

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049031.D
 Acq On : 11 Jun 2022 05:12
 Operator : SY/MD
 Sample : N3249-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW4

Quant Time: Jun 11 07:57:05 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)

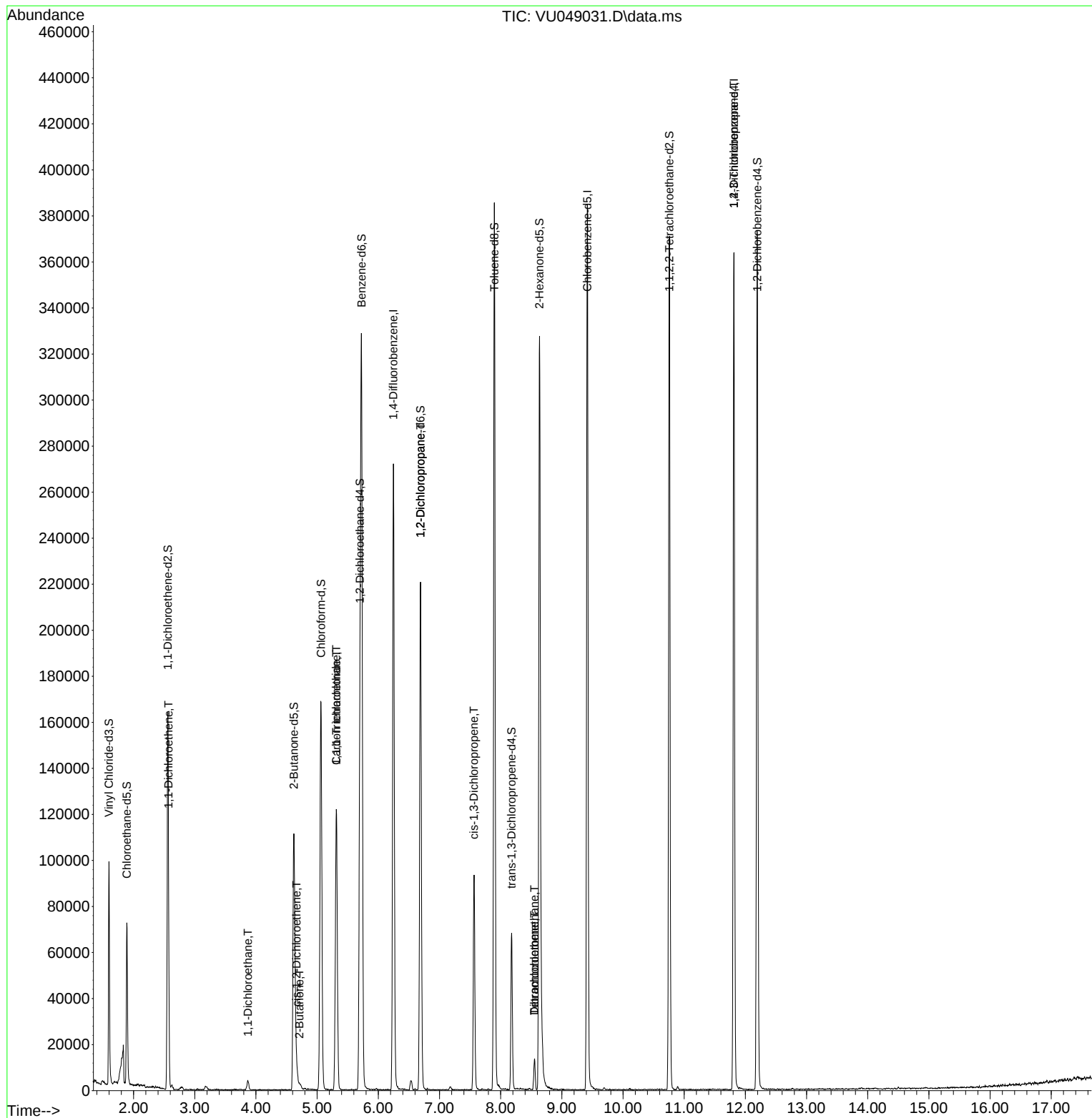
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	219875	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	212805	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99569	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70476	52.030	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 104.060%			
7) Chloroethane-d5	1.890	69	51605	51.888	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.780%			
11) 1,1-Dichloroethene-d2	2.559	63	99913	39.090	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 78.180%			
21) 2-Butanone-d5	4.620	46	165491	111.434	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 111.430%			
24) Chloroform-d	5.063	84	161409	55.859	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 111.720%			
26) 1,2-Dichloroethane-d4	5.700	65	111258	59.431	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 118.860%			
32) Benzene-d6	5.726	84	299668	56.789	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 113.580%			
36) 1,2-Dichloropropane-d6	6.690	67	104932	59.152	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 118.300%			
41) Toluene-d8	7.896	98	253924	54.563	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.120%			
43) trans-1,3-Dichloroprop...	8.179	79	38290	45.881	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.760%			
47) 2-Hexanone-d5	8.632	63	101937	109.794	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 109.790%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	180495	60.919	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 121.840%#			
66) 1,2-Dichlorobenzene-d4	12.195	152	101916	58.828	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 117.660%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.571	96	2897	2.137	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	5028	1.565	ug/L	92
20) cis-1,2-Dichloroethene	4.661	96	1476	0.814	ug/L	92
22) 2-Butanone	4.710	43	1824	1.016	ug/L	81
30) 1,1,1-Trichloroethane	5.314	97	89445	30.139	ug/L	99
31) Carbon tetrachloride	5.314	117	11309	4.357	ug/L	99
37) 1,2-Dichloropropane	6.690	63	11710	6.023	ug/L #	88
39) cis-1,3-Dichloropropene	7.562	75	2264	0.791	ug/L #	33
46) Tetrachloroethene	8.552	164	2960	2.197	ug/L	99
49) Dibromochloromethane	8.552	129	3004	1.432	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	10996	4.354	ug/L #	67

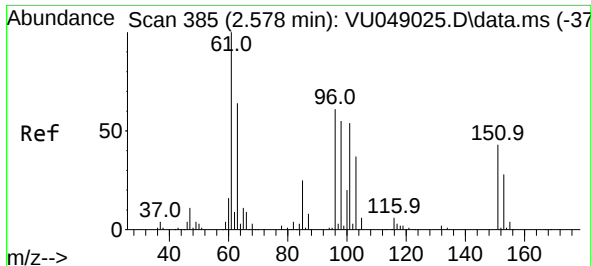
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 2.137 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.006 min

Lab File: VU049031.D

Acq: 11 Jun 2022 05:12

Instrument :

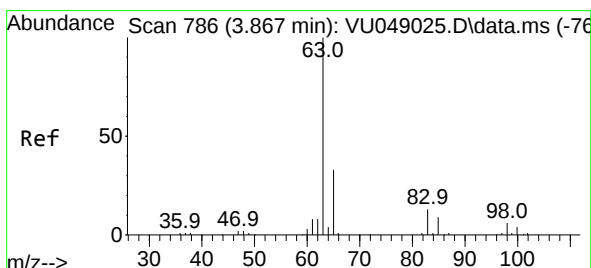
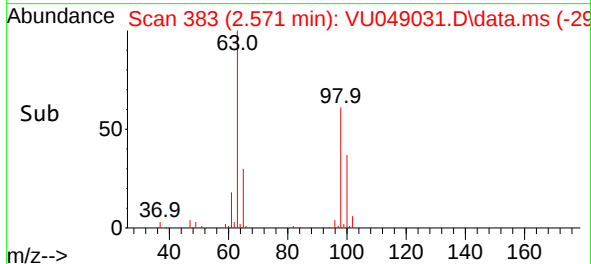
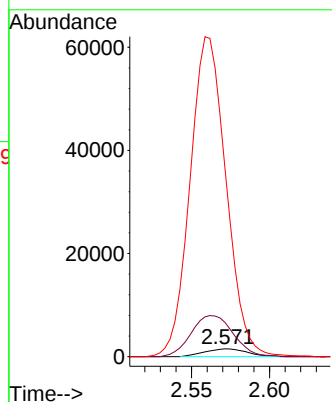
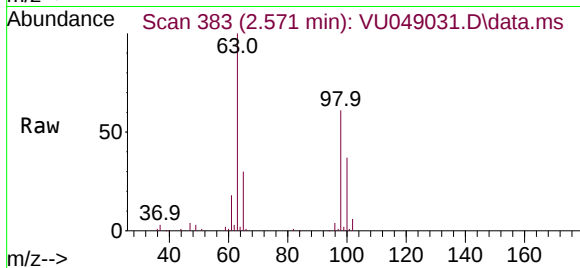
MSVOA_U

ClientSampleId :

EXYW4

Tgt Ion: 96 Resp: 2897

Ion	Ratio	Lower	Upper
96	100		
61	438.8	123.5	229.3#
63	2405.3	86.0	159.8#



#19

1,1-Dichloroethane

Concen: 1.565 ug/L

RT: 3.867 min Scan# 786

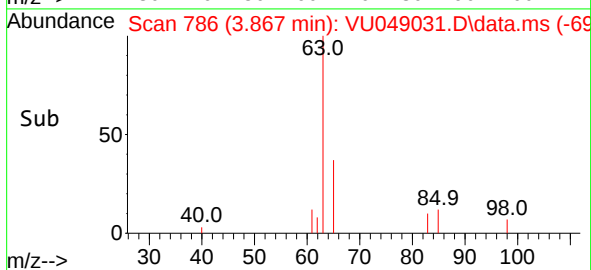
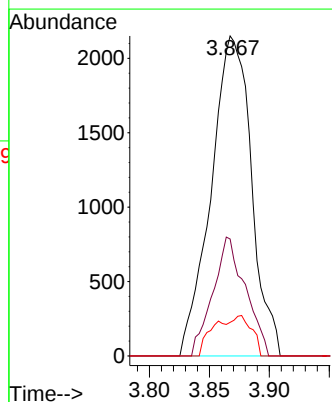
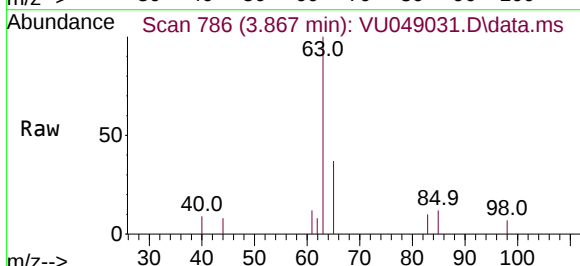
Delta R.T. -0.000 min

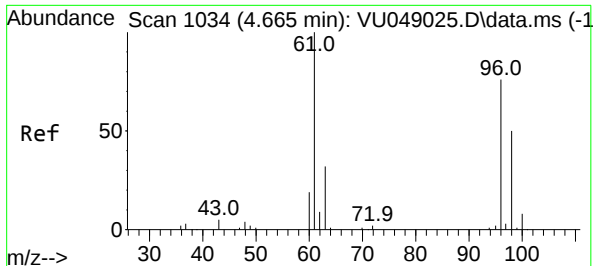
Lab File: VU049031.D

Acq: 11 Jun 2022 05:12

Tgt Ion: 63 Resp: 5028

Ion	Ratio	Lower	Upper
63	100		
65	36.6	22.3	41.5
83	10.5	9.5	17.7





#20

cis-1,2-Dichloroethene

Concen: 0.814 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU049031.D

Acq: 11 Jun 2022 05:12

Instrument :

MSVOA_U

ClientSampleId :

EXYW4

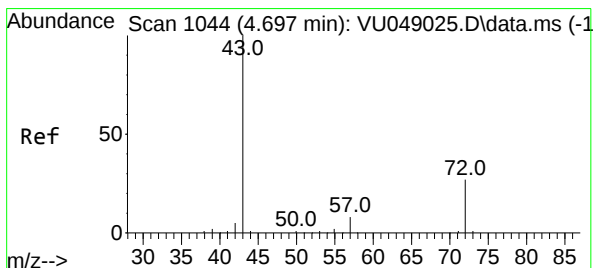
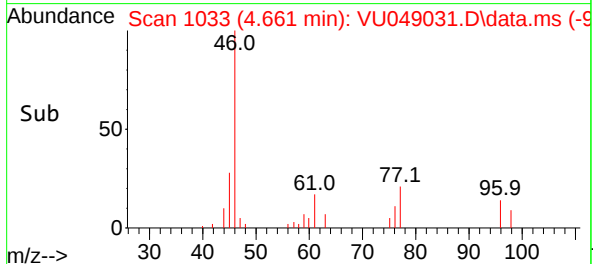
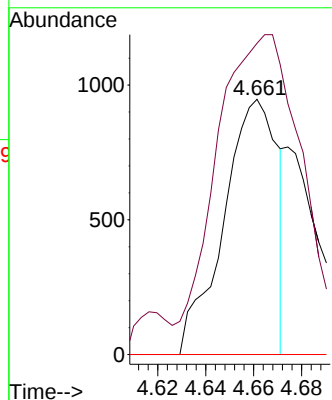
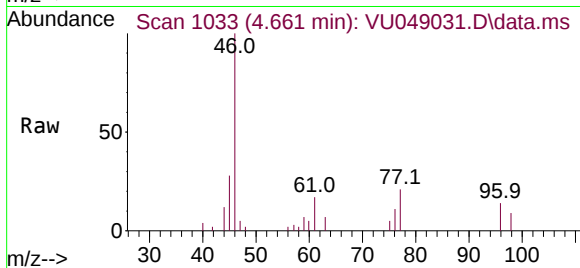
Tgt Ion: 96 Resp: 1476

Ion Ratio Lower Upper

96 100

61 122.0 91.6 170.2

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 1.016 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.013 min

Lab File: VU049031.D

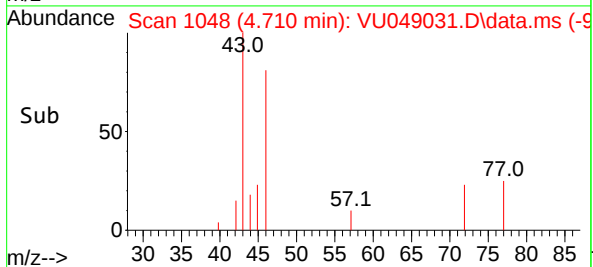
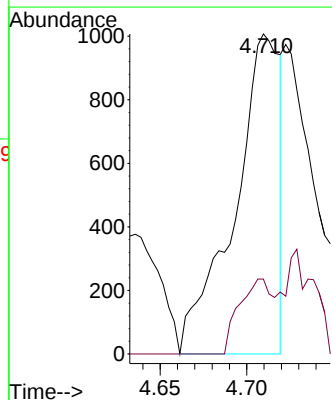
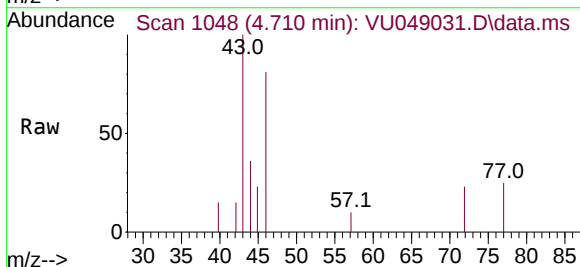
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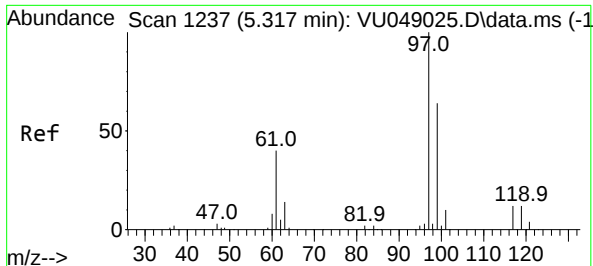
Tgt Ion: 43 Resp: 1824

Ion Ratio Lower Upper

43 100

72 17.3 13.7 41.0





#30

1,1,1-Trichloroethane

Concen: 30.139 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU049031.D

Acq: 11 Jun 2022 05:12

Instrument :

MSVOA_U

ClientSampleId :

EXYW4

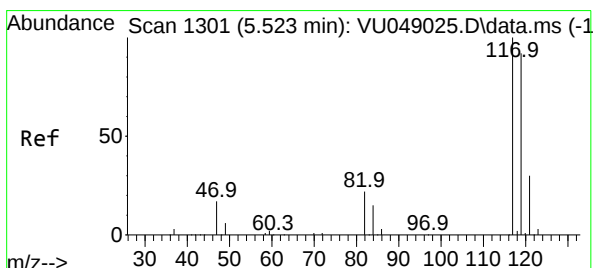
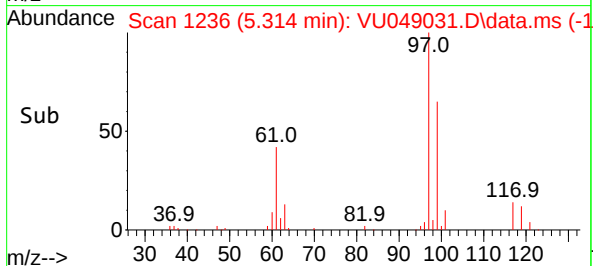
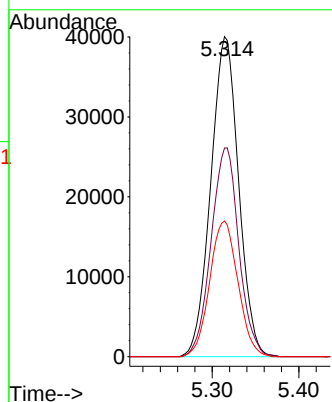
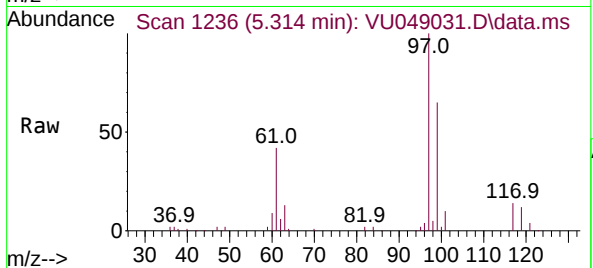
Tgt Ion: 97 Resp: 89445

Ion Ratio Lower Upper

97 100

99 65.2 50.9 76.3

61 43.1 34.2 51.2



#31

Carbon tetrachloride

Concen: 4.357 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU049031.D

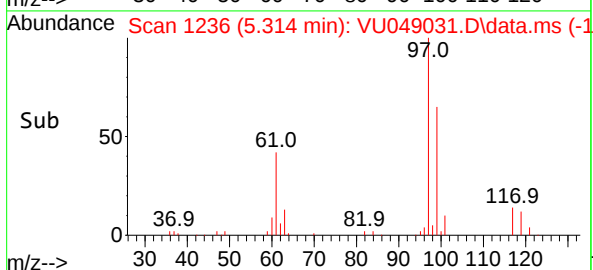
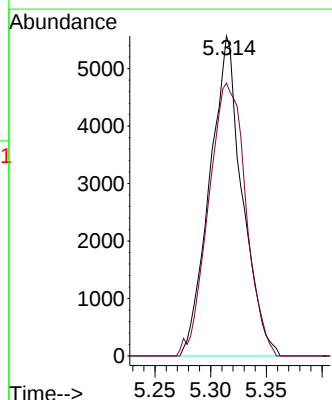
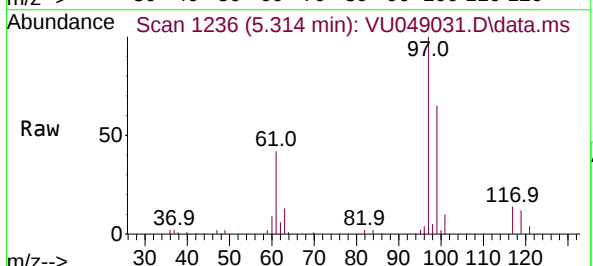
Acq: 11 Jun 2022 05:12

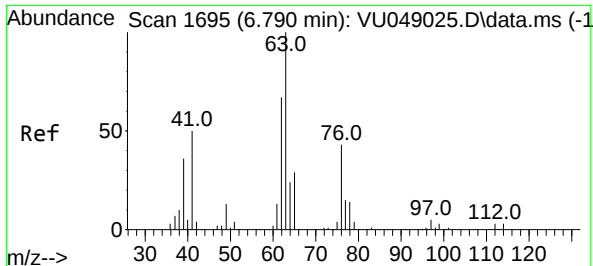
Tgt Ion: 117 Resp: 11309

Ion Ratio Lower Upper

117 100

119 96.6 76.5 114.7





#37

1,2-Dichloropropane

Concen: 6.023 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU049031.D

Acq: 11 Jun 2022 05:12

Instrument :

MSVOA_U

ClientSampleId :

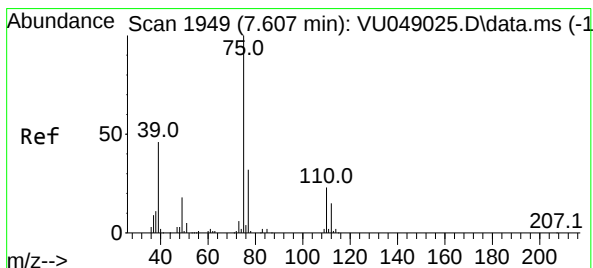
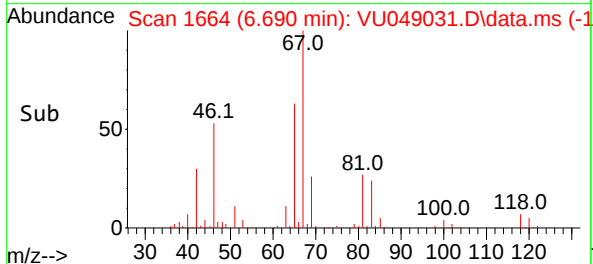
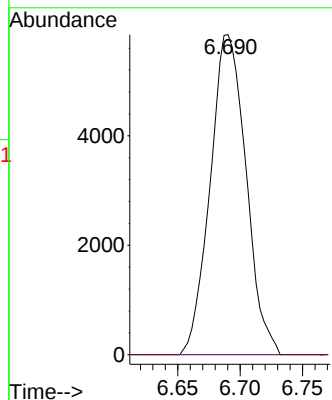
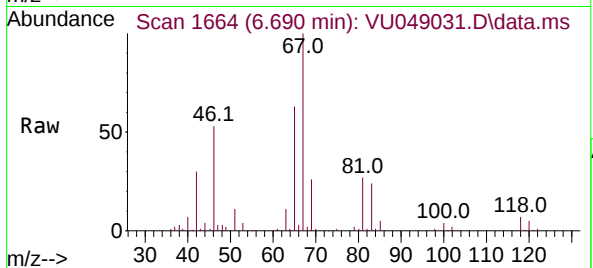
EXYW4

Tgt Ion: 63 Resp: 11710

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.791 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.045 min

Lab File: VU049031.D

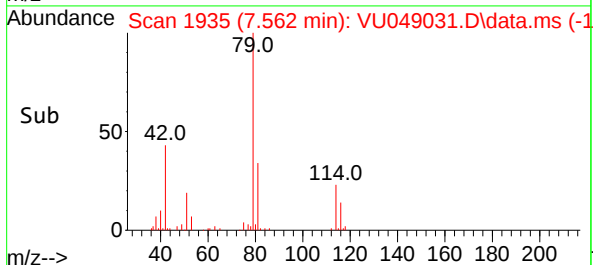
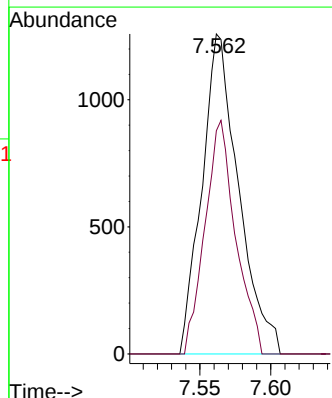
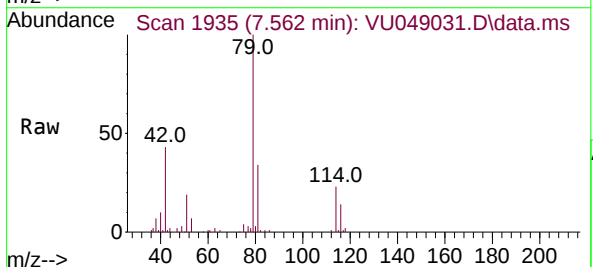
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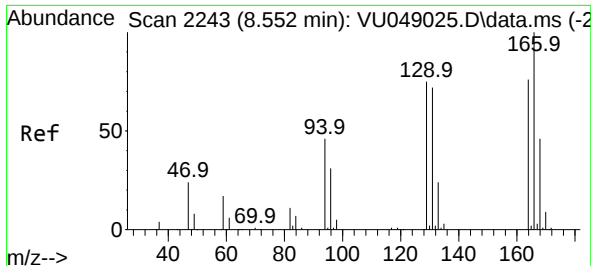
Tgt Ion: 75 Resp: 2264

Ion Ratio Lower Upper

75 100

77 69.7 22.6 42.0#

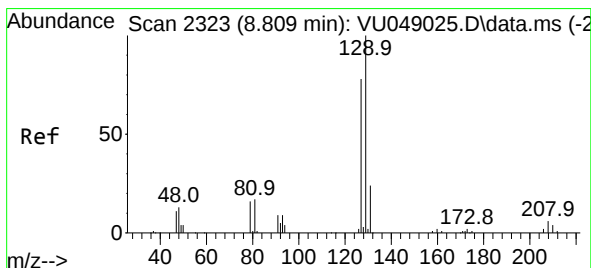
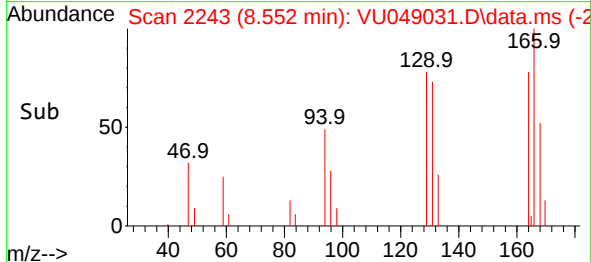
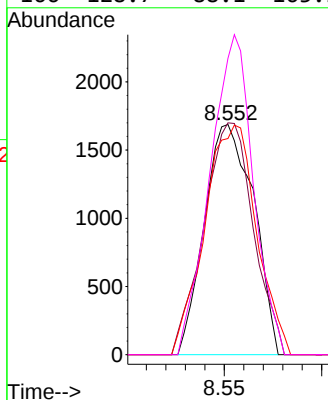
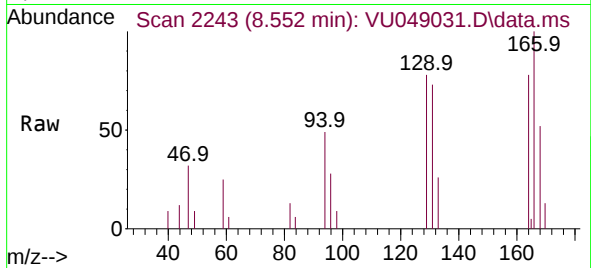




#46
Tetrachloroethene
Concen: 2.197 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU049031.D
Acq: 11 Jun 2022 05:12

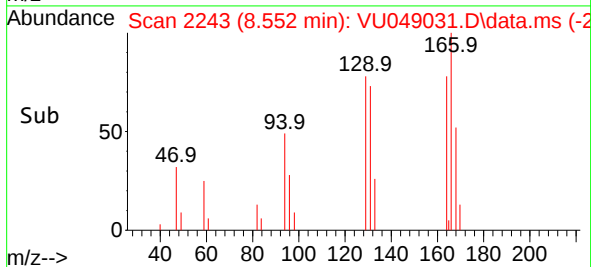
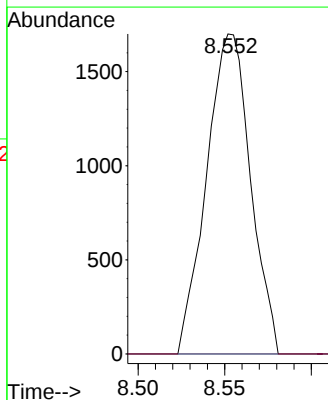
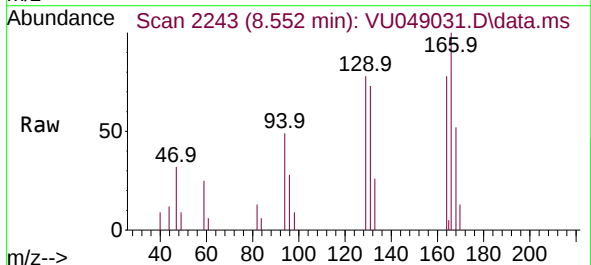
Instrument :
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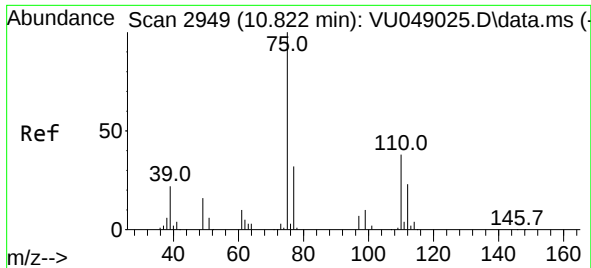
Tgt Ion:164 Resp: 2960
Ion Ratio Lower Upper
164 100
129 100.7 70.9 131.7
131 93.9 66.2 123.0
166 128.7 88.1 163.5



#49
Dibromochloromethane
Concen: 1.432 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU049031.D
Acq: 11 Jun 2022 05:12

Tgt Ion:129 Resp: 3004
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#





#60
 1,2,3-Trichloropropane
 Concen: 4.354 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU049031.D
 Acq: 11 Jun 2022 05:12

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYW4

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.6	40.0
110	2.5	30.2	45.4

