

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
 Data File : VU051823.D
 Acq On : 11 Nov 2022 18:31
 Operator : JC/MD
 Sample : N5593-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD1

Quant Time: Nov 12 01:24:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 12 01:22:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	220567	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	229078	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	96652	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	62547	3.765	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.906	69	59622	3.441	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.800%
11) 1,1-Dichloroethene-d2	2.565	65	28835	4.783	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.616	46	208267	34.618	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.240%
24) Chloroform-d	5.060	84	174845	4.498	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.700	65	77193	3.676	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
32) Benzene-d6	5.726	84	290812	4.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.690	67	100839	3.989	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.800%
41) Toluene-d8	7.896	98	240743	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	8.179	79	30846	3.991	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.632	63	207427	44.581	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.160%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	95933	4.141	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	95358	5.375	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	16585	0.882	ug/L #	41
12) 1,1-Dichloroethene	2.575	96	6152816	320.880	ug/L #	83
16) Methylene chloride	3.044	84	10169	0.324	ug/L	96
18) trans-1,2-Dichloroethene	3.346	96	3207	0.156	ug/L	96
19) 1,1-Dichloroethane	3.864	63	317165	8.356	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	136286	5.985	ug/L	99
25) Chloroform	5.086	83	811062	20.597	ug/L	99
27) 1,2-Dichloroethane	5.793	62	12301	0.508	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	642521	20.658	ug/L	99
31) Carbon tetrachloride	5.523	117	69717	2.621	ug/L	96
33) Benzene	5.774	78	126487	1.399	ug/L	100
35) Methylcyclohexane	6.690	83	22639	0.751	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	10129	0.436	ug/L #	90
38) Bromodichloromethane	7.108	83	1592	0.056	ug/L #	96
45) 1,1,2-Trichloroethane	8.578	97	496250	29.125	ug/L #	13
54) o-Xylene	10.099	106	4921	0.145	ug/L	100
61) 1,2,3-Trichloropropane	11.745	75	11693	0.936	ug/L #	48
64) 1,3-Dichlorobenzene	11.745	146	39868	1.135	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	40226	1.142	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
Data File : VU051823.D
Acq On : 11 Nov 2022 18:31
Operator : JC/MD
Sample : N5593-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AD1

Quant Time: Nov 12 01:24:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 01:22:06 2022
Response via : Initial Calibration

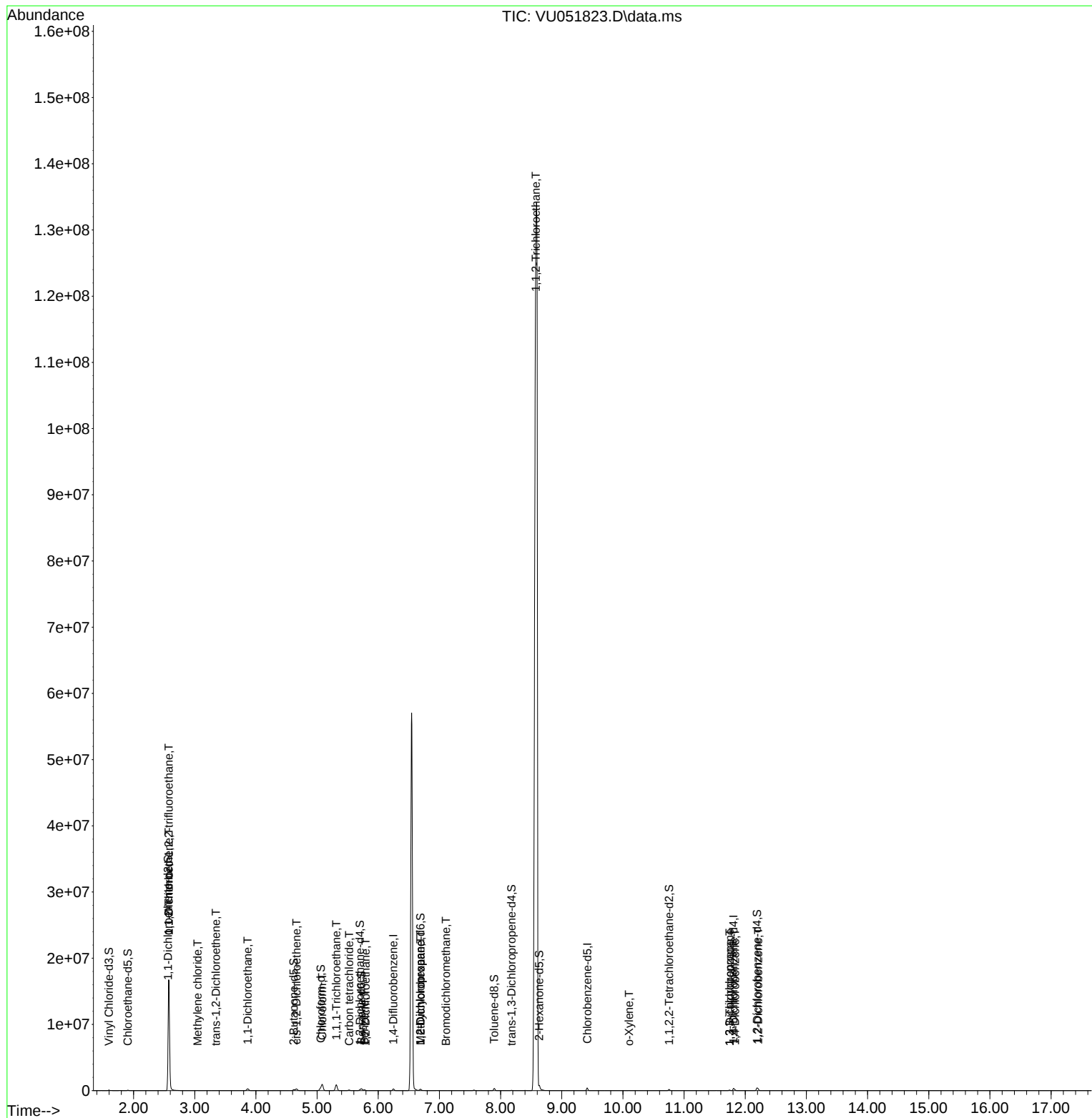
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	105148	3.073	ug/L	97

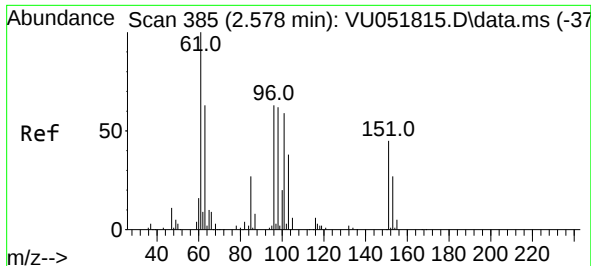
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
Data File : VU051823.D
Acq On : 11 Nov 2022 18:31
Operator : JC/MD
Sample : N5593-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AD1

Quant Time: Nov 12 01:24:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 01:22:06 2022
Response via : Initial Calibration

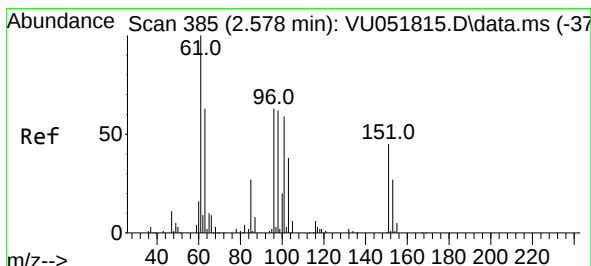
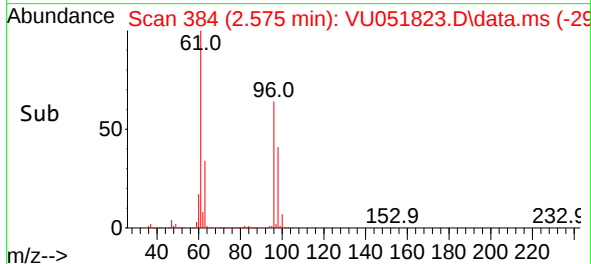
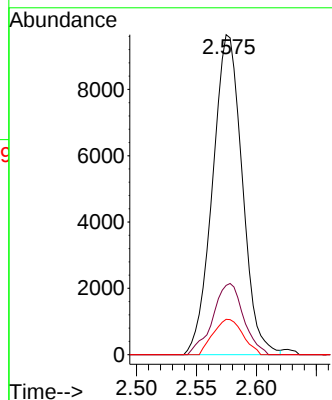
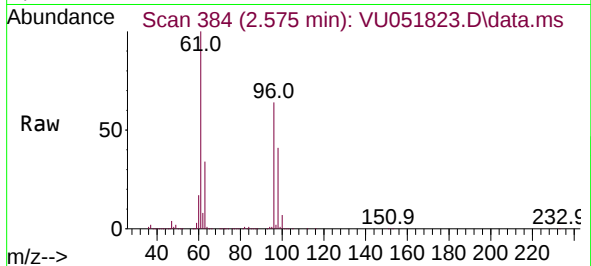




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.882 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051823.D
 Acq: 11 Nov 2022 18:31

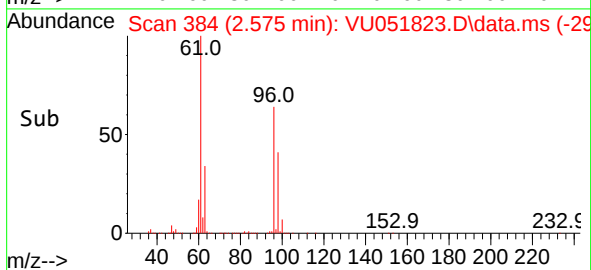
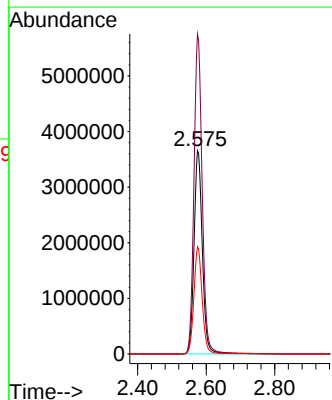
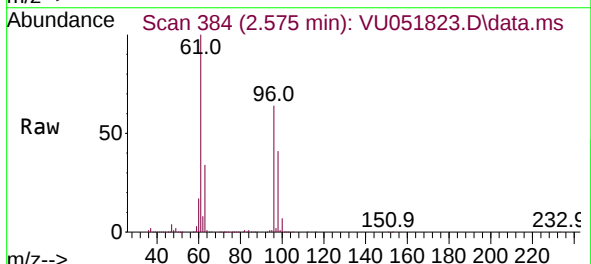
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD1

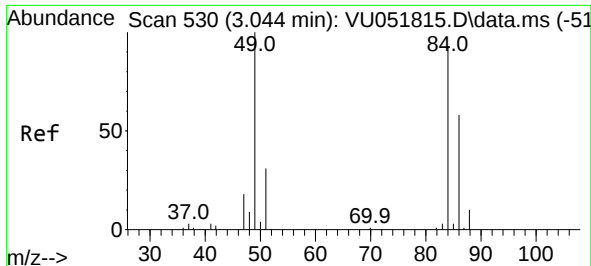
Tgt Ion: 101 Resp: 16585
 Ion Ratio Lower Upper
 101 100
 85 23.0 35.6 53.4#
 151 11.0 59.6 89.4#



#12
 1,1-Dichloroethene
 Concen: 320.880 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051823.D
 Acq: 11 Nov 2022 18:31

Tgt Ion: 96 Resp: 6152816
 Ion Ratio Lower Upper
 96 100
 61 157.4 108.8 202.0
 63 52.7 64.9 120.5#

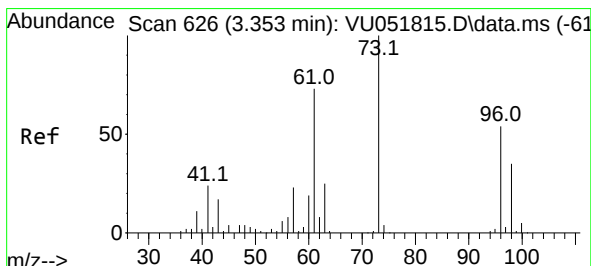
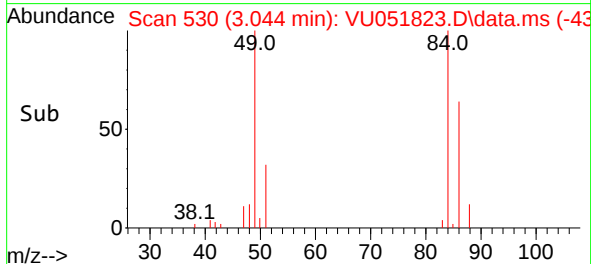
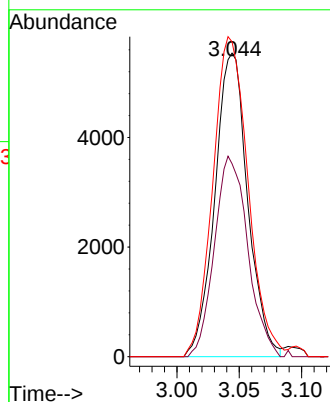
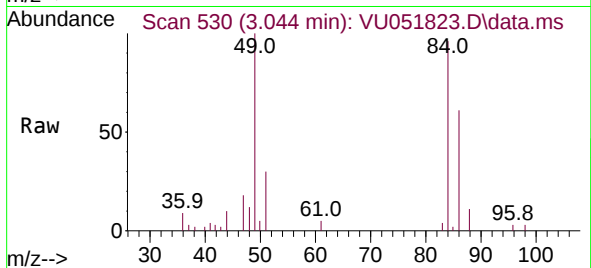




#16
Methylene chloride
Concen: 0.324 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

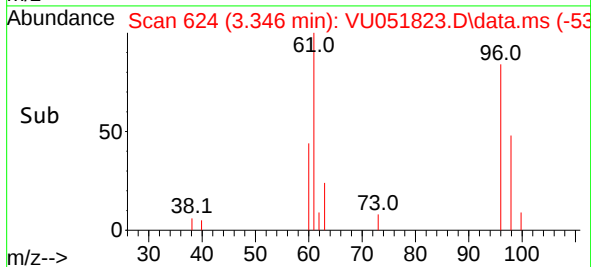
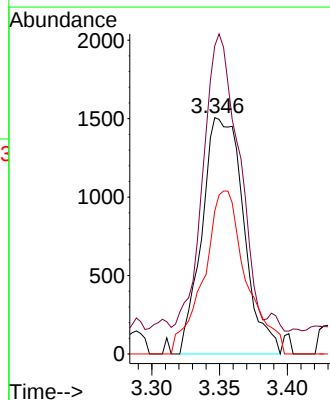
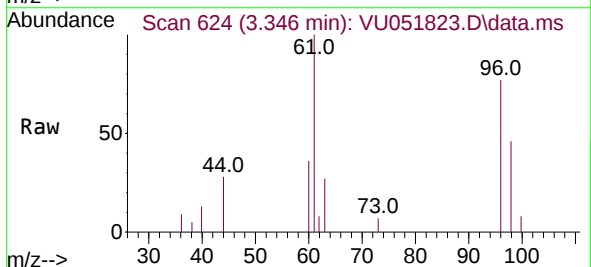
Instrument :
MSVOA_U
ClientSampleId :
H0AD1

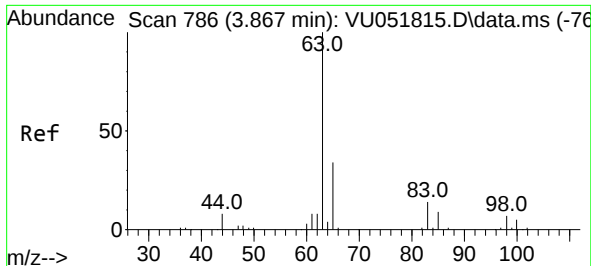
Tgt Ion: 84 Resp: 10169
Ion Ratio Lower Upper
84 100
86 63.6 46.3 85.9
49 103.7 76.0 141.2



#18
trans-1,2-Dichloroethene
Concen: 0.156 ug/L
RT: 3.346 min Scan# 624
Delta R.T. -0.006 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

Tgt Ion: 96 Resp: 3207
Ion Ratio Lower Upper
96 100
61 130.4 94.7 175.9
98 60.5 44.2 82.0





#19

1,1-Dichloroethane

Concen: 8.356 ug/L

RT: 3.864 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU051823.D

Acq: 11 Nov 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

H0AD1

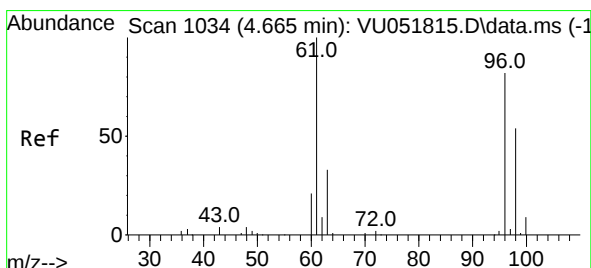
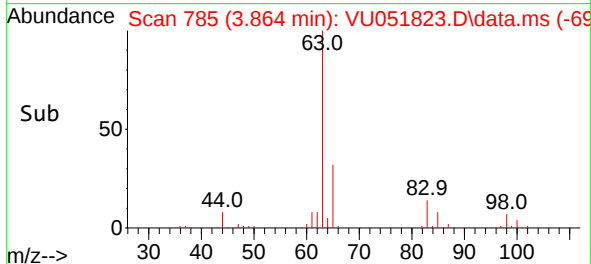
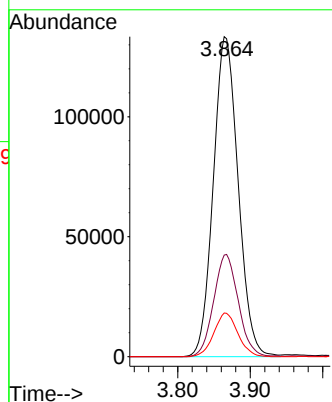
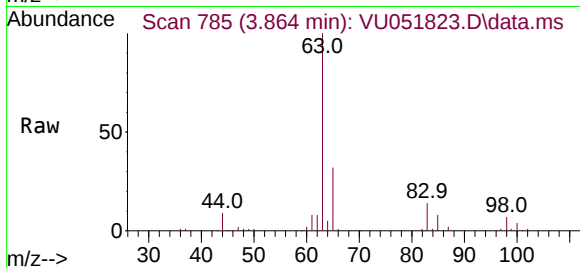
Tgt Ion: 63 Resp: 317165

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.1

83 13.7 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 5.985 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051823.D

Acq: 11 Nov 2022 18:31

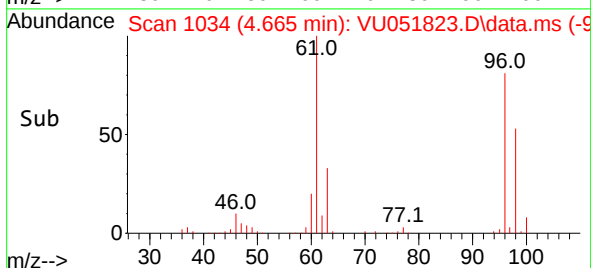
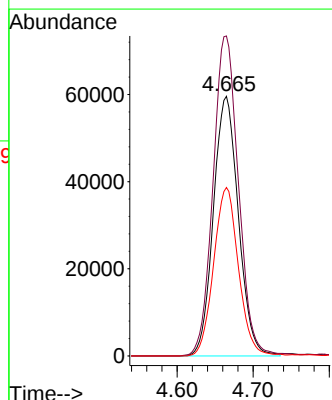
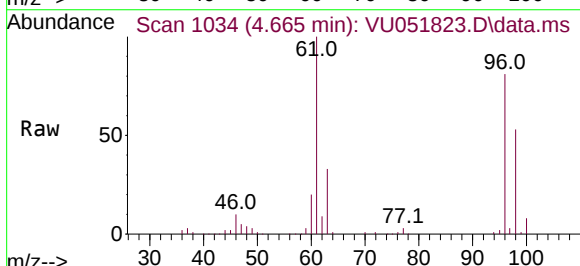
Tgt Ion: 96 Resp: 136286

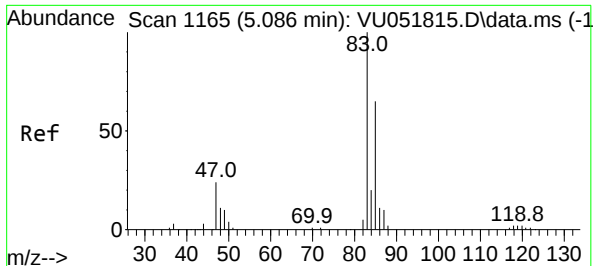
Ion Ratio Lower Upper

96 100

61 123.2 86.4 160.4

98 64.9 44.2 82.2





#25

Chloroform

Concen: 20.597 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051823.D

Acq: 11 Nov 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

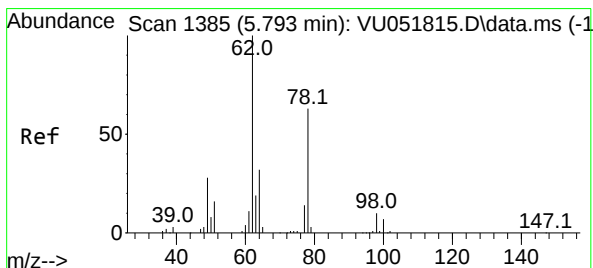
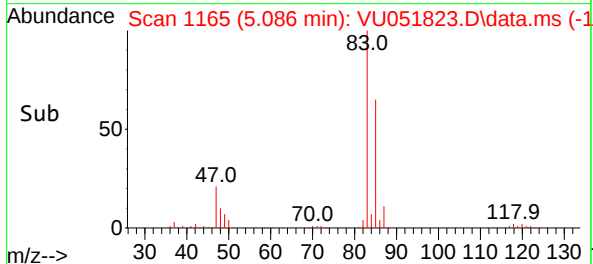
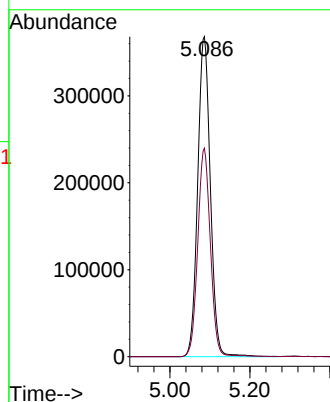
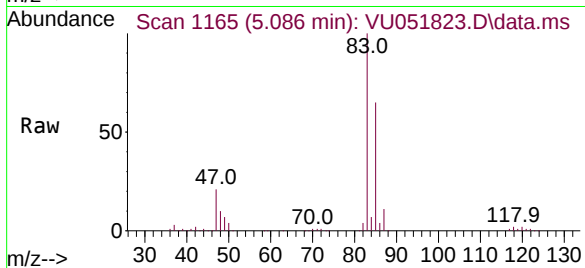
H0AD1

Tgt Ion: 83 Resp: 811062

Ion Ratio Lower Upper

83 100

85 65.1 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.508 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051823.D

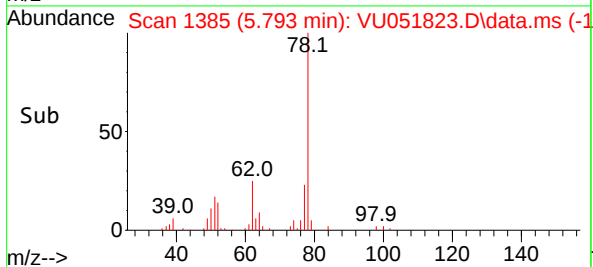
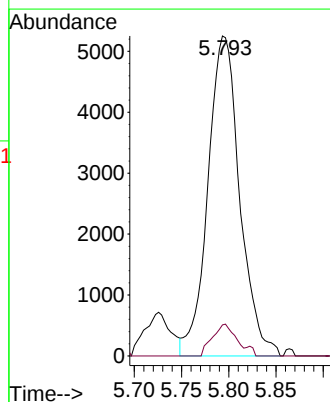
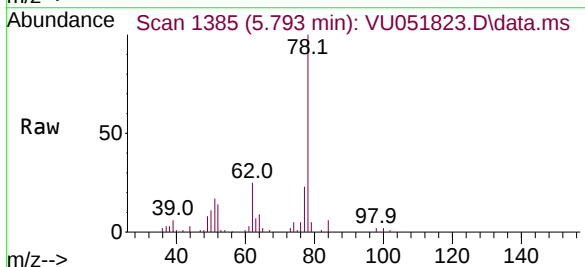
Acq: 11 Nov 2022 18:31

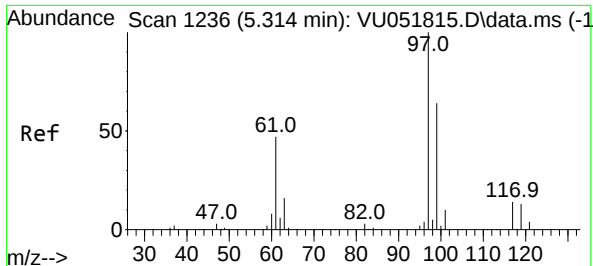
Tgt Ion: 62 Resp: 12301

Ion Ratio Lower Upper

62 100

98 9.7 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 20.658 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051823.D

Acq: 11 Nov 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

H0AD1

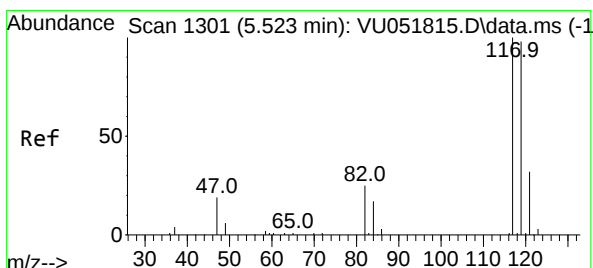
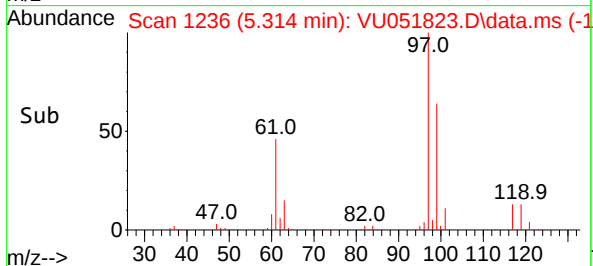
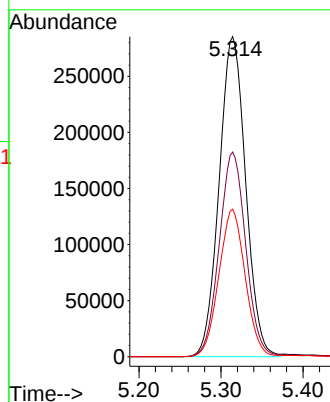
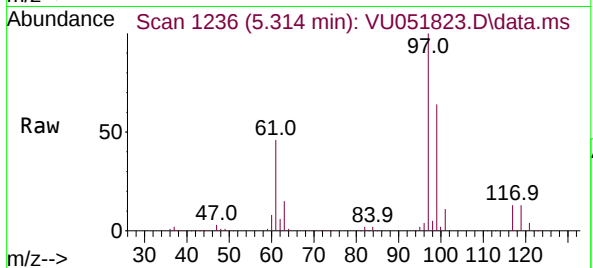
Tgt Ion: 97 Resp: 642521

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 46.0 37.4 56.0



#31

Carbon tetrachloride

Concen: 2.621 ug/L

RT: 5.523 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VU051823.D

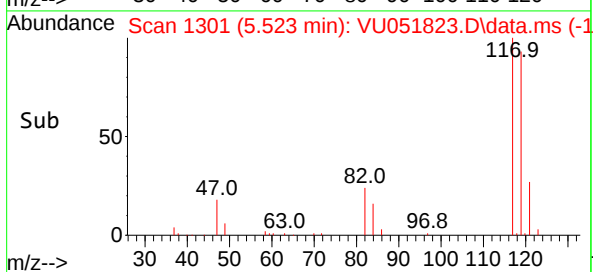
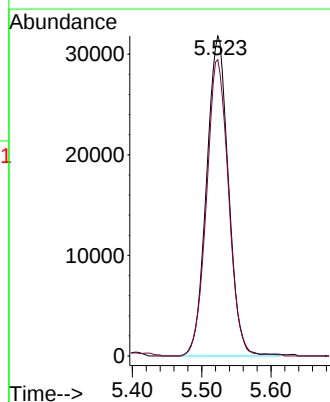
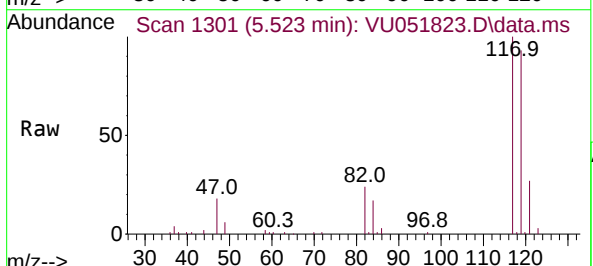
Acq: 11 Nov 2022 18:31

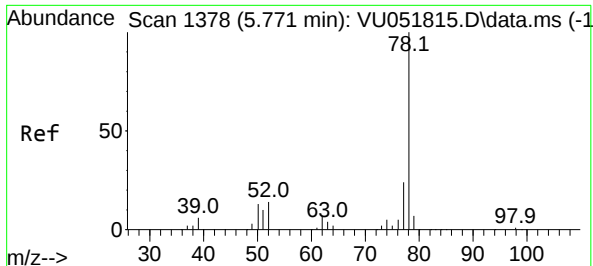
Tgt Ion: 117 Resp: 69717

Ion Ratio Lower Upper

117 100

119 93.1 77.5 116.3

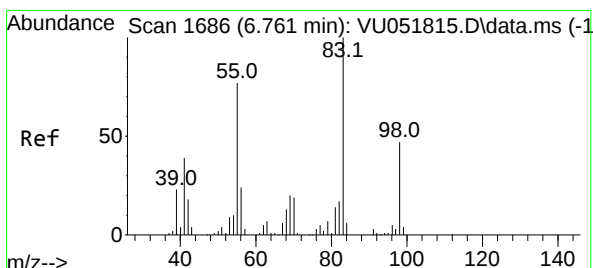
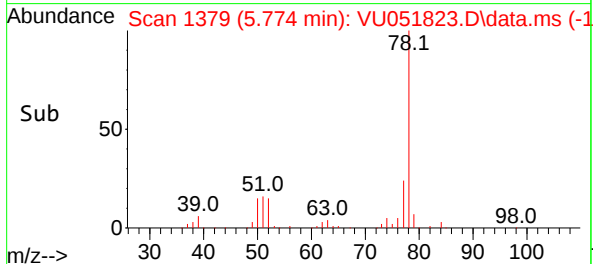
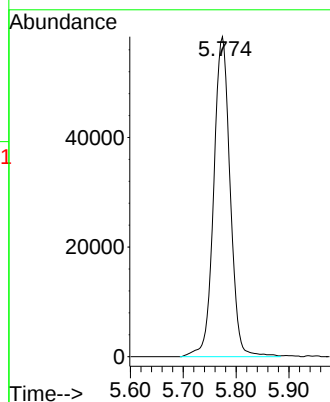
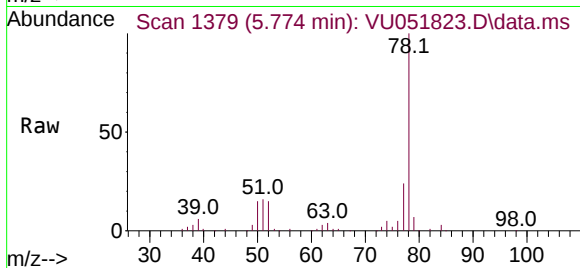




#33
Benzene
Concen: 1.399 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

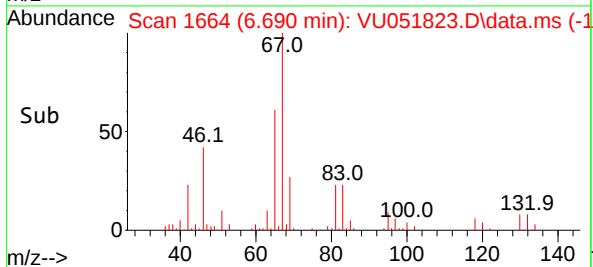
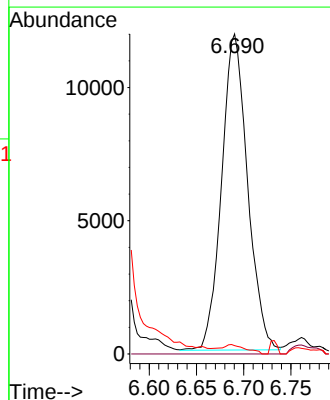
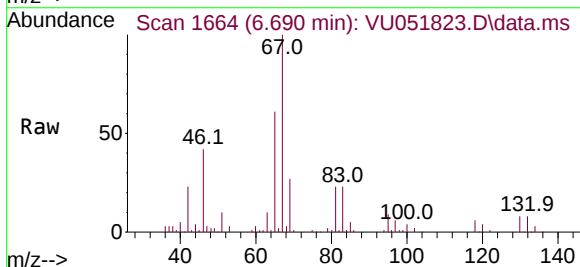
Instrument :
MSVOA_U
ClientSampleId :
H0AD1

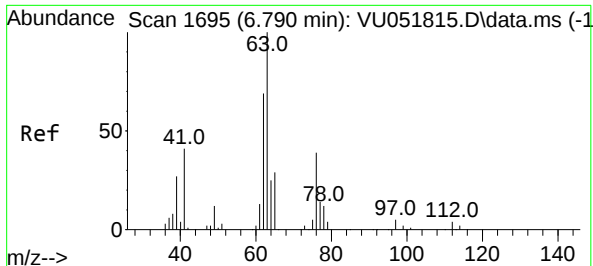
Tgt Ion: 78 Resp: 126487



#35
Methylcyclohexane
Concen: 0.751 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

Tgt Ion: 83 Resp: 22639
Ion Ratio Lower Upper
83 100
55 2.5 60.6 90.8#
98 0.0 35.8 53.6#





#37

1,2-Dichloropropane

Concen: 0.436 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU051823.D

Acq: 11 Nov 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

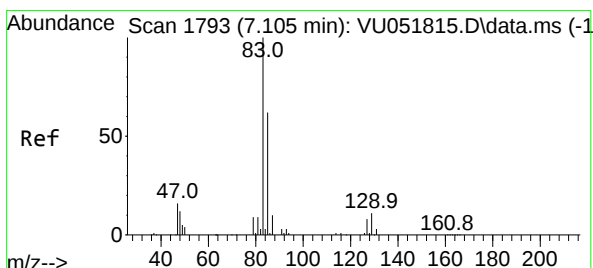
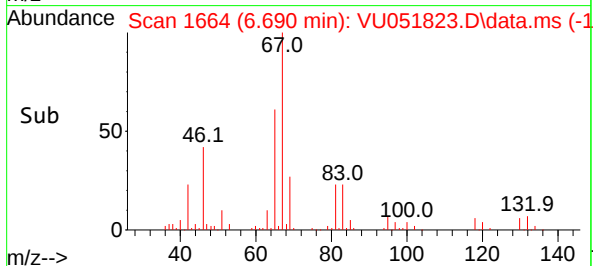
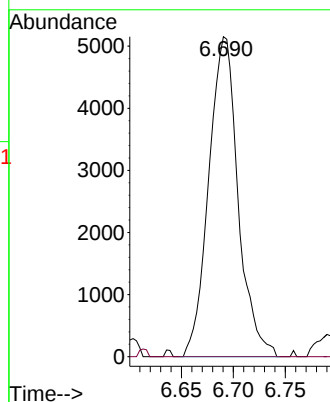
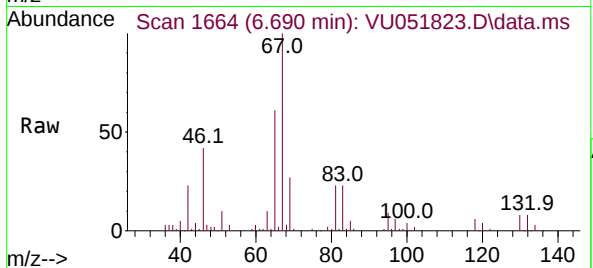
H0AD1

Tgt Ion: 63 Resp: 10129

Ion Ratio Lower Upper

63 100

112 0.7 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.056 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU051823.D

Acq: 11 Nov 2022 18:31

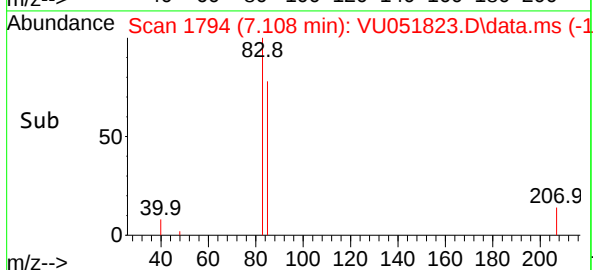
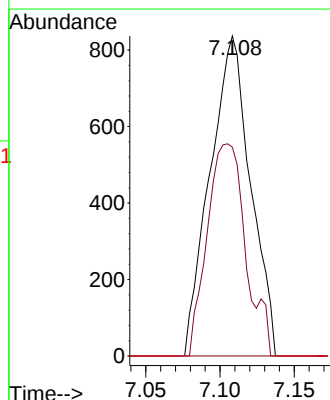
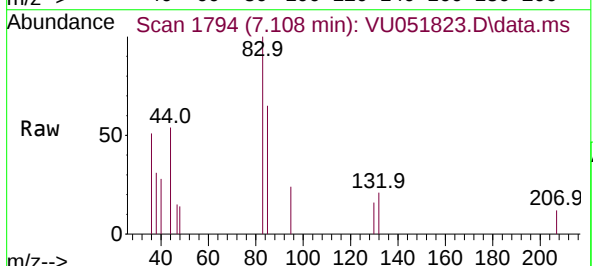
Tgt Ion: 83 Resp: 1592

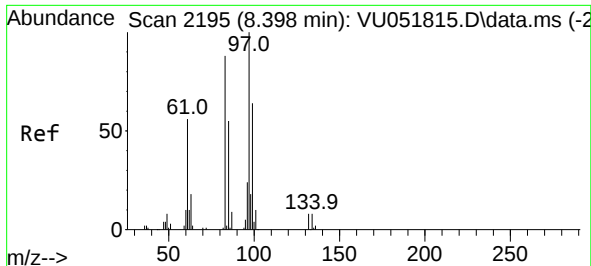
Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

127 0.0 6.6 9.8#

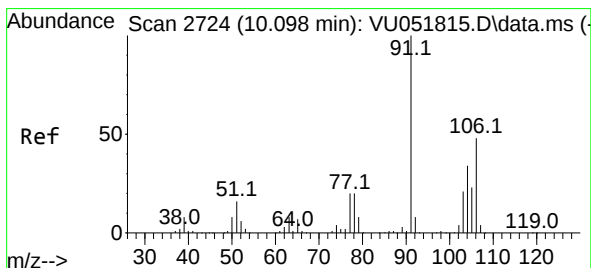
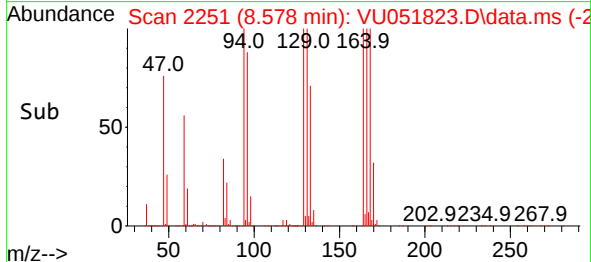
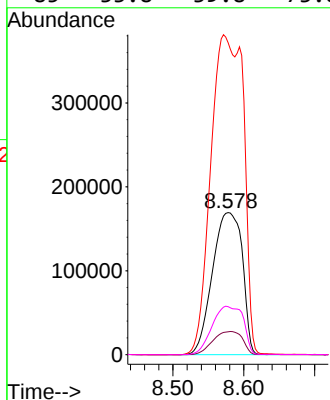
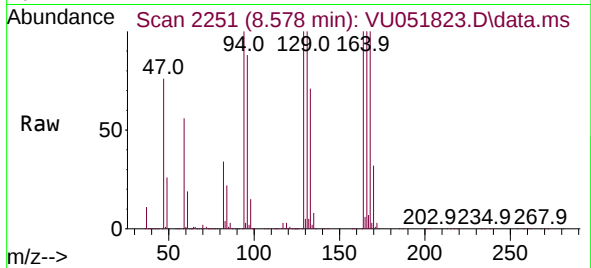




#45
1,1,2-Trichloroethane
Concen: 29.125 ug/L
RT: 8.578 min Scan# 2195
Delta R.T. 0.180 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

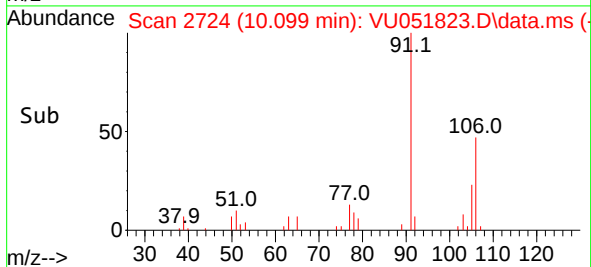
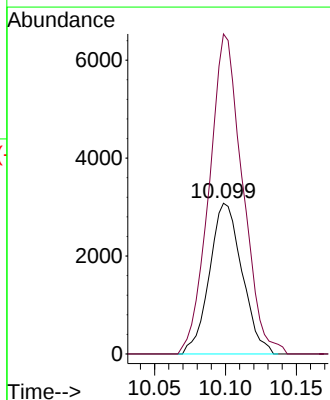
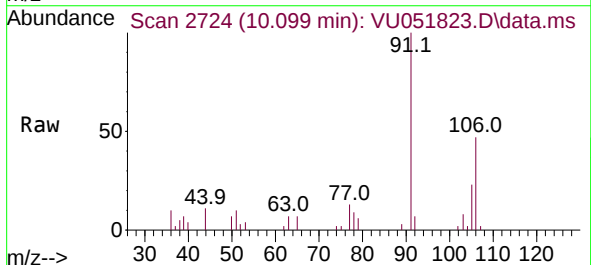
Instrument :
MSVOA_U
ClientSampleId :
H0AD1

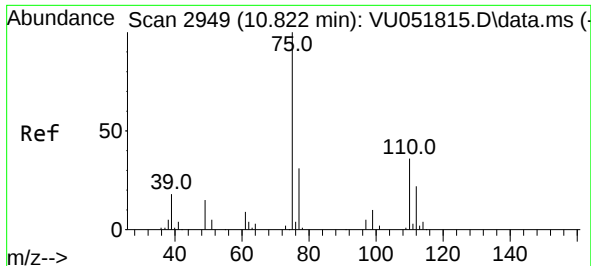
Tgt Ion: 97 Resp: 496250
Ion Ratio Lower Upper
97 100
99 16.1 43.4 80.6#
83 219.6 61.3 113.9#
85 33.8 39.8 73.8#



#54
o-Xylene
Concen: 0.145 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

Tgt Ion: 106 Resp: 4921
Ion Ratio Lower Upper
106 100
91 212.4 149.2 277.2

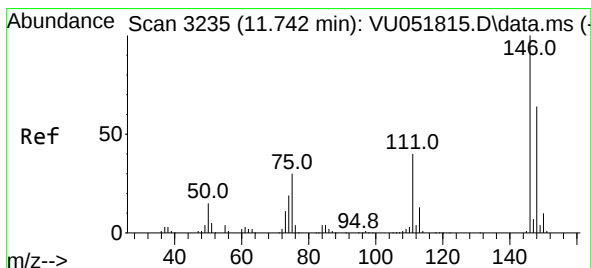
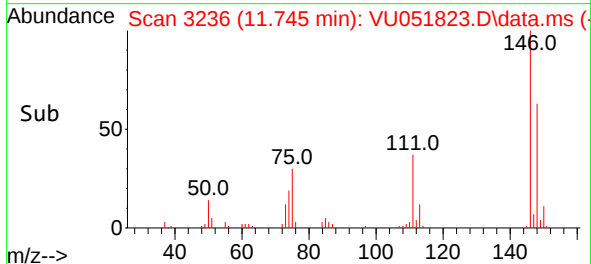
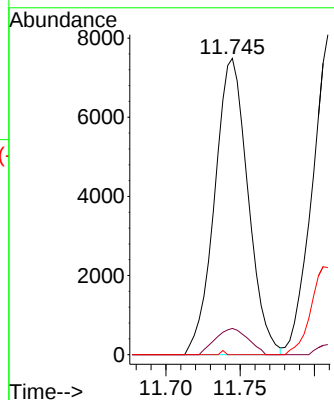
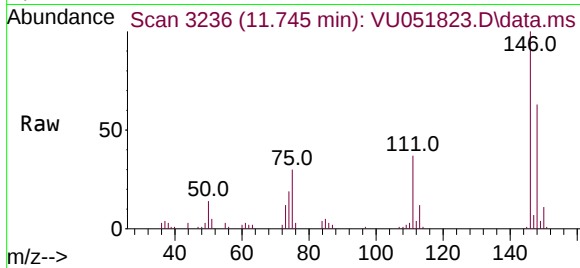




#61
1,2,3-Trichloropropane
Concen: 0.936 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

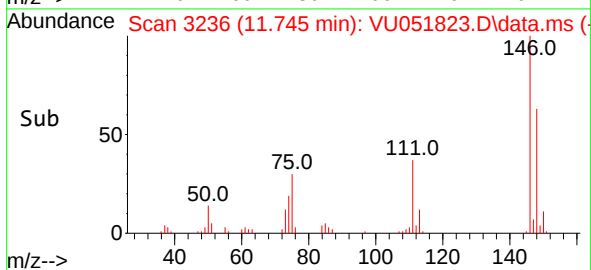
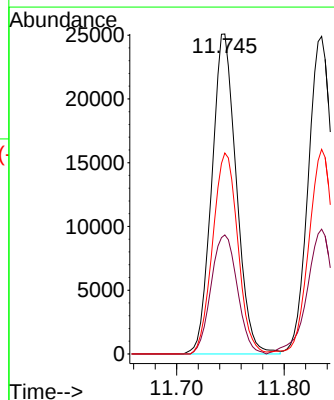
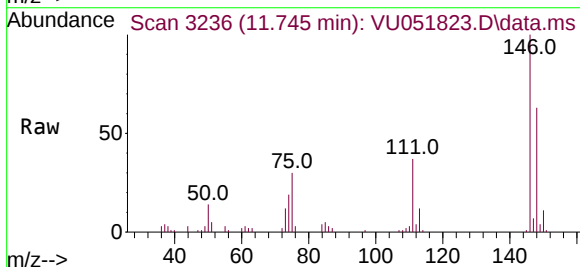
Instrument :
MSVOA_U
ClientSampleId :
H0AD1

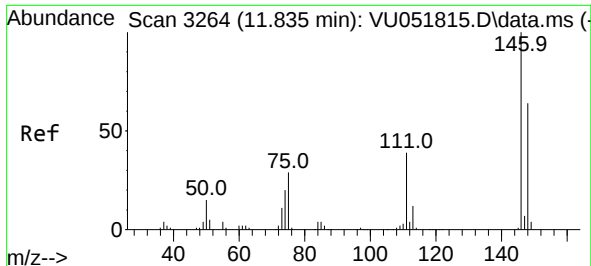
Tgt Ion: 75 Resp: 11693
Ion Ratio Lower Upper
75 100
110 8.7 28.7 43.1#
77 0.0 26.1 39.1#



#64
1,3-Dichlorobenzene
Concen: 1.135 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

Tgt Ion:146 Resp: 39868
Ion Ratio Lower Upper
146 100
111 37.2 28.6 53.2
148 62.8 44.7 82.9

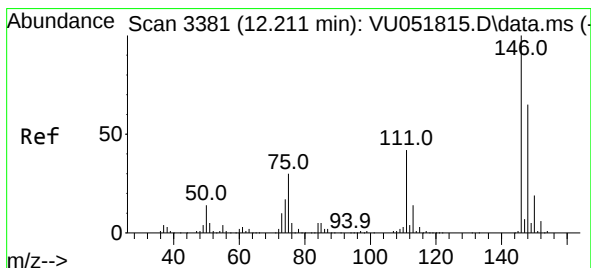
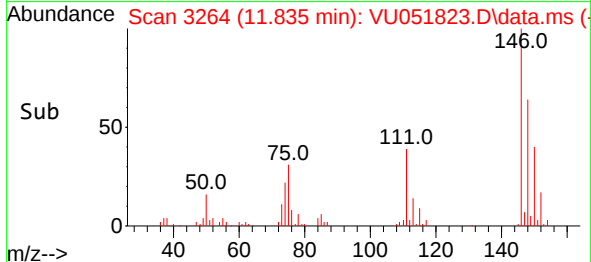
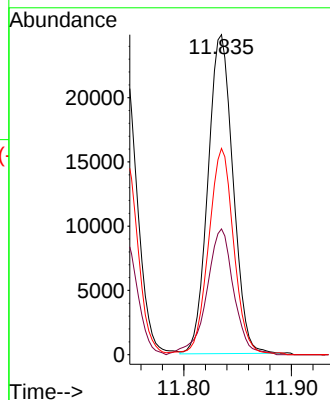
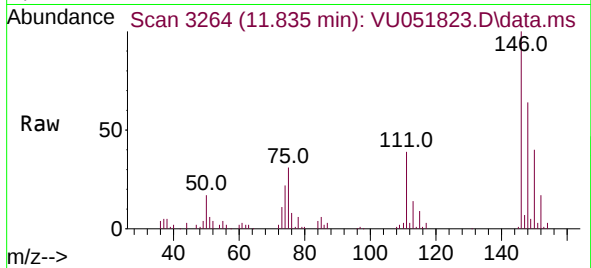




#65
1,4-Dichlorobenzene
Concen: 1.142 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

Instrument :
MSVOA_U
ClientSampleId :
H0AD1

Tgt Ion:	146	Resp:	40226
Ion Ratio	Lower	Upper	
146	100		
111	39.3	26.7	49.5
148	64.5	43.5	80.9



#67
1,2-Dichlorobenzene
Concen: 3.073 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051823.D
Acq: 11 Nov 2022 18:31

Tgt Ion:	146	Resp:	105148
Ion Ratio	Lower	Upper	
146	100		
111	42.1	34.2	51.2
148	65.5	50.1	75.1

