

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049032.D
 Acq On : 11 Jun 2022 05:36
 Operator : SY/MD
 Sample : N3249-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX2

Quant Time: Jun 11 07:57:20 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	211342	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207037	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89068	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68230	52.405	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	104.820%	
7) Chloroethane-d5	1.903	69	51784	54.170	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	108.340%	
11) 1,1-Dichloroethene-d2	2.565	63	99038	40.313	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	80.620%	
21) 2-Butanone-d5	4.620	46	149000	104.381	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	104.380%	
24) Chloroform-d	5.060	84	155869	56.120	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	112.240%	
26) 1,2-Dichloroethane-d4	5.700	65	107014	59.472	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	118.940%	
32) Benzene-d6	5.726	84	281528	54.838	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	109.680%	
36) 1,2-Dichloropropane-d6	6.690	67	97246	56.346	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	112.700%	
41) Toluene-d8	7.899	98	235532	52.021	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	104.040%	
43) trans-1,3-Dichloroprop...	8.179	79	35158	43.301	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	86.600%	
47) 2-Hexanone-d5	8.633	63	81494	90.221	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	90.220%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	153120	53.120	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	106.240%	
66) 1,2-Dichlorobenzene-d4	12.195	152	94483	60.967	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	121.940%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.588	50	4891	2.488	ug/L	88
5) Vinyl chloride	1.604	62	1911	1.025	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1005	0.675	ug/L #	19
12) 1,1-Dichloroethene	2.578	96	5585	4.285	ug/L #	1
13) Acetone	2.626	43	3311	2.948	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	783	0.546	ug/L	86
19) 1,1-Dichloroethane	3.867	63	80748	26.156	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	19647	11.269	ug/L	91
27) 1,2-Dichloroethane	5.793	62	7124	2.720	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	43126	14.936	ug/L	98
31) Carbon tetrachloride	5.321	117	5645	2.235	ug/L	98
33) Benzene	5.774	78	25108	3.743	ug/L	100
34) Trichloroethene	6.539	95	5332	3.154	ug/L	90
37) 1,2-Dichloropropane	6.690	63	11435	6.046	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1840	0.661	ug/L #	79
44) trans-1,3-Dichloropropene	8.182	75	1784	0.647	ug/L	99
46) Tetrachloroethene	8.555	164	4821	3.678	ug/L	97
49) Dibromochloromethane	8.552	129	4232	2.074	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	9073	4.016	ug/L #	63

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Response via : Initial Calibration

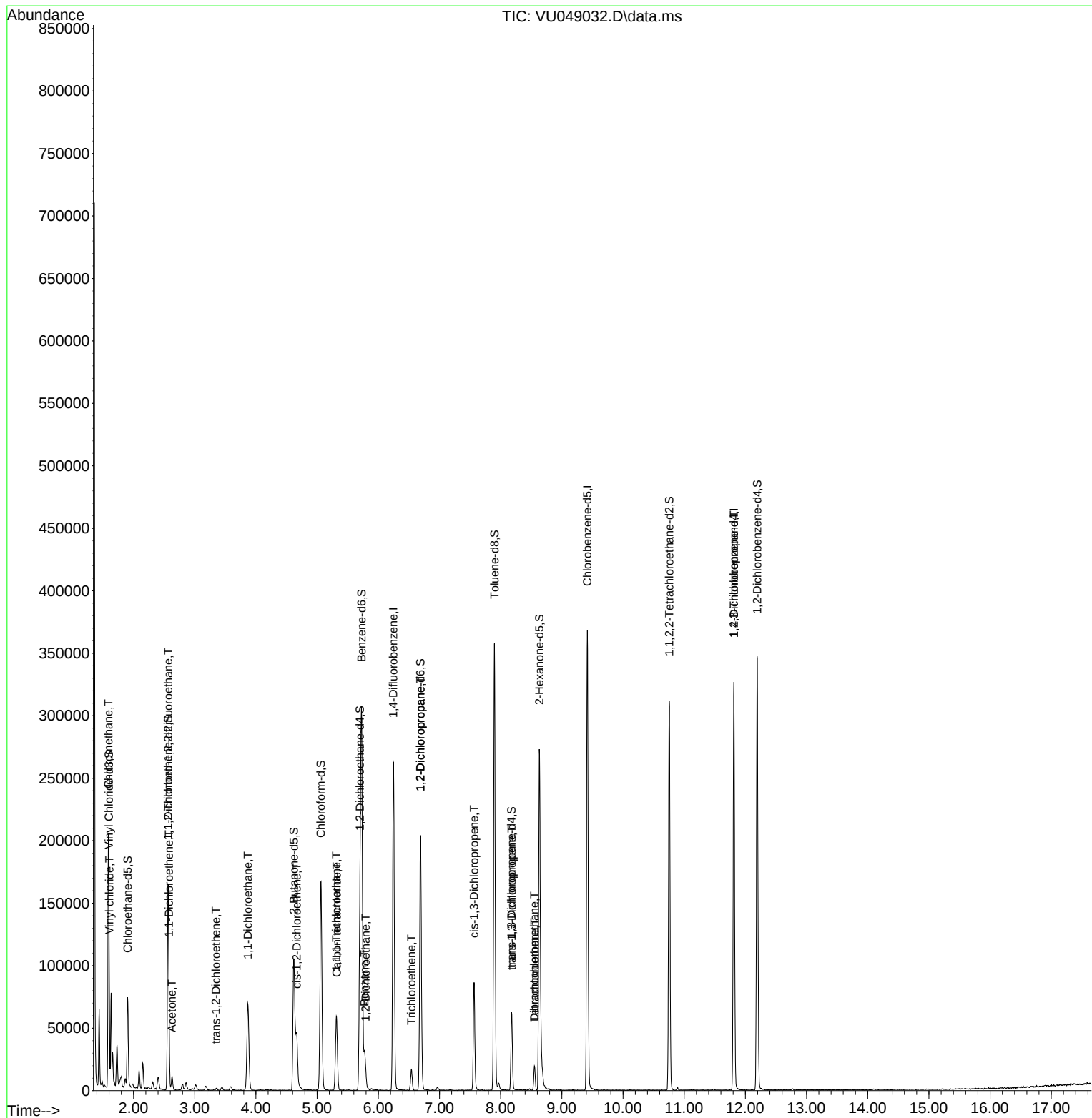
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

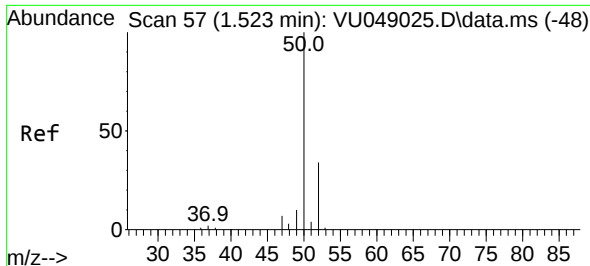
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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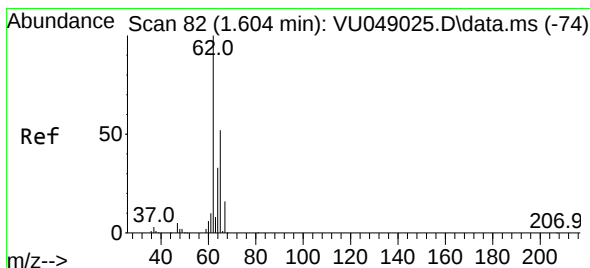
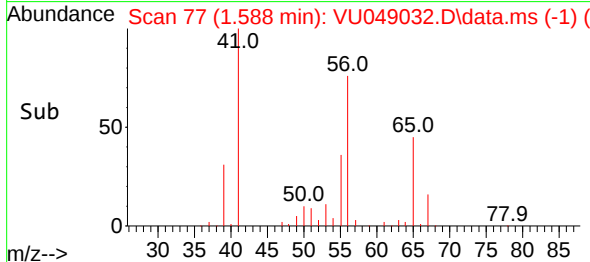
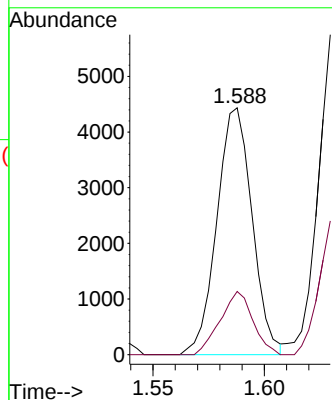
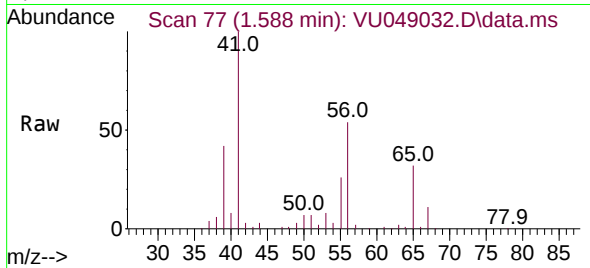




#3
Chloromethane
Concen: 2.488 ug/L
RT: 1.588 min Scan# 71
Delta R.T. 0.065 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

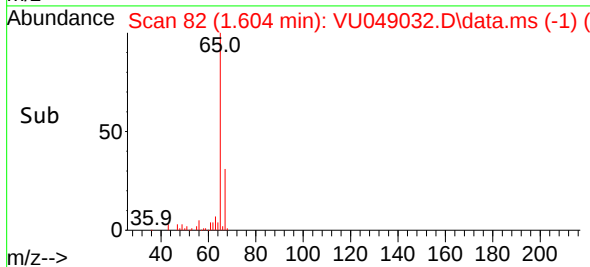
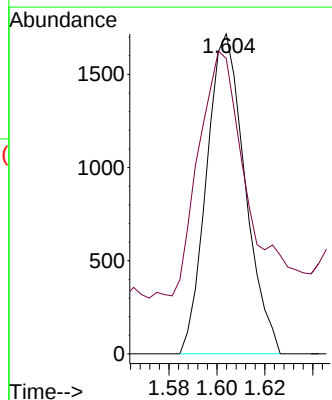
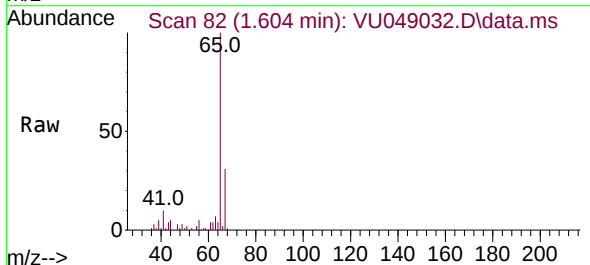
Instrument :
MSVOA_U
ClientSampleId :
EXYX2

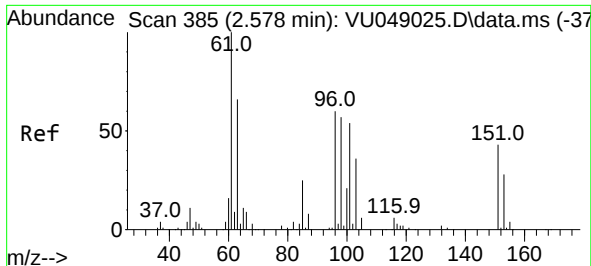
Tgt Ion: 50 Resp: 4891
Ion Ratio Lower Upper
50 100
52 25.6 22.7 42.1



#5
Vinyl chloride
Concen: 1.025 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

Tgt Ion: 62 Resp: 1911
Ion Ratio Lower Upper
62 100
64 92.3 22.7 42.3#

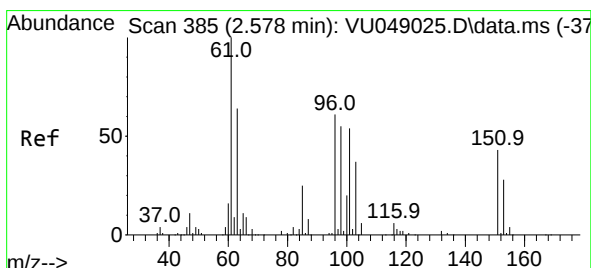
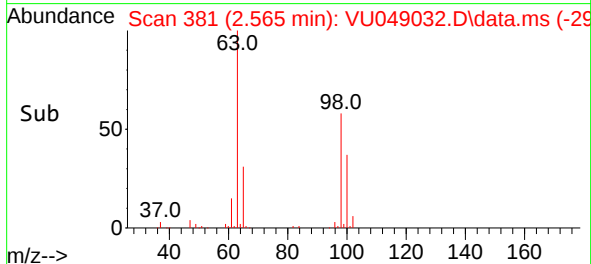
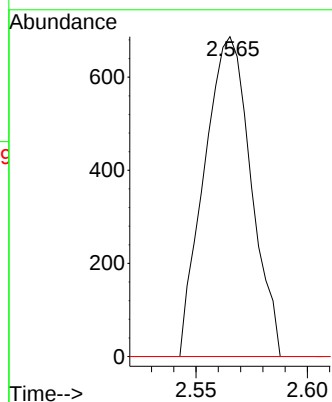
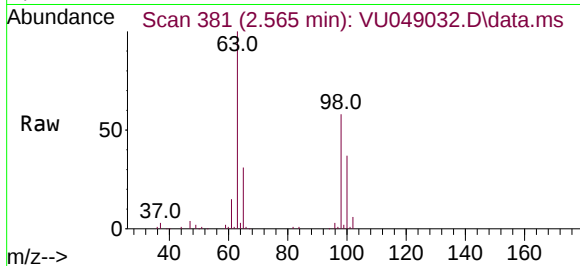




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.675 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

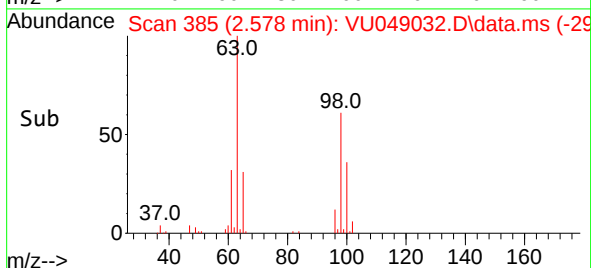
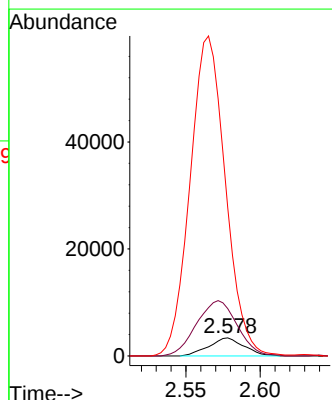
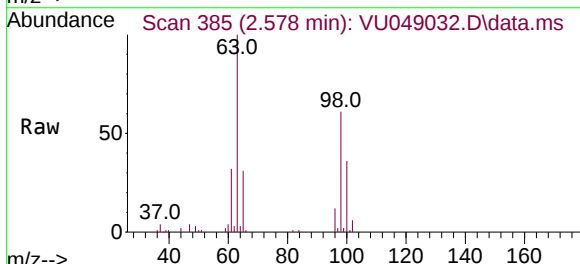
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX2

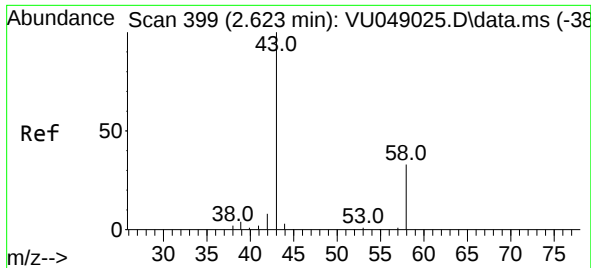
Tgt Ion:101 Resp: 1005
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.2 52.8#
 151 0.0 61.4 92.2#



#12
 1,1-Dichloroethene
 Concen: 4.285 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

Tgt Ion: 96 Resp: 5585
 Ion Ratio Lower Upper
 96 100
 61 260.6 123.5 229.3#
 63 817.9 86.0 159.8#





#13

Acetone

Concen: 2.948 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

Instrument :

MSVOA_U

ClientSampleId :

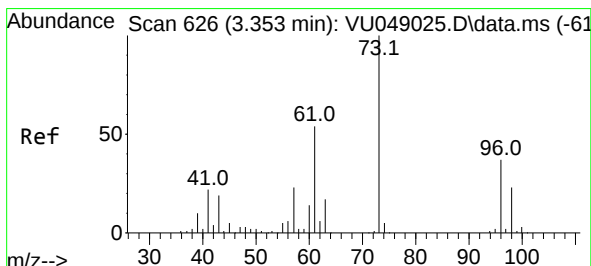
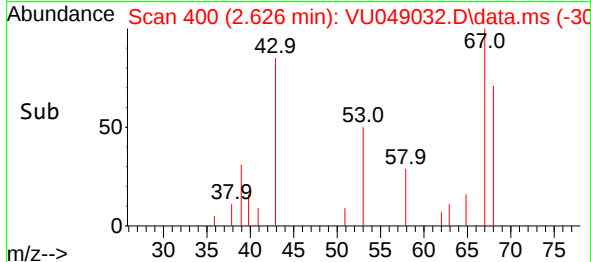
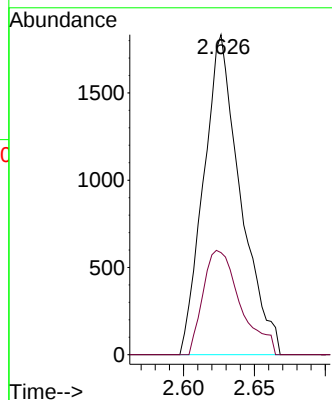
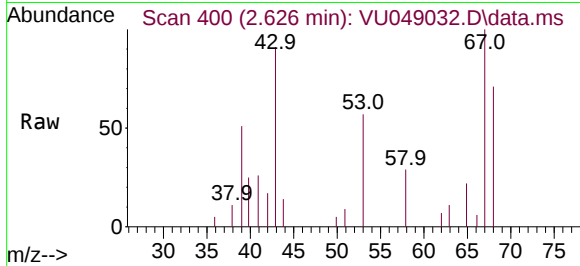
EXYX2

Tgt Ion: 43 Resp: 3311

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.4



#17

trans-1,2-Dichloroethene

Concen: 0.546 ug/L

RT: 3.347 min Scan# 624

Delta R.T. -0.006 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

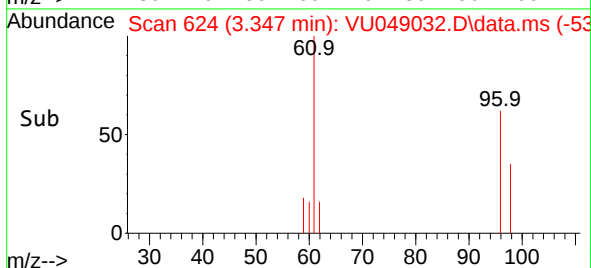
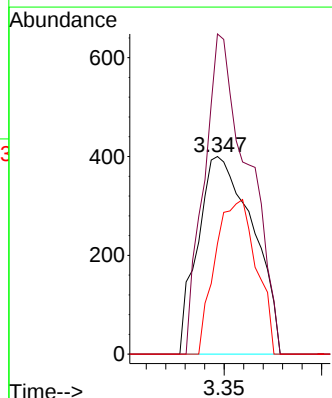
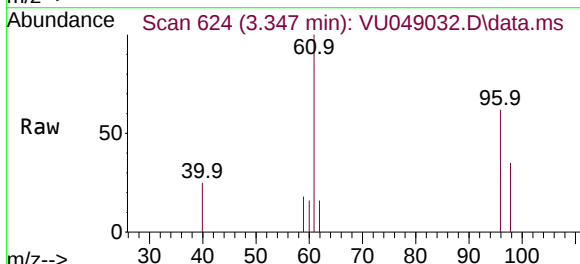
Tgt Ion: 96 Resp: 783

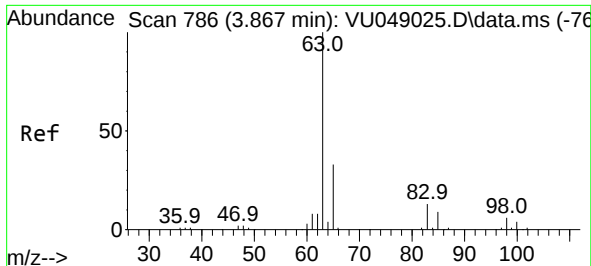
Ion Ratio Lower Upper

96 100

61 162.0 99.3 184.3

98 56.0 44.7 83.1

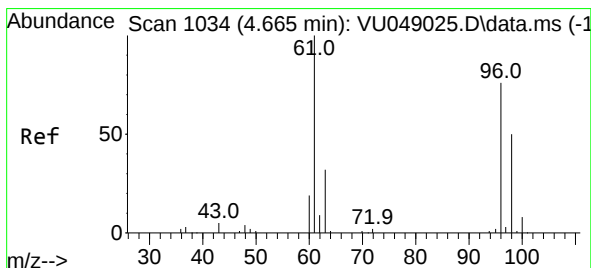
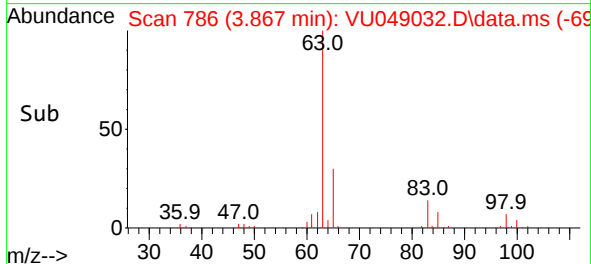
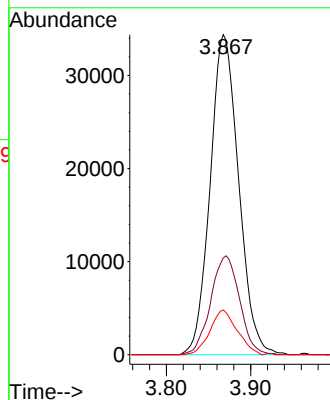
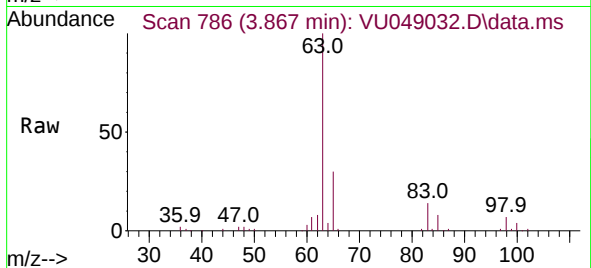




#19
 1,1-Dichloroethane
 Concen: 26.156 ug/L
 RT: 3.867 min Scan# 786
 Delta R.T. 0.000 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

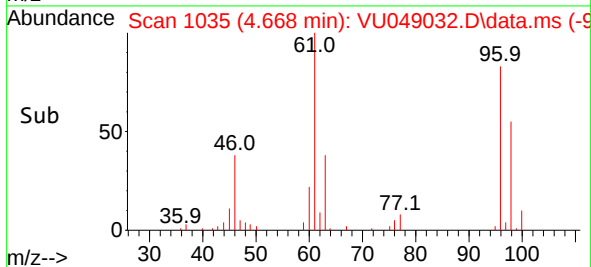
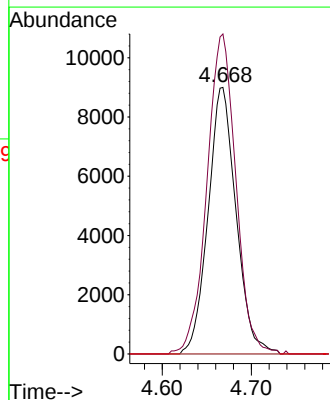
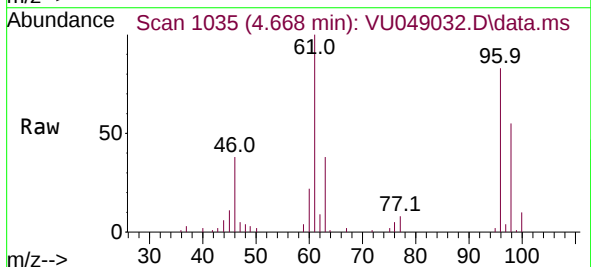
Instrument :
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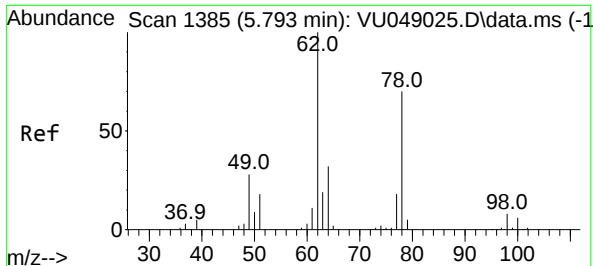
Tgt Ion: 63 Resp: 80748
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.3 41.5
 83 14.0 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 11.269 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

Tgt Ion: 96 Resp: 19647
 Ion Ratio Lower Upper
 96 100
 61 120.0 91.6 170.2
 68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 2.720 ug/L

RT: 5.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

Instrument :

MSVOA_U

ClientSampleId :

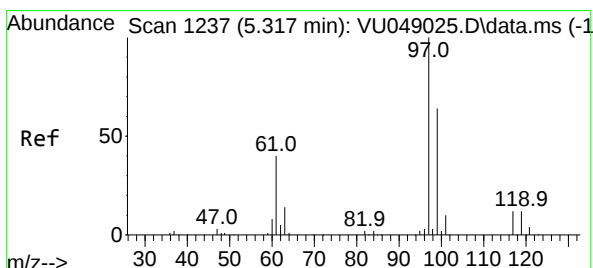
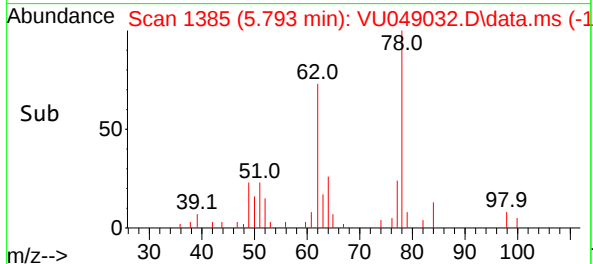
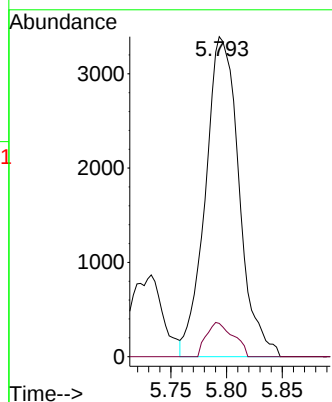
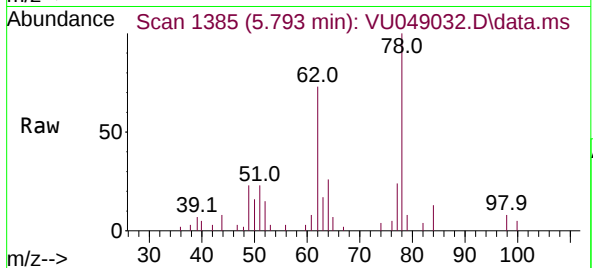
EXYX2

Tgt Ion: 62 Resp: 7124

Ion Ratio Lower Upper

62 100

98 10.4 7.0 10.4



#30

1,1,1-Trichloroethane

Concen: 14.936 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

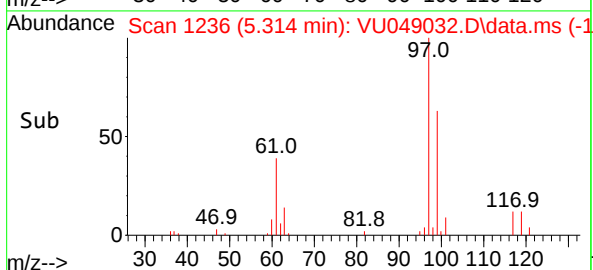
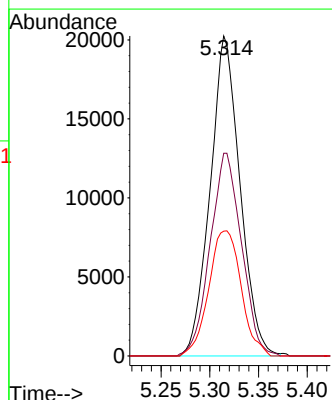
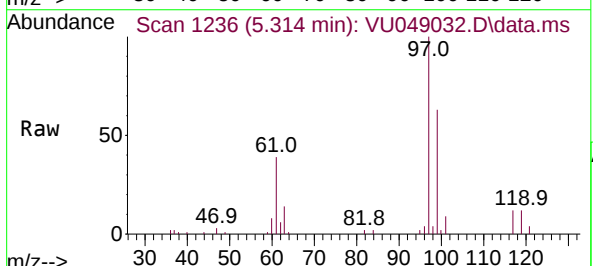
Tgt Ion: 97 Resp: 43126

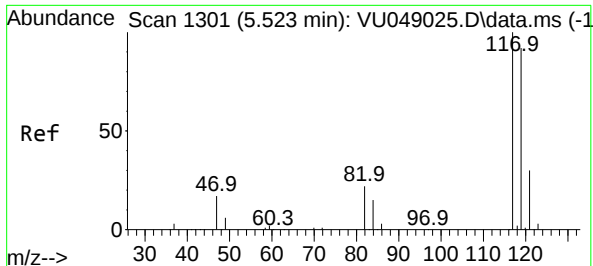
Ion Ratio Lower Upper

97 100

99 66.4 50.9 76.3

61 42.5 34.2 51.2

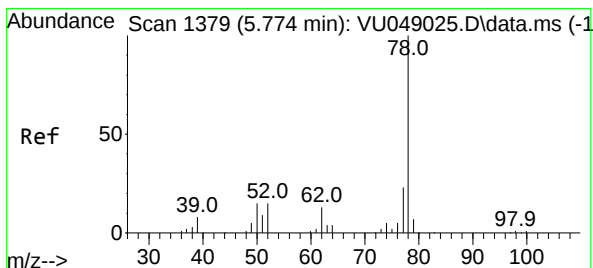
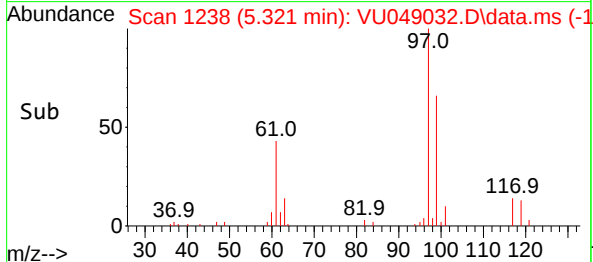
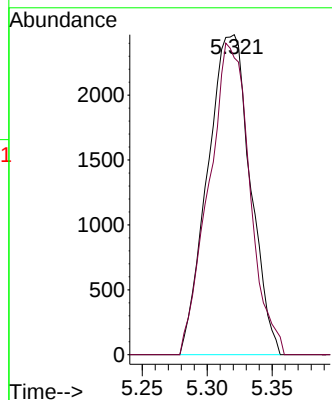
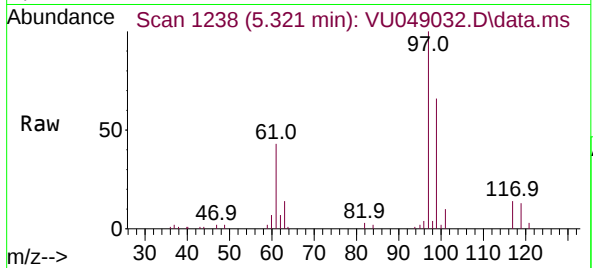




#31
Carbon tetrachloride
Concen: 2.235 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.202 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

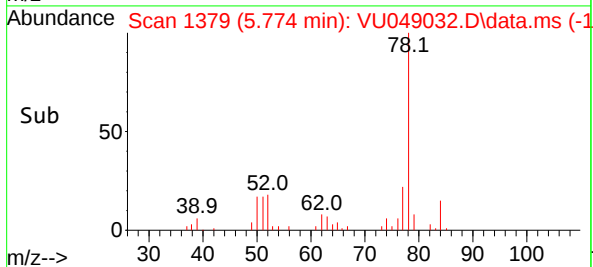
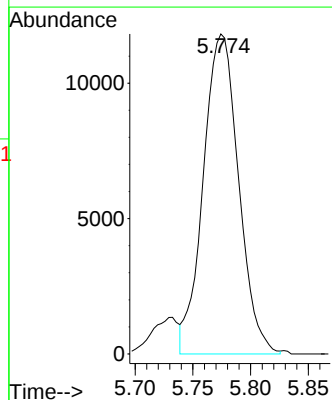
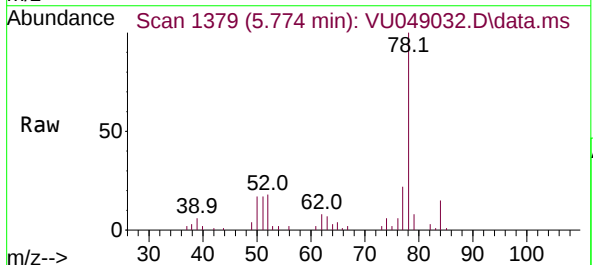
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EXYX2

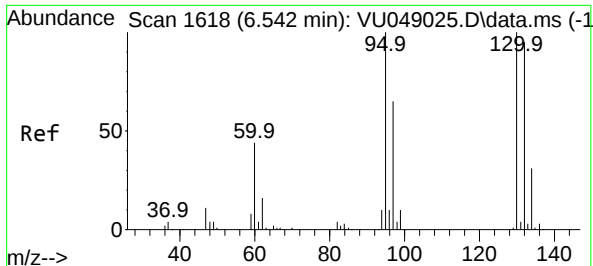
Tgt Ion:117 Resp: 5645
Ion Ratio Lower Upper
117 100
119 93.2 76.5 114.7



#33
Benzene
Concen: 3.743 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

Tgt Ion: 78 Resp: 25108



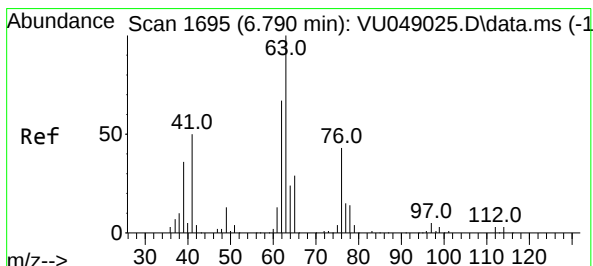
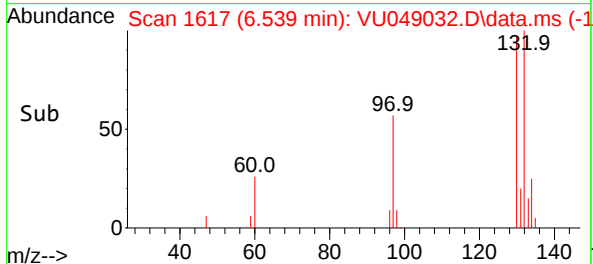
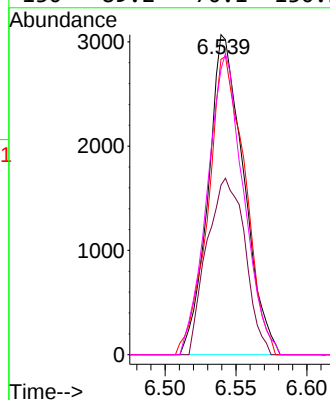
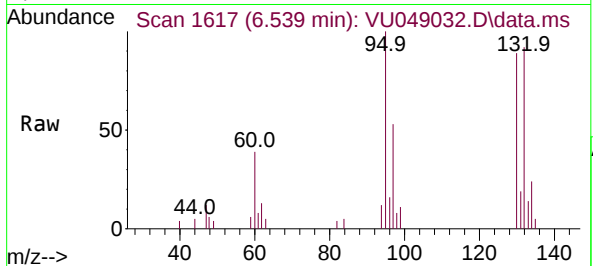


#34
Trichloroethene
Concen: 3.154 ug/L
RT: 6.539 min Scan# 1664
Delta R.T. -0.003 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

Instrument :
MSVOA_U
ClientSampleId :
EXYX2

Tgt Ion: 95 Resp: 5332

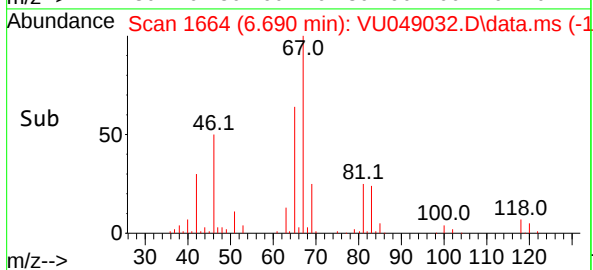
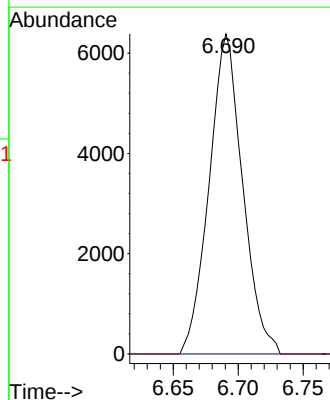
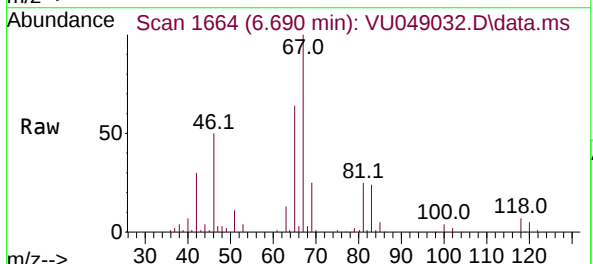
Ion	Ratio	Lower	Upper
95	100		
97	53.0	45.4	84.4
132	92.3	67.6	125.6
130	89.2	70.1	130.3

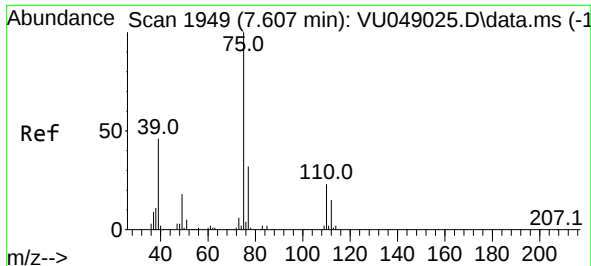


#37
1,2-Dichloropropane
Concen: 6.046 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.099 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

Tgt Ion: 63 Resp: 11435

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU049032.D

Acq: 11 Jun 2022 05:36

Instrument :

MSVOA_U

ClientSampleId :

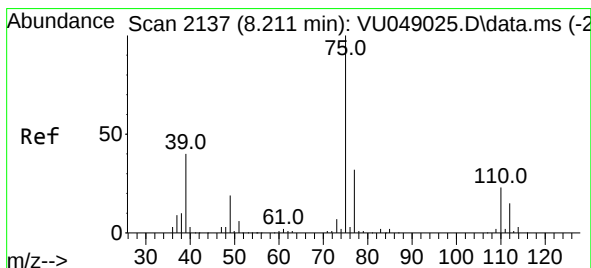
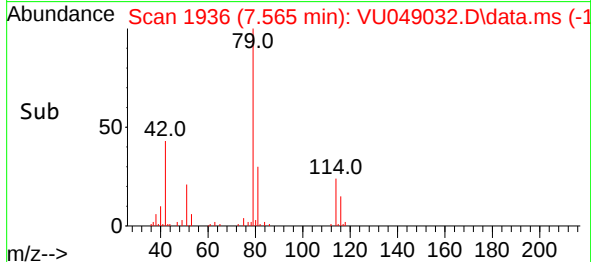
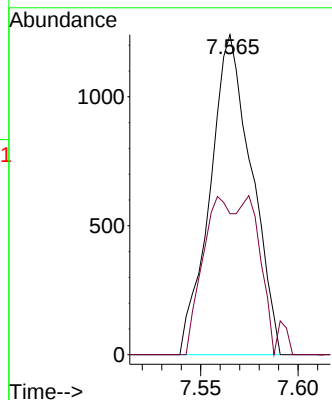
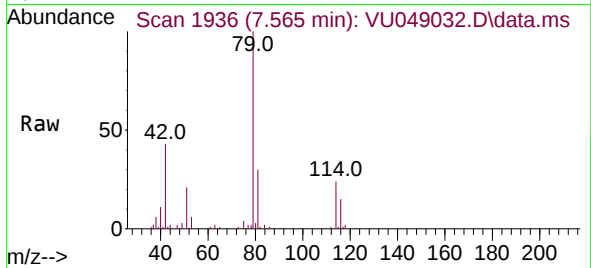
EXYX2

Tgt Ion: 75 Resp: 1840

Ion Ratio Lower Upper

75 100

77 44.1 22.6 42.0#



#44

trans-1,3-Dichloropropene

Concen: 0.647 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU049032.D

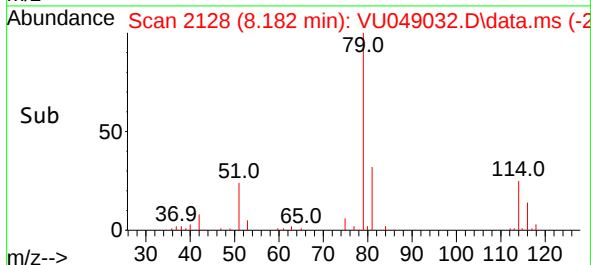
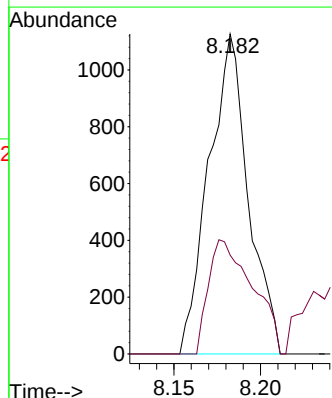
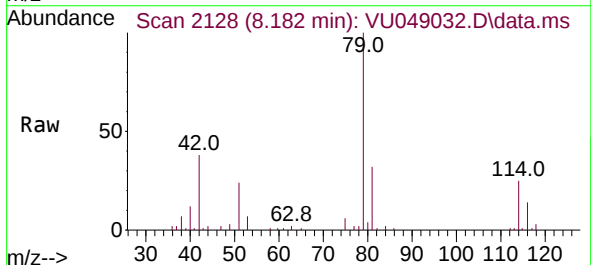
Acq: 11 Jun 2022 05:36

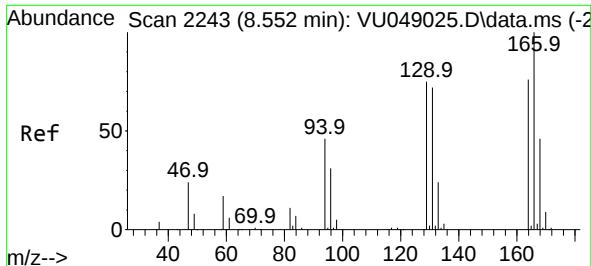
Tgt Ion: 75 Resp: 1784

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7

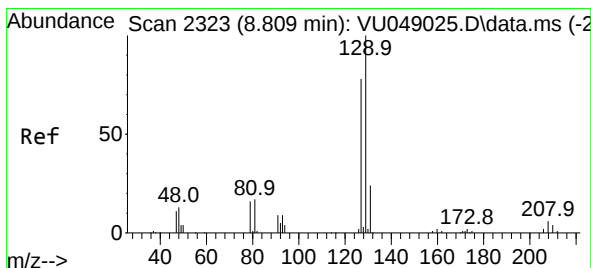
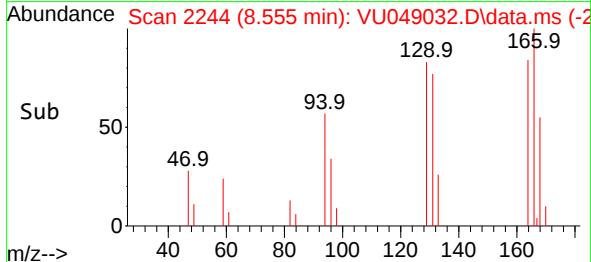
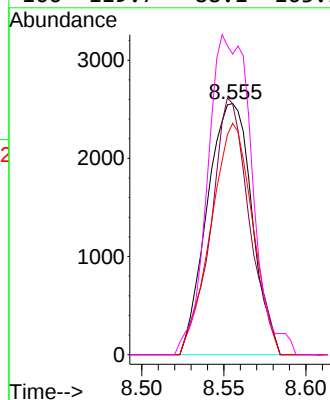
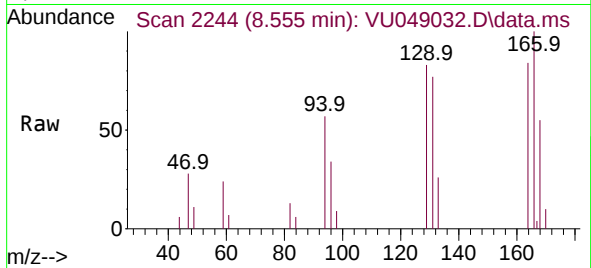




#46
Tetrachloroethene
Concen: 3.678 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

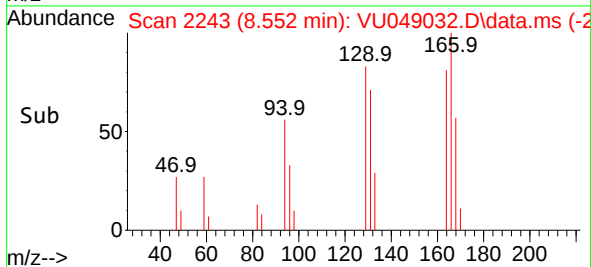
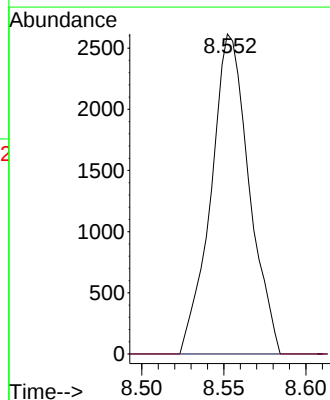
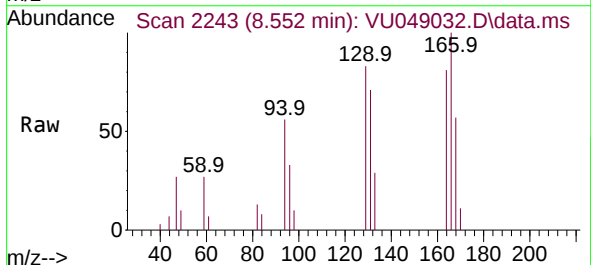
Instrument :
MSVOA_U
ClientSampleId :
EXYX2

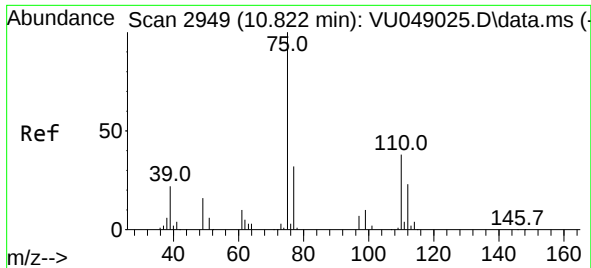
Tgt Ion:164	Resp:	4821
Ion Ratio	Lower	Upper
164	100	
129	99.9	70.9 131.7
131	92.1	66.2 123.0
166	119.7	88.1 163.5



#49
Dibromochloromethane
Concen: 2.074 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.257 min
Lab File: VU049032.D
Acq: 11 Jun 2022 05:36

Tgt Ion:129	Resp:	4232
Ion Ratio	Lower	Upper
129	100	
127	0.0	53.5 99.5#





#60
 1,2,3-Trichloropropane
 Concen: 4.016 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.991 min
 Lab File: VU049032.D
 Acq: 11 Jun 2022 05:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX2

Tgt Ion: 75 Resp: 9073
 Ion Ratio Lower Upper
 75 100
 77 37.3 26.6 40.0
 110 0.0 30.2 45.4#

