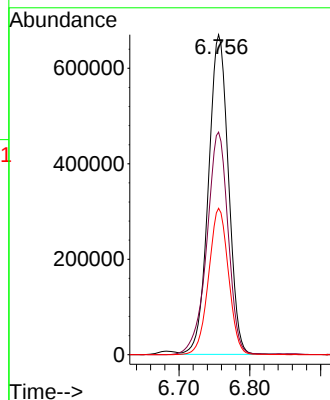
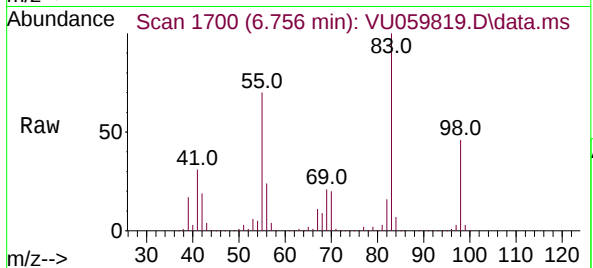




#35
Methylcyclohexane
Concen: 63.925 ug/L
RT: 6.756 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

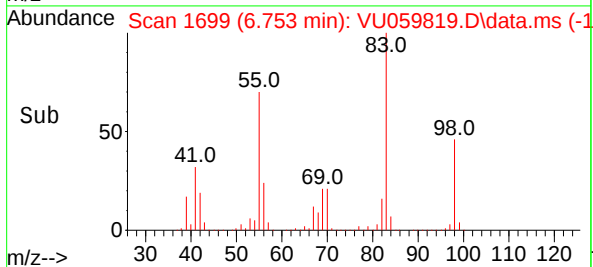
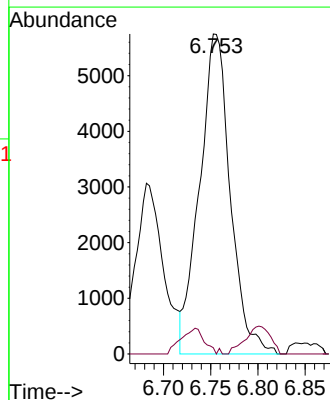
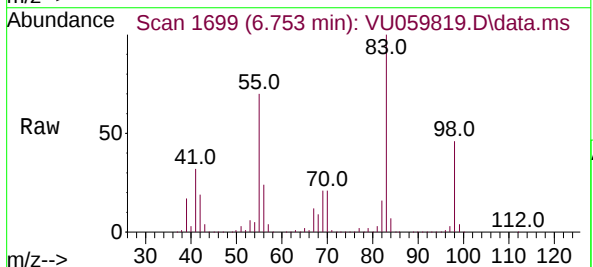
Instrument :
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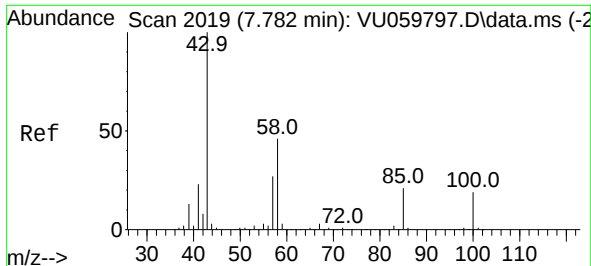
Tgt Ion: 83 Resp: 1312825
Ion Ratio Lower Upper
83 100
55 74.2 62.7 94.1
98 45.7 35.4 53.0



#37
1,2-Dichloropropane
Concen: 0.941 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.029 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

Tgt Ion: 63 Resp: 12979
Ion Ratio Lower Upper
63 100
112 6.2 2.6 3.8#

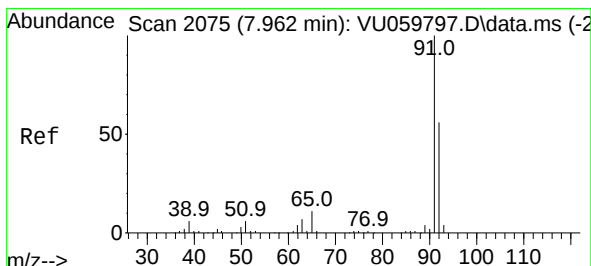
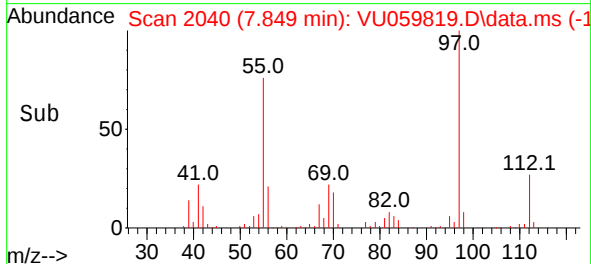
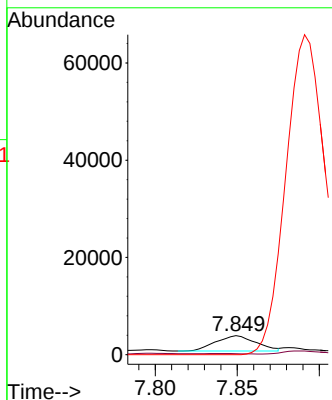
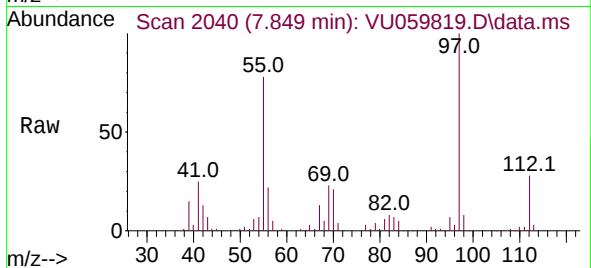




#40
4-Methyl-2-pentanone
Concen: 0.852 ug/L
RT: 7.849 min Scan# 2040
Delta R.T. 0.067 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

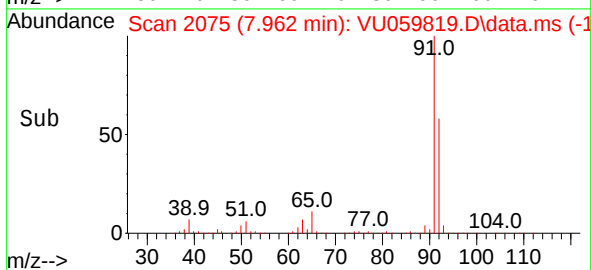
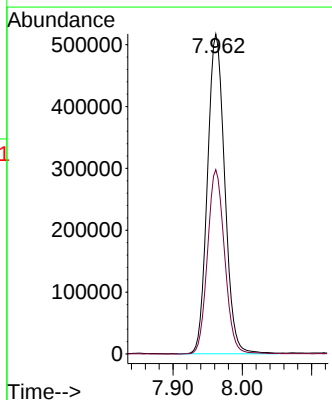
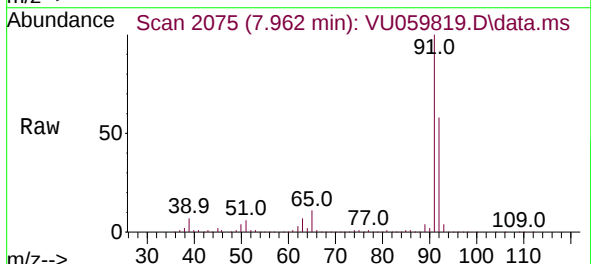
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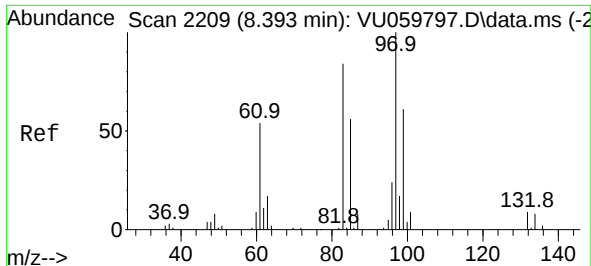
Tgt Ion: 43 Resp: 5442
Ion Ratio Lower Upper
43 100
58 8.0 34.0 51.0#
100 0.0 12.1 18.1#



#42
Toluene
Concen: 15.820 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

Tgt Ion: 91 Resp: 892608
Ion Ratio Lower Upper
91 100
92 57.6 39.7 73.7

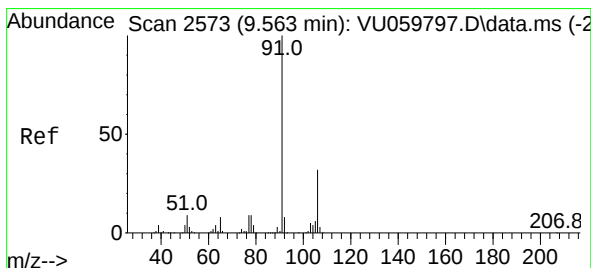
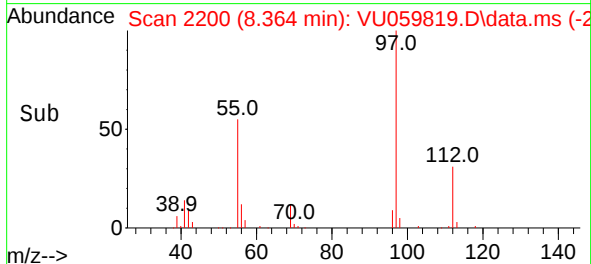
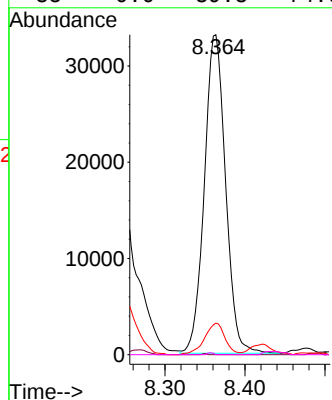
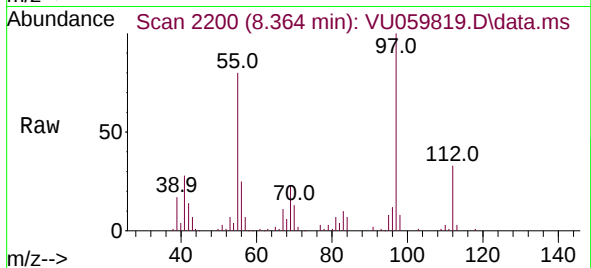




#45
1,1,2-Trichloroethane
Concen: 6.005 ug/L
RT: 8.364 min Scan# 21
Delta R.T. -0.029 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

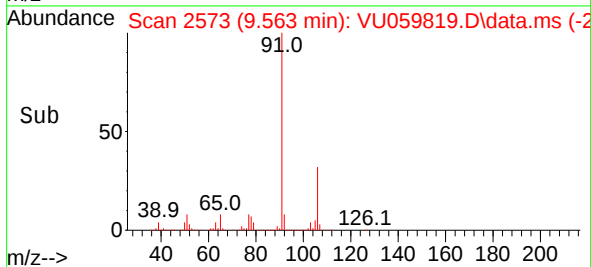
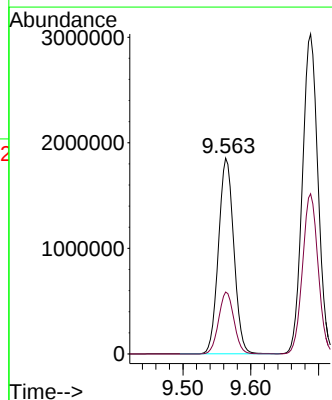
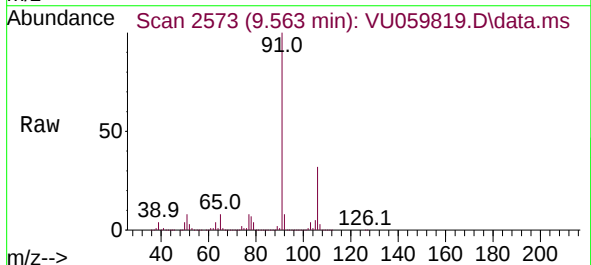
Instrument :
MSVOA_U
ClientSampleId :

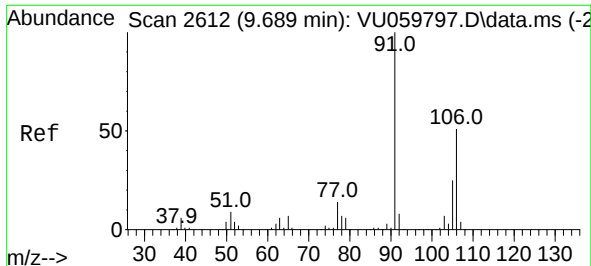
Tgt Ion: 97 Resp: 61030
Ion Ratio Lower Upper
97 100
99 0.0 43.3 80.3#
83 9.8 62.3 115.7#
85 0.0 39.8 74.0#



#52
Ethylbenzene
Concen: 50.225 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

Tgt Ion: 91 Resp: 2907032
Ion Ratio Lower Upper
91 100
106 31.6 20.9 38.7





#53

m,p-Xylene

Concen: 109.037 ug/L

RT: 9.688 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

Instrument :

MSVOA_U

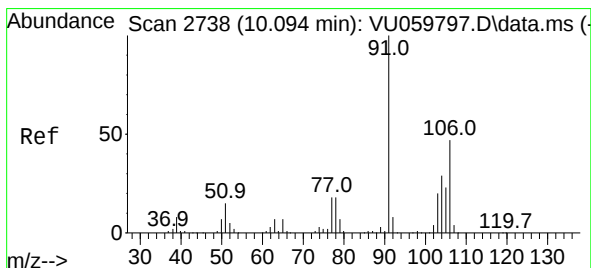
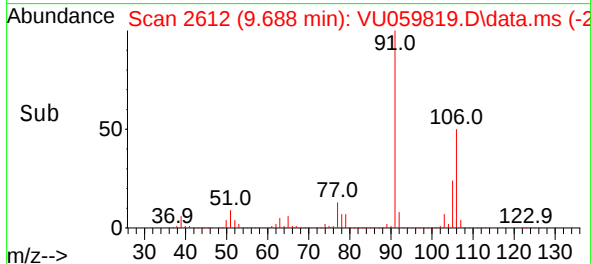
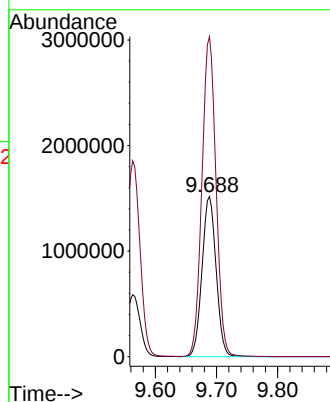
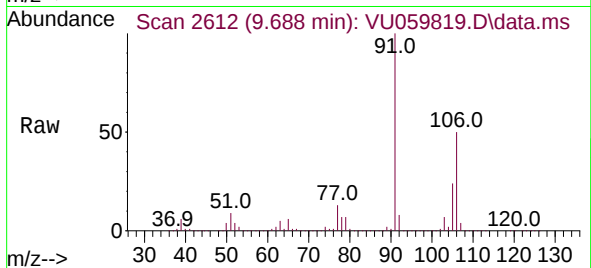
ClientSampleId :

Tgt Ion:106 Resp: 2423853

Ion Ratio Lower Upper

106 100

91 199.7 142.0 263.8



#54

o-Xylene

Concen: 8.079 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU059819.D

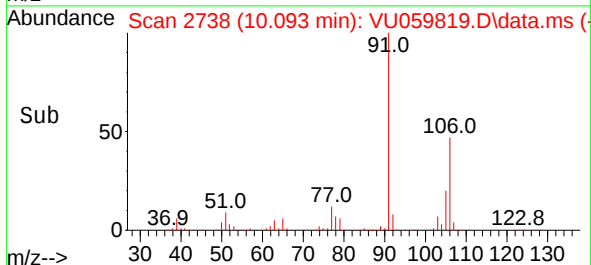
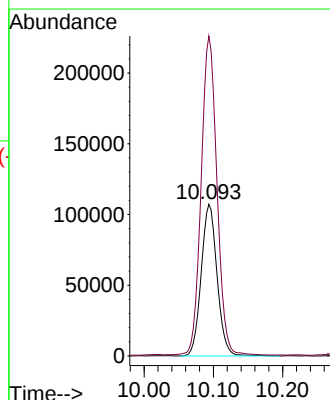
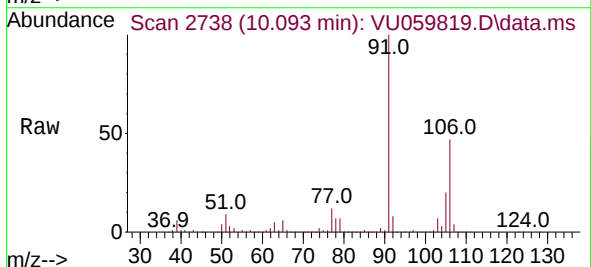
Acq: 04 Jul 2024 00:05

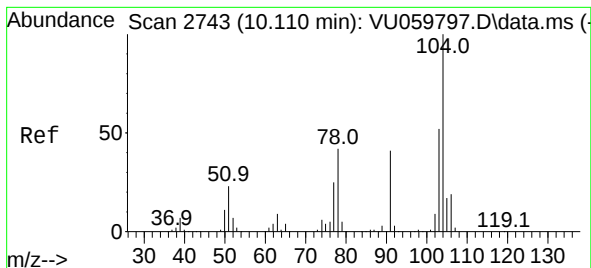
Tgt Ion:106 Resp: 170442

Ion Ratio Lower Upper

106 100

91 210.9 151.6 281.6





#55

Styrene

Concen: 0.324 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.016 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

Instrument :

MSVOA_U

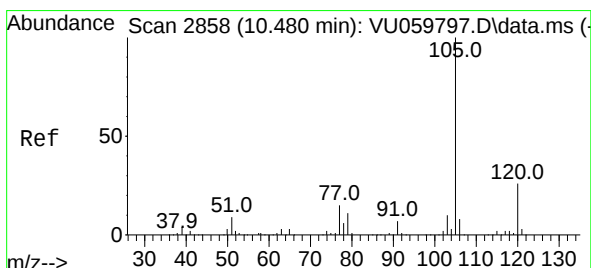
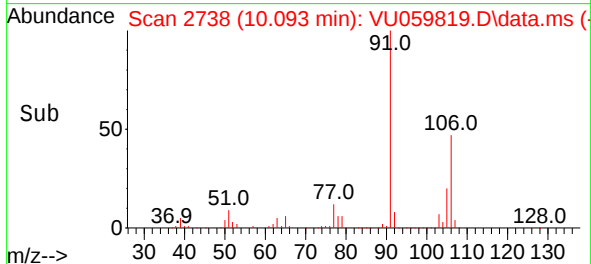
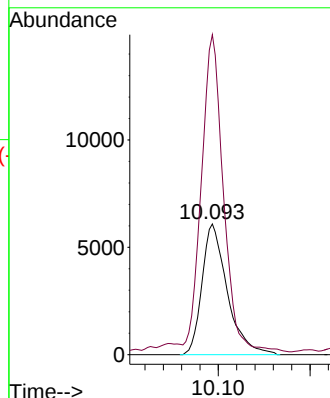
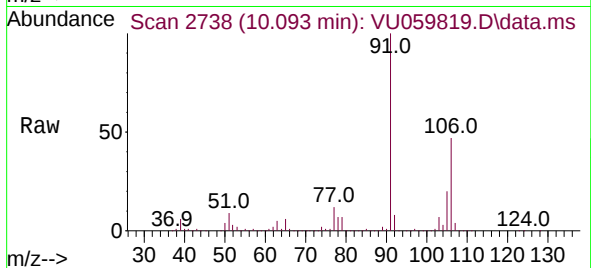
ClientSampleId :

Tgt Ion:104 Resp: 11651

Ion Ratio Lower Upper

104 100

78 244.7 32.3 60.1#



#60

Isopropylbenzene

Concen: 10.580 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

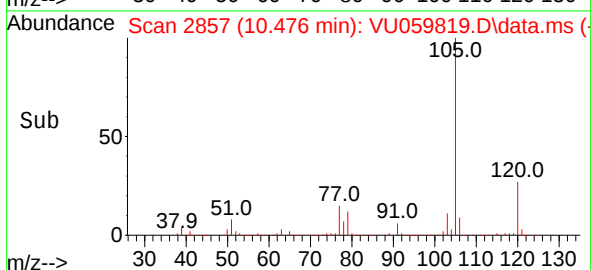
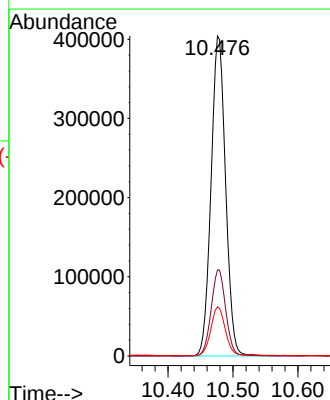
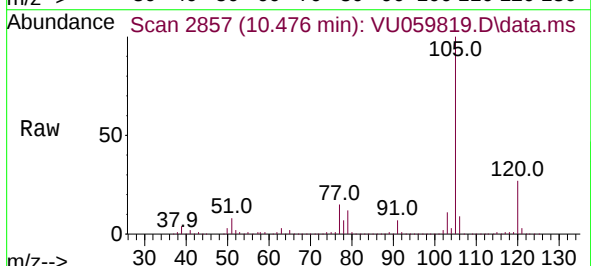
Tgt Ion:105 Resp: 628007

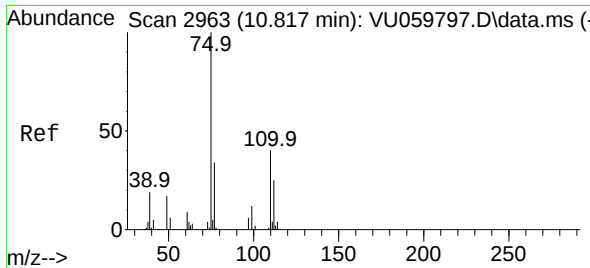
Ion Ratio Lower Upper

105 100

120 27.0 20.6 31.0

77 15.3 12.8 19.2

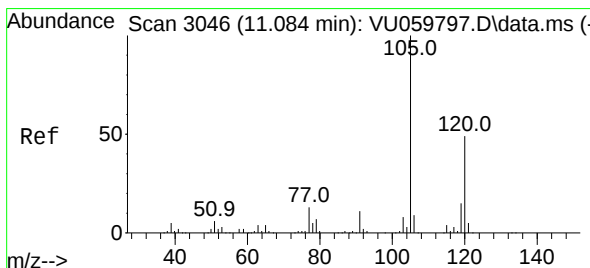
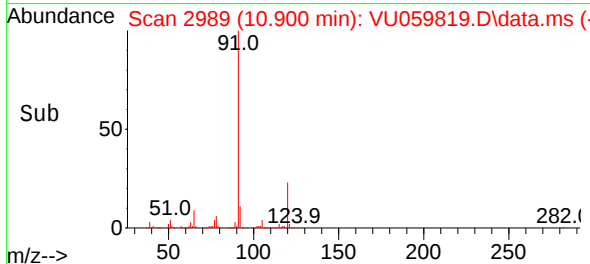
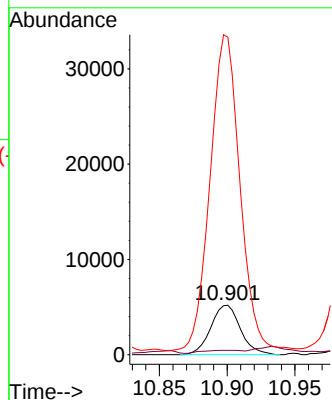
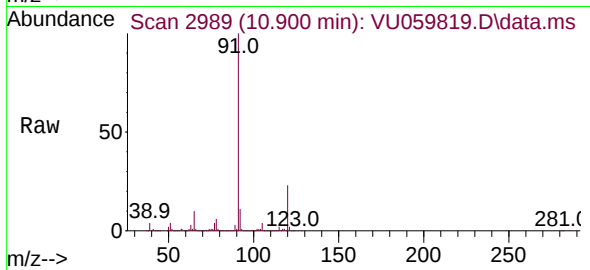




#61
1,2,3-Trichloropropane
Concen: 0.885 ug/L
RT: 10.900 min Scan# 2963
Delta R.T. 0.083 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

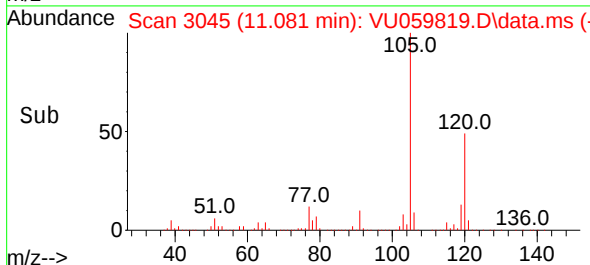
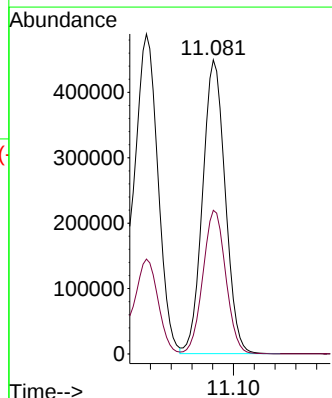
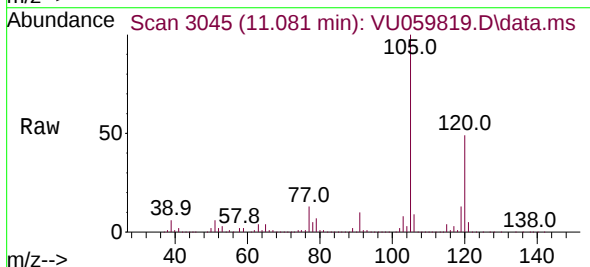
Instrument :
MSVOA_U
ClientSampleId :

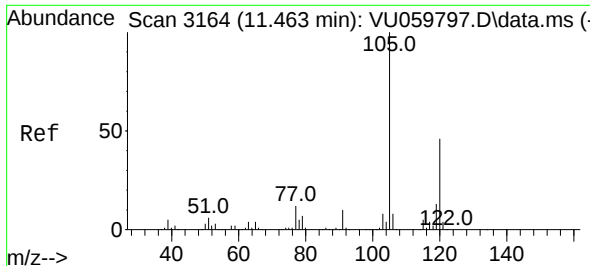
Tgt Ion:	75	Resp:	7862
Ion Ratio	Lower	Upper	
75	100		
110	8.5	27.1	40.7#
77	644.6	25.4	38.2#



#62
1,3,5-Trimethylbenzene
Concen: 14.389 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU059819.D
Acq: 04 Jul 2024 00:05

Tgt Ion:	105	Resp:	676680
Ion Ratio	Lower	Upper	
105	100		
120	49.4	38.2	57.4





#63

1,2,4-Trimethylbenzene

Concen: 21.586 ug/L

RT: 11.460 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

Instrument :

MSVOA_U

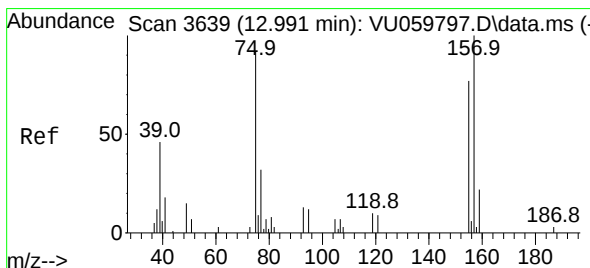
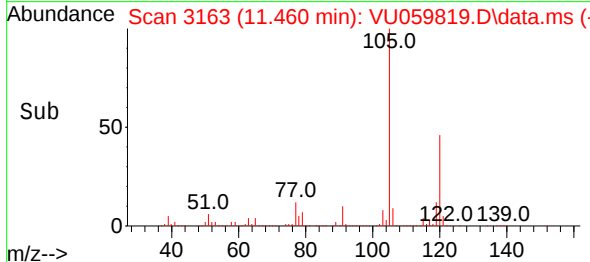
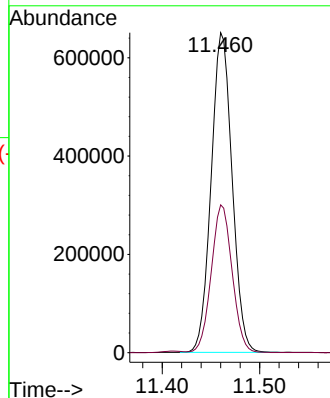
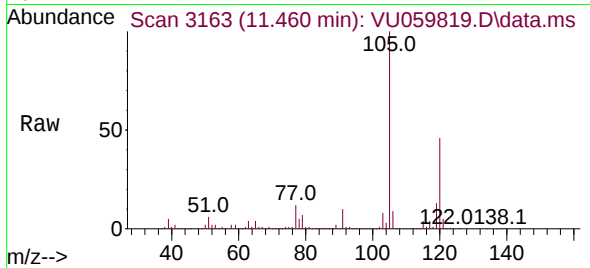
ClientSampleId :

Tgt Ion:105 Resp: 970502

Ion Ratio Lower Upper

105 100

120 46.1 35.4 53.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.589 ug/L

RT: 12.965 min Scan# 3631

Delta R.T. -0.026 min

Lab File: VU059819.D

Acq: 04 Jul 2024 00:05

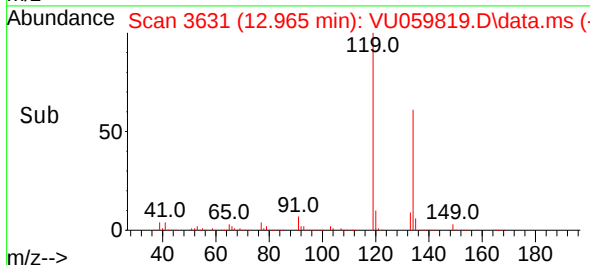
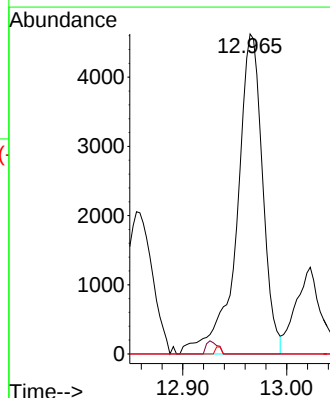
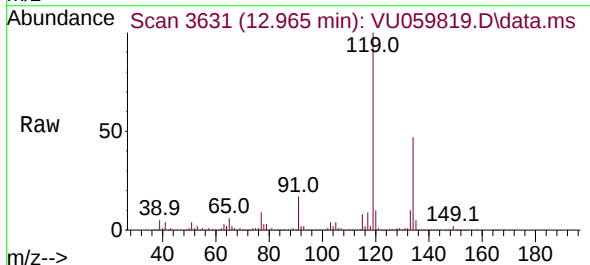
Tgt Ion: 75 Resp: 7948

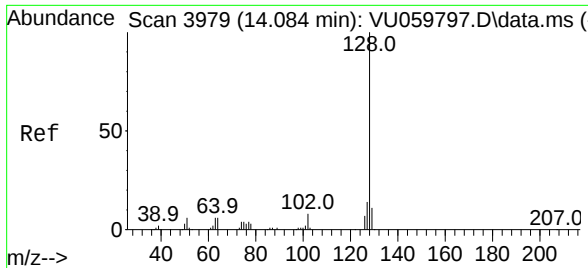
Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.2#

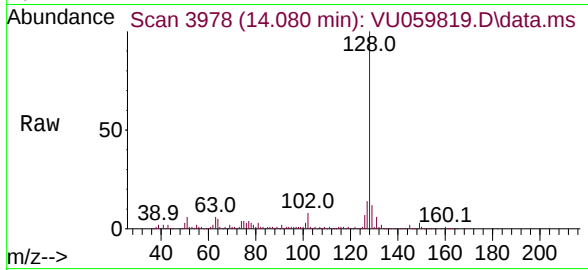
157 0.0 80.0 120.0#





#71
 Naphthalene
 Concen: 15.188 ug/L
 RT: 14.080 min Scan# 3978
 Delta R.T. -0.003 min
 Lab File: VU059819.D
 Acq: 04 Jul 2024 00:05

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 372668
 Ion Ratio Lower Upper
 128 100
 129 12.7 8.2 12.4#
 127 15.4 10.2 15.4#

