

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047677.D
 Acq On : 25 Mar 2022 17:16
 Operator : SY/MD
 Sample : N2081-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y8

Quant Time: Mar 26 04:20:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:50:24 2022
 Response via : Initial Calibration

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

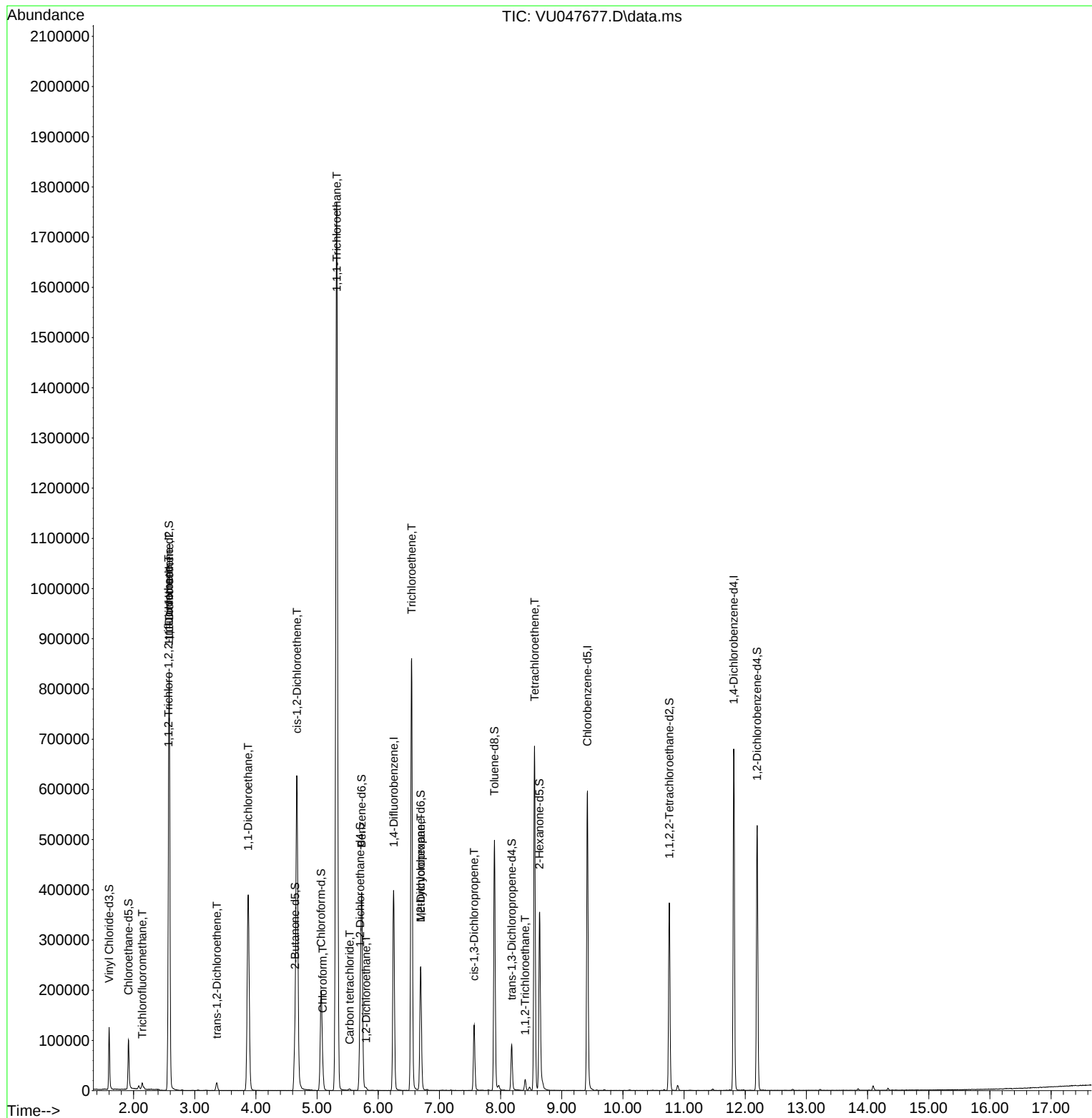
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	341360	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	348836	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	190429	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	90115	36.404	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.800%		
7) Chloroethane-d5	1.916	69	76073	38.974	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.940%		
11) 1,1-Dichloroethene-d2	2.578	63	255621	56.441	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	112.880%		
21) 2-Butanone-d5	4.639	46	176714	83.171	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.170%		
24) Chloroform-d	5.067	84	180155	39.775	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.540%		
26) 1,2-Dichloroethane-d4	5.703	65	115117	41.440	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.880%		
32) Benzene-d6	5.729	84	362500	41.298	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.600%		
36) 1,2-Dichloropropane-d6	6.694	67	115708	42.923	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.840%		
41) Toluene-d8	7.899	98	339493	39.697	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.400%#		
43) trans-1,3-Dichloroprop...	8.182	79	50259	36.801	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.600%		
47) 2-Hexanone-d5	8.636	63	127188	80.597	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.600%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	182937	39.543	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.080%		
66) 1,2-Dichlorobenzene-d4	12.195	152	145160	42.846	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.700%		
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.141	101	7534	1.731	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1854	0.737	ug/L #	20
12) 1,1-Dichloroethene	2.584	96	249773	106.669	ug/L #	74
17) trans-1,2-Dichloroethene	3.363	96	6569	2.601	ug/L	98
19) 1,1-Dichloroethane	3.874	63	443949	101.921	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	315785	114.048	ug/L	96
25) Chloroform	5.092	83	21975	4.686	ug/L	100
27) 1,2-Dichloroethane	5.800	62	3352	0.925	ug/L #	93
30) 1,1,1-Trichloroethane	5.321	97	1273347	321.923	ug/L	99
31) Carbon tetrachloride	5.533	117	1810	0.507	ug/L	89
34) Trichloroethene	6.546	95	289278	109.278	ug/L	98
35) Methylcyclohexane	6.694	83	27919	6.933	ug/L #	21
39) cis-1,3-Dichloropropene	7.568	75	3254	0.817	ug/L #	81
45) 1,1,2-Trichloroethane	8.401	97	6866	2.522	ug/L	97
46) Tetrachloroethene	8.555	164	160331	67.398	ug/L	99

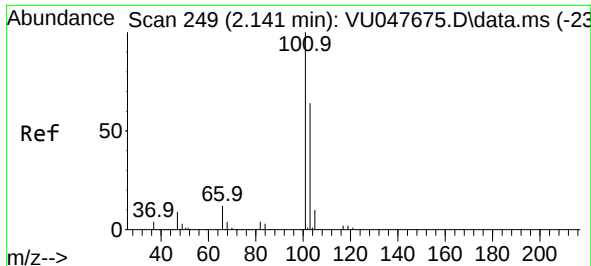
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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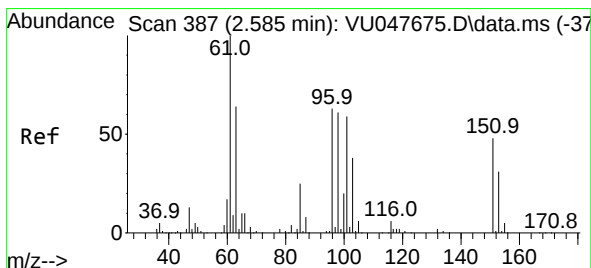
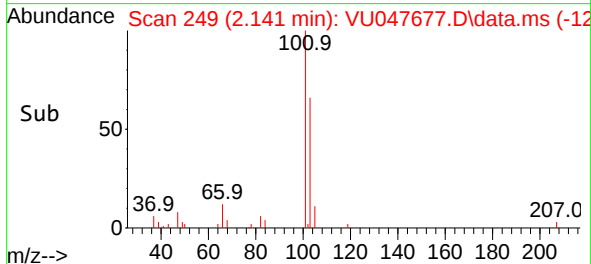
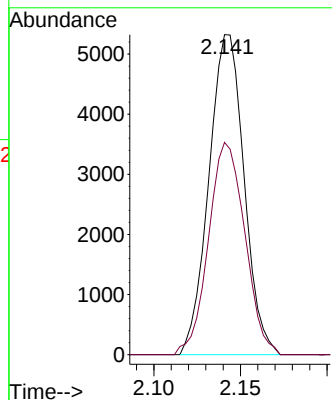
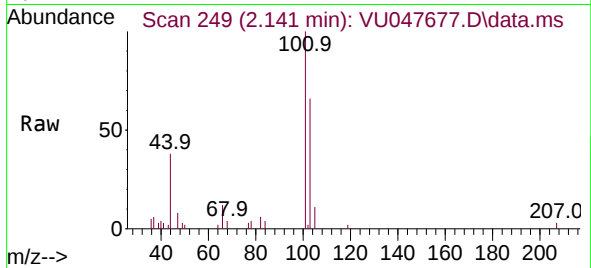




#9
 Trichlorofluoromethane
 Concen: 1.731 ug/L
 RT: 2.141 min Scan# 249
 Delta R.T. -0.000 min
 Lab File: VU047677.D
 Acq: 25 Mar 2022 17:16

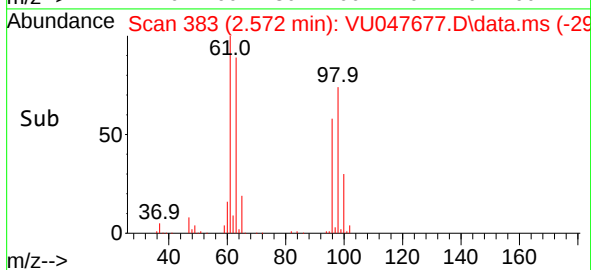
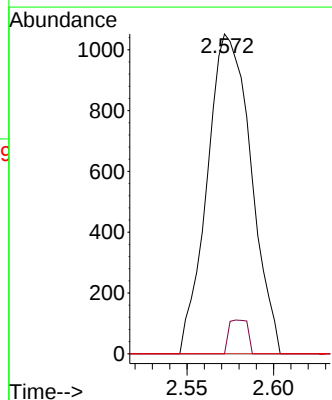
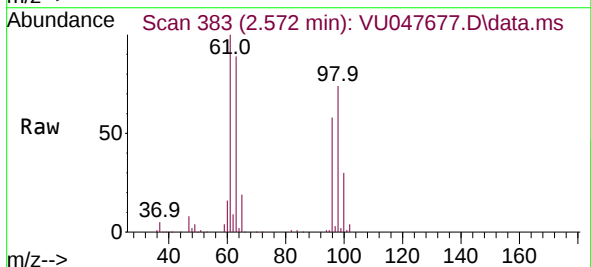
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y8

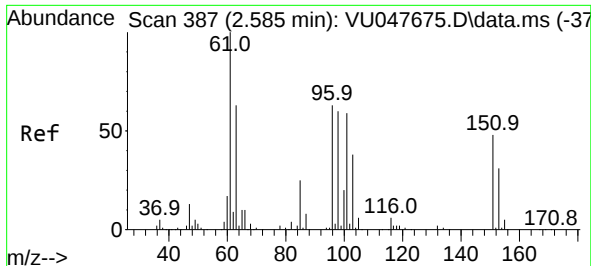
Tgt Ion:101 Resp: 7534
 Ion Ratio Lower Upper
 101 100
 103 68.4 51.4 77.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.737 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU047677.D
 Acq: 25 Mar 2022 17:16

Tgt Ion:101 Resp: 1854
 Ion Ratio Lower Upper
 101 100
 85 3.4 32.8 49.2#
 151 0.0 63.0 94.6#





#12

1,1-Dichloroethene

Concen: 106.669 ug/L

RT: 2.584 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047677.D

Acq: 25 Mar 2022 17:16

Instrument :

MSVOA_U

ClientSampleId :

EW5Y8

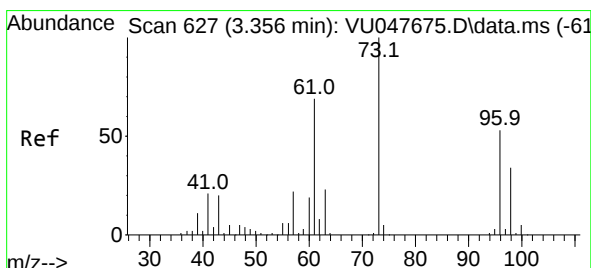
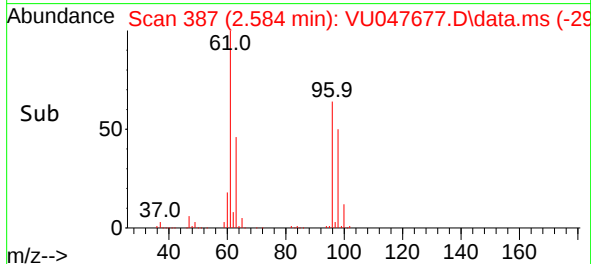
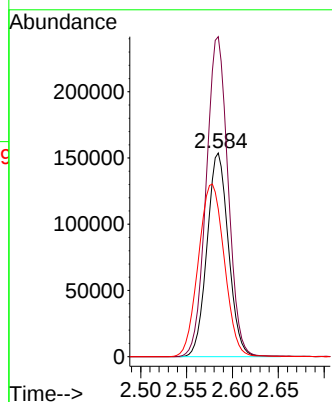
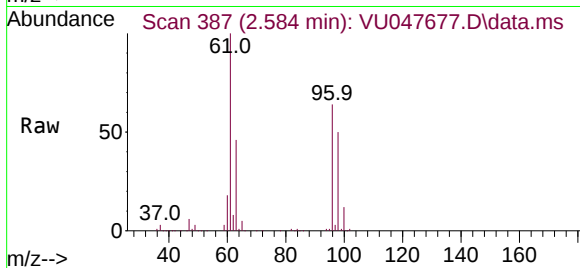
Tgt Ion: 96 Resp: 249773

Ion Ratio Lower Upper

96 100

61 157.1 113.1 210.1

63 72.4 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 2.601 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.006 min

Lab File: VU047677.D

Acq: 25 Mar 2022 17:16

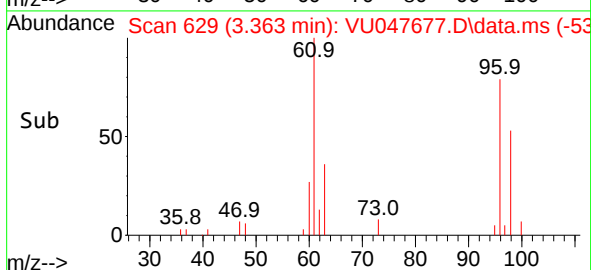
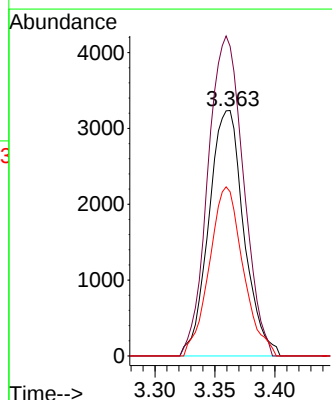
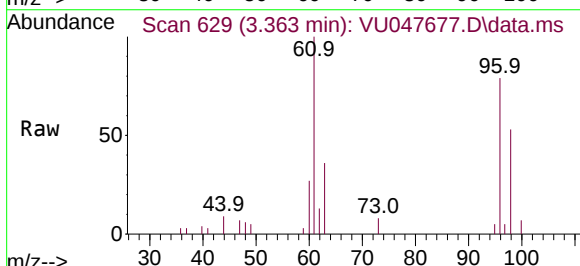
Tgt Ion: 96 Resp: 6569

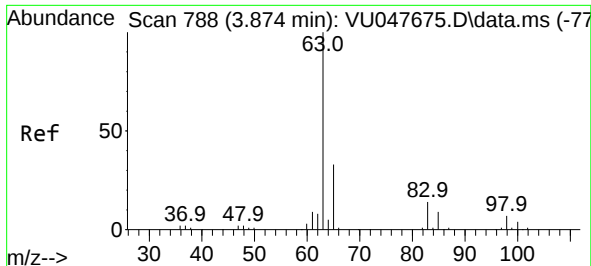
Ion Ratio Lower Upper

96 100

61 126.2 88.4 164.2

98 66.9 43.3 80.5

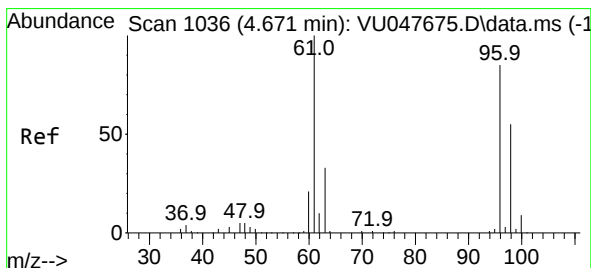
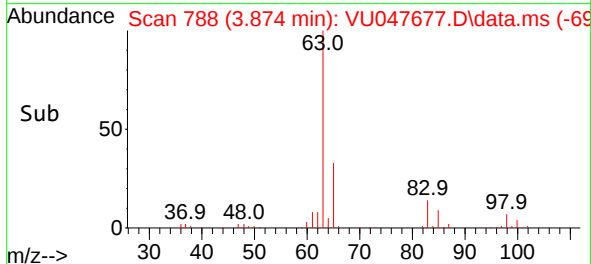
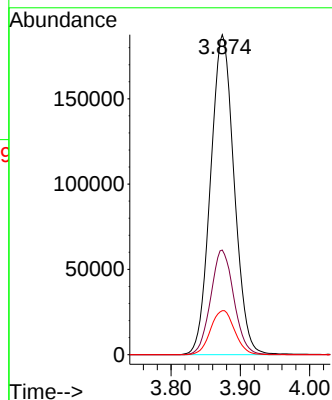
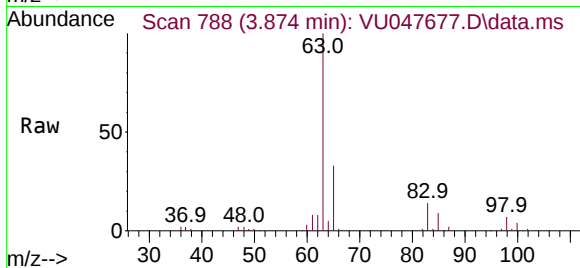




#19
1,1-Dichloroethane
Concen: 101.921 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU047677.D
Acq: 25 Mar 2022 17:16

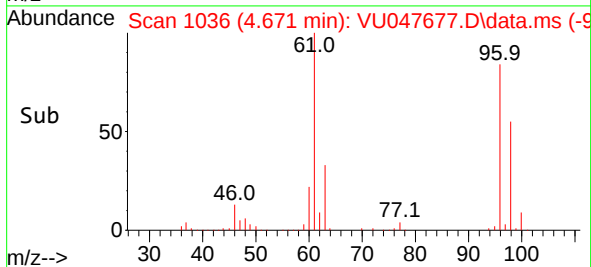
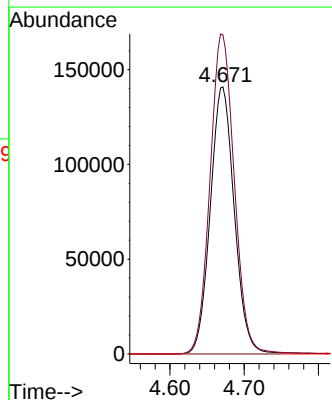
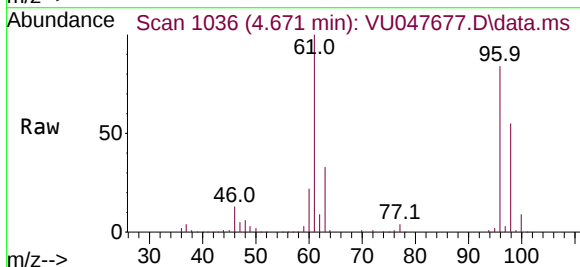
Instrument :
MSVOA_U
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EW5Y8

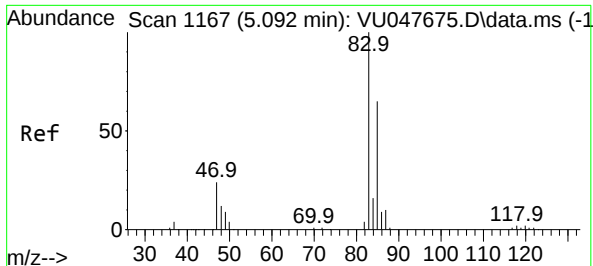
Tgt Ion: 63 Resp: 443949
Ion Ratio Lower Upper
63 100
65 32.7 22.0 41.0
83 13.7 9.7 18.1



#20
cis-1,2-Dichloroethene
Concen: 114.048 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047677.D
Acq: 25 Mar 2022 17:16

Tgt Ion: 96 Resp: 315785
Ion Ratio Lower Upper
96 100
61 119.5 80.7 149.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 4.686 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047677.D

Acq: 25 Mar 2022 17:16

Instrument :

MSVOA_U

ClientSampleId :

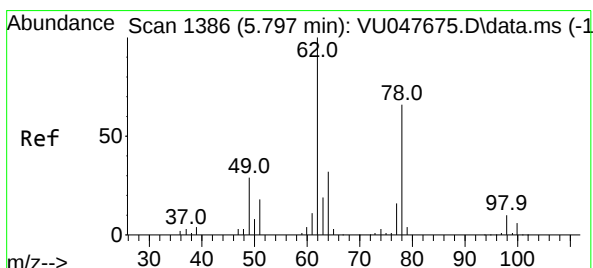
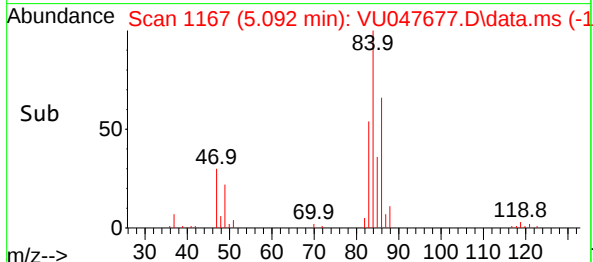
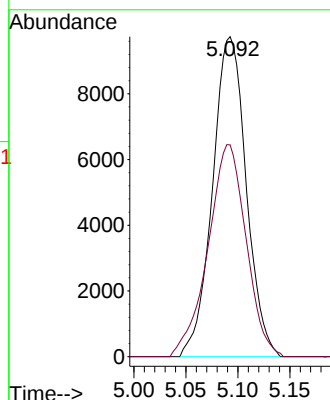
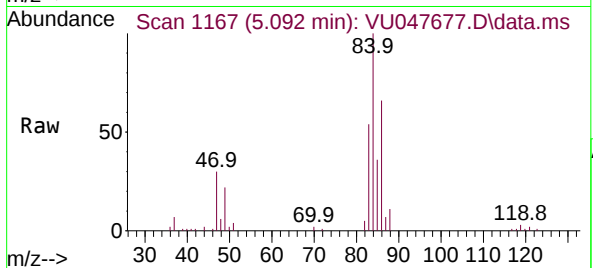
EW5Y8

Tgt Ion: 83 Resp: 21975

Ion Ratio Lower Upper

83 100

85 66.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 0.925 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU047677.D

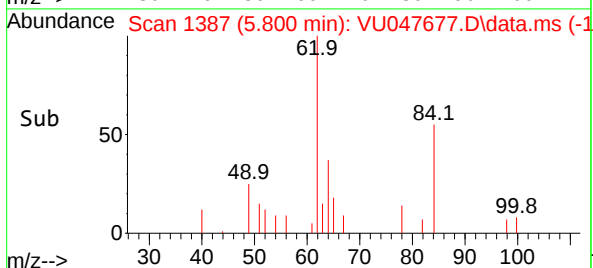
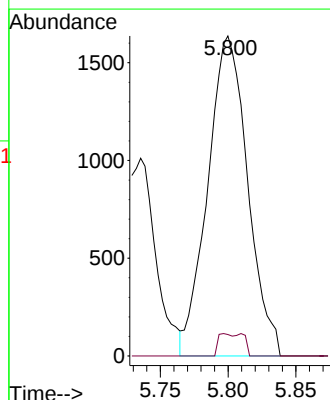
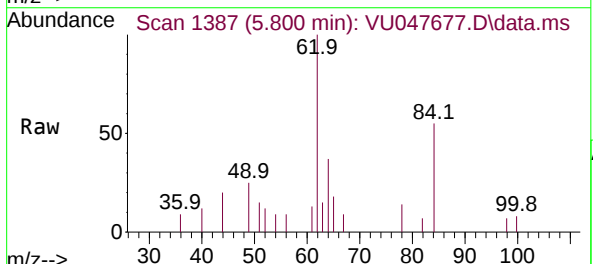
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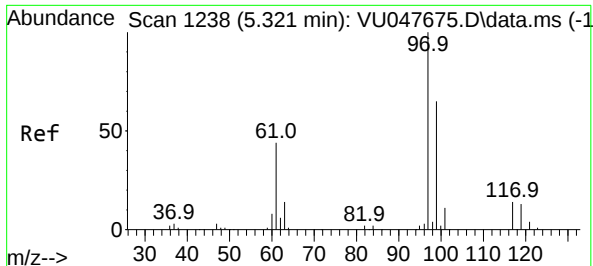
Tgt Ion: 62 Resp: 3352

Ion Ratio Lower Upper

62 100

98 6.7 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 321.923 ug/L

RT: 5.321 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047677.D

Acq: 25 Mar 2022 17:16

Instrument :

MSVOA_U

ClientSampleId :

EW5Y8

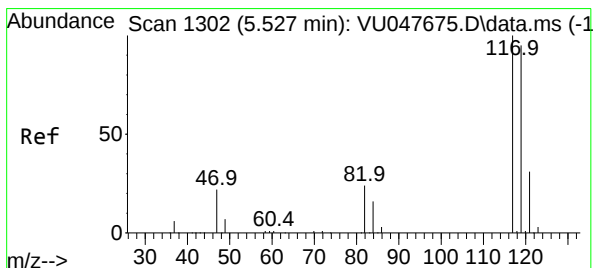
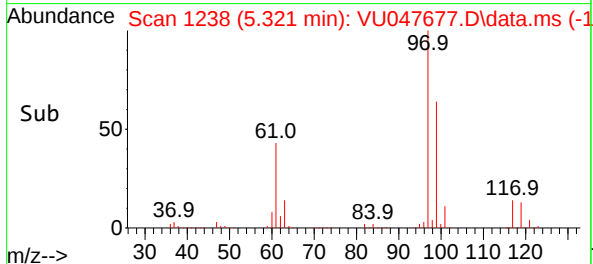
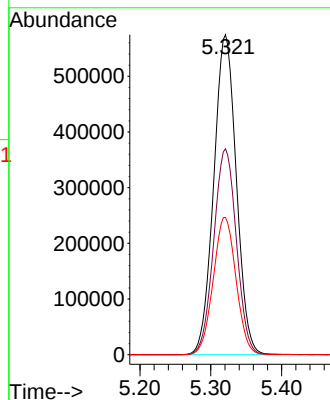
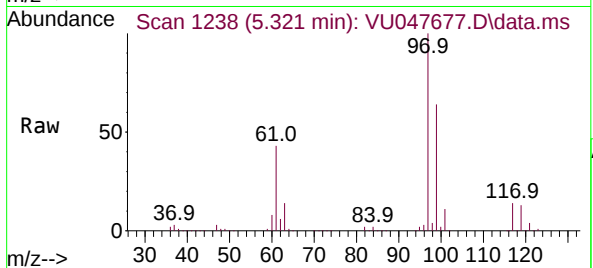
Tgt Ion: 97 Resp: 1273347

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 43.4 34.2 51.4



#31

Carbon tetrachloride

Concen: 0.507 ug/L

RT: 5.533 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VU047677.D

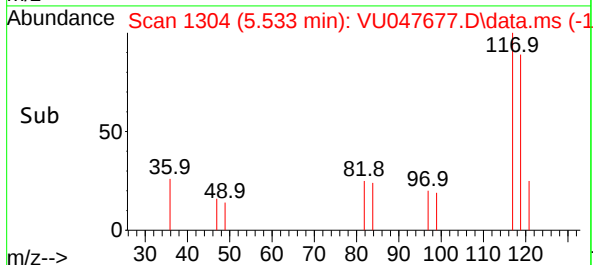
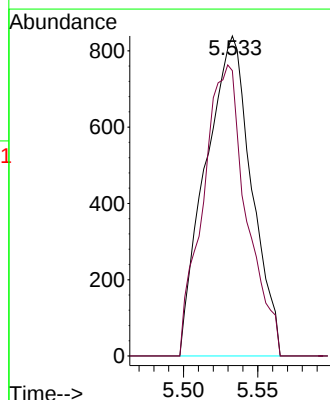
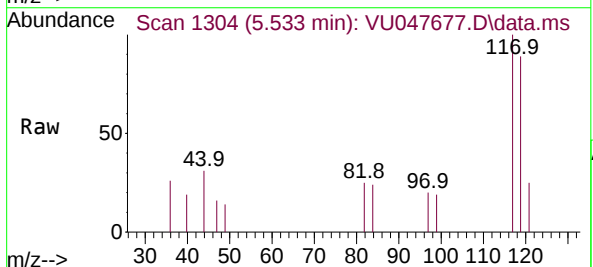
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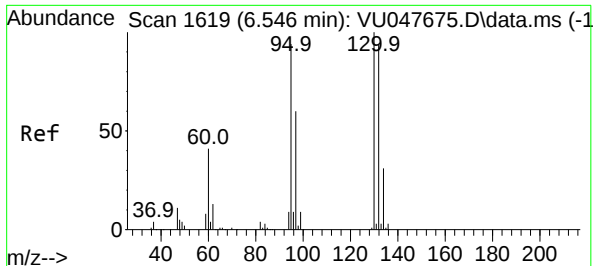
Tgt Ion: 117 Resp: 1810

Ion Ratio Lower Upper

117 100

119 85.7 77.2 115.8

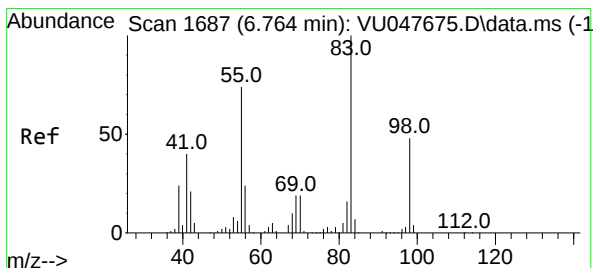
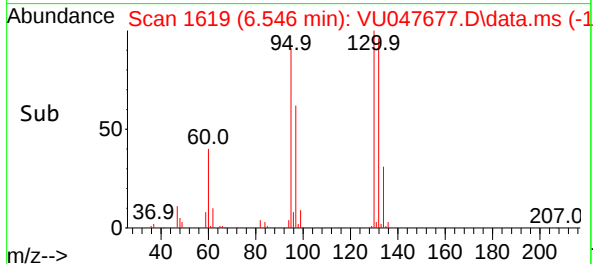
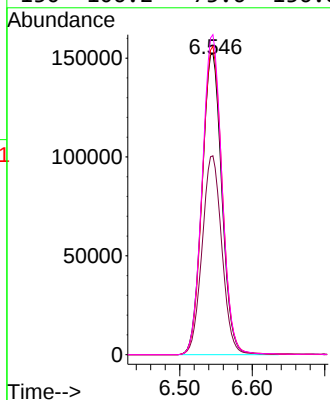
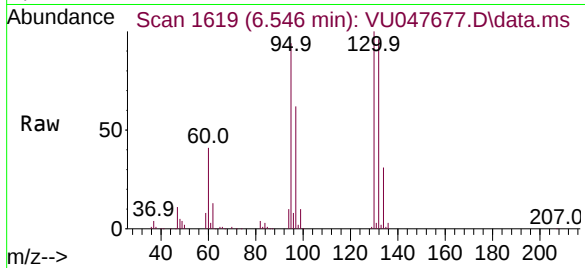




#34
Trichloroethene
Concen: 109.278 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047677.D
Acq: 25 Mar 2022 17:16

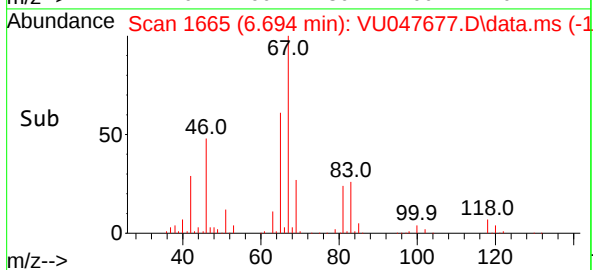
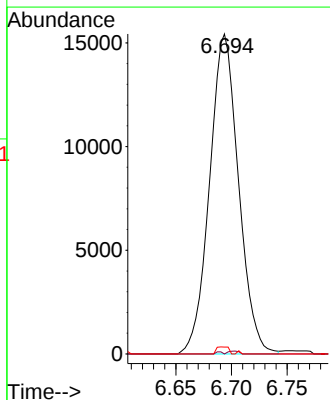
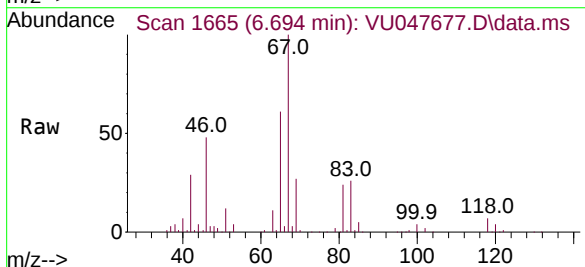
Instrument :
MSVOA_U
ClientSampleId :
EW5Y8

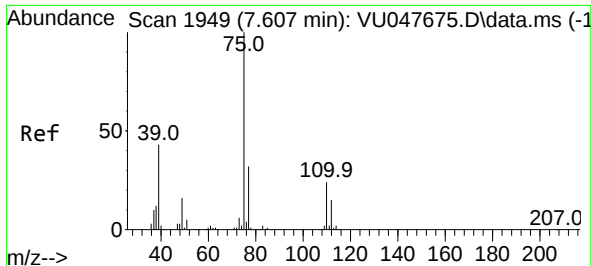
Tgt Ion: 95 Resp: 289278
Ion Ratio Lower Upper
95 100
97 66.0 44.7 82.9
132 102.4 70.4 130.8
130 106.2 73.6 136.8



#35
Methylcyclohexane
Concen: 6.933 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU047677.D
Acq: 25 Mar 2022 17:16

Tgt Ion: 83 Resp: 27919
Ion Ratio Lower Upper
83 100
55 0.1 56.8 85.2#
98 0.7 38.1 57.1#





#39

cis-1,3-Dichloropropene

Concen: 0.817 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU047677.D

Acq: 25 Mar 2022 17:16

Instrument :

MSVOA_U

ClientSampleId :

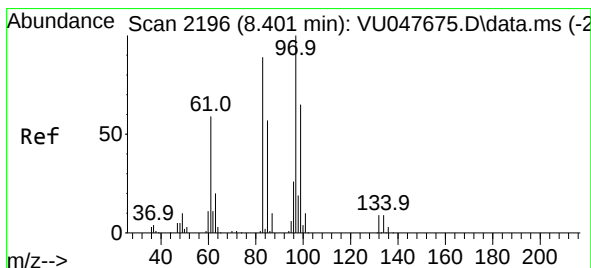
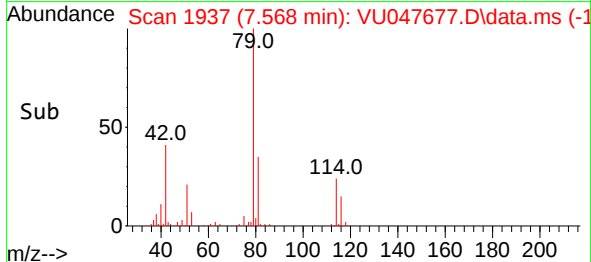
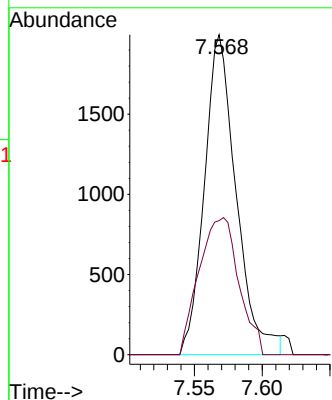
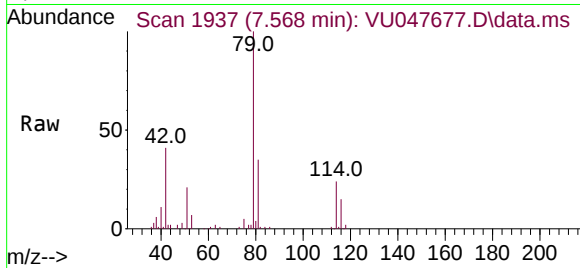
EW5Y8

Tgt Ion: 75 Resp: 3254

Ion Ratio Lower Upper

75 100

77 41.9 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 2.522 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. -0.000 min

Lab File: VU047677.D

Acq: 25 Mar 2022 17:16

Tgt Ion: 97 Resp: 6866

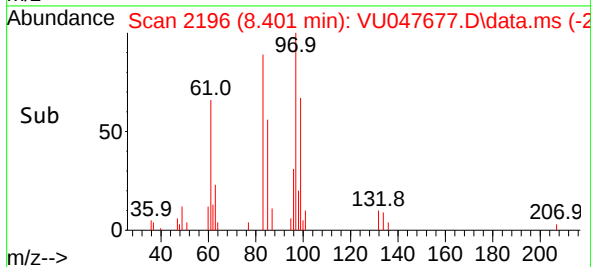
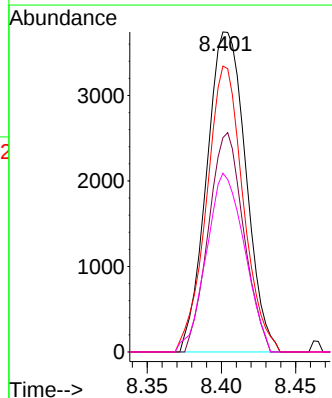
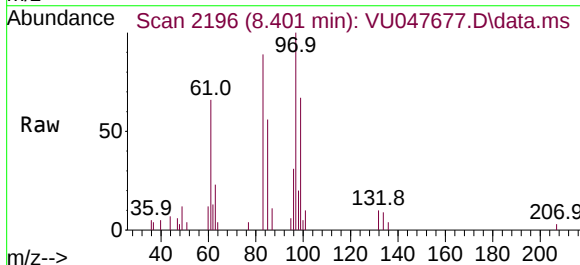
Ion Ratio Lower Upper

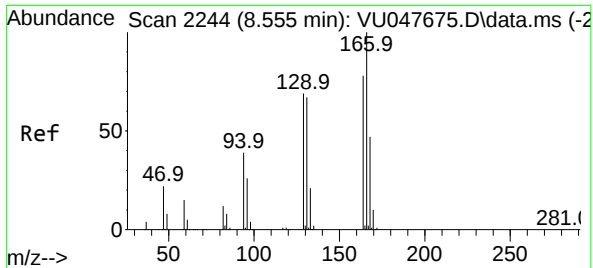
97 100

99 67.0 43.3 80.3

83 89.3 61.0 113.4

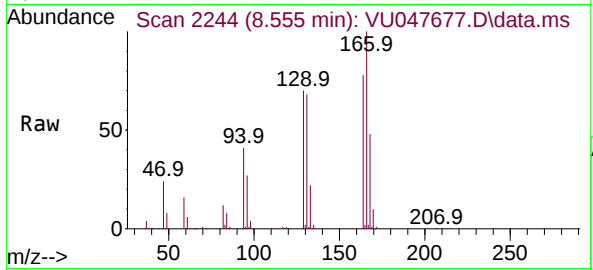
85 55.9 39.6 73.6





#46
 Tetrachloroethene
 Concen: 67.398 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU047677.D
 Acq: 25 Mar 2022 17:16

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y8



Tgt Ion:164 Resp: 160331

Ion	Ratio	Lower	Upper
164	100		
129	90.1	62.4	116.0
131	87.0	60.7	112.7
166	128.5	89.0	165.4

