

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049029.D
 Acq On : 11 Jun 2022 04:25
 Operator : SY/MD
 Sample : N3249-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYT5

Quant Time: Jun 11 07:56:32 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	216884	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	211295	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98802	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70757	52.958	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 105.920%	
7) Chloroethane-d5	1.896	69	51740	52.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 105.480%	
11) 1,1-Dichloroethene-d2	2.562	63	100370	39.811	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 79.620%	
21) 2-Butanone-d5	4.620	46	157152	107.279	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 107.280%	
24) Chloroform-d	5.064	84	163790	57.465	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 114.920%	
26) 1,2-Dichloroethane-d4	5.700	65	110125	59.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 119.280%	
32) Benzene-d6	5.726	84	297961	56.869	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.740%	
36) 1,2-Dichloropropane-d6	6.691	67	102206	58.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 116.060%	
41) Toluene-d8	7.896	98	250286	54.166	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 108.340%	
43) trans-1,3-Dichloroprop...	8.179	79	37673	45.464	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 90.920%	
47) 2-Hexanone-d5	8.633	63	90605	98.286	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 98.290%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	167292	56.867	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 113.740%	
66) 1,2-Dichlorobenzene-d4	12.195	152	107147	62.327	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 124.660%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	6761	3.535	ug/L #	67
8) Chloroethane	1.919	64	3002	2.810	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	932	0.610	ug/L #	19
12) 1,1-Dichloroethene	2.572	96	1540	1.151	ug/L #	1
13) Acetone	2.626	43	2478	2.150	ug/L	76
19) 1,1-Dichloroethane	3.867	63	89327	28.196	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	7491	4.187	ug/L	90
30) 1,1,1-Trichloroethane	5.314	97	424664	144.116	ug/L	99
31) Carbon tetrachloride	5.318	117	52726	20.459	ug/L	100
34) Trichloroethene	6.543	95	13351	7.737	ug/L	96
37) 1,2-Dichloropropane	6.691	63	10708	5.547	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	2497	0.879	ug/L	93
44) trans-1,3-Dichloropropene	8.179	75	1830	0.651	ug/L	87
46) Tetrachloroethene	8.552	164	3139	2.346	ug/L	91
49) Dibromochloromethane	8.552	129	3018	1.449	ug/L #	11
62) 1,3,5-Trimethylbenzene	11.089	105	7623	1.330	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	13323	2.921	ug/L	91

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Quant Title : VOC Analysis
QLast Update : Sat Jun 11 04:33:31 2022
Response via : Initial Calibration

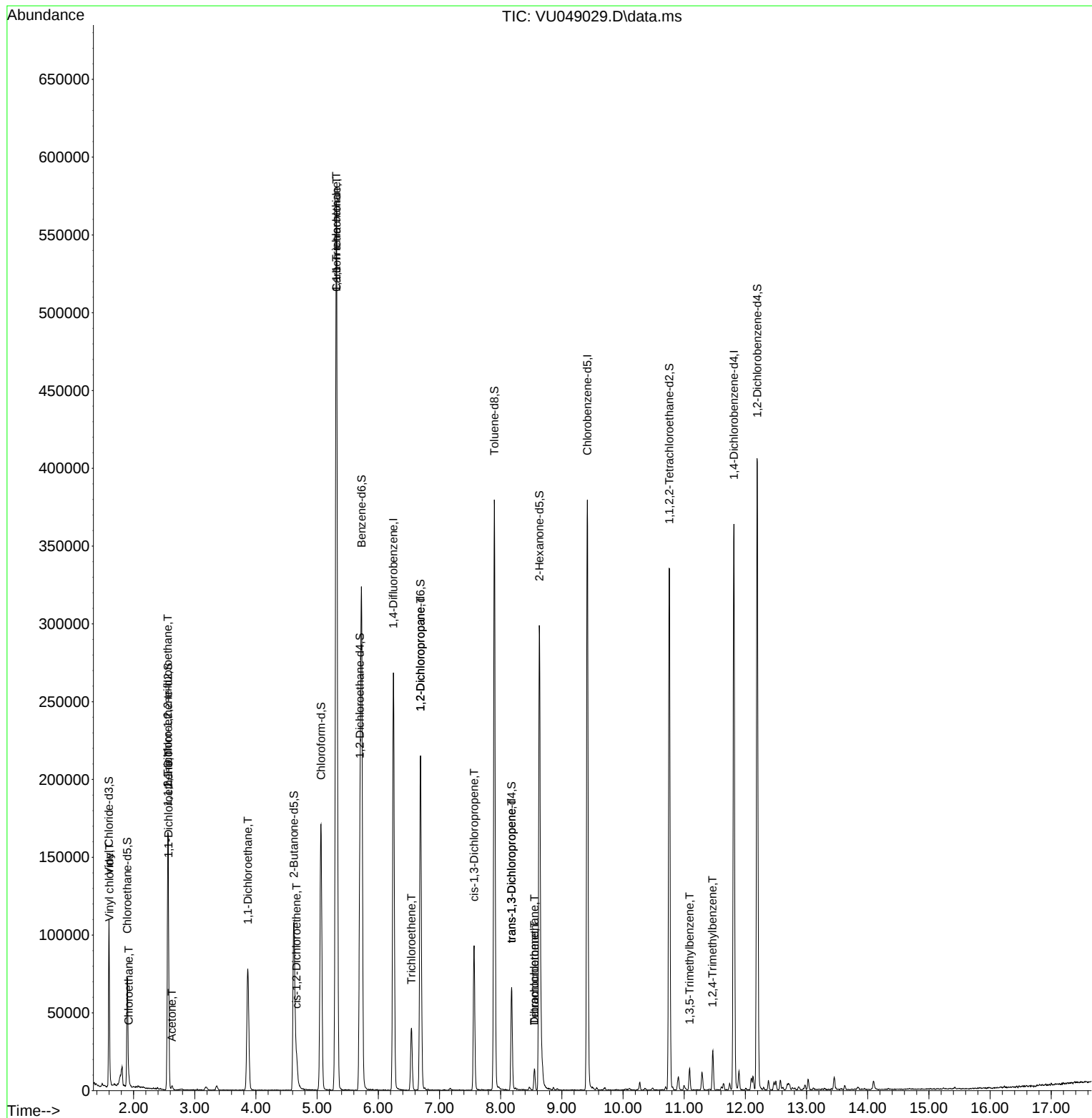
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

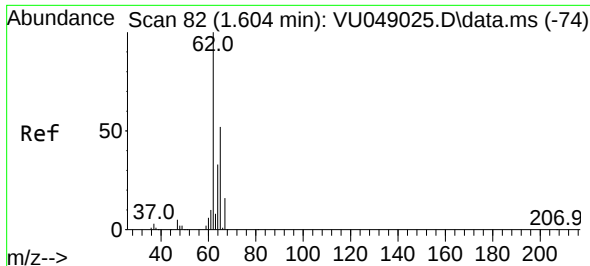
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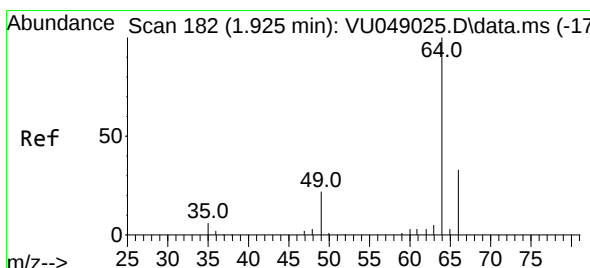
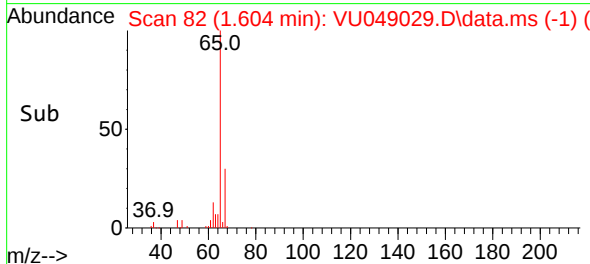
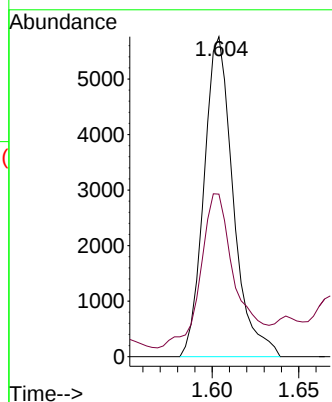
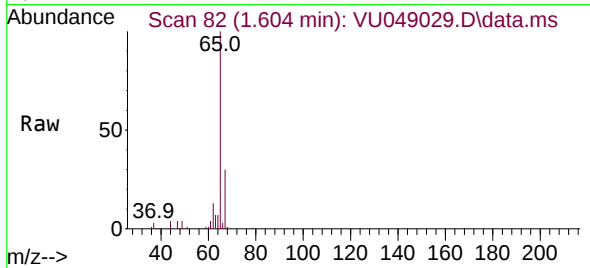




#5
 Vinyl chloride
 Concen: 3.535 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049029.D
 Acq: 11 Jun 2022 04:25

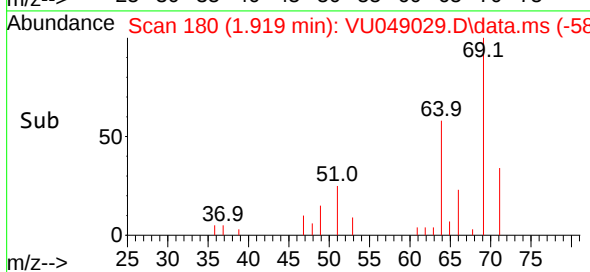
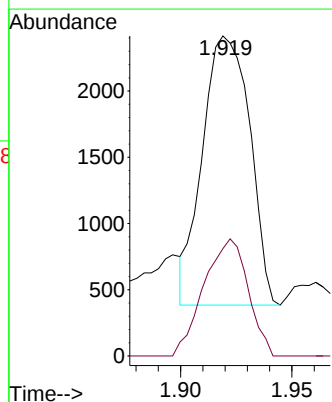
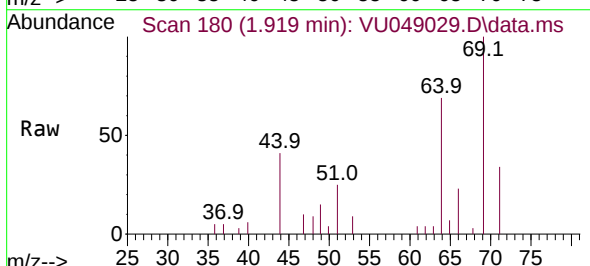
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYT5

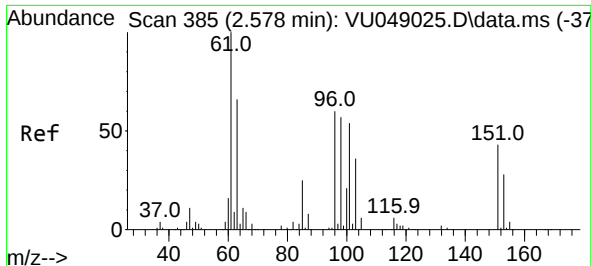
Tgt Ion: 62 Resp: 6761
 Ion Ratio Lower Upper
 62 100
 64 50.8 22.7 42.3#



#8
 Chloroethane
 Concen: 2.810 ug/L
 RT: 1.919 min Scan# 180
 Delta R.T. -0.006 min
 Lab File: VU049029.D
 Acq: 11 Jun 2022 04:25

Tgt Ion: 64 Resp: 3002
 Ion Ratio Lower Upper
 64 100
 66 33.6 23.7 43.9

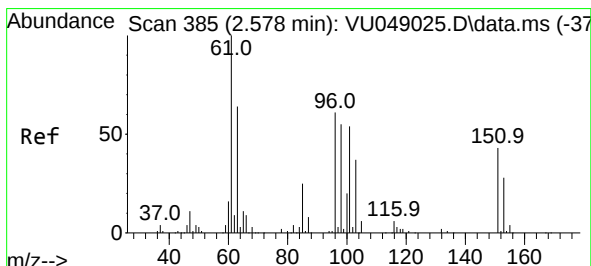
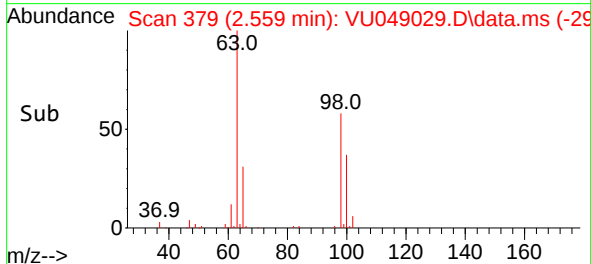
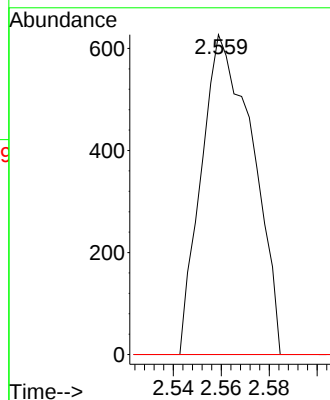
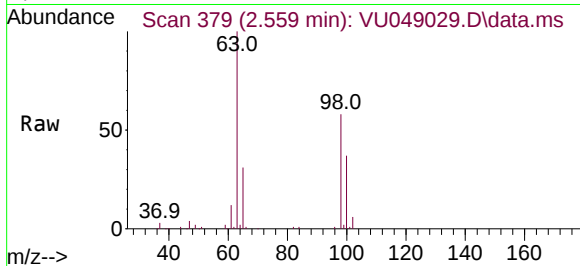




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.610 ug/L
 RT: 2.559 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VU049029.D
 Acq: 11 Jun 2022 04:25

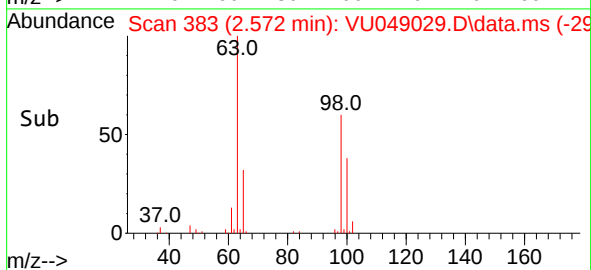
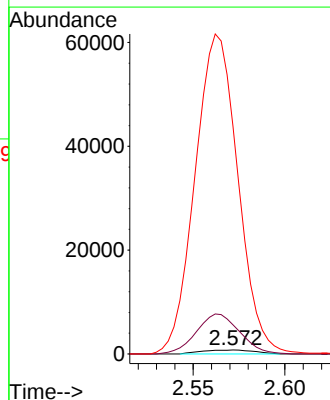
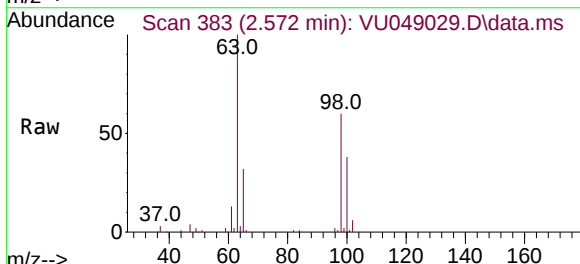
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYT5

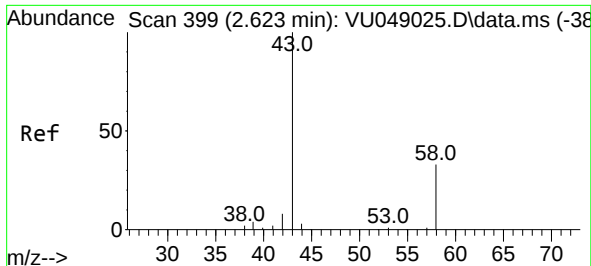
Tgt Ion:101 Resp: 932
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.2 52.8#
 151 0.0 61.4 92.2#



#12
 1,1-Dichloroethene
 Concen: 1.151 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU049029.D
 Acq: 11 Jun 2022 04:25

Tgt Ion: 96 Resp: 1540
 Ion Ratio Lower Upper
 96 100
 61 736.5 123.5 229.3#
 63 5759.8 86.0 159.8#





#13

Acetone

Concen: 2.150 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049029.D

Acq: 11 Jun 2022 04:25

Instrument :

MSVOA_U

ClientSampleId :

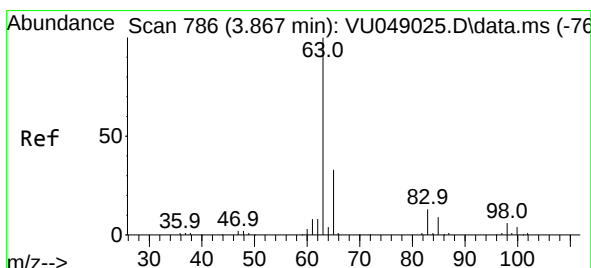
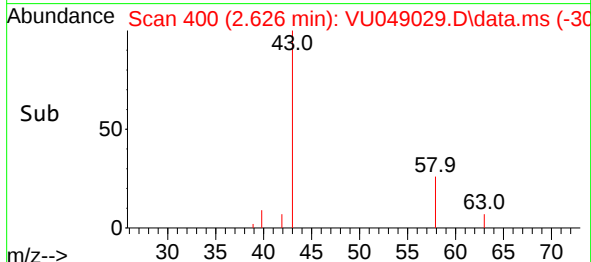
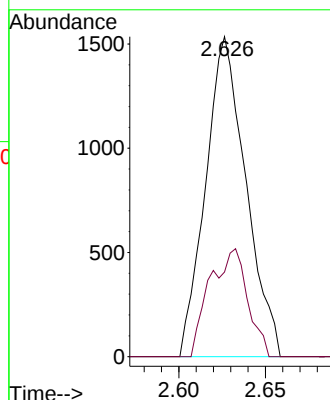
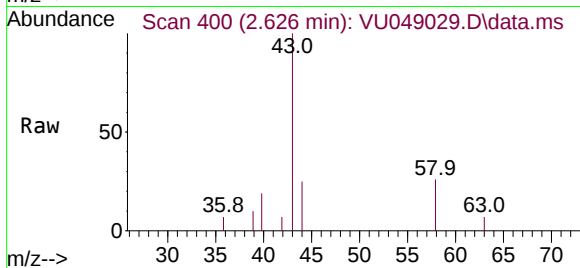
EXYT5

Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

58 19.9 0.0 66.4



#19

1,1-Dichloroethane

Concen: 28.196 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049029.D

Acq: 11 Jun 2022 04:25

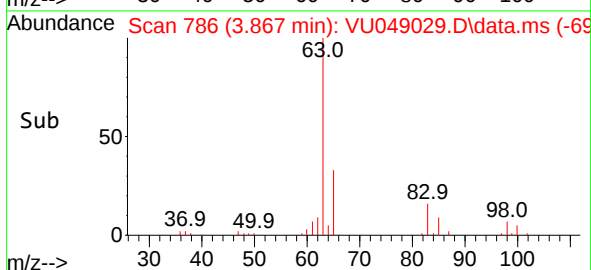
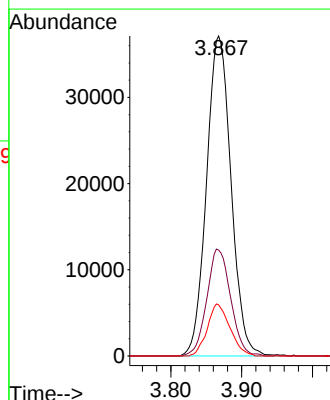
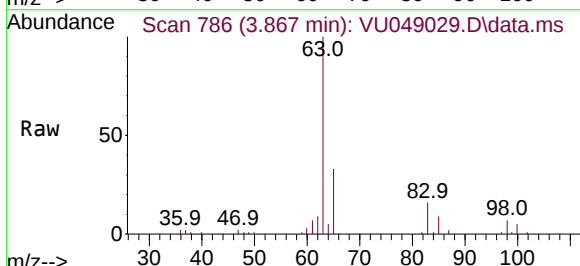
Tgt Ion: 63 Resp: 89327

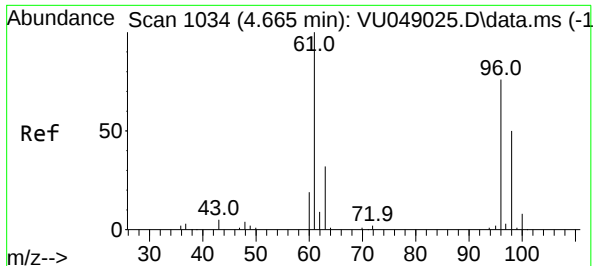
Ion Ratio Lower Upper

63 100

65 33.1 22.3 41.5

83 16.0 9.5 17.7

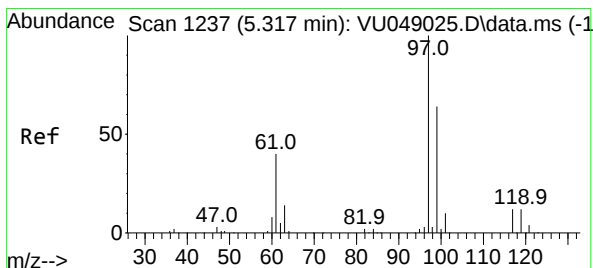
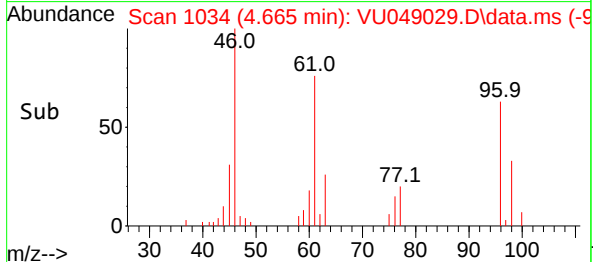
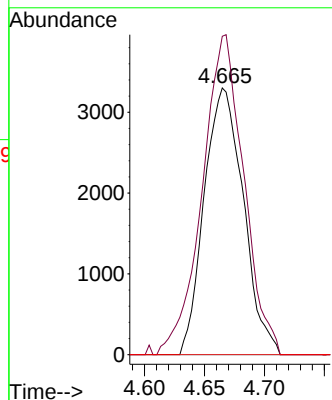
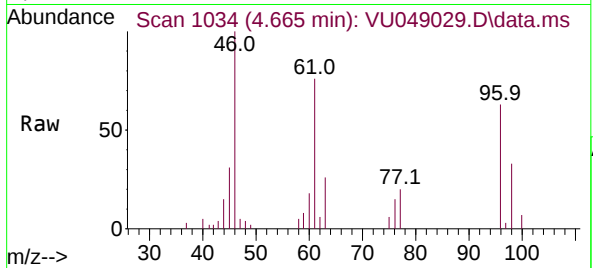




#20
 cis-1,2-Dichloroethene
 Concen: 4.187 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU049029.D
 Acq: 11 Jun 2022 04:25

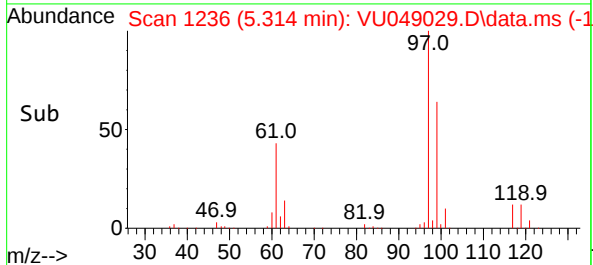
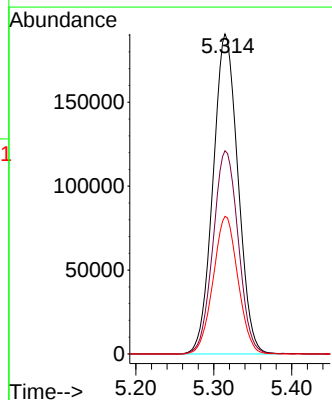
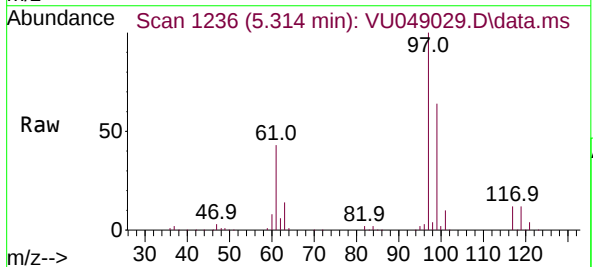
Instrument :
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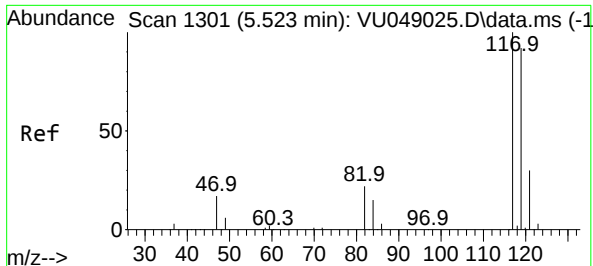
Tgt Ion: 96 Resp: 7491
 Ion Ratio Lower Upper
 96 100
 61 119.4 91.6 170.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 144.116 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. -0.003 min
 Lab File: VU049029.D
 Acq: 11 Jun 2022 04:25

Tgt Ion: 97 Resp: 424664
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.9 76.3
 61 42.8 34.2 51.2

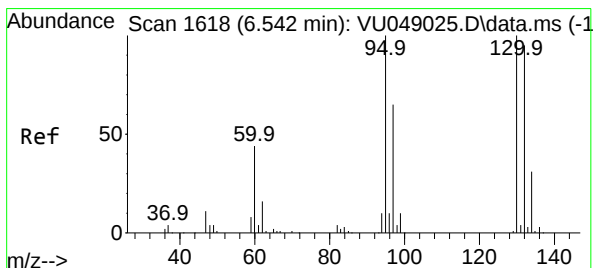
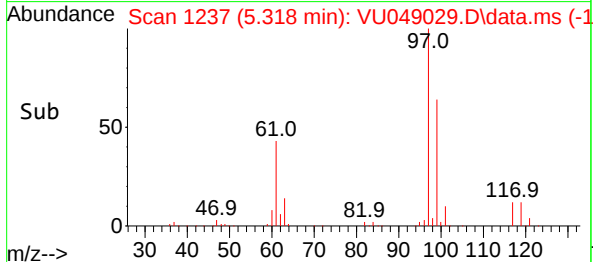
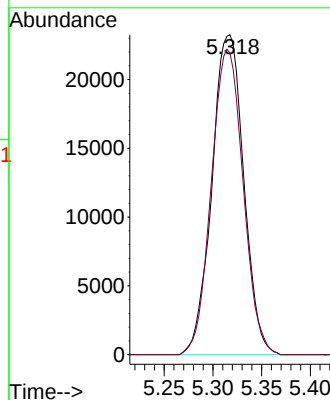
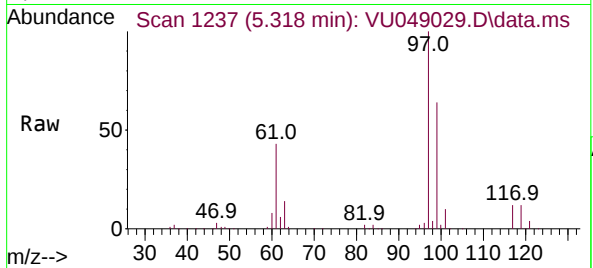




#31
Carbon tetrachloride
Concen: 20.459 ug/L
RT: 5.318 min Scan# 11
Delta R.T. -0.206 min
Lab File: VU049029.D
Acq: 11 Jun 2022 04:25

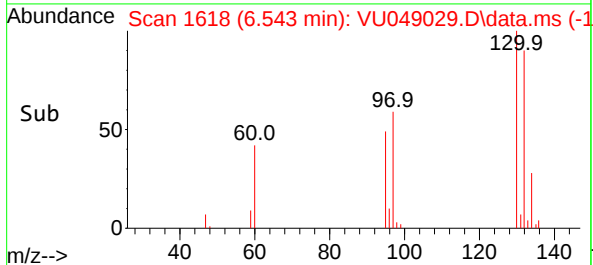
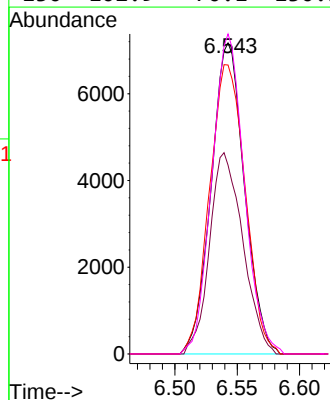
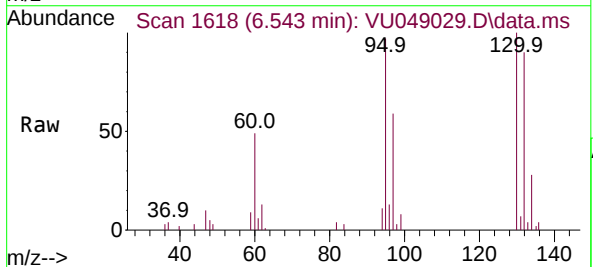
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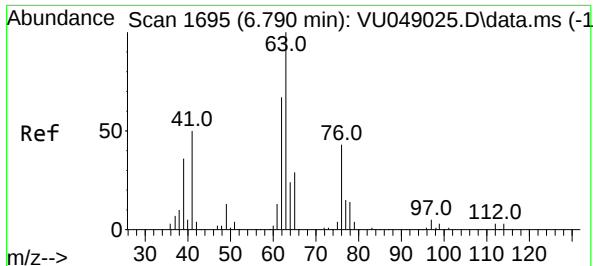
Tgt Ion:117 Resp: 52726
Ion Ratio Lower Upper
117 100
119 95.5 76.5 114.7



#34
Trichloroethene
Concen: 7.737 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU049029.D
Acq: 11 Jun 2022 04:25

Tgt Ion: 95 Resp: 13351
Ion Ratio Lower Upper
95 100
97 60.7 45.4 84.4
132 92.9 67.6 125.6
130 102.9 70.1 130.3





#37

1,2-Dichloropropane

Concen: 5.547 ug/L

RT: 6.691 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU049029.D

Acq: 11 Jun 2022 04:25

Instrument :

MSVOA_U

ClientSampleId :

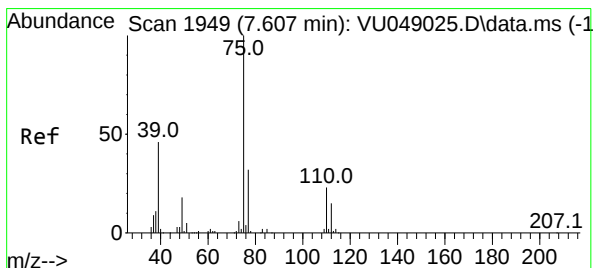
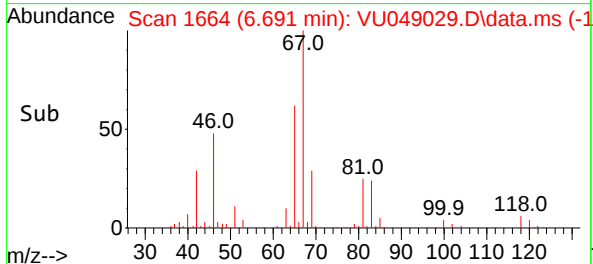
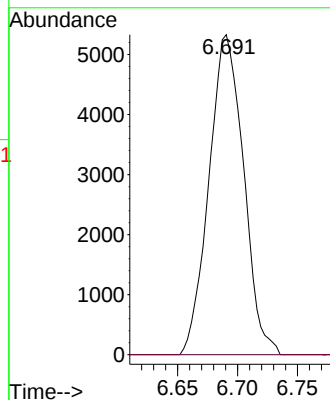
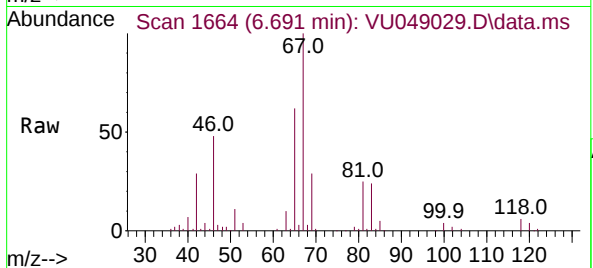
EXYT5

Tgt Ion: 63 Resp: 10708

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.879 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU049029.D

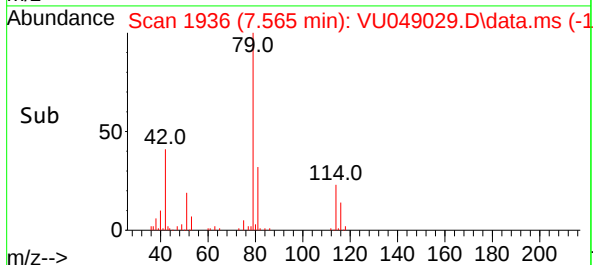
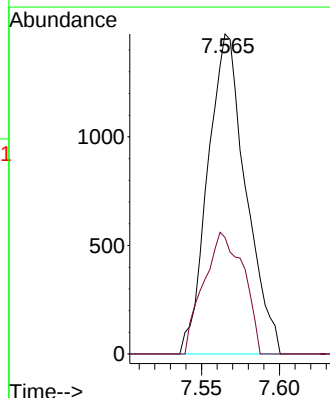
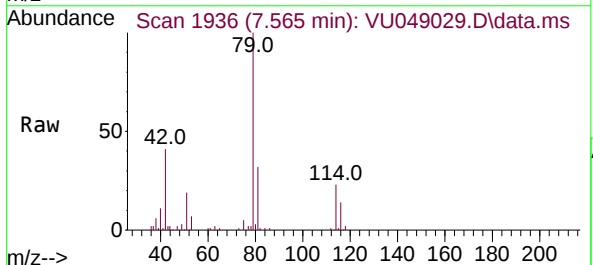
Acq: 11 Jun 2022 04:25

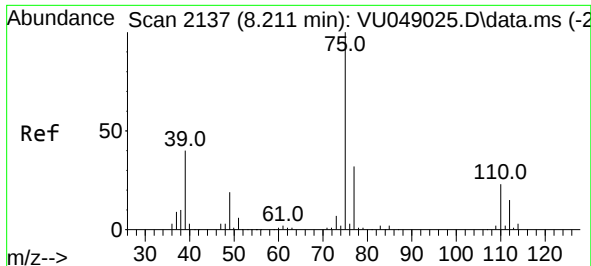
Tgt Ion: 75 Resp: 2497

Ion Ratio Lower Upper

75 100

77 36.4 22.6 42.0

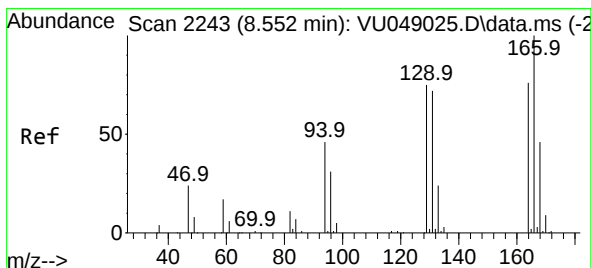
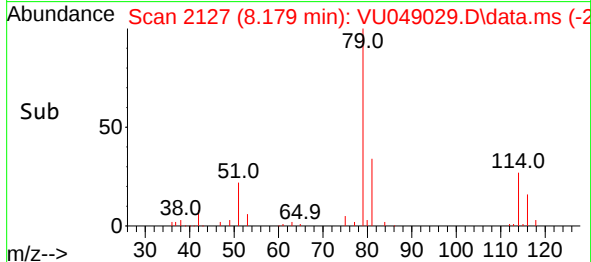
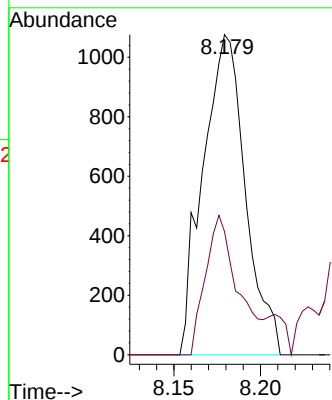
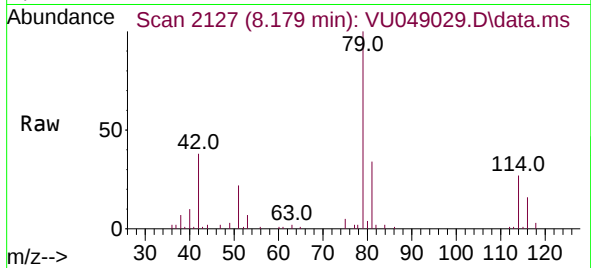




#44
trans-1,3-Dichloropropene
Concen: 0.651 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU049029.D
Acq: 11 Jun 2022 04:25

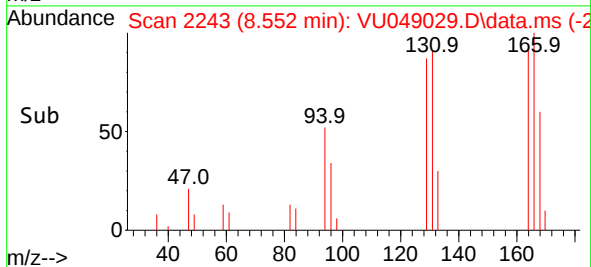
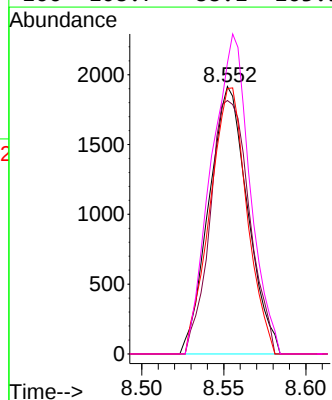
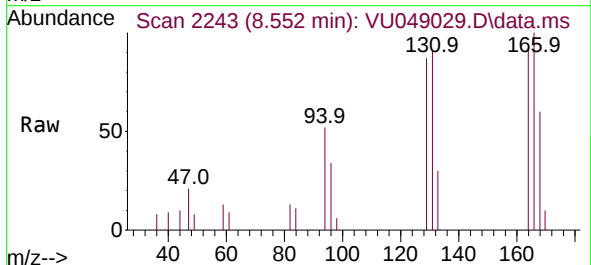
Instrument :
MSVOA_U
ClientSampleId :
EXYT5

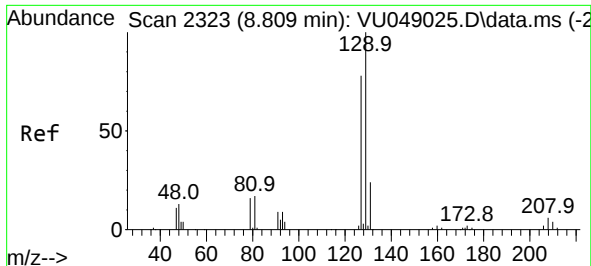
Tgt Ion: 75 Resp: 1830
Ion Ratio Lower Upper
75 100
77 38.5 21.9 40.7



#46
Tetrachloroethene
Concen: 2.346 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049029.D
Acq: 11 Jun 2022 04:25

Tgt Ion: 164 Resp: 3139
Ion Ratio Lower Upper
164 100
129 94.7 70.9 131.7
131 99.2 66.2 123.0
166 108.7 88.1 163.5

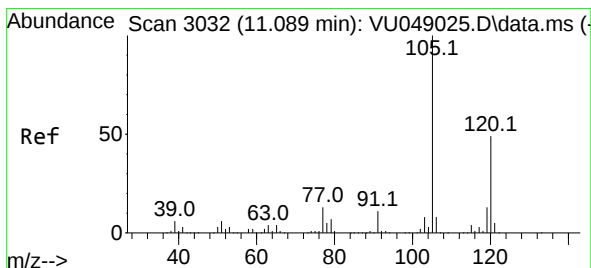
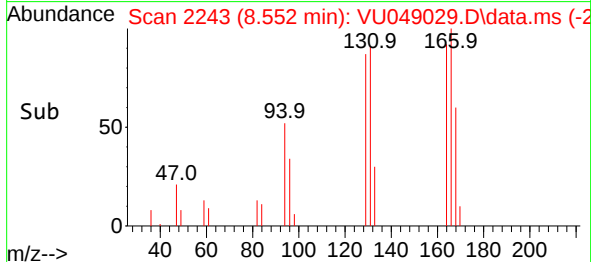
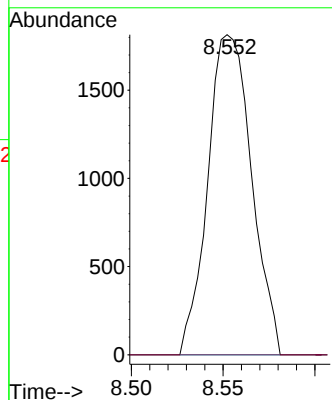
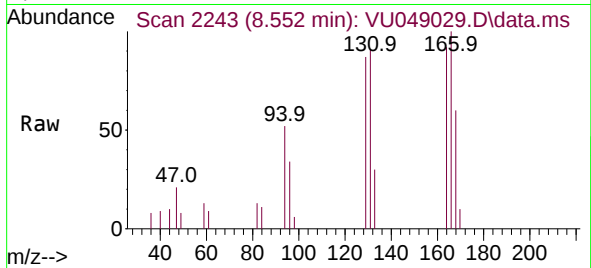




#49
Dibromochloromethane
Concen: 1.449 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU049029.D
Acq: 11 Jun 2022 04:25

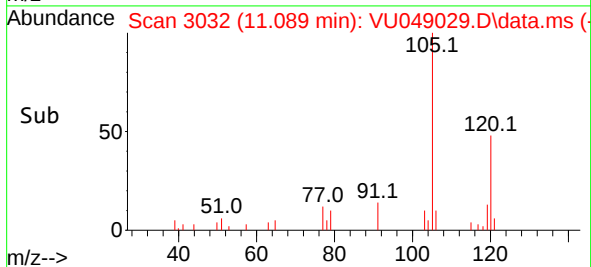
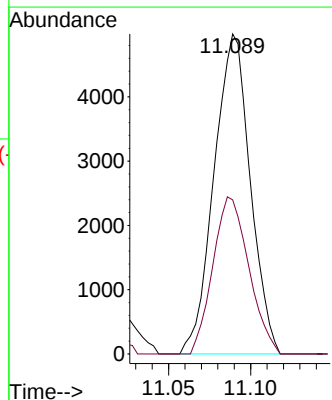
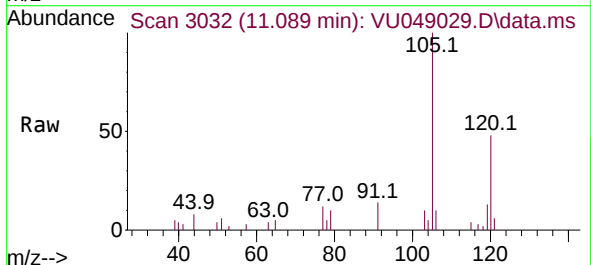
Instrument :
MSVOA_U
ClientSampleId :
EXYT5

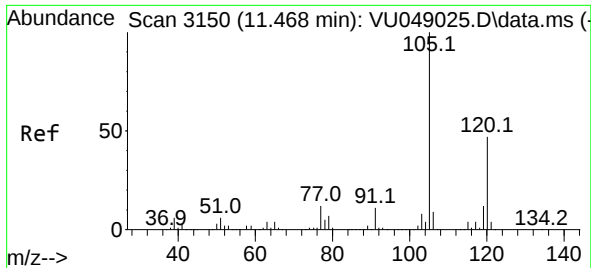
Tgt Ion:129 Resp: 3018
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#



#62
1,3,5-Trimethylbenzene
Concen: 1.330 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU049029.D
Acq: 11 Jun 2022 04:25

Tgt Ion:105 Resp: 7623
Ion Ratio Lower Upper
105 100
120 48.8 39.1 58.7





#63
 1,2,4-Trimethylbenzene
 Concen: 2.921 ug/L
 RT: 11.465 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU049029.D
 Acq: 11 Jun 2022 04:25

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYT5

Tgt Ion:105 Resp: 13323
 Ion Ratio Lower Upper
 105 100
 120 51.4 36.3 54.5

