

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051721\
 Data File : VU043792.D
 Acq On : 17 May 2021 15:00
 Operator : SY/MD
 Sample : M2396-01DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 03:11:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 15 00:49:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	232961	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	233537	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	111273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.600	65	78890	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.919	69	58308	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.571	65	33825	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	4.642	46	147403	45.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.26%
24) Chloroform-d	5.073	84	136201	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.710	65	69668	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.735	84	292566	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.700	67	90856	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.906	98	256847	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloroprop...	8.185	79	33004	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.642	63	152907	48.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.76%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	71478	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
66) 1,2-Dichlorobenzene-d4	12.201	152	94377	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

						Qvalue
6) Bromomethane	1.864	94	5187	0.44	ug/L	95
12) 1,1-Dichloroethene	2.584	96	8915	0.58	ug/L	# 1
13) Acetone	2.652	43	26828	12.94	ug/L	64
14) Carbon disulfide	2.800	76	93444	1.82	ug/L	100
15) Methyl Acetate	2.964	43	63037	10.22	ug/L	97
16) Methylene chloride	3.054	84	55692	2.44	ug/L	97
17) Methyl tert-butyl Ether	3.372	73	106908	3.07	ug/L	98
21) 2-Butanone	4.726	43	22602	5.70	ug/L	95
22) cis-1,2-Dichloroethene	4.677	96	29028	1.71	ug/L	96
27) 1,2-Dichloroethane	5.803	62	26899	1.51	ug/L	98
30) Cyclohexane	5.398	56	62526	2.31	ug/L	97
33) Benzene	5.784	78	92548	1.37	ug/L	100
34) Trichloroethene	6.549	95	15284	0.88	ug/L	96
35) Methylcyclohexane	6.771	83	109853	4.08	ug/L	99
37) 1,2-Dichloropropane	6.767	63	1444	0.08	ug/L	# 88
39) cis-1,3-Dichloropropene	7.574	75	2013	0.09	ug/L	# 40
40) 4-Methyl-2-pentanone	7.803	43	74351	6.60	ug/L	100
42) Toluene	7.976	91	293126	4.13	ug/L	99
47) Tetrachloroethene	8.558	164	15839	1.13	ug/L	99

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

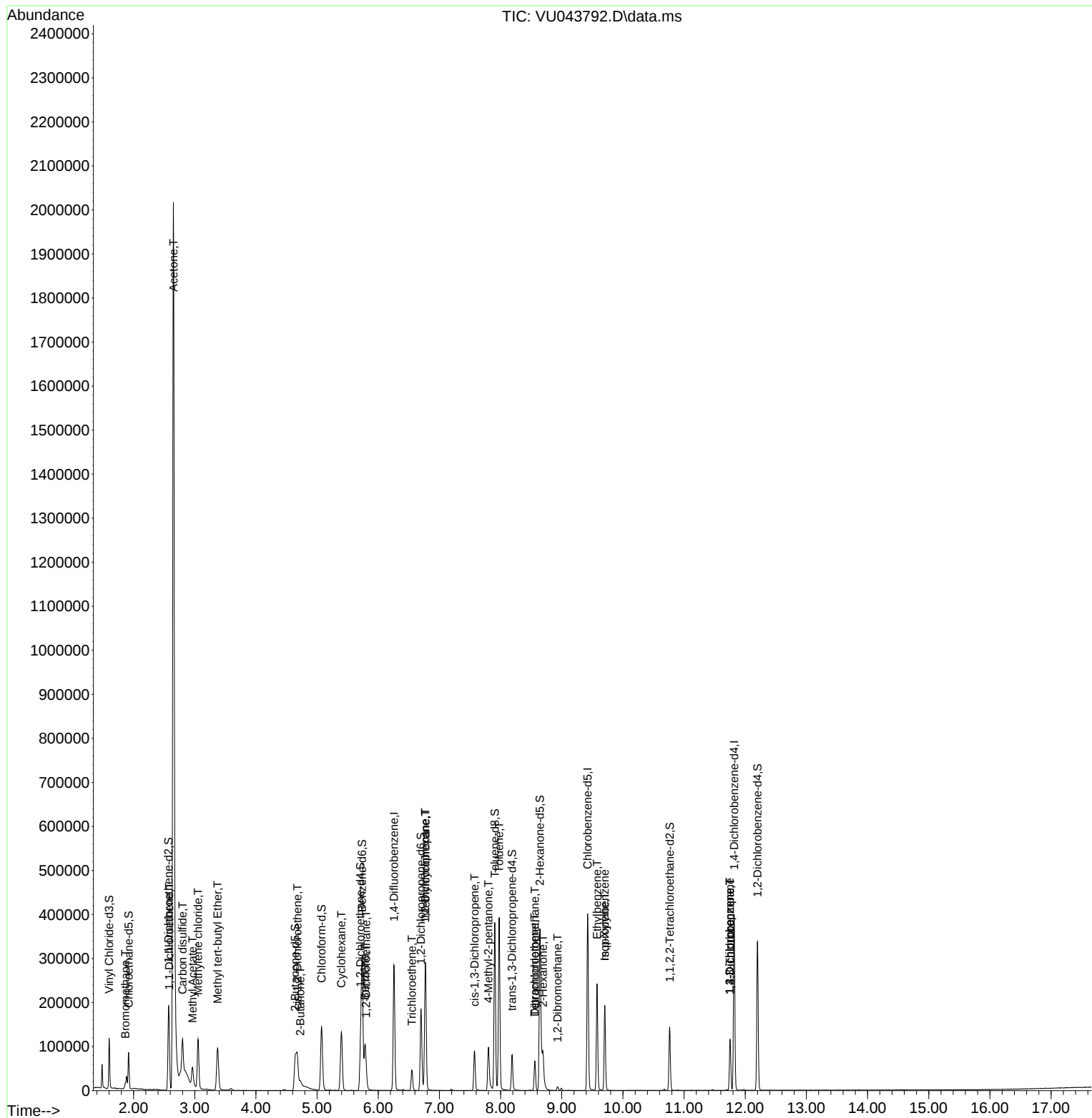
48) 2-Hexanone	8.693	43	45956	5.50	ug/L	98
49) Dibromochloromethane	8.562	129	14502	1.02	ug/L #	11
50) 1,2-Dibromoethane	8.931	107	6439	0.54	ug/L #	95
52) Ethylbenzene	9.578	91	165963	2.29	ug/L	100
53) m,p-Xylene	9.703	106	54442	1.97	ug/L	95
60) Isopropylbenzene	9.703	105	26959	0.44	ug/L #	31
61) 1,2,3-Trichloropropane	11.751	75	13801	1.30	ug/L #	50
64) 1,3-Dichlorobenzene	11.751	146	50703	1.61	ug/L	99
65) 1,4-Dichlorobenzene	11.751	146	50703	1.60	ug/L	97

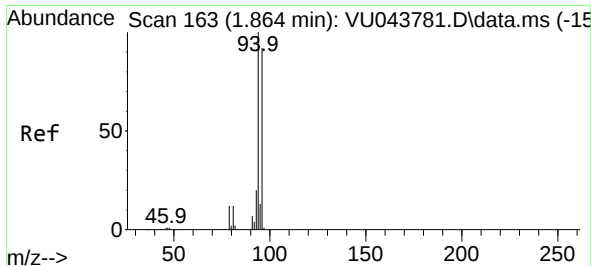
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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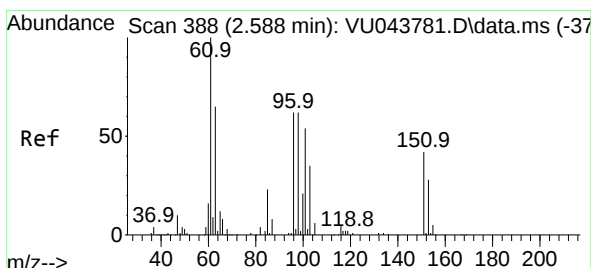
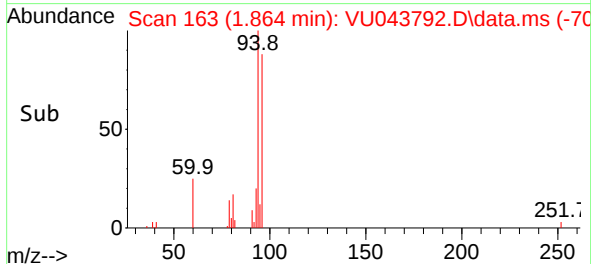
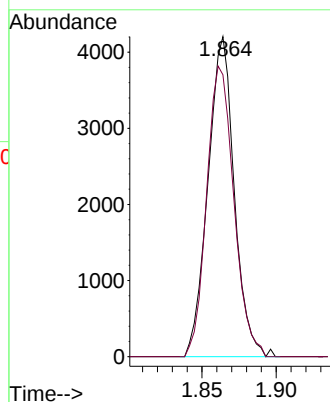
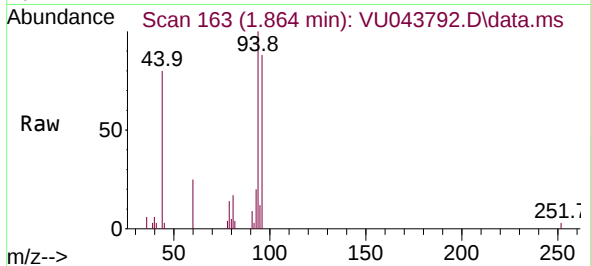




#6
Bromomethane
Concen: 0.44 ug/L
RT: 1.864 min Scan# 163
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

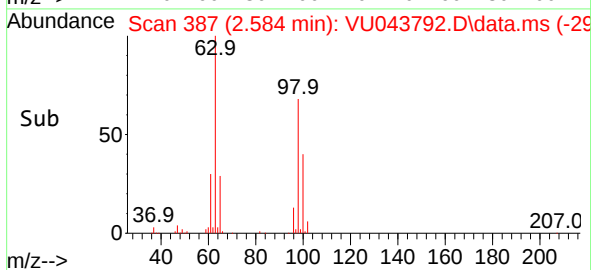
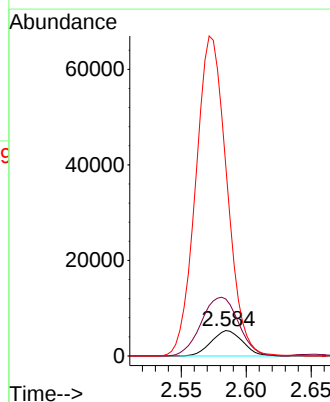
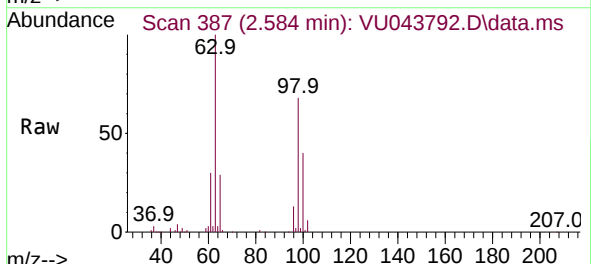
Instrument :
MSVOA_U
ClientSampled :

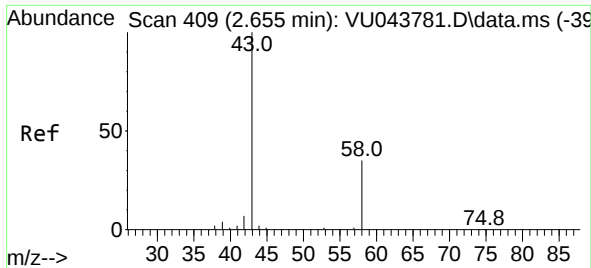
Tgt Ion: 94 Resp: 5187
Ion Ratio Lower Upper
94 100
96 88.1 65.0 120.8



#12
1,1-Dichloroethene
Concen: 0.58 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 96 Resp: 8915
Ion Ratio Lower Upper
96 100
61 224.4 117.5 218.1#
63 747.9 77.3 143.7#

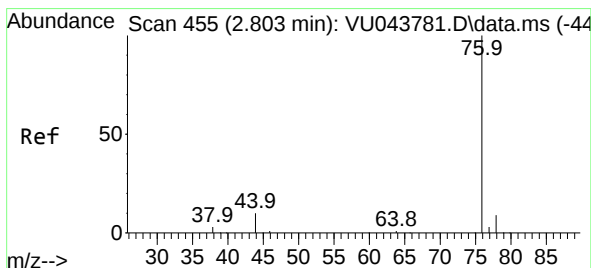
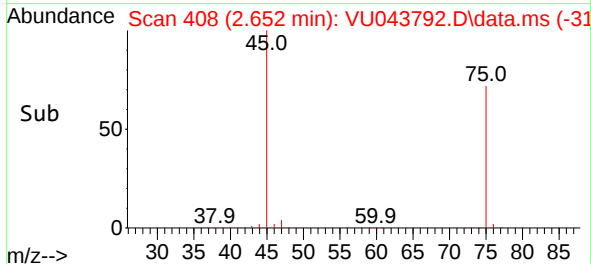
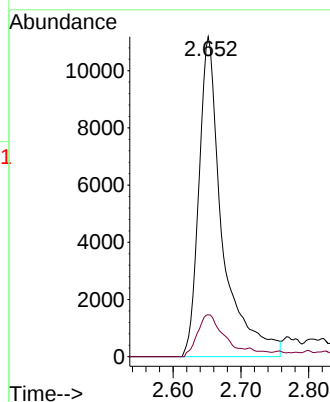
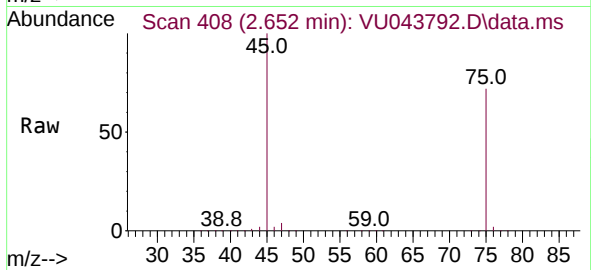




#13
Acetone
Concen: 12.94 ug/L
RT: 2.652 min Scan# 408
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

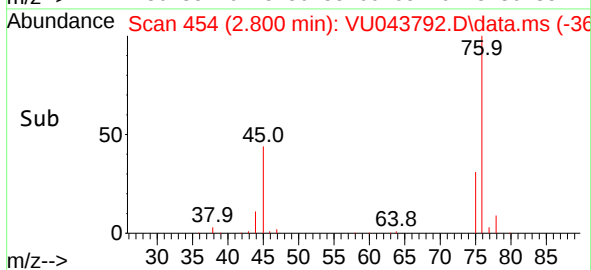
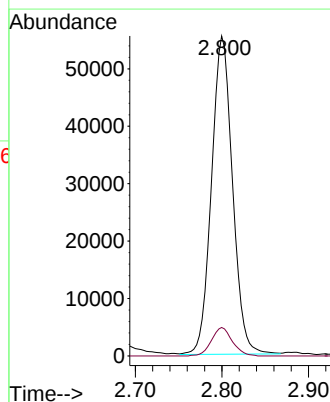
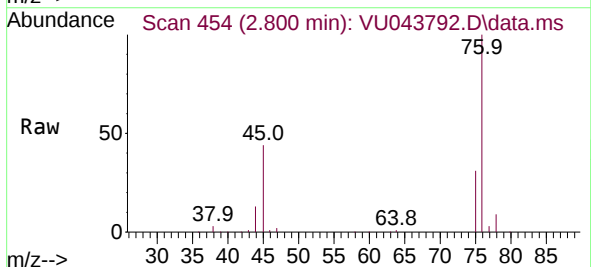
Instrument :
MSVOA_U
ClientSampled :

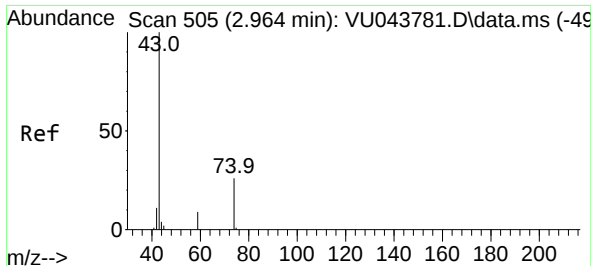
Tgt Ion: 43 Resp: 26828
Ion Ratio Lower Upper
43 100
58 14.8 0.0 71.6



#14
Carbon disulfide
Concen: 1.82 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 76 Resp: 93444
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

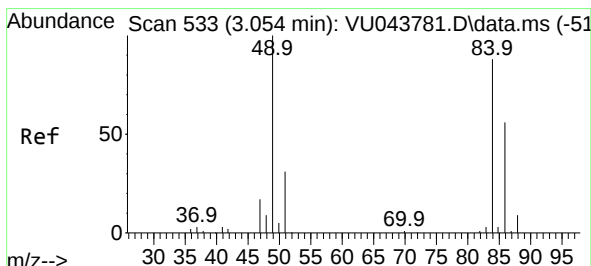
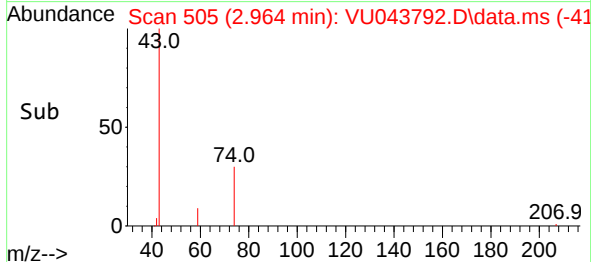
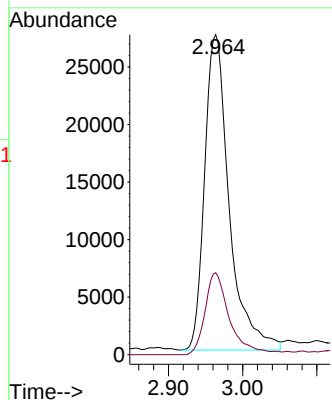
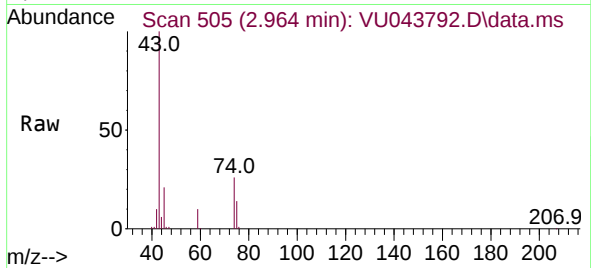




#15
Methyl Acetate
Concen: 10.22 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

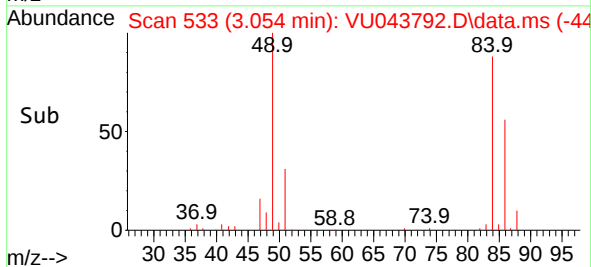
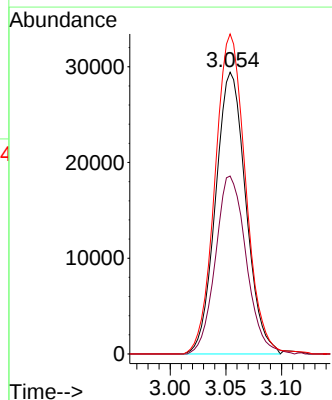
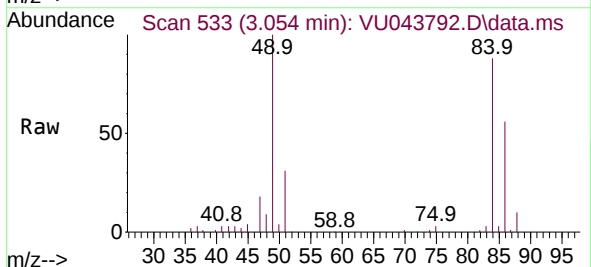
Instrument :
MSVOA_U
ClientSampled :

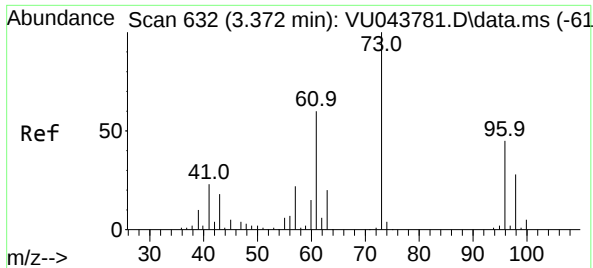
Tgt Ion: 43 Resp: 63037
Ion Ratio Lower Upper
43 100
74 25.6 19.3 28.9



#16
Methylene chloride
Concen: 2.44 ug/L
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 84 Resp: 55692
Ion Ratio Lower Upper
84 100
86 63.2 44.7 82.9
49 113.6 83.1 154.3



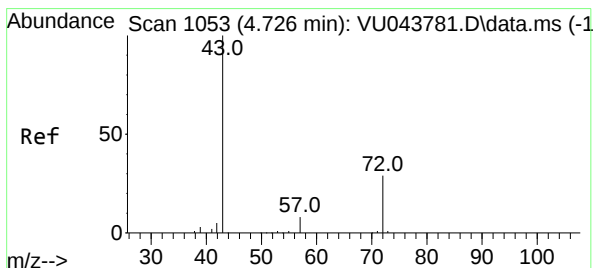
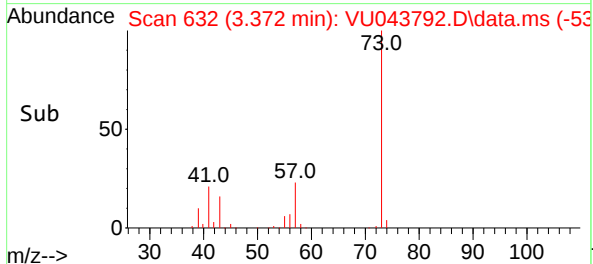
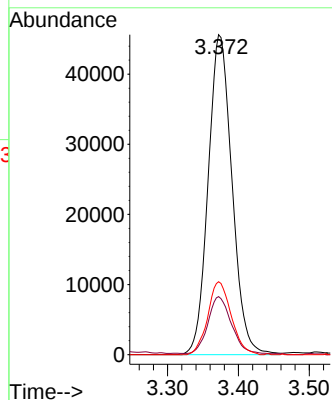
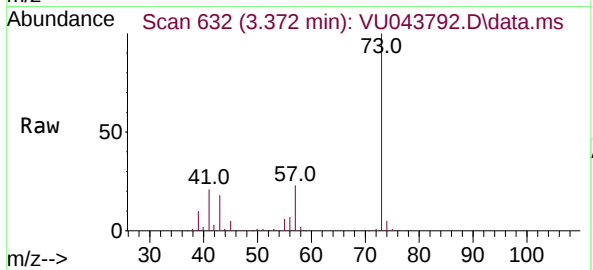


#17

Methyl tert-butyl Ether
 Concen: 3.07 ug/L
 RT: 3.372 min Scan# 632
 Delta R.T. -0.000 min
 Lab File: VU043792.D
 Acq: 17 May 2021 15:00

Instrument :
 MSVOA_U
 ClientSampled :

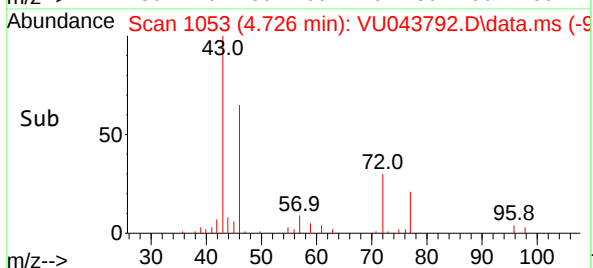
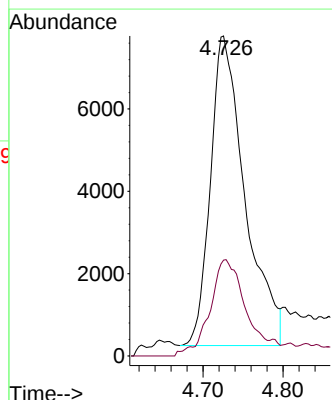
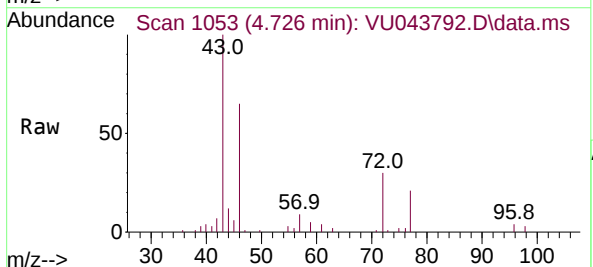
Tgt Ion: 73	Resp: 106908
Ion Ratio	Lower Upper
73 100	
43 17.5	15.0 22.4
57 22.4	18.6 27.8

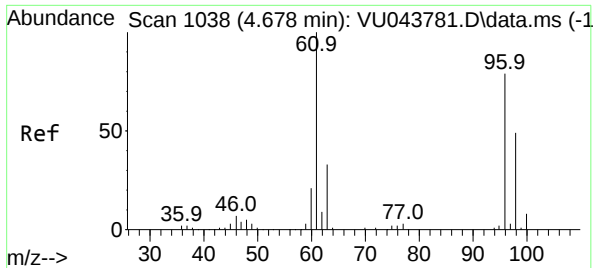


#21

2-Butanone
 Concen: 5.70 ug/L
 RT: 4.726 min Scan# 1053
 Delta R.T. 0.003 min
 Lab File: VU043792.D
 Acq: 17 May 2021 15:00

Tgt Ion: 43	Resp: 22602
Ion Ratio	Lower Upper
43 100	
72 31.7	14.5 43.6





#22

cis-1,2-Dichloroethene

Concen: 1.71 ug/L

RT: 4.677 min Scan# 1038

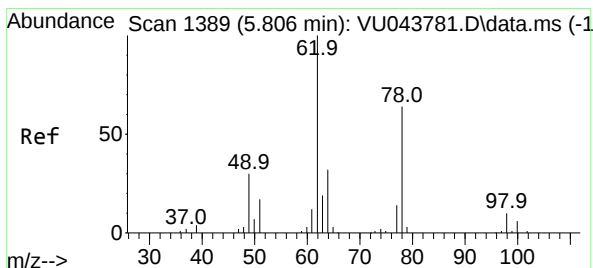
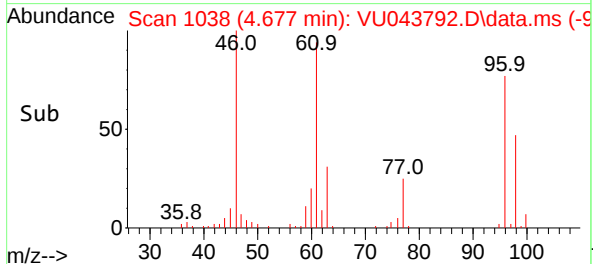
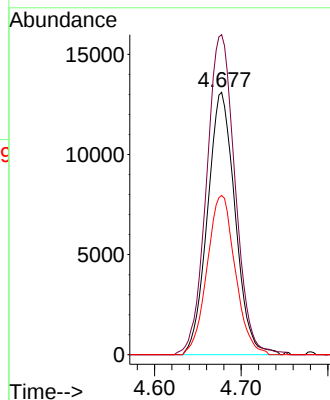
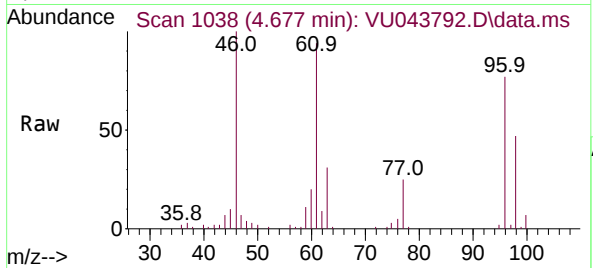
Delta R.T. -0.000 min

Lab File: VU043792.D

Acq: 17 May 2021 15:00

Tgt Ion:	96	Resp:	29028
Ion	Ratio	Lower	Upper
96	100		
61	122.0	89.0	165.4
98	60.7	44.9	83.3

Instrument :
MSVOA_U
ClientSampled :



#27

1,2-Dichloroethane

Concen: 1.51 ug/L

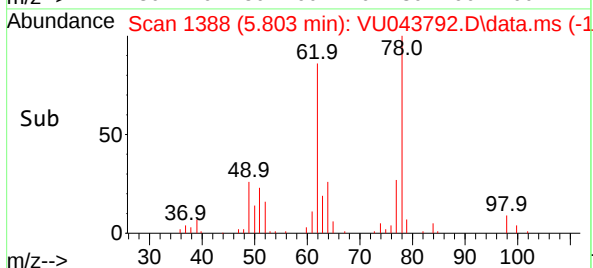
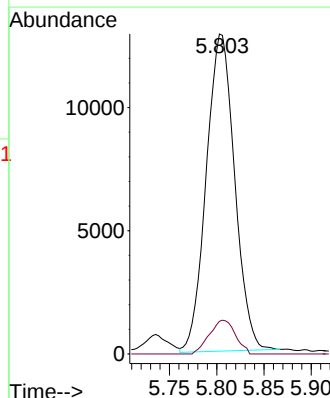
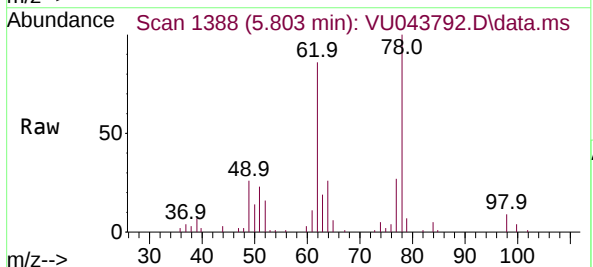
RT: 5.803 min Scan# 1388

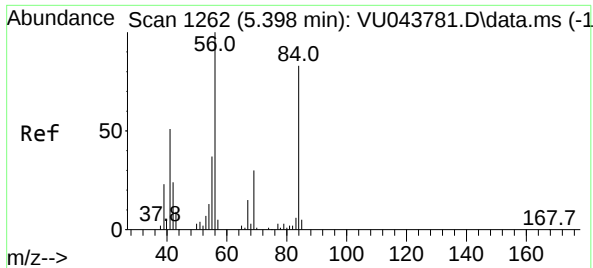
Delta R.T. -0.000 min

Lab File: VU043792.D

Acq: 17 May 2021 15:00

Tgt Ion:	62	Resp:	26899
Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.7	11.5





#30

Cyclohexane

Concen: 2.31 ug/L

RT: 5.398 min Scan# 1262

Delta R.T. -0.000 min

Lab File: VU043792.D

Acq: 17 May 2021 15:00

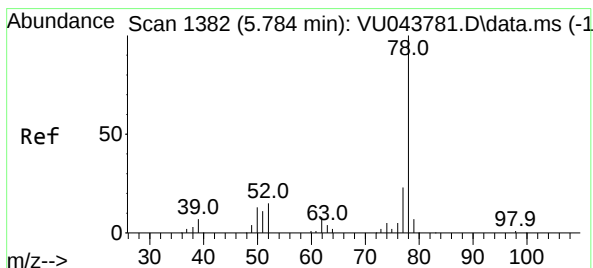
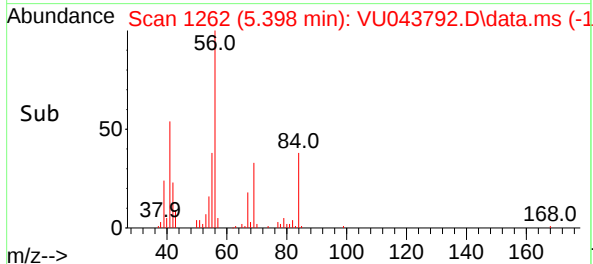
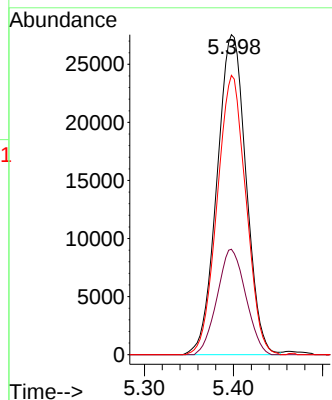
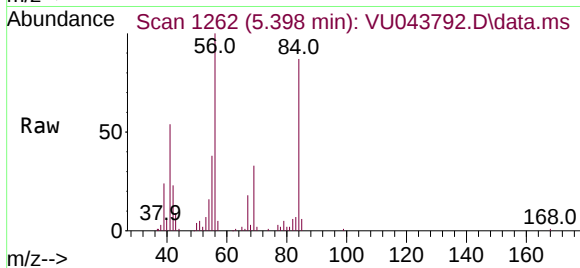
Tgt Ion: 56 Resp: 62526

Ion Ratio Lower Upper

56 100

69 32.3 24.8 37.2

84 86.1 66.8 100.2



#33

Benzene

Concen: 1.37 ug/L

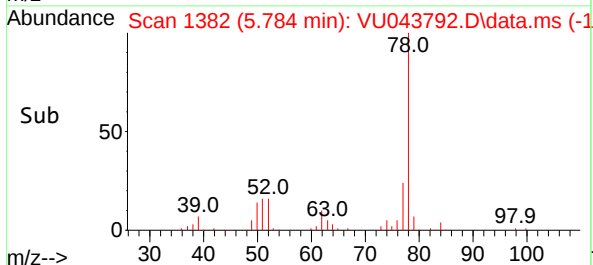
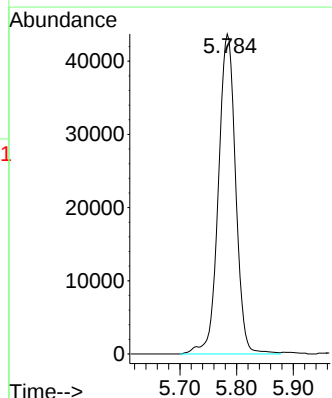
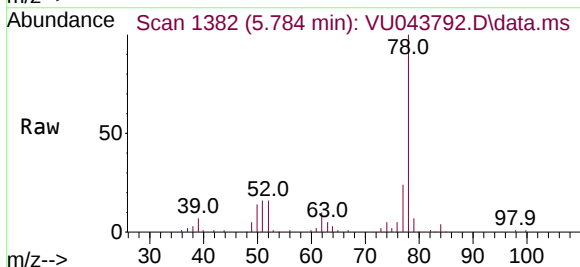
RT: 5.784 min Scan# 1382

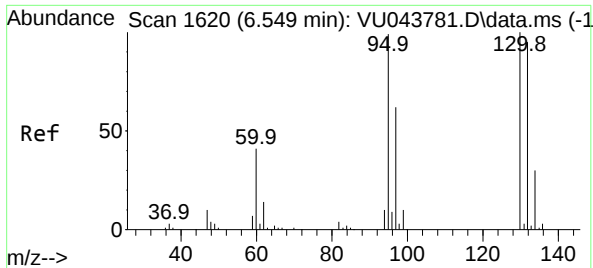
Delta R.T. -0.000 min

Lab File: VU043792.D

Acq: 17 May 2021 15:00

Tgt Ion: 78 Resp: 92548



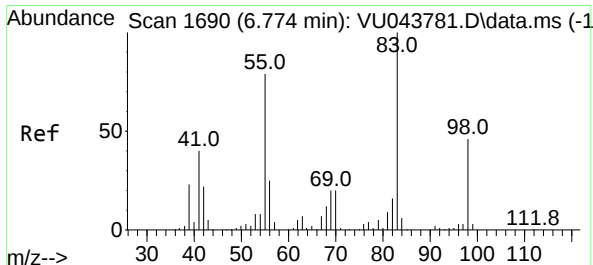
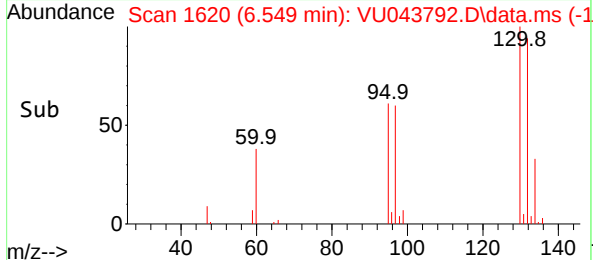
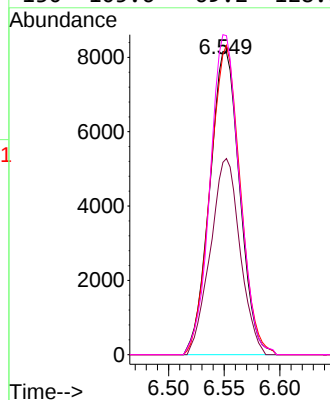
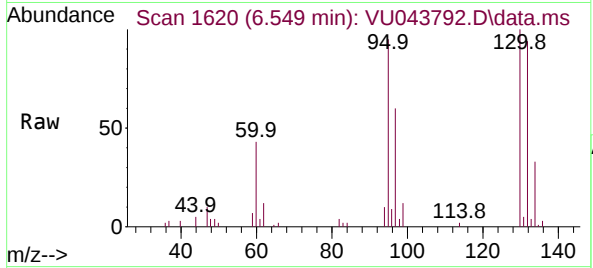


#34
Trichloroethene
Concen: 0.88 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 15284

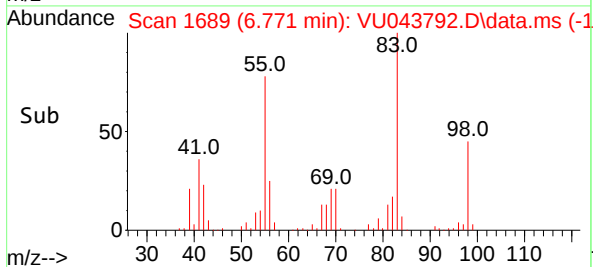
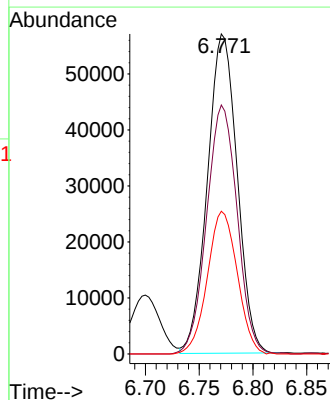
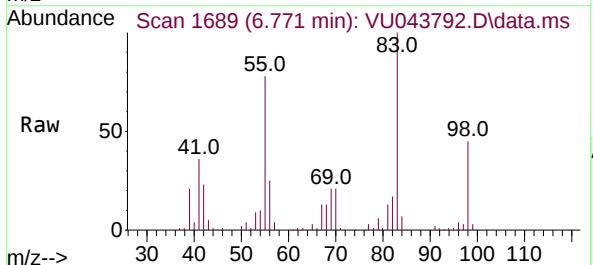
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.3	82.3
132	99.1	66.0	122.6
130	105.6	69.2	128.6

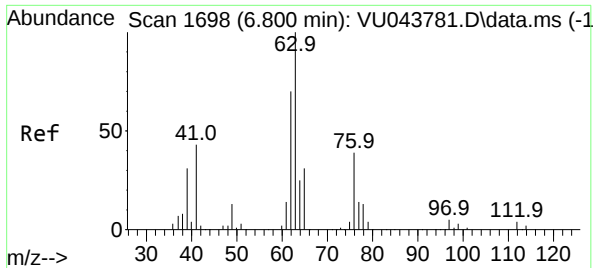


#35
Methylcyclohexane
Concen: 4.08 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 83 Resp: 109853

Ion	Ratio	Lower	Upper
83	100		
55	79.9	64.8	97.2
98	44.9	35.9	53.9



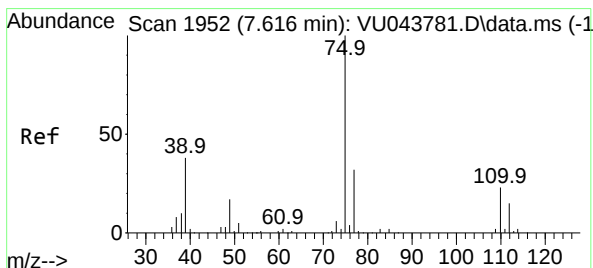
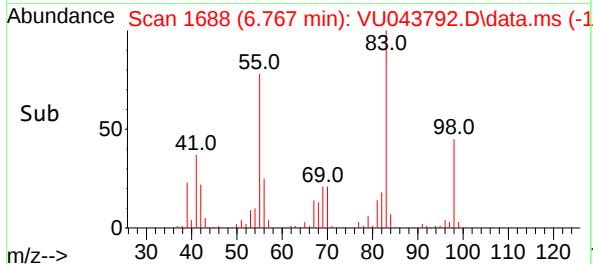
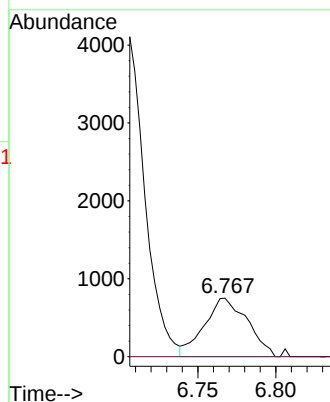
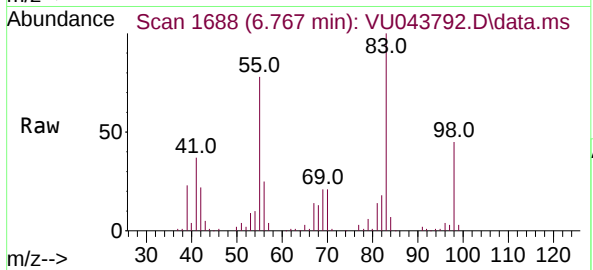


#37

1,2-Dichloropropane
Concen: 0.08 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.032 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Instrument :
MSVOA_U
ClientSampled :

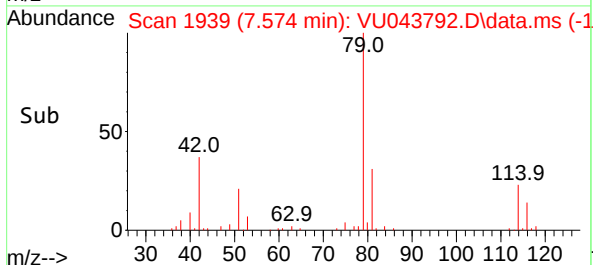
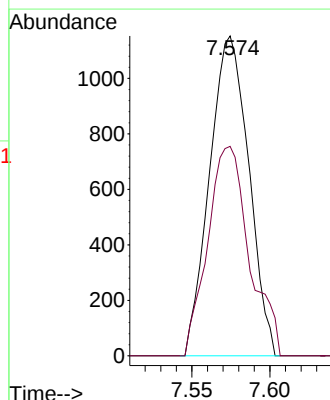
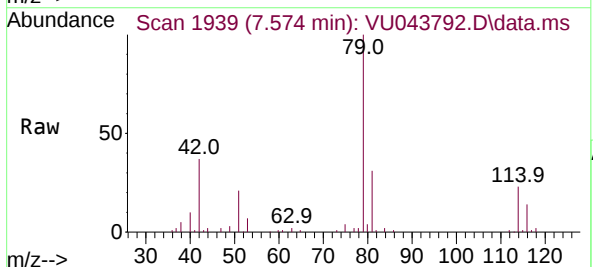
Tgt Ion: 63 Resp: 1444
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

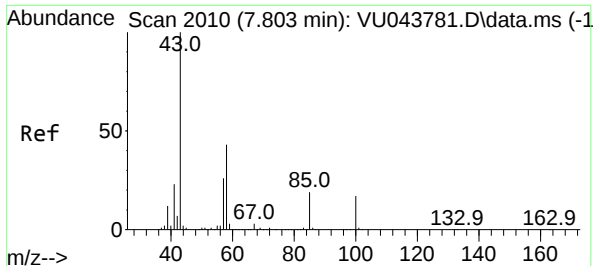


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 75 Resp: 2013
Ion Ratio Lower Upper
75 100
77 65.5 22.5 41.7#

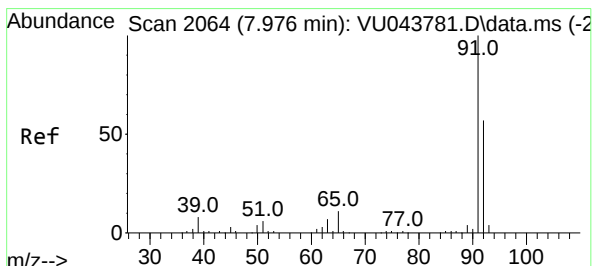
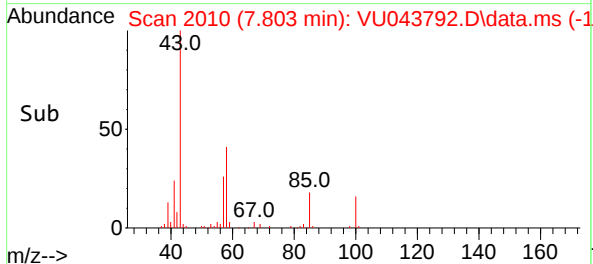
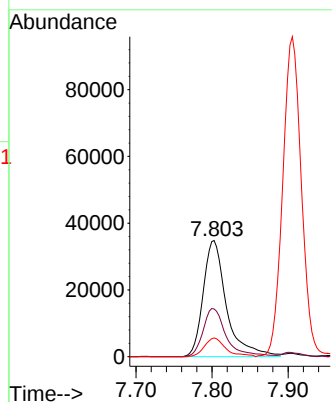
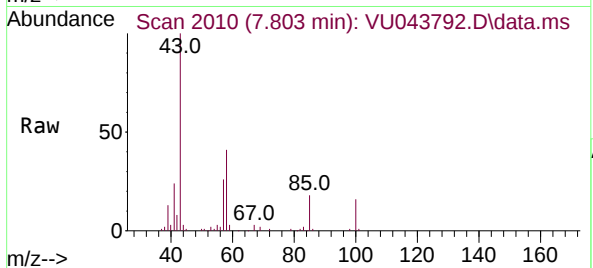




#40
4-Methyl-2-pentanone
Concen: 6.60 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

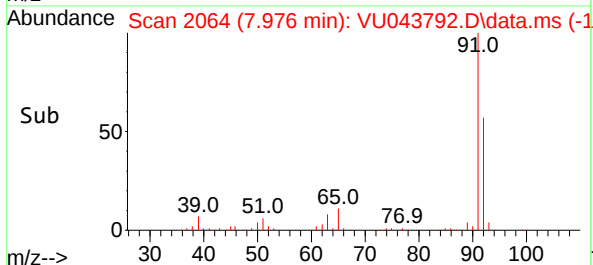
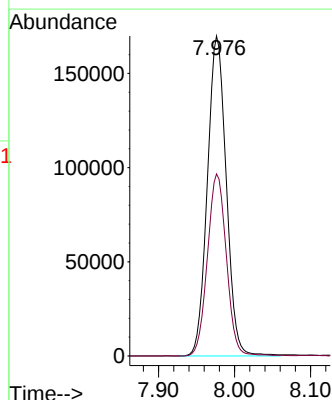
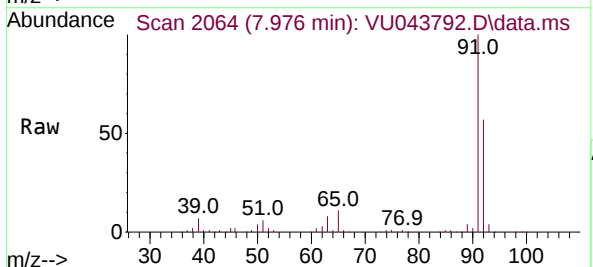
Instrument :
MSVOA_U
ClientSampled :

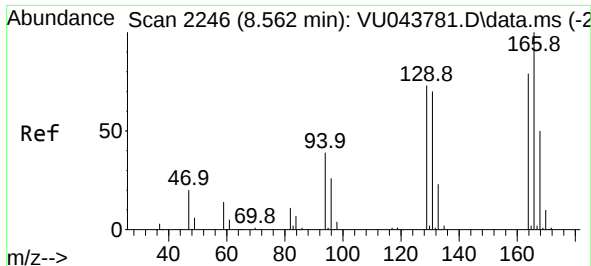
Tgt Ion:	43	Resp:	74351
Ion	Ratio	Lower	Upper
43	100		
58	41.1	32.8	49.2
100	14.7	11.9	17.9



#42
Toluene
Concen: 4.13 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion:	91	Resp:	293126
Ion	Ratio	Lower	Upper
91	100		
92	56.9	40.3	74.8

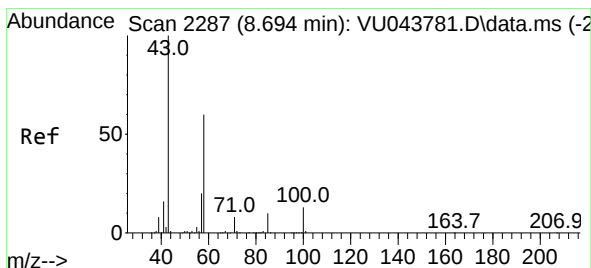
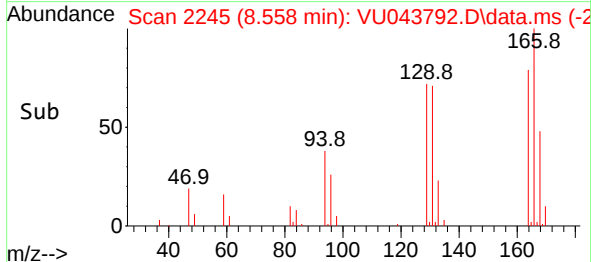
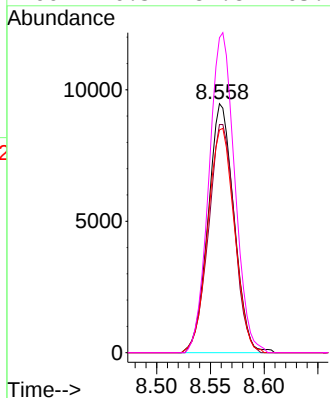
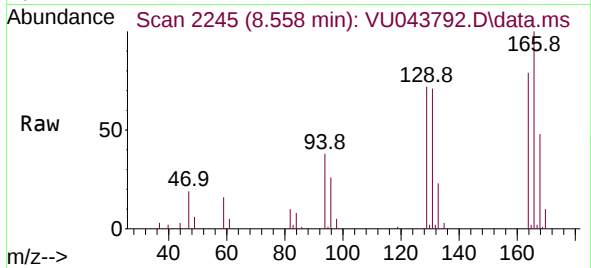




#47
Tetrachloroethene
Concen: 1.13 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

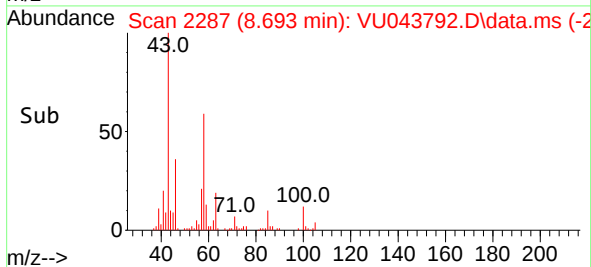
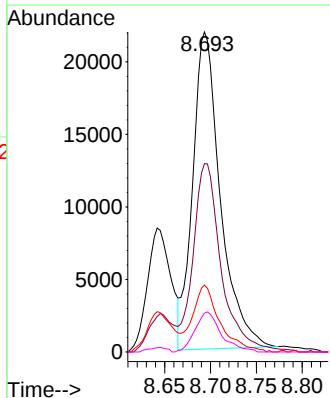
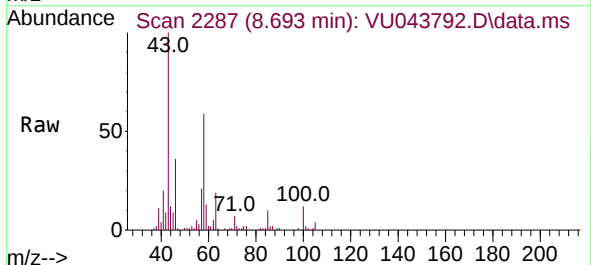
Instrument :
MSVOA_U
ClientSampleId :

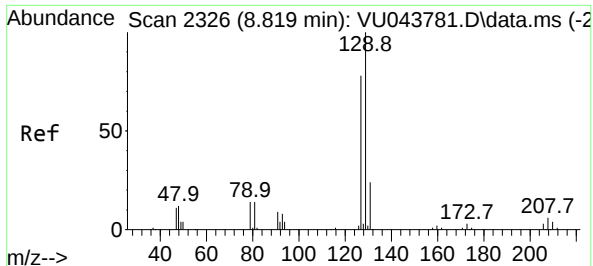
Tgt Ion:164 Resp: 15839
Ion Ratio Lower Upper
164 100
129 91.7 64.1 119.1
131 89.5 61.2 113.8
166 126.5 87.8 163.2



#48
2-Hexanone
Concen: 5.50 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 43 Resp: 45956
Ion Ratio Lower Upper
43 100
58 60.2 47.0 70.4
57 20.8 15.8 23.8
100 11.9 9.0 13.4





#49

Dibromochloromethane

Concen: 1.02 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.254 min

Lab File: VU043792.D

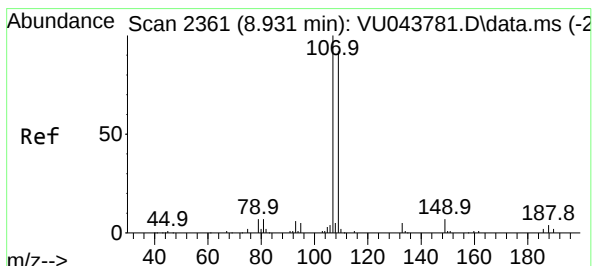
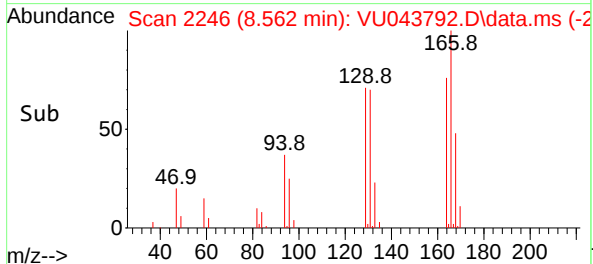
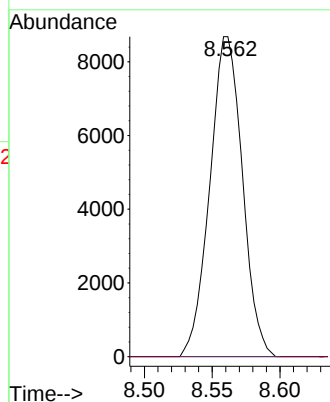
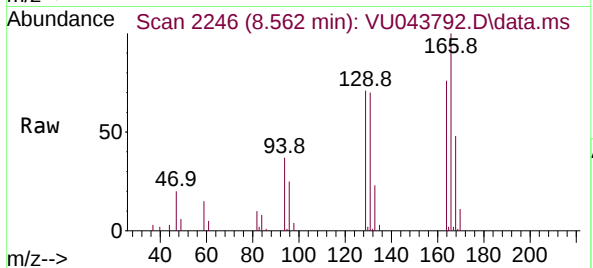
Acq: 17 May 2021 15:00

Tgt Ion:129 Resp: 14502

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



#50

1,2-Dibromoethane

Concen: 0.54 ug/L

RT: 8.931 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VU043792.D

Acq: 17 May 2021 15:00

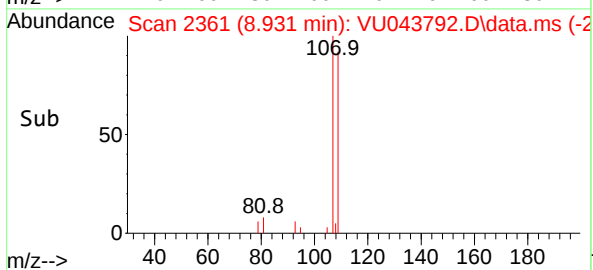
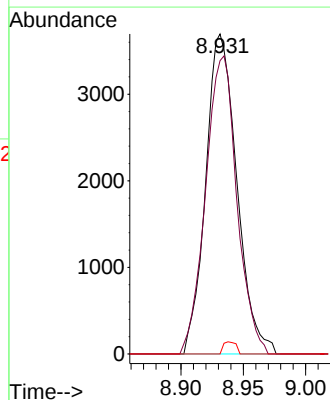
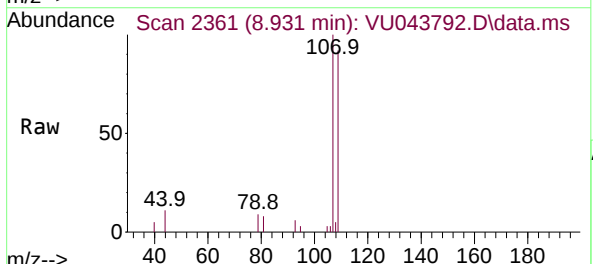
Tgt Ion:107 Resp: 6439

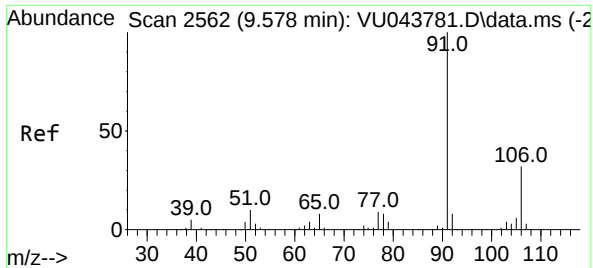
Ion Ratio Lower Upper

107 100

109 91.7 67.7 125.7

188 0.0 3.3 4.9#

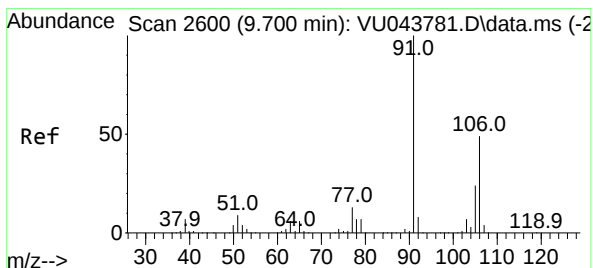
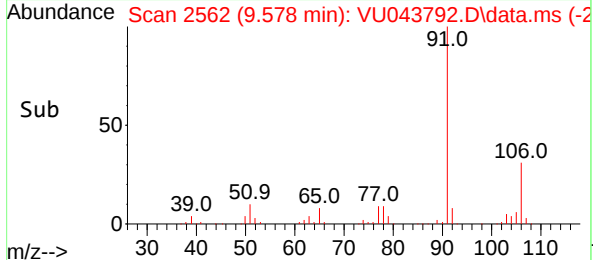
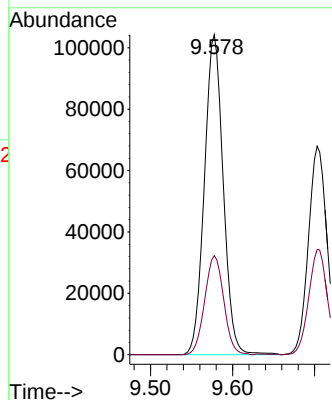
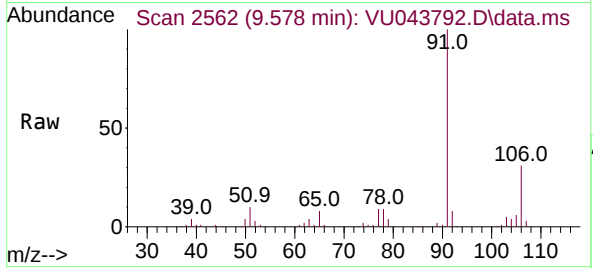




#52
Ethylbenzene
Concen: 2.29 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

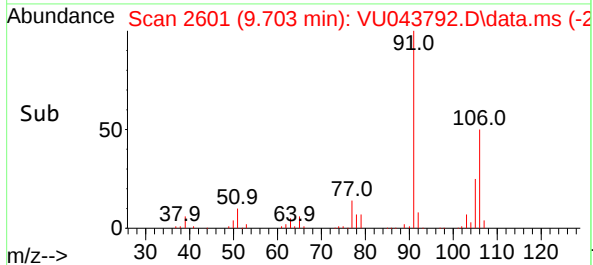
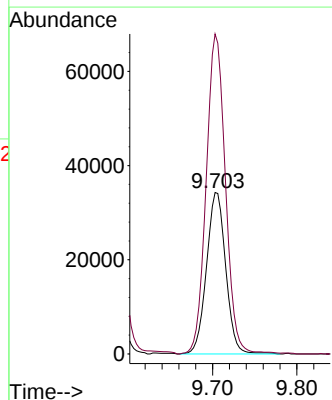
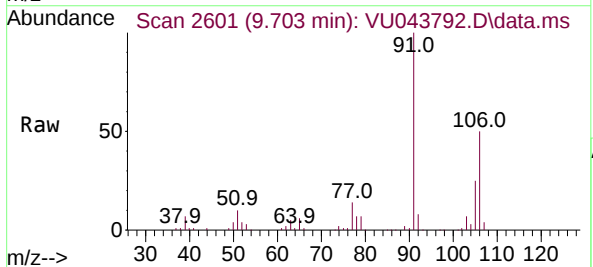
Instrument :
MSVOA_U
ClientSampled :

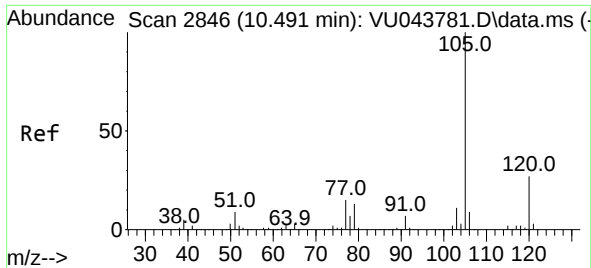
Tgt Ion: 91 Resp: 165963
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 1.97 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 106 Resp: 54442
Ion Ratio Lower Upper
106 100
91 198.1 144.4 268.2

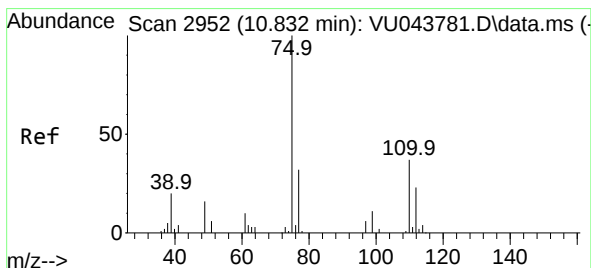
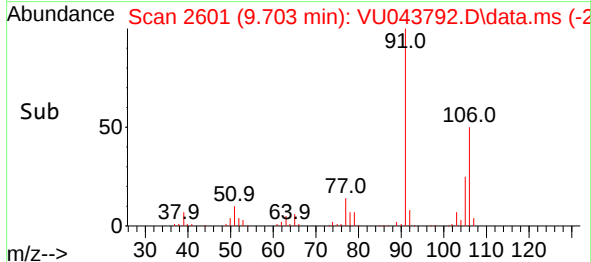
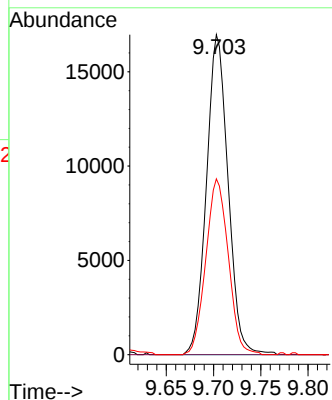
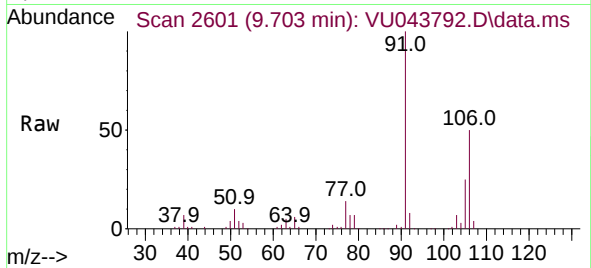




#60
Isopropylbenzene
Concen: 0.44 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. -0.788 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

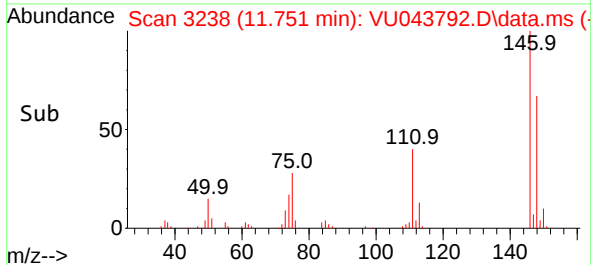
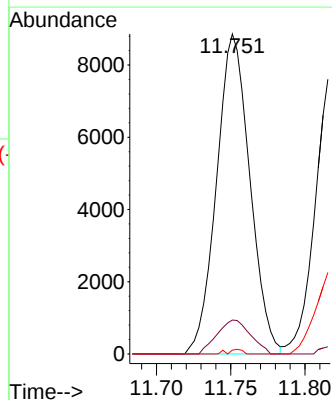
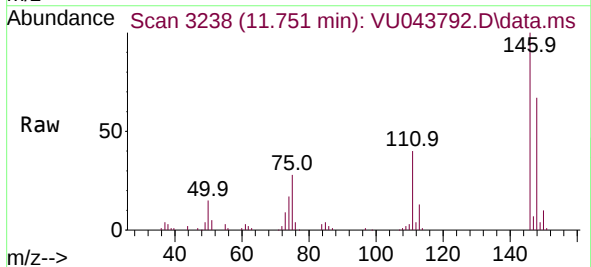
Instrument :
MSVOA_U
ClientSampled :

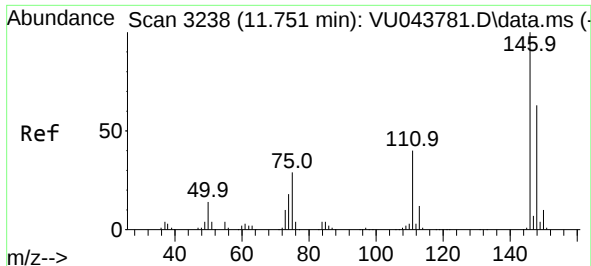
Tgt Ion:105 Resp: 26959
Ion Ratio Lower Upper
105 100
120 0.0 21.3 31.9#
77 57.2 12.6 19.0#



#61
1,2,3-Trichloropropane
Concen: 1.30 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.923 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion: 75 Resp: 13801
Ion Ratio Lower Upper
75 100
110 10.6 27.9 41.9#
77 0.0 25.9 38.9#

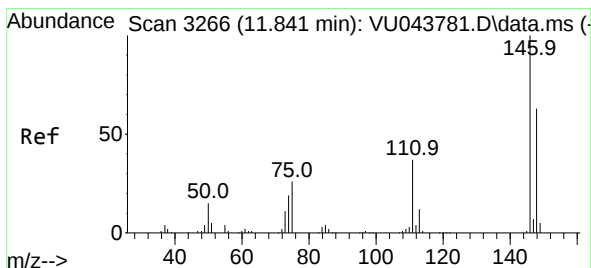
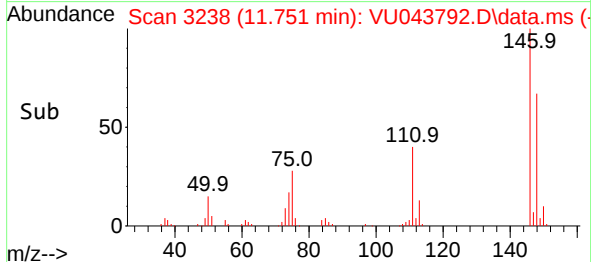
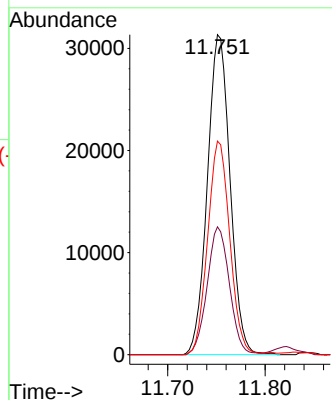
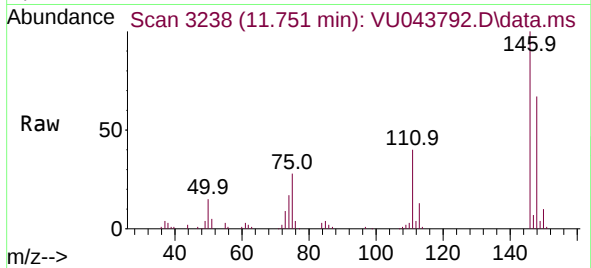




#64
1,3-Dichlorobenzene
Concen: 1.61 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:146 Resp: 50703
Ion Ratio Lower Upper
146 100
111 39.9 28.1 52.1
148 66.8 45.6 84.6



#65
1,4-Dichlorobenzene
Concen: 1.60 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.090 min
Lab File: VU043792.D
Acq: 17 May 2021 15:00

Tgt Ion:146 Resp: 50703
Ion Ratio Lower Upper
146 100
111 39.9 27.0 50.2
148 66.8 45.0 83.6

