

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070124\
 Data File : VU059711.D
 Acq On : 02 Jul 2024 02:04
 Operator : MD/SY
 Sample : P3121-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 03:56:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 29 01:51:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	220642	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	217259	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	112791	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	34535	2.251	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	45.000%
7) Chloroethane-d5	1.904	69	38738	2.624	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	52.400%#
11) 1,1-Dichloroethene-d2	2.554	65	17685	2.778	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.600%#
20) 2-Butanone-d5	4.637	46	140929	44.593	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.180%
24) Chloroform-d	5.052	84	108972	3.460	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.200%#
26) 1,2-Dichloroethane-d4	5.692	65	55898	3.685	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
32) Benzene-d6	5.717	84	214876	3.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.800%
36) 1,2-Dichloropropane-d6	6.682	67	70280	3.836	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.800%
41) Toluene-d8	7.891	98	191337	3.442	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.800%#
43) trans-1,3-Dichloroprop...	8.174	79	22068	3.846	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.627	63	134876	56.579	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.160%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	65799	4.346	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	83517	4.160	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.483	50	13121	0.652	ug/L #	67
5) Vinyl chloride	1.595	62	143514	6.457	ug/L	99
12) 1,1-Dichloroethene	2.566	96	6082	0.389	ug/L #	1
14) Carbon disulfide	2.782	76	19807	0.379	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	3147	0.193	ug/L	94
22) cis-1,2-Dichloroethene	4.653	96	856853	47.767	ug/L	95
30) Cyclohexane	5.373	56	6932	0.313	ug/L	94
34) Trichloroethene	6.534	95	798253	44.676	ug/L	95
35) Methylcyclohexane	6.753	83	10944	0.430	ug/L	93
37) 1,2-Dichloropropane	6.682	63	7189	0.421	ug/L #	90
45) 1,1,2-Trichloroethane	8.364	97	2876	0.229	ug/L #	20
47) Tetrachloroethene	8.547	164	535428	38.618	ug/L	96
49) Dibromochloromethane	8.544	129	494694	35.494	ug/L #	12
52) Ethylbenzene	9.566	91	5978	0.083	ug/L	95
53) m,p-Xylene	9.688	106	9503	0.345	ug/L	87
54) o-Xylene	10.097	106	3060	0.117	ug/L	91
60) Isopropylbenzene	10.479	105	15660	0.225	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	4779	0.087	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	21232	0.402	ug/L	99

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QLast Update : Sat Jun 29 01:51:23 2024
Response via : Initial Calibration

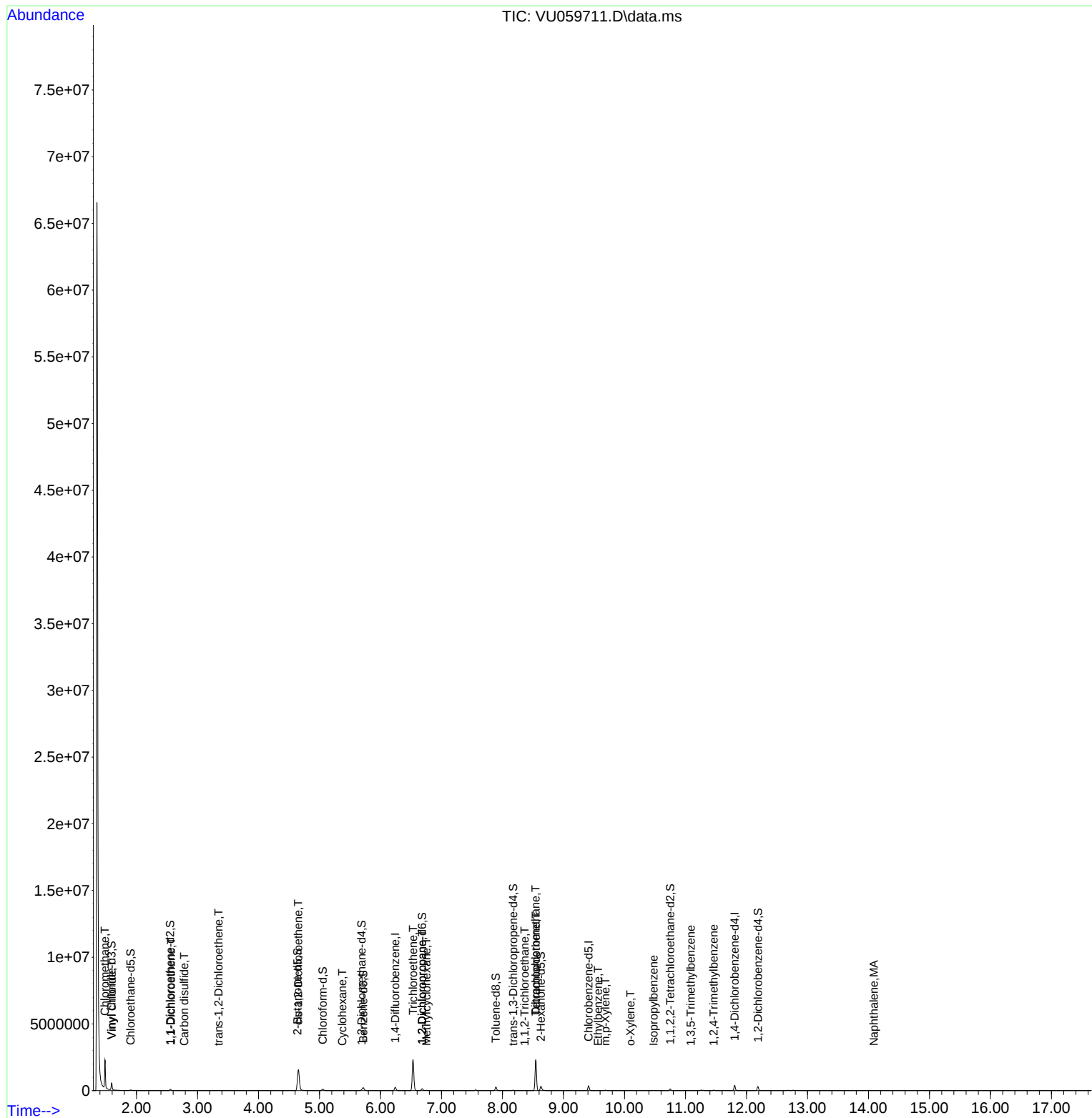
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.087	128	10137	0.352	ug/L	# 96

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

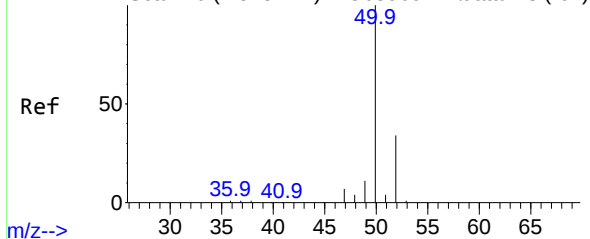
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070124\
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Abundance Scan 70 (1.515 min): VU059697.D\data.ms (-62)



#3

Chloromethane

Concen: 0.652 ug/L

RT: 1.483 min Scan# 60

Delta R.T. -0.032 min

Lab File: VU059711.D

Acq: 02 Jul 2024 02:04

Instrument :

MSVOA_U

ClientSampleId :

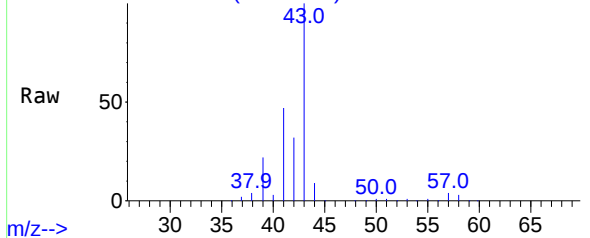
Tgt Ion: 50 Resp: 13121

Ion Ratio Lower Upper

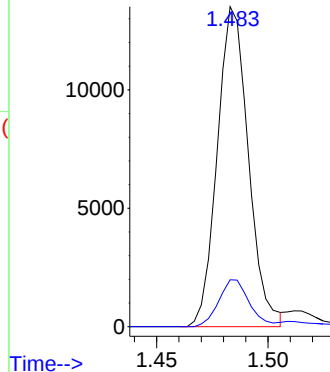
50 100

52 14.6 23.2 43.0#

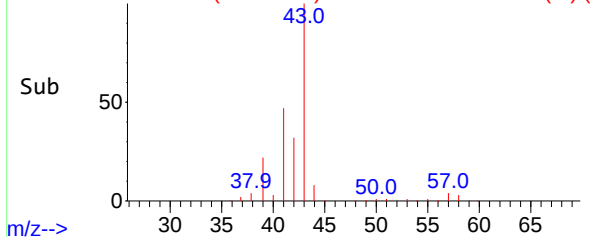
Abundance Scan 60 (1.483 min): VU059711.D\data.ms



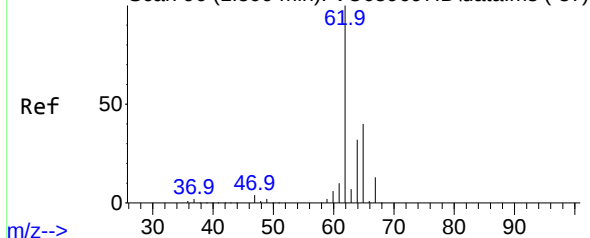
Abundance



Abundance Scan 60 (1.483 min): VU059711.D\data.ms (-1)



Abundance Scan 96 (1.599 min): VU059697.D\data.ms (-87)



#5

Vinyl chloride

Concen: 6.457 ug/L

RT: 1.595 min Scan# 95

Delta R.T. -0.003 min

Lab File: VU059711.D

Acq: 02 Jul 2024 02:04

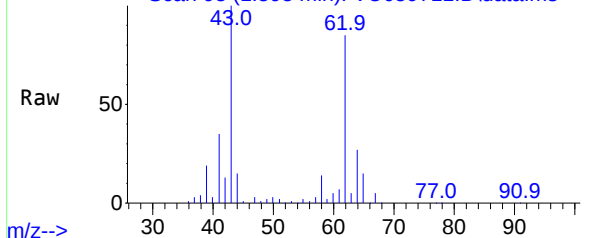
Tgt Ion: 62 Resp: 143514

Ion Ratio Lower Upper

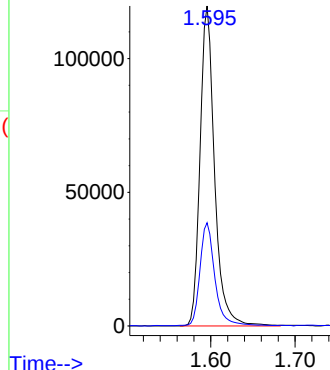
62 100

64 32.3 23.1 42.9

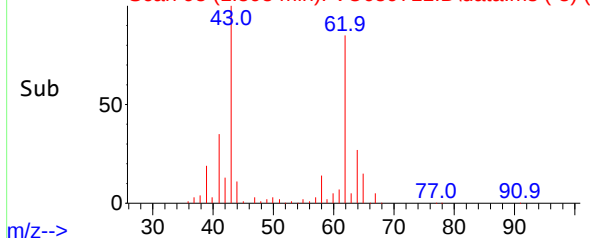
Abundance Scan 95 (1.595 min): VU059711.D\data.ms

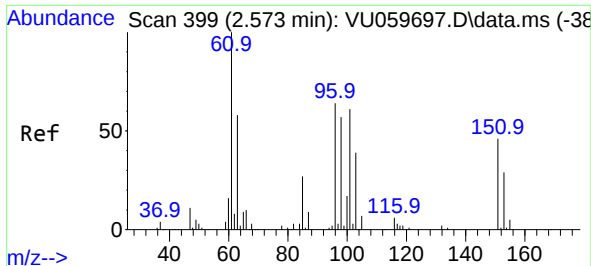


Abundance



Abundance Scan 95 (1.595 min): VU059711.D\data.ms (-3)

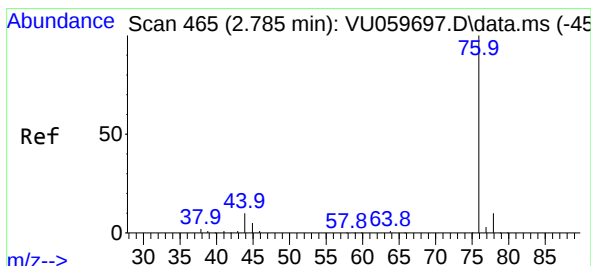
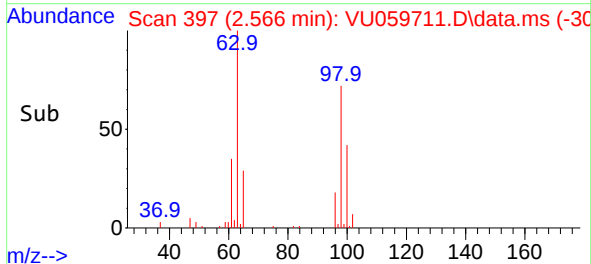
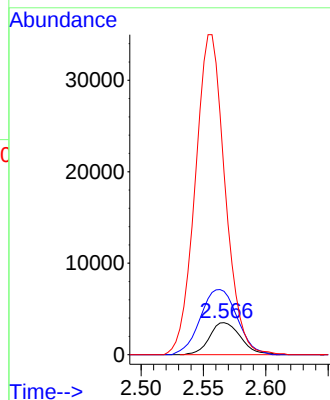
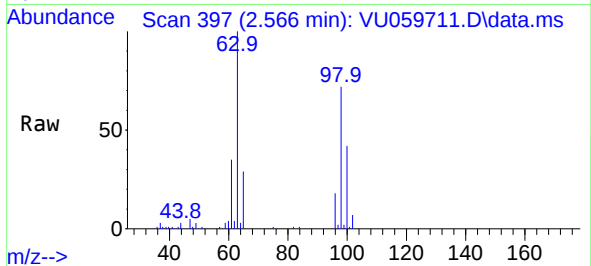




#12
1,1-Dichloroethene
Concen: 0.389 ug/L
RT: 2.566 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

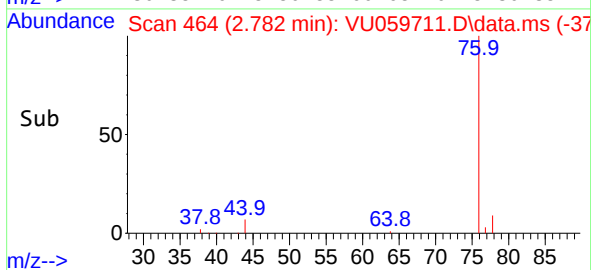
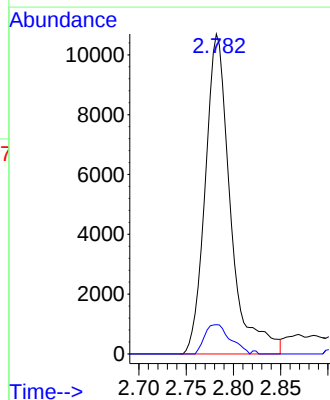
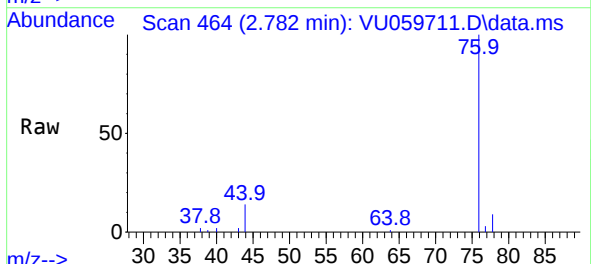
Instrument :
MSVOA_U
ClientSampleId :

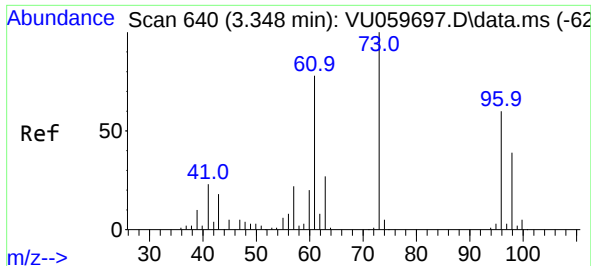
Tgt Ion: 96 Resp: 6082
Ion Ratio Lower Upper
96 100
61 197.4 122.9 228.3
63 568.4 80.4 149.4#



#14
Carbon disulfide
Concen: 0.379 ug/L
RT: 2.782 min Scan# 464
Delta R.T. -0.003 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

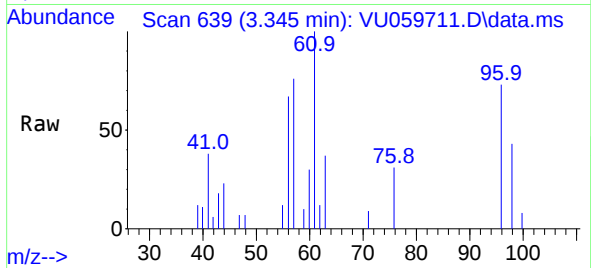
Tgt Ion: 76 Resp: 19807
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



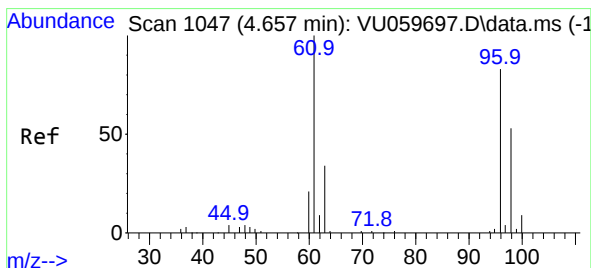
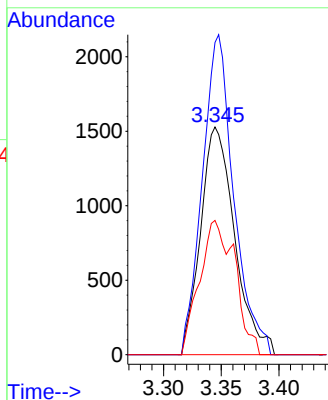
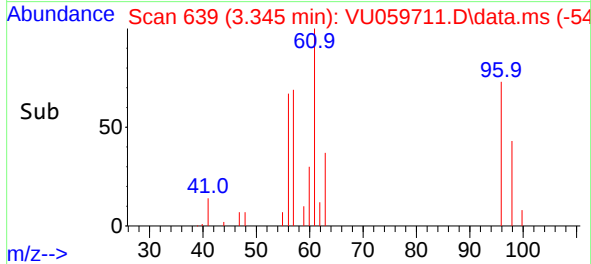


#18
trans-1,2-Dichloroethene
Concen: 0.193 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

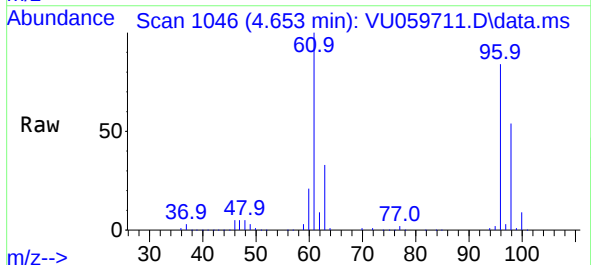
Instrument :
MSVOA_U
ClientSampleId :



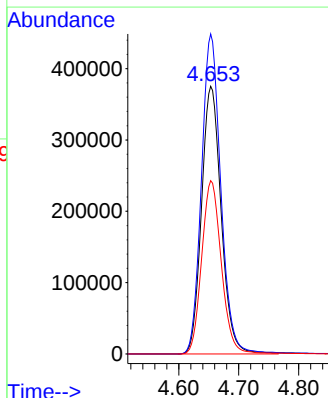
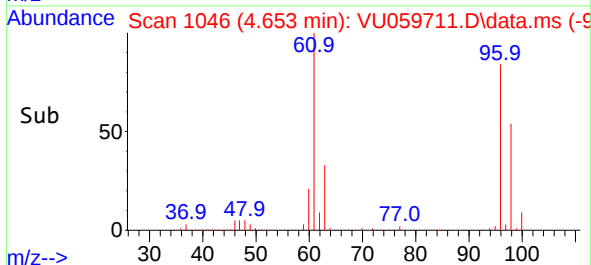
Tgt Ion: 96 Resp: 3147
Ion Ratio Lower Upper
96 100
61 137.1 101.8 189.0
98 59.0 43.3 80.5

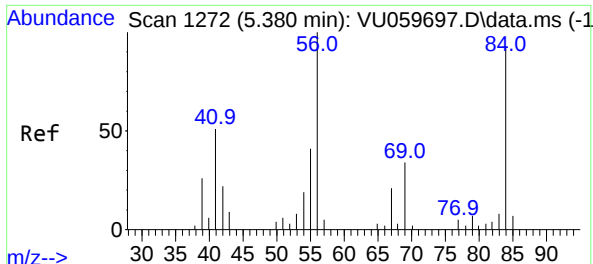


#22
cis-1,2-Dichloroethene
Concen: 47.767 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04



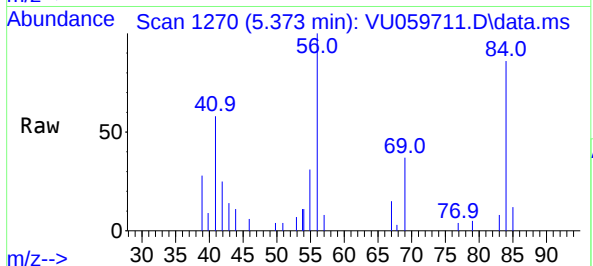
Tgt Ion: 96 Resp: 856853
Ion Ratio Lower Upper
96 100
61 119.5 87.4 162.2
98 64.7 42.3 78.5





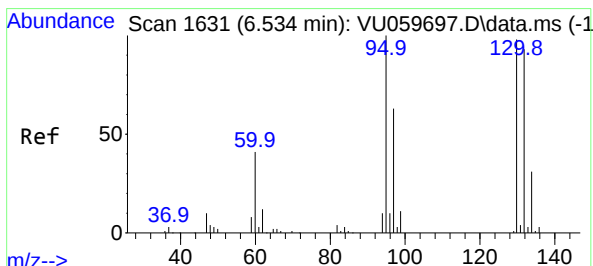
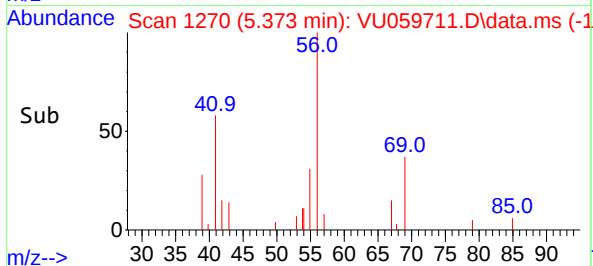
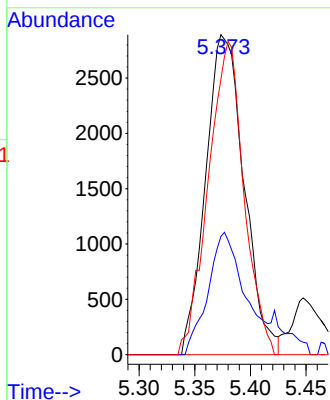
#30
Cyclohexane
Concen: 0.313 ug/L
RT: 5.373 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 56 Resp: 6932

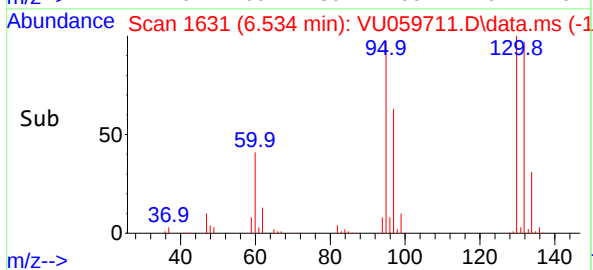
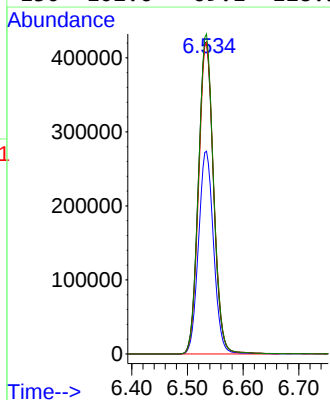
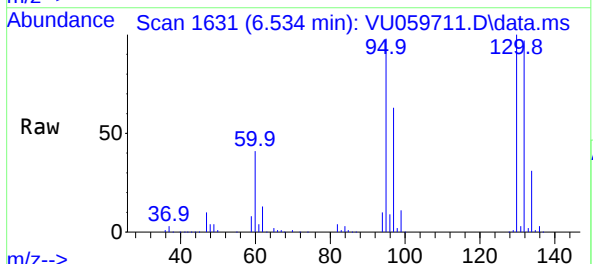
Ion	Ratio	Lower	Upper
56	100		
69	36.6	24.8	37.2
84	90.8	69.8	104.8

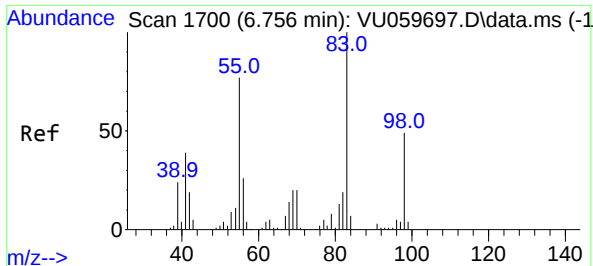


#34
Trichloroethene
Concen: 44.676 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Tgt Ion: 95 Resp: 798253

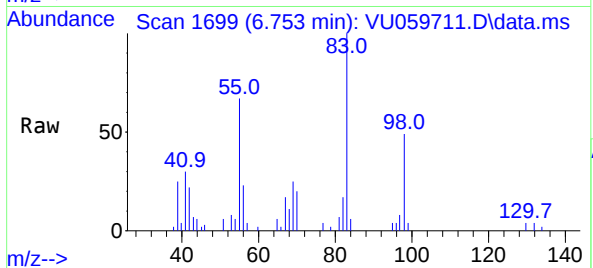
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.3	84.1
132	99.7	64.0	119.0
130	102.6	69.1	128.3





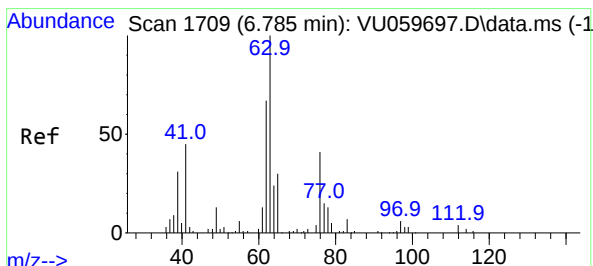
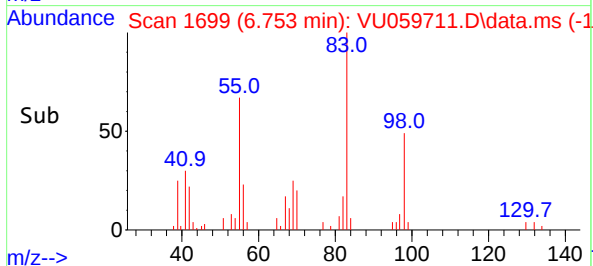
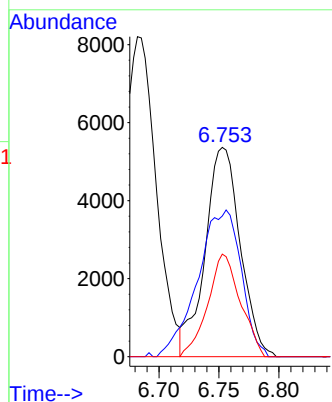
#35
Methylcyclohexane
Concen: 0.430 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU059711.D
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Instrument :
MSVOA_U
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Tgt Ion: 83 Resp: 10944

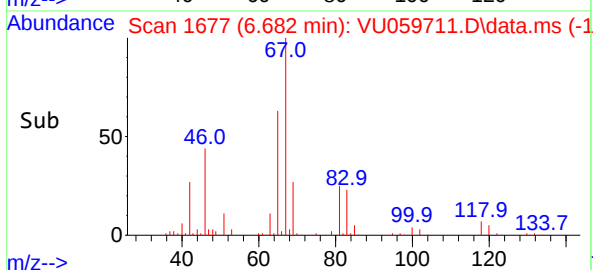
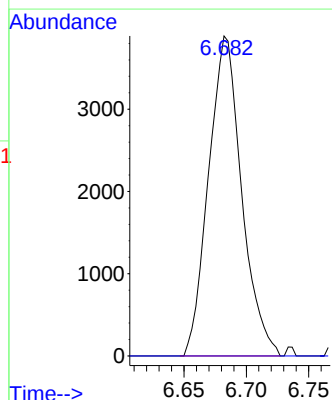
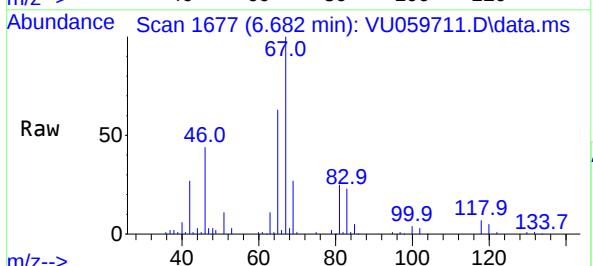
Ion	Ratio	Lower	Upper
83	100		
55	86.8	62.7	94.1
98	45.4	35.4	53.0

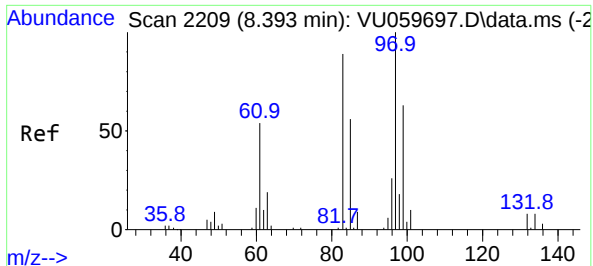


#37
1,2-Dichloropropane
Concen: 0.421 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Tgt Ion: 63 Resp: 7189

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.6	3.8#





#45

1,1,2-Trichloroethane

Concen: 0.229 ug/L

RT: 8.364 min Scan# 21

Delta R.T. -0.029 min

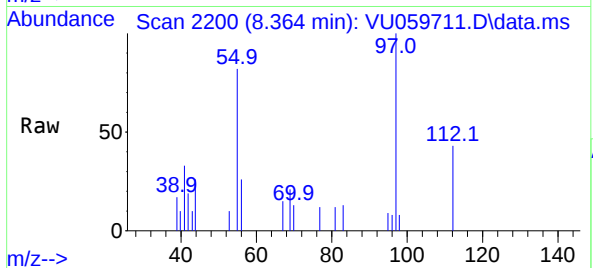
Lab File: VU059711.D

Acq: 02 Jul 2024 02:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 2876

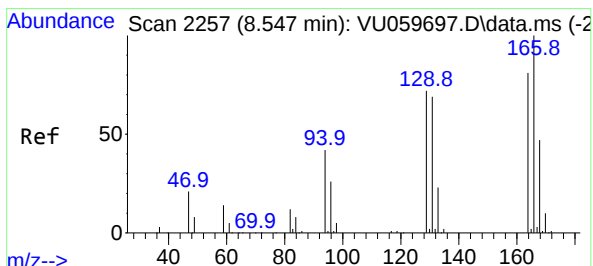
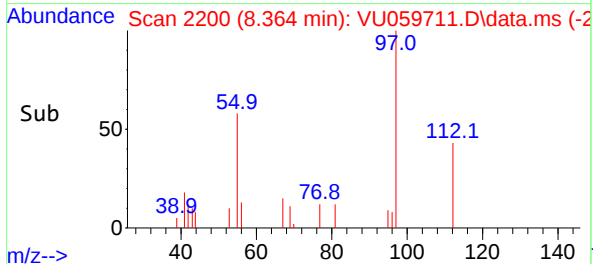
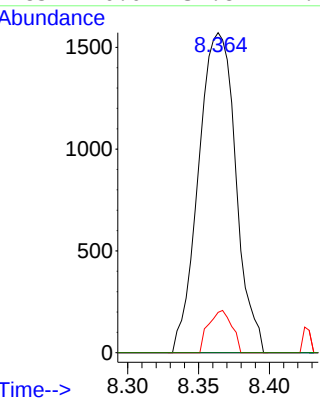
Ion Ratio Lower Upper

97 100

99 0.0 43.3 80.3#

83 12.6 62.3 115.7#

85 0.0 39.8 74.0#



#47

Tetrachloroethene

Concen: 38.618 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059711.D

Acq: 02 Jul 2024 02:04

Tgt Ion:164 Resp: 535428

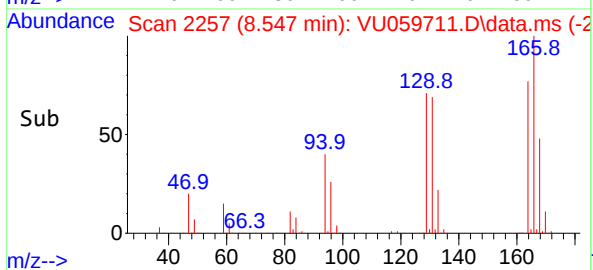
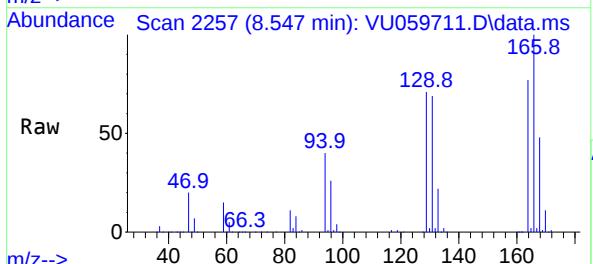
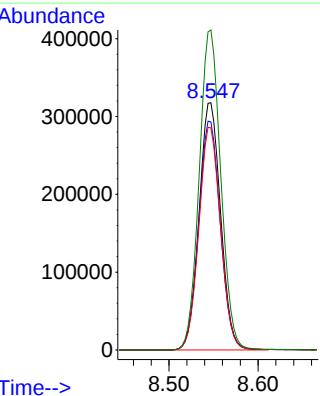
Ion Ratio Lower Upper

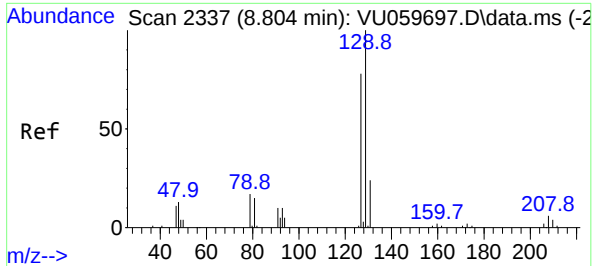
164 100

129 92.2 70.8 131.4

131 89.8 64.8 120.3

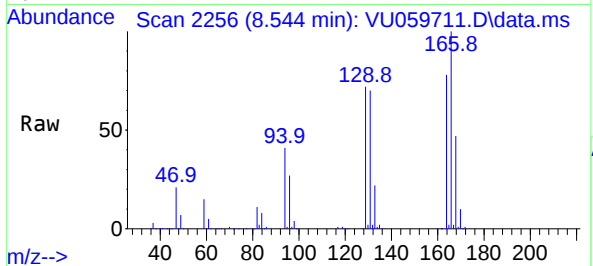
166 129.5 91.1 169.1



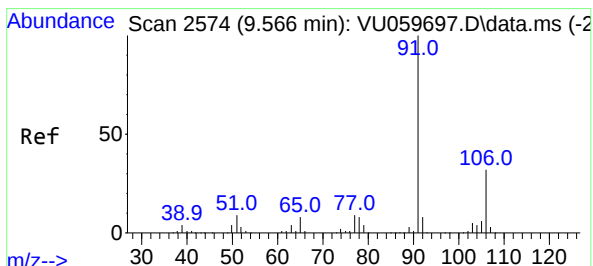
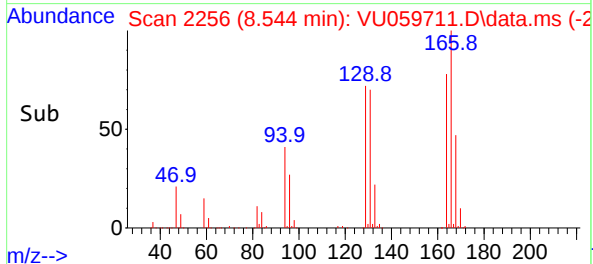
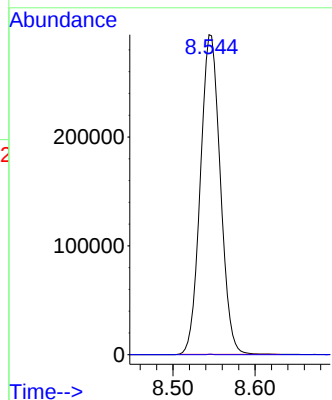


#49
Dibromochloromethane
Concen: 35.494 ug/L
RT: 8.544 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Instrument :
MSVOA_U
ClientSampleId :

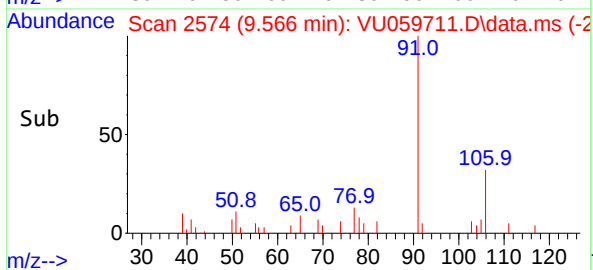
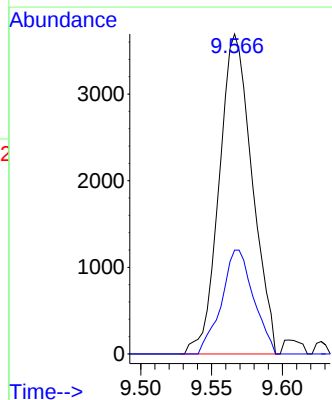
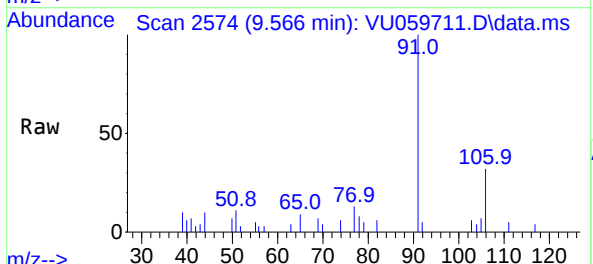


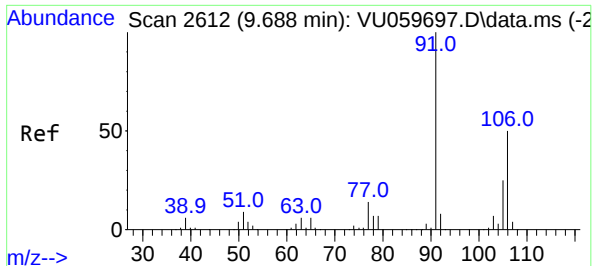
Tgt Ion:129 Resp: 494694
Ion Ratio Lower Upper
129 100
127 0.1 52.5 97.5#



#52
Ethylbenzene
Concen: 0.083 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Tgt Ion: 91 Resp: 5978
Ion Ratio Lower Upper
91 100
106 32.4 20.9 38.7

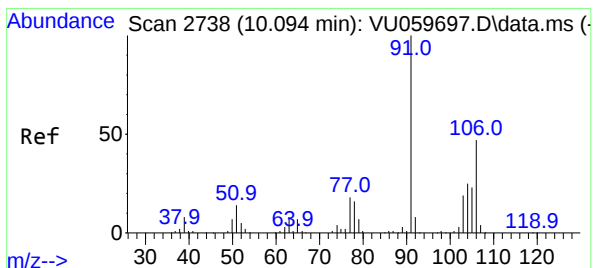
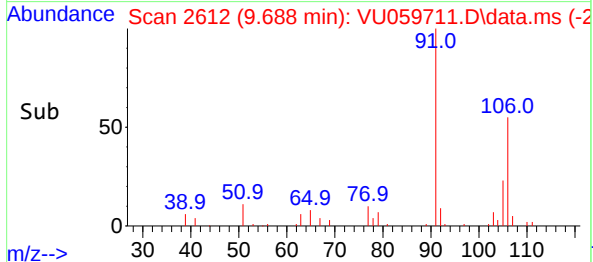
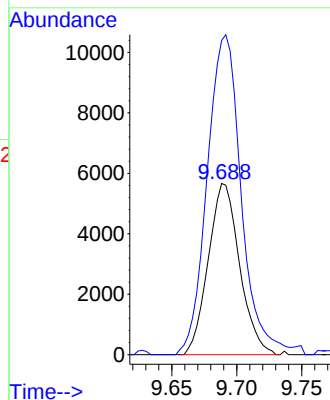
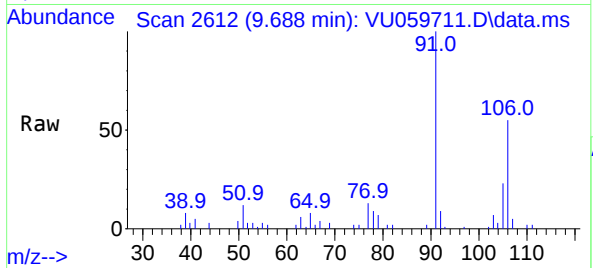




#53
m,p-Xylene
Concen: 0.345 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

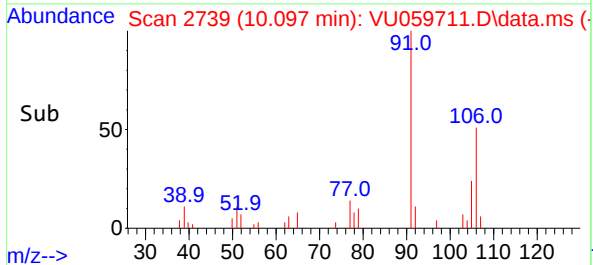
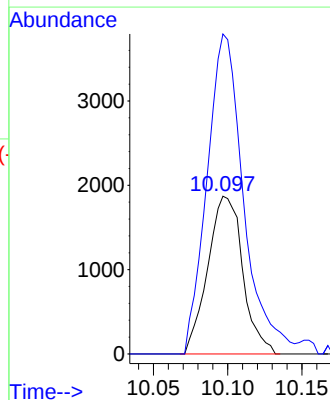
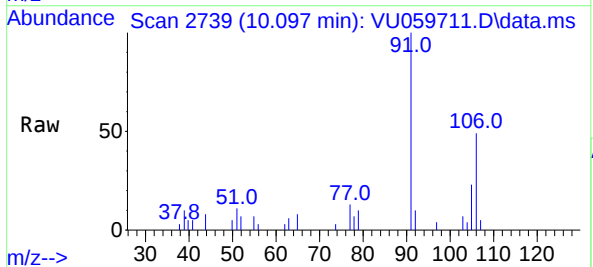
Instrument :
MSVOA_U
ClientSampleId :

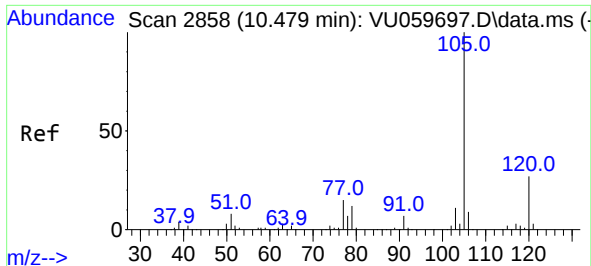
Tgt Ion:106 Resp: 9503
Ion Ratio Lower Upper
106 100
91 183.5 142.0 263.8



#54
o-Xylene
Concen: 0.117 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Tgt Ion:106 Resp: 3060
Ion Ratio Lower Upper
106 100
91 202.8 151.6 281.6

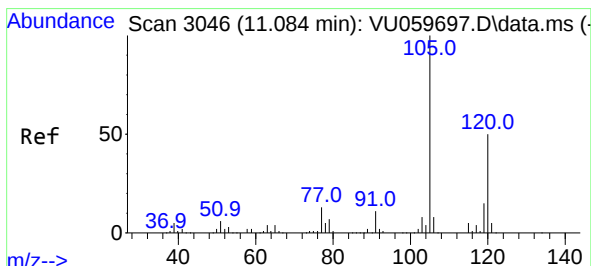
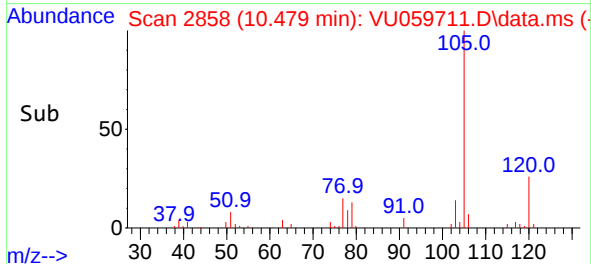
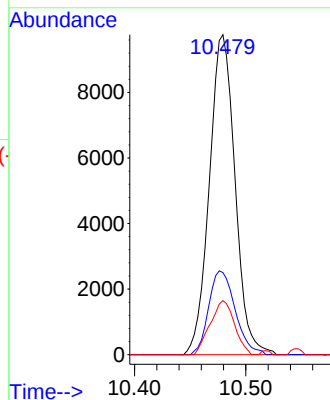
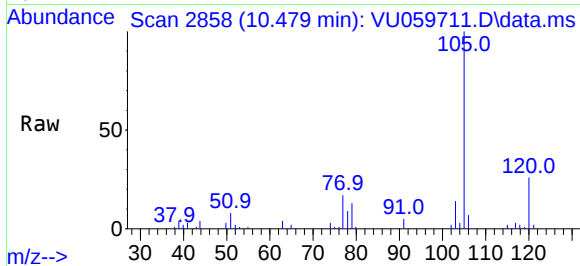




#60
Isopropylbenzene
Concen: 0.225 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

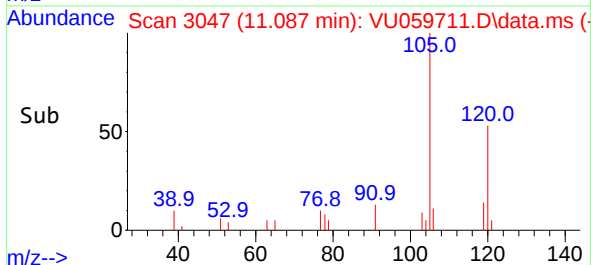
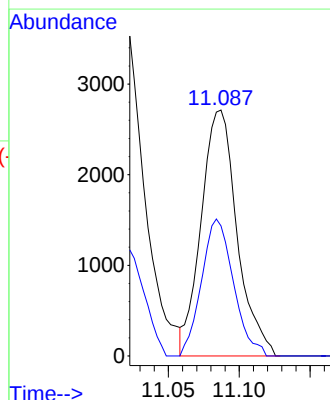
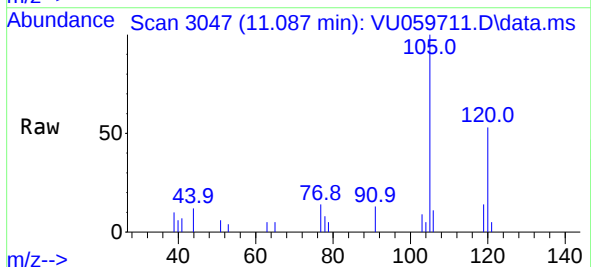
Instrument :
MSVOA_U
ClientSampleId :

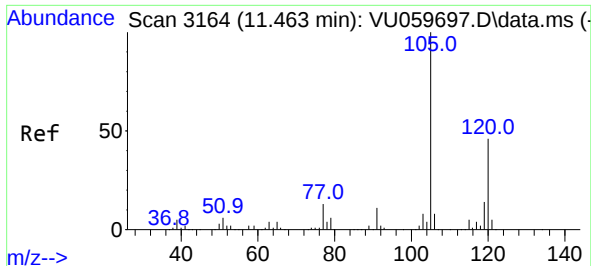
Tgt Ion:105 Resp: 15660
Ion Ratio Lower Upper
105 100
120 27.0 20.6 31.0
77 16.0 12.8 19.2



#62
1,3,5-Trimethylbenzene
Concen: 0.087 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Tgt Ion:105 Resp: 4779
Ion Ratio Lower Upper
105 100
120 49.5 38.2 57.4

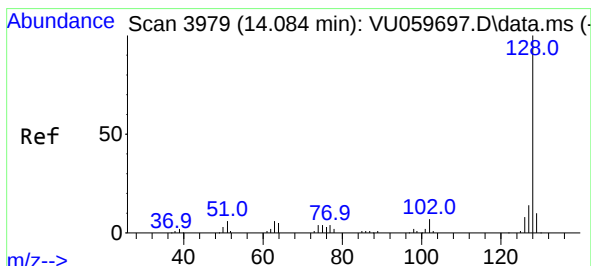
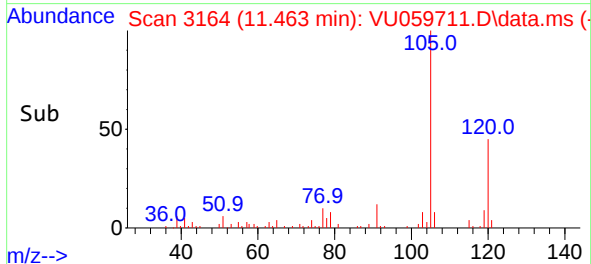
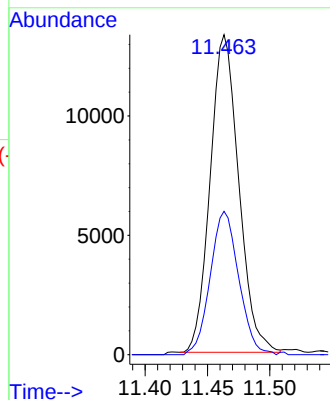
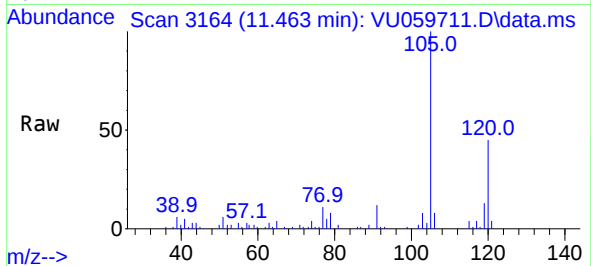




#63
1,2,4-Trimethylbenzene
Concen: 0.402 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 21232
Ion Ratio Lower Upper
105 100
120 45.0 35.4 53.0



#71
Naphthalene
Concen: 0.352 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.003 min
Lab File: VU059711.D
Acq: 02 Jul 2024 02:04

Tgt Ion:128 Resp: 10137
Ion Ratio Lower Upper
128 100
129 7.1 8.2 12.4#
127 12.6 10.2 15.4

