

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U081122\
 Data File : VU050298.D
 Acq On : 12 Aug 2022 22:32
 Operator : SY/MD
 Sample : N4115-21 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 13 01:25:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 01:20:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	95868	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	94269	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	39446	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	35369	4.433	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.909	69	28160	4.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.556	65	13216	4.238	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	4.636	46	105981	54.473	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.940%
24) Chloroform-d	5.060	84	70894	4.777	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.700	65	37729	4.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.726	84	131486	4.470	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.691	67	47783	4.932	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.896	98	102141	3.931	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	8.179	79	14373	4.140	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.639	63	75580	61.395	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.800%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41721	4.904	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	37179	4.810	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1853	0.161	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	605	0.096	ug/L #	27
14) Carbon disulfide	2.781	76	6175	0.261	ug/L	96
16) Methylene chloride	3.041	84	7745	0.765	ug/L	89
22) cis-1,2-Dichloroethene	4.662	96	856	0.104	ug/L	81
33) Benzene	5.771	78	3059	0.093	ug/L	100
38) Bromodichloromethane	7.102	83	829	0.078	ug/L #	97
45) 1,1,2-Trichloroethane	8.398	97	593	0.090	ug/L	87
49) Dibromochloromethane	8.809	129	597	0.082	ug/L	89
50) 1,2-Dibromoethane	8.925	107	540	0.091	ug/L #	95
51) Chlorobenzene	9.446	112	1967	0.094	ug/L	97
52) Ethylbenzene	9.571	91	6568	0.203	ug/L	98
53) m,p-Xylene	9.690	106	6676	0.561	ug/L	94
54) o-Xylene	10.099	106	2359	0.199	ug/L	94
55) Styrene	10.115	104	1648	0.083	ug/L	84
57) 1,1,2,2-Tetrachloroethane	10.784	83	1057	0.122	ug/L #	86
60) Isopropylbenzene	10.485	105	2077	0.079	ug/L	93
62) 1,3,5-Trimethylbenzene	11.089	105	1609	0.216	ug/L	95
64) 1,3-Dichlorobenzene	11.748	146	1160	0.087	ug/L	92

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 01:20:27 2022
Response via : Initial Calibration

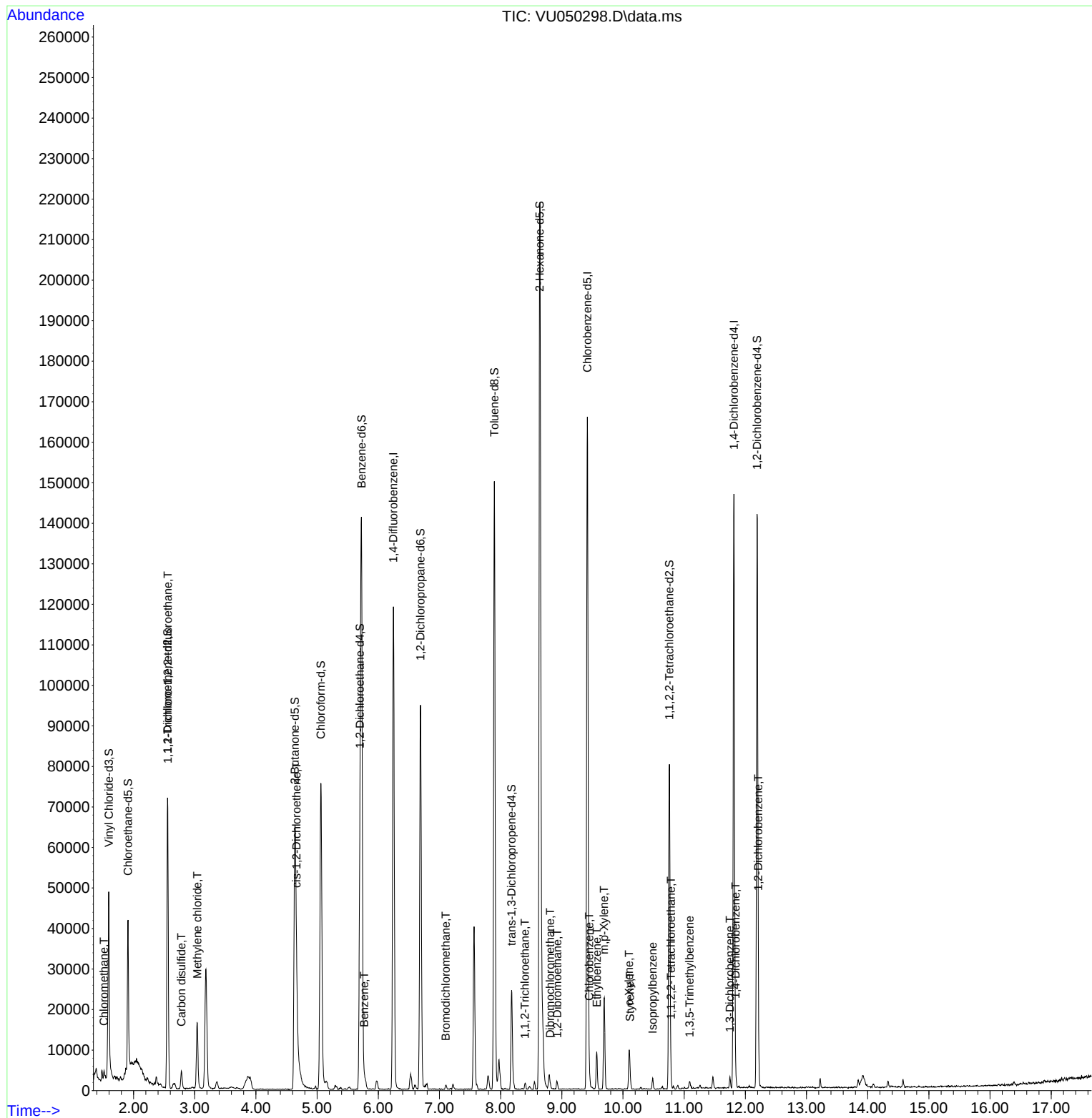
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.838	146	1342	0.104	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	1428	0.111	ug/L	94

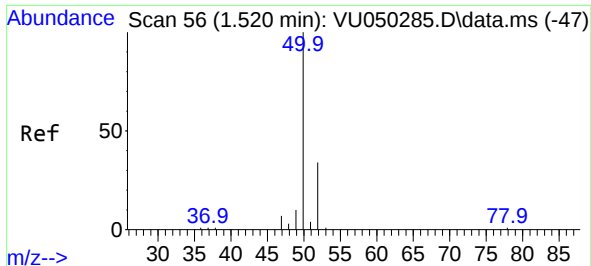
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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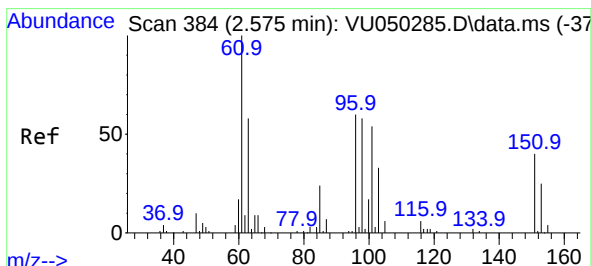
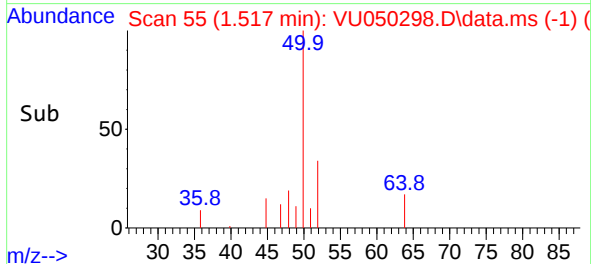
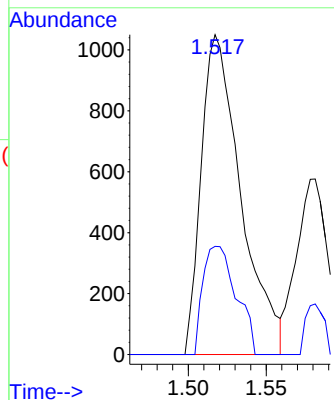
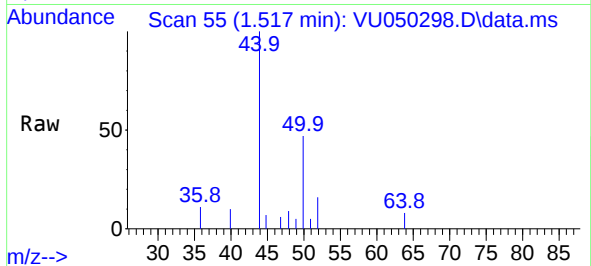




#3
Chloromethane
Concen: 0.161 ug/L
RT: 1.517 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

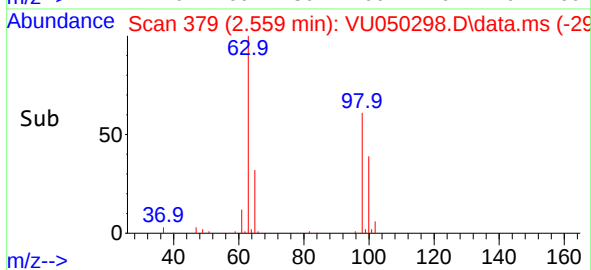
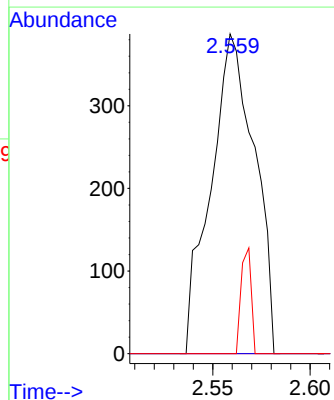
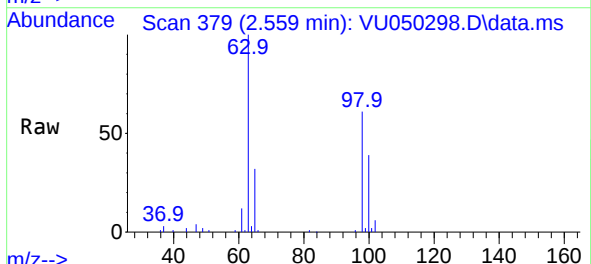
Instrument :
MSVOA_U
ClientSampleId :

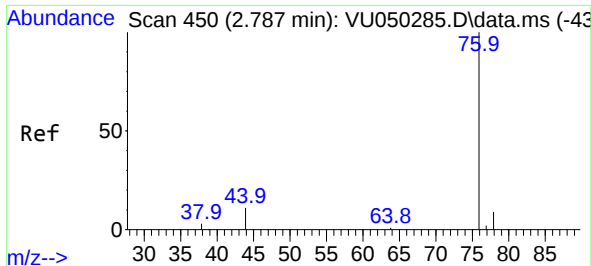
Tgt Ion: 50 Resp: 1853
Ion Ratio Lower Upper
50 100
52 33.8 23.2 43.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.096 ug/L
RT: 2.559 min Scan# 379
Delta R.T. -0.016 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

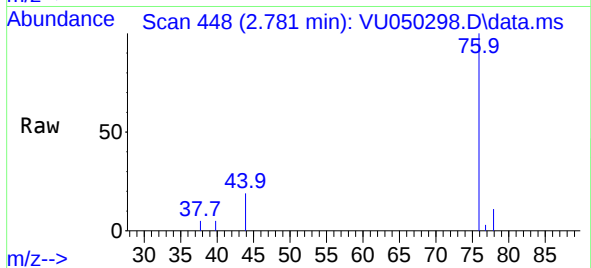
Tgt Ion: 101 Resp: 605
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 7.6 55.2 82.8#



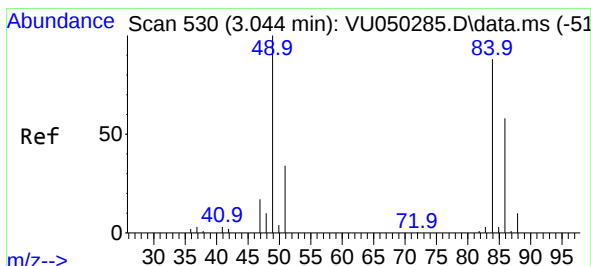
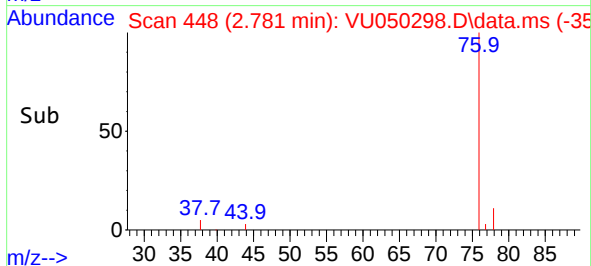
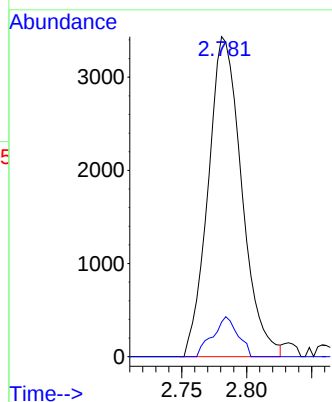


#14
Carbon disulfide
Concen: 0.261 ug/L
RT: 2.781 min Scan# 44
Delta R.T. -0.006 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

Instrument :
MSVOA_U
ClientSampleId :

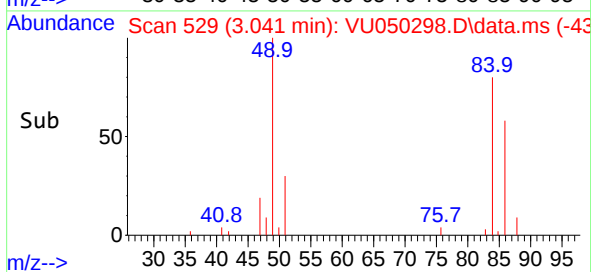
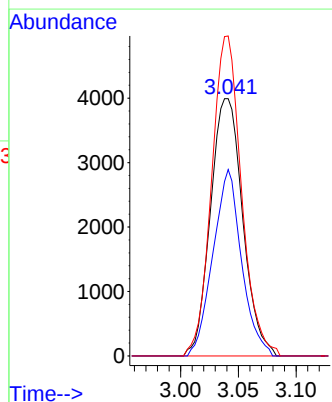
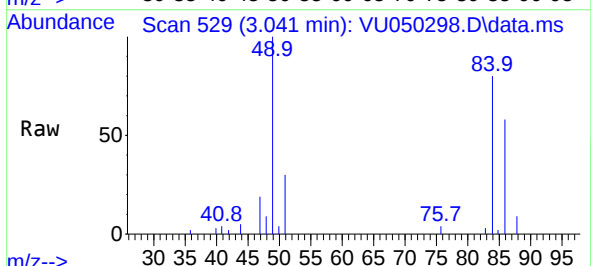


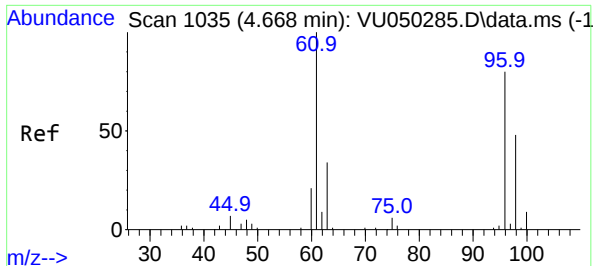
Tgt Ion: 76 Resp: 6175
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0



#16
Methylene chloride
Concen: 0.765 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

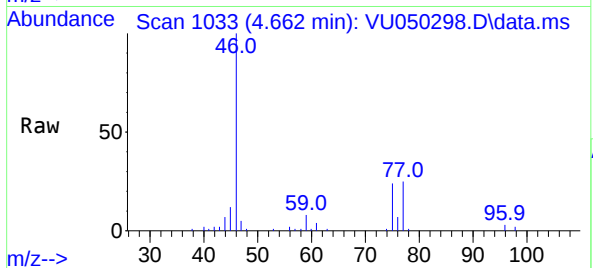
Tgt Ion: 84 Resp: 7745
Ion Ratio Lower Upper
84 100
86 72.4 45.9 85.3
49 124.3 77.6 144.0



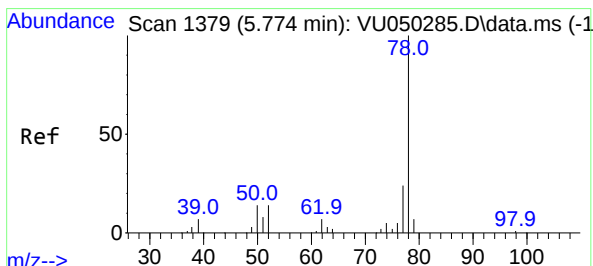
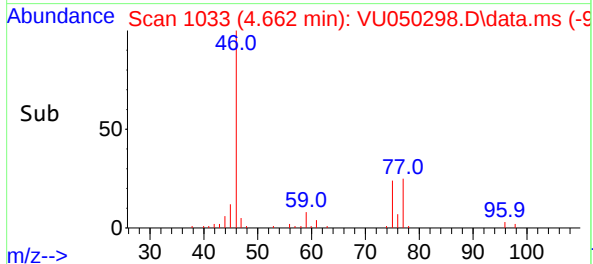
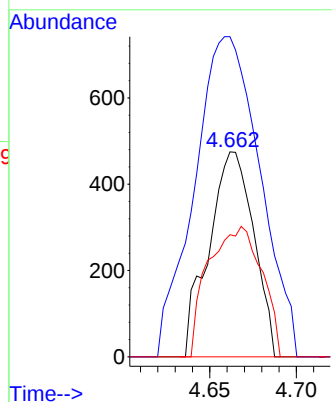


#22
 cis-1,2-Dichloroethene
 Concen: 0.104 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. -0.006 min
 Lab File: VU050298.D
 Acq: 12 Aug 2022 22:32

Instrument :
 MSVOA_U
 ClientSampleId :

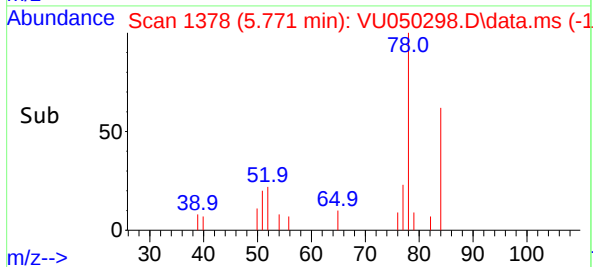
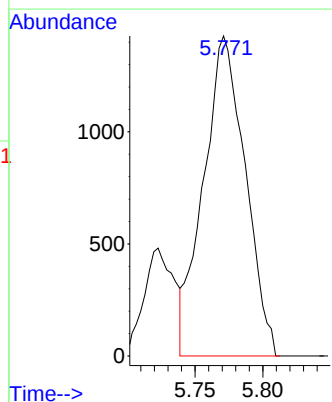
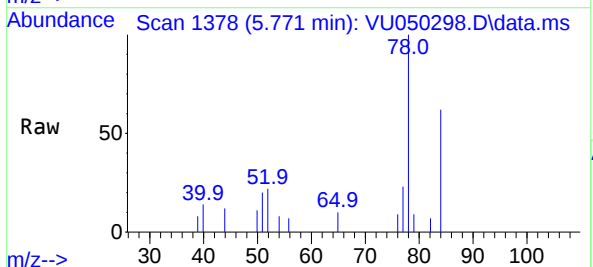


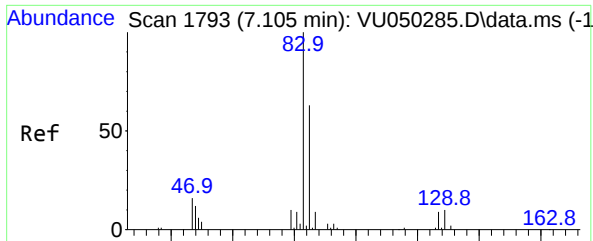
Tgt Ion: 96 Resp: 856
 Ion Ratio Lower Upper
 96 100
 61 156.2 89.0 165.4
 98 59.6 45.2 84.0



#33
 Benzene
 Concen: 0.093 ug/L
 RT: 5.771 min Scan# 1378
 Delta R.T. -0.003 min
 Lab File: VU050298.D
 Acq: 12 Aug 2022 22:32

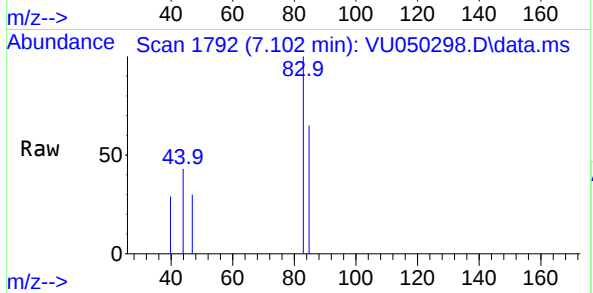
Tgt Ion: 78 Resp: 3059



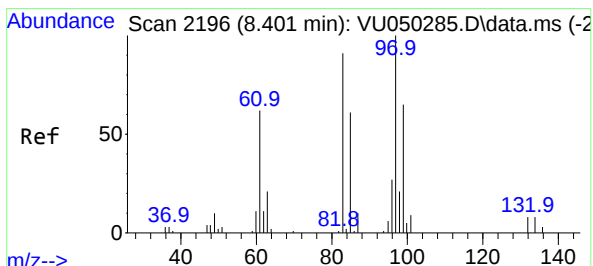
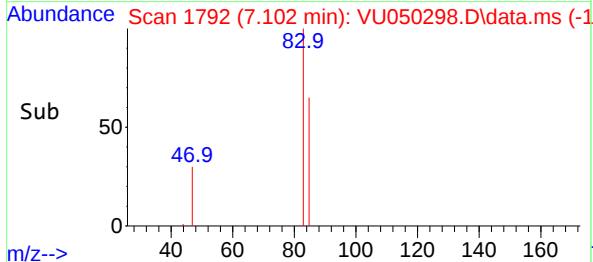
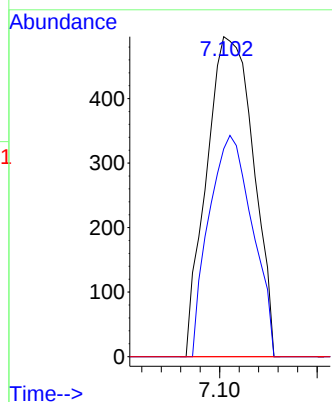


#38
Bromodichloromethane
Concen: 0.078 ug/L
RT: 7.102 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

Instrument :
MSVOA_U
ClientSampleId :

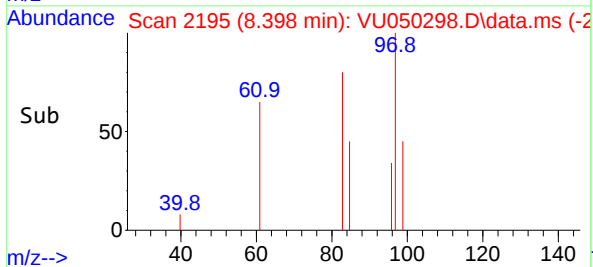
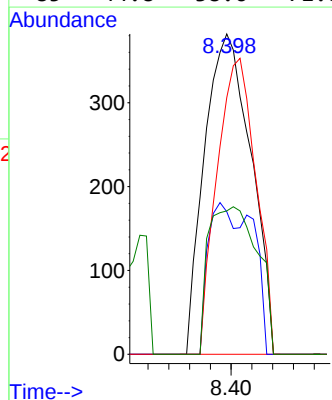
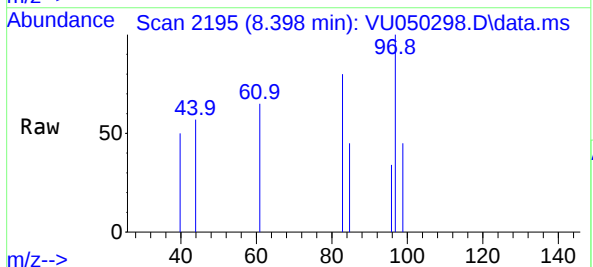


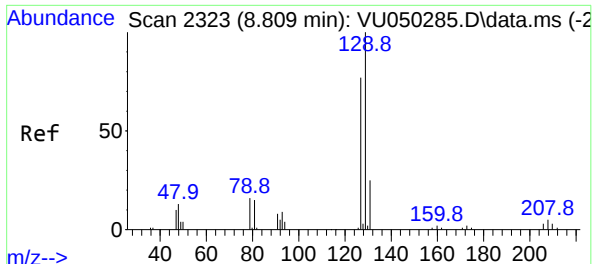
Tgt Ion: 83 Resp: 829
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.7
127 0.0 6.8 10.2#



#45
1,1,2-Trichloroethane
Concen: 0.090 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

Tgt Ion: 97 Resp: 593
Ion Ratio Lower Upper
97 100
99 44.5 42.2 78.4
83 80.1 59.6 110.6
85 44.8 38.6 71.8





#49

Dibromochloromethane

Concen: 0.082 ug/L

RT: 8.809 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050298.D

Acq: 12 Aug 2022 22:32

Instrument :

MSVOA_U

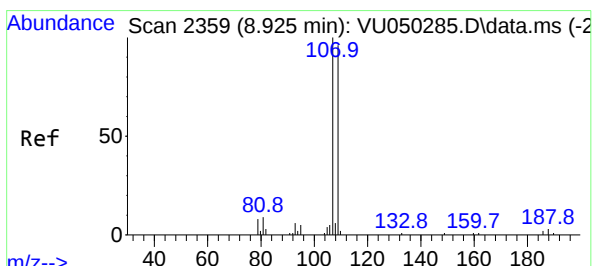
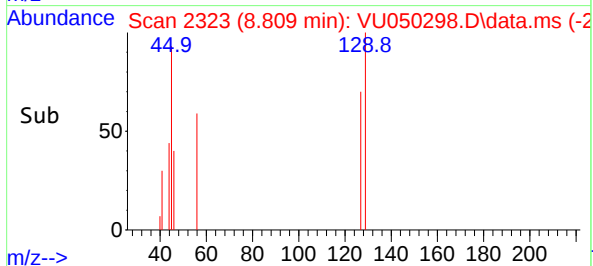
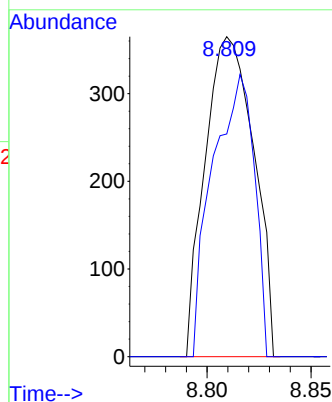
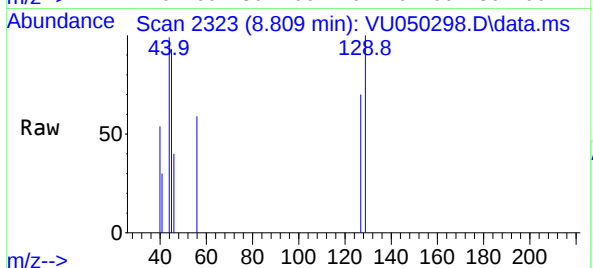
ClientSampleId :

Tgt Ion:129 Resp: 597

Ion Ratio Lower Upper

129 100

127 69.6 55.3 102.7



#50

1,2-Dibromoethane

Concen: 0.091 ug/L

RT: 8.925 min Scan# 2359

Delta R.T. 0.000 min

Lab File: VU050298.D

Acq: 12 Aug 2022 22:32

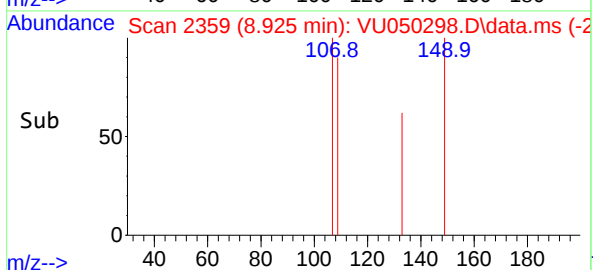
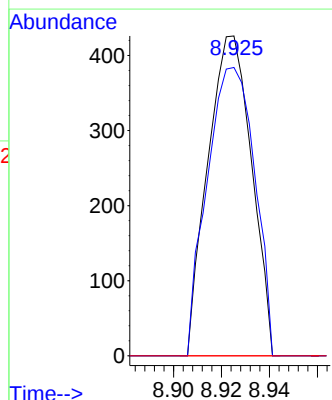
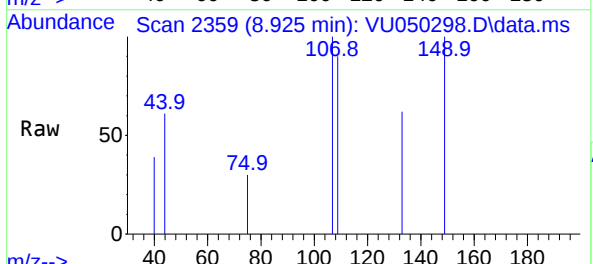
Tgt Ion:107 Resp: 540

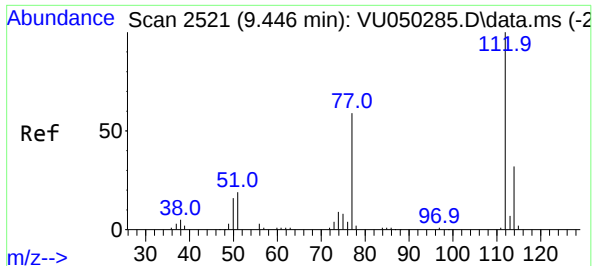
Ion Ratio Lower Upper

107 100

109 90.1 66.6 123.6

188 0.0 2.7 4.1#





#51

Chlorobenzene

Concen: 0.094 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050298.D

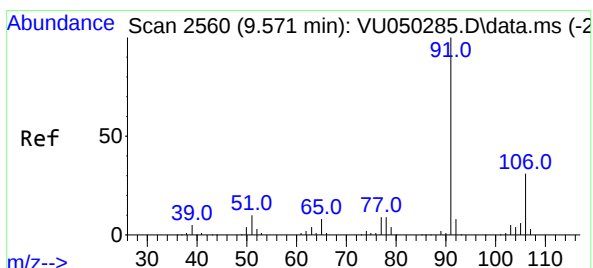
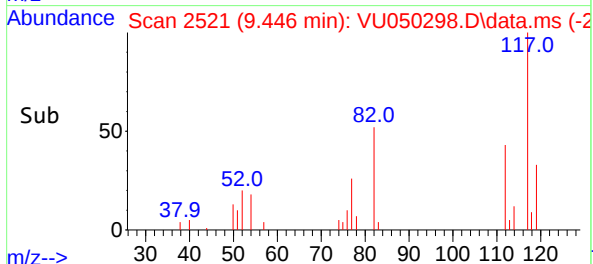
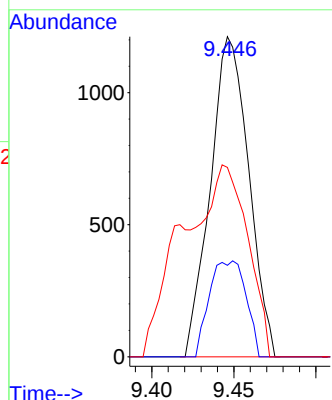
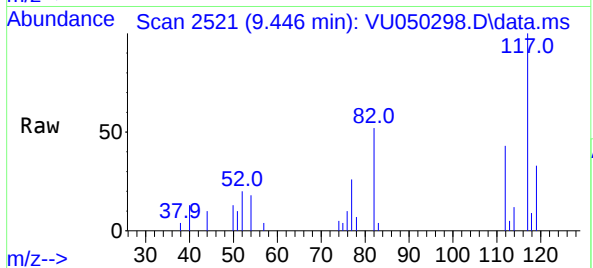
Acq: 12 Aug 2022 22:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:112	Resp:	1967
Ion	Ratio	Lower Upper
112	100	
114	28.5	22.1 41.1
77	59.2	46.3 69.5



#52

Ethylbenzene

Concen: 0.203 ug/L

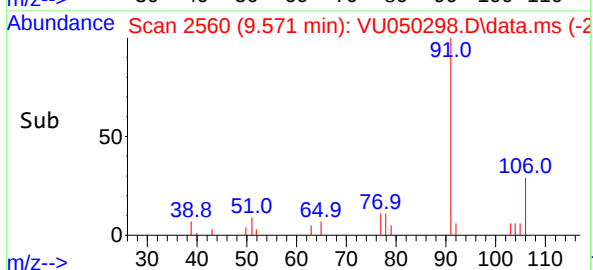
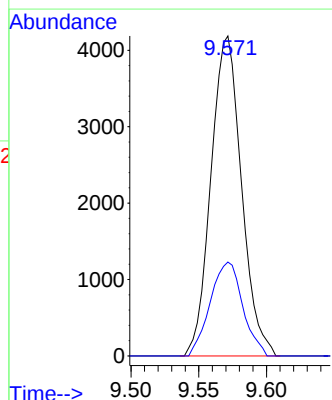
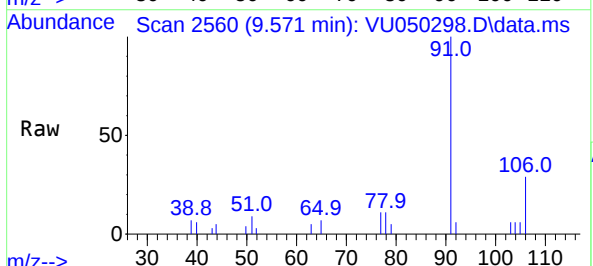
RT: 9.571 min Scan# 2560

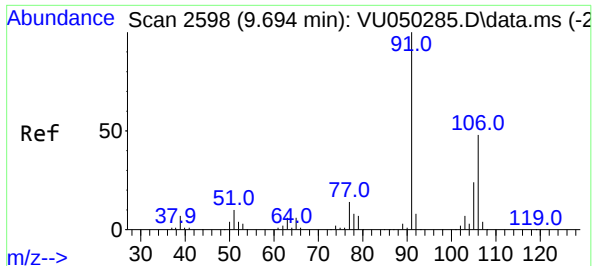
Delta R.T. 0.000 min

Lab File: VU050298.D

Acq: 12 Aug 2022 22:32

Tgt Ion: 91	Resp:	6568
Ion	Ratio	Lower Upper
91	100	
106	29.3	21.3 39.5

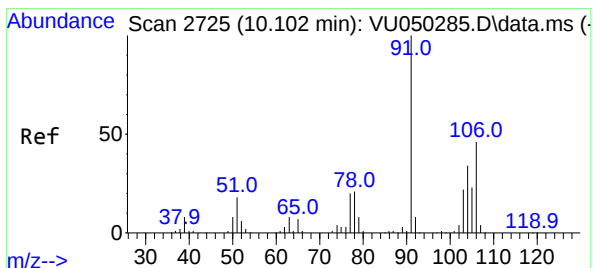
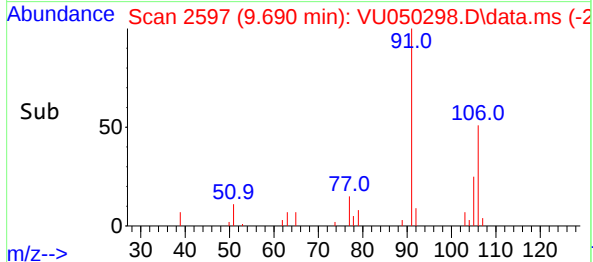
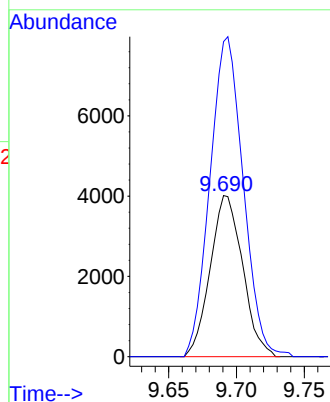
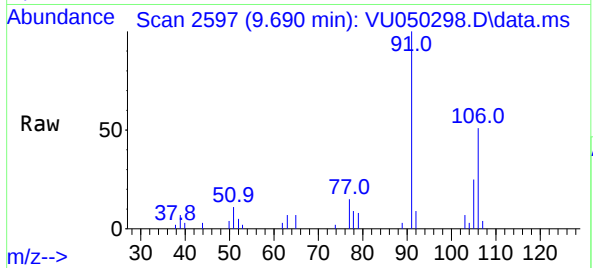




#53
m,p-Xylene
Concen: 0.561 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

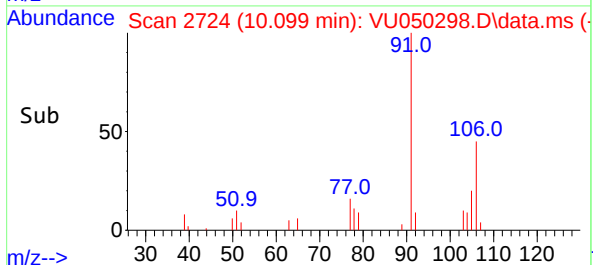
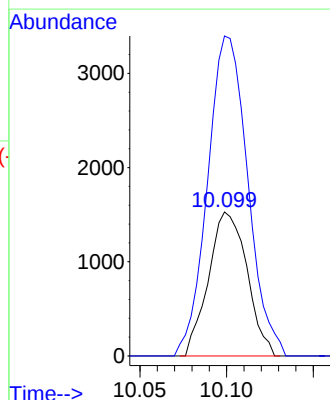
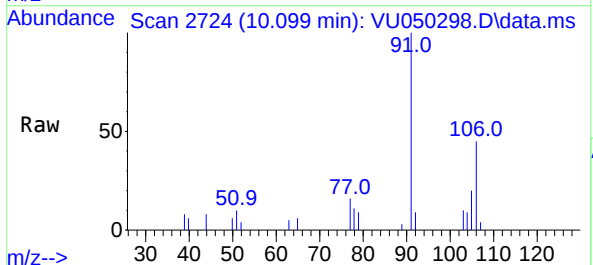
Instrument :
MSVOA_U
ClientSampleId :

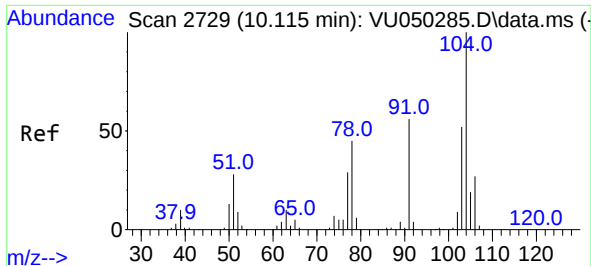
Tgt Ion:106 Resp: 6676
Ion Ratio Lower Upper
106 100
91 195.4 143.1 265.9



#54
o-Xylene
Concen: 0.199 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

Tgt Ion:106 Resp: 2359
Ion Ratio Lower Upper
106 100
91 222.2 149.4 277.4

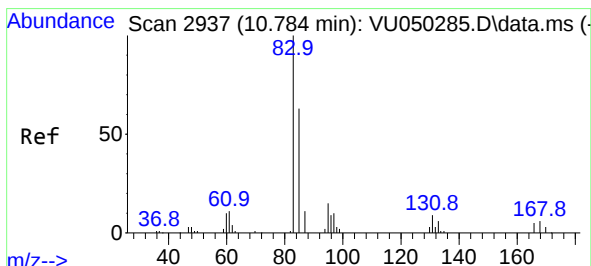
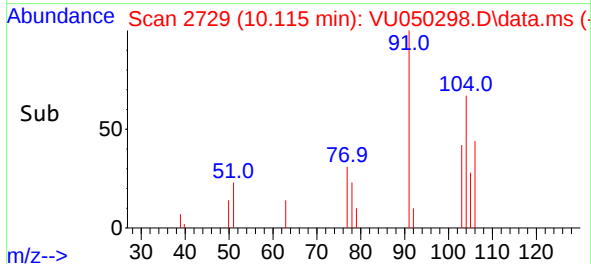
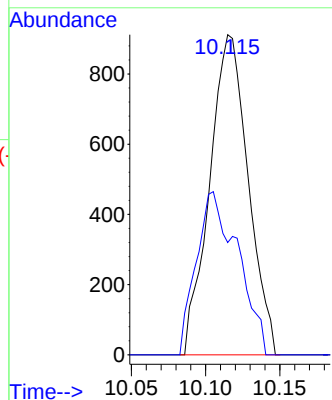
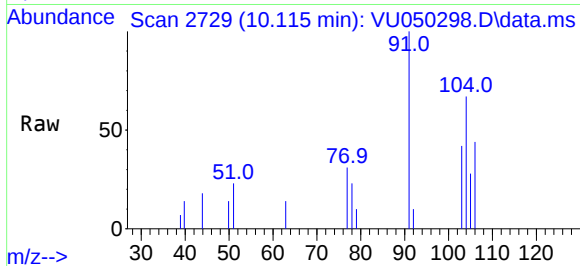




#55
Styrene
Concen: 0.083 ug/L
RT: 10.115 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

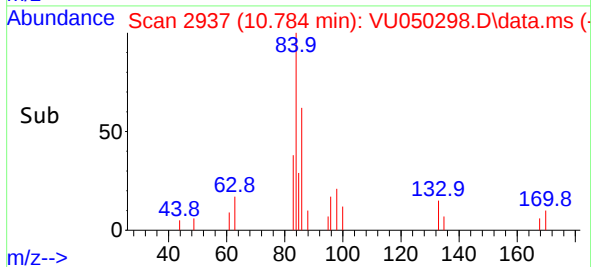
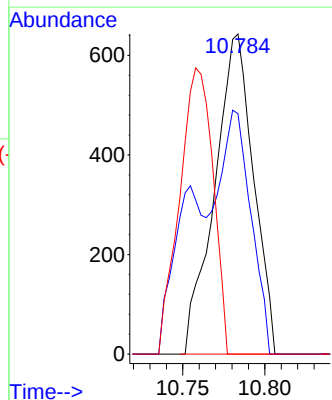
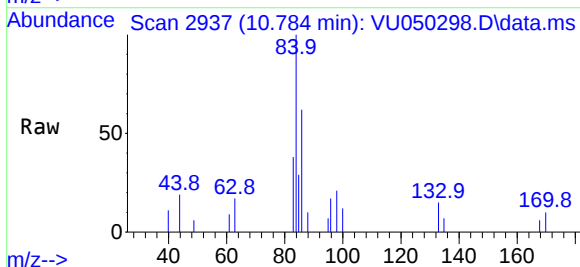
Instrument :
MSVOA_U
ClientSampleId :

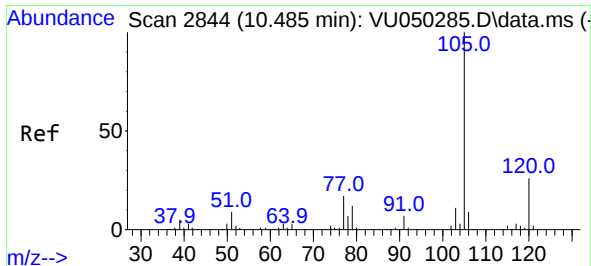
Tgt Ion:104 Resp: 1648
Ion Ratio Lower Upper
104 100
78 35.1 31.9 59.3



#57
1,1,2,2-Tetrachloroethane
Concen: 0.122 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

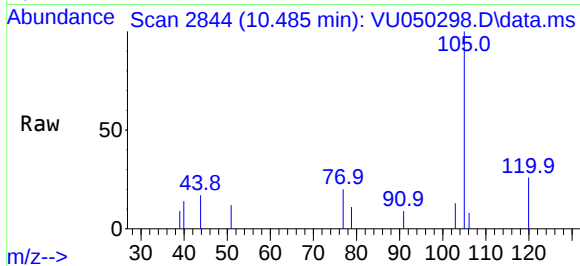
Tgt Ion: 83 Resp: 1057
Ion Ratio Lower Upper
83 100
85 75.1 45.2 84.0
131 0.0 6.6 9.8#





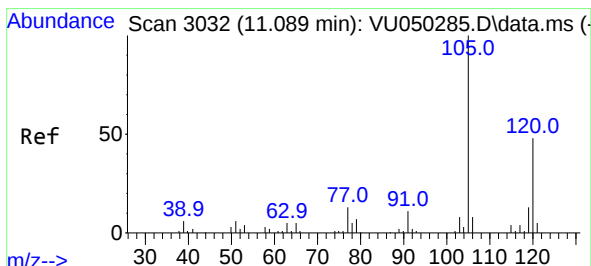
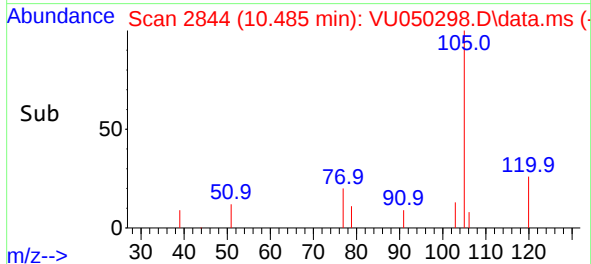
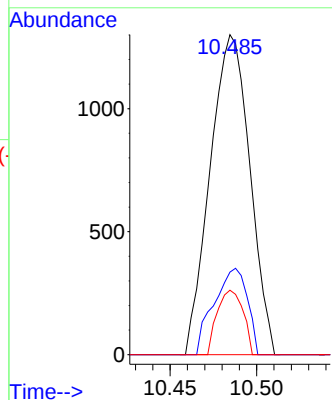
#60
Isopropylbenzene
Concen: 0.079 ug/L
RT: 10.485 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:105 Resp: 2077

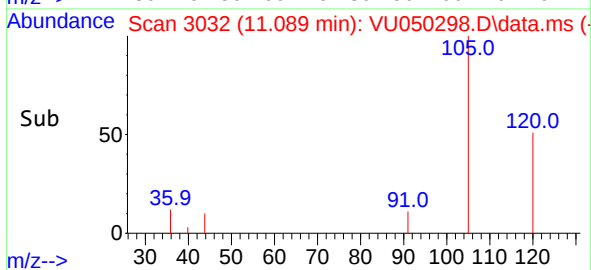
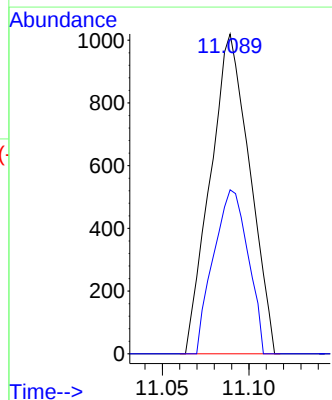
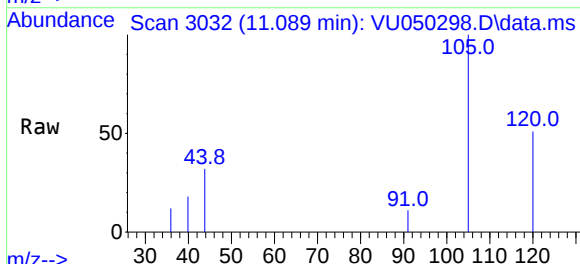
Ion	Ratio	Lower	Upper
105	100		
120	22.6	20.8	31.2
77	13.0	12.6	19.0

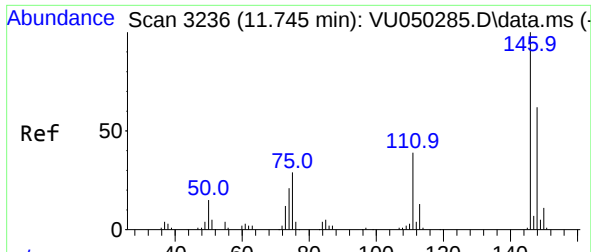


#62
1,3,5-Trimethylbenzene
Concen: 0.216 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050298.D
Acq: 12 Aug 2022 22:32

Tgt Ion:105 Resp: 1609

Ion	Ratio	Lower	Upper
105	100		
120	44.9	38.9	58.3





#64

1,3-Dichlorobenzene

Concen: 0.087 ug/L

RT: 11.748 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU050298.D

Acq: 12 Aug 2022 22:32

Instrument :

MSVOA_U

ClientSampleId :

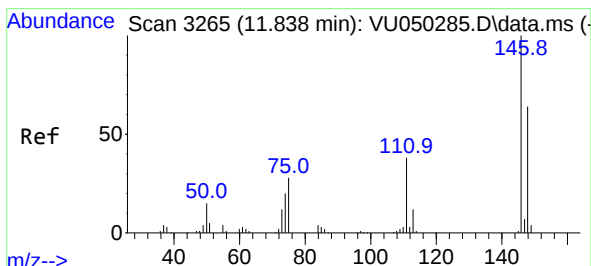
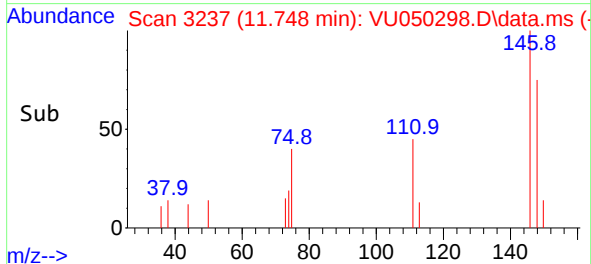
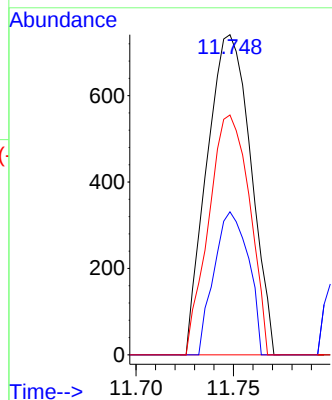
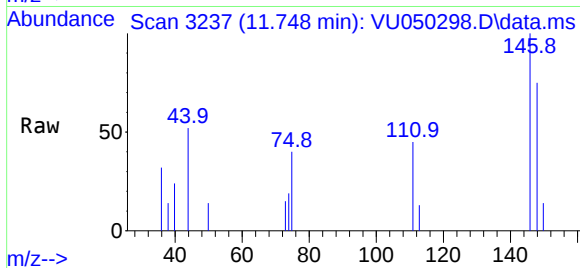
Tgt Ion:146 Resp: 1160

Ion Ratio Lower Upper

146 100

111 44.7 29.9 55.5

148 74.9 45.8 85.2



#65

1,4-Dichlorobenzene

Concen: 0.104 ug/L

RT: 11.838 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU050298.D

Acq: 12 Aug 2022 22:32

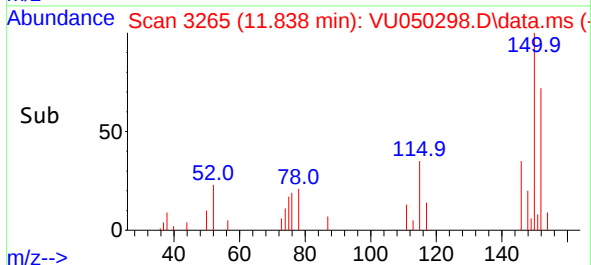
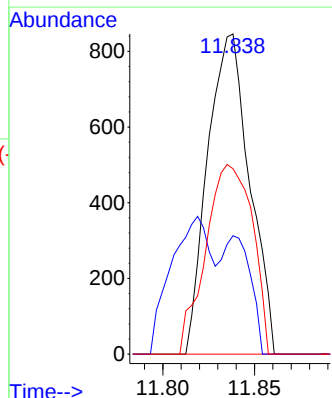
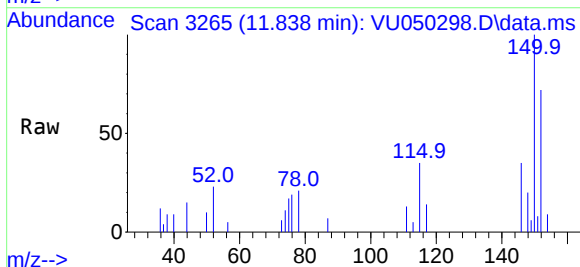
Tgt Ion:146 Resp: 1342

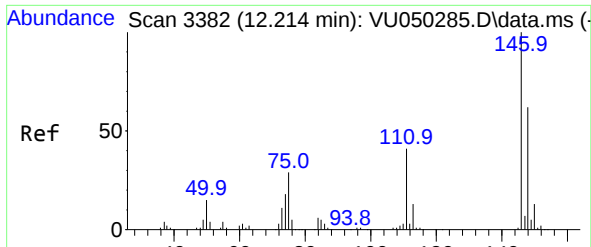
Ion Ratio Lower Upper

146 100

111 37.0 28.1 52.1

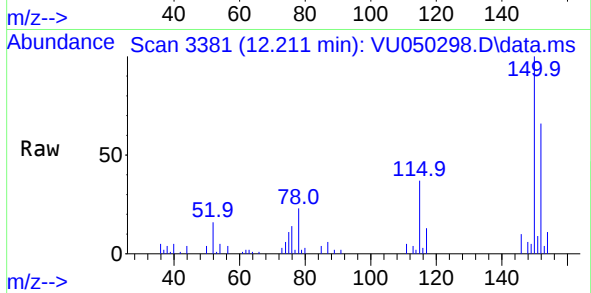
148 57.9 44.6 82.8





#67
 1,2-Dichlorobenzene
 Concen: 0.111 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU050298.D
 Acq: 12 Aug 2022 22:32

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	1428
Ion	Ratio	Lower	Upper
146	100		
111	44.1	32.9	49.3
148	57.6	50.4	75.6

