

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111422\
 Data File : VU051845.D
 Acq On : 14 Nov 2022 19:39
 Operator : JC/MD
 Sample : N5592-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 03:06:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 03:00:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	148175	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	148927	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	53992	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	48916	4.383	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.600%	
7) Chloroethane-d5	1.909	69	52825	4.539	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.800%	
11) 1,1-Dichloroethene-d2	2.565	65	20587	5.083	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	101.600%	
20) 2-Butanone-d5	4.617	46	186008	46.023	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	92.040%	
24) Chloroform-d	5.060	84	138186	5.292	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	105.800%	
26) 1,2-Dichloroethane-d4	5.700	65	68209	4.835	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.800%	
32) Benzene-d6	5.726	84	223512	4.756	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.200%	
36) 1,2-Dichloropropane-d6	6.687	67	84947	5.169	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.400%	
41) Toluene-d8	7.896	98	162535	4.398	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.000%	
43) trans-1,3-Dichloroprop...	8.179	79	19966	3.973	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	79.400%	
46) 2-Hexanone-d5	8.629	63	166272	54.968	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	109.940%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	80227	5.327	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	106.600%	
66) 1,2-Dichlorobenzene-d4	12.192	152	60550	6.110	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	122.200%#	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	9232	0.731	ug/L #	37
12) 1,1-Dichloroethene	2.578	96	3191008	247.720	ug/L #	84
16) Methylene chloride	3.044	84	6507	0.308	ug/L	97
17) Methyl tert-butyl Ether	3.366	73	10615	0.359	ug/L	98
18) trans-1,2-Dichloroethene	3.356	96	2678	0.194	ug/L	91
19) 1,1-Dichloroethane	3.867	63	149513	5.863	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	150611	9.846	ug/L	99
25) Chloroform	5.086	83	324876	12.281	ug/L	99
27) 1,2-Dichloroethane	5.793	62	6152	0.378	ug/L	97
29) 1,1,1-Trichloroethane	5.314	97	94678	4.682	ug/L	99
31) Carbon tetrachloride	5.523	117	62236	3.599	ug/L	99
33) Benzene	5.774	78	37721	0.642	ug/L	100
34) Trichloroethene	6.542	95	11609808	818.565	ug/L	95
35) Methylcyclohexane	6.690	83	18099	0.923	ug/L #	19
37) 1,2-Dichloropropane	6.687	63	7985	0.528	ug/L #	89
38) Bromodichloromethane	7.105	83	1694	0.092	ug/L #	95
45) 1,1,2-Trichloroethane	8.401	97	11132	1.005	ug/L	97
61) 1,2,3-Trichloropropane	11.745	75	915	0.131	ug/L #	40
64) 1,3-Dichlorobenzene	11.745	146	3384	0.172	ug/L	88

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Response via : Initial Calibration

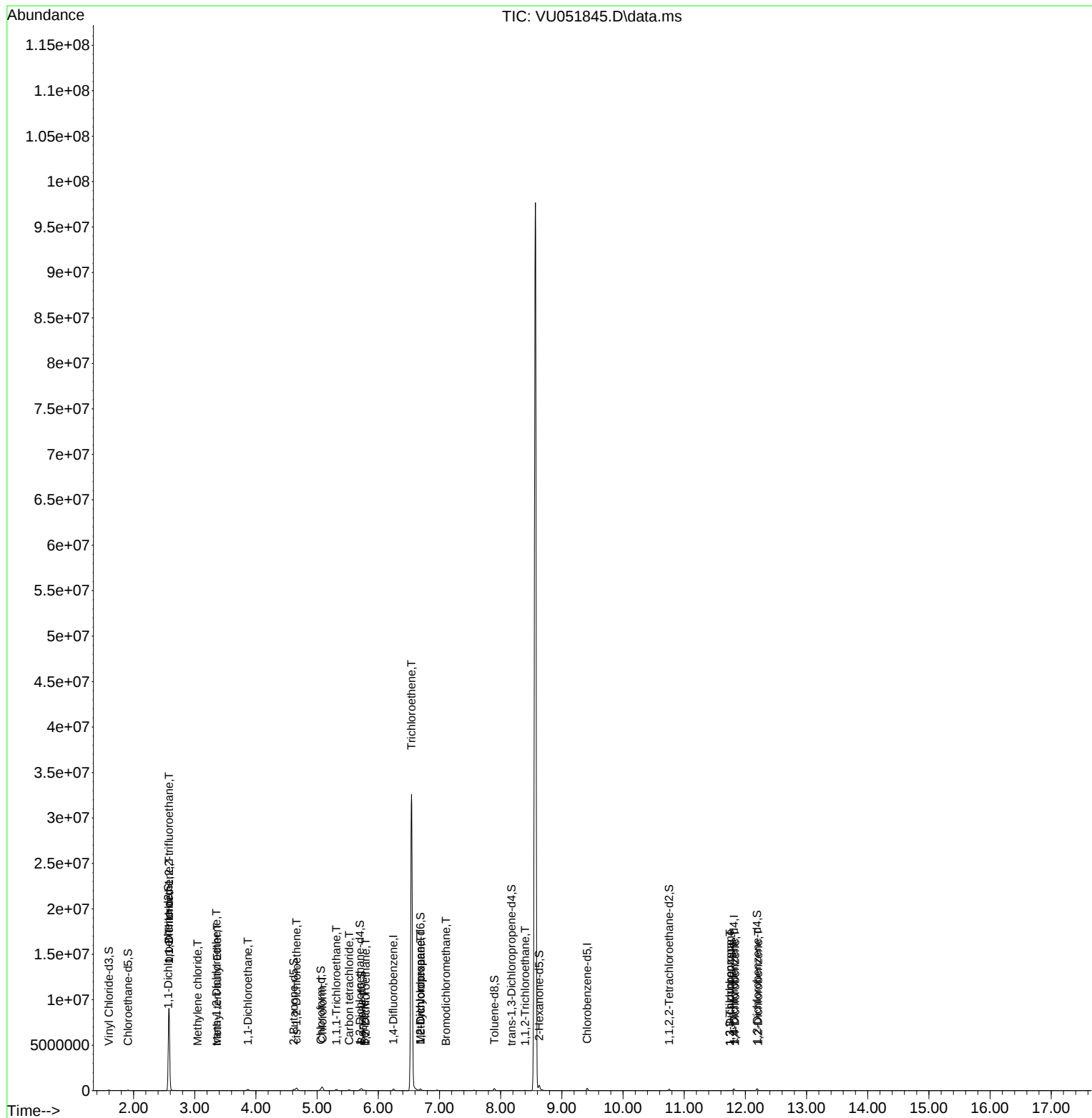
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.832	146	1388	0.071	ug/L	89
67) 1,2-Dichlorobenzene	12.211	146	6568	0.344	ug/L	97

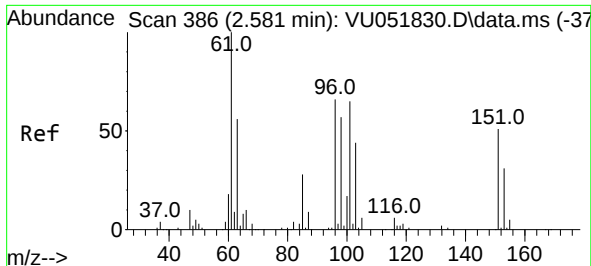
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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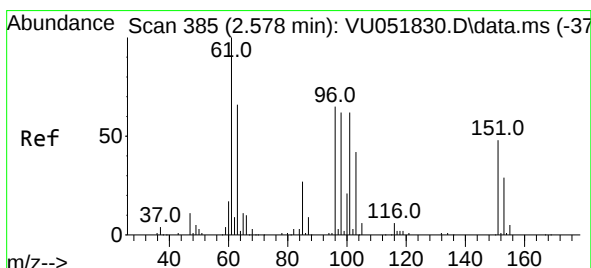
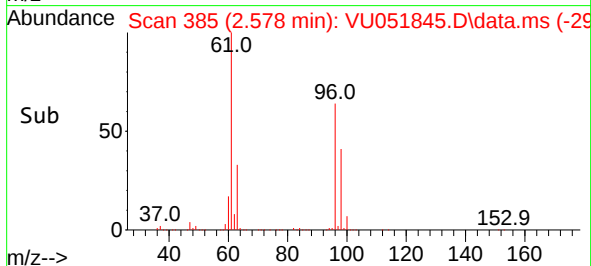
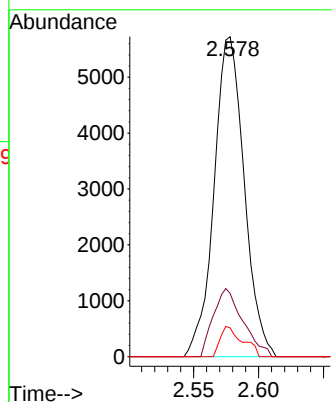
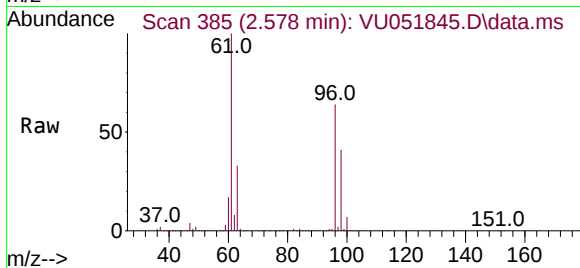




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.731 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

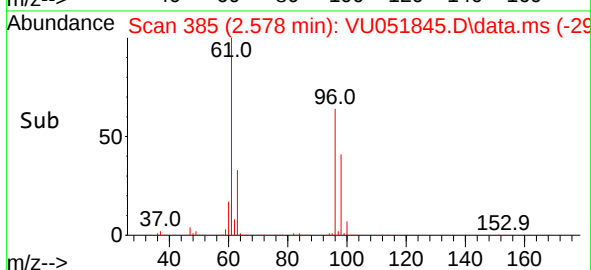
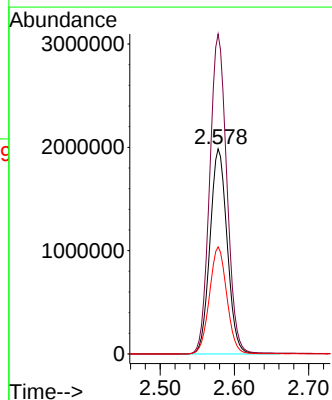
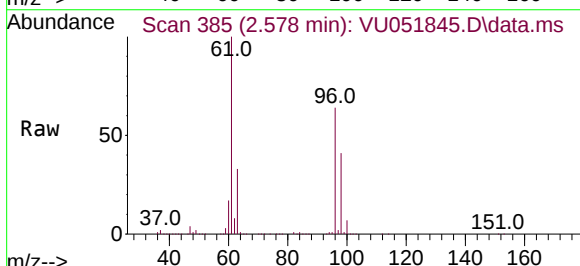
Instrument :
MSVOA_U
ClientSampleId :

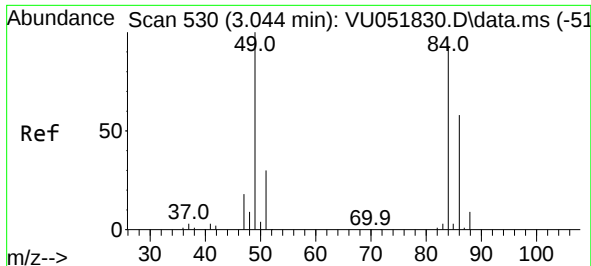
Tgt Ion:101 Resp: 9232
Ion Ratio Lower Upper
101 100
85 20.9 35.6 53.4#
151 6.9 59.6 89.4#



#12
1,1-Dichloroethene
Concen: 247.720 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

Tgt Ion: 96 Resp: 3191008
Ion Ratio Lower Upper
96 100
61 155.9 108.8 202.0
63 52.2 64.9 120.5#

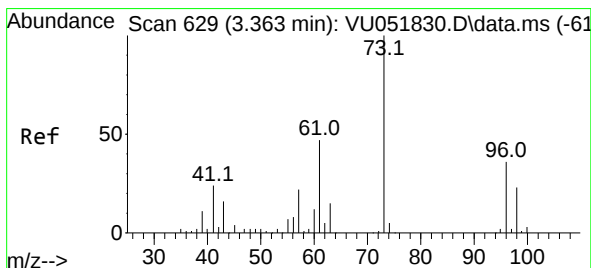
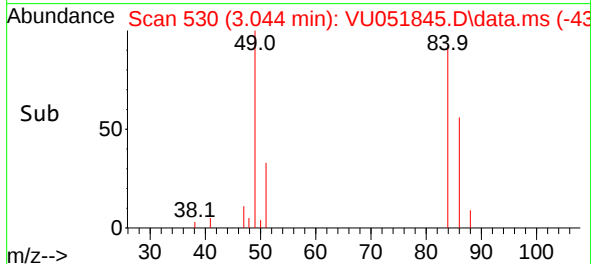
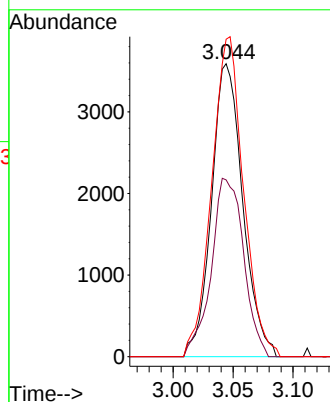
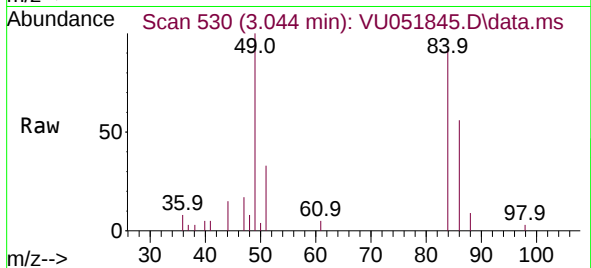




#16
Methylene chloride
Concen: 0.308 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

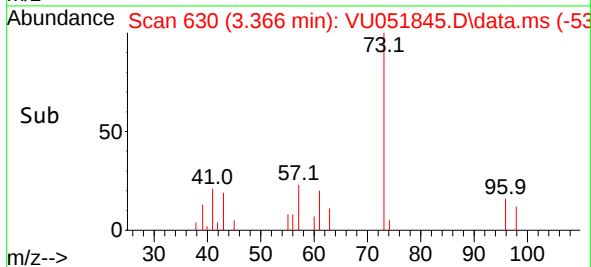
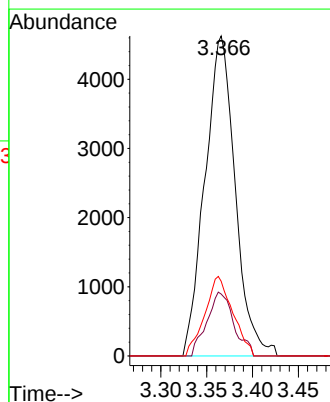
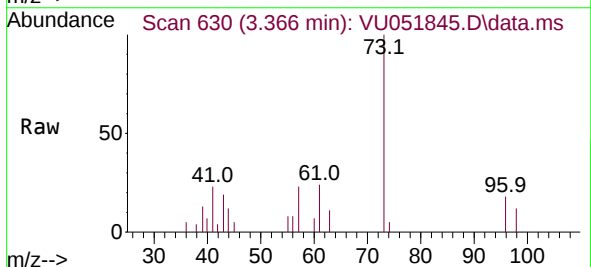
Instrument :
MSVOA_U
ClientSampleId :

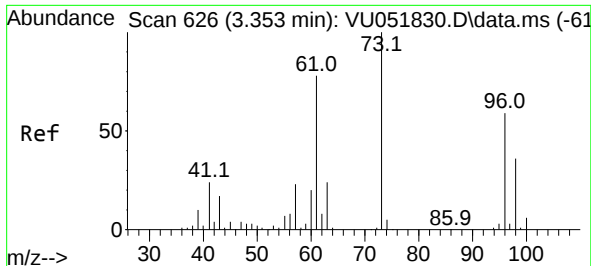
Tgt Ion: 84 Resp: 6507
Ion Ratio Lower Upper
84 100
86 60.3 46.3 85.9
49 108.4 76.0 141.2



#17
Methyl tert-butyl Ether
Concen: 0.359 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

Tgt Ion: 73 Resp: 10615
Ion Ratio Lower Upper
73 100
43 17.7 13.6 20.4
57 22.9 17.5 26.3





#18

trans-1,2-Dichloroethene

Concen: 0.194 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051845.D

Acq: 14 Nov 2022 19:39

Instrument :

MSVOA_U

ClientSampleId :

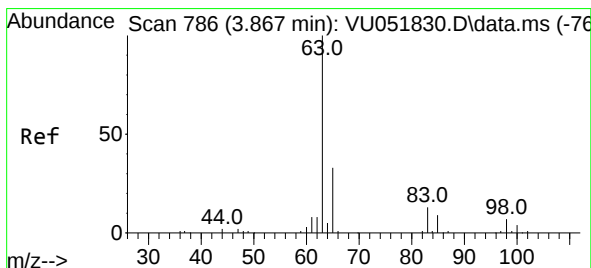
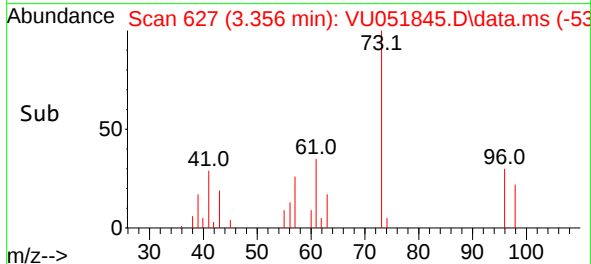
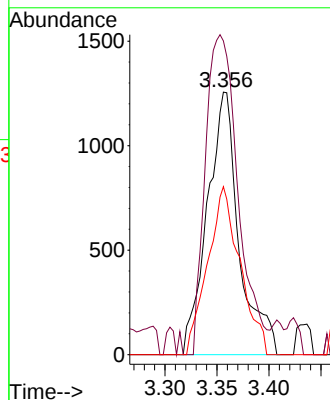
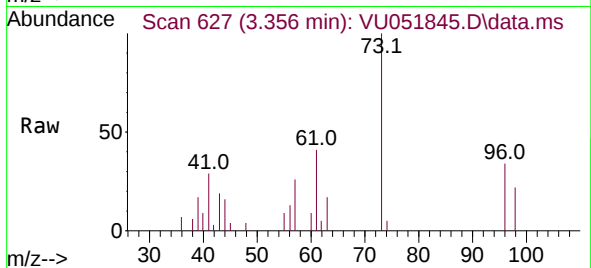
Tgt Ion: 96 Resp: 2678

Ion Ratio Lower Upper

96 100

61 119.5 94.7 175.9

98 64.0 44.2 82.0



#19

1,1-Dichloroethane

Concen: 5.863 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051845.D

Acq: 14 Nov 2022 19:39

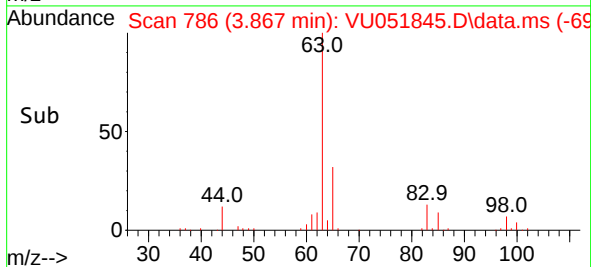
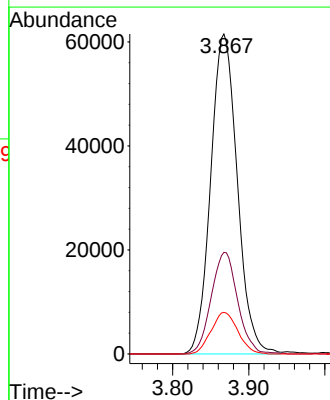
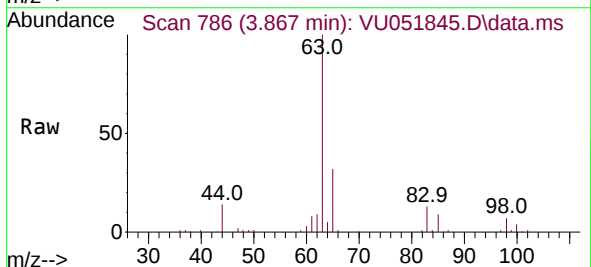
Tgt Ion: 63 Resp: 149513

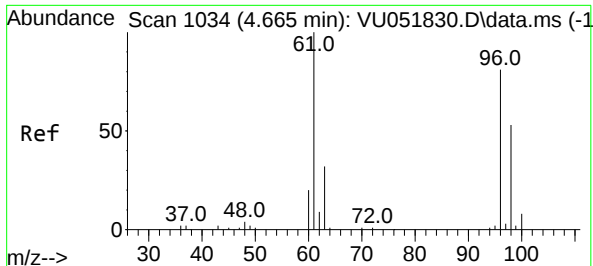
Ion Ratio Lower Upper

63 100

65 31.8 22.7 42.1

83 13.0 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 9.846 ug/L

RT: 4.665 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VU051845.D

Acq: 14 Nov 2022 19:39

Instrument :

MSVOA_U

ClientSampleId :

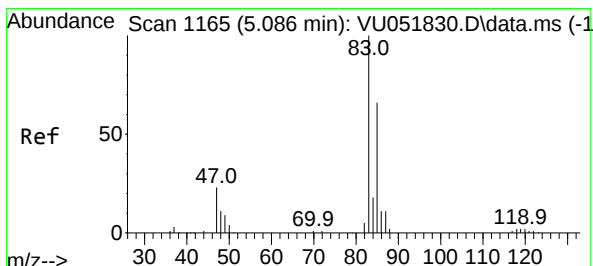
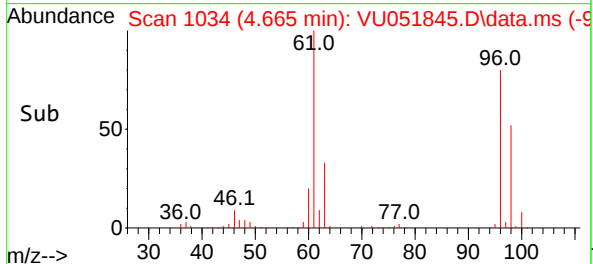
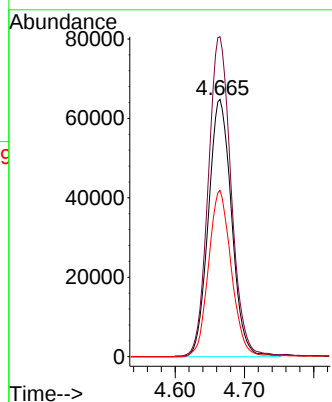
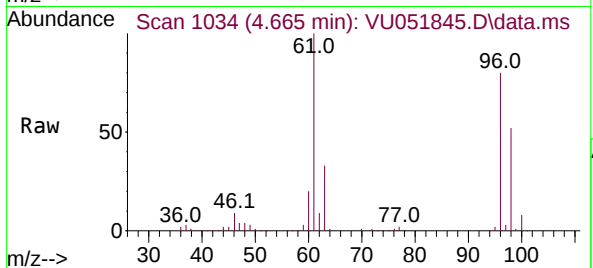
Tgt Ion: 96 Resp: 150611

Ion Ratio Lower Upper

96 100

61 124.4 86.4 160.4

98 64.6 44.2 82.2



#25

Chloroform

Concen: 12.281 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051845.D

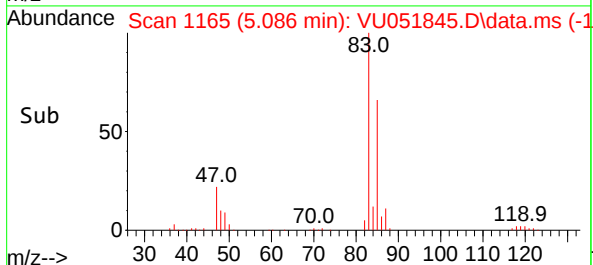
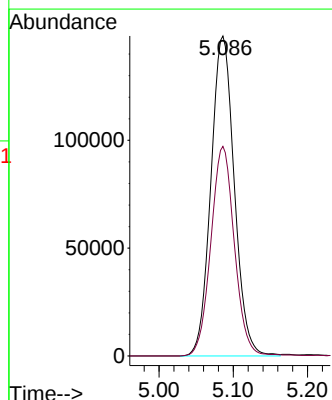
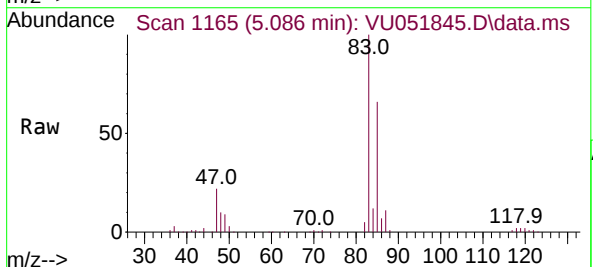
Acq: 14 Nov 2022 19:39

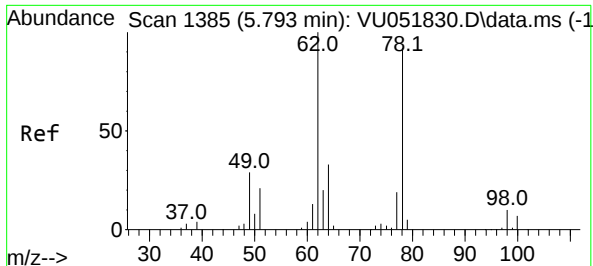
Tgt Ion: 83 Resp: 324876

Ion Ratio Lower Upper

83 100

85 65.5 45.2 84.0

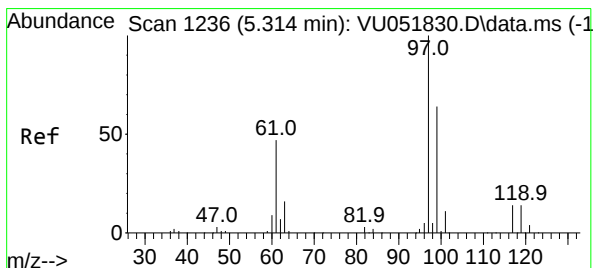
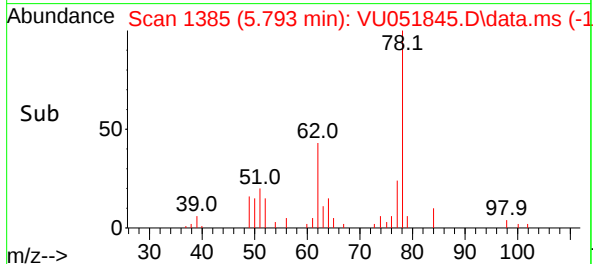
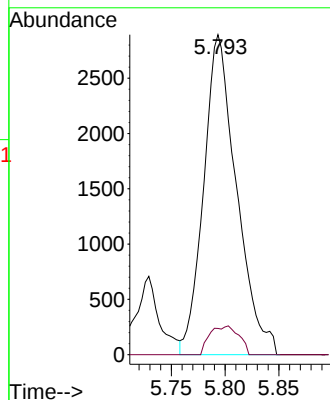
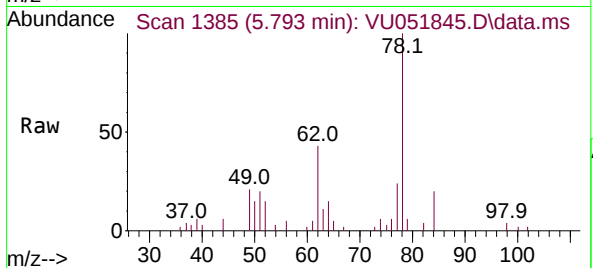




#27
 1,2-Dichloroethane
 Concen: 0.378 ug/L
 RT: 5.793 min Scan# 1385
 Delta R.T. 0.000 min
 Lab File: VU051845.D
 Acq: 14 Nov 2022 19:39

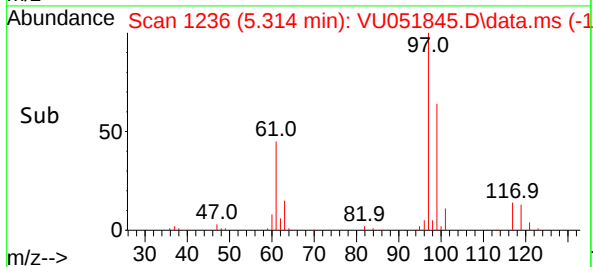
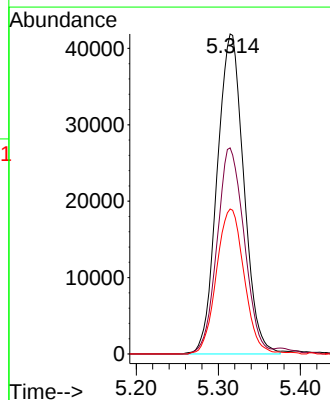
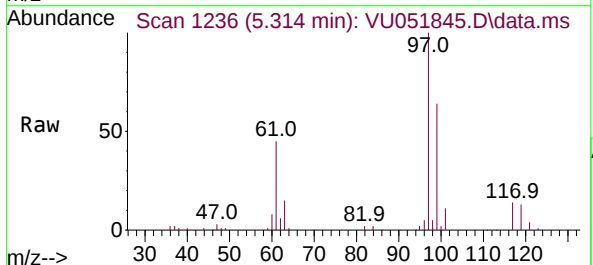
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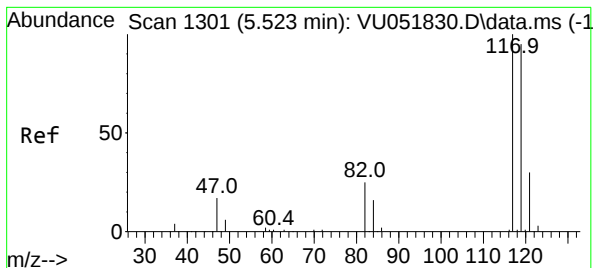
Tgt Ion: 62 Resp: 6152
 Ion Ratio Lower Upper
 62 100
 98 8.2 7.4 11.0



#29
 1,1,1-Trichloroethane
 Concen: 4.682 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. 0.000 min
 Lab File: VU051845.D
 Acq: 14 Nov 2022 19:39

Tgt Ion: 97 Resp: 94678
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.1 76.7
 61 47.0 37.4 56.0





#31

Carbon tetrachloride

Concen: 3.599 ug/L

RT: 5.523 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU051845.D

Acq: 14 Nov 2022 19:39

Instrument :

MSVOA_U

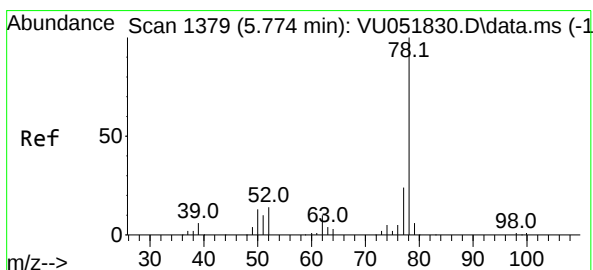
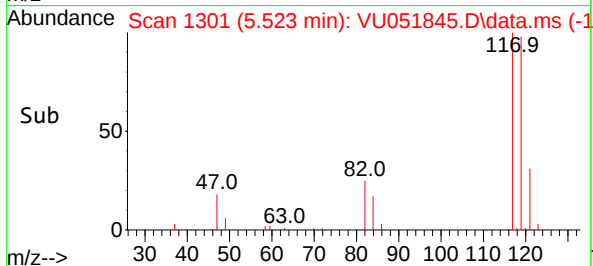
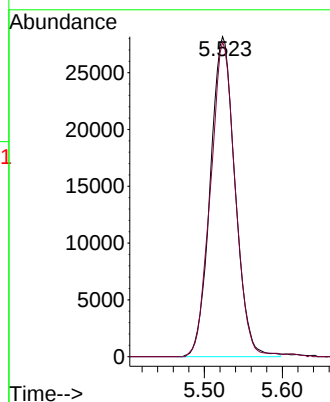
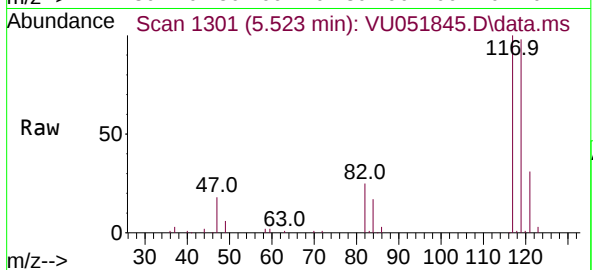
ClientSampleId :

Tgt Ion:117 Resp: 62236

Ion Ratio Lower Upper

117 100

119 98.0 77.5 116.3



#33

Benzene

Concen: 0.642 ug/L

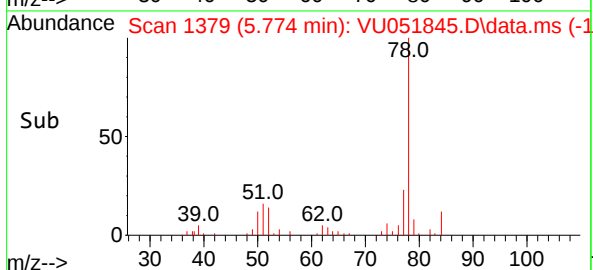
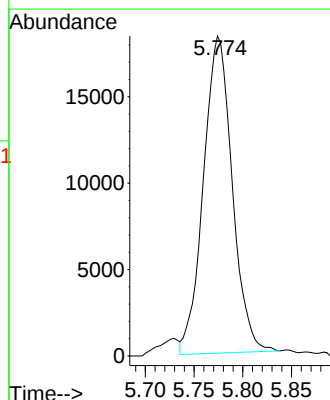
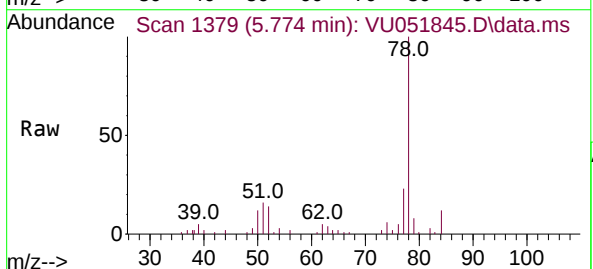
RT: 5.774 min Scan# 1379

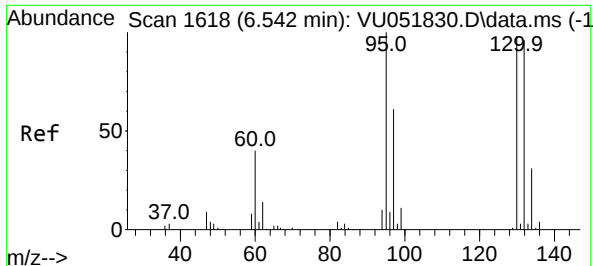
Delta R.T. 0.000 min

Lab File: VU051845.D

Acq: 14 Nov 2022 19:39

Tgt Ion: 78 Resp: 37721

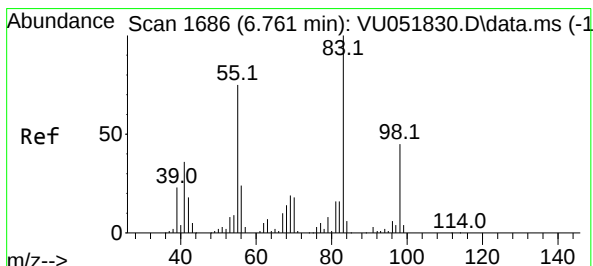
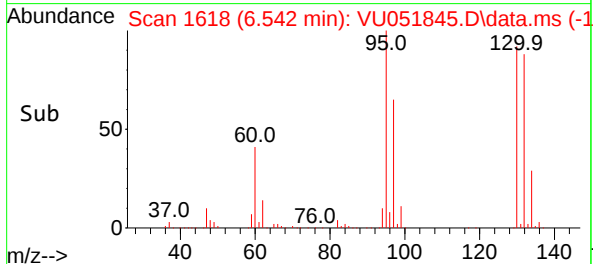
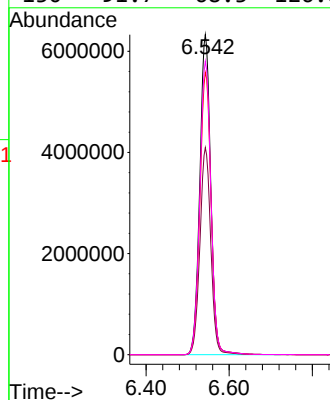
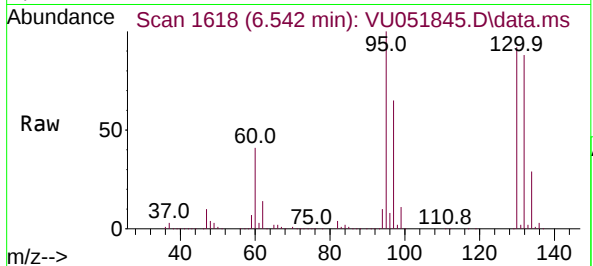




#34
Trichloroethene
Concen: 818.565 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

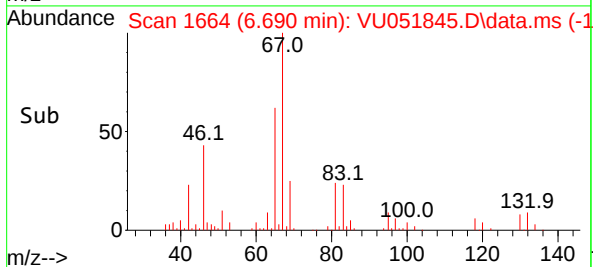
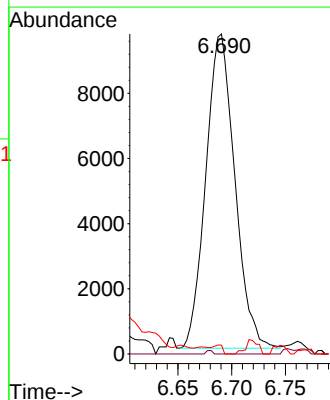
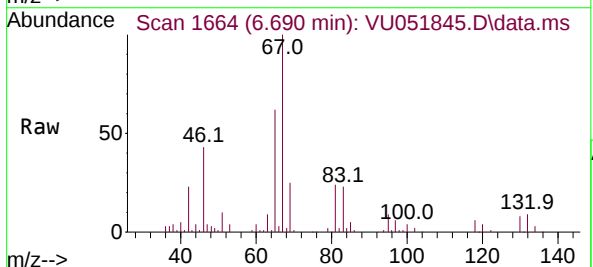
Instrument :
MSVOA_U
ClientSampleId :

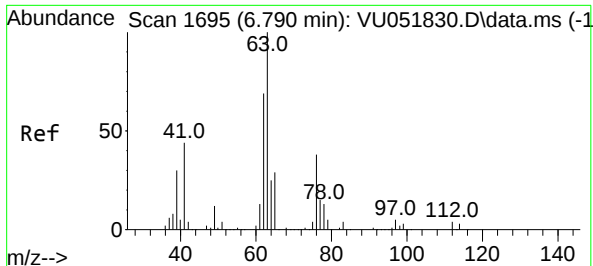
Tgt Ion: 95 Resp:11609808
Ion Ratio Lower Upper
95 100
97 64.7 45.2 84.0
132 88.1 66.5 123.5
130 91.7 68.3 126.8



#35
Methylcyclohexane
Concen: 0.923 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

Tgt Ion: 83 Resp: 18099
Ion Ratio Lower Upper
83 100
55 0.2 60.6 90.8#
98 0.0 35.8 53.6#





#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU051845.D

Acq: 14 Nov 2022 19:39

Instrument :

MSVOA_U

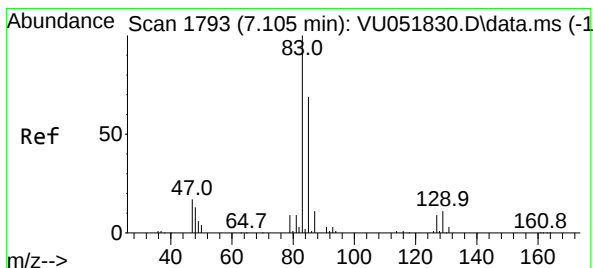
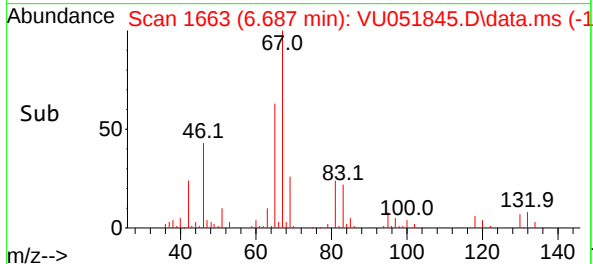
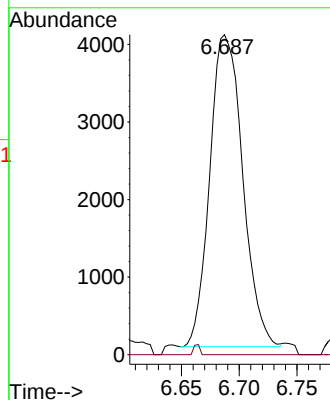
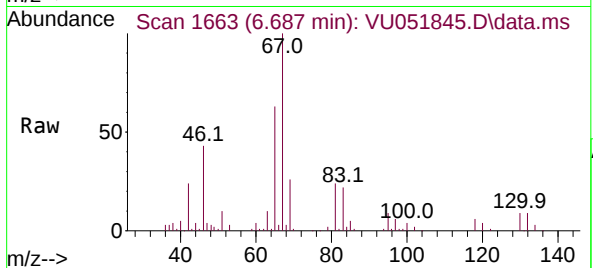
ClientSampleId :

Tgt Ion: 63 Resp: 7985

Ion Ratio Lower Upper

63 100

112 0.6 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.092 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051845.D

Acq: 14 Nov 2022 19:39

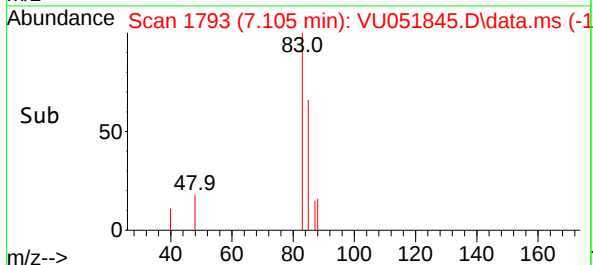
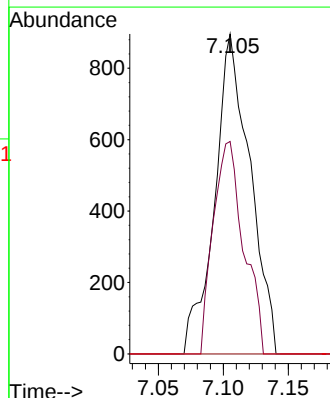
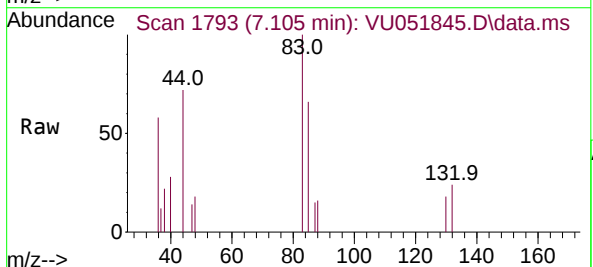
Tgt Ion: 83 Resp: 1694

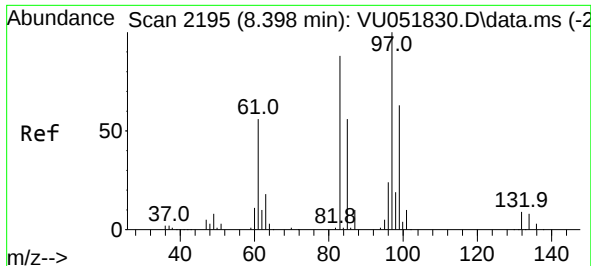
Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.7

127 0.0 6.6 9.8#

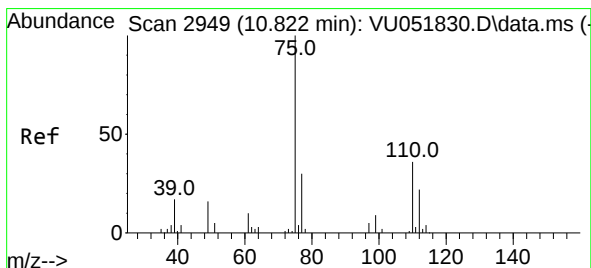
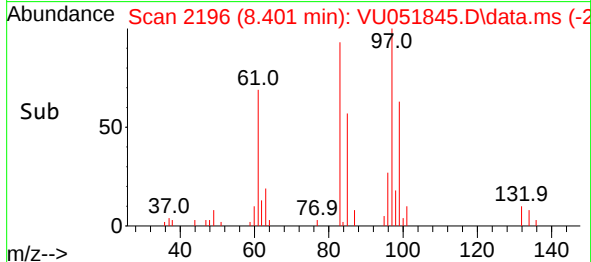
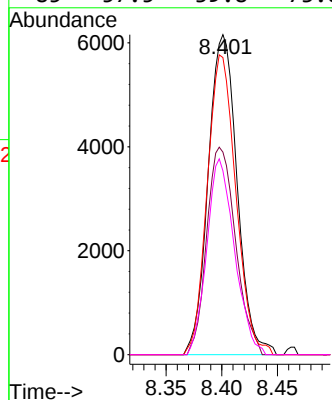
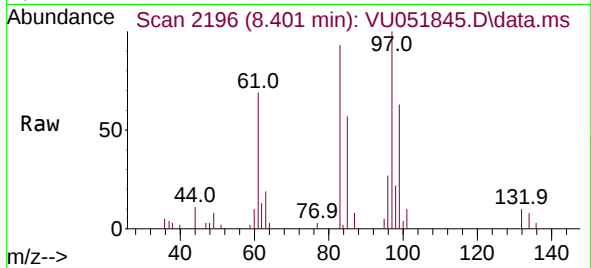




#45
 1,1,2-Trichloroethane
 Concen: 1.005 ug/L
 RT: 8.401 min Scan# 2196
 Delta R.T. 0.003 min
 Lab File: VU051845.D
 Acq: 14 Nov 2022 19:39

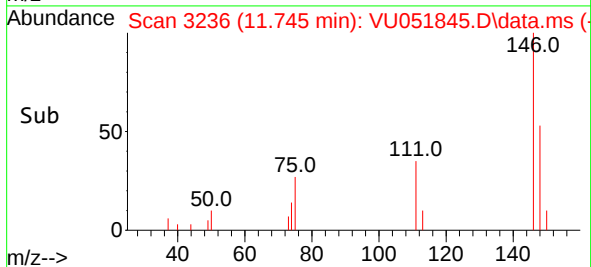
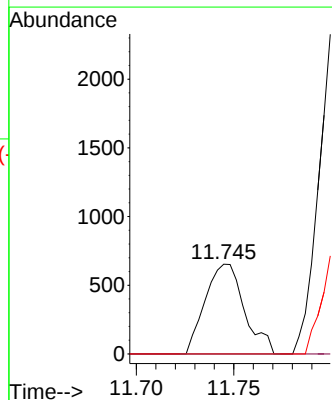
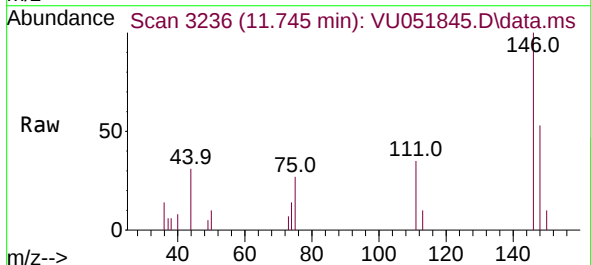
Instrument :
 MSVOA_U
 ClientSampleId :

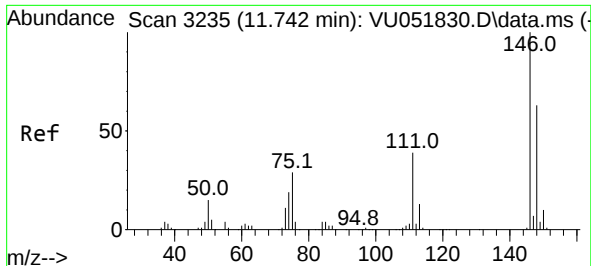
Tgt Ion: 97	Resp: 11132
Ion Ratio	Lower Upper
97 100	
99 63.3	43.4 80.6
83 92.8	61.3 113.9
85 57.5	39.8 73.8



#61
 1,2,3-Trichloropropane
 Concen: 0.131 ug/L
 RT: 11.745 min Scan# 3236
 Delta R.T. 0.923 min
 Lab File: VU051845.D
 Acq: 14 Nov 2022 19:39

Tgt Ion: 75	Resp: 915
Ion Ratio	Lower Upper
75 100	
110 0.0	28.7 43.1#
77 0.0	26.1 39.1#

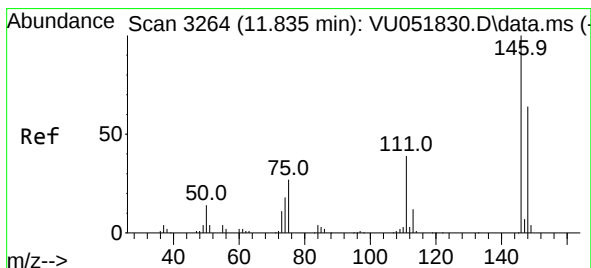
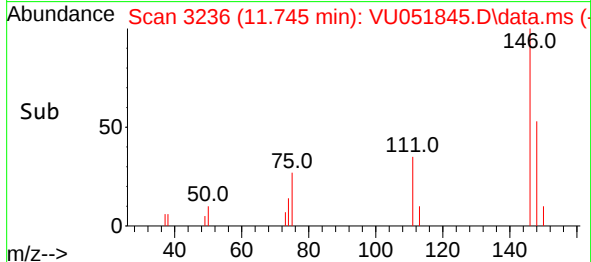
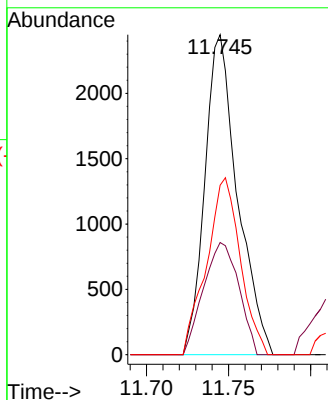
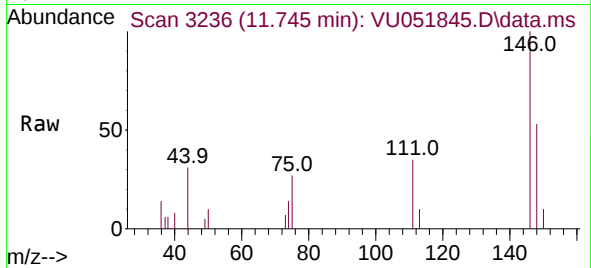




#64
1,3-Dichlorobenzene
Concen: 0.172 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

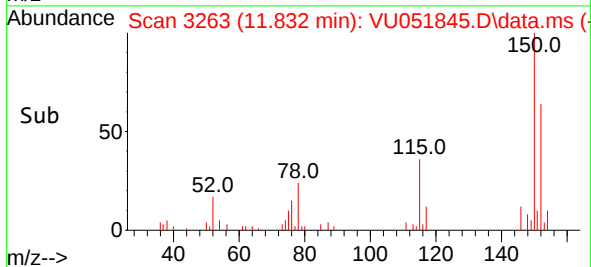
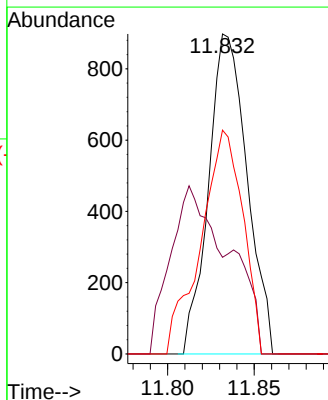
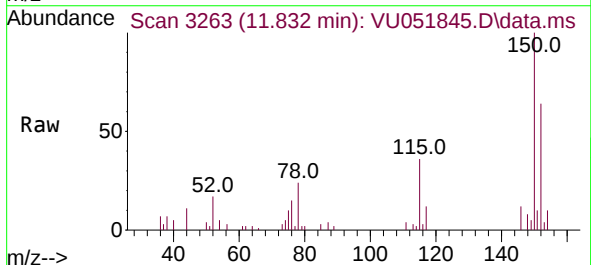
Instrument :
MSVOA_U
ClientSampleId :

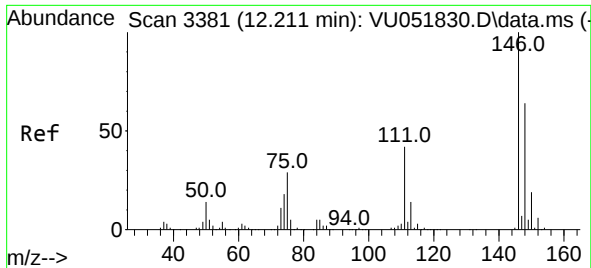
Tgt Ion:146 Resp: 3384
Ion Ratio Lower Upper
146 100
111 35.1 28.6 53.2
148 53.0 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 0.071 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU051845.D
Acq: 14 Nov 2022 19:39

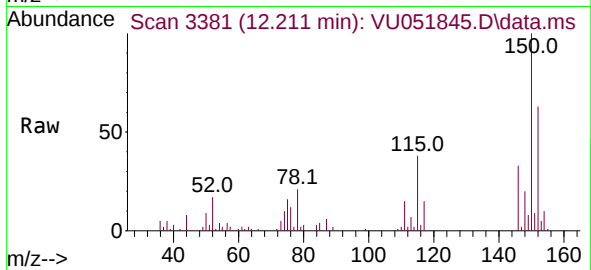
Tgt Ion:146 Resp: 1388
Ion Ratio Lower Upper
146 100
111 30.2 26.7 49.5
148 69.9 43.5 80.9





#67
 1,2-Dichlorobenzene
 Concen: 0.344 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU051845.D
 Acq: 14 Nov 2022 19:39

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	146	Resp:	6568
Ion	Ratio	Lower	Upper
146	100		
111	46.3	34.2	51.2
148	61.9	50.1	75.1

