

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072922\
 Data File : VU050025.D
 Acq On : 29 Jul 2022 09:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005140

Quant Time: Jul 30 01:38:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 05:04:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	94100	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	91057	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43119	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	34574	4.279	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	85.600%	
7) Chloroethane-d5	1.913	69	29110	5.016	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	100.400%	
11) 1,1-Dichloroethene-d2	2.565	65	12498	4.488	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	89.800%	
20) 2-Butanone-d5	4.639	46	106395	59.157	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	118.320%	
24) Chloroform-d	5.064	84	66883	5.003	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.000%	
26) 1,2-Dichloroethane-d4	5.703	65	34845	5.172	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.400%	
32) Benzene-d6	5.729	84	128906	4.791	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.800%	
36) 1,2-Dichloropropane-d6	6.694	67	43924	4.983	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.600%	
41) Toluene-d8	7.899	98	113999	4.767	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.400%	
43) trans-1,3-Dichloroprop...	8.179	79	16538	5.353	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	107.000%	
46) 2-Hexanone-d5	8.636	63	64879	56.098	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	112.200%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41084	5.547	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	111.000%	
66) 1,2-Dichlorobenzene-d4	12.195	152	37850	4.733	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	94.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	36410	5.013	ug/L	99
3) Chloromethane	1.520	50	40882	4.751	ug/L	98
5) Vinyl chloride	1.601	62	40740	5.037	ug/L	99
6) Bromomethane	1.858	94	23827	5.322	ug/L	96
8) Chloroethane	1.932	64	23764	5.182	ug/L	97
9) Trichlorofluoromethane	2.138	101	50165	5.266	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	28936	5.159	ug/L	99
12) 1,1-Dichloroethene	2.578	96	26343	5.072	ug/L	98
13) Acetone	2.649	43	67042	53.033	ug/L	98
14) Carbon disulfide	2.790	76	71824	4.553	ug/L	100
15) Methyl Acetate	2.961	43	14939	5.696	ug/L	95
16) Methylene chloride	3.044	84	39041	4.889	ug/L	98
17) Methyl tert-butyl Ether	3.366	73	77869	5.364	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	28994	5.079	ug/L	97
19) 1,1-Dichloroethane	3.871	63	61195	5.226	ug/L	95
21) 2-Butanone	4.716	43	109102	59.921	ug/L	99
22) cis-1,2-Dichloroethene	4.668	96	35380	5.185	ug/L	99
23) Bromochloromethane	4.977	128	17056	5.459	ug/L	95
25) Chloroform	5.089	83	66167	5.042	ug/L	98

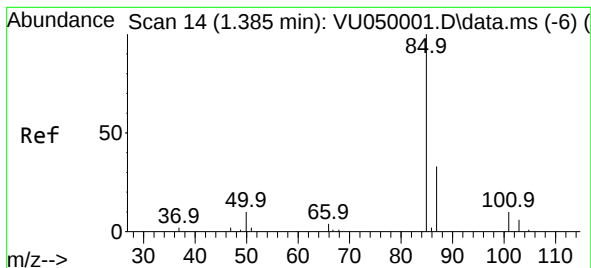
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 Data File : VU050025.D
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD005140

Quant Time: Jul 30 01:38:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 05:04:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	39589	5.406	ug/L	100
29) 1,1,1-Trichloroethane	5.318	97	50315	5.204	ug/L	99
30) Cyclohexane	5.388	56	40485	4.961	ug/L	99
31) Carbon tetrachloride	5.527	117	40904	5.208	ug/L	99
33) Benzene	5.774	78	140563	5.289	ug/L	100
34) Trichloroethene	6.543	95	33574	5.197	ug/L	98
35) Methylcyclohexane	6.764	83	41996	4.929	ug/L	98
37) 1,2-Dichloropropane	6.793	63	38932	5.315	ug/L	99
38) Bromodichloromethane	7.105	83	47271	5.334	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	50937	5.374	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	241548	57.078	ug/L	100
42) Toluene	7.970	91	144367	5.342	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	43314	5.442	ug/L	95
45) 1,1,2-Trichloroethane	8.401	97	30265	5.530	ug/L	95
47) Tetrachloroethene	8.555	164	23978	5.157	ug/L	96
48) 2-Hexanone	8.687	43	188562	58.451	ug/L	96
49) Dibromochloromethane	8.813	129	33310	5.562	ug/L	100
50) 1,2-Dibromoethane	8.925	107	27130	5.583	ug/L #	95
51) Chlorobenzene	9.449	112	89124	5.195	ug/L	99
52) Ethylbenzene	9.571	91	139311	5.263	ug/L	99
53) m,p-Xylene	9.694	106	52270	5.185	ug/L	99
54) o-Xylene	10.102	106	52558	5.378	ug/L	96
55) Styrene	10.115	104	89845	5.397	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	40621	5.702	ug/L	97
59) Bromoform	10.292	173	19220	5.546	ug/L	100
60) Isopropylbenzene	10.485	105	130106	5.108	ug/L	100
61) 1,2,3-Trichloropropane	10.825	75	27758	5.543	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	102604	4.958	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	101516	5.062	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	63684	5.221	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	62346	5.166	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	63041	5.202	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	5710	5.773	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.221	180	44383	5.047	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	33287	4.745	ug/L	98
71) Naphthalene	14.089	128	62636	4.503	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	33928	4.873	ug/L	99

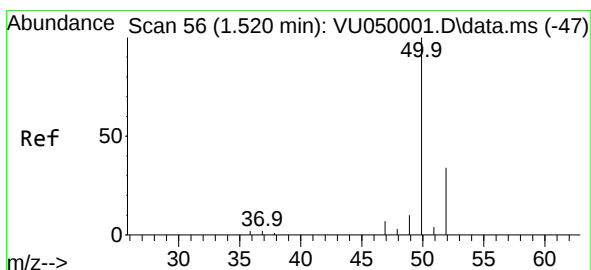
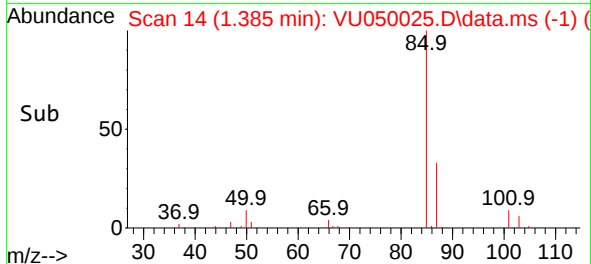
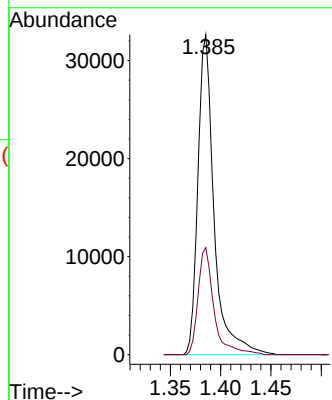
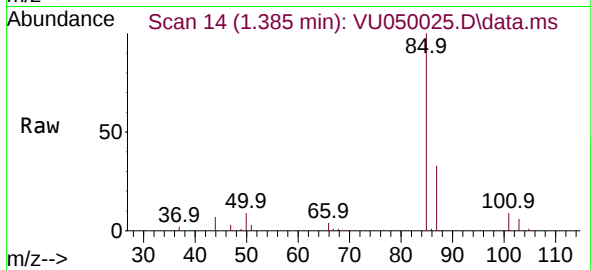
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#2
Dichlorodifluoromethane
Concen: 5.013 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

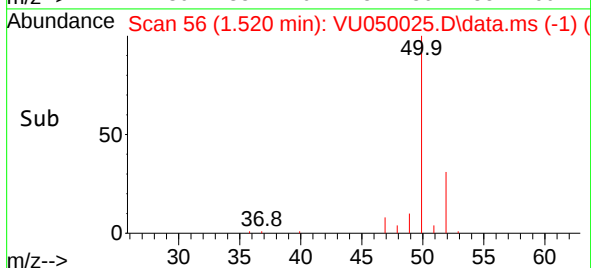
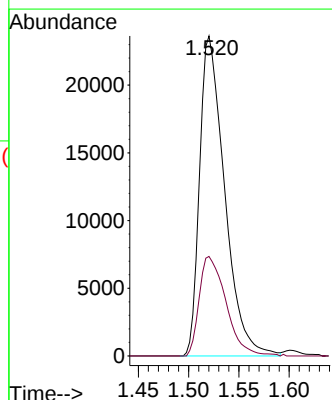
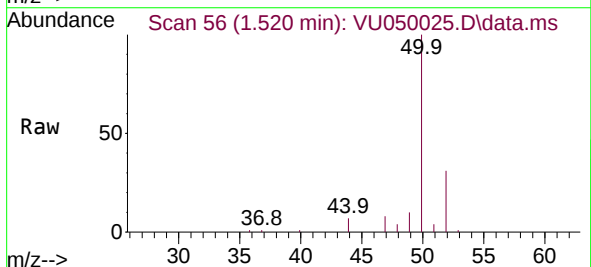
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MSVOA_U
ClientSampleId :
VSTD005140

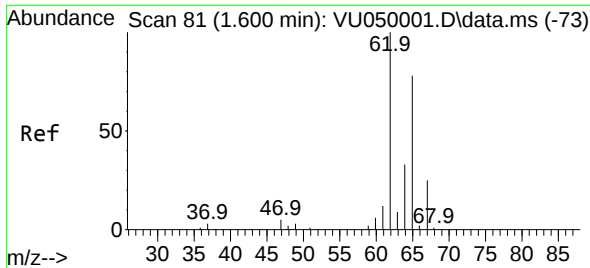
Tgt Ion: 85 Resp: 36410
Ion Ratio Lower Upper
85 100
87 32.9 25.7 38.5



#3
Chloromethane
Concen: 4.751 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 50 Resp: 40882
Ion Ratio Lower Upper
50 100
52 31.1 22.4 41.6

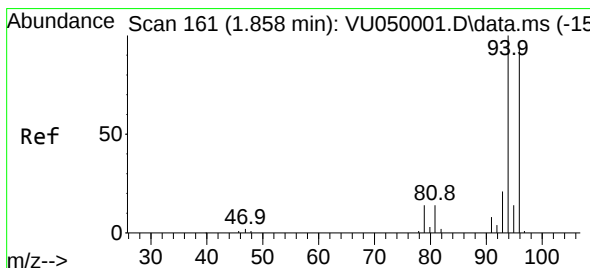
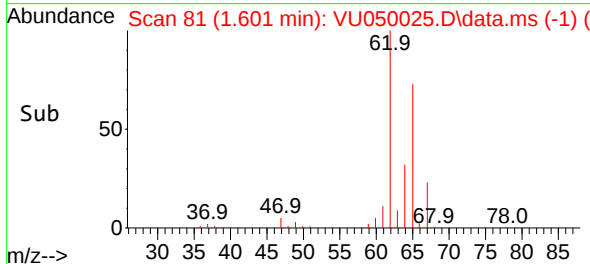
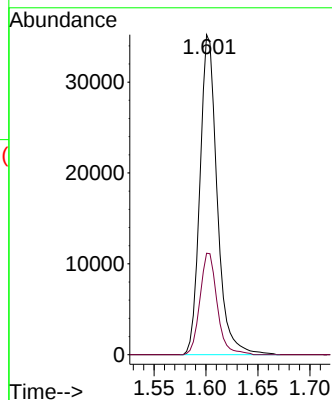
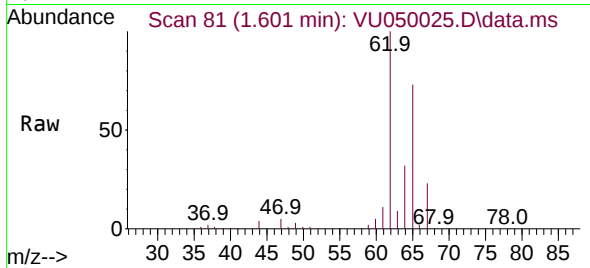




#5
 Vinyl chloride
 Concen: 5.037 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050025.D
 Acq: 29 Jul 2022 09:42

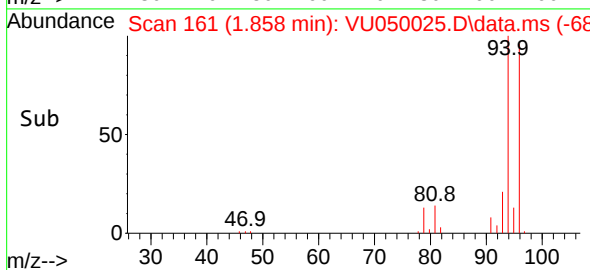
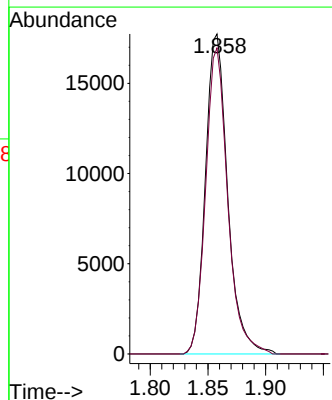
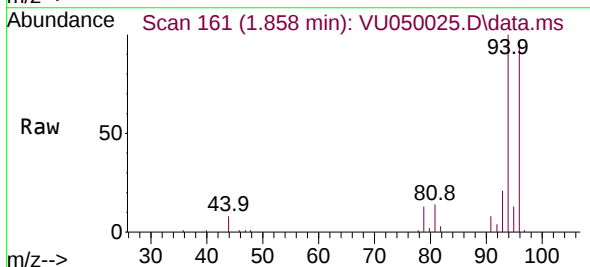
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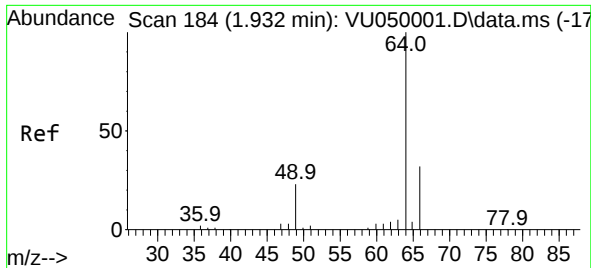
Tgt Ion: 62 Resp: 40740
 Ion Ratio Lower Upper
 62 100
 64 31.7 22.5 41.9



#6
 Bromomethane
 Concen: 5.322 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU050025.D
 Acq: 29 Jul 2022 09:42

Tgt Ion: 94 Resp: 23827
 Ion Ratio Lower Upper
 94 100
 96 95.7 64.5 119.9

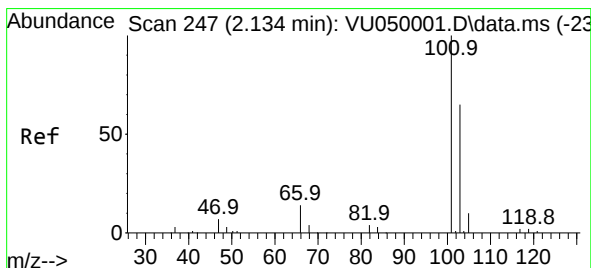
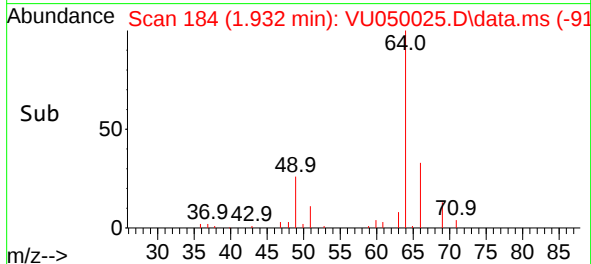
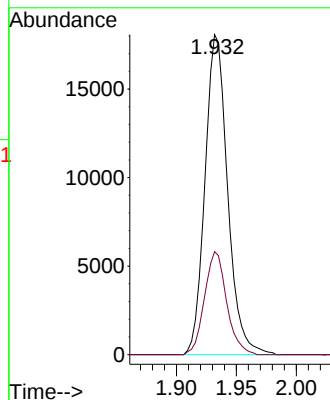
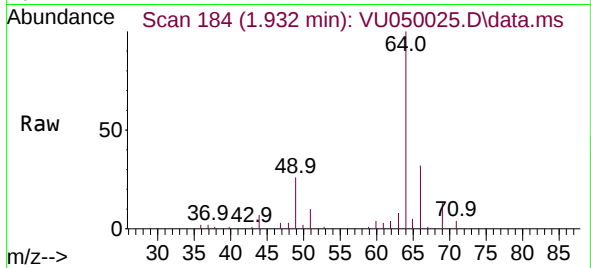




#8
Chloroethane
Concen: 5.182 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

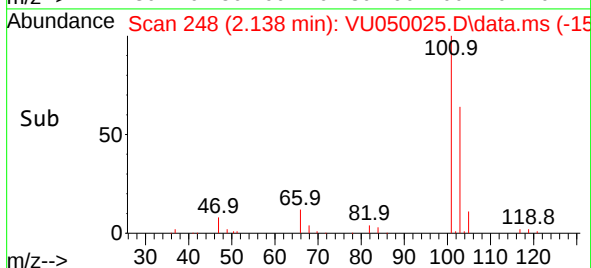
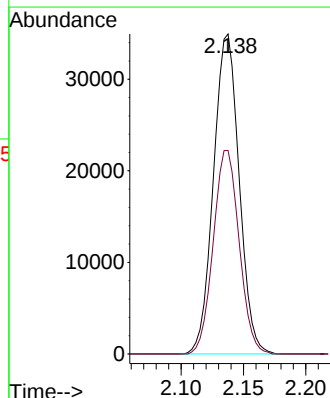
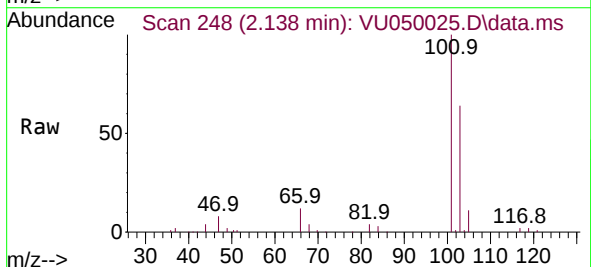
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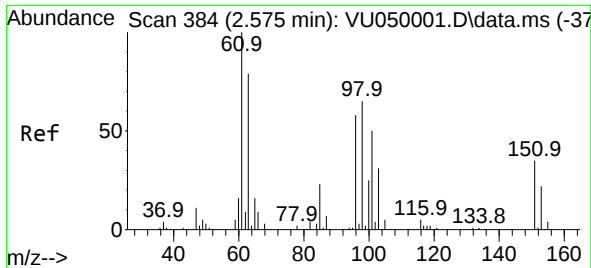
Tgt Ion: 64 Resp: 23764
Ion Ratio Lower Upper
64 100
66 32.2 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.266 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 101 Resp: 50165
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.6

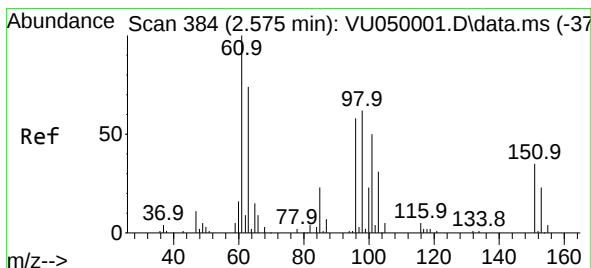
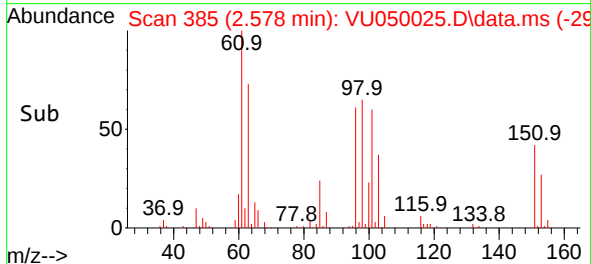
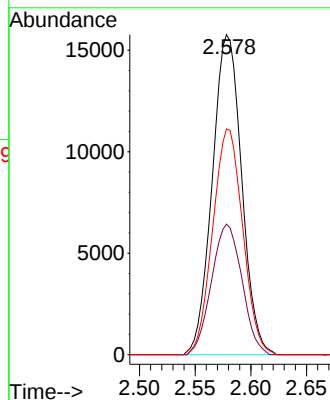
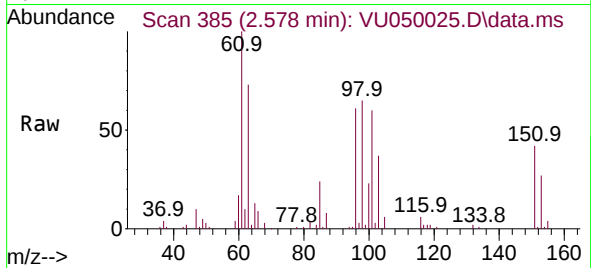




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.159 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

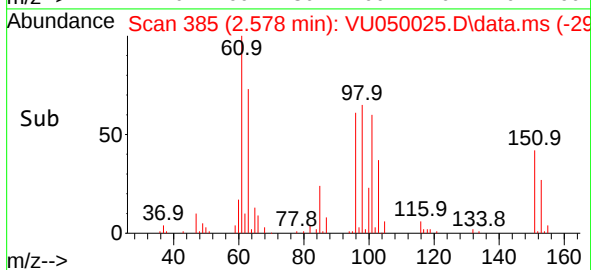
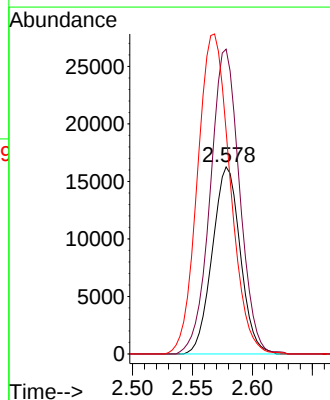
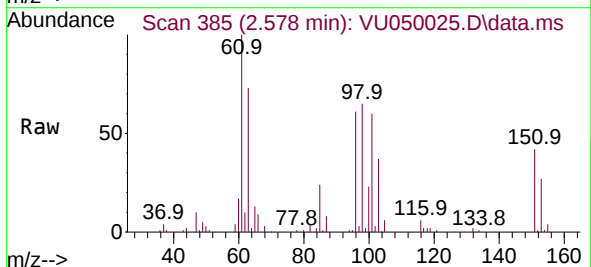
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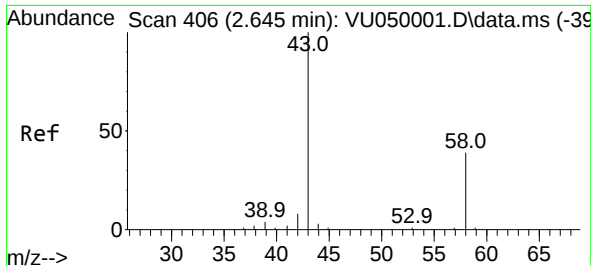
Tgt Ion:101 Resp: 28936
Ion Ratio Lower Upper
101 100
85 42.2 34.1 51.1
151 72.0 56.6 85.0



#12
1,1-Dichloroethene
Concen: 5.072 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 96 Resp: 26343
Ion Ratio Lower Upper
96 100
61 163.0 115.7 214.9
63 119.2 84.8 157.4





#13

Acetone

Concen: 53.033 ug/L

RT: 2.649 min Scan# 406

Delta R.T. 0.003 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

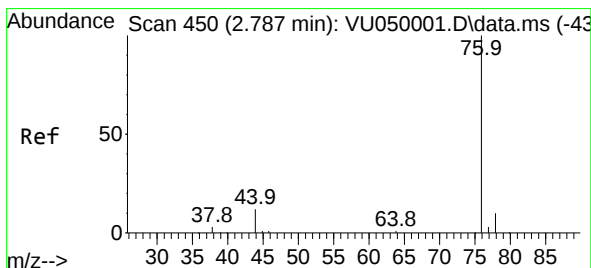
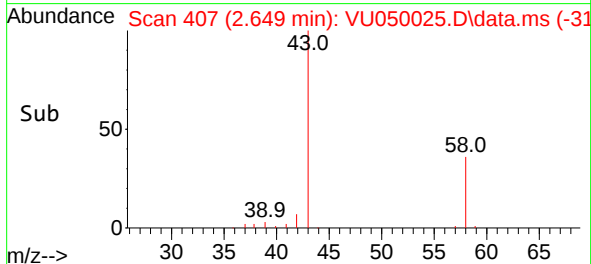
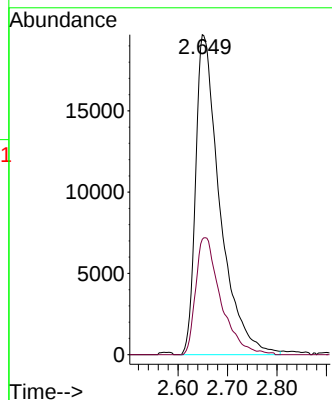
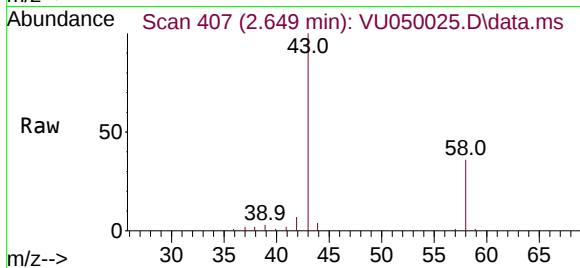
VSTD005140

Tgt Ion: 43 Resp: 67042

Ion Ratio Lower Upper

43 100

58 37.4 0.0 73.0



#14

Carbon disulfide

Concen: 4.553 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050025.D

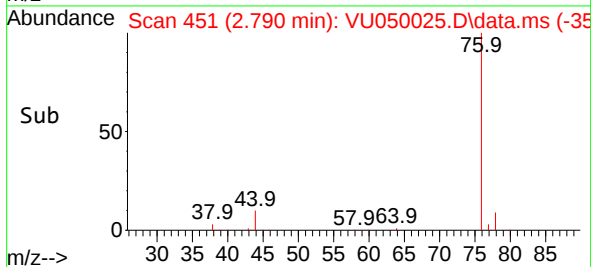
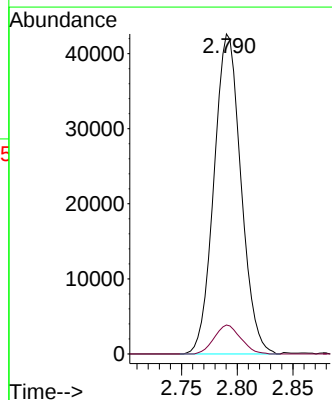
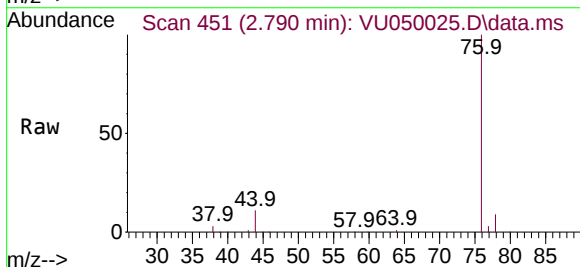
Acq: 29 Jul 2022 09:42

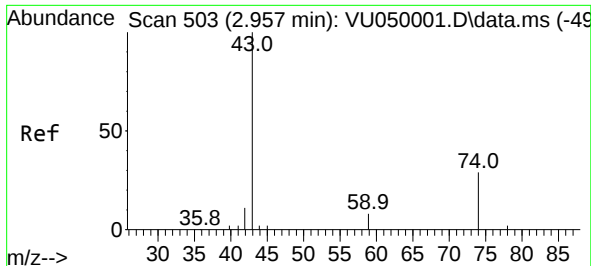
Tgt Ion: 76 Resp: 71824

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

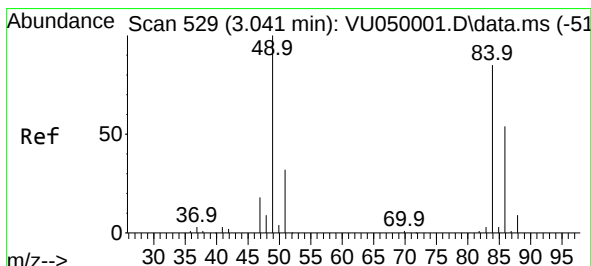
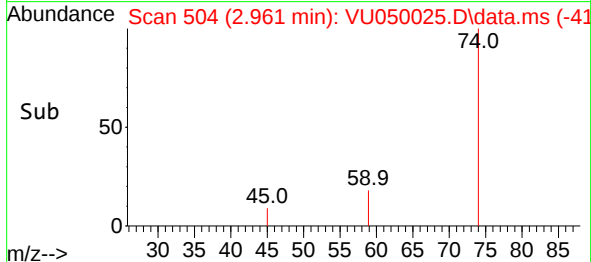
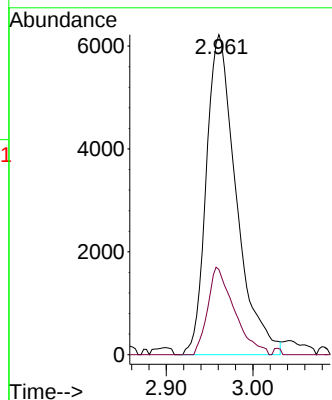
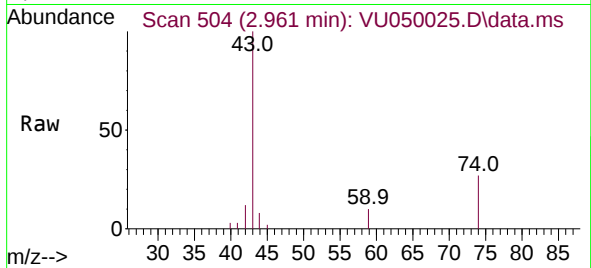




#15
Methyl Acetate
Concen: 5.696 ug/L
RT: 2.961 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

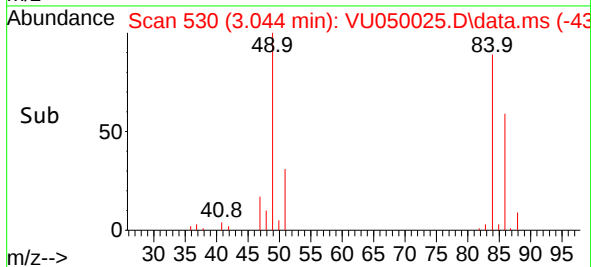
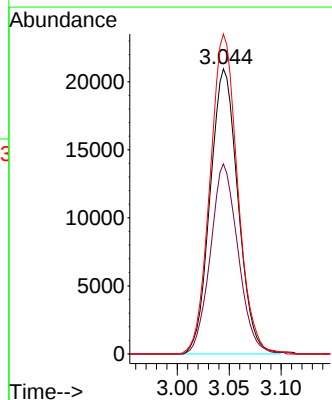
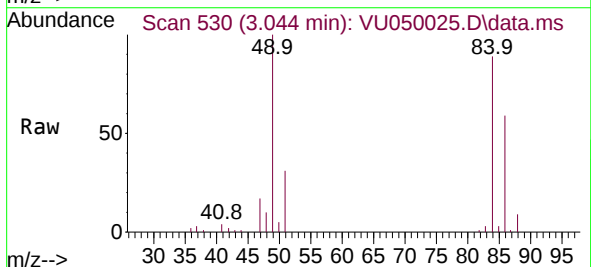
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

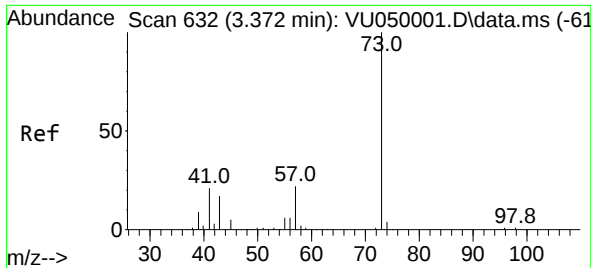
Tgt Ion: 43 Resp: 14939
Ion Ratio Lower Upper
43 100
74 24.3 21.6 32.4



#16
Methylene chloride
Concen: 4.889 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 84 Resp: 39041
Ion Ratio Lower Upper
84 100
86 66.7 45.2 84.0
49 112.3 77.6 144.0

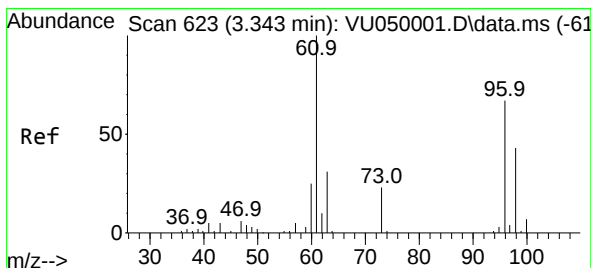
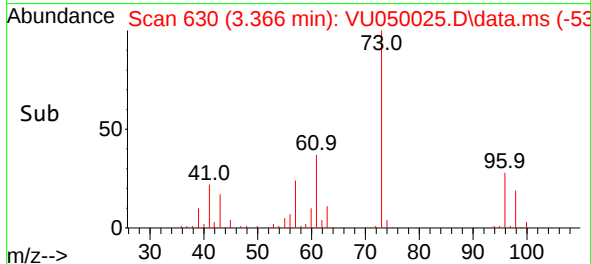
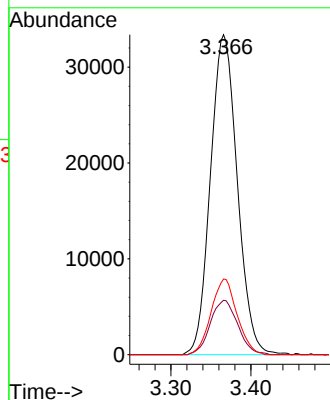
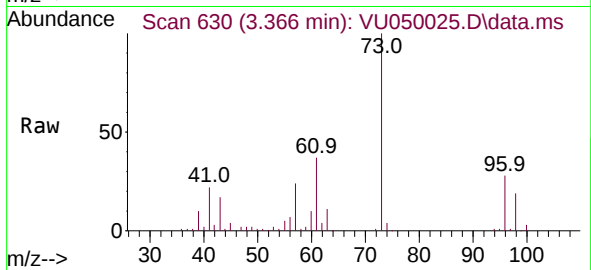




#17
Methyl tert-butyl Ether
Concen: 5.364 ug/L
RT: 3.366 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

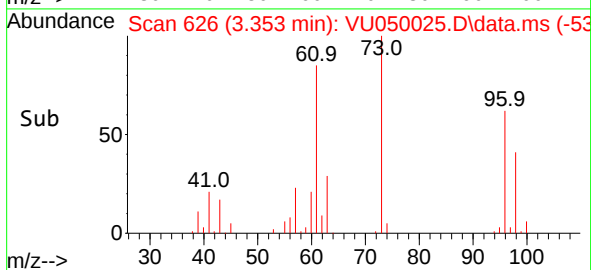
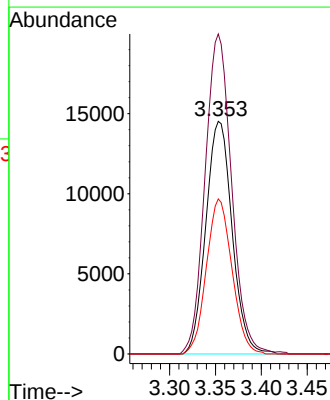
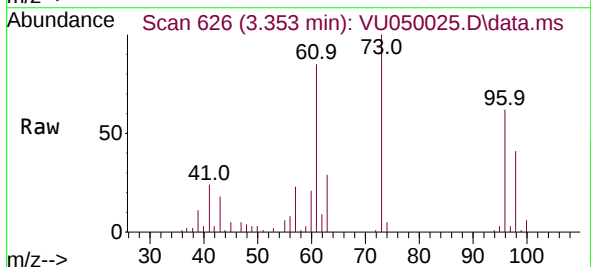
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

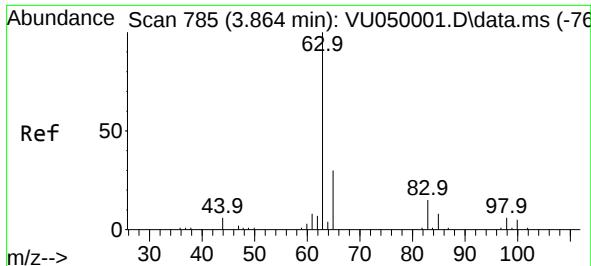
Tgt Ion: 73	Resp: 77869
Ion Ratio	Lower Upper
73 100	
43 17.4	13.8 20.6
57 22.9	17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.079 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.010 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 96	Resp: 28994
Ion Ratio	Lower Upper
96 100	
61 137.5	98.0 182.0
98 66.6	44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.226 ug/L

RT: 3.871 min Scan# 71

Delta R.T. 0.007 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD005140

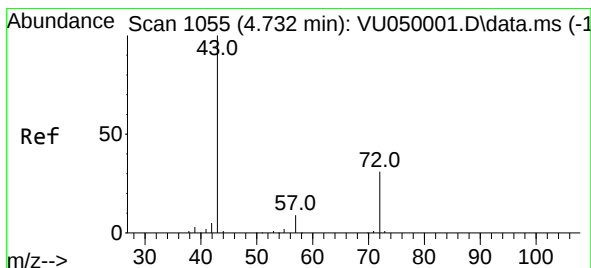
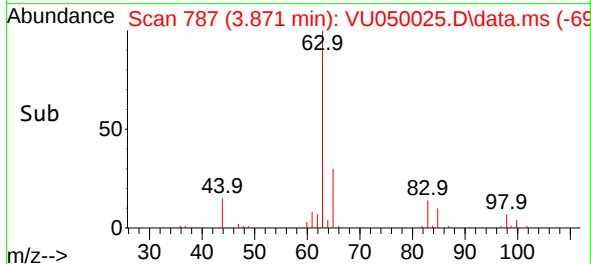
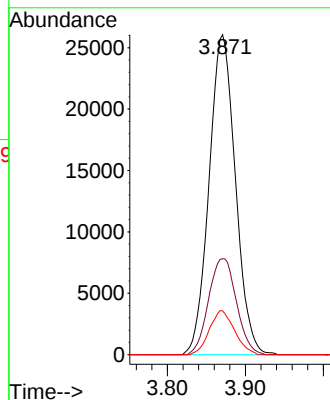
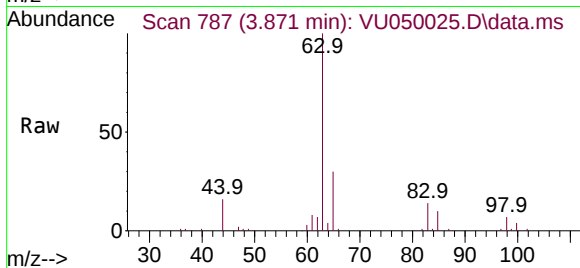
Tgt Ion: 63 Resp: 61195

Ion Ratio Lower Upper

63 100

65 30.0 23.4 43.6

83 13.7 9.4 17.4



#21

2-Butanone

Concen: 59.921 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.016 min

Lab File: VU050025.D

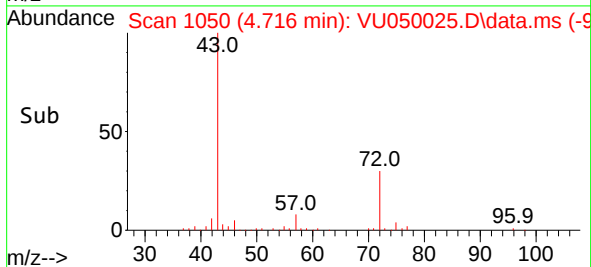
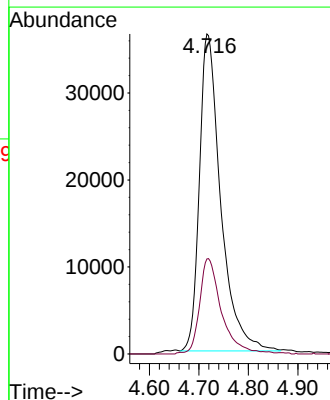
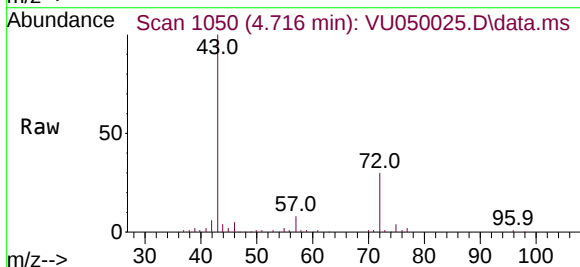
Acq: 29 Jul 2022 09:42

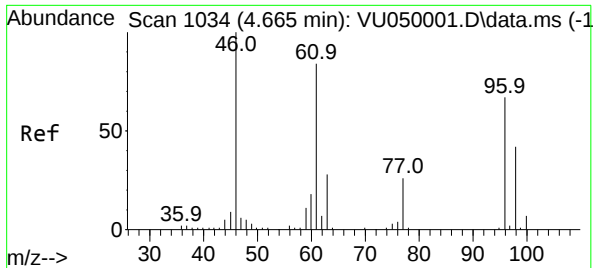
Tgt Ion: 43 Resp: 109102

Ion Ratio Lower Upper

43 100

72 30.8 15.8 47.3

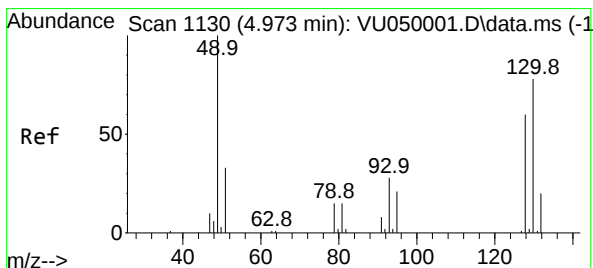
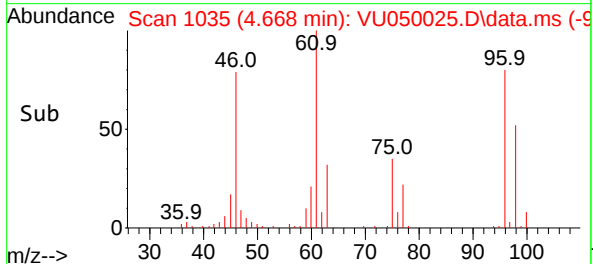
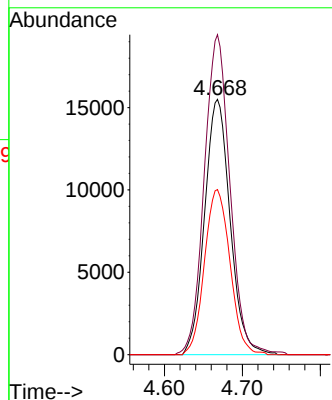
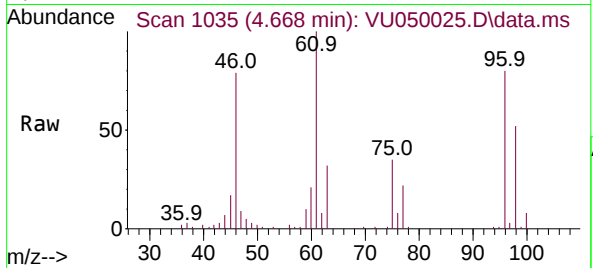




#22
cis-1,2-Dichloroethene
Concen: 5.185 ug/L
RT: 4.668 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

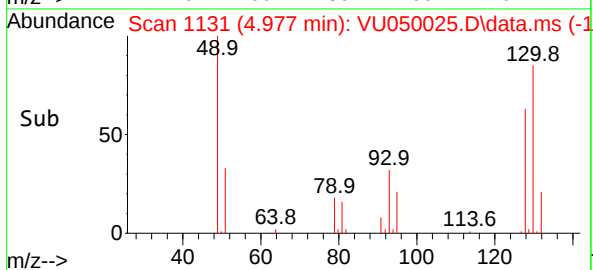
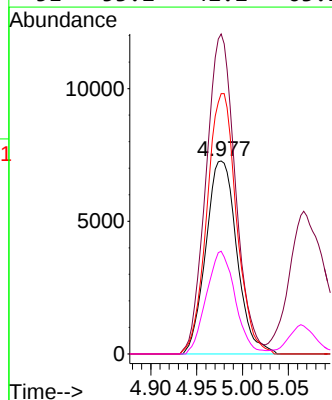
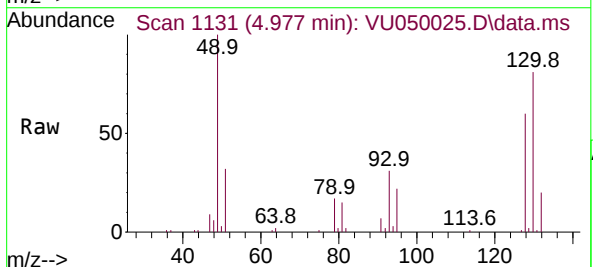
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

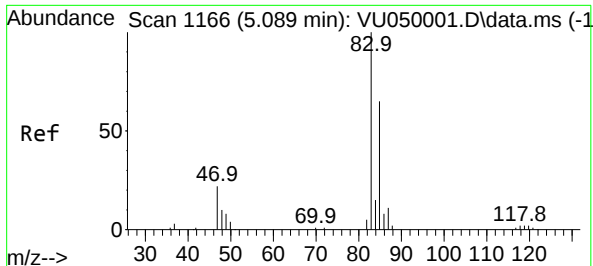
Tgt Ion: 96 Resp: 35380
Ion Ratio Lower Upper
96 100
61 125.3 87.2 161.9
98 64.7 44.7 83.1



#23
Bromochloromethane
Concen: 5.459 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 128 Resp: 17056
Ion Ratio Lower Upper
128 100
49 165.9 111.4 207.0
130 134.9 88.7 164.7
51 53.2 42.2 63.2





#25

Chloroform

Concen: 5.042 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

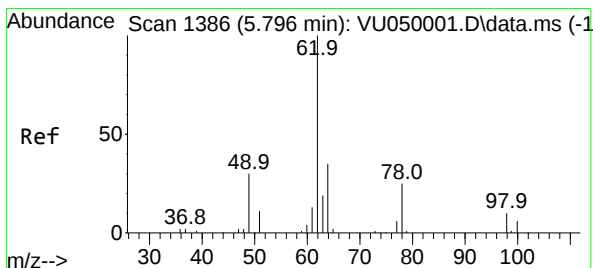
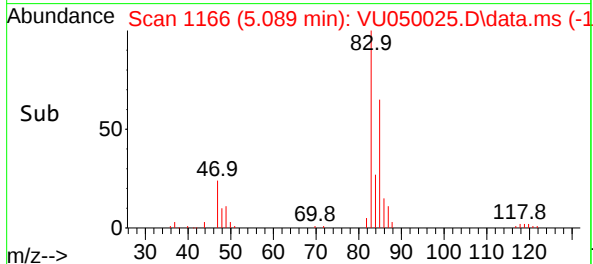
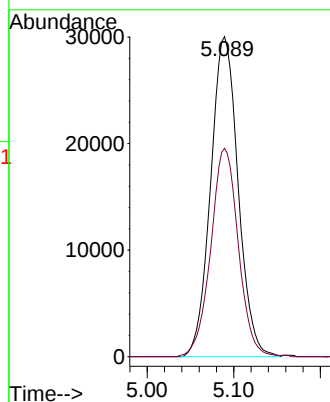
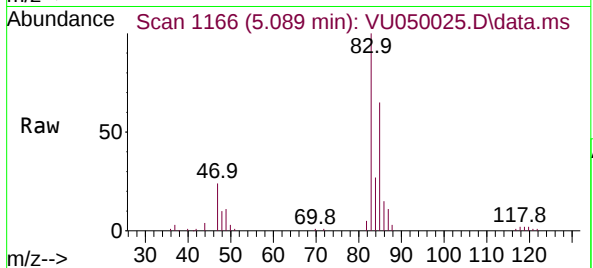
VSTD005140

Tgt Ion: 83 Resp: 66167

Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.4



#27

1,2-Dichloroethane

Concen: 5.406 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050025.D

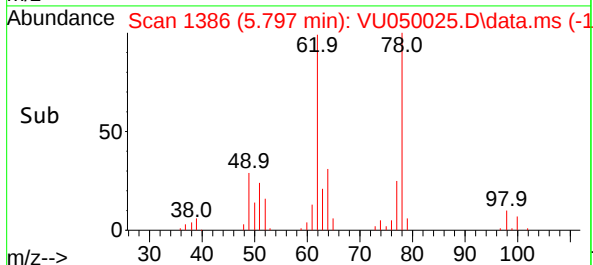
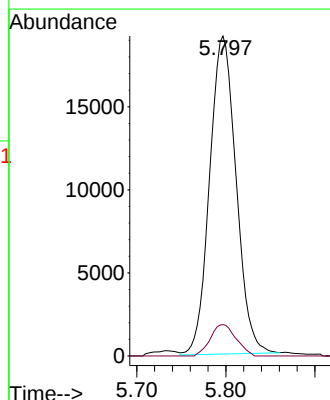
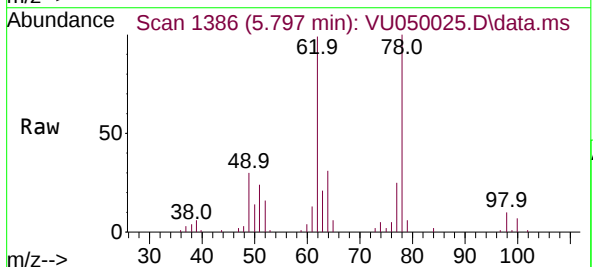
Acq: 29 Jul 2022 09:42

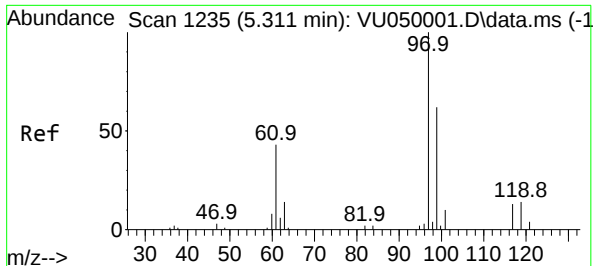
Tgt Ion: 62 Resp: 39589

Ion Ratio Lower Upper

62 100

98 9.8 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 5.204 ug/L

RT: 5.318 min Scan# 1235

Delta R.T. 0.007 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD005140

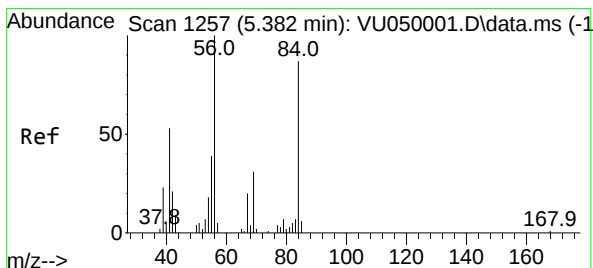
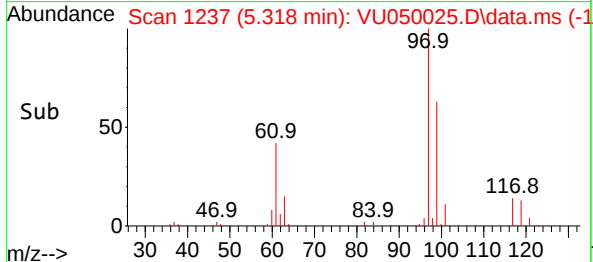
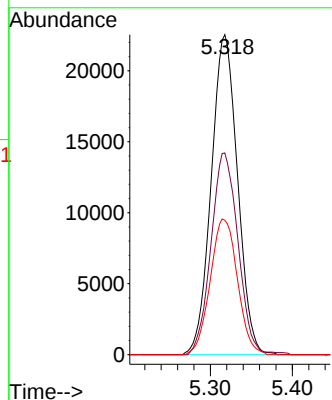
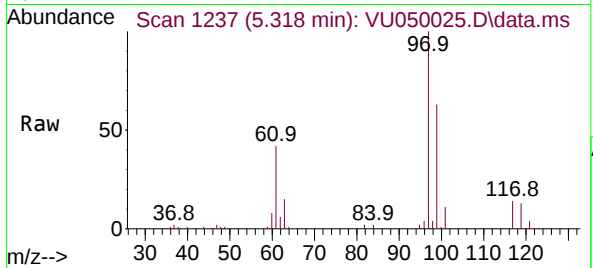
Tgt Ion: 97 Resp: 50315

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

61 43.9 35.0 52.6



#30

Cyclohexane

Concen: 4.961 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.007 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

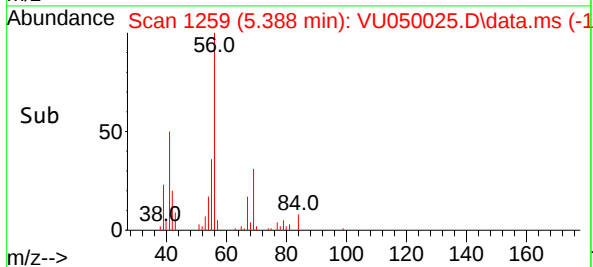
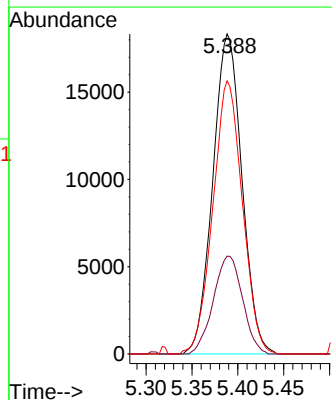
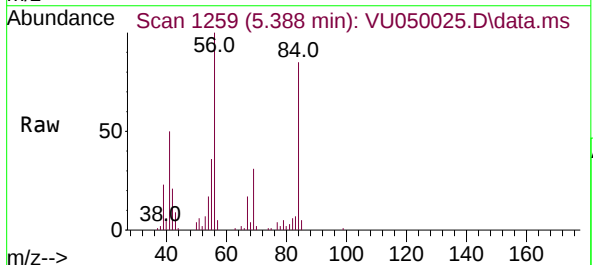
Tgt Ion: 56 Resp: 40485

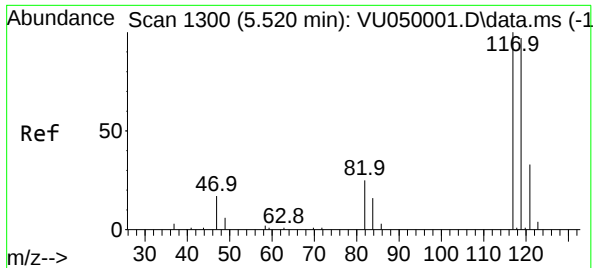
Ion Ratio Lower Upper

56 100

69 30.6 25.1 37.7

84 86.4 70.1 105.1

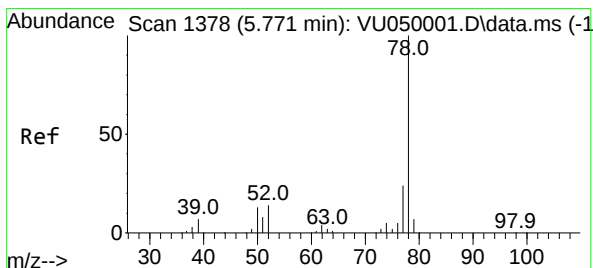
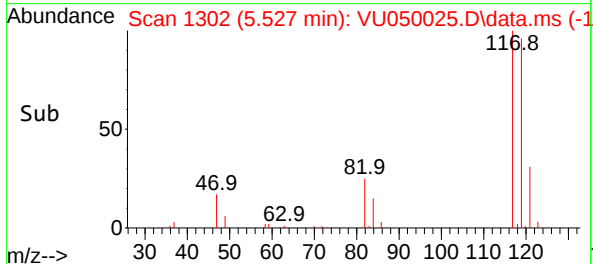
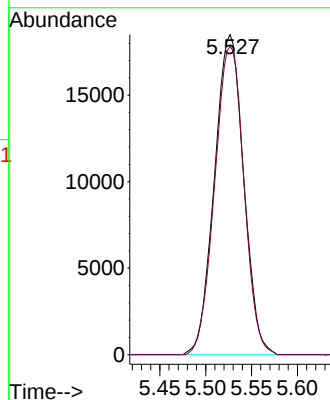
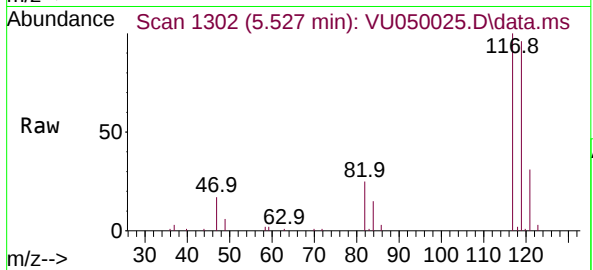




#31
Carbon tetrachloride
Concen: 5.208 ug/L
RT: 5.527 min Scan# 1117
Delta R.T. 0.007 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

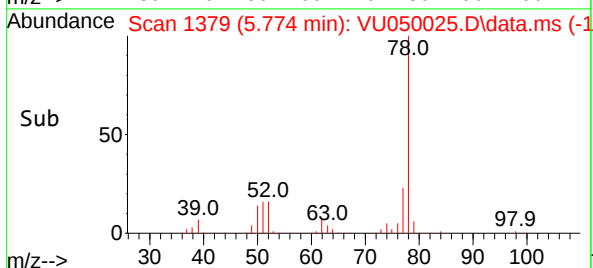
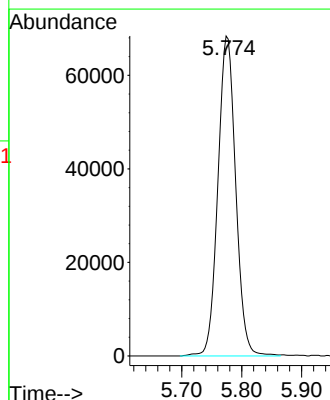
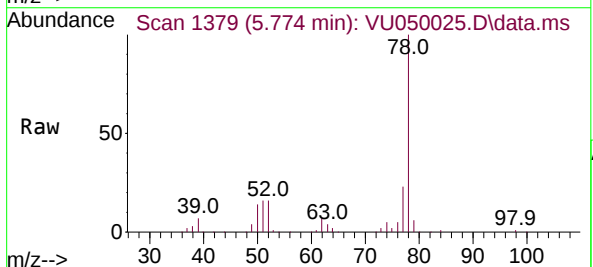
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

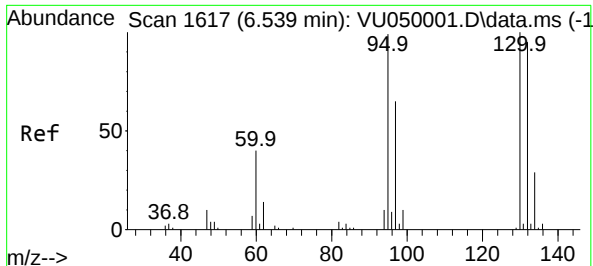
Tgt Ion:117 Resp: 40904
Ion Ratio Lower Upper
117 100
119 96.6 77.8 116.6



#33
Benzene
Concen: 5.289 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 78 Resp: 140563



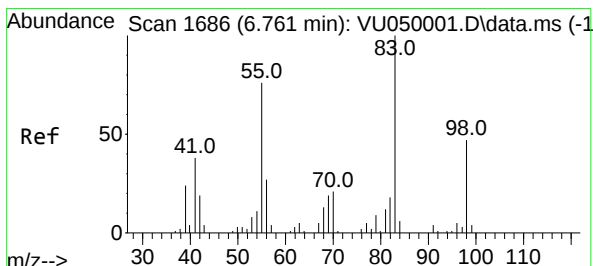
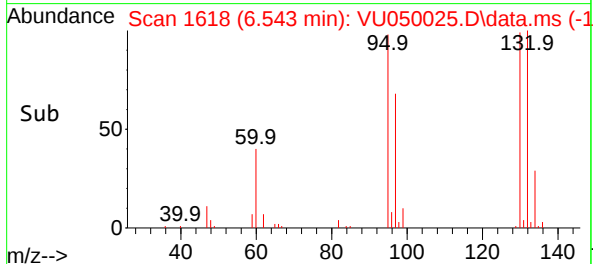
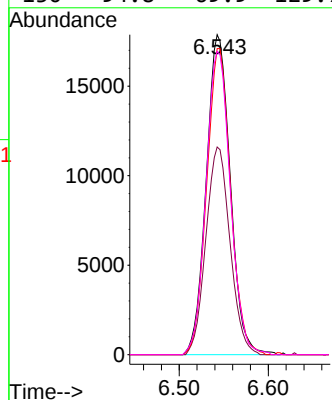
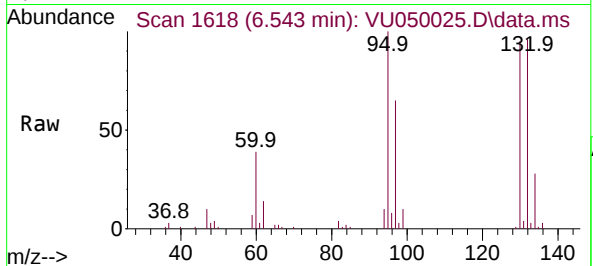


#34
Trichloroethene
Concen: 5.197 ug/L
RT: 6.543 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

Tgt Ion: 95 Resp: 33574

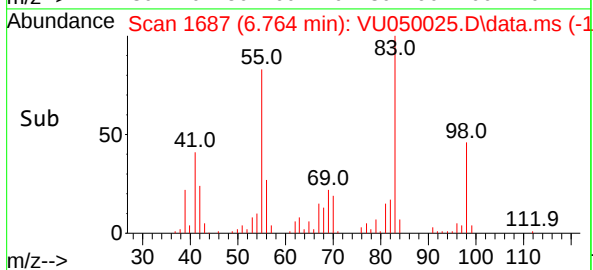
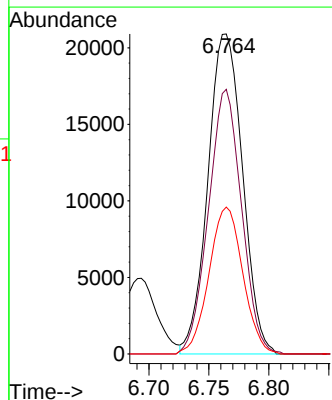
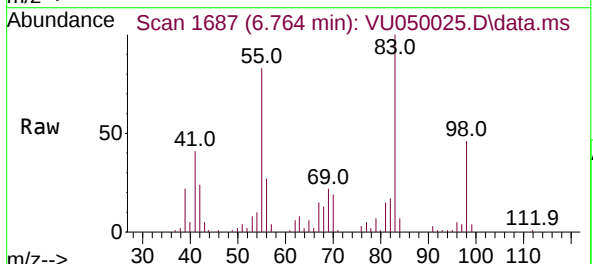
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.6	84.8
132	95.7	66.8	124.2
130	94.8	69.9	129.7

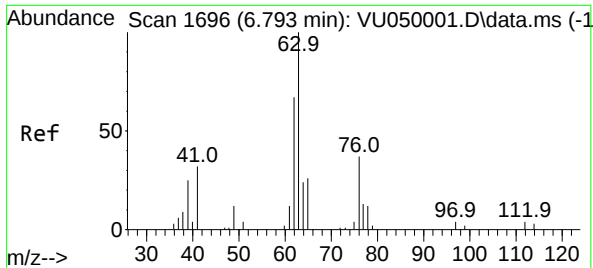


#35
Methylcyclohexane
Concen: 4.929 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 83 Resp: 41996

Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.6	92.4
98	44.8	34.8	52.2





#37

1,2-Dichloropropane

Concen: 5.315 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

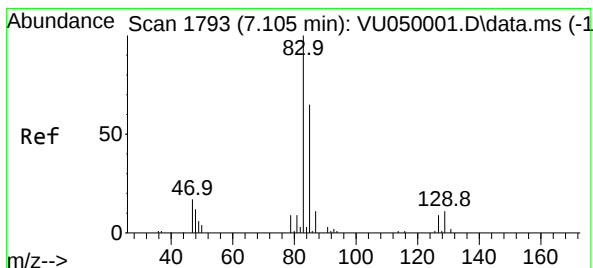
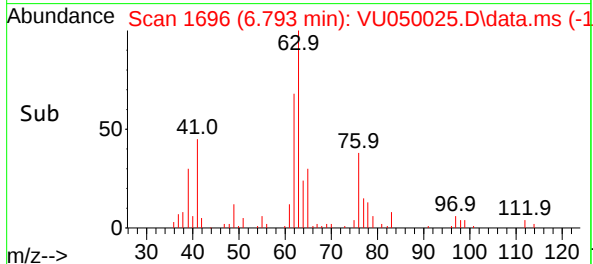
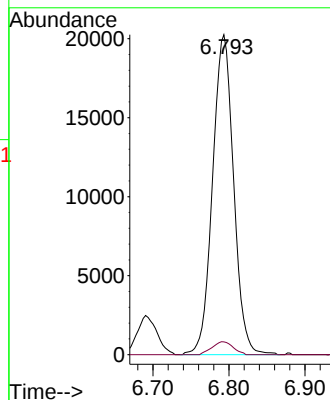
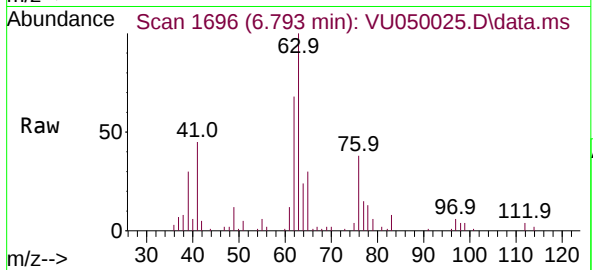
VSTD005140

Tgt Ion: 63 Resp: 38932

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#38

Bromodichloromethane

Concen: 5.334 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

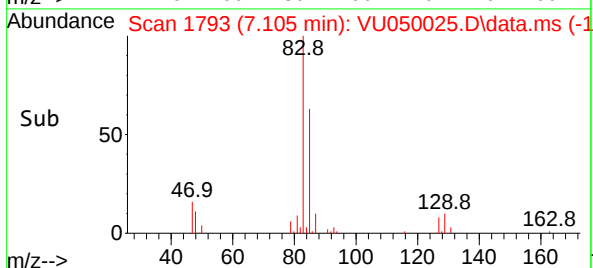
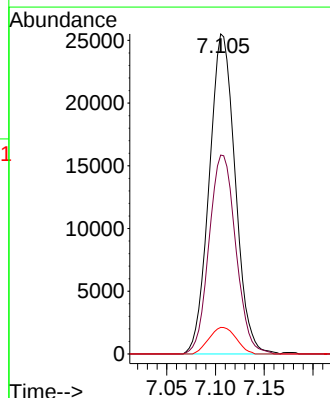
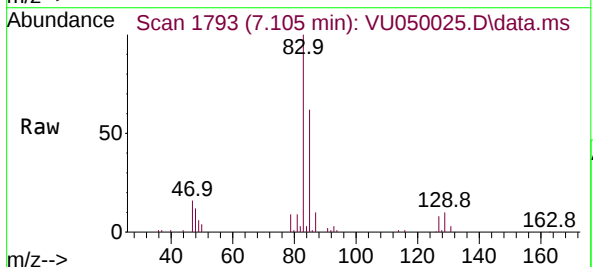
Tgt Ion: 83 Resp: 47271

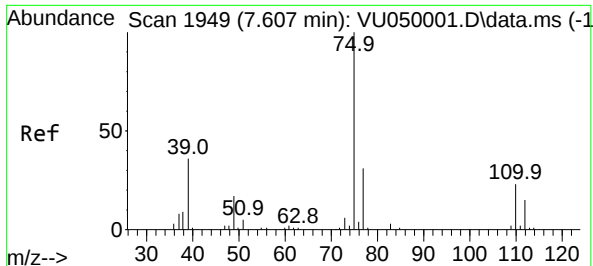
Ion Ratio Lower Upper

83 100

85 62.1 44.9 83.5

127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.374 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

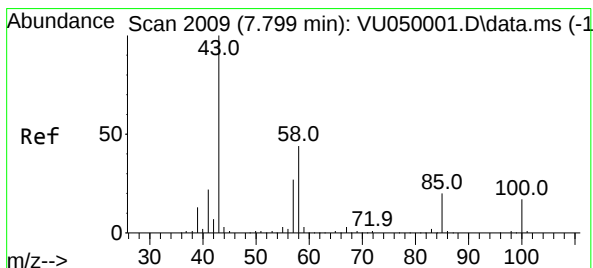
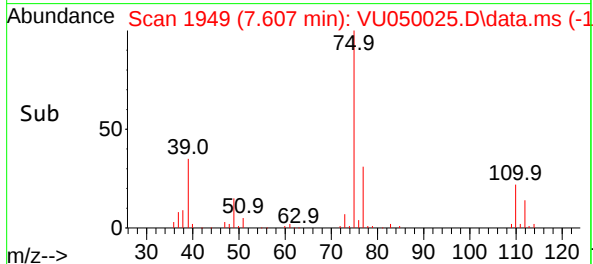
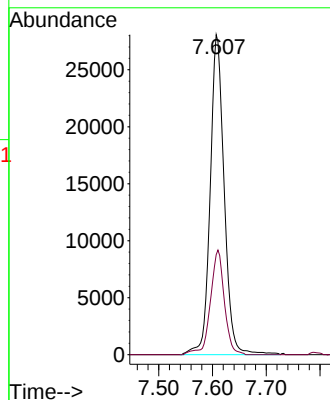
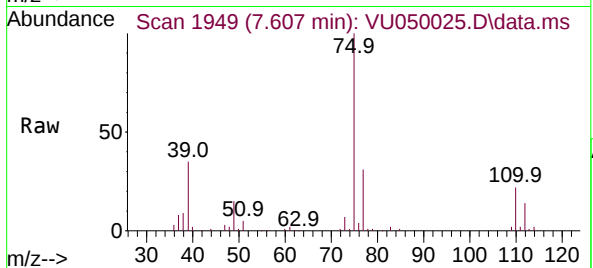
VSTD005140

Tgt Ion: 75 Resp: 50937

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 57.078 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.006 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

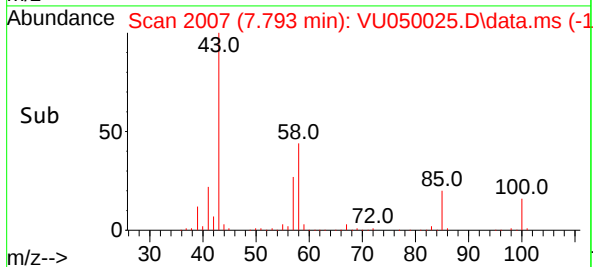
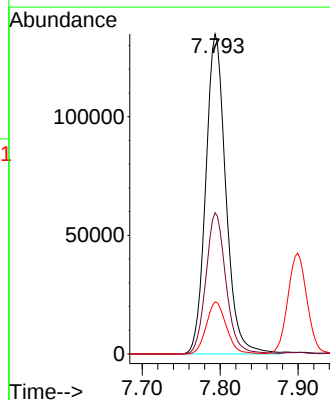
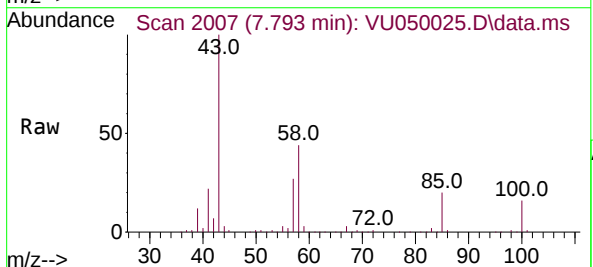
Tgt Ion: 43 Resp: 241548

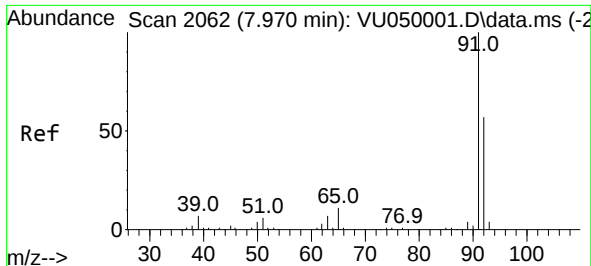
Ion Ratio Lower Upper

43 100

58 44.1 35.5 53.3

100 16.3 13.2 19.8

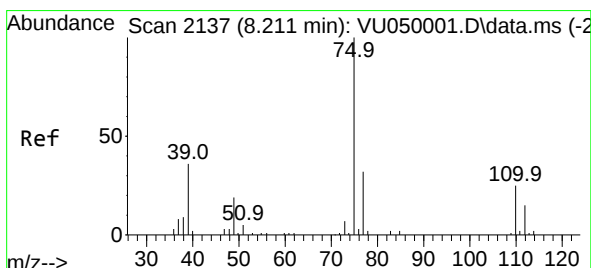
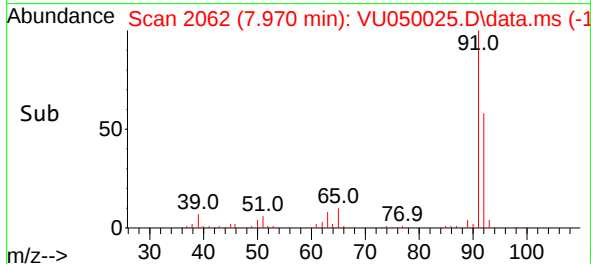
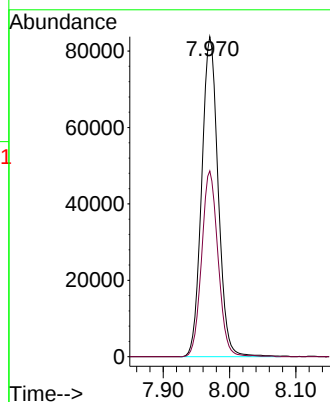
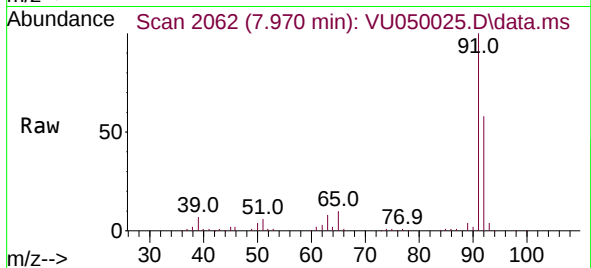




#42
Toluene
Concen: 5.342 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

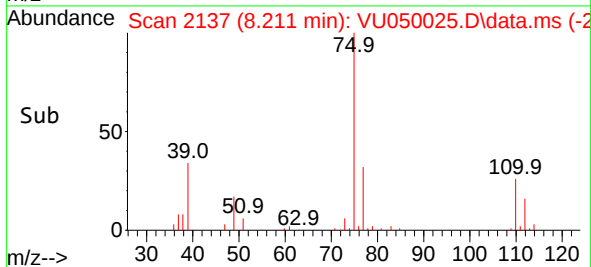
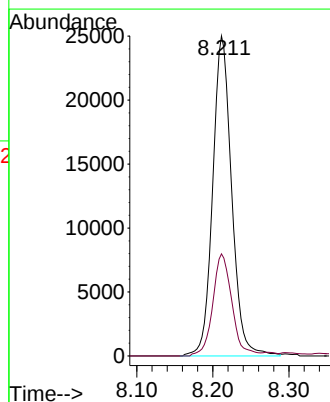
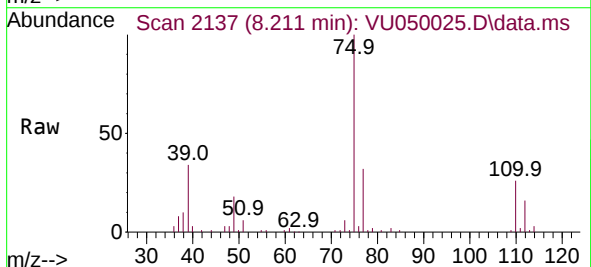
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

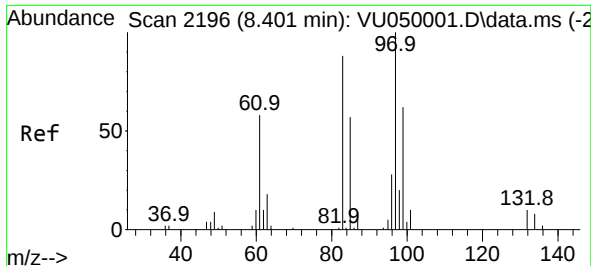
Tgt Ion: 91 Resp: 144367
Ion Ratio Lower Upper
91 100
92 58.1 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 5.442 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 75 Resp: 43314
Ion Ratio Lower Upper
75 100
77 31.9 24.1 44.8

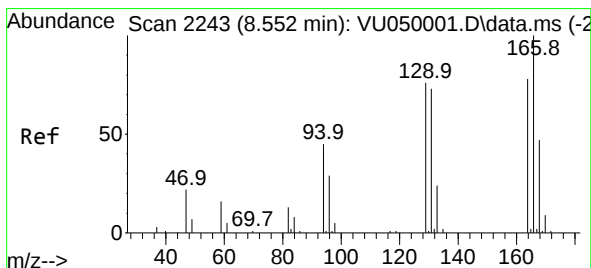
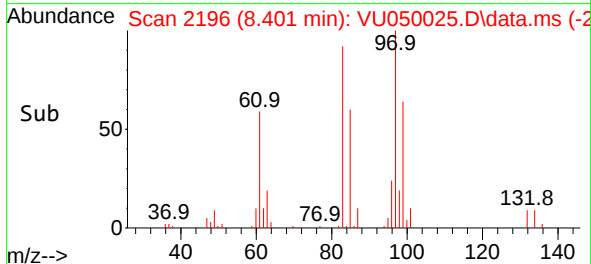
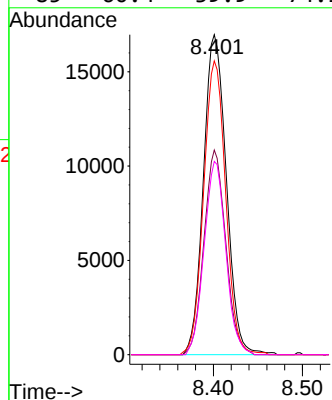
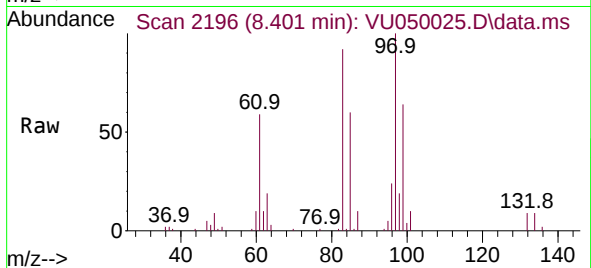




#45
1,1,2-Trichloroethane
Concen: 5.530 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

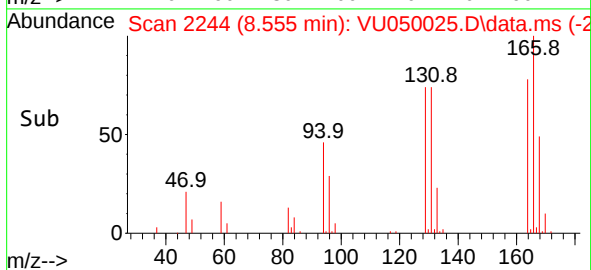
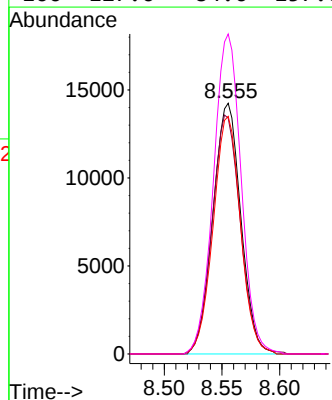
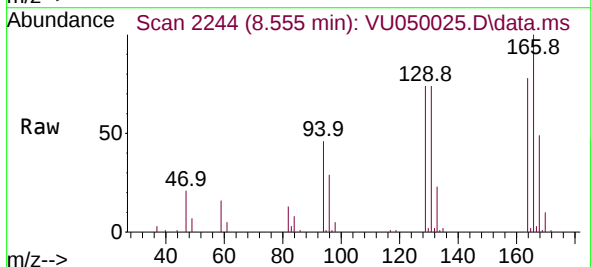
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

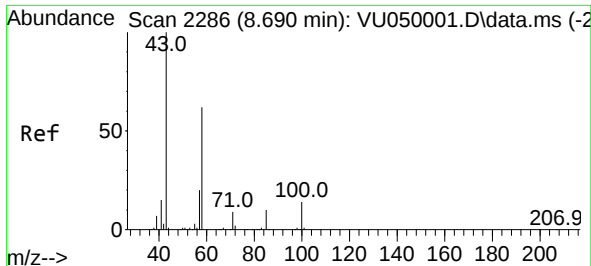
Tgt Ion:	97	Resp:	30265
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.5	80.9
83	91.8	59.9	111.3
85	60.4	39.9	74.1



#47
Tetrachloroethene
Concen: 5.157 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion:	164	Resp:	23978
Ion	Ratio	Lower	Upper
164	100		
129	94.0	66.3	123.1
131	94.8	63.1	117.1
166	127.6	84.6	157.0

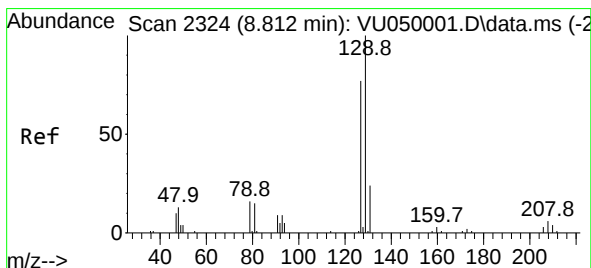
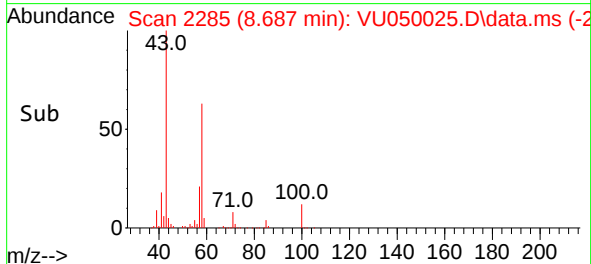
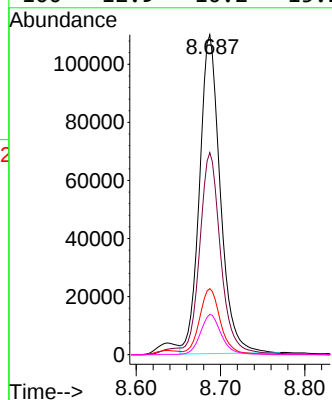
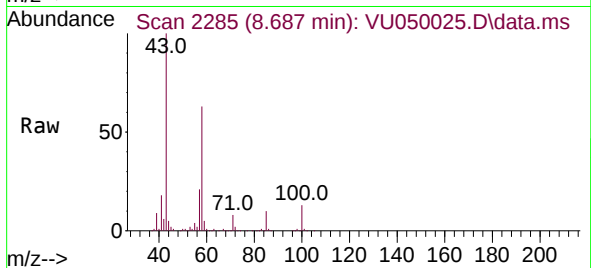




#48
2-Hexanone
Concen: 58.451 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

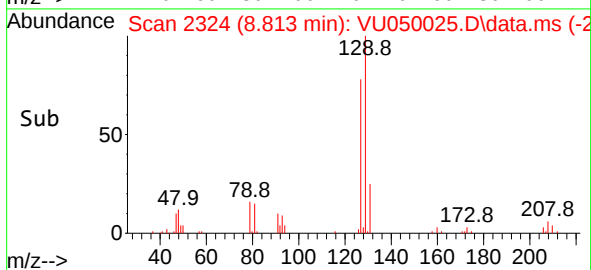
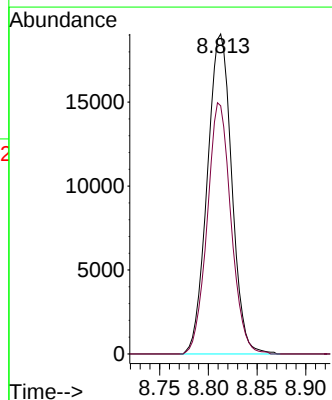
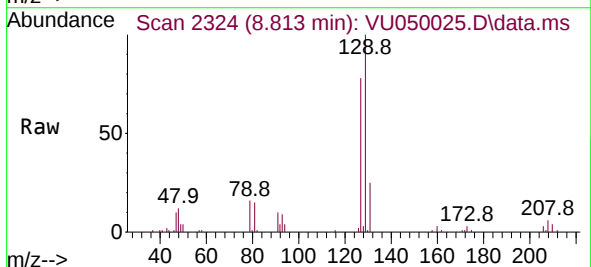
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

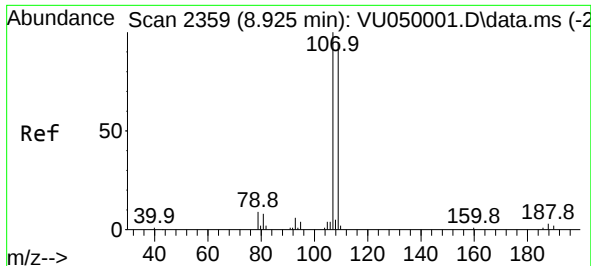
Tgt Ion: 43 Resp: 188562
Ion Ratio Lower Upper
43 100
58 66.2 49.4 74.0
57 20.9 17.0 25.4
100 12.9 10.2 15.2



#49
Dibromochloromethane
Concen: 5.562 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 129 Resp: 33310
Ion Ratio Lower Upper
129 100
127 77.5 54.5 101.1





#50

1,2-Dibromoethane

Concen: 5.583 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD005140

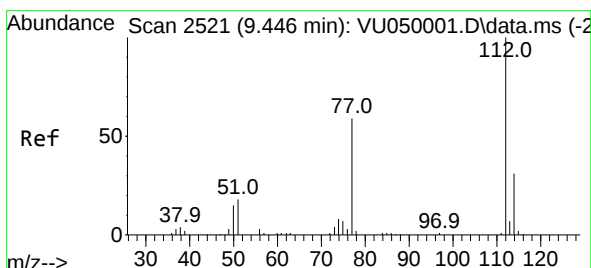
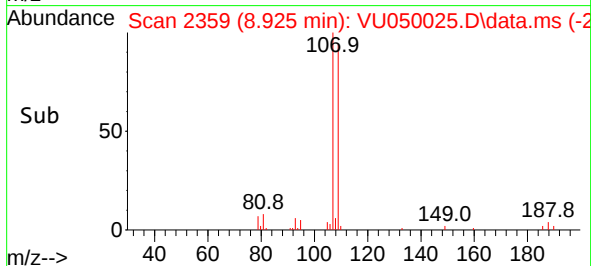
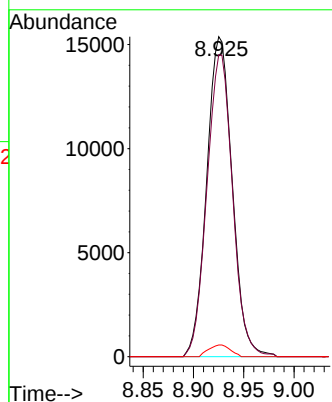
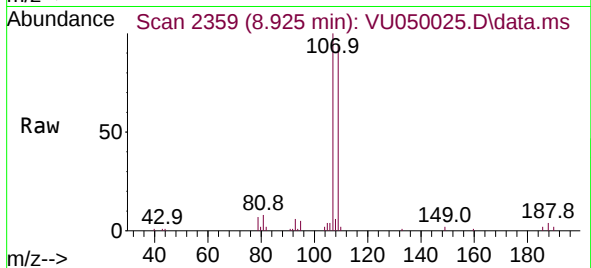
Tgt Ion:107 Resp: 27130

Ion Ratio Lower Upper

107 100

109 94.4 62.7 116.5

188 3.7 2.4 3.6#



#51

Chlorobenzene

Concen: 5.195 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

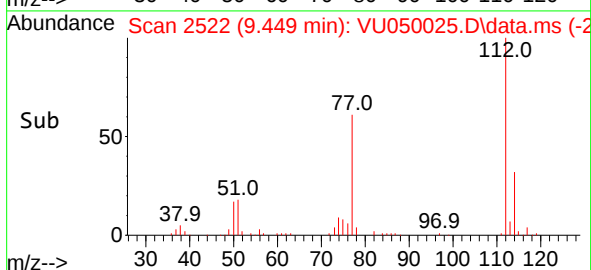
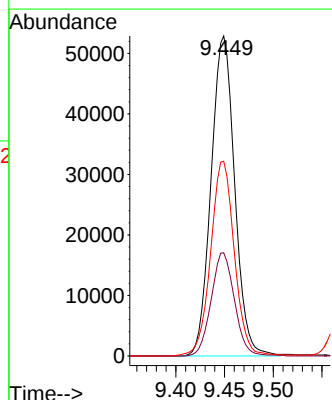
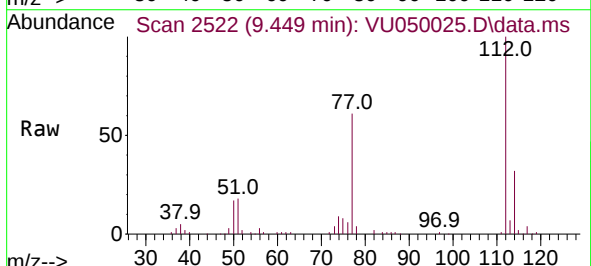
Tgt Ion:112 Resp: 89124

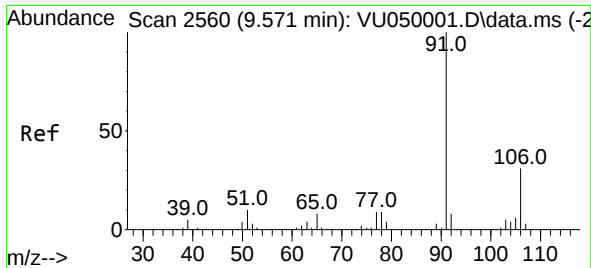
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 60.9 48.2 72.4

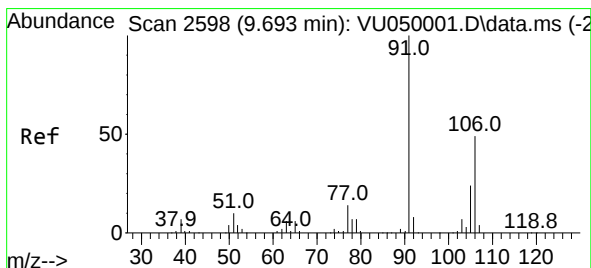
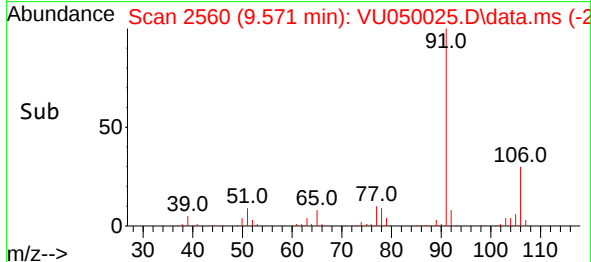
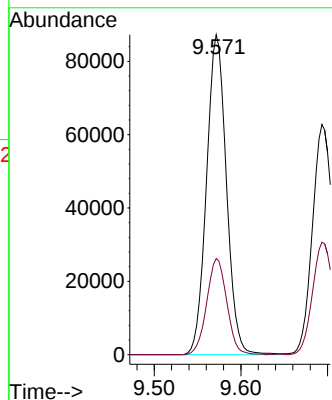
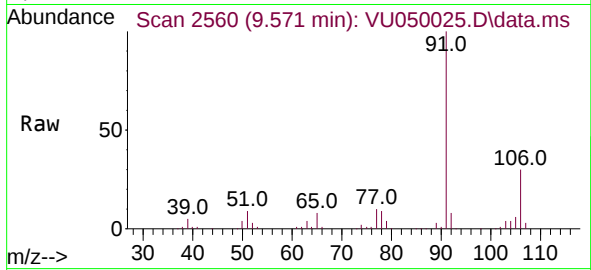




#52
Ethylbenzene
Concen: 5.263 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

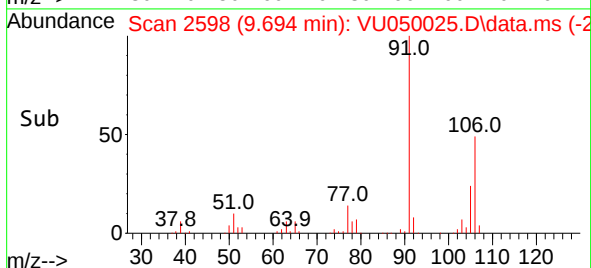
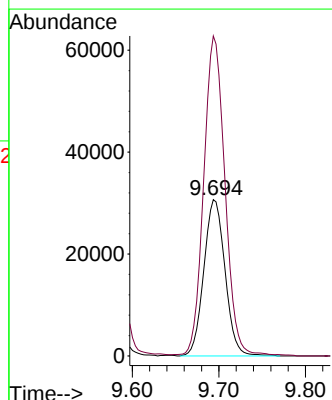
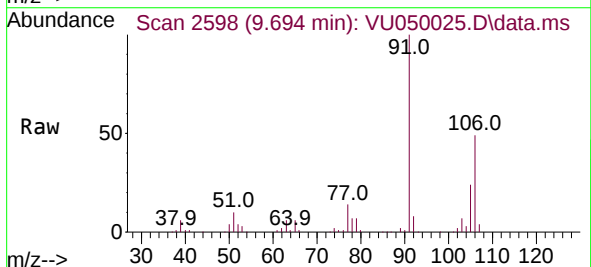
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

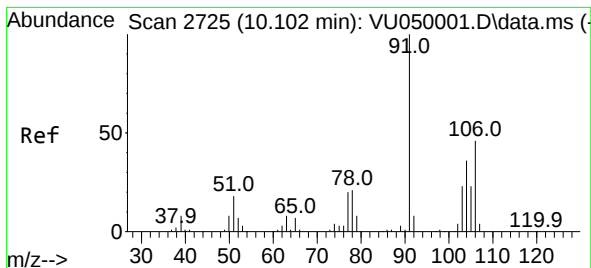
Tgt Ion: 91 Resp: 139311
Ion Ratio Lower Upper
91 100
106 30.1 21.6 40.0



#53
m,p-Xylene
Concen: 5.185 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 106 Resp: 52270
Ion Ratio Lower Upper
106 100
91 204.7 142.4 264.4





#54

o-Xylene

Concen: 5.378 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

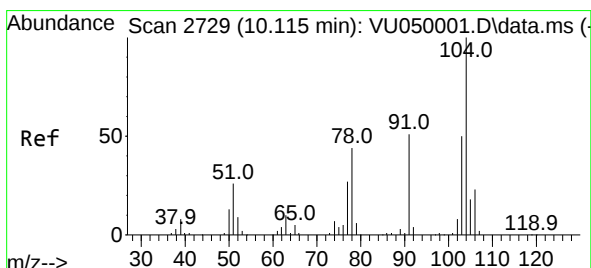
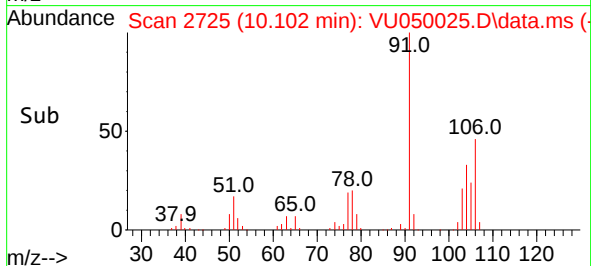
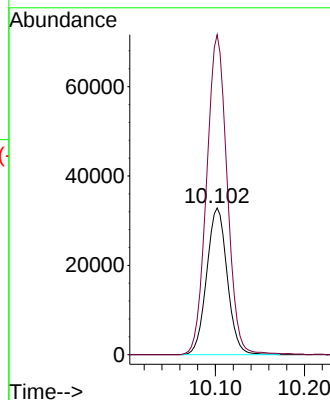
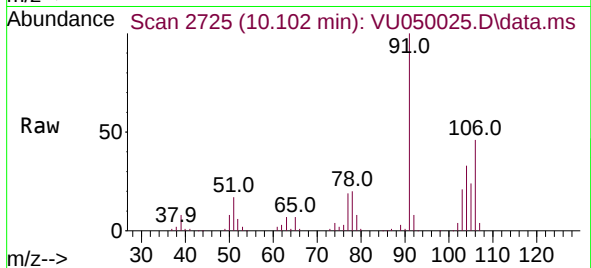
VSTD005140

Tgt Ion:106 Resp: 52558

Ion Ratio Lower Upper

106 100

91 218.1 148.7 276.1



#55

Styrene

Concen: 5.397 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU050025.D

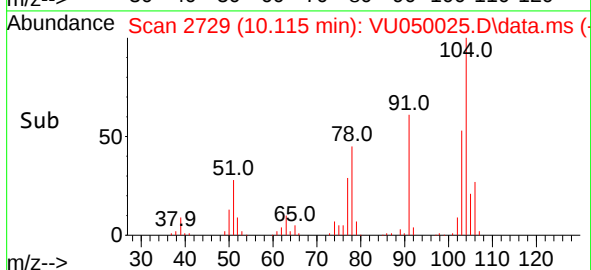
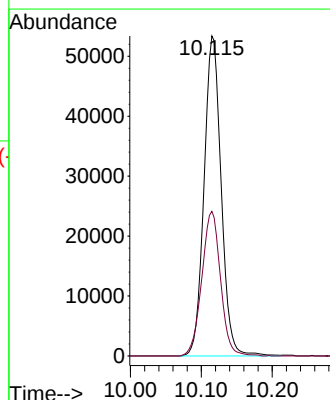
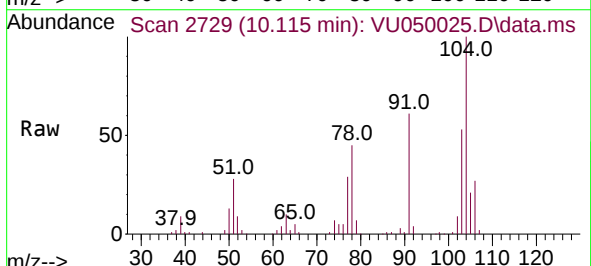
Acq: 29 Jul 2022 09:42

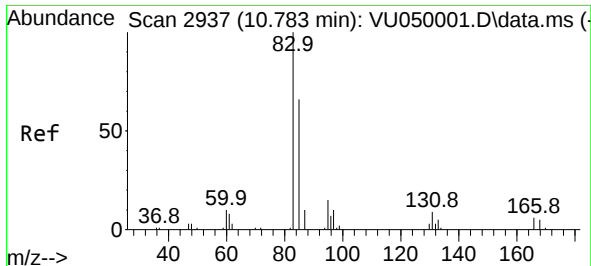
Tgt Ion:104 Resp: 89845

Ion Ratio Lower Upper

104 100

78 45.2 30.9 57.3

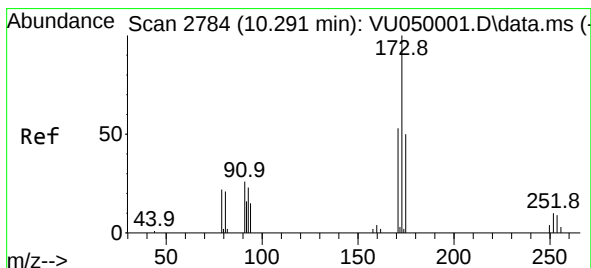
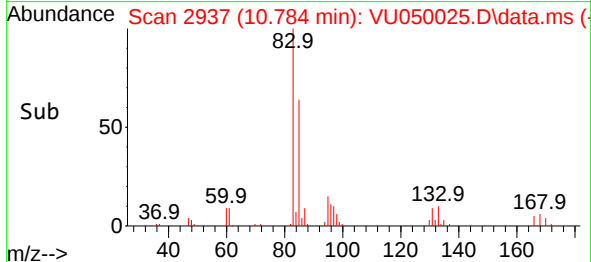
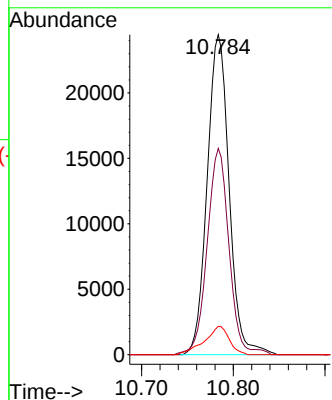
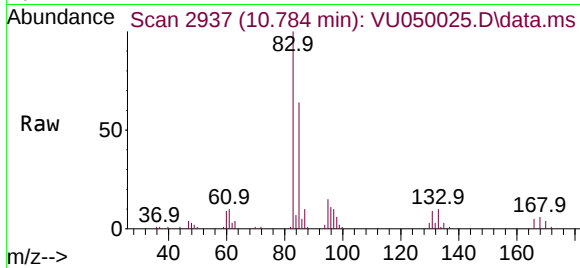




#57
1,1,2,2-Tetrachloroethane
Concen: 5.702 ug/L
RT: 10.784 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

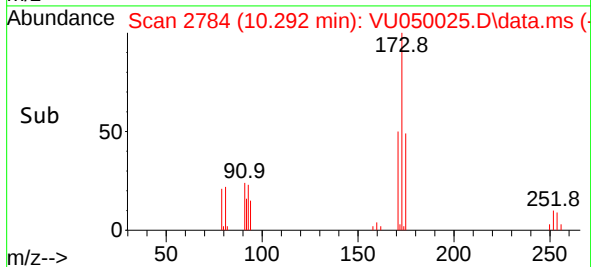
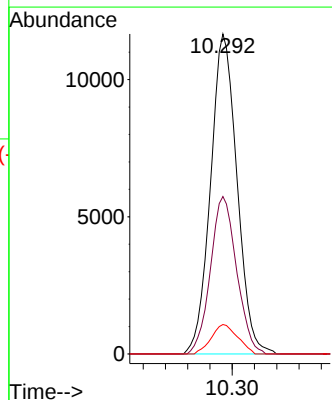
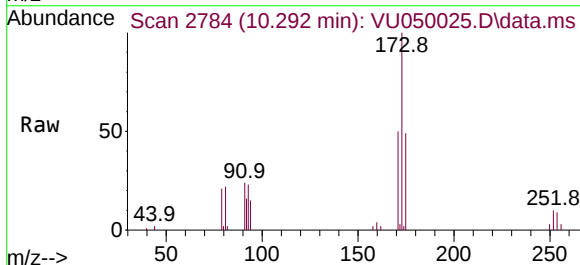
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

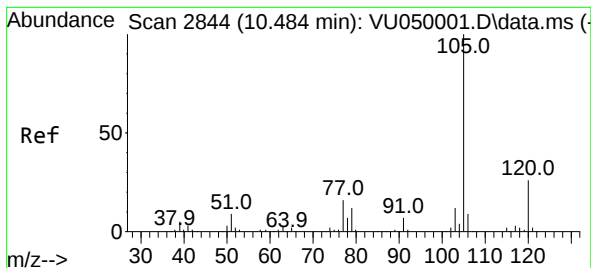
Tgt Ion: 83 Resp: 40621
Ion Ratio Lower Upper
83 100
85 64.5 46.6 86.6
131 8.8 7.9 11.9



#59
Bromoform
Concen: 5.546 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion: 173 Resp: 19220
Ion Ratio Lower Upper
173 100
175 48.6 39.1 58.7
254 9.2 7.5 11.3





#60

Isopropylbenzene

Concen: 5.108 ug/L

RT: 10.485 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD005140

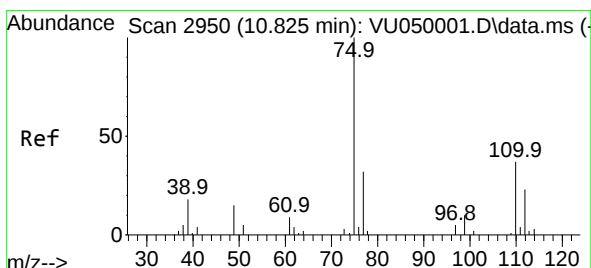
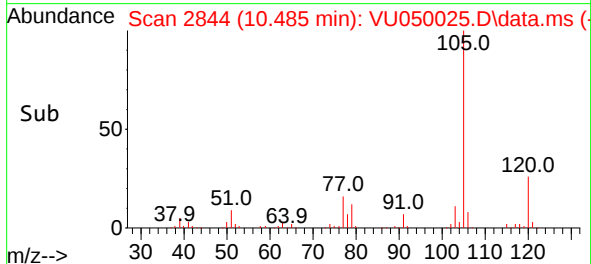
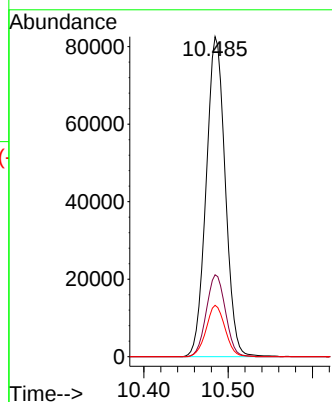
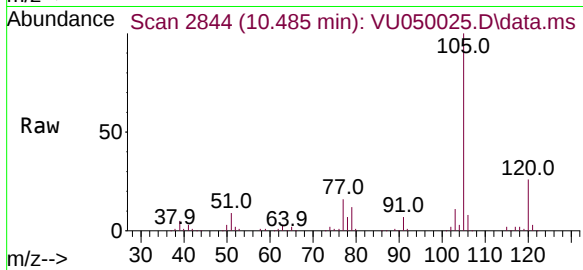
Tgt Ion:105 Resp: 130106

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

77 15.9 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.543 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

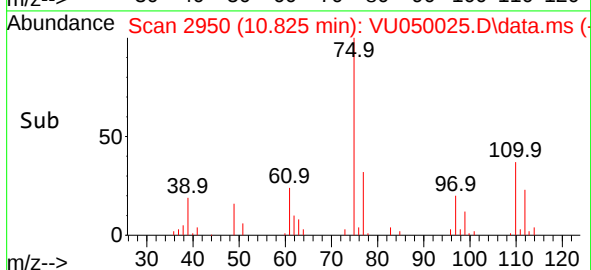
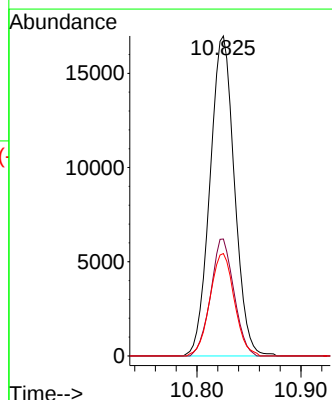
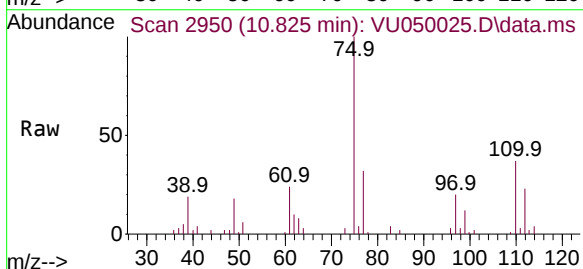
Tgt Ion: 75 Resp: 27758

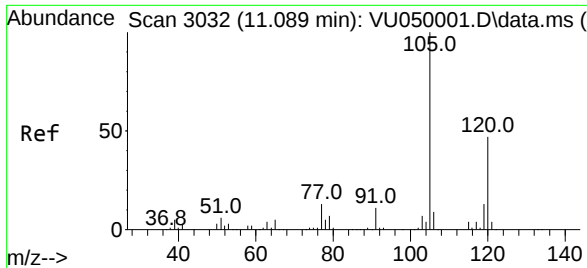
Ion Ratio Lower Upper

75 100

110 34.7 28.1 42.1

77 32.0 24.7 37.1

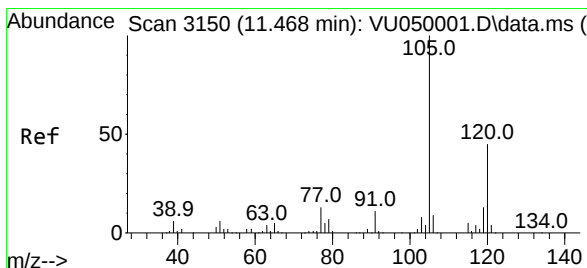
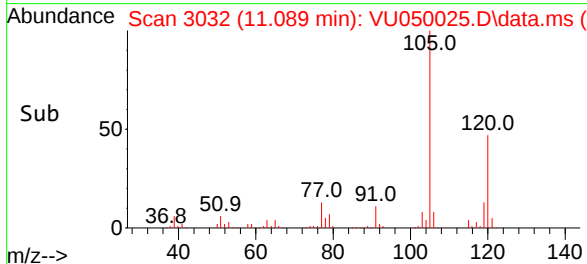
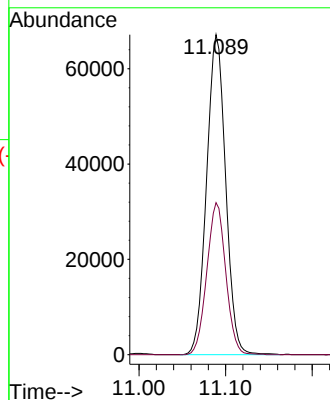
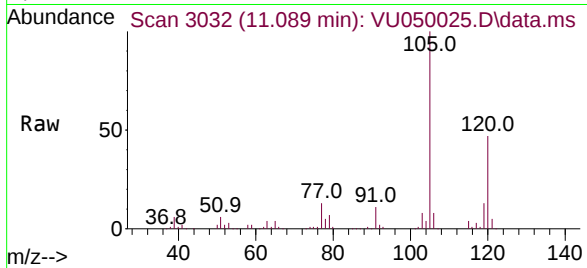




#62
1,3,5-Trimethylbenzene
Concen: 4.958 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

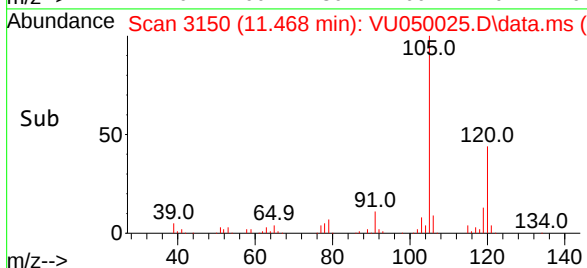
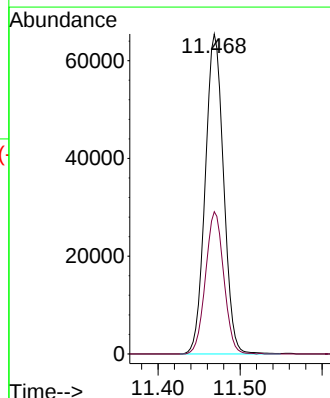
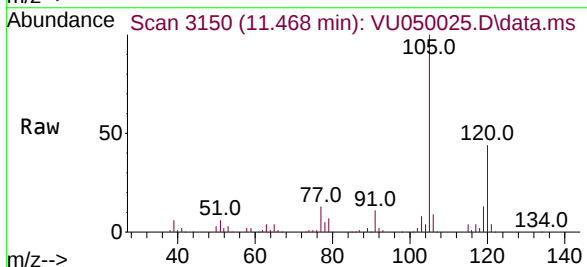
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

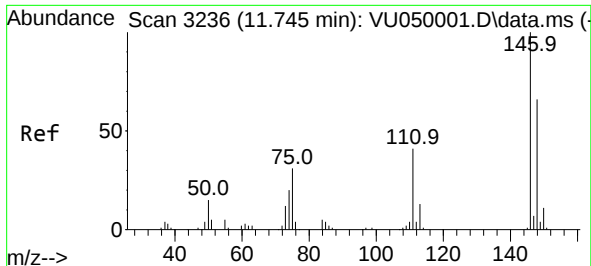
Tgt Ion:105 Resp: 102604
Ion Ratio Lower Upper
105 100
120 47.2 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 5.062 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion:105 Resp: 101516
Ion Ratio Lower Upper
105 100
120 44.2 35.4 53.2

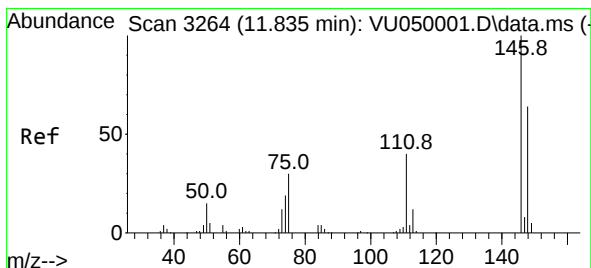
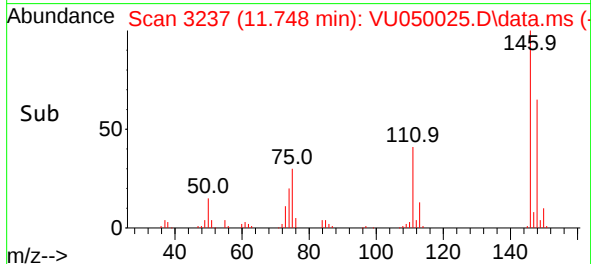
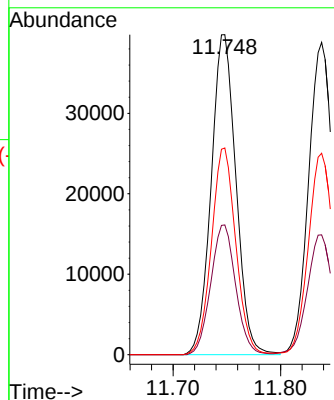
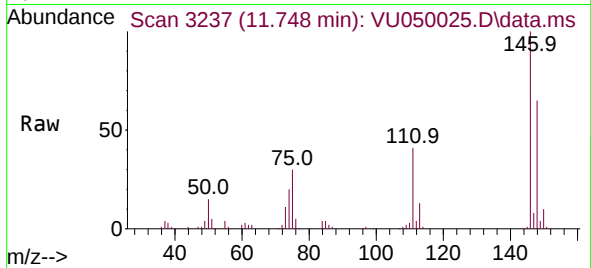




#64
1,3-Dichlorobenzene
Concen: 5.221 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

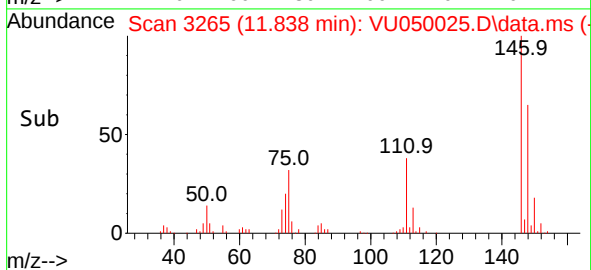
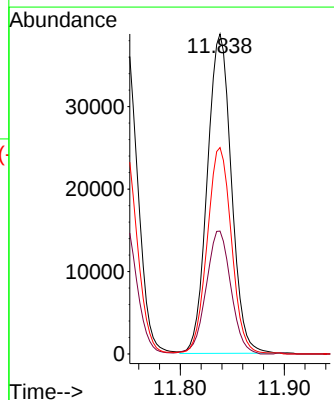
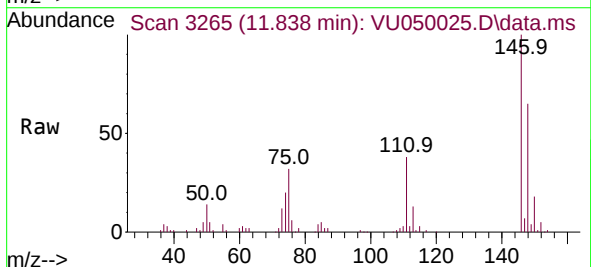
Instrument :
MSVOA_U
ClientSampleId :
VSTD005140

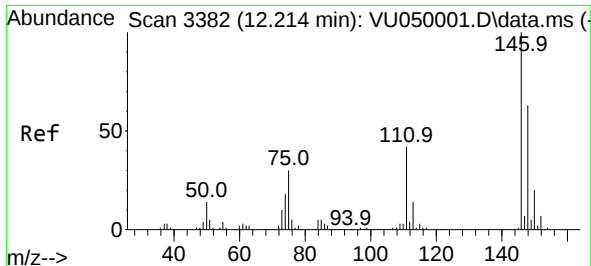
Tgt Ion:146 Resp: 63684
Ion Ratio Lower Upper
146 100
111 40.6 28.9 53.7
148 64.6 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 5.166 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion:146 Resp: 62346
Ion Ratio Lower Upper
146 100
111 38.4 26.4 49.0
148 64.5 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.202 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD005140

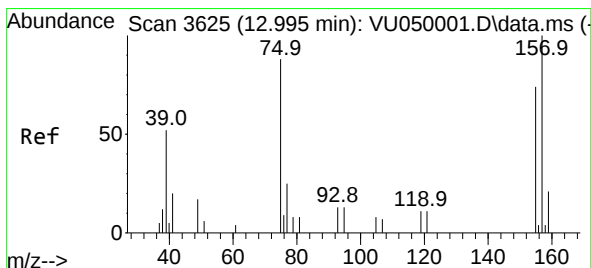
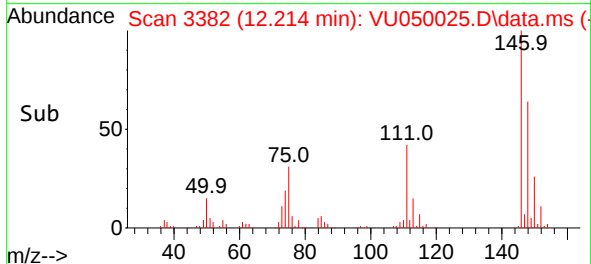
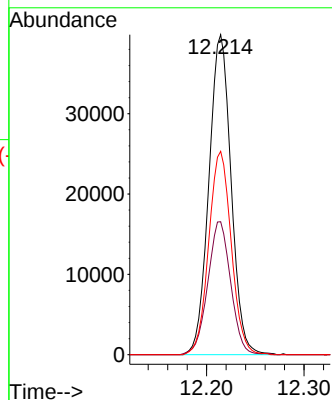
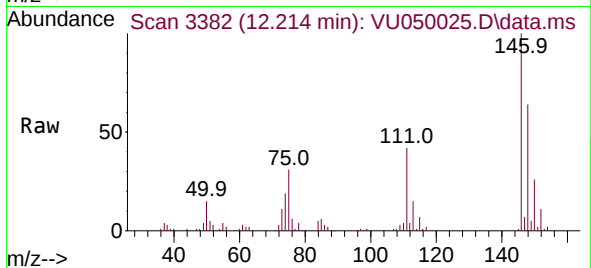
Tgt Ion:146 Resp: 63041

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.2

148 63.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.773 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU050025.D

Acq: 29 Jul 2022 09:42

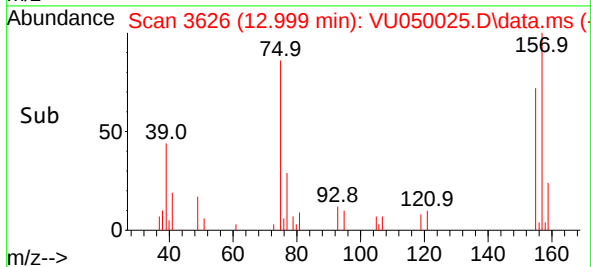
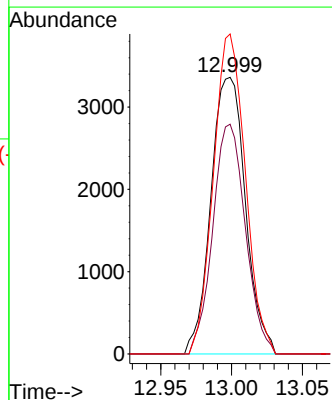
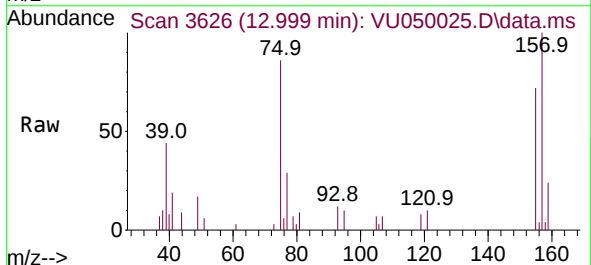
Tgt Ion: 75 Resp: 5710

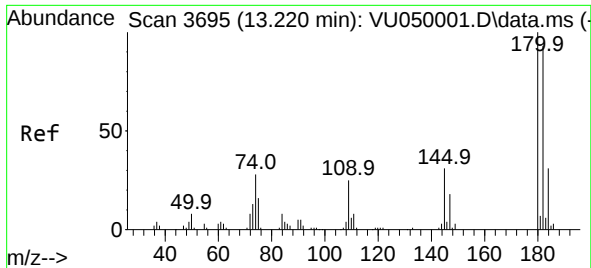
Ion Ratio Lower Upper

75 100

155 83.1 59.4 89.0

157 115.7 73.8 110.6#

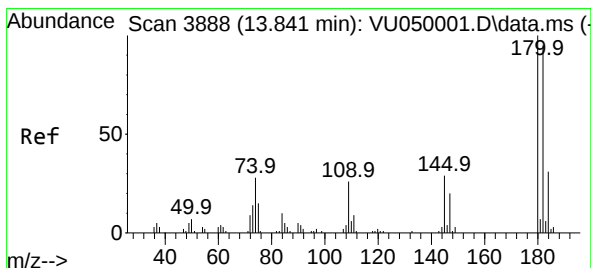
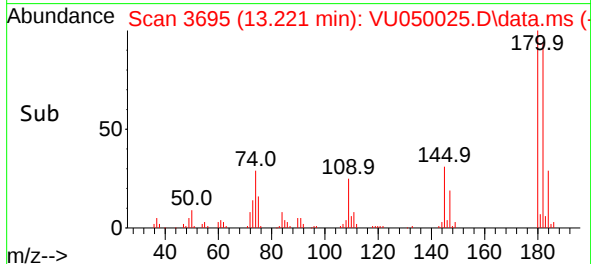
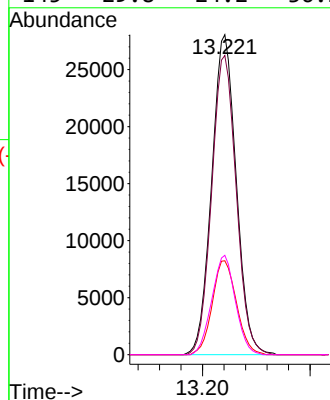
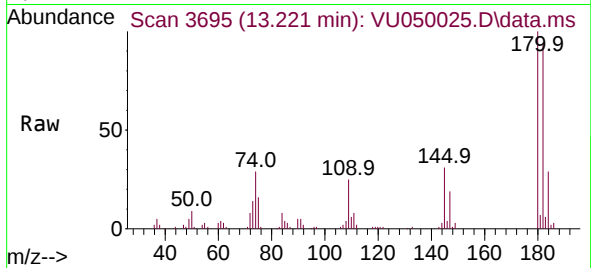




#69
 1,3,5-Trichlorobenzene
 Concen: 5.047 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU050025.D
 Acq: 29 Jul 2022 09:42

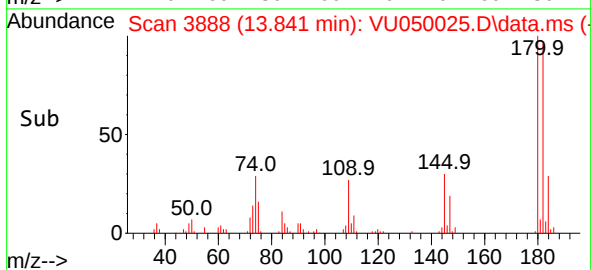
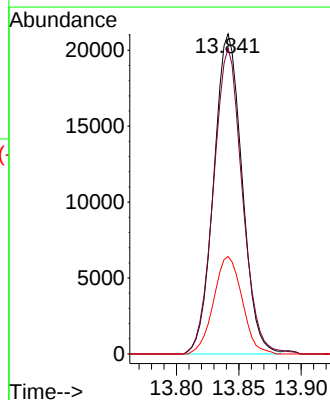
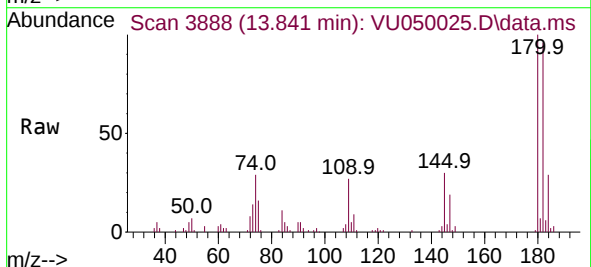
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005140

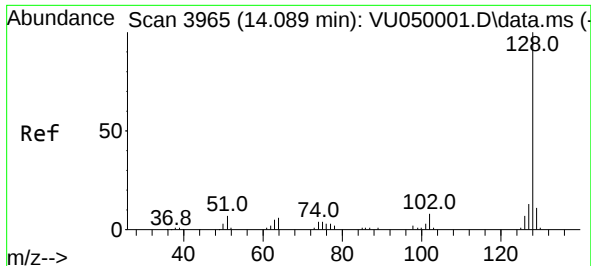
Tgt Ion:180	Resp:	44383
Ion Ratio	Lower	Upper
180	100	
182	93.5	77.2 115.8
184	29.1	23.9 35.9
145	29.8	24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.745 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050025.D
 Acq: 29 Jul 2022 09:42

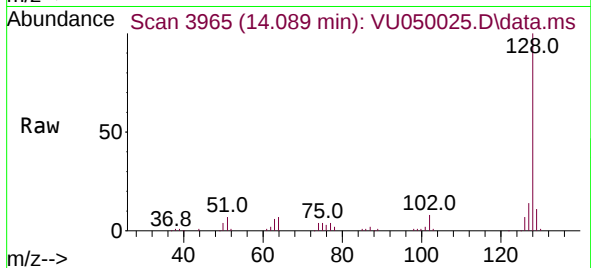
Tgt Ion:180	Resp:	33287
Ion Ratio	Lower	Upper
180	100	
182	97.3	75.8 113.6
145	30.6	23.8 35.8





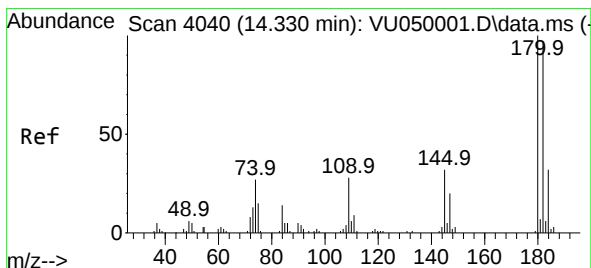
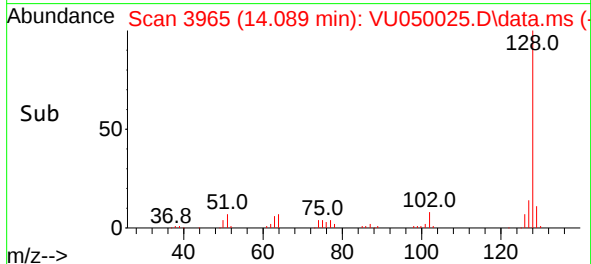
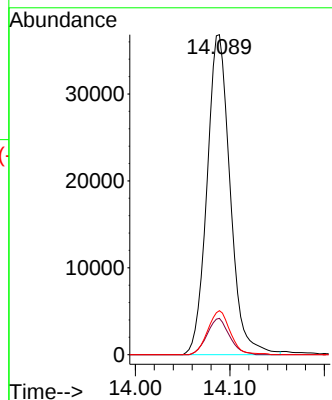
#71
Naphthalene
Concen: 4.503 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD005140



Tgt Ion:128 Resp: 62636

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	13.3	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 4.873 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050025.D
Acq: 29 Jul 2022 09:42

Tgt Ion:180 Resp: 33928

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
145	31.7	26.3	39.5

