

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049041.D
 Acq On : 11 Jun 2022 09:07
 Operator : SY/MD
 Sample : N3248-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ1

Quant Time: Jun 11 09:43:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

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

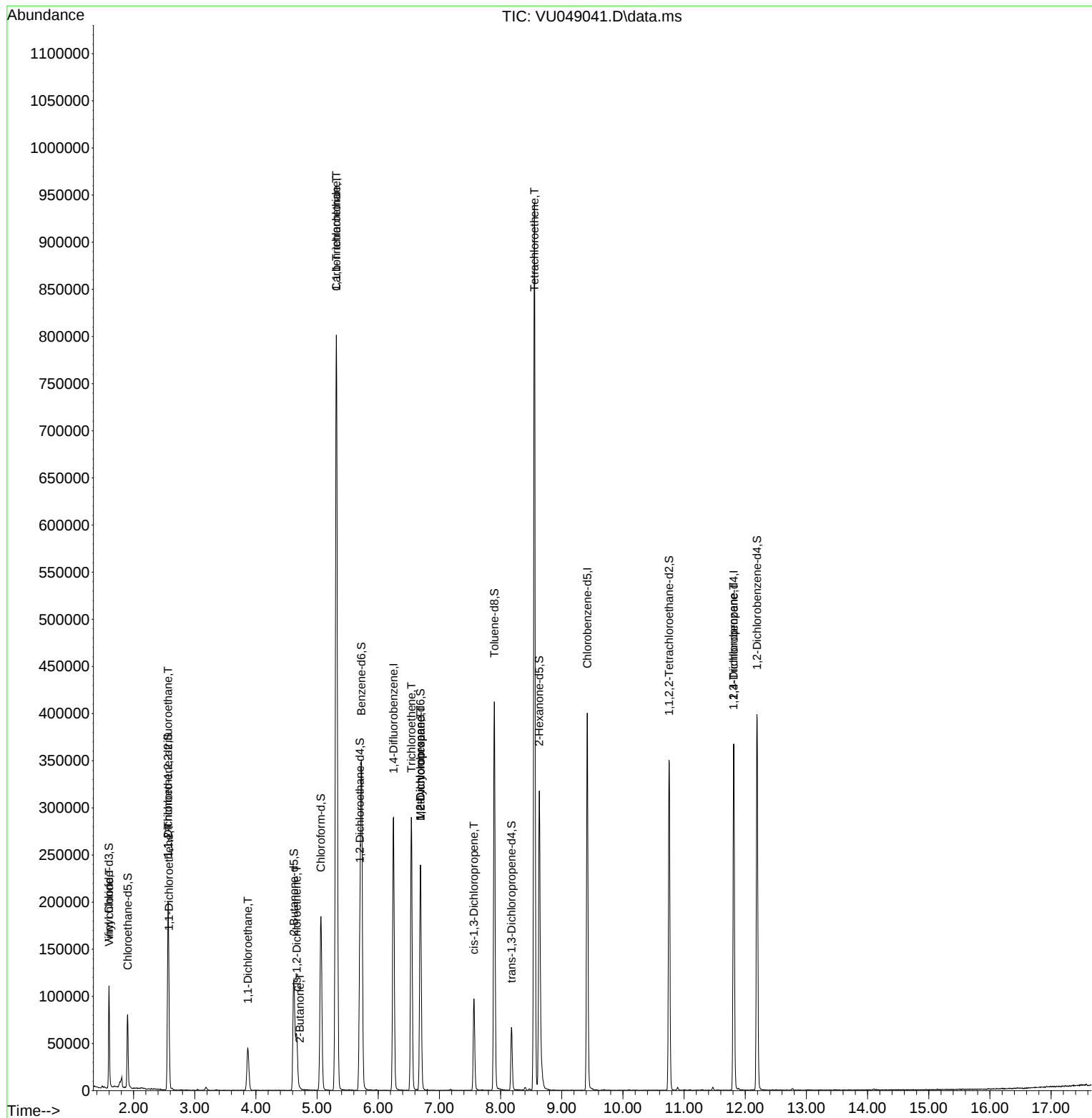
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	235379	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	221401	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	102566	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76199	52.549	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.100%
7) Chloroethane-d5	1.903	69	57305	53.824	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.640%
11) 1,1-Dichloroethene-d2	2.565	63	115263	42.126	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.260%
21) 2-Butanone-d5	4.620	46	170026	106.947	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.950%
24) Chloroform-d	5.063	84	176027	56.906	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.820%
26) 1,2-Dichloroethane-d4	5.700	65	117455	58.609	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.220%
32) Benzene-d6	5.726	84	329396	59.999	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.000%
36) 1,2-Dichloropropane-d6	6.690	67	115825	62.757	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	125.520%#
41) Toluene-d8	7.899	98	273765	56.543	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.080%
43) trans-1,3-Dichloroprop...	8.179	79	38769	44.651	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.300%
47) 2-Hexanone-d5	8.632	63	98237	101.701	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.700%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	172879	56.083	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.160%
66) 1,2-Dichlorobenzene-d4	12.192	152	106568	59.716	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.440%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.600	62	796	0.384	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1081	0.652	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	15040	10.362	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	52213	15.186	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	25700	13.236	ug/L	95
22) 2-Butanone	4.719	43	2058	1.070	ug/L #	59
30) 1,1,1-Trichloroethane	5.314	97	598139	193.722	ug/L	99
31) Carbon tetrachloride	5.314	117	77423	28.671	ug/L	99
34) Trichloroethene	6.542	95	98634	54.553	ug/L	99
35) Methylcyclohexane	6.690	83	27385	10.851	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	12427	6.144	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	2131	0.716	ug/L #	77
46) Tetrachloroethene	8.552	164	206762	147.504	ug/L	98
60) 1,2,3-Trichloropropane	11.809	75	10977	4.219	ug/L #	68

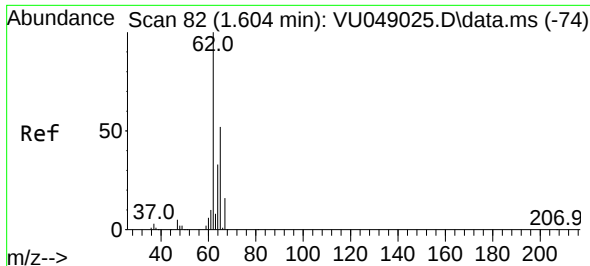
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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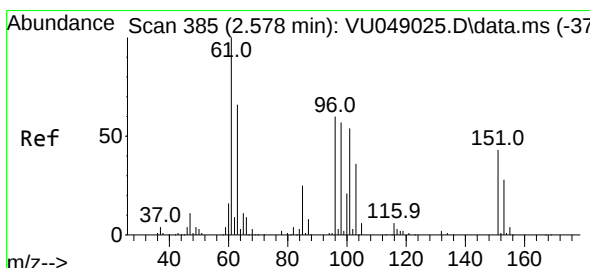
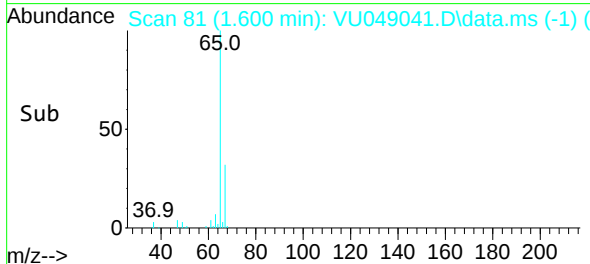
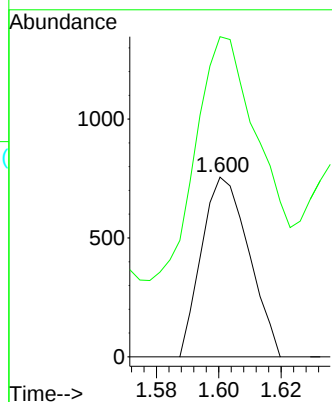
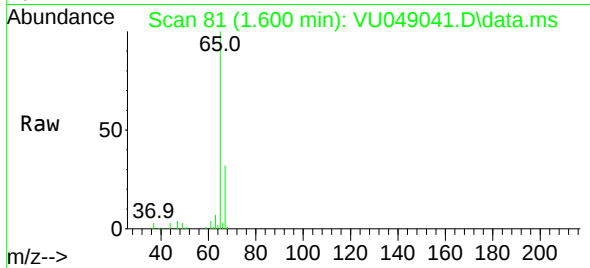




#5
 Vinyl chloride
 Concen: 0.384 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU049041.D
 Acq: 11 Jun 2022 09:07

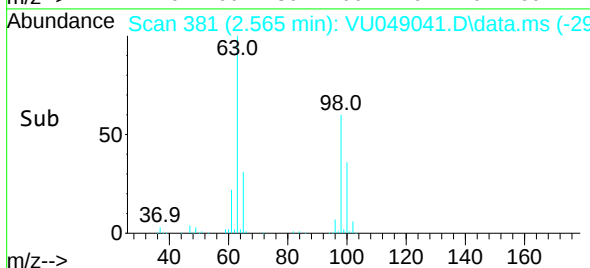
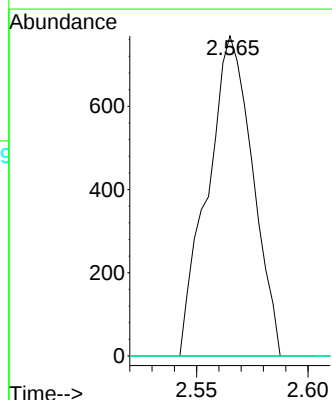
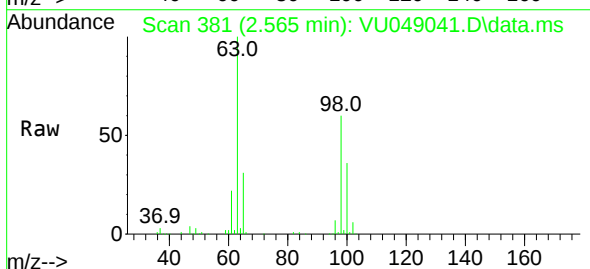
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ1

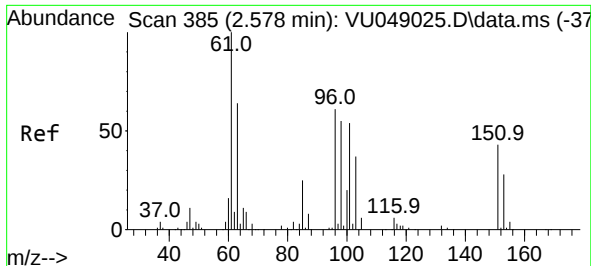
Tgt Ion: 62 Resp: 796
 Ion Ratio Lower Upper
 62 100
 64 178.2 22.7 42.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.652 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU049041.D
 Acq: 11 Jun 2022 09:07

Tgt Ion: 101 Resp: 1081
 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: 10.362 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU049041.D

Acq: 11 Jun 2022 09:07

Instrument :

MSVOA_U

ClientSampleId :

EXYZ1

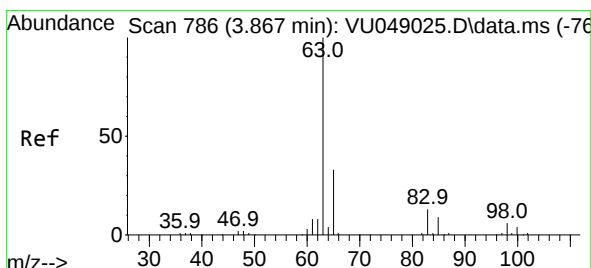
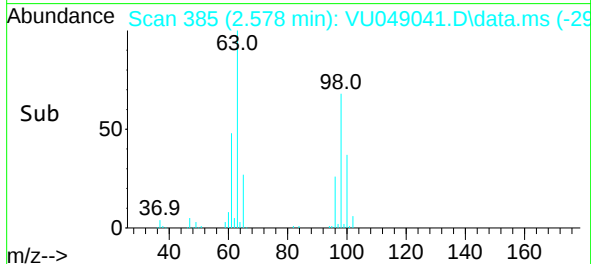
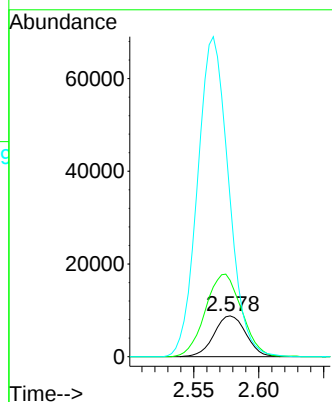
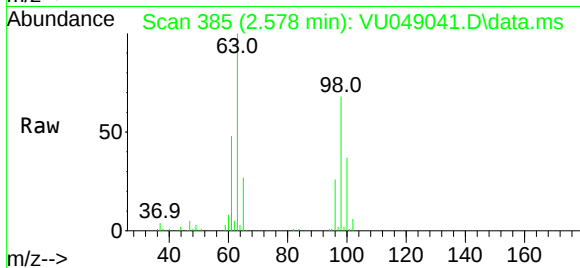
Tgt Ion: 96 Resp: 15040

Ion Ratio Lower Upper

96 100

61 186.7 123.5 229.3

63 387.0 86.0 159.8#



#19

1,1-Dichloroethane

Concen: 15.186 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU049041.D

Acq: 11 Jun 2022 09:07

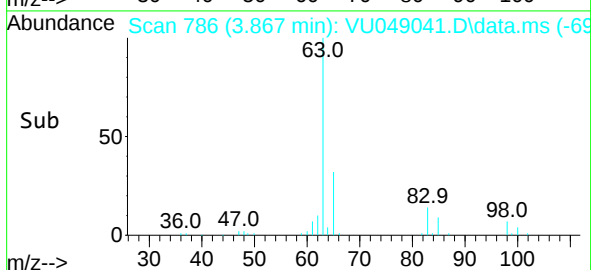
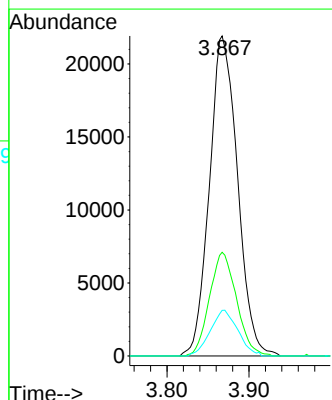
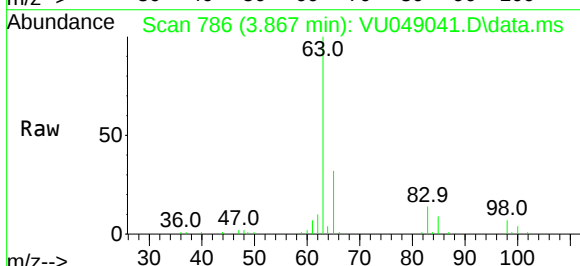
Tgt Ion: 63 Resp: 52213

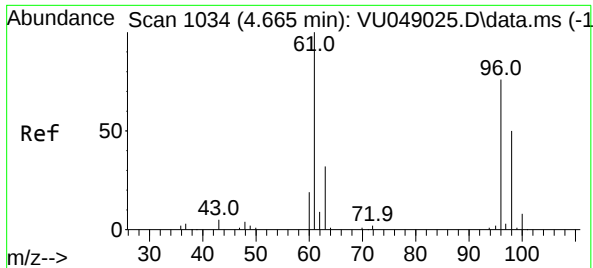
Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

83 14.2 9.5 17.7

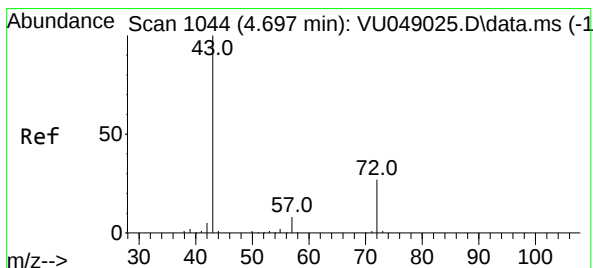
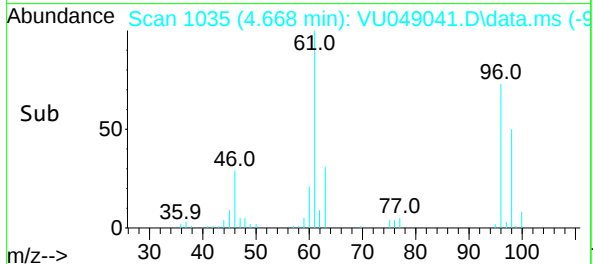
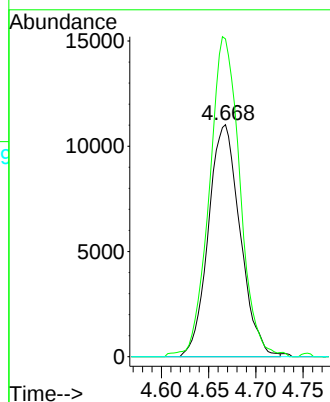
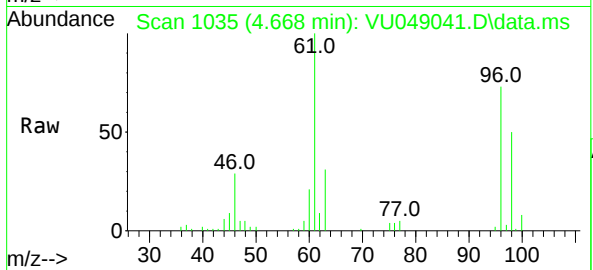




#20
cis-1,2-Dichloroethene
Concen: 13.236 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU049041.D
Acq: 11 Jun 2022 09:07

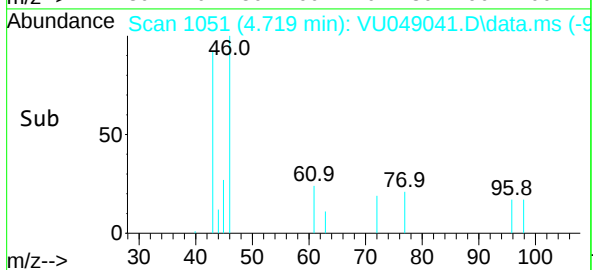
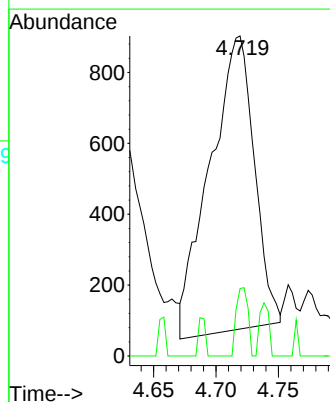
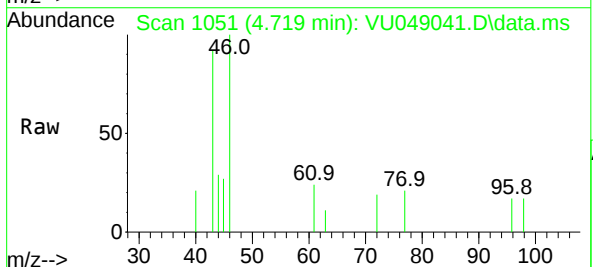
Instrument :
MSVOA_U
ClientSampleId :
XYZ1

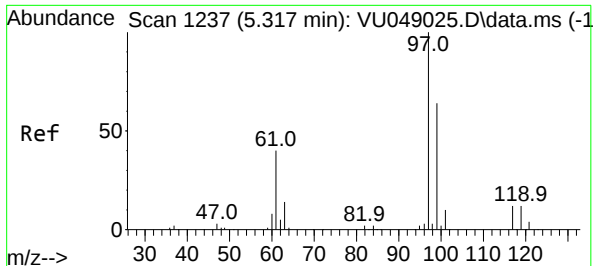
Tgt Ion: 96 Resp: 25700
Ion Ratio Lower Upper
96 100
61 137.0 91.6 170.2
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 1.070 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.022 min
Lab File: VU049041.D
Acq: 11 Jun 2022 09:07

Tgt Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
72 6.1 13.7 41.0#





#30

1,1,1-Trichloroethane

Concen: 193.722 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU049041.D

Acq: 11 Jun 2022 09:07

Instrument :

MSVOA_U

ClientSampleId :

XYZ1

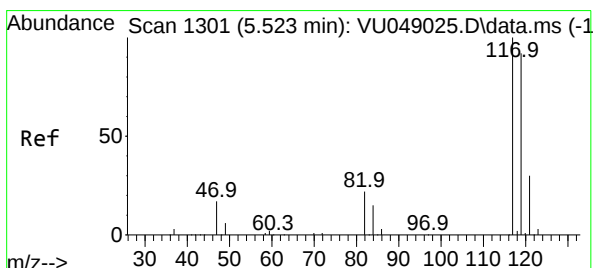
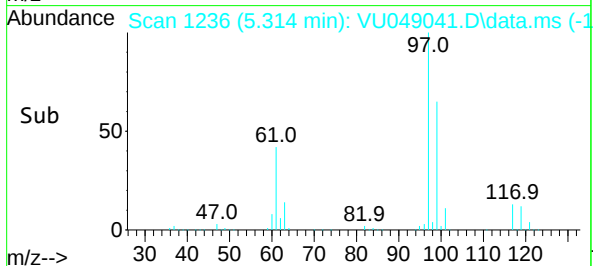
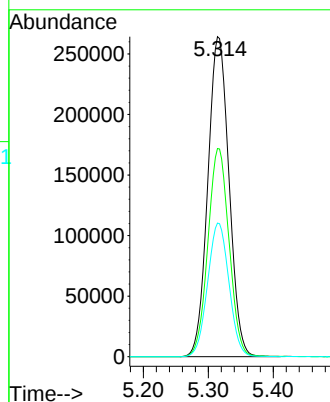
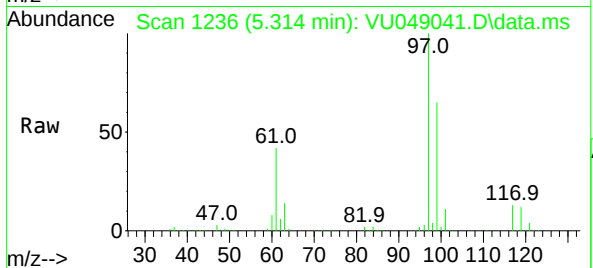
Tgt Ion: 97 Resp: 598139

Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 42.1 34.2 51.2



#31

Carbon tetrachloride

Concen: 28.671 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU049041.D

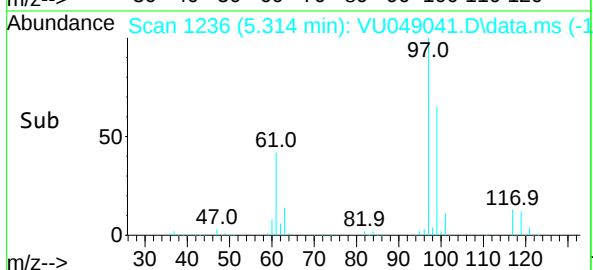
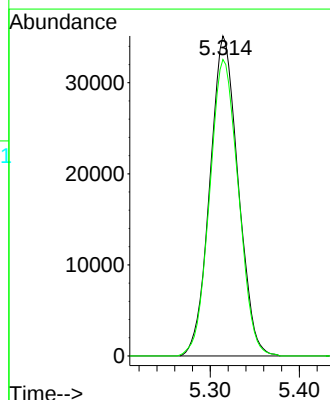
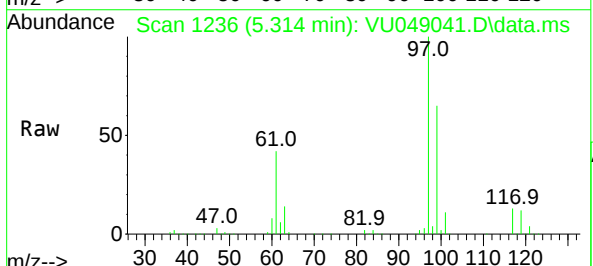
Acq: 11 Jun 2022 09:07

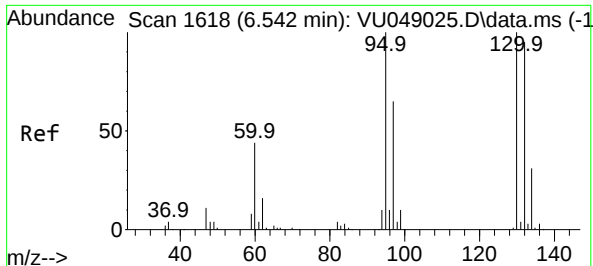
Tgt Ion: 117 Resp: 77423

Ion Ratio Lower Upper

117 100

119 94.3 76.5 114.7

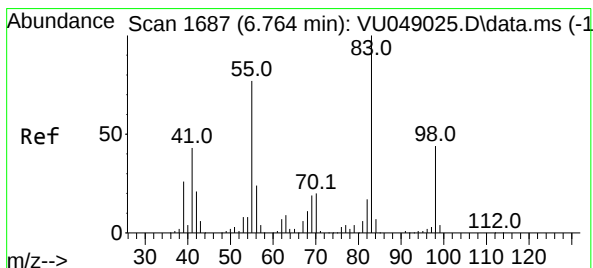
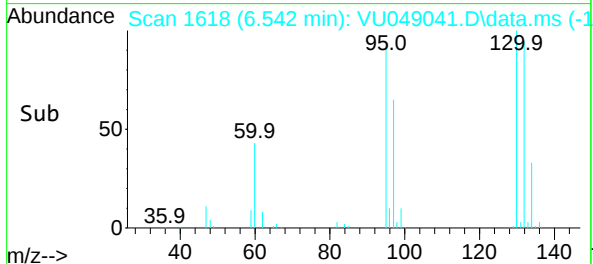
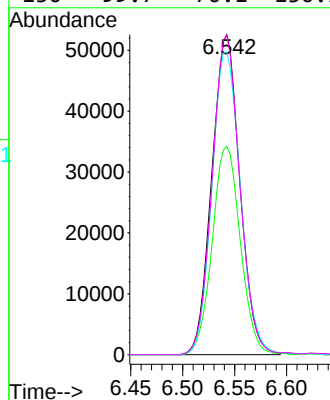
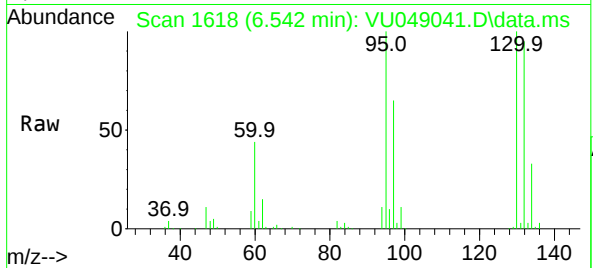




#34
Trichloroethene
Concen: 54.553 ug/L
RT: 6.542 min Scan# 1664
Delta R.T. -0.000 min
Lab File: VU049041.D
Acq: 11 Jun 2022 09:07

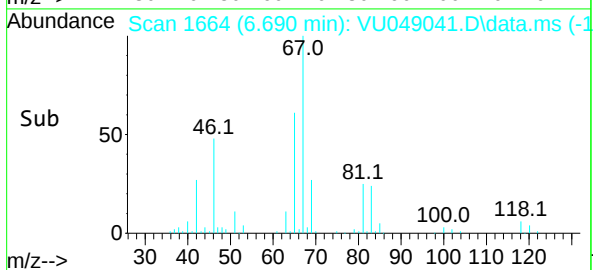
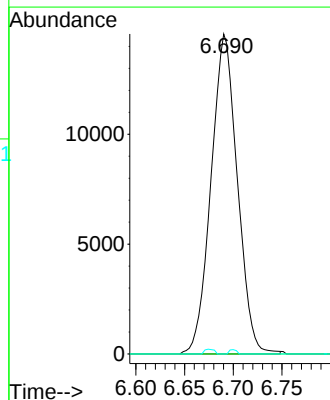
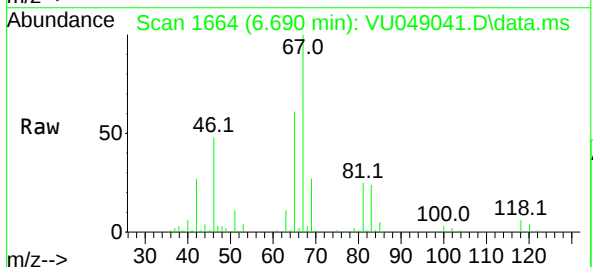
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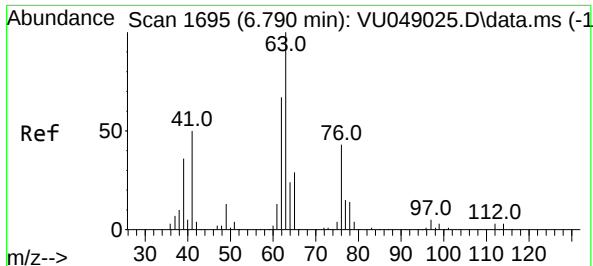
Tgt Ion: 95 Resp: 98634
Ion Ratio Lower Upper
95 100
97 65.1 45.4 84.4
132 94.6 67.6 125.6
130 99.7 70.1 130.3



#35
Methylcyclohexane
Concen: 10.851 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU049041.D
Acq: 11 Jun 2022 09:07

Tgt Ion: 83 Resp: 27385
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.6#
98 0.4 36.8 55.2#





#37

1,2-Dichloropropane

Concen: 6.144 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU049041.D

Acq: 11 Jun 2022 09:07

Instrument :

MSVOA_U

ClientSampleId :

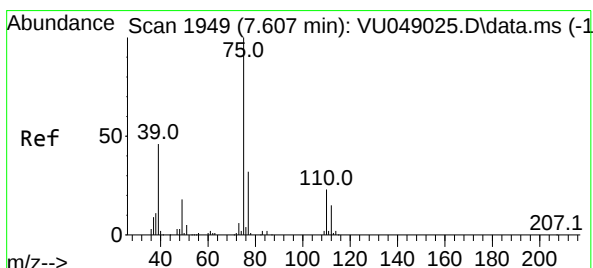
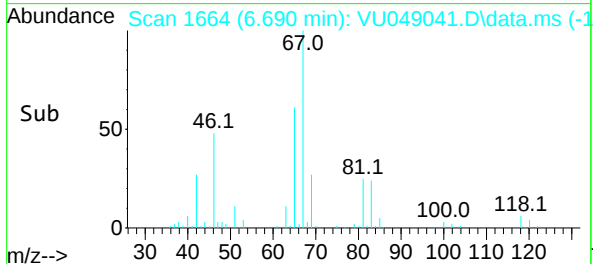
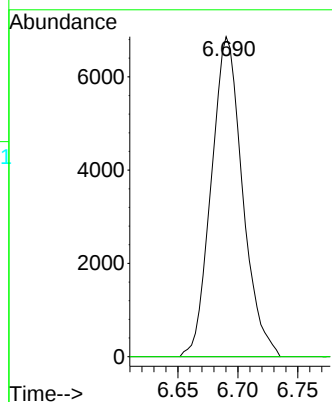
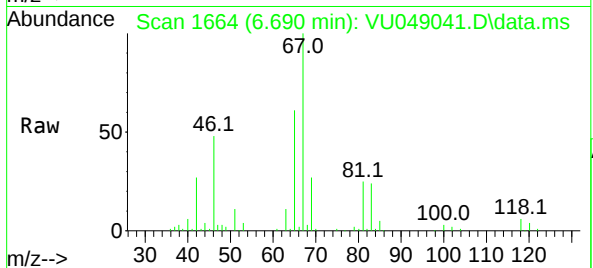
XYZ1

Tgt Ion: 63 Resp: 12427

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.716 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU049041.D

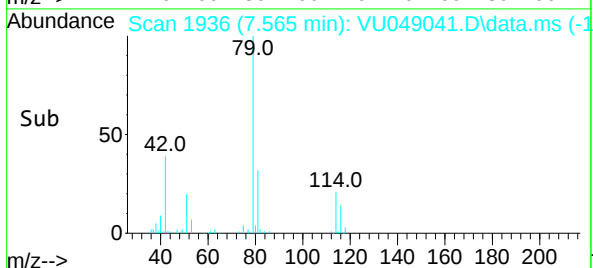
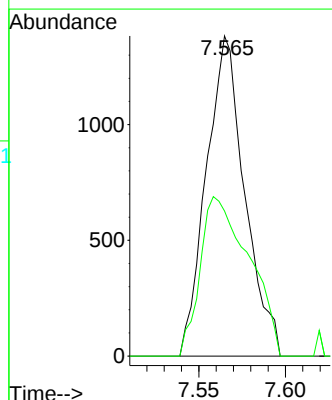
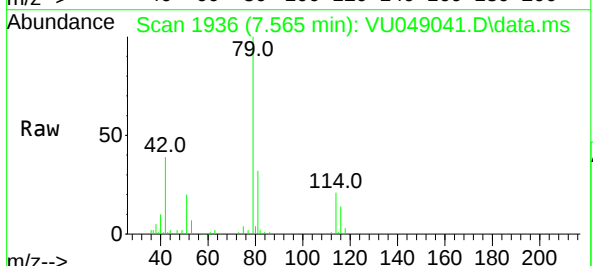
Acq: 11 Jun 2022 09:07

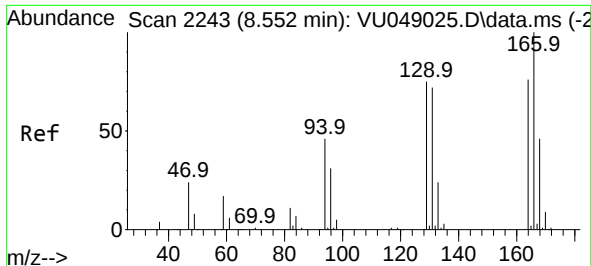
Tgt Ion: 75 Resp: 2131

Ion Ratio Lower Upper

75 100

77 45.3 22.6 42.0#

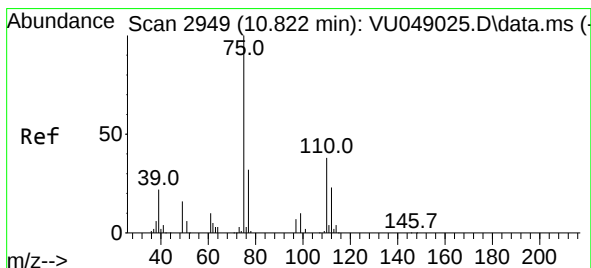
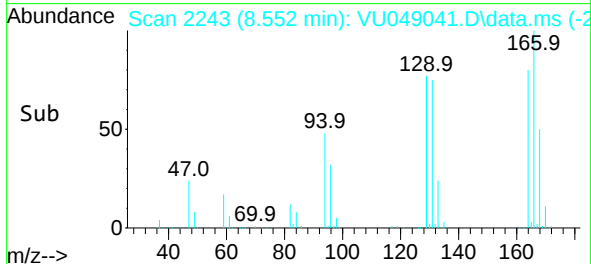
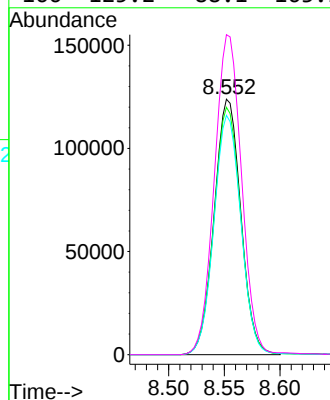
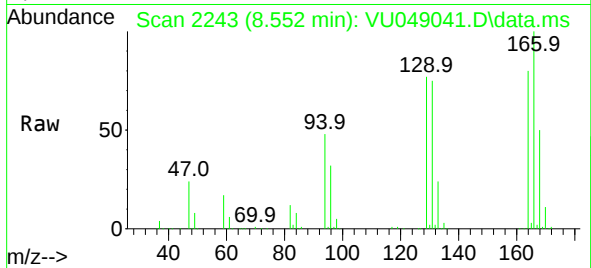




#46
Tetrachloroethene
Concen: 147.504 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049041.D
Acq: 11 Jun 2022 09:07

Instrument :
MSVOA_U
ClientSampleId :
EXYZ1

Tgt Ion:164 Resp: 206762
Ion Ratio Lower Upper
164 100
129 96.8 70.9 131.7
131 93.6 66.2 123.0
166 125.2 88.1 163.5



#60
1,2,3-Trichloropropane
Concen: 4.219 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU049041.D
Acq: 11 Jun 2022 09:07

Tgt Ion: 75 Resp: 10977
Ion Ratio Lower Upper
75 100
77 34.2 26.6 40.0
110 2.5 30.2 45.4#

