

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049013.D
 Acq On : 10 Jun 2022 21:46
 Operator : SY/MD
 Sample : N3254-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG9

Quant Time: Jun 11 02:45:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 10 22:44:31 2022
 Response via : Initial Calibration

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

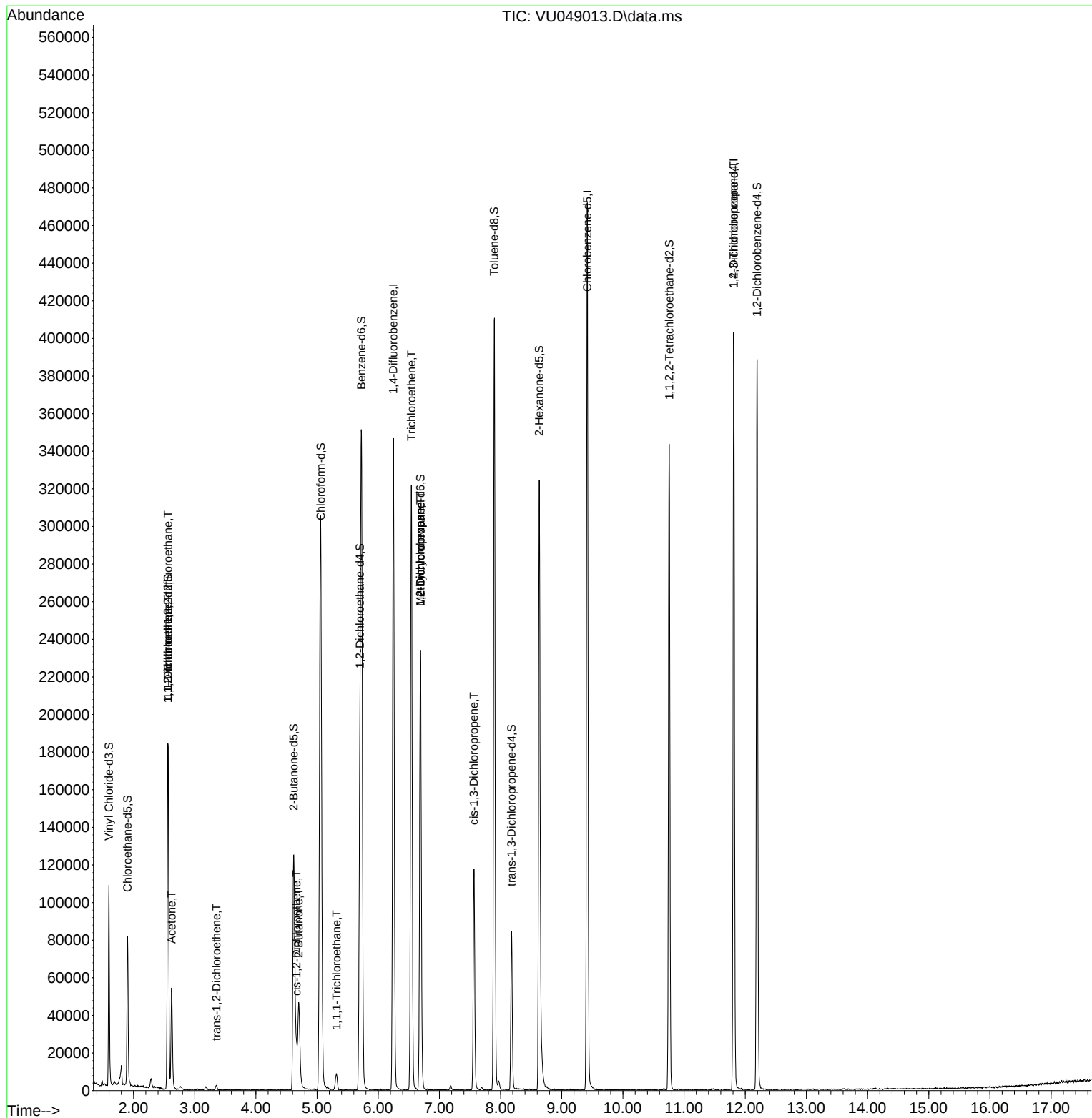
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	279895	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	266392	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	108538	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76001	44.077	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.160%		
7) Chloroethane-d5	1.899	69	59413	46.928	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.860%		
11) 1,1-Dichloroethene-d2	2.562	63	109418	33.629	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.260%		
21) 2-Butanone-d5	4.616	46	182250	96.404	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.400%		
24) Chloroform-d	5.063	84	172202	46.815	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.640%		
26) 1,2-Dichloroethane-d4	5.700	65	120576	50.597	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.200%		
32) Benzene-d6	5.726	84	324263	49.089	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.180%		
36) 1,2-Dichloropropane-d6	6.690	67	111985	50.429	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.860%		
41) Toluene-d8	7.896	98	271375	46.583	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.160%		
43) trans-1,3-Dichloroprop...	8.179	79	47394	45.366	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.740%		
47) 2-Hexanone-d5	8.632	63	102007	87.769	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.770%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	169157	45.608	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.220%		
66) 1,2-Dichlorobenzene-d4	12.195	152	102406	54.226	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.460%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1043	0.529	ug/L #	19
12) 1,1-Dichloroethene	2.565	96	794	0.460	ug/L #	1
13) Acetone	2.623	43	57830	38.874	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	1056	0.556	ug/L	92
20) cis-1,2-Dichloroethene	4.665	96	7362	3.189	ug/L	99
22) 2-Butanone	4.700	43	63373	27.721	ug/L	100
30) 1,1,1-Trichloroethane	5.317	97	6734	1.813	ug/L	97
34) Trichloroethene	6.542	95	109760	50.454	ug/L	99
35) Methylcyclohexane	6.690	83	26972	8.882	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	11970	4.918	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	2671	0.746	ug/L #	61
60) 1,2,3-Trichloropropane	11.812	75	11328	4.115	ug/L #	66

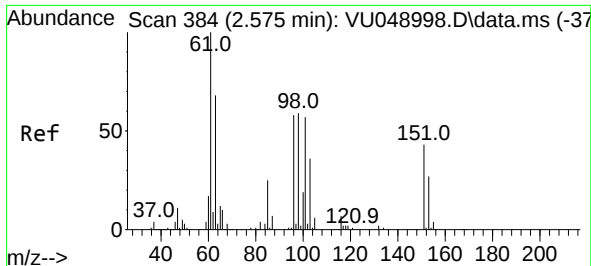
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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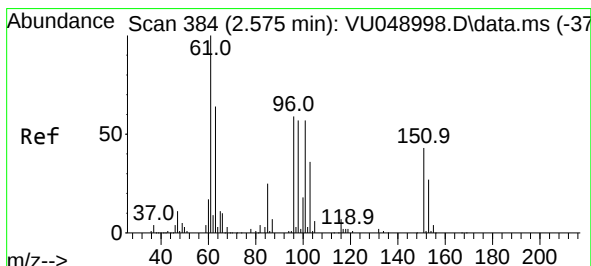
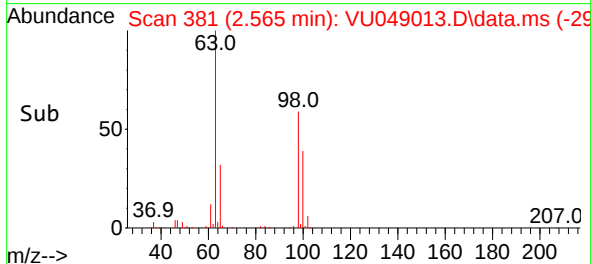
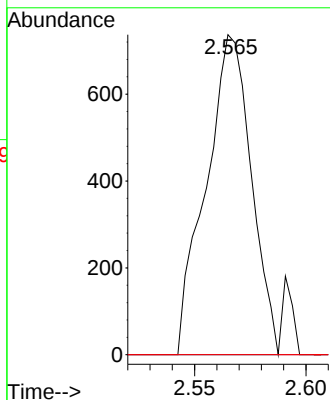
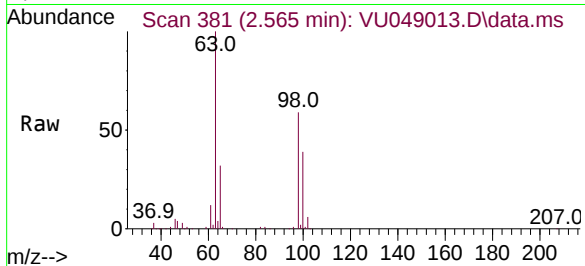




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.529 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.010 min
 Lab File: VU049013.D
 Acq: 10 Jun 2022 21:46

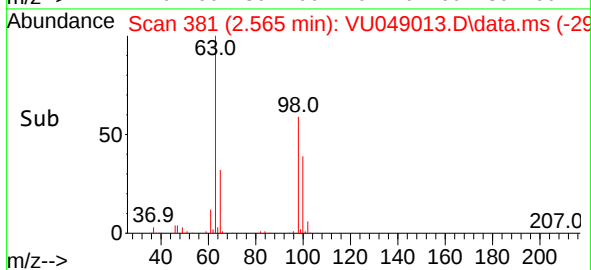
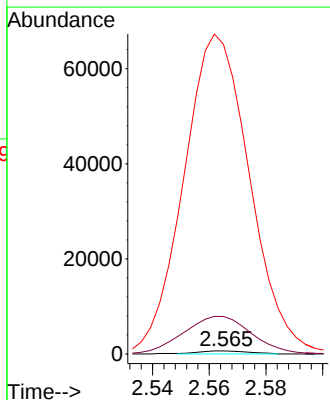
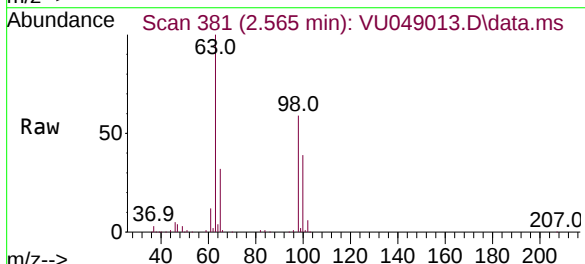
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG9

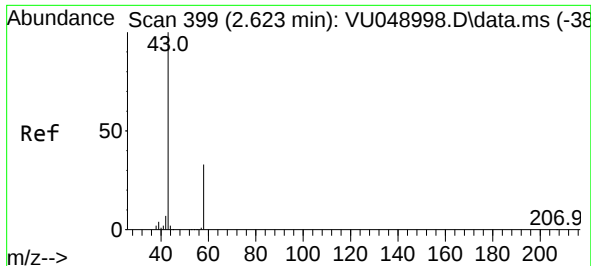
Tgt Ion:101 Resp: 1043
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.2 52.8#
 151 0.0 61.4 92.2#



#12
 1,1-Dichloroethene
 Concen: 0.460 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.010 min
 Lab File: VU049013.D
 Acq: 10 Jun 2022 21:46

Tgt Ion: 96 Resp: 794
 Ion Ratio Lower Upper
 96 100
 61 1201.5 123.5 229.3#
 63 9926.8 86.0 159.8#





#13

Acetone

Concen: 38.874 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU049013.D

Acq: 10 Jun 2022 21:46

Instrument :

MSVOA_U

ClientSampleId :

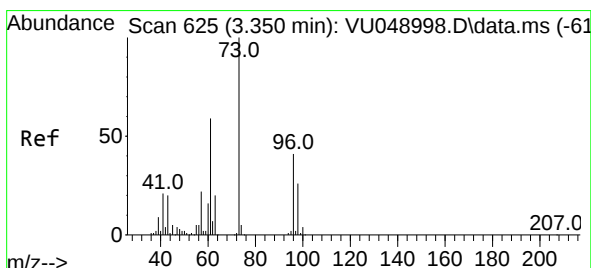
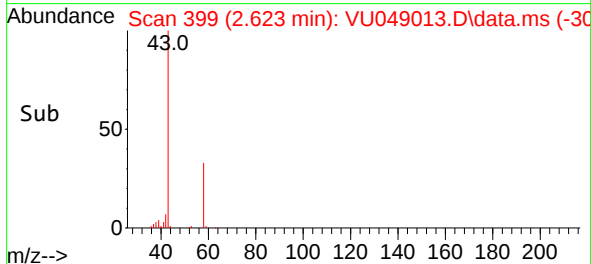
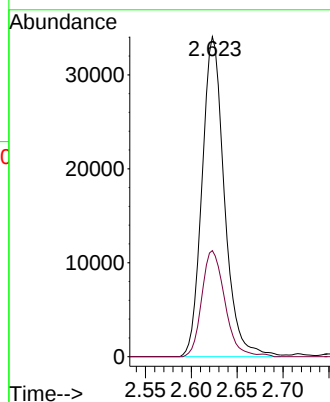
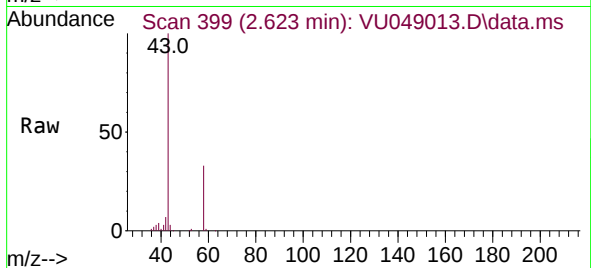
C0DG9

Tgt Ion: 43 Resp: 57830

Ion Ratio Lower Upper

43 100

58 33.9 0.0 66.4



#17

trans-1,2-Dichloroethene

Concen: 0.556 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.006 min

Lab File: VU049013.D

Acq: 10 Jun 2022 21:46

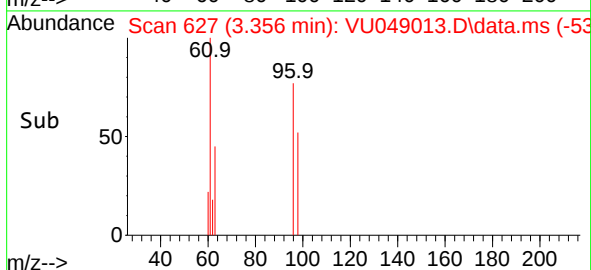
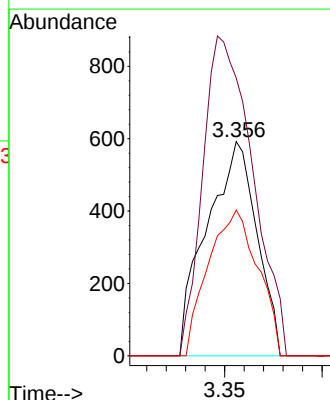
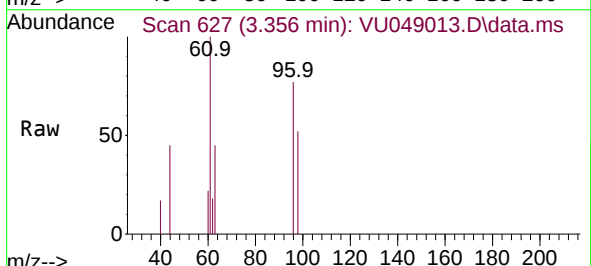
Tgt Ion: 96 Resp: 1056

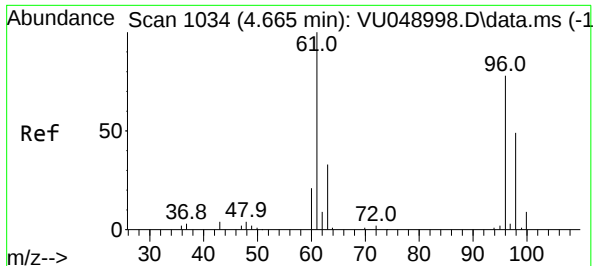
Ion Ratio Lower Upper

96 100

61 129.7 99.3 184.3

98 68.1 44.7 83.1

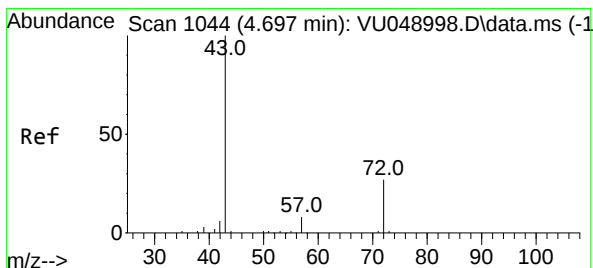
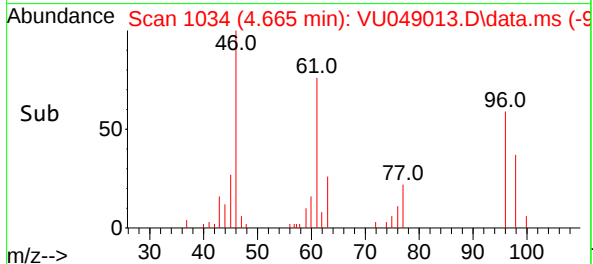
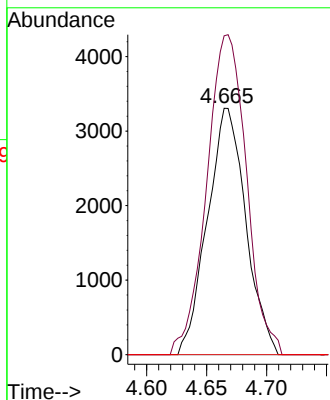
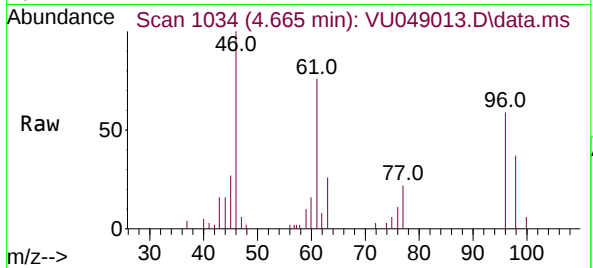




#20
cis-1,2-Dichloroethene
Concen: 3.189 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU049013.D
Acq: 10 Jun 2022 21:46

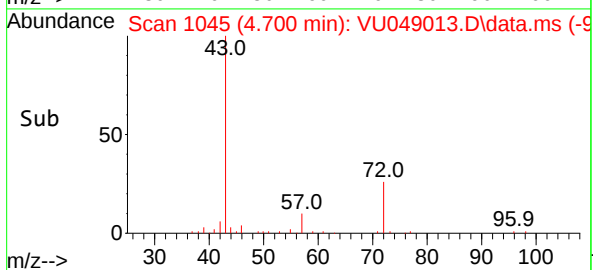
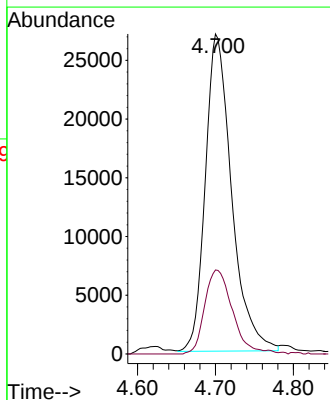
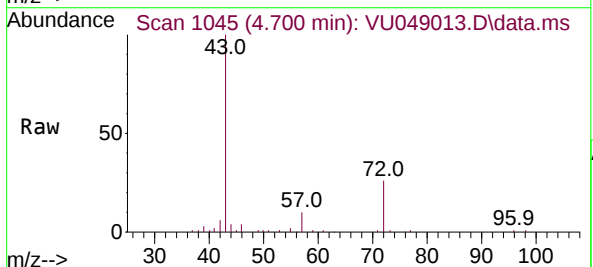
Instrument :
MSVOA_U
ClientSampleId :
C0DG9

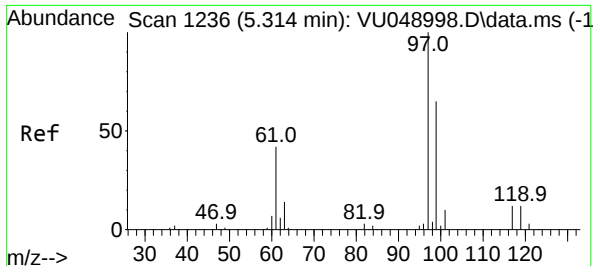
Tgt Ion: 96 Resp: 7362
Ion Ratio Lower Upper
96 100
61 129.4 91.6 170.2
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 27.721 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU049013.D
Acq: 10 Jun 2022 21:46

Tgt Ion: 43 Resp: 63373
Ion Ratio Lower Upper
43 100
72 27.6 13.7 41.0





#30

1,1,1-Trichloroethane

Concen: 1.813 ug/L

RT: 5.317 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049013.D

Acq: 10 Jun 2022 21:46

Instrument :

MSVOA_U

ClientSampleId :

C0DG9

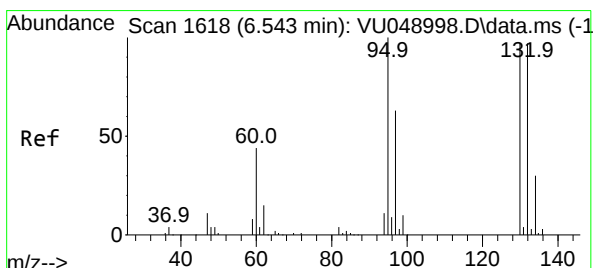
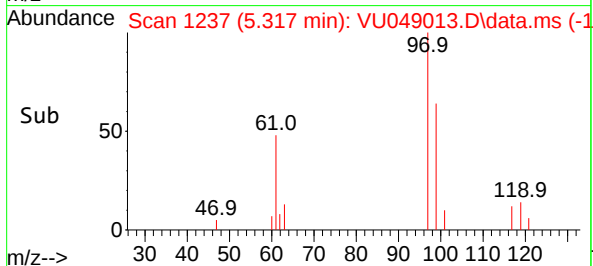
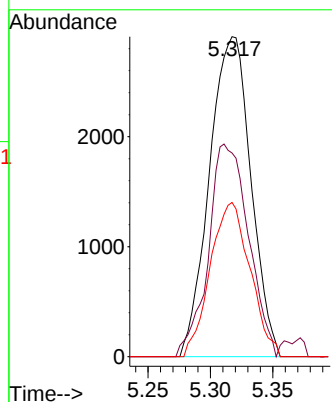
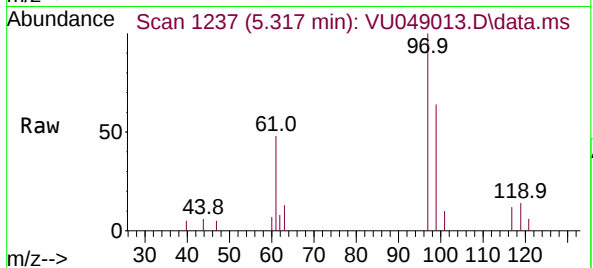
Tgt Ion: 97 Resp: 6734

Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 46.3 34.2 51.2



#34

Trichloroethene

Concen: 50.454 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU049013.D

Acq: 10 Jun 2022 21:46

Tgt Ion: 95 Resp: 109760

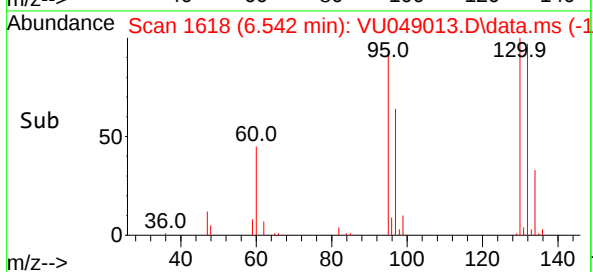
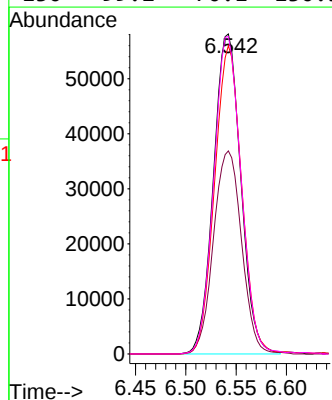
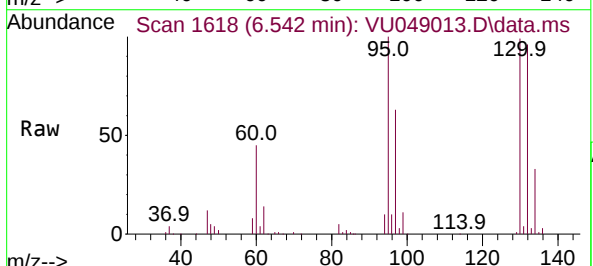
Ion Ratio Lower Upper

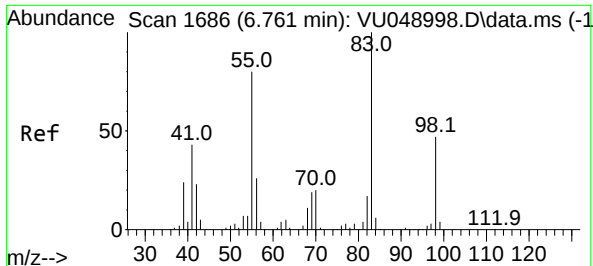
95 100

97 63.4 45.4 84.4

132 96.3 67.6 125.6

130 99.2 70.1 130.3





#35

Methylcyclohexane

Concen: 8.882 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.071 min

Lab File: VU049013.D

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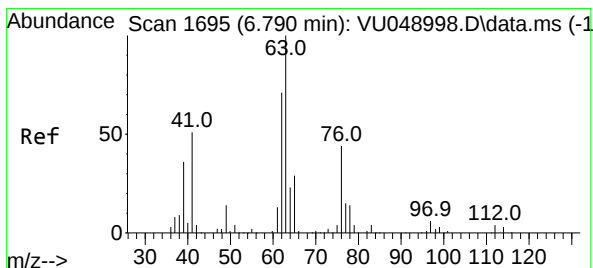
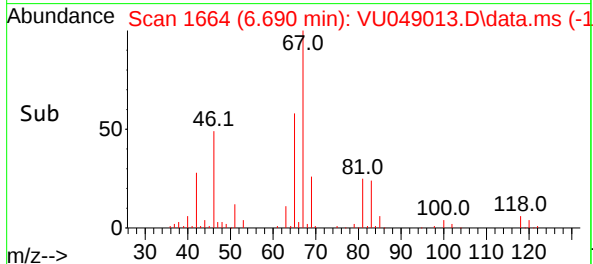
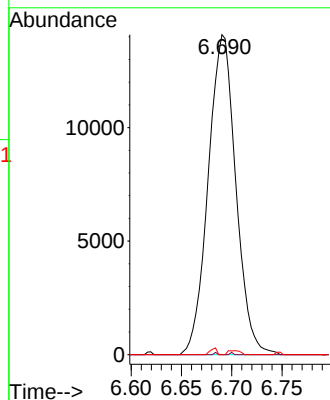
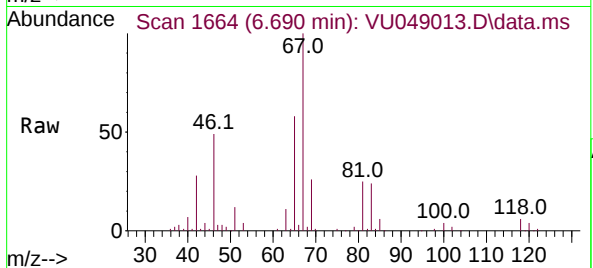
Tgt Ion: 83 Resp: 26972

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 0.5 36.8 55.2#



#37

1,2-Dichloropropane

Concen: 4.918 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU049013.D

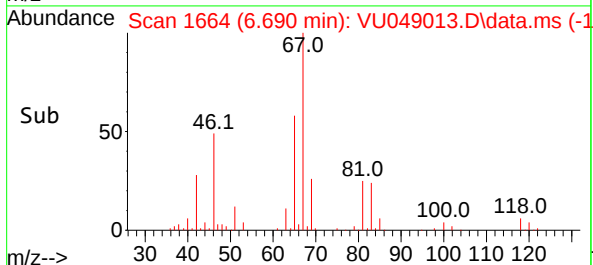
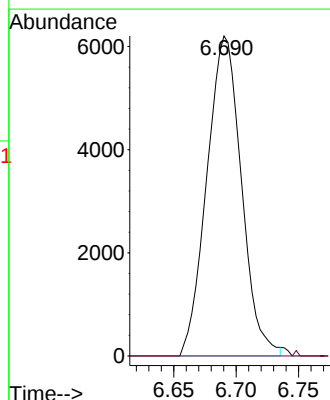
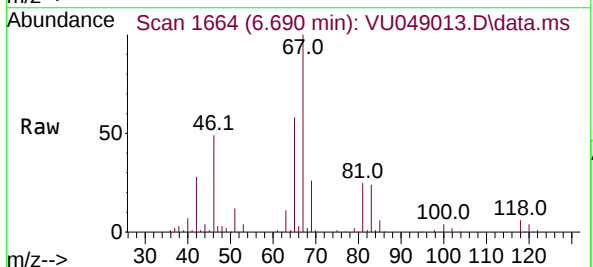
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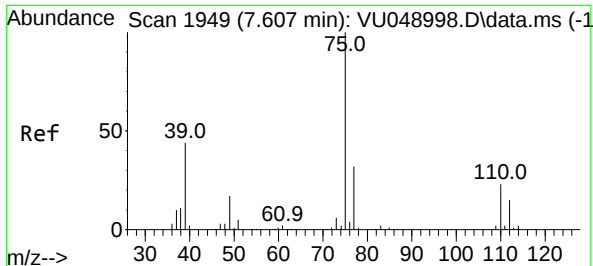
Tgt Ion: 63 Resp: 11970

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.746 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU049013.D

Acq: 10 Jun 2022 21:46

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ClientSampleId :

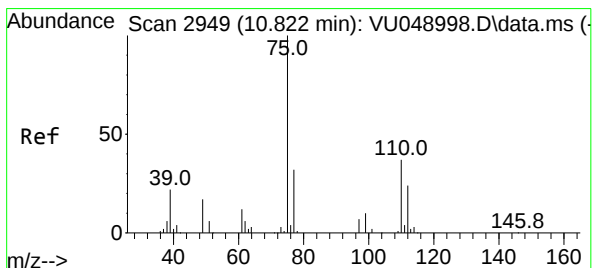
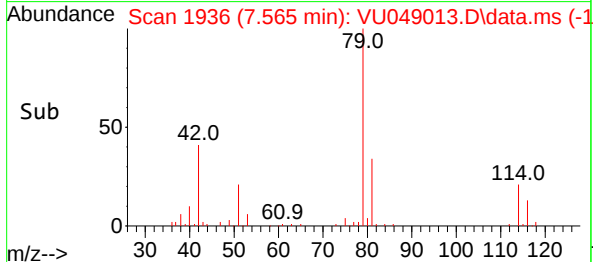
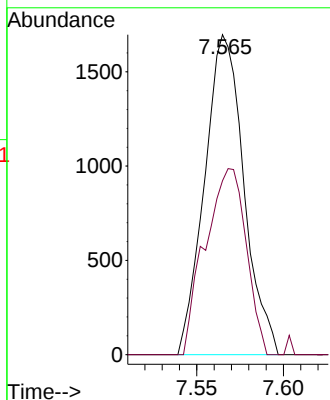
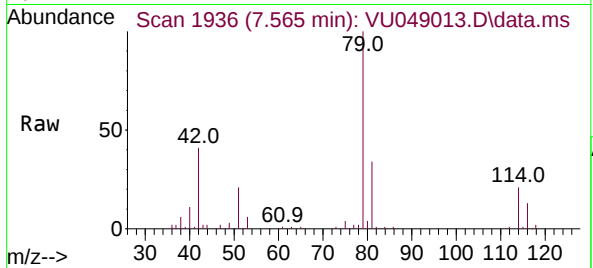
C0DG9

Tgt Ion: 75 Resp: 2671

Ion Ratio Lower Upper

75 100

77 54.3 22.6 42.0#



#60

1,2,3-Trichloropropane

Concen: 4.115 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU049013.D

Acq: 10 Jun 2022 21:46

Tgt Ion: 75 Resp: 11328

Ion Ratio Lower Upper

75 100

77 35.0 26.6 40.0

110 1.3 30.2 45.4#

