

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090123\
 Data File : U055041.D
 Acq On : 01 Sep 2023 14:53
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 01 23:40:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 23:32:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	202546	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	197637	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	104924	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	36981	3.896	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.911	69	41468	3.774	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.563	65	21956	4.059	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	4.631	46	106112	38.519	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.040%
24) Chloroform-d	5.058	84	95961	3.809	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
26) 1,2-Dichloroethane-d4	5.702	65	49230	3.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.200%
32) Benzene-d6	5.724	84	195367	4.005	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
36) 1,2-Dichloropropane-d6	6.689	67	63598	4.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.000%
41) Toluene-d8	7.894	98	174823	3.890	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.181	79	16312	3.817	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.400%
46) 2-Hexanone-d5	8.634	63	66866	38.544	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.080%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	42985	3.939	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	64801	4.231	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.567	96	1485	0.159	ug/L #	1
14) Carbon disulfide	2.792	76	5241	0.229	ug/L	98
16) Methylene chloride	3.042	84	7246	0.506	ug/L	96
18) trans-1,2-Dichloroethene	3.361	96	1153	0.121	ug/L #	79
40) 4-Methyl-2-pentanone	7.795	43	18493	2.831	ug/L #	90
48) 2-Hexanone	8.685	43	44595	8.716	ug/L	98
51) Chlorobenzene	9.444	112	4369	0.147	ug/L #	88
52) Ethylbenzene	9.570	91	6629	0.132	ug/L	93
53) m,p-Xylene	9.695	106	2766	0.149	ug/L	60
55) Styrene	10.119	104	5825	0.193	ug/L	86
57) 1,1,2,2-Tetrachloroethane	10.782	83	1609	0.167	ug/L #	87
60) Isopropylbenzene	10.486	105	8651	0.177	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	1391	0.200	ug/L	94
62) 1,3,5-Trimethylbenzene	11.090	105	7915	0.194	ug/L	99
63) 1,2,4-Trimethylbenzene	11.470	105	14073	0.351	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	9172	0.390	ug/L	93
65) 1,4-Dichlorobenzene	11.836	146	11622	0.496	ug/L	98
67) 1,2-Dichlorobenzene	12.213	146	8959	0.407	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.003	75	428	0.319	ug/L	87

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QLast Update : Fri Sep 01 23:32:14 2023
Response via : Initial Calibration

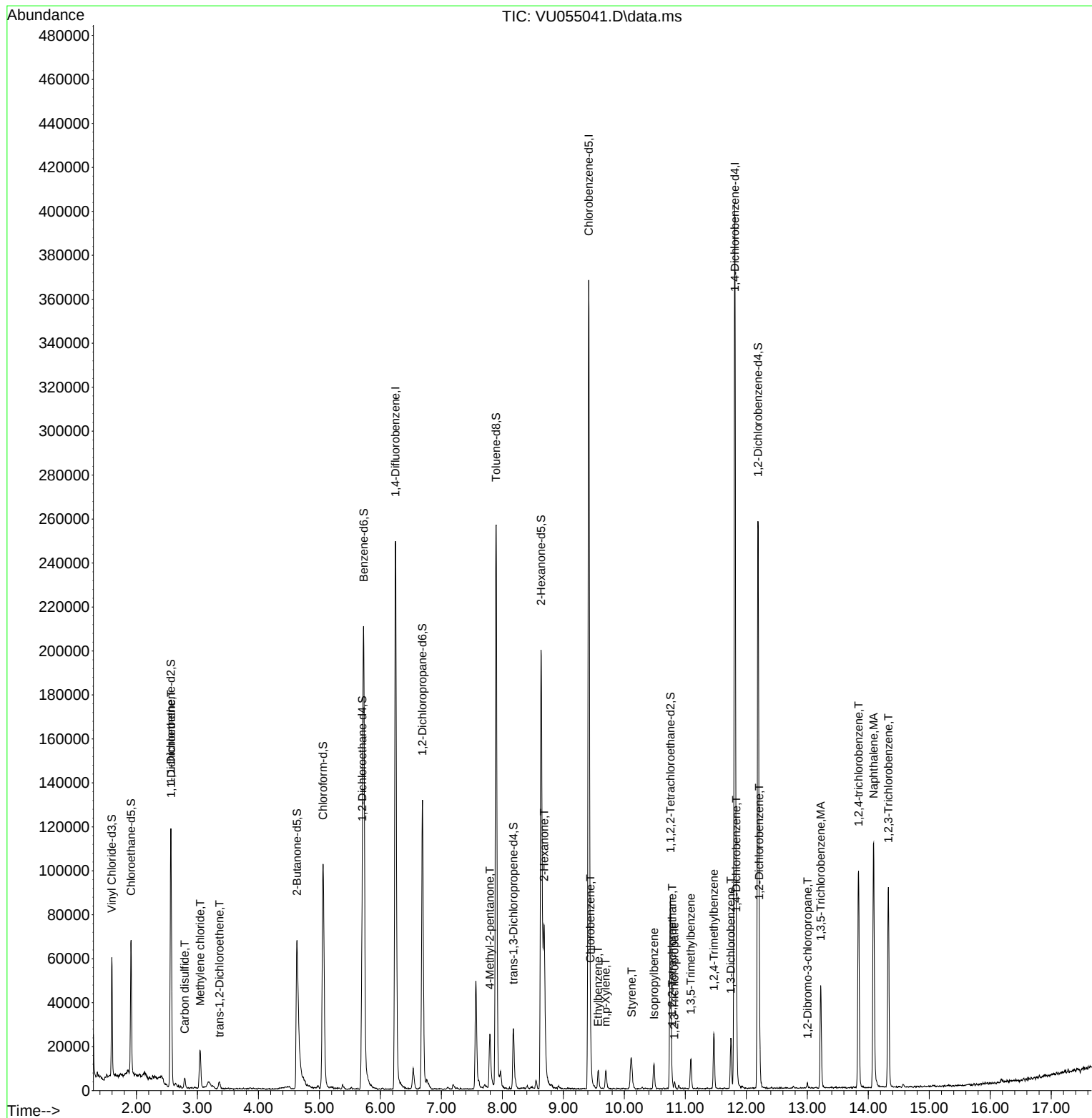
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.219	180	13783	0.777	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	28209	1.695	ug/L	97
71) Naphthalene	14.087	128	92531	3.059	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	26209	1.814	ug/L	99

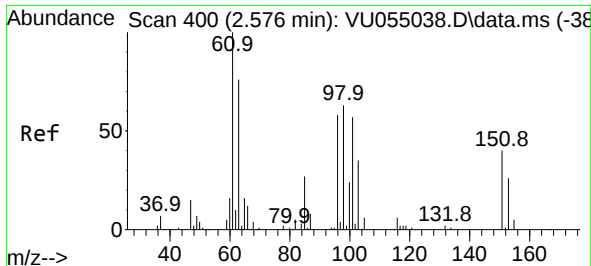
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.159 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.010 min

Lab File: VU055041.D

Acq: 01 Sep 2023 14:53

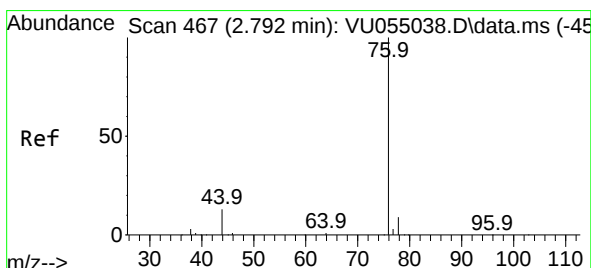
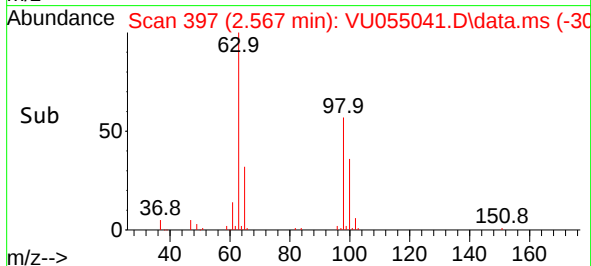
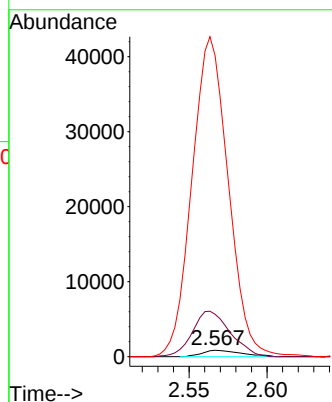
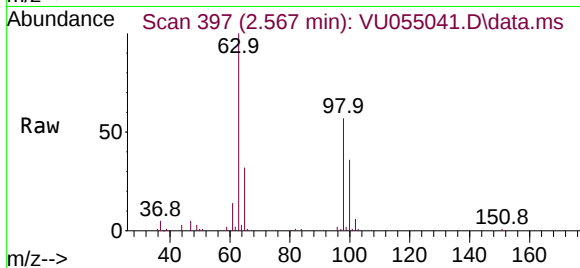
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1485

Ion	Ratio	Lower	Upper
96	100		
61	665.1	120.8	224.4#
63	4729.3	94.5	175.5#



#14

Carbon disulfide

Concen: 0.229 ug/L

RT: 2.792 min Scan# 467

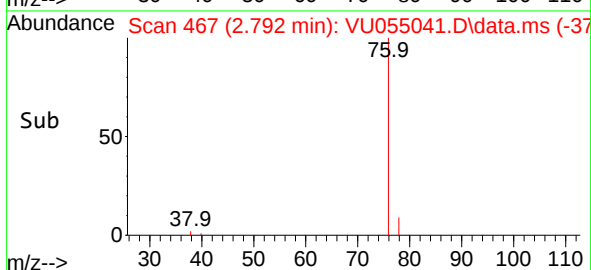
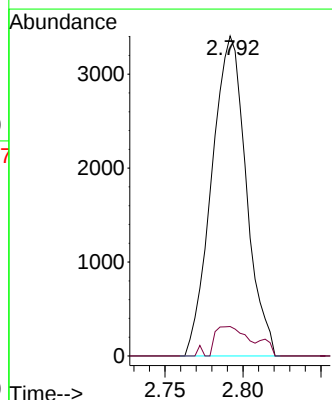
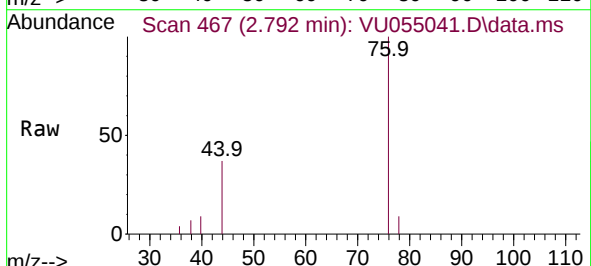
Delta R.T. 0.000 min

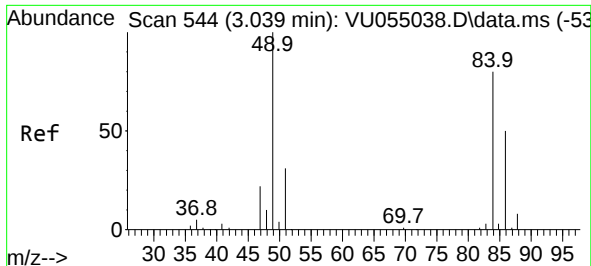
Lab File: VU055041.D

Acq: 01 Sep 2023 14:53

Tgt Ion: 76 Resp: 5241

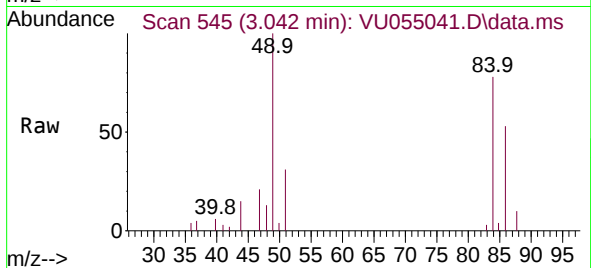
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2





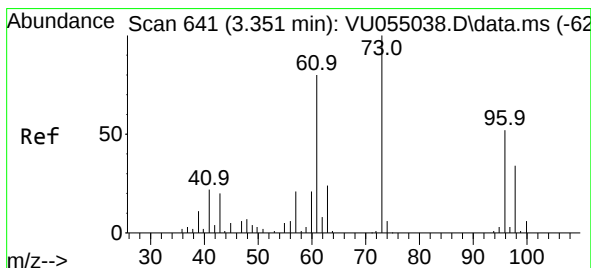
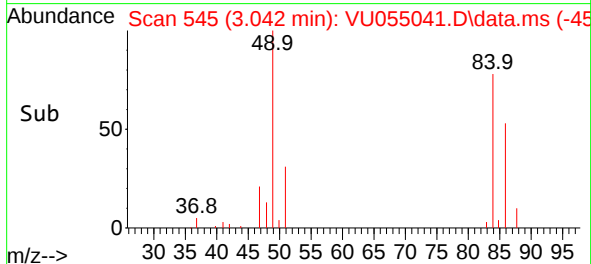
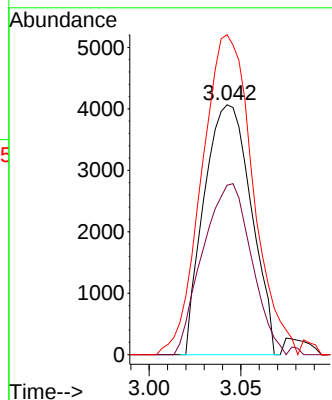
#16
Methylene chloride
Concen: 0.506 ug/L
RT: 3.042 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 7246

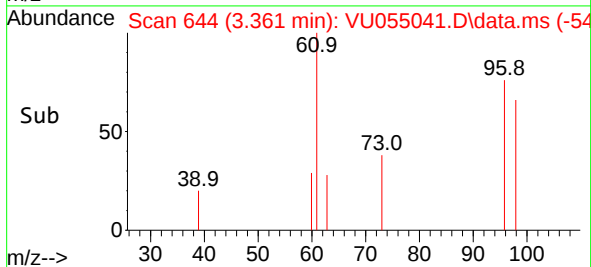
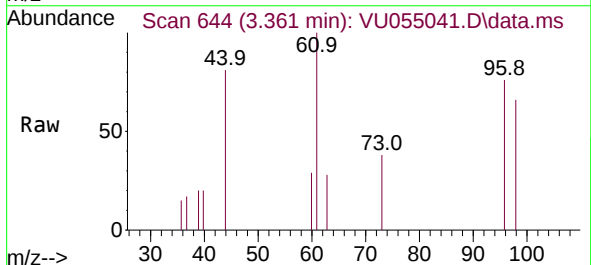
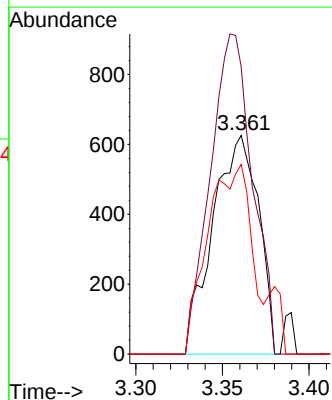
Ion	Ratio	Lower	Upper
84	100		
86	67.8	43.4	80.6
49	128.0	87.7	162.9

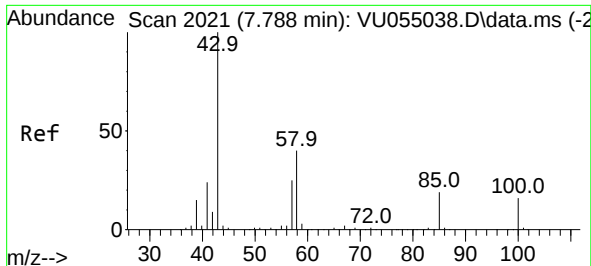


#18
trans-1,2-Dichloroethene
Concen: 0.121 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.010 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

Tgt Ion: 96 Resp: 1153

Ion	Ratio	Lower	Upper
96	100		
61	131.5	108.1	200.9
98	86.7	45.4	84.4

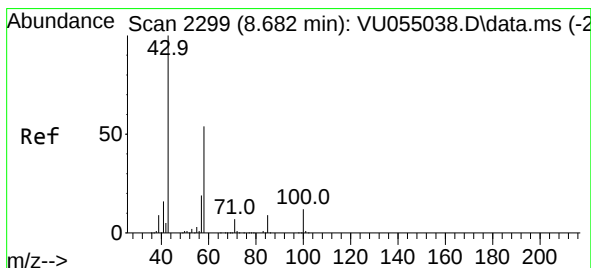
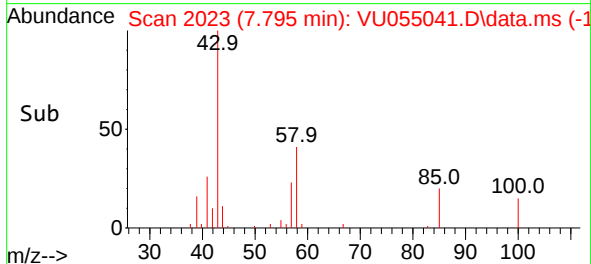
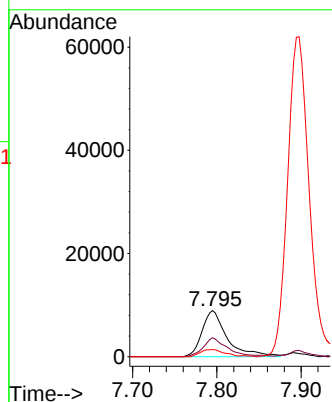
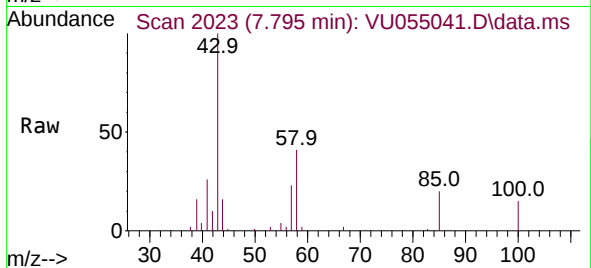




#40
4-Methyl-2-pentanone
Concen: 2.831 ug/L
RT: 7.795 min Scan# 20
Delta R.T. 0.006 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

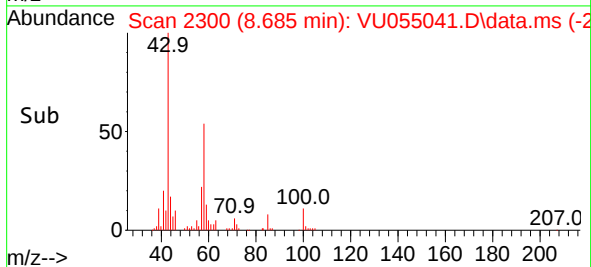
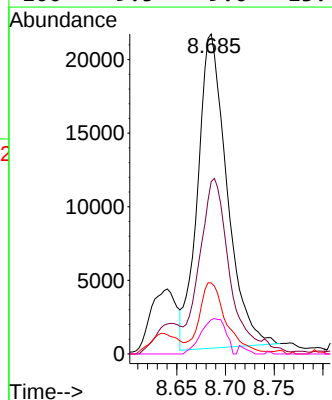
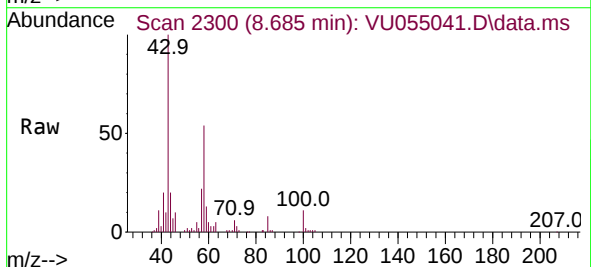
Instrument :
MSVOA_U
ClientSampleId :

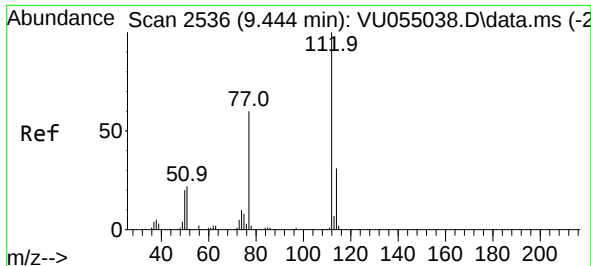
Tgt Ion: 43 Resp: 18493
Ion Ratio Lower Upper
43 100
58 39.8 31.5 47.3
100 0.0 11.8 17.8#



#48
2-Hexanone
Concen: 8.716 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

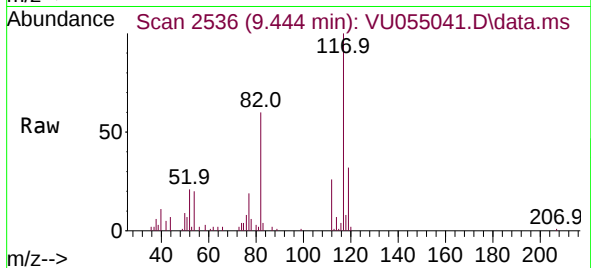
Tgt Ion: 43 Resp: 44595
Ion Ratio Lower Upper
43 100
58 56.9 44.0 66.0
57 20.1 16.2 24.2
100 9.5 9.0 13.4



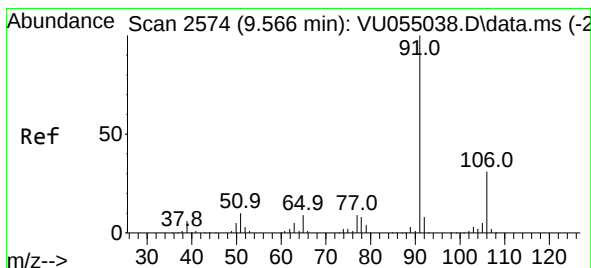
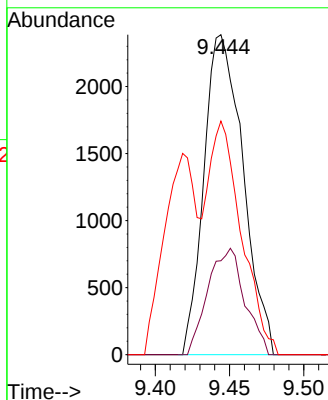
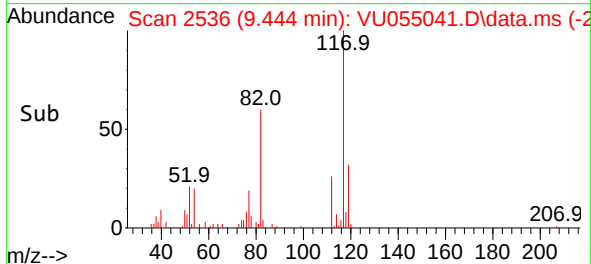


#51
Chlorobenzene
Concen: 0.147 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

Instrument :
MSVOA_U
ClientSampleId :

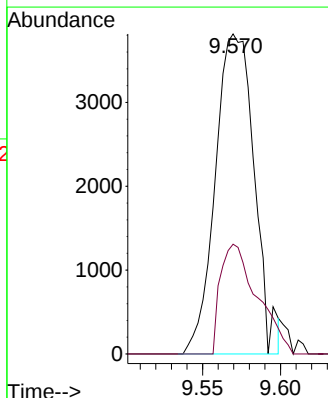
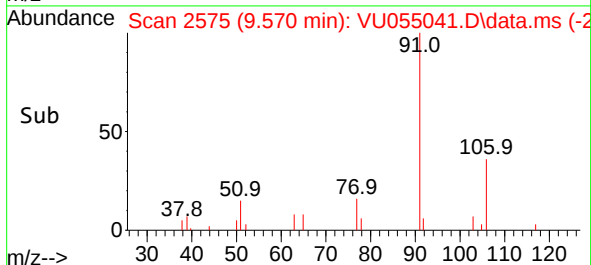
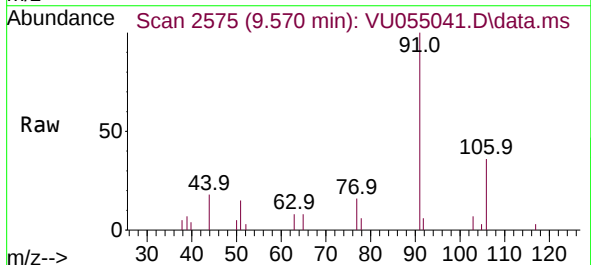


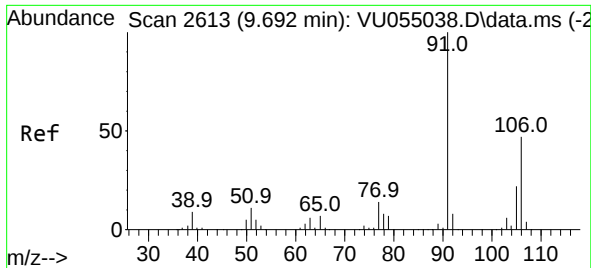
Tgt Ion: 112 Resp: 4369
Ion Ratio Lower Upper
112 100
114 29.3 21.7 40.3
77 73.0 48.6 72.8#



#52
Ethylbenzene
Concen: 0.132 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

Tgt Ion: 91 Resp: 6629
Ion Ratio Lower Upper
91 100
106 34.3 21.5 39.9

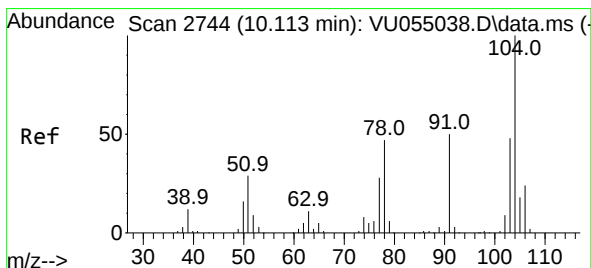
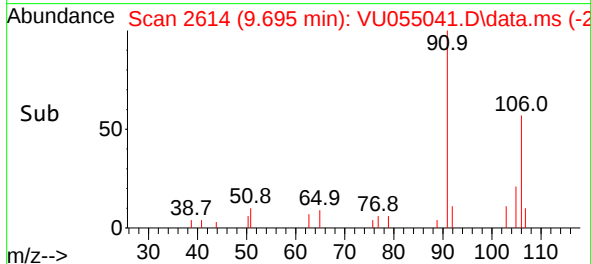
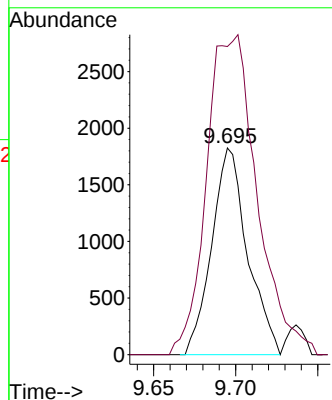
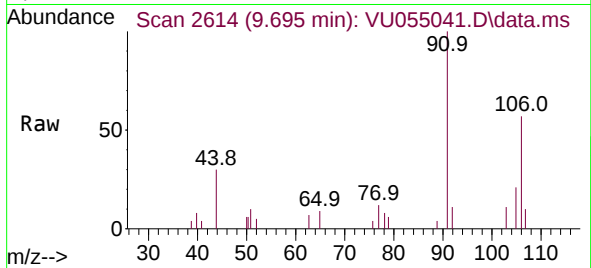




#53
m,p-Xylene
Concen: 0.149 ug/L
RT: 9.695 min Scan# 20
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

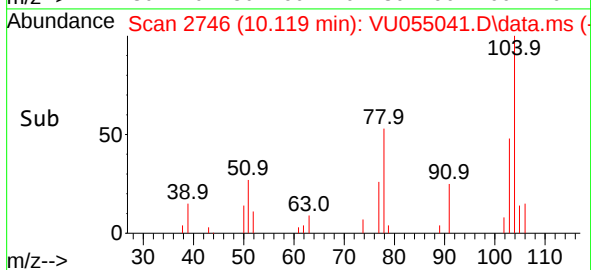
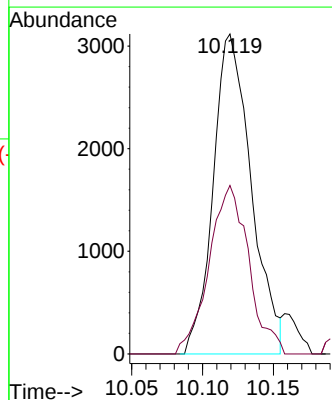
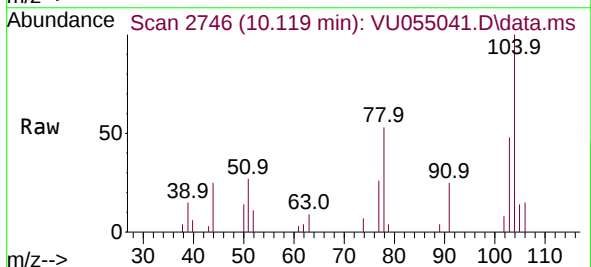
Instrument :
MSVOA_U
ClientSampleId :

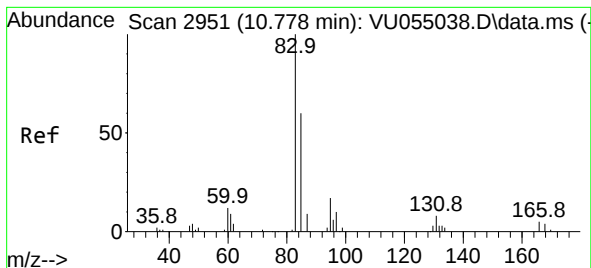
Tgt Ion:106 Resp: 2766
Ion Ratio Lower Upper
106 100
91 149.2 148.3 275.5



#55
Styrene
Concen: 0.193 ug/L
RT: 10.119 min Scan# 2746
Delta R.T. 0.006 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

Tgt Ion:104 Resp: 5825
Ion Ratio Lower Upper
104 100
78 56.2 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.167 ug/L

RT: 10.782 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU055041.D

Acq: 01 Sep 2023 14:53

Instrument :

MSVOA_U

ClientSampleId :

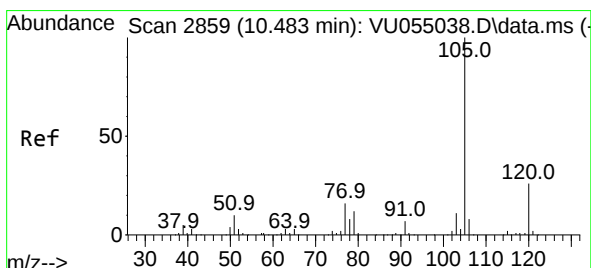
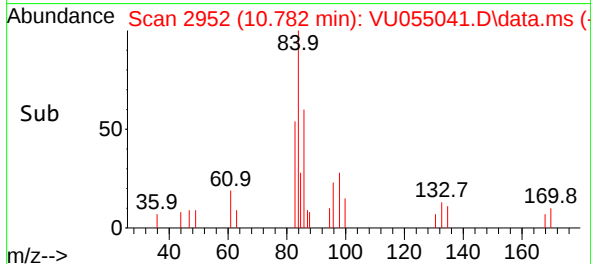
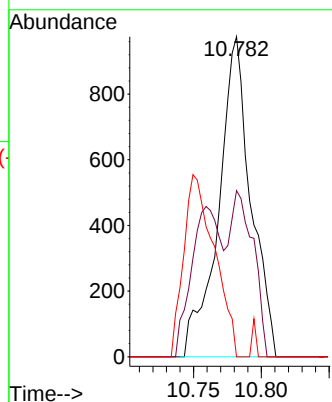
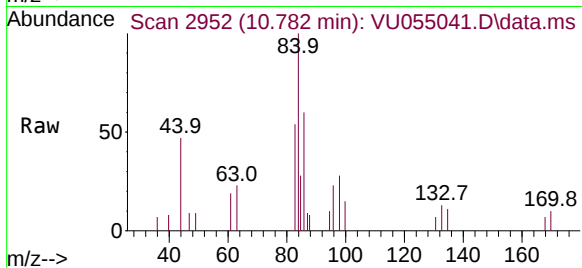
Tgt Ion: 83 Resp: 1609

Ion Ratio Lower Upper

83 100

85 51.9 42.4 78.6

131 0.0 7.6 11.4#



#60

Isopropylbenzene

Concen: 0.177 ug/L

RT: 10.486 min Scan# 2860

Delta R.T. 0.003 min

Lab File: VU055041.D

Acq: 01 Sep 2023 14:53

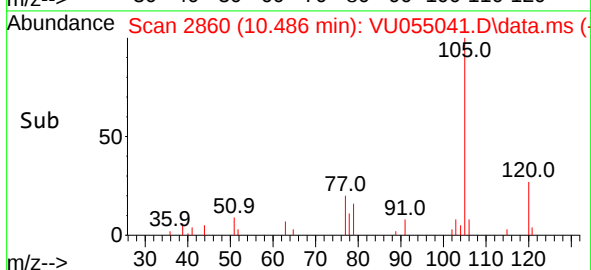
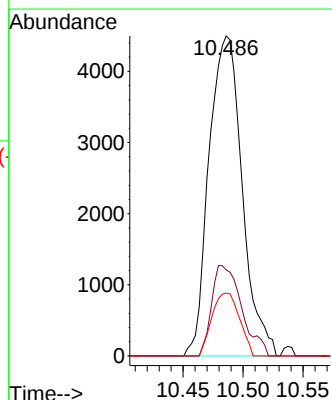
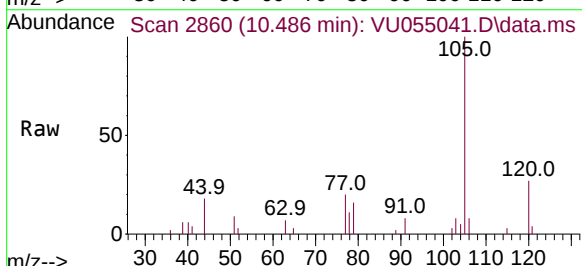
Tgt Ion: 105 Resp: 8651

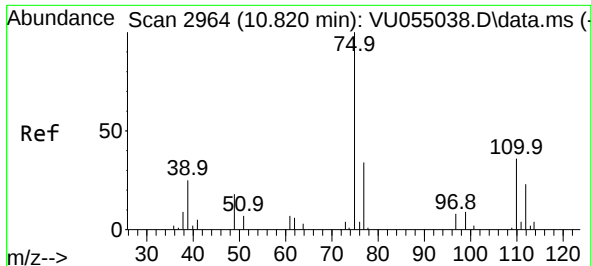
Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

77 16.3 13.4 20.0

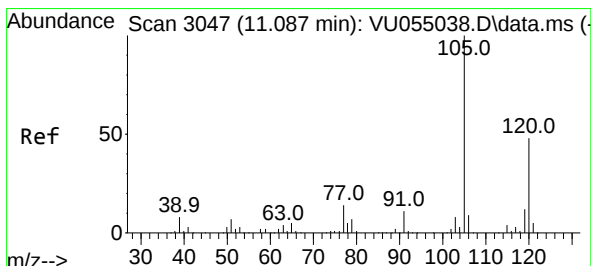
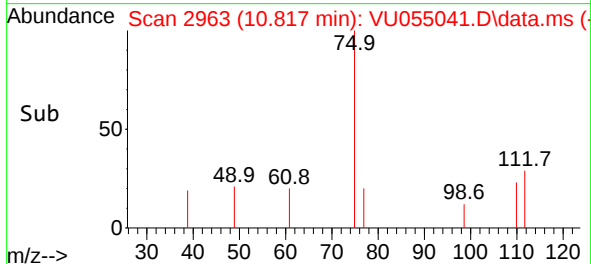
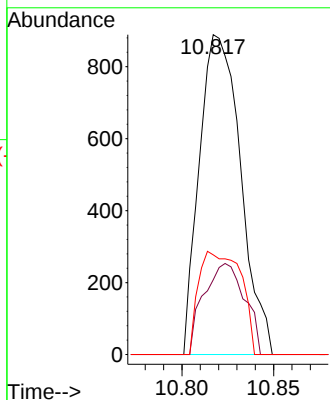
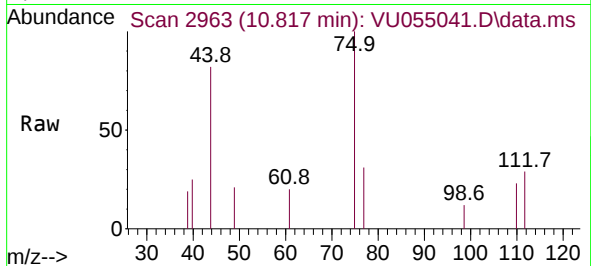




#61
1,2,3-Trichloropropane
Concen: 0.200 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

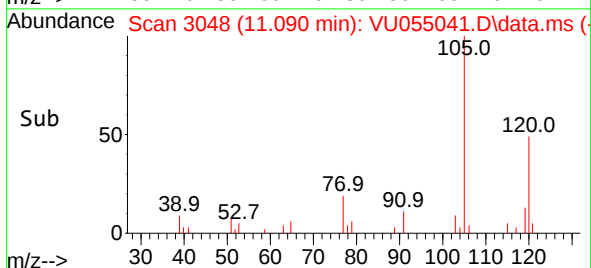
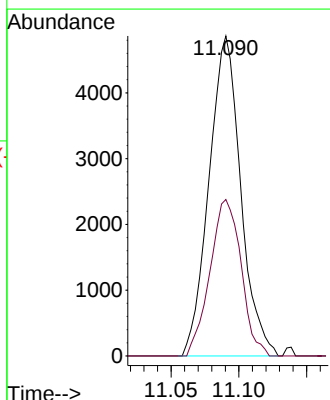
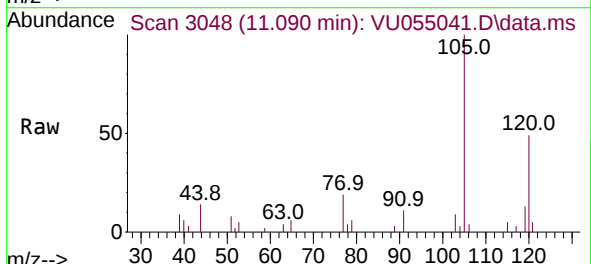
Instrument :
MSVOA_U
ClientSampleId :

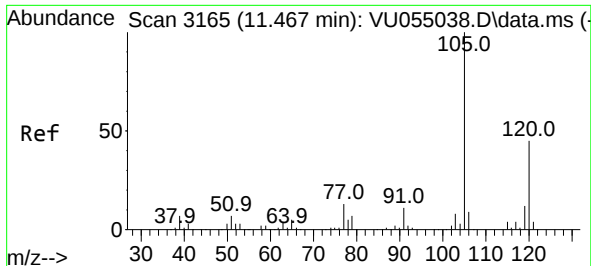
Tgt Ion: 75 Resp: 1391
Ion Ratio Lower Upper
75 100
110 28.2 28.2 42.2
77 32.9 26.2 39.4



#62
1,3,5-Trimethylbenzene
Concen: 0.194 ug/L
RT: 11.090 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

Tgt Ion: 105 Resp: 7915
Ion Ratio Lower Upper
105 100
120 48.0 37.9 56.9

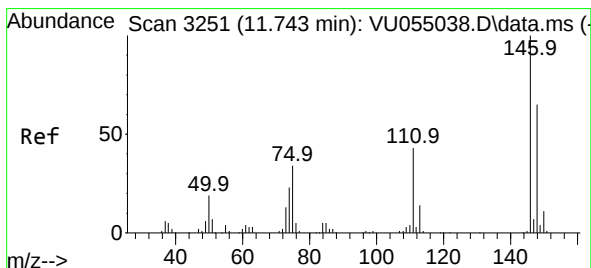
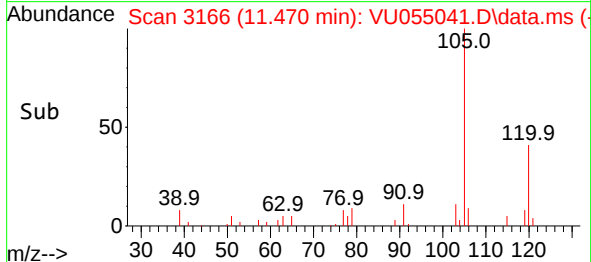
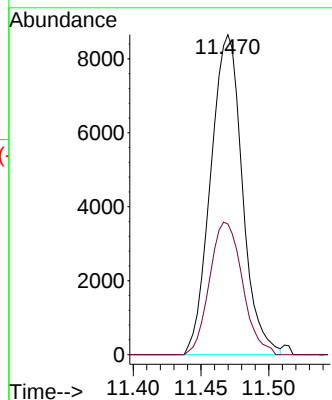
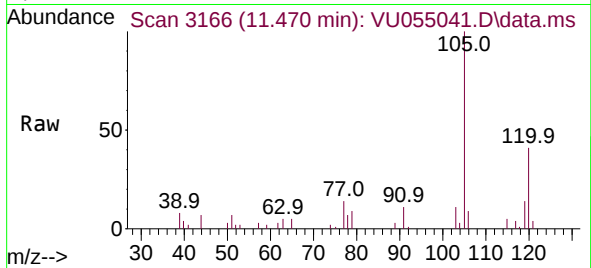




#63
 1,2,4-Trimethylbenzene
 Concen: 0.351 ug/L
 RT: 11.470 min Scan# 3166
 Delta R.T. 0.003 min
 Lab File: VU055041.D
 Acq: 01 Sep 2023 14:53

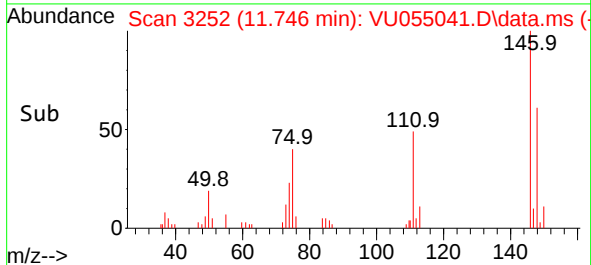
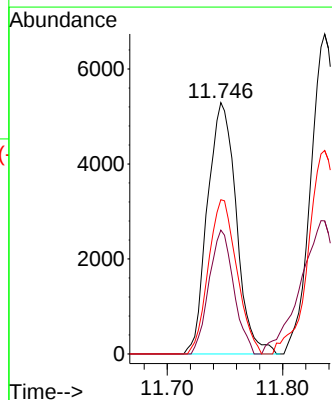
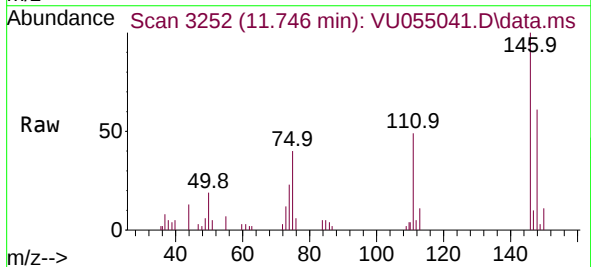
Instrument :
 MSVOA_U
 ClientSampleId :

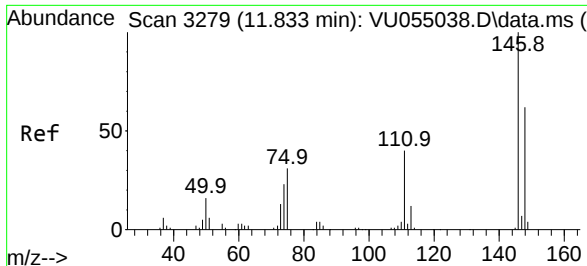
Tgt Ion:105 Resp: 14073
 Ion Ratio Lower Upper
 105 100
 120 42.9 35.4 53.0



#64
 1,3-Dichlorobenzene
 Concen: 0.390 ug/L
 RT: 11.746 min Scan# 3252
 Delta R.T. 0.003 min
 Lab File: VU055041.D
 Acq: 01 Sep 2023 14:53

Tgt Ion:146 Resp: 9172
 Ion Ratio Lower Upper
 146 100
 111 49.3 30.0 55.6
 148 61.3 45.2 84.0

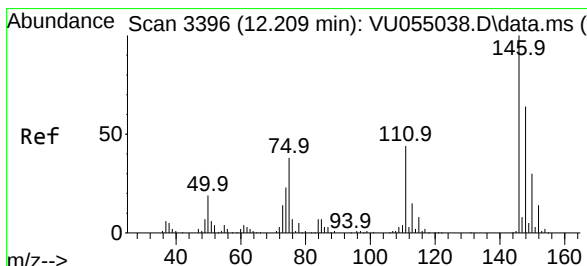
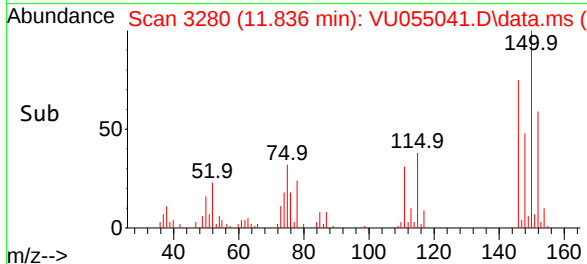
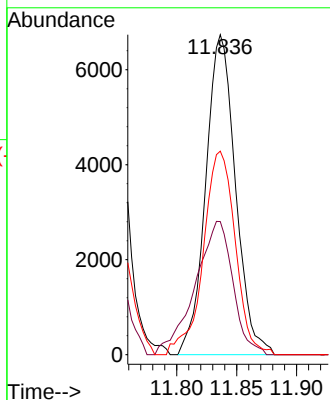
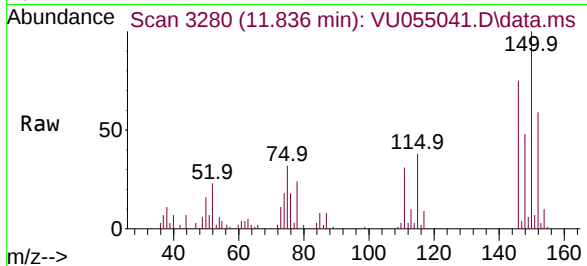




#65
1,4-Dichlorobenzene
Concen: 0.496 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

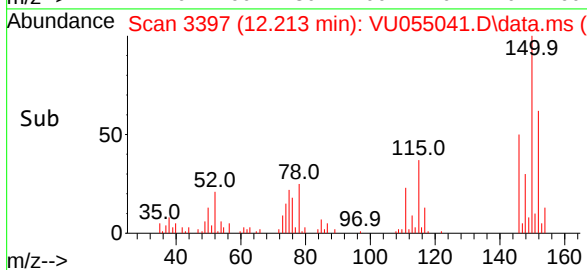
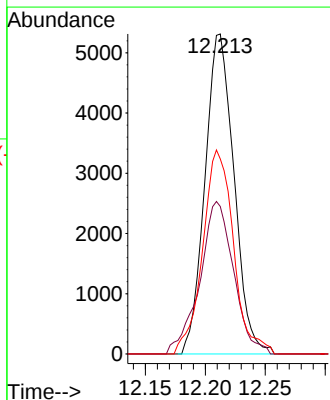
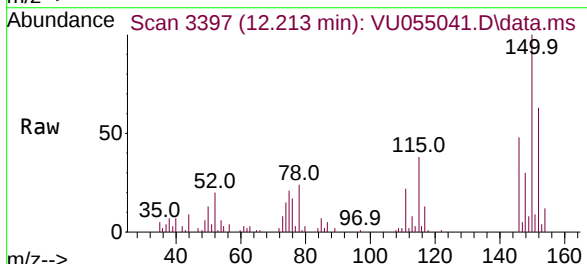
Instrument :
MSVOA_U
ClientSampleId :

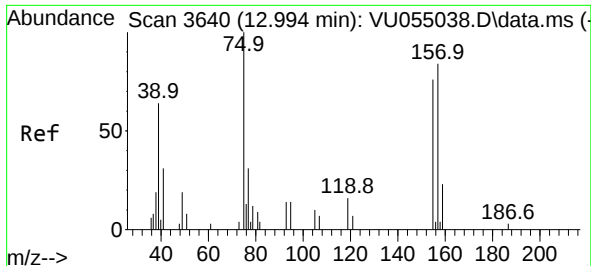
Tgt Ion:146 Resp: 11622
Ion Ratio Lower Upper
146 100
111 41.6 28.1 52.1
148 63.6 43.8 81.3



#67
1,2-Dichlorobenzene
Concen: 0.407 ug/L
RT: 12.213 min Scan# 3397
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

Tgt Ion:146 Resp: 8959
Ion Ratio Lower Upper
146 100
111 46.1 35.6 53.4
148 60.9 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 0.319 ug/L

RT: 13.003 min Scan# 3643

Delta R.T. 0.010 min

Lab File: VU055041.D

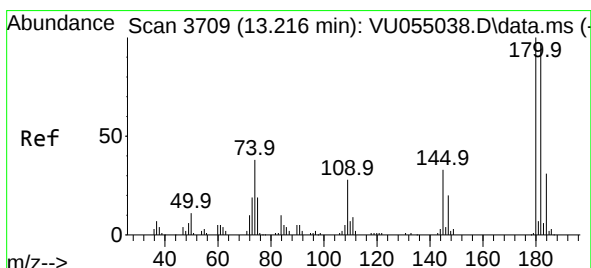
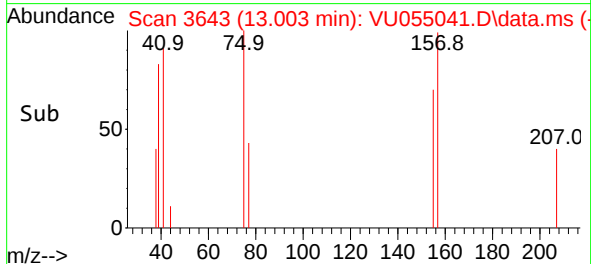
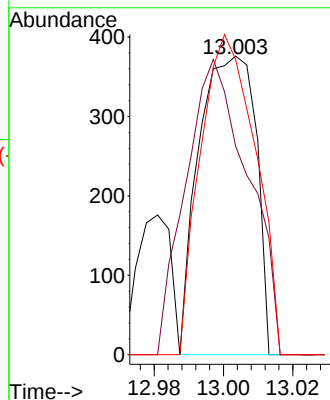
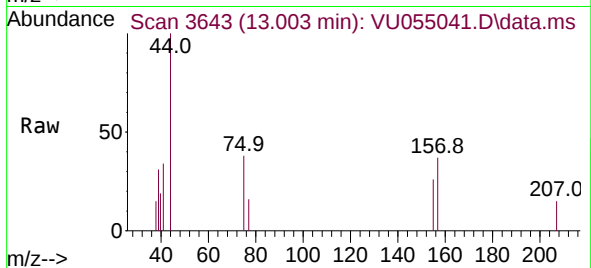
Acq: 01 Sep 2023 14:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75	Resp:	428
Ion Ratio	Lower	Upper
75	100	
155	69.9	61.1 91.7
157	98.9	66.8 100.2



#69

1,3,5-Trichlorobenzene

Concen: 0.777 ug/L

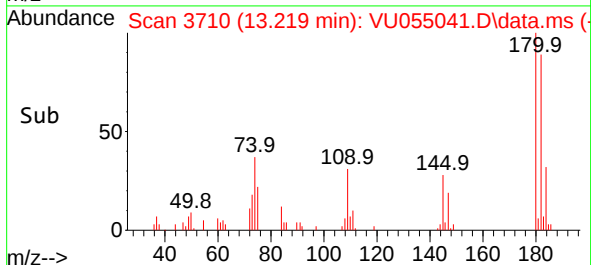
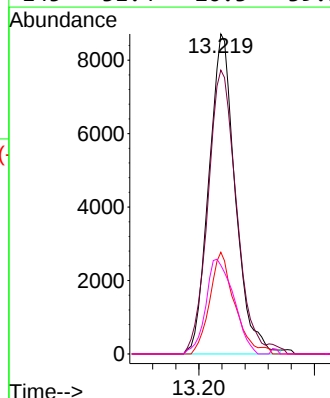
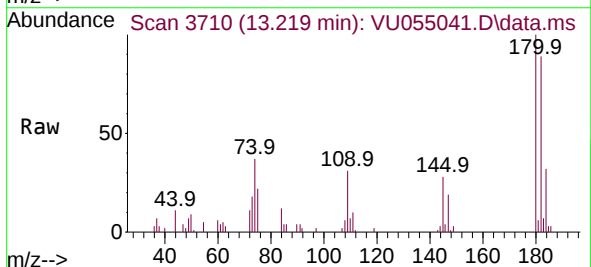
RT: 13.219 min Scan# 3710

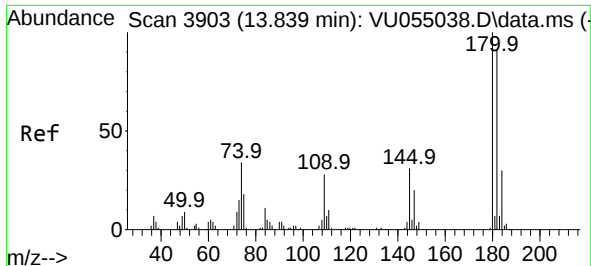
Delta R.T. 0.003 min

Lab File: VU055041.D

Acq: 01 Sep 2023 14:53

Tgt Ion: 180	Resp:	13783
Ion Ratio	Lower	Upper
180	100	
182	96.5	75.8 113.6
184	30.1	24.0 36.0
145	31.4	26.3 39.5

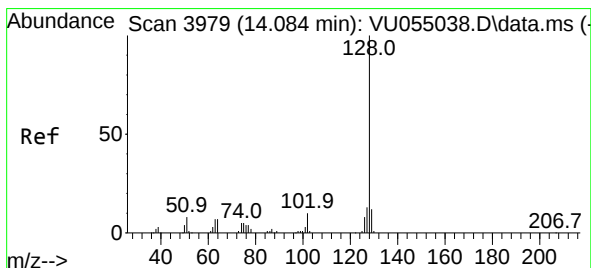
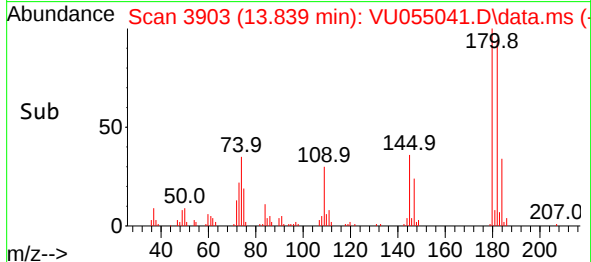
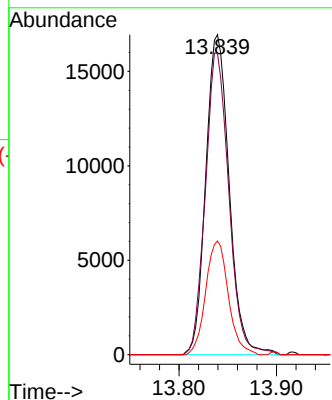
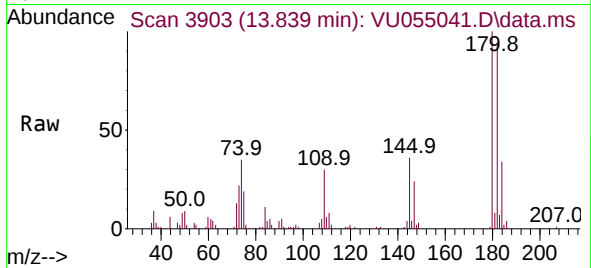




#70
1,2,4-trichlorobenzene
Concen: 1.695 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

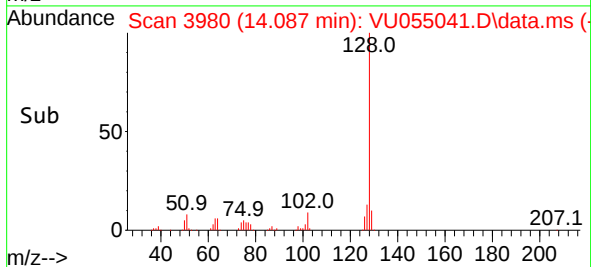
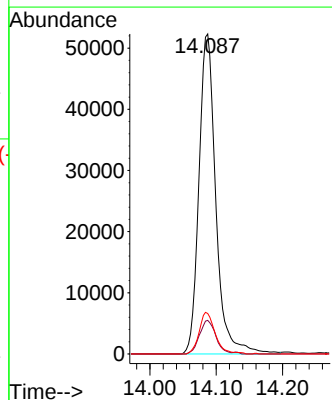
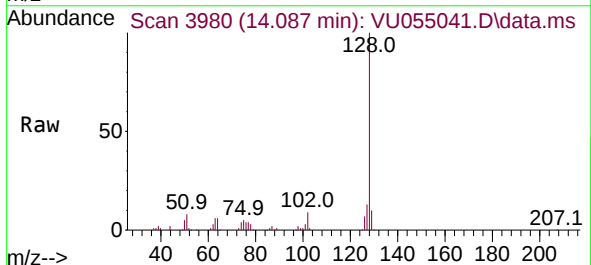
Instrument :
MSVOA_U
ClientSampleId :

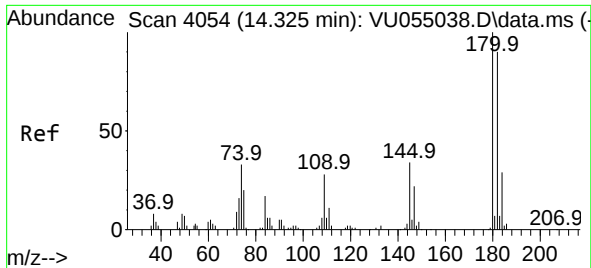
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	73.6	110.4
145	34.4	25.8	38.8



#71
Naphthalene
Concen: 3.059 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.003 min
Lab File: VU055041.D
Acq: 01 Sep 2023 14:53

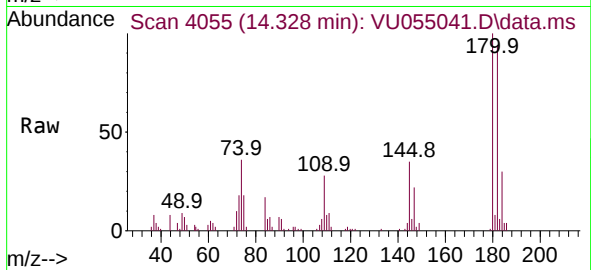
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.2	12.2
127	12.3	10.0	15.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.814 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.003 min
 Lab File: VU055041.D
 Acq: 01 Sep 2023 14:53

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	26209
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.6	113.4
145	34.3	27.0	40.6

