

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
 Data File : VU052553.D
 Acq On : 27 Dec 2022 10:19
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005118

Quant Time: Dec 28 01:15:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	172073	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	163443	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	88350	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	75306	4.320	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.916	69	70677	4.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.568	65	33371	4.449	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.645	46	305692	56.547	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.100%
24) Chloroform-d	5.060	84	153587	5.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	5.700	65	84811	4.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.726	84	296040	5.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.600%
36) 1,2-Dichloropropane-d6	6.687	67	101851	5.280	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.896	98	261089	5.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.000%
43) trans-1,3-Dichloroprop...	8.176	79	38262	5.793	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.800%
46) 2-Hexanone-d5	8.632	63	220681	61.067	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.140%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	91196	5.568	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	92599	5.148	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	77080	5.034	ug/L	100
3) Chloromethane	1.523	50	114688	5.189	ug/L	99
5) Vinyl chloride	1.607	62	102462	5.114	ug/L	97
6) Bromomethane	1.861	94	44483	3.895	ug/L	100
8) Chloroethane	1.938	64	65043	4.740	ug/L	94
9) Trichlorofluoromethane	2.141	101	119971	5.296	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	71267	5.293	ug/L	98
12) 1,1-Dichloroethene	2.581	96	67594	5.245	ug/L	98
13) Acetone	2.665	43	198853	49.898	ug/L	99
14) Carbon disulfide	2.793	76	219994	5.298	ug/L	99
15) Methyl Acetate	2.960	43	46921	5.344	ug/L	100
16) Methylene chloride	3.047	84	87811	4.824	ug/L	99
17) Methyl tert-butyl Ether	3.362	73	178799	5.197	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	71385	5.375	ug/L	99
19) 1,1-Dichloroethane	3.867	63	154070	5.334	ug/L	100
21) 2-Butanone	4.722	43	316939	53.999	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	77366	5.308	ug/L	97
23) Bromochloromethane	4.970	128	35942	5.321	ug/L	92
25) Chloroform	5.086	83	143989	5.145	ug/L	98

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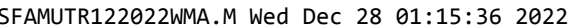
Instrument :
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 ClientSampleId :
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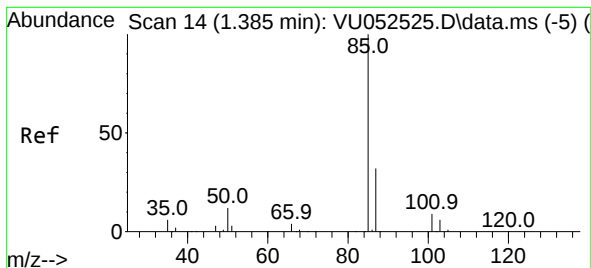
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	100687	5.208	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	117412	5.708	ug/L	97
30) Cyclohexane	5.388	56	123446	5.553	ug/L	99
31) Carbon tetrachloride	5.523	117	100321	5.550	ug/L	99
33) Benzene	5.771	78	321060	5.454	ug/L	100
34) Trichloroethene	6.539	95	72782	5.288	ug/L	99
35) Methylcyclohexane	6.761	83	114872	5.535	ug/L	98
37) 1,2-Dichloropropane	6.787	63	89546	5.451	ug/L	100
38) Bromodichloromethane	7.102	83	109090	5.456	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	117318	5.639	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	670085	55.819	ug/L	97
42) Toluene	7.967	91	322502	5.713	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	105717	5.766	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	62049	5.333	ug/L	97
47) Tetrachloroethene	8.552	164	54220	5.644	ug/L	99
48) 2-Hexanone	8.684	43	511688	56.547	ug/L	98
49) Dibromochloromethane	8.806	129	71098	5.771	ug/L	99
50) 1,2-Dibromoethane	8.922	107	57320	5.420	ug/L	98
51) Chlorobenzene	9.443	112	197328	5.474	ug/L	98
52) Ethylbenzene	9.568	91	321680	5.507	ug/L	99
53) m,p-Xylene	9.690	106	124279	5.770	ug/L	96
54) o-Xylene	10.095	106	121917	5.904	ug/L	97
55) Styrene	10.111	104	213802	5.952	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	89110	5.540	ug/L	99
59) Bromoform	10.288	173	39933	5.144	ug/L	99
60) Isopropylbenzene	10.481	105	313065	5.467	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	64243	5.070	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	250882	5.312	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	256539	5.396	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	151670	5.338	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	152644	5.195	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	146564	5.221	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	14194	4.949	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	108142	5.169	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	87051	4.945	ug/L	99
71) Naphthalene	14.082	128	165658	4.651	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	86395	4.896	ug/L	99

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

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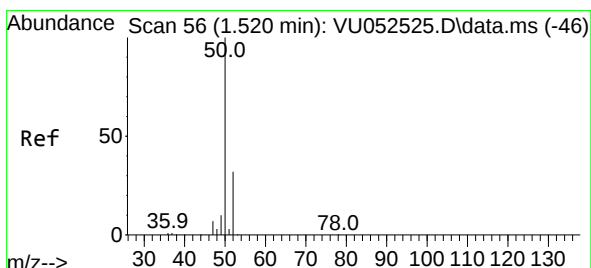
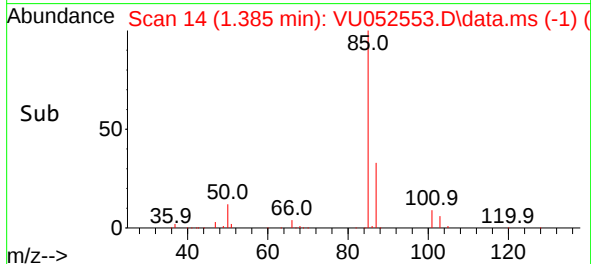
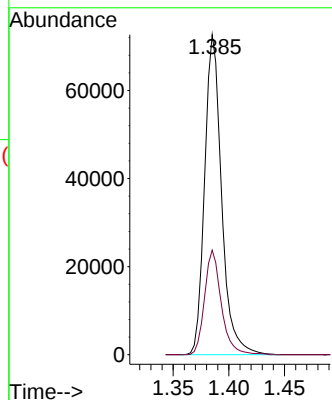
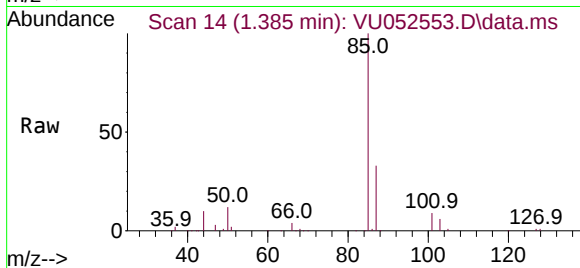




#2
Dichlorodifluoromethane
Concen: 5.034 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

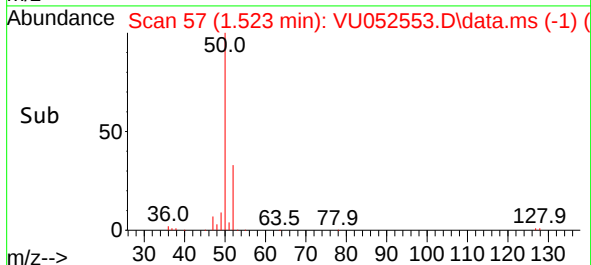
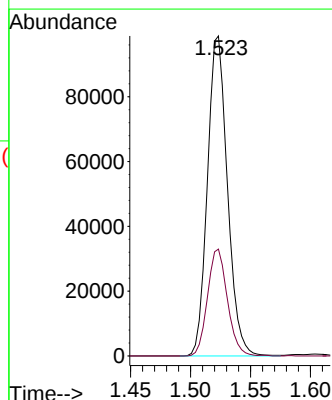
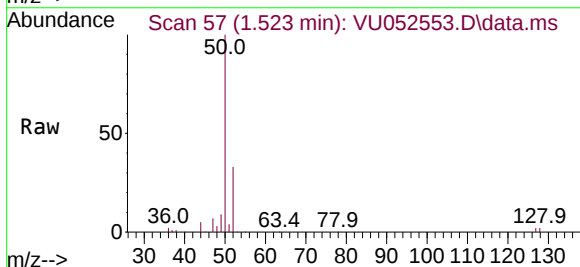
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MSVOA_U
ClientSampleId :
VSTD005118

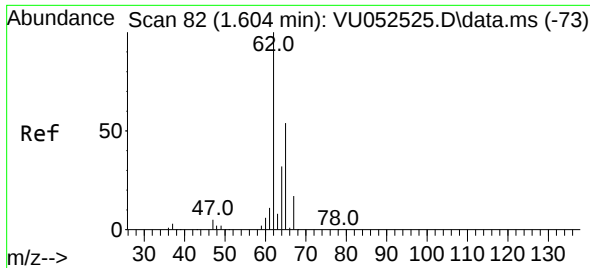
Tgt Ion: 85 Resp: 77080
Ion Ratio Lower Upper
85 100
87 32.2 25.6 38.4



#3
Chloromethane
Concen: 5.189 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 50 Resp: 114688
Ion Ratio Lower Upper
50 100
52 33.4 23.0 42.6

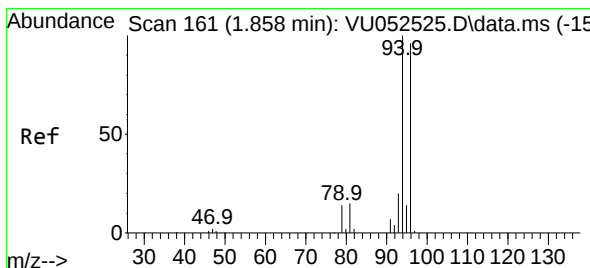
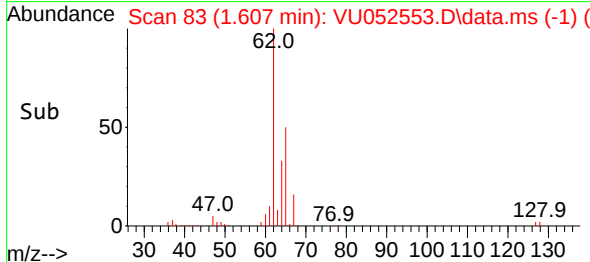
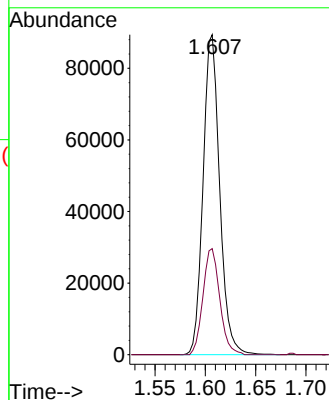
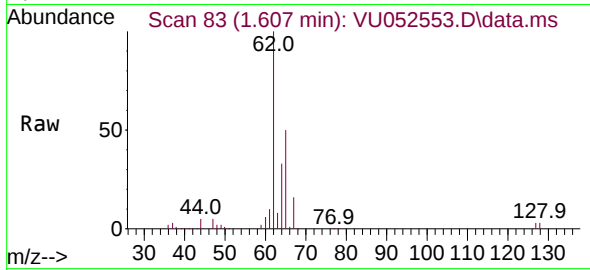




#5
 Vinyl chloride
 Concen: 5.114 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052553.D
 Acq: 27 Dec 2022 10:19

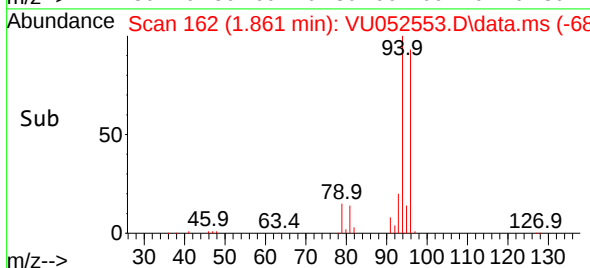
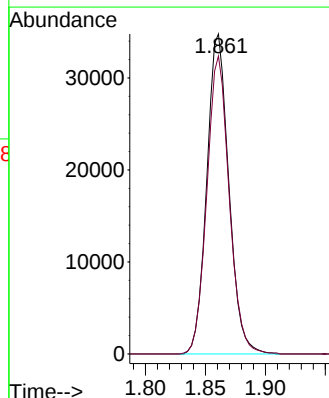
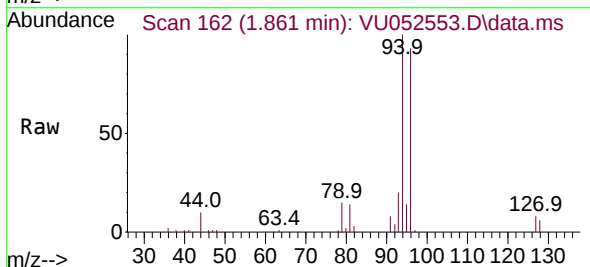
Instrument :
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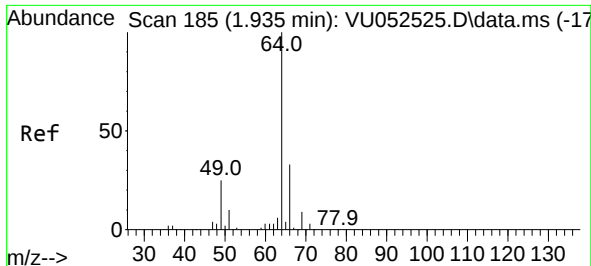
Tgt Ion: 62 Resp: 102462
 Ion Ratio Lower Upper
 62 100
 64 33.1 24.4 45.4



#6
 Bromomethane
 Concen: 3.895 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052553.D
 Acq: 27 Dec 2022 10:19

Tgt Ion: 94 Resp: 44483
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.0 120.8

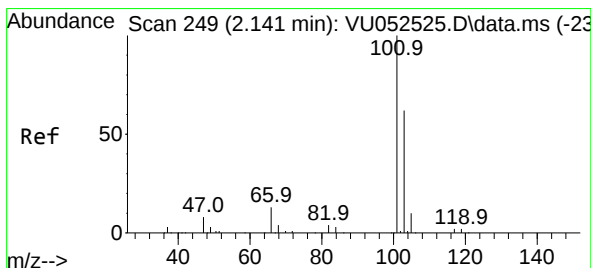
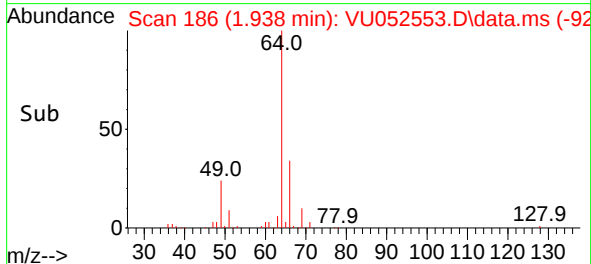
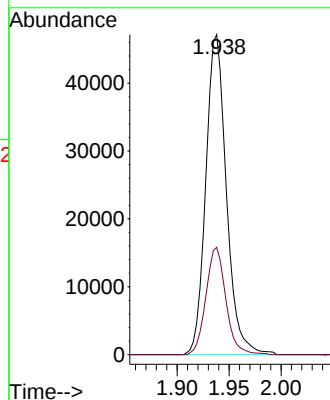
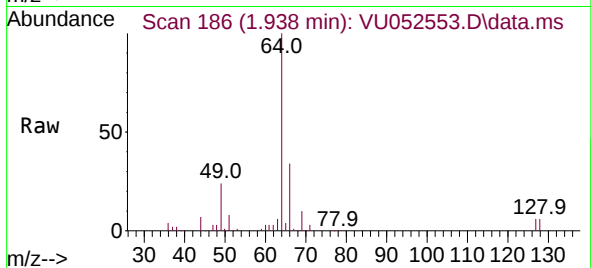




#8
Chloroethane
Concen: 4.740 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

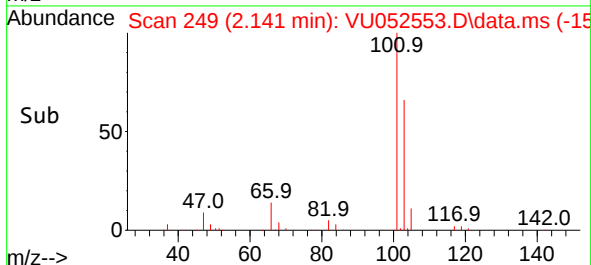
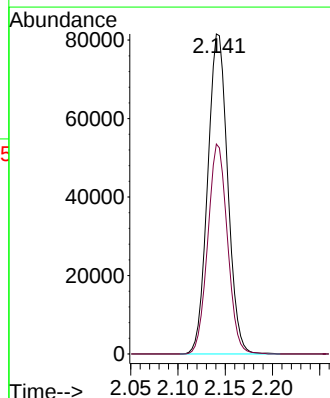
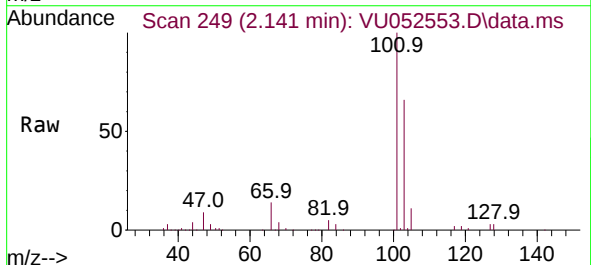
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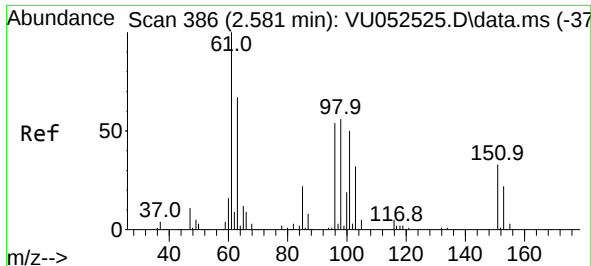
Tgt Ion: 64 Resp: 65043
Ion Ratio Lower Upper
64 100
66 33.6 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.296 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion:101 Resp: 119971
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0

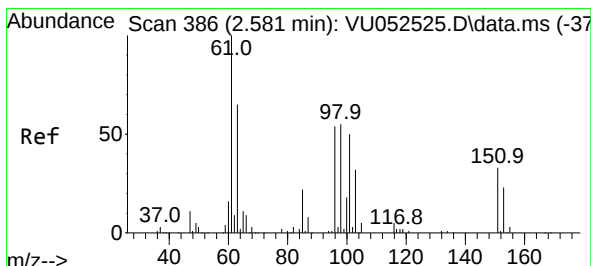
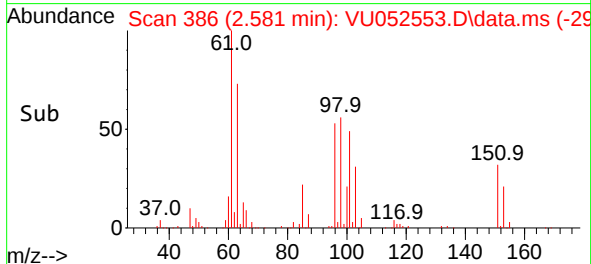
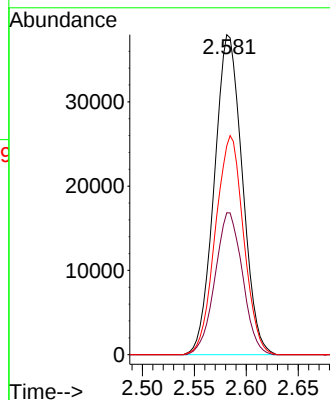
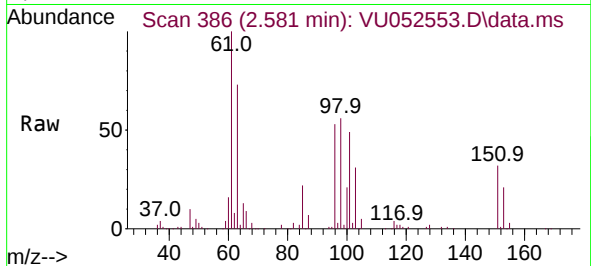




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.293 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052553.D
 Acq: 27 Dec 2022 10:19

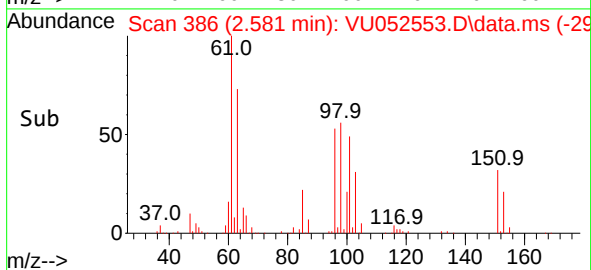
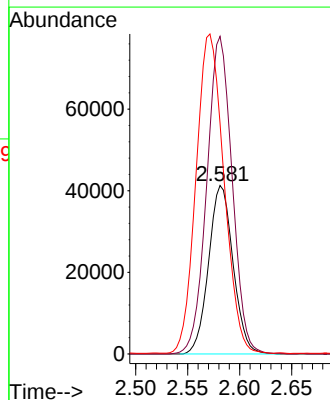
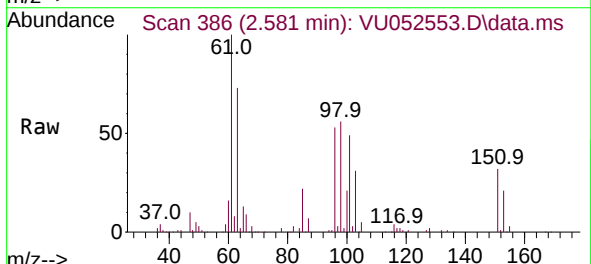
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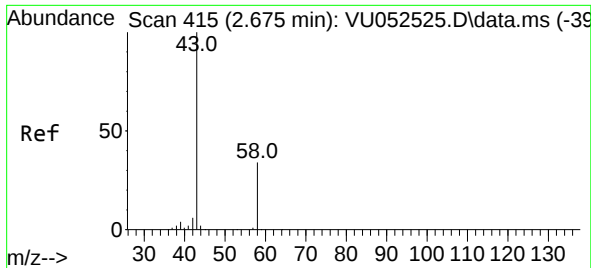
Tgt Ion:101 Resp: 71267
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.8 53.6
 151 69.0 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 5.245 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052553.D
 Acq: 27 Dec 2022 10:19

Tgt Ion: 96 Resp: 67594
 Ion Ratio Lower Upper
 96 100
 61 188.5 135.4 251.4
 63 136.9 95.4 177.2





#13

Acetone

Concen: 49.898 ug/L

RT: 2.665 min Scan# 415

Delta R.T. -0.010 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

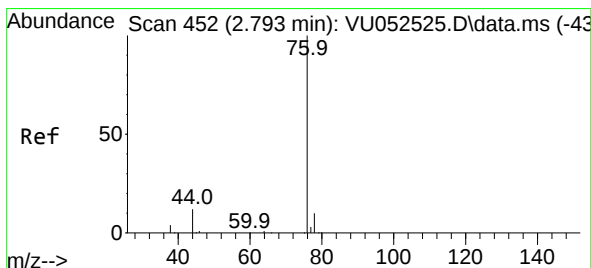
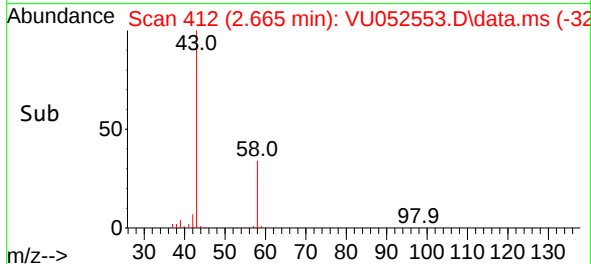
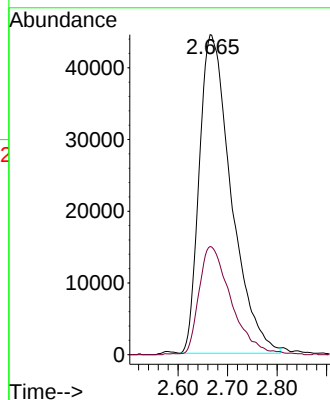
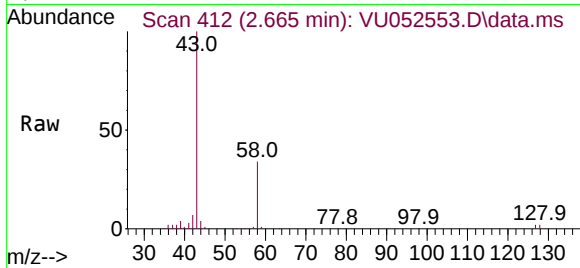
VSTD005118

Tgt Ion: 43 Resp: 198853

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.4



#14

Carbon disulfide

Concen: 5.298 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052553.D

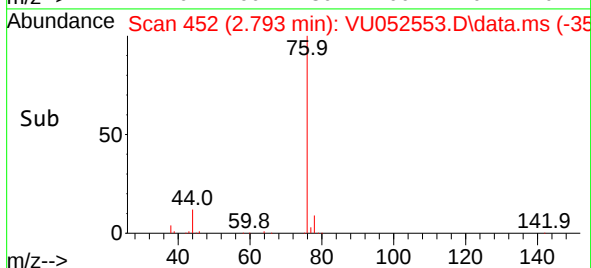
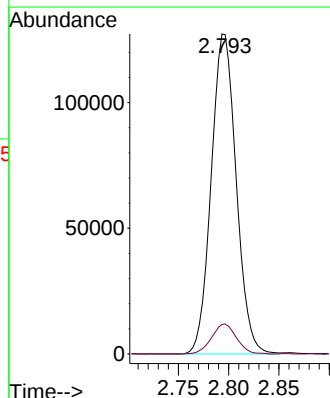
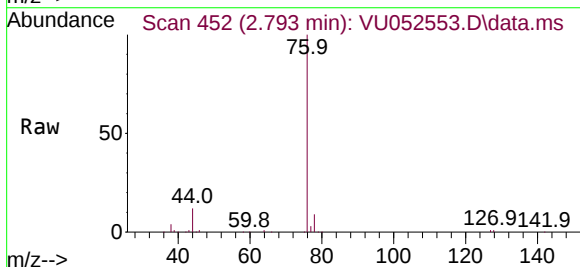
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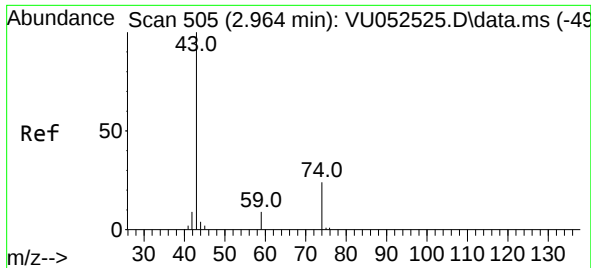
Tgt Ion: 76 Resp: 219994

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

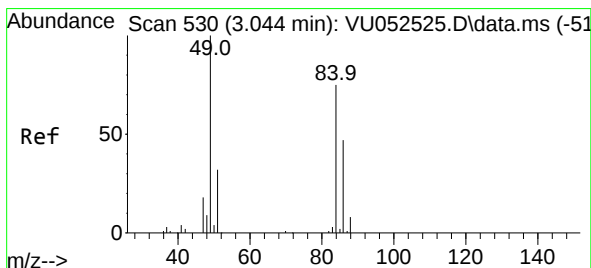
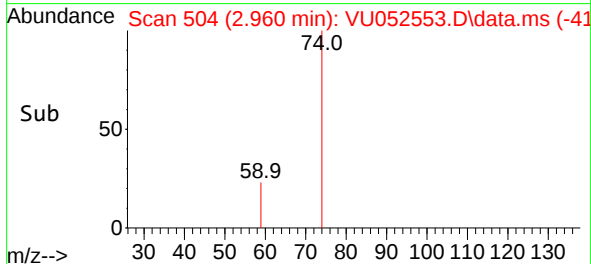
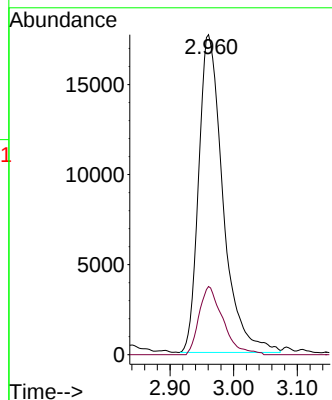
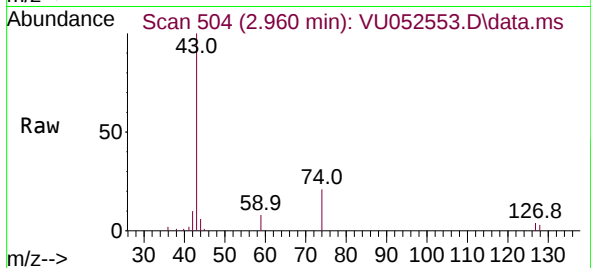




#15
Methyl Acetate
Concen: 5.344 ug/L
RT: 2.960 min Scan# 505
Delta R.T. -0.003 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

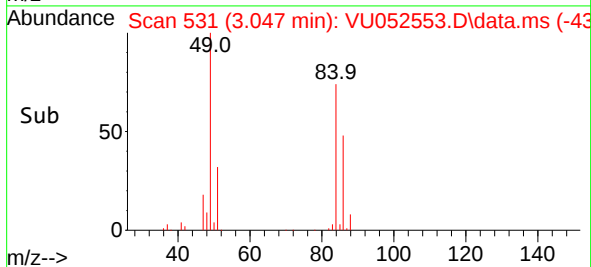
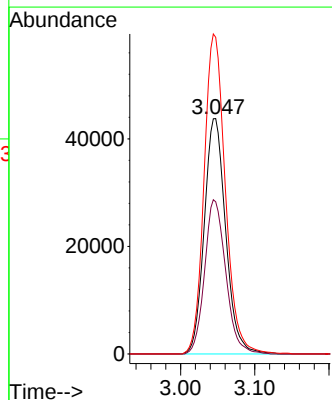
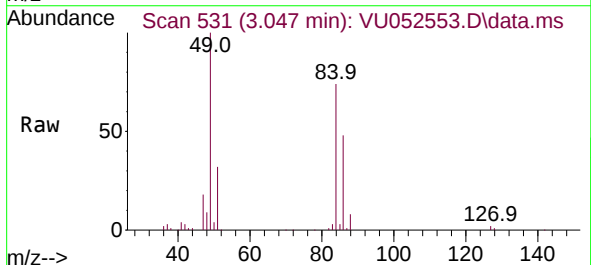
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

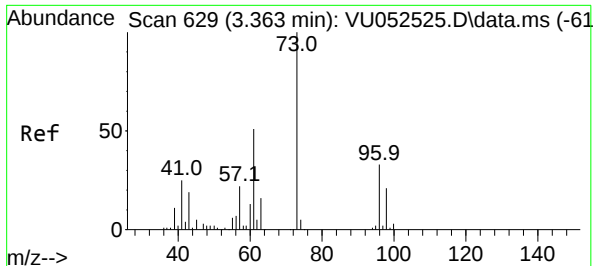
Tgt Ion: 43 Resp: 46921
Ion Ratio Lower Upper
43 100
74 21.0 16.9 25.3



#16
Methylene chloride
Concen: 4.824 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 84 Resp: 87811
Ion Ratio Lower Upper
84 100
86 64.6 44.7 83.1
49 134.5 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.197 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005118

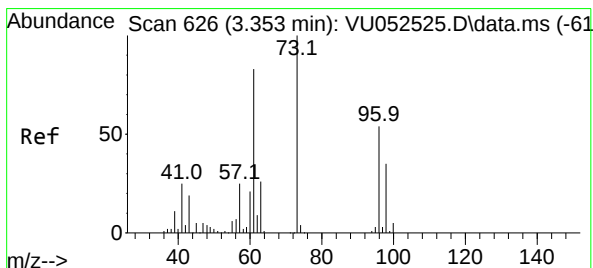
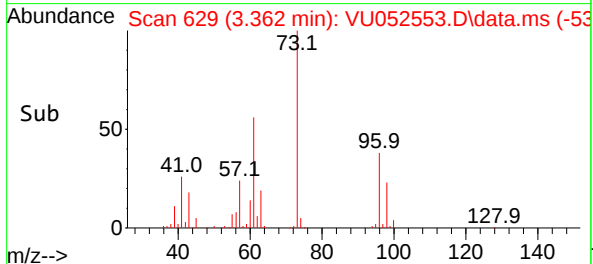
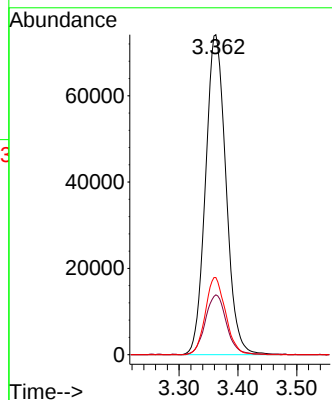
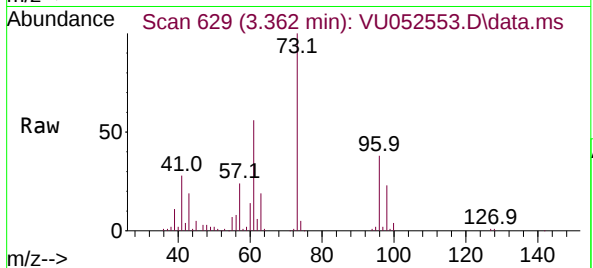
Tgt Ion: 73 Resp: 178799

Ion Ratio Lower Upper

73 100

43 19.5 16.1 24.1

57 23.8 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 5.375 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

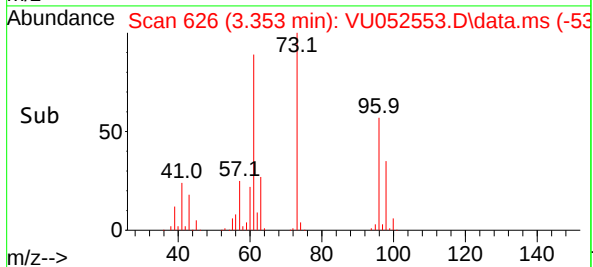
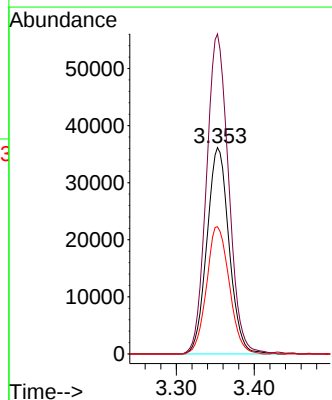
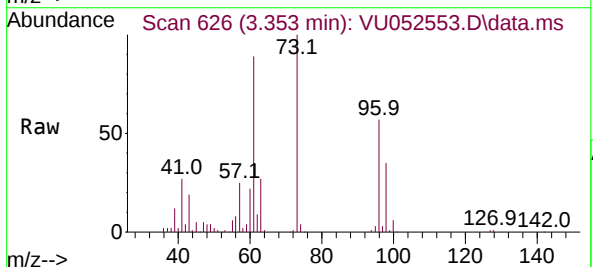
Tgt Ion: 96 Resp: 71385

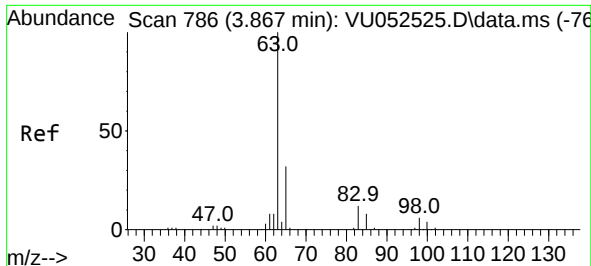
Ion Ratio Lower Upper

96 100

61 155.0 108.3 201.1

98 61.6 44.0 81.6

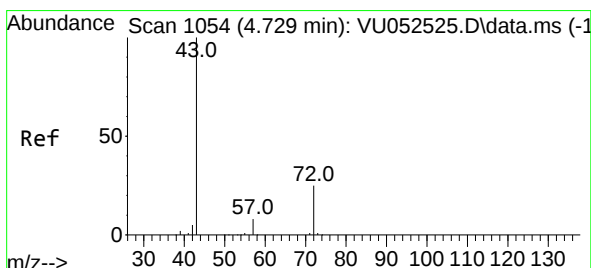
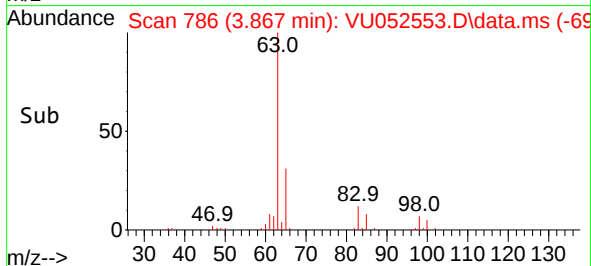
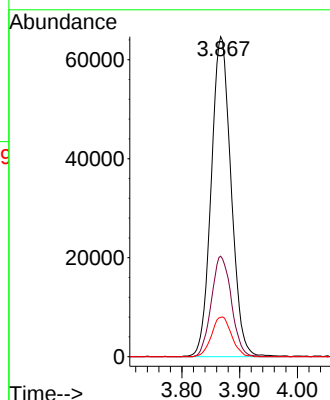
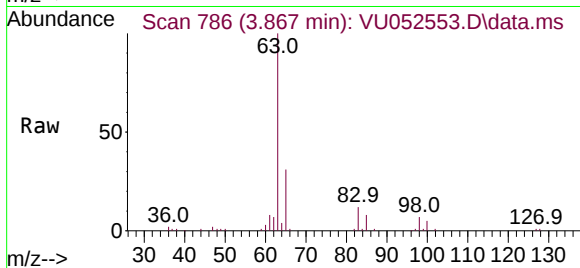




#19
1,1-Dichloroethane
Concen: 5.334 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

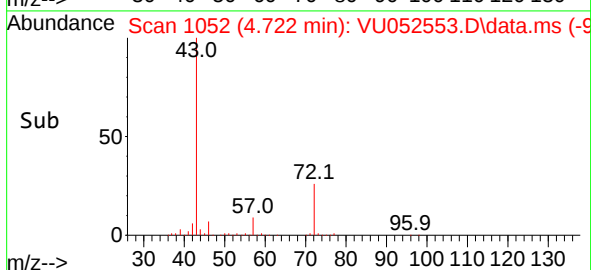
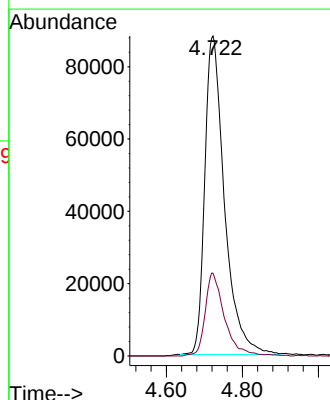
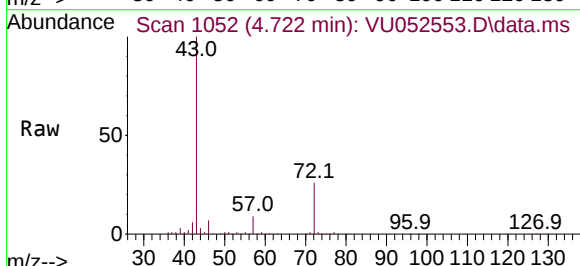
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

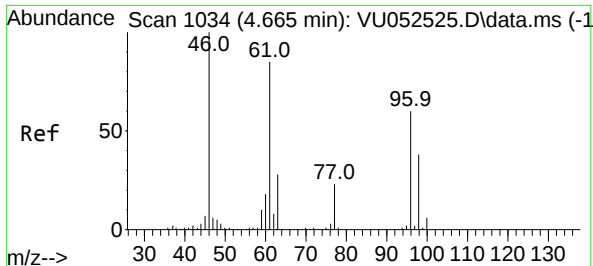
Tgt Ion: 63 Resp: 154070
Ion Ratio Lower Upper
63 100
65 31.4 22.0 40.8
83 12.3 9.0 16.8



#21
2-Butanone
Concen: 53.999 ug/L
RT: 4.722 min Scan# 1052
Delta R.T. -0.007 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 43 Resp: 316939
Ion Ratio Lower Upper
43 100
72 25.3 11.6 34.7





#22

cis-1,2-Dichloroethene

Concen: 5.308 ug/L

RT: 4.665 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005118

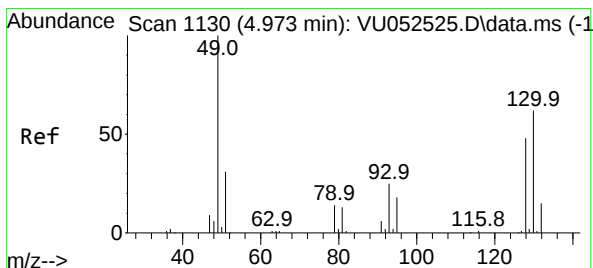
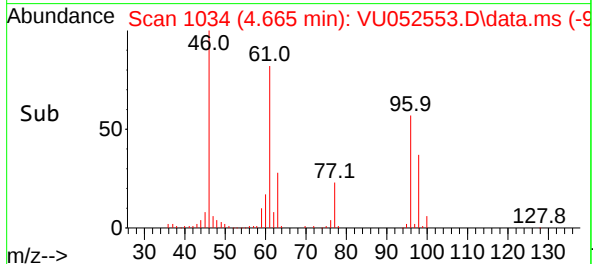
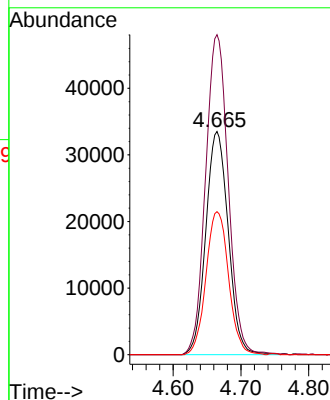
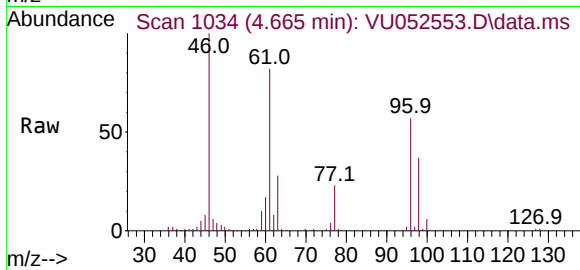
Tgt Ion: 96 Resp: 77366

Ion Ratio Lower Upper

96 100

61 143.3 96.9 180.1

98 64.1 44.7 83.1



#23

Bromochloromethane

Concen: 5.321 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Tgt Ion:128 Resp: 35942

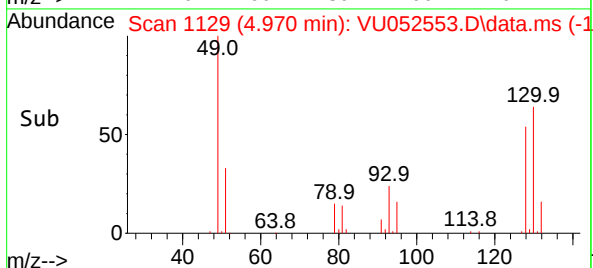
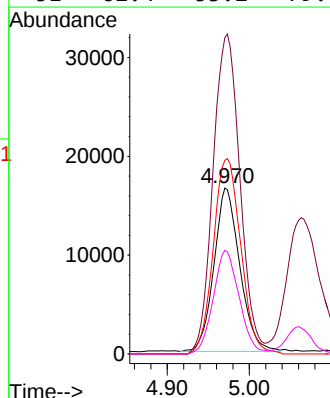
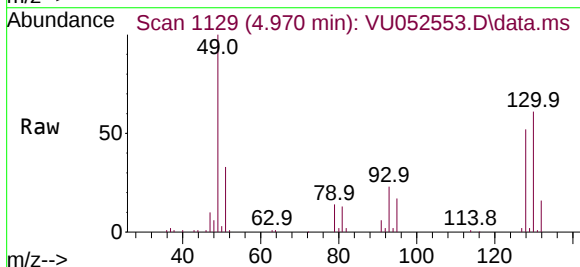
Ion Ratio Lower Upper

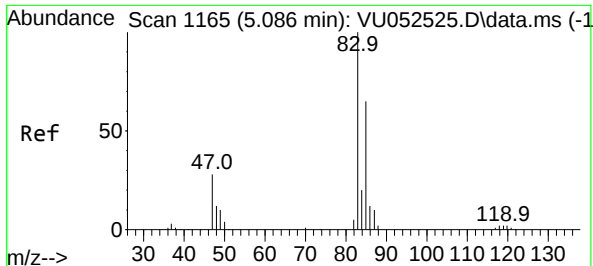
128 100

49 190.6 143.3 266.1

130 116.6 88.4 164.2

51 62.4 53.2 79.8





#25

Chloroform

Concen: 5.145 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

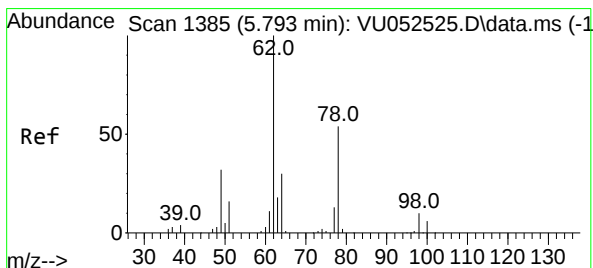
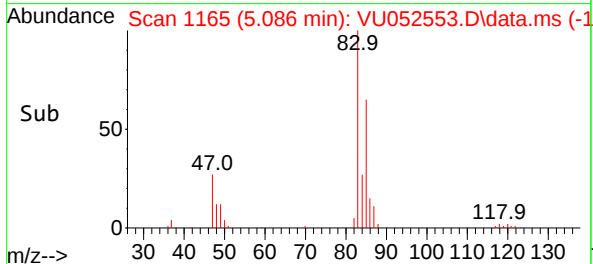
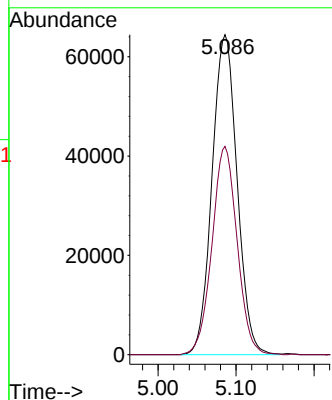
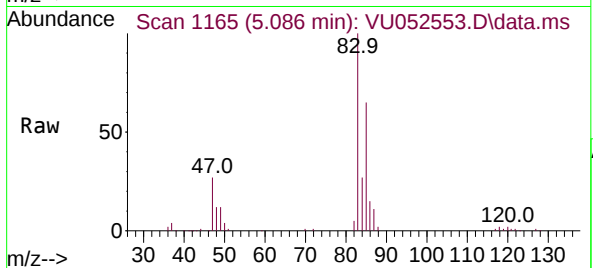
VSTD005118

Tgt Ion: 83 Resp: 143989

Ion Ratio Lower Upper

83 100

85 65.1 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.208 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052553.D

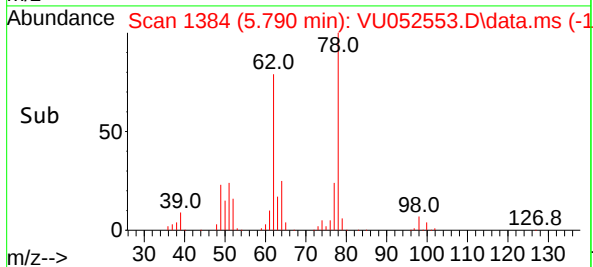
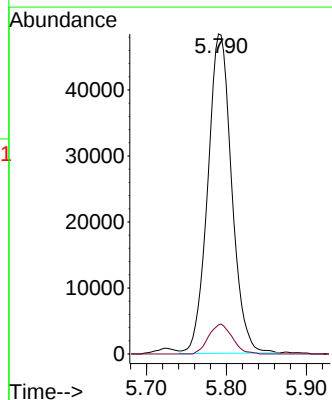
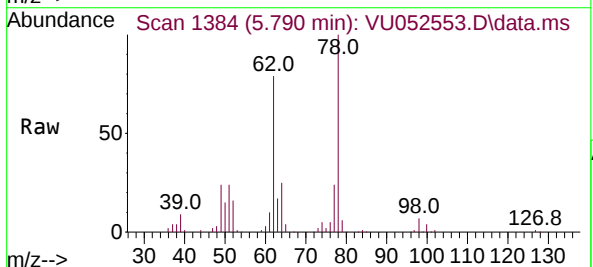
Acq: 27 Dec 2022 10:19

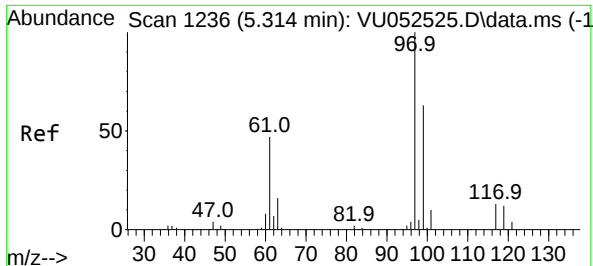
Tgt Ion: 62 Resp: 100687

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.708 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005118

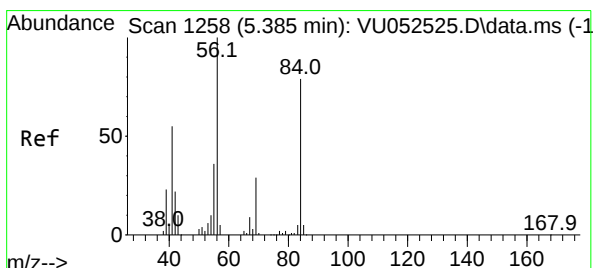
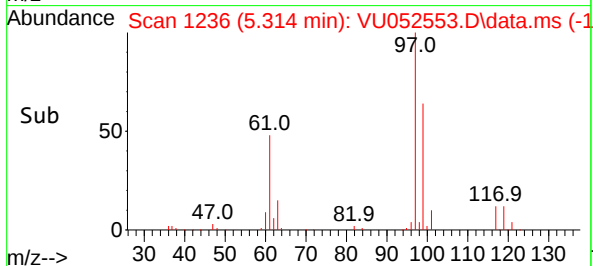
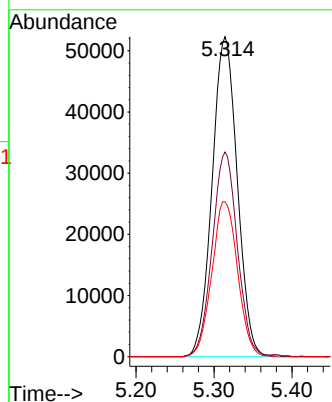
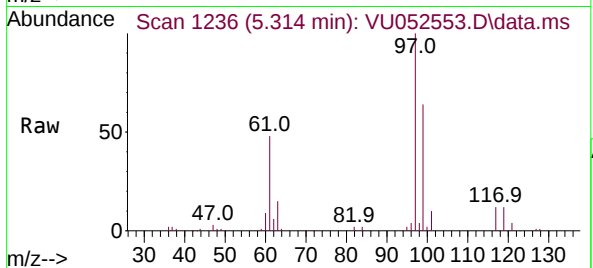
Tgt Ion: 97 Resp: 117412

Ion Ratio Lower Upper

97 100

99 63.7 52.2 78.2

61 49.6 41.6 62.4



#30

Cyclohexane

Concen: 5.553 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

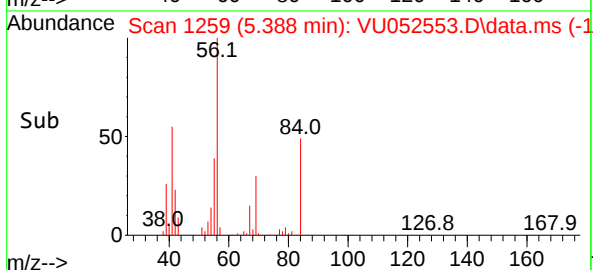
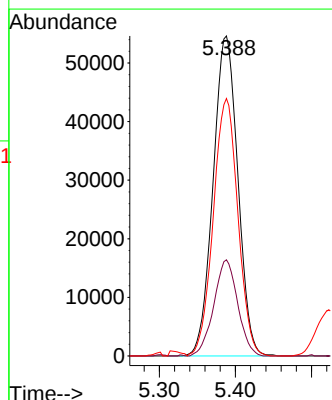
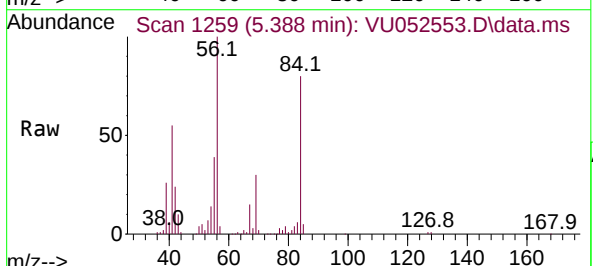
Tgt Ion: 56 Resp: 123446

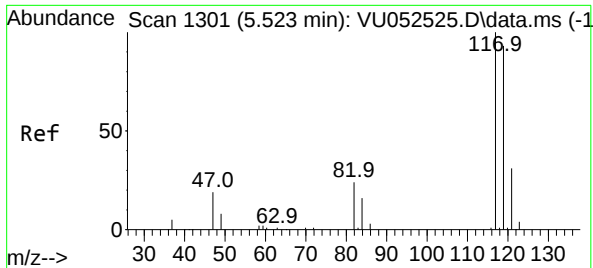
Ion Ratio Lower Upper

56 100

69 29.0 23.0 34.6

84 79.9 64.4 96.6

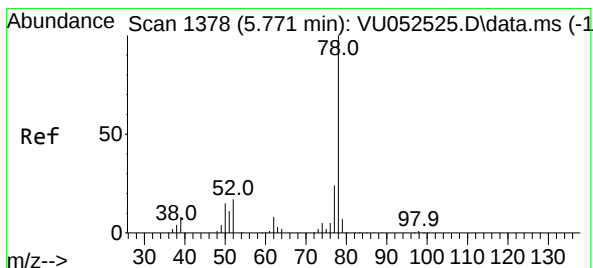
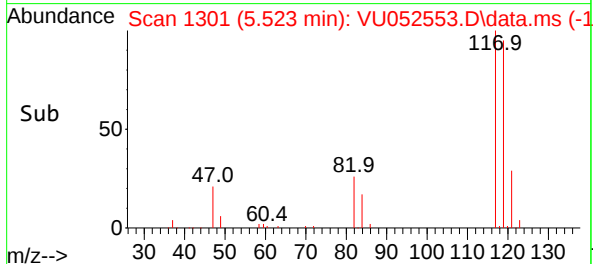
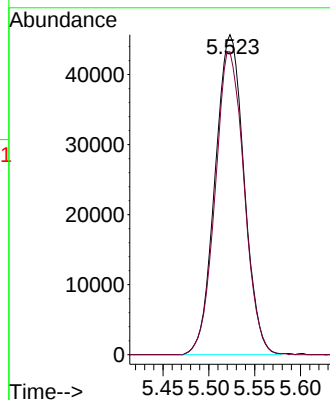
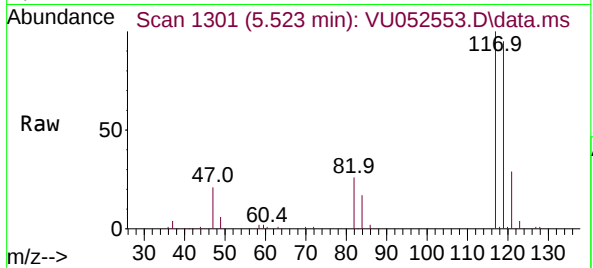




#31
Carbon tetrachloride
Concen: 5.550 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

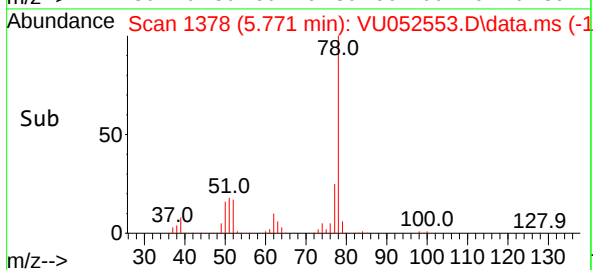
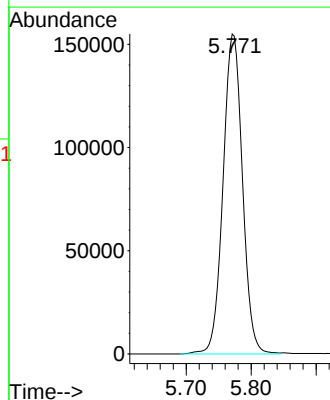
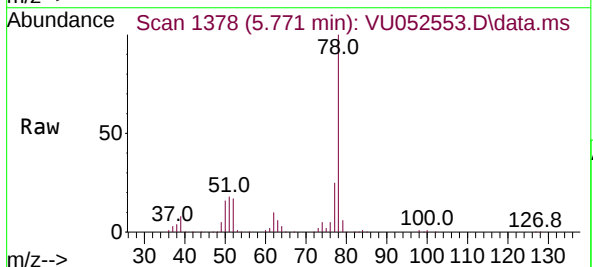
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

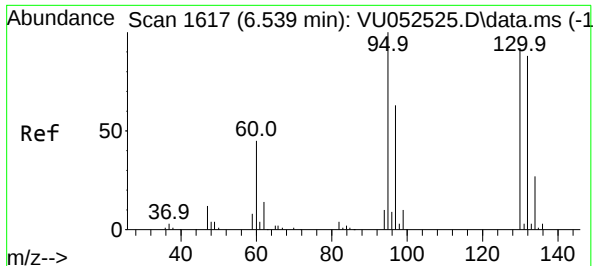
Tgt Ion:117 Resp: 100321
Ion Ratio Lower Upper
117 100
119 94.6 76.3 114.5



#33
Benzene
Concen: 5.454 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 78 Resp: 321060



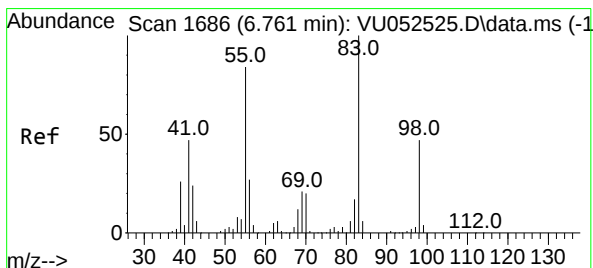
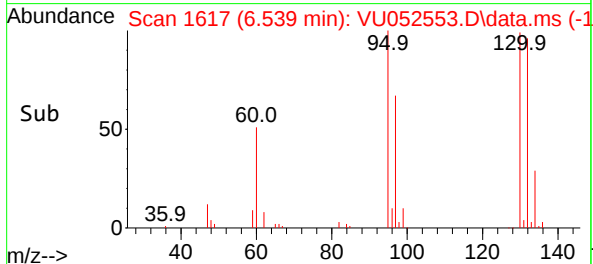
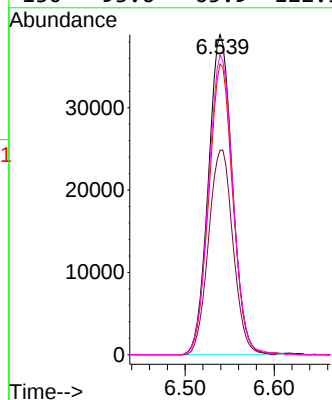
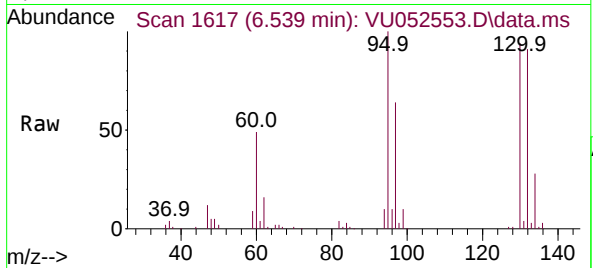


#34
Trichloroethene
Concen: 5.288 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

Tgt Ion: 95 Resp: 72782

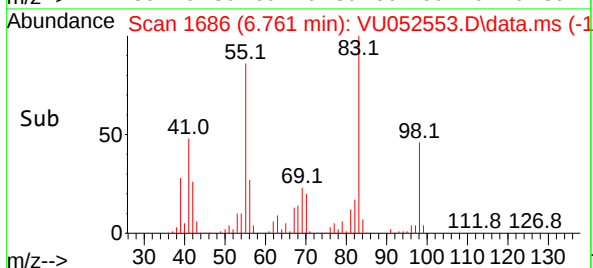
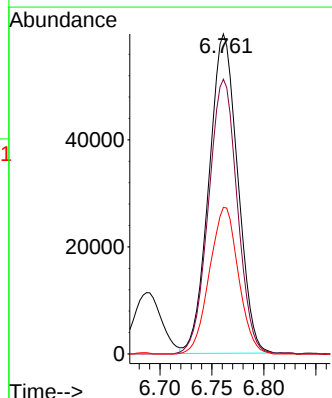
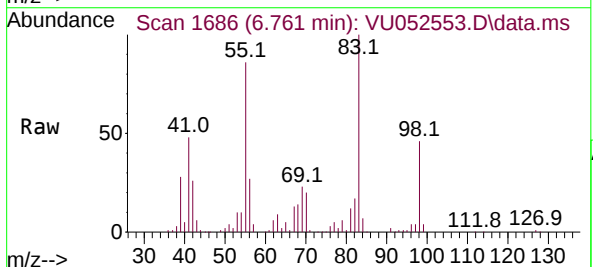
Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.3	86.1
132	90.8	63.9	118.7
130	93.6	65.9	122.5

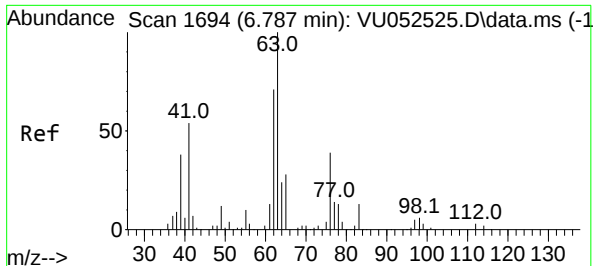


#35
Methylcyclohexane
Concen: 5.535 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 83 Resp: 114872

Ion	Ratio	Lower	Upper
83	100		
55	86.3	71.4	107.0
98	46.2	36.5	54.7





#37

1,2-Dichloropropane

Concen: 5.451 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

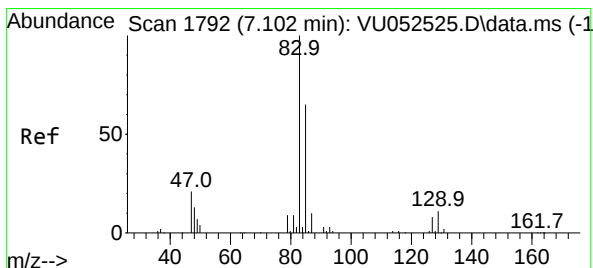
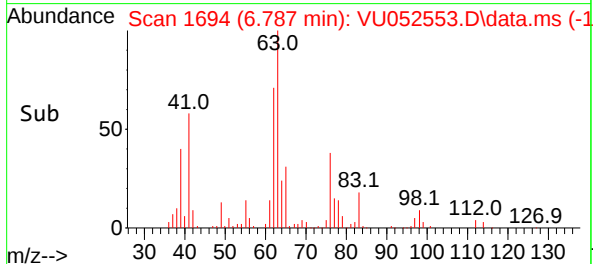
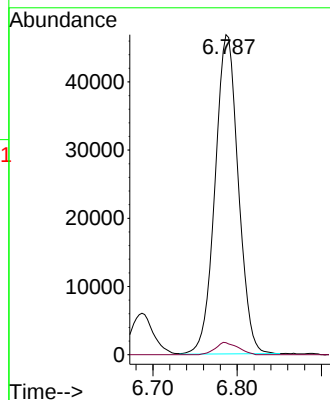
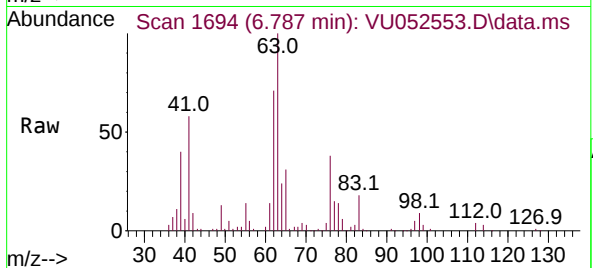
VSTD005118

Tgt Ion: 63 Resp: 89546

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 5.456 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

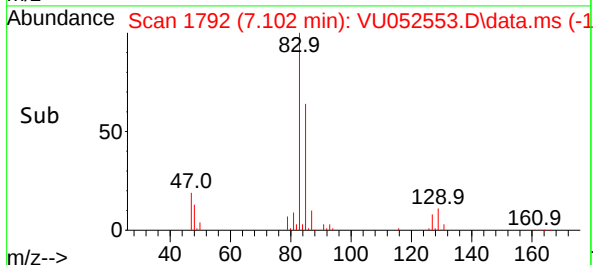
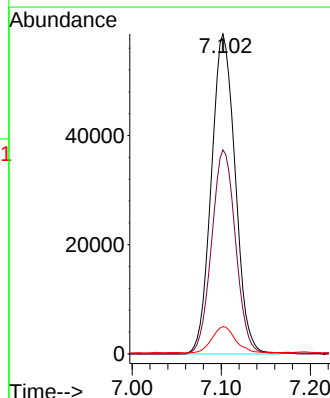
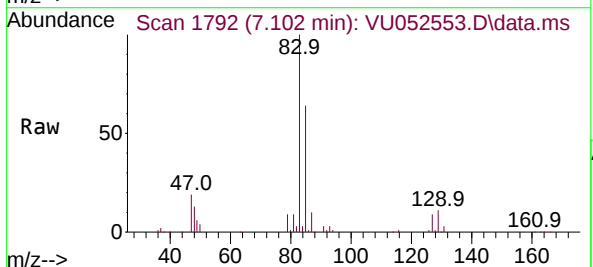
Tgt Ion: 83 Resp: 109090

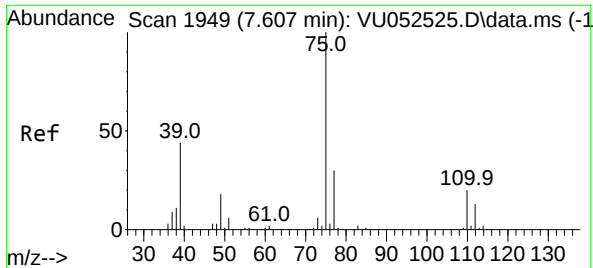
Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

127 8.5 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.639 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

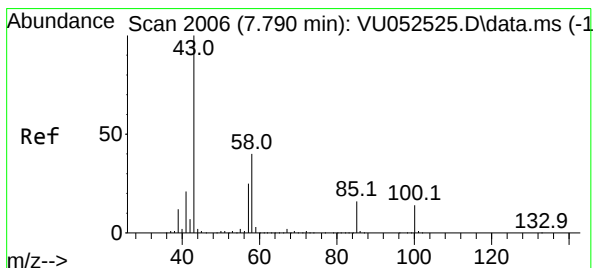
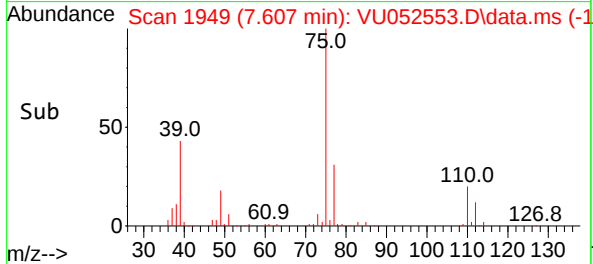
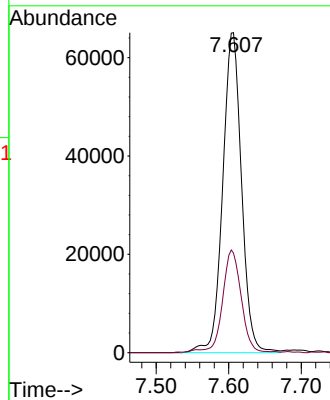
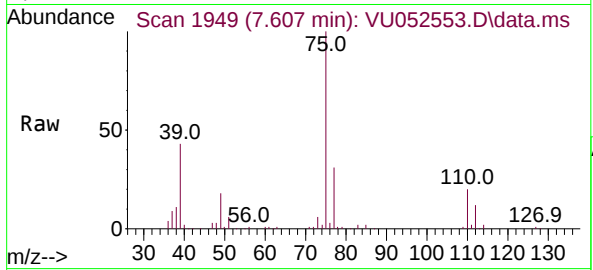
VSTD005118

Tgt Ion: 75 Resp: 117318

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 55.819 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

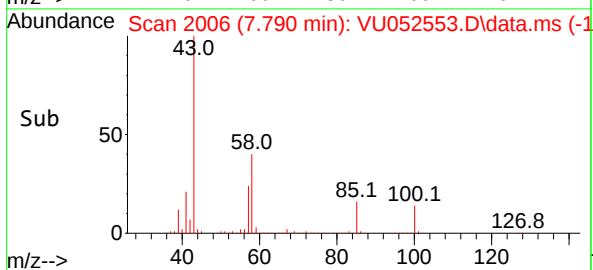
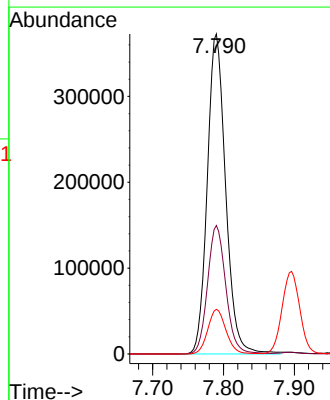
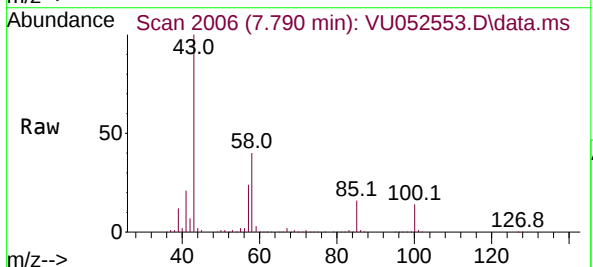
Tgt Ion: 43 Resp: 670085

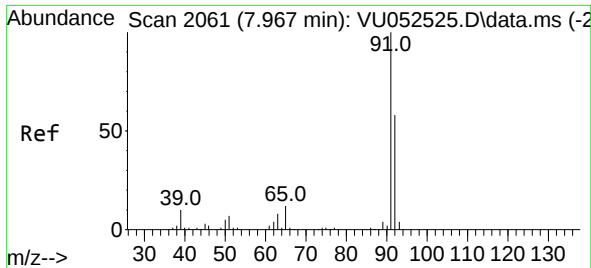
Ion Ratio Lower Upper

43 100

58 40.0 30.6 45.8

100 13.9 10.4 15.6





#42

Toluene

Concen: 5.713 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

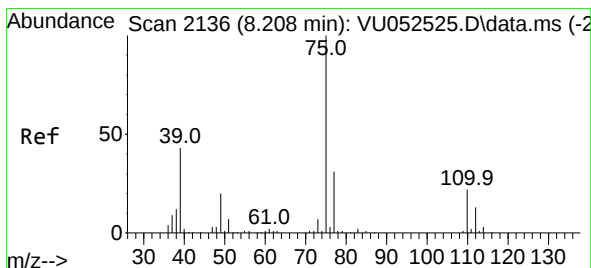
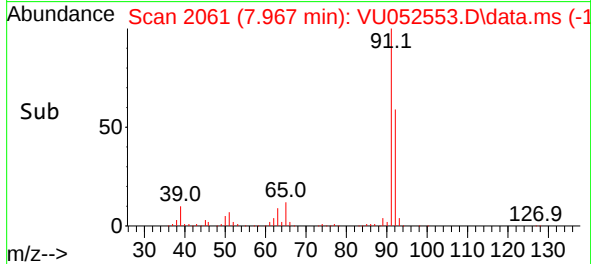
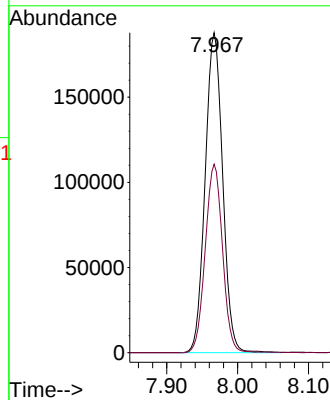
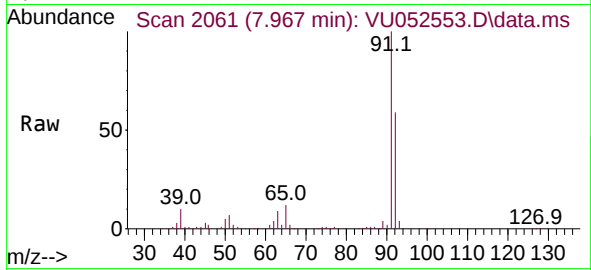
VSTD005118

Tgt Ion: 91 Resp: 322502

Ion Ratio Lower Upper

91 100

92 58.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.766 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052553.D

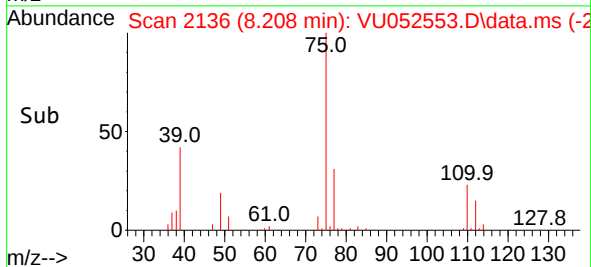
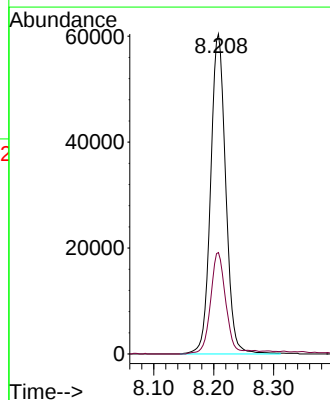
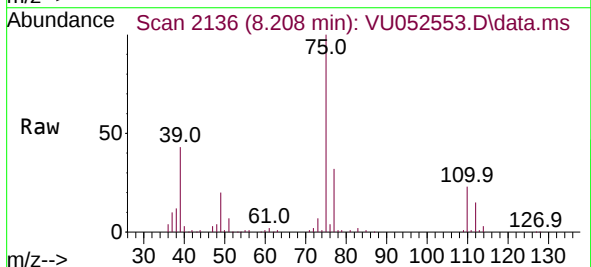
Acq: 27 Dec 2022 10:19

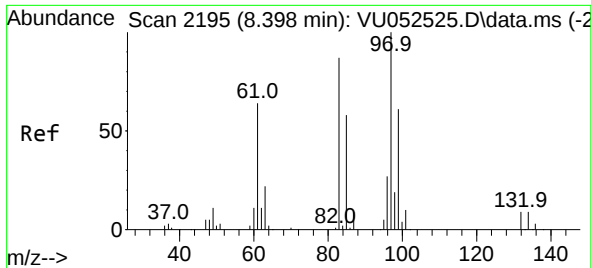
Tgt Ion: 75 Resp: 105717

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4



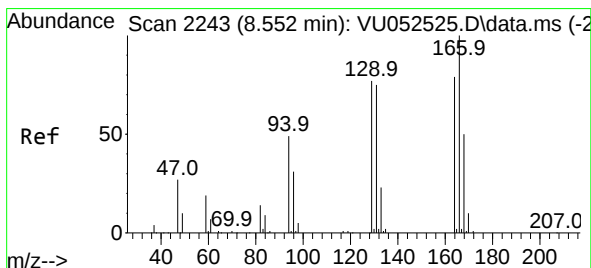
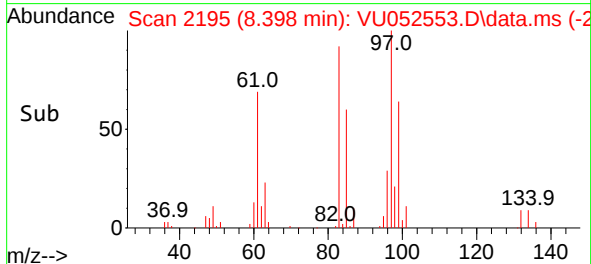
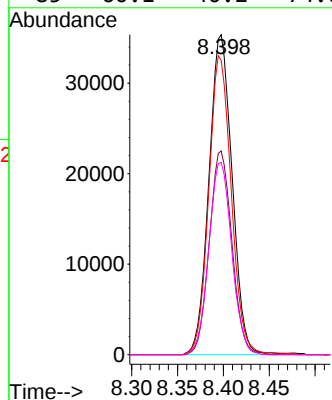
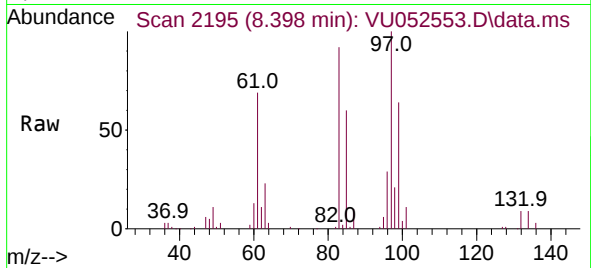


#45
1,1,2-Trichloroethane
Concen: 5.333 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

Tgt Ion: 97 Resp: 62049

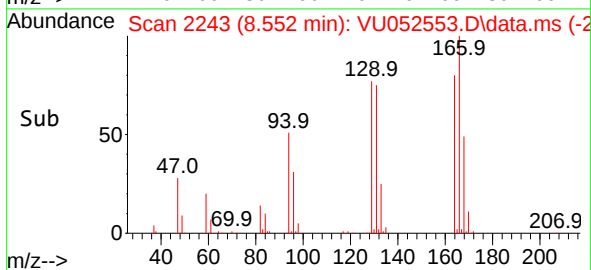
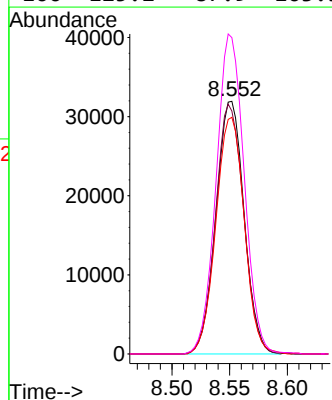
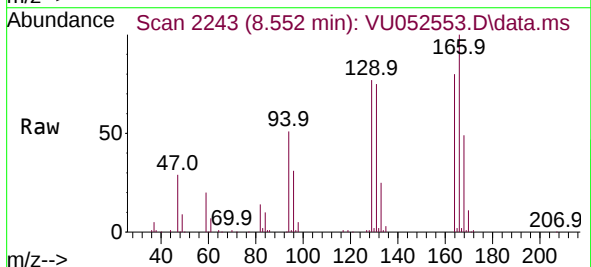
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.0	78.0
83	92.0	63.2	117.4
85	60.1	40.2	74.6

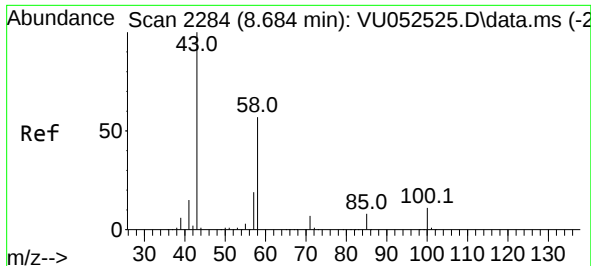


#47
Tetrachloroethene
Concen: 5.644 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 164 Resp: 54220

Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.1	126.5
131	93.6	66.5	123.5
166	125.2	87.9	163.3



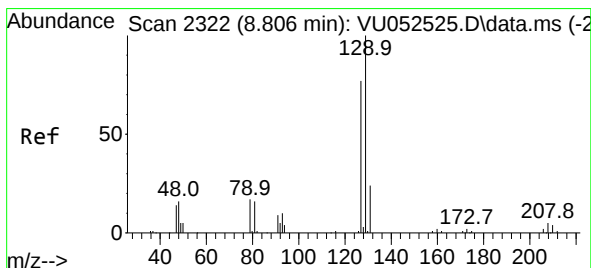
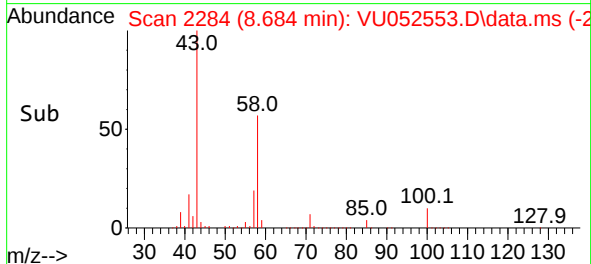
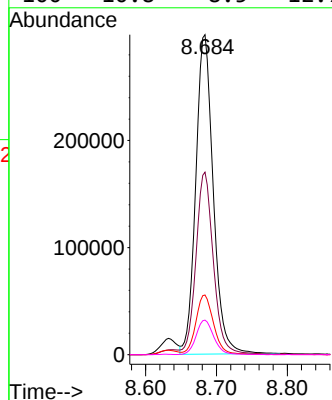
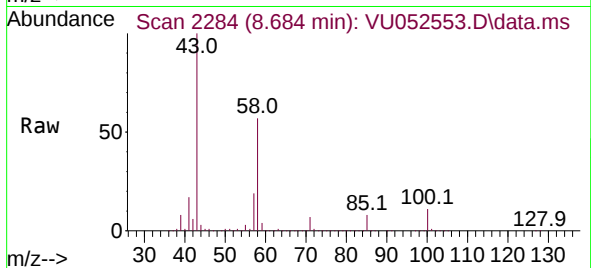


#48
2-Hexanone
Concen: 56.547 ug/L
RT: 8.684 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

Tgt Ion: 43 Resp: 511688

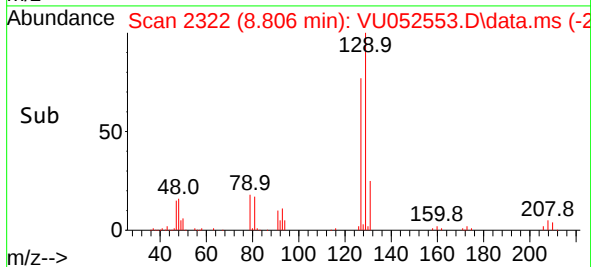
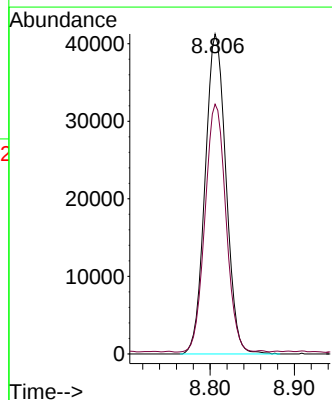
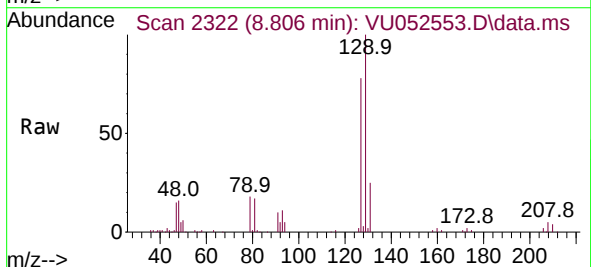
Ion	Ratio	Lower	Upper
43	100		
58	56.6	44.1	66.1
57	18.8	14.6	21.8
100	10.8	8.5	12.7

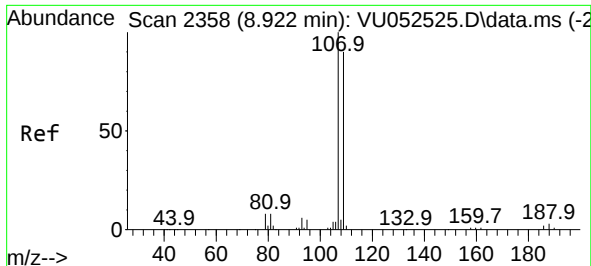


#49
Dibromochloromethane
Concen: 5.771 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 129 Resp: 71098

Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.2	100.6





#50

1,2-Dibromoethane

Concen: 5.420 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005118

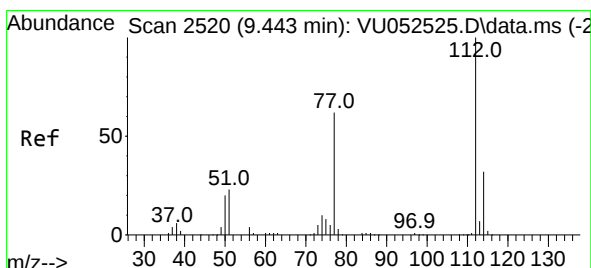
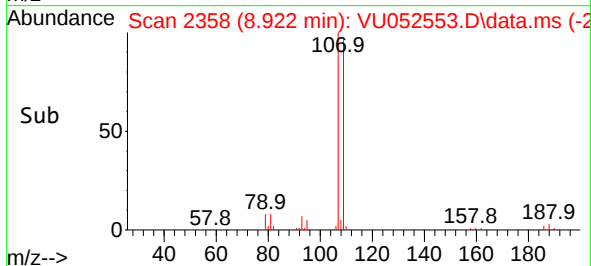
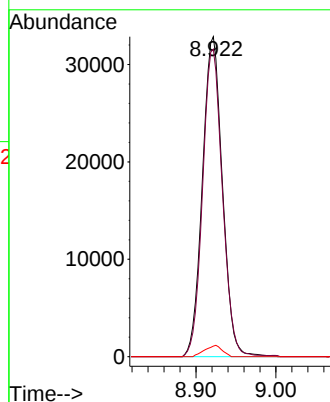
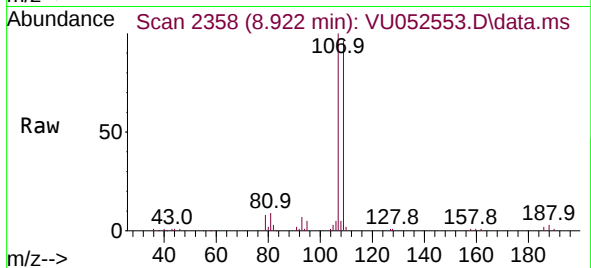
Tgt Ion:107 Resp: 57320

Ion Ratio Lower Upper

107 100

109 96.1 65.8 122.2

188 3.3 2.3 3.5



#51

Chlorobenzene

Concen: 5.474 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

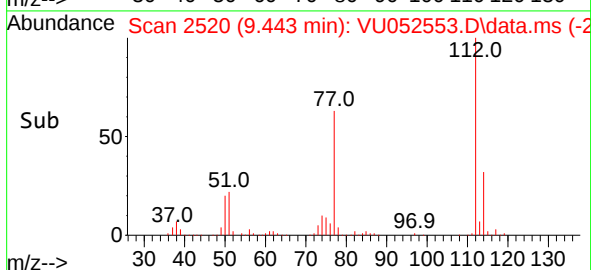
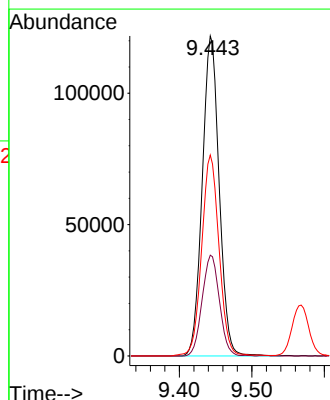
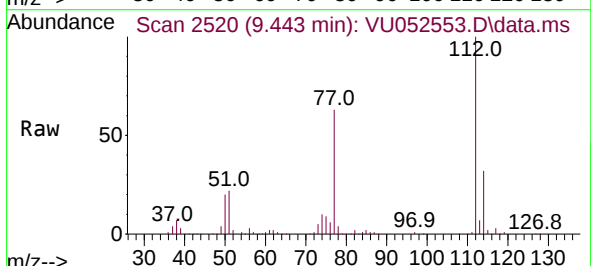
Tgt Ion:112 Resp: 197328

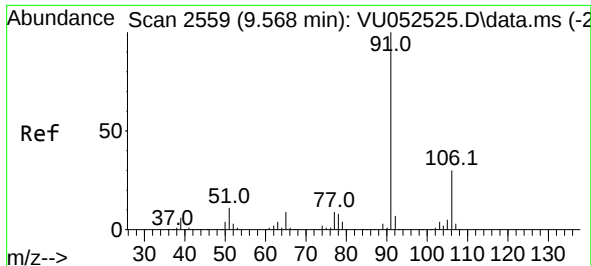
Ion Ratio Lower Upper

112 100

114 31.5 21.3 39.5

77 62.8 51.0 76.6

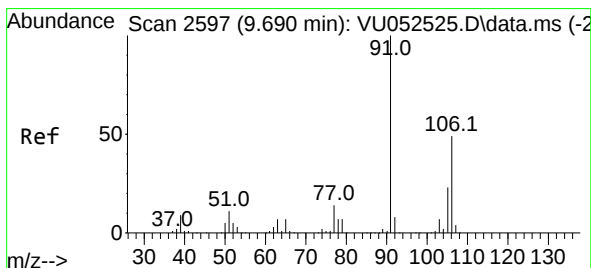
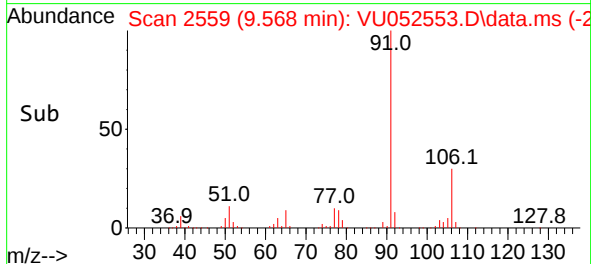
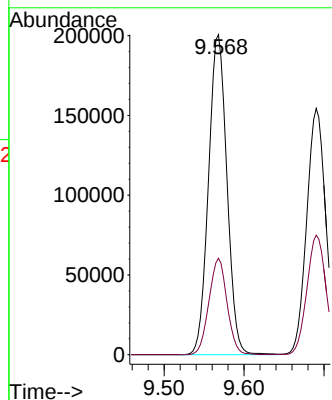
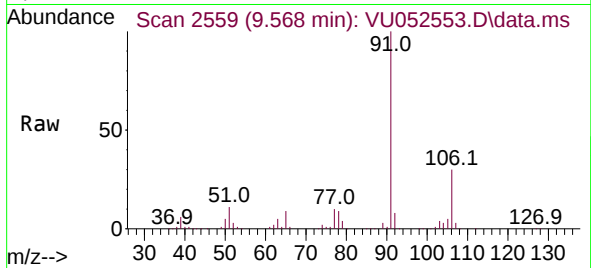




#52
Ethylbenzene
Concen: 5.507 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

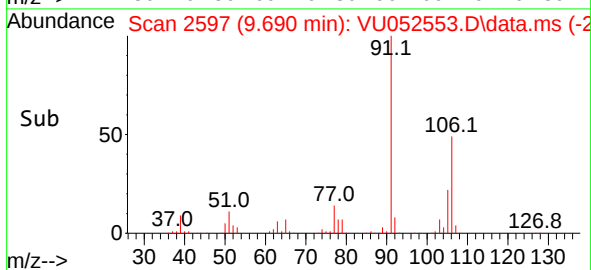
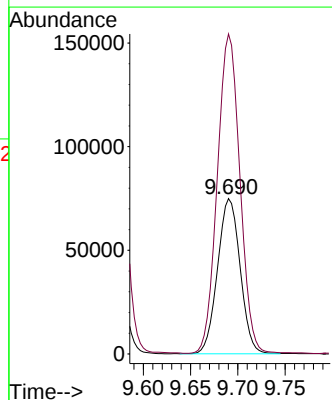
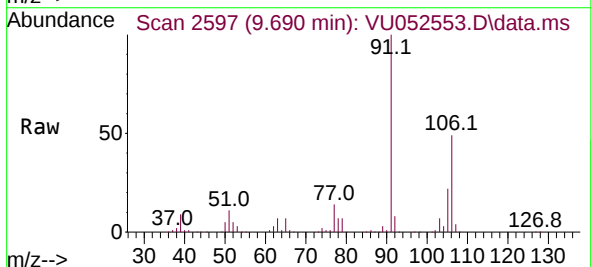
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

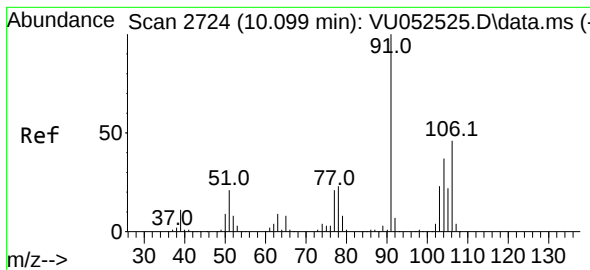
Tgt Ion: 91 Resp: 321680
Ion Ratio Lower Upper
91 100
106 30.1 20.9 38.7



#53
m,p-Xylene
Concen: 5.770 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion:106 Resp: 124279
Ion Ratio Lower Upper
106 100
91 206.0 148.2 275.2





#54

o-Xylene

Concen: 5.904 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

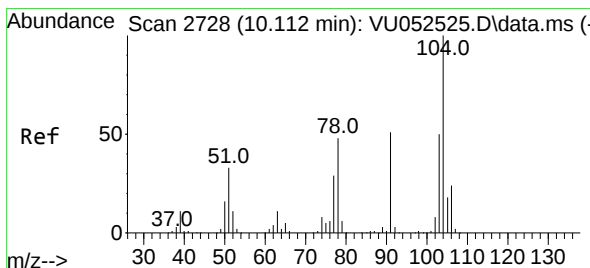
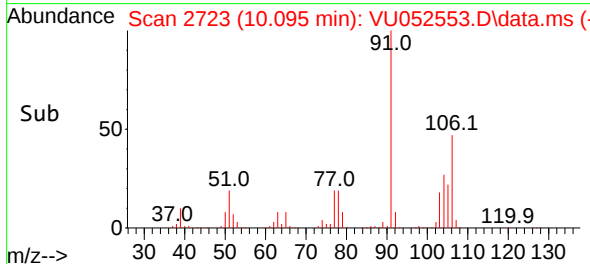
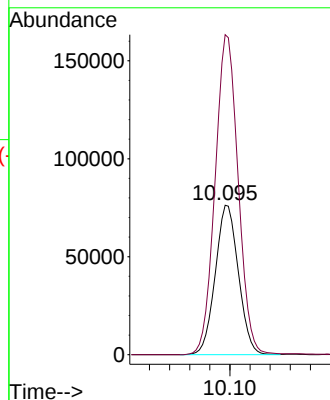
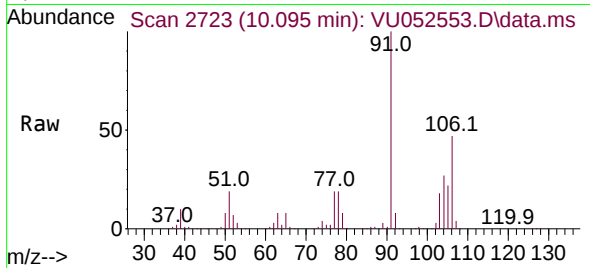
VSTD005118

Tgt Ion:106 Resp: 121917

Ion Ratio Lower Upper

106 100

91 214.1 153.2 284.4



#55

Styrene

Concen: 5.952 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052553.D

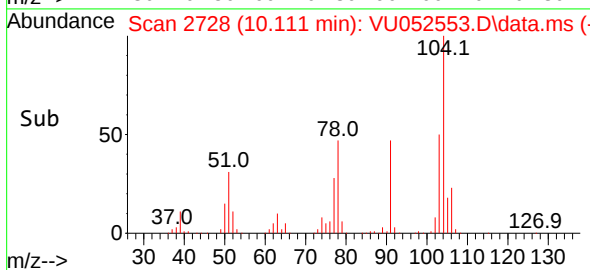
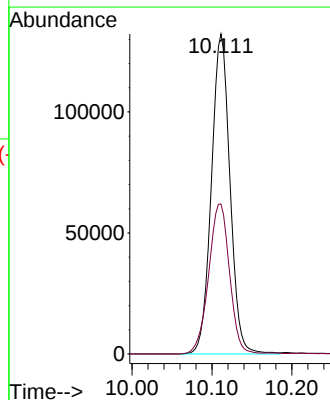
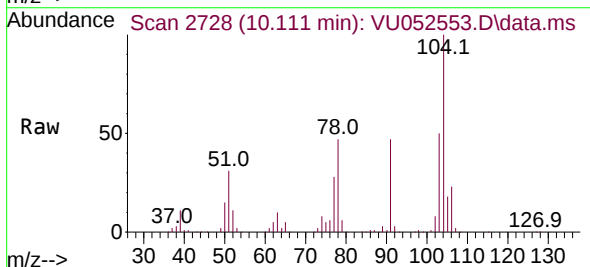
Acq: 27 Dec 2022 10:19

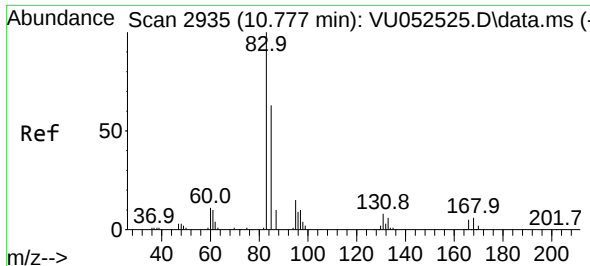
Tgt Ion:104 Resp: 213802

Ion Ratio Lower Upper

104 100

78 46.9 33.4 62.0

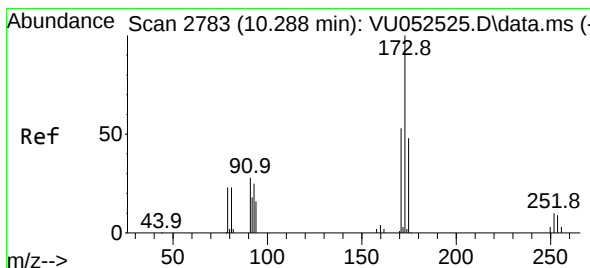
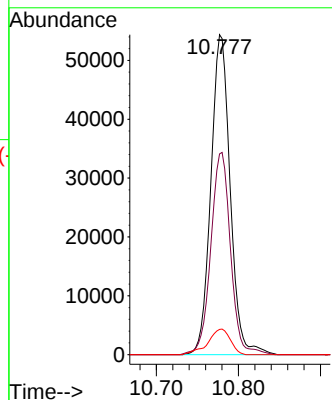
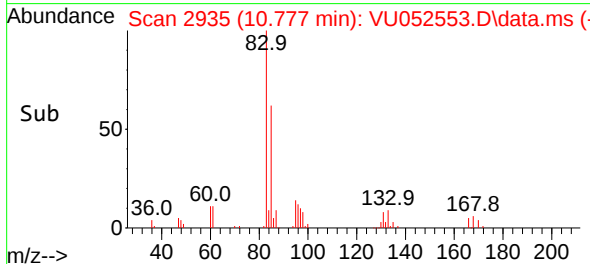
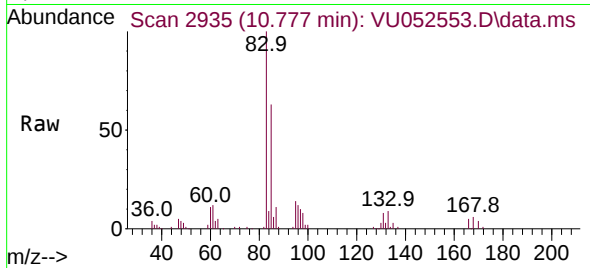




#57
1,1,2,2-Tetrachloroethane
Concen: 5.540 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

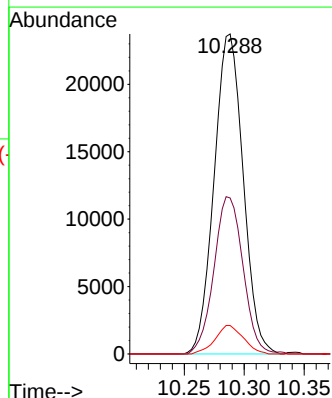
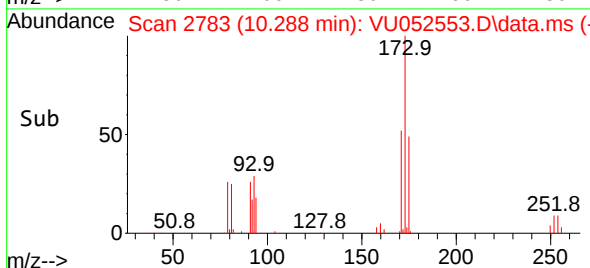
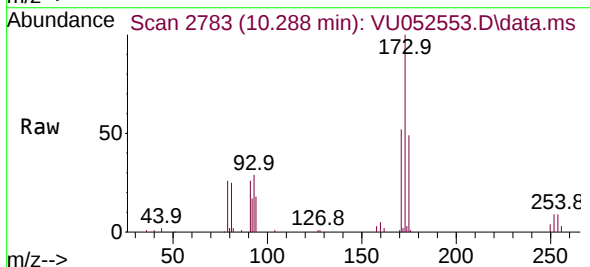
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

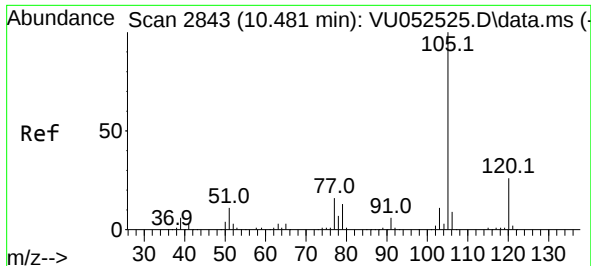
Tgt Ion: 83 Resp: 89110
Ion Ratio Lower Upper
83 100
85 62.7 44.7 83.1
131 7.9 6.0 9.0



#59
Bromoform
Concen: 5.144 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion:173 Resp: 39933
Ion Ratio Lower Upper
173 100
175 49.2 38.9 58.3
254 8.6 7.0 10.6

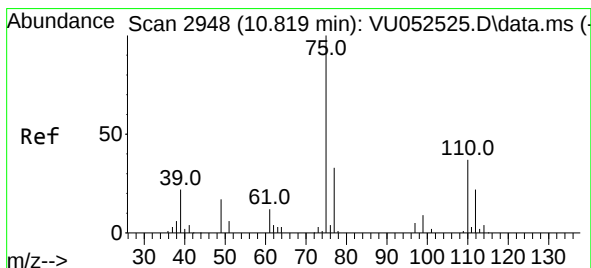
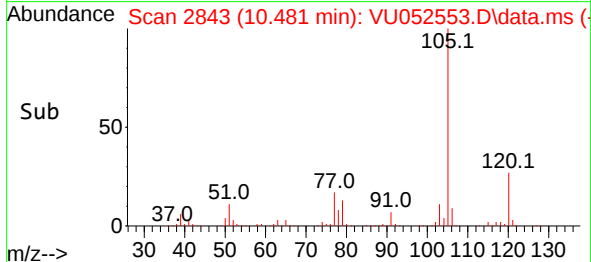
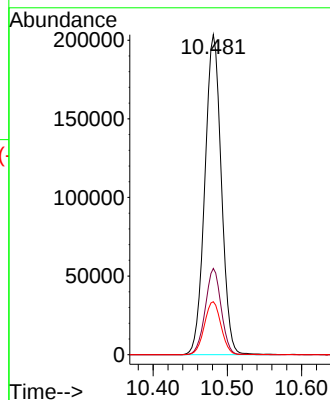
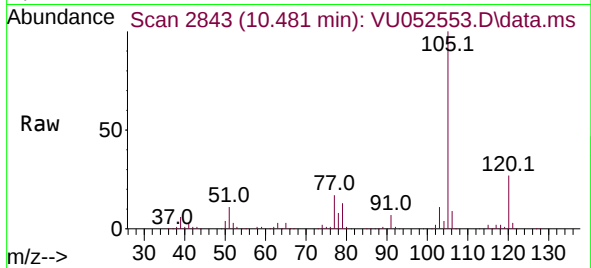




#60
Isopropylbenzene
Concen: 5.467 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

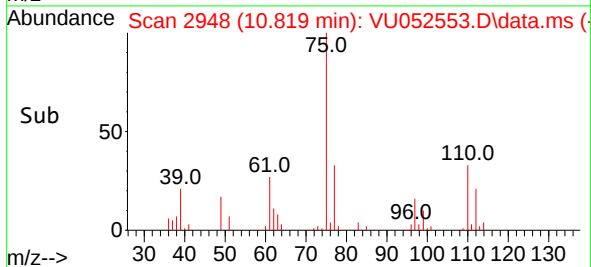
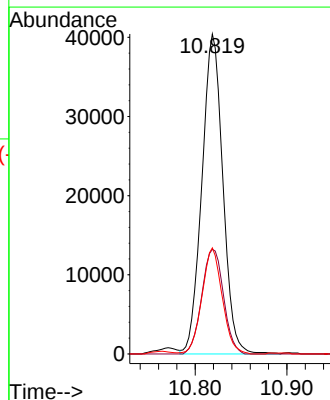
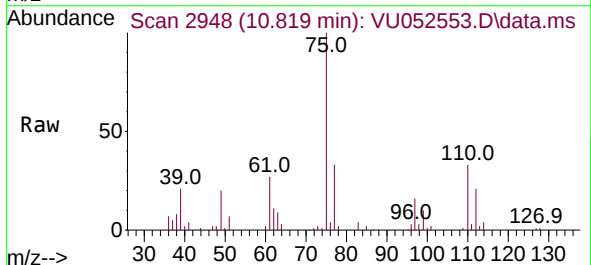
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

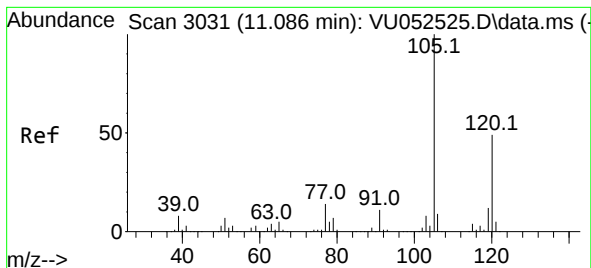
Tgt Ion:105 Resp: 313065
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.8 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.070 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion: 75 Resp: 64243
Ion Ratio Lower Upper
75 100
110 33.9 27.9 41.9
77 32.2 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 5.312 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

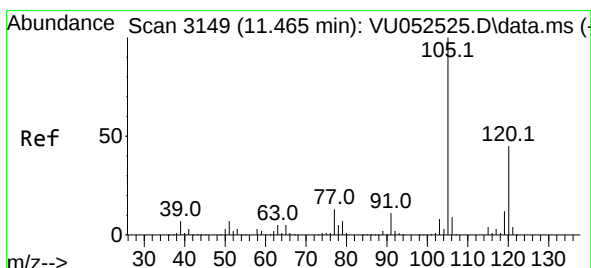
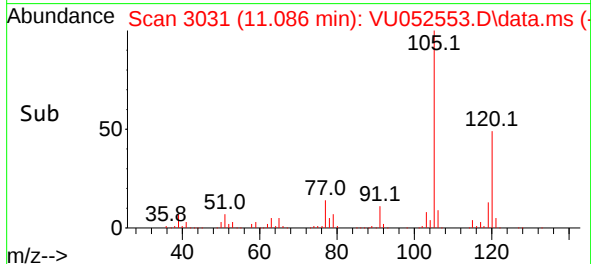
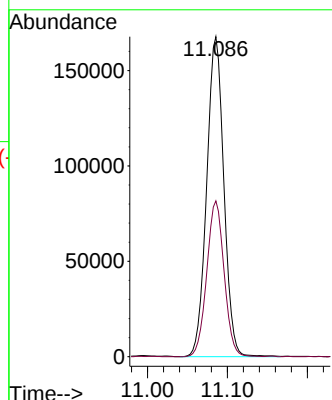
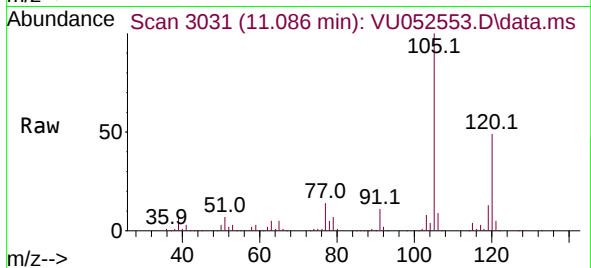
VSTD005118

Tgt Ion:105 Resp: 250882

Ion Ratio Lower Upper

105 100

120 49.1 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.396 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052553.D

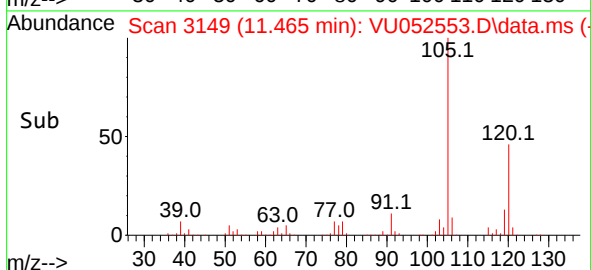
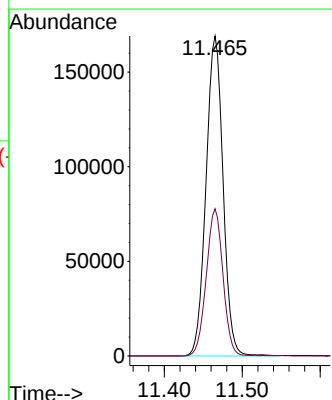
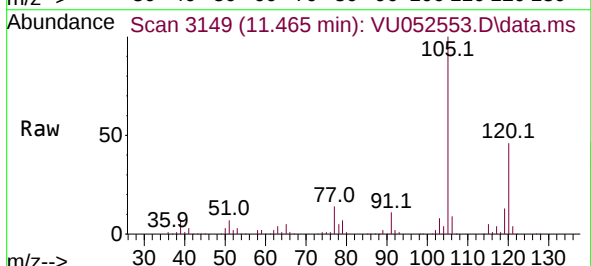
Acq: 27 Dec 2022 10:19

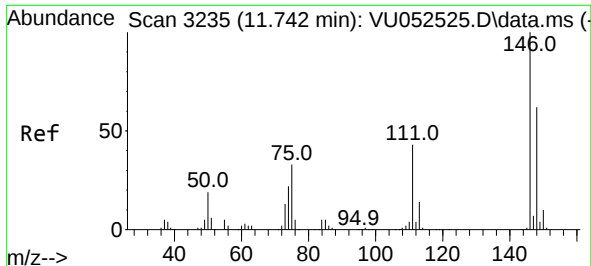
Tgt Ion:105 Resp: 256539

Ion Ratio Lower Upper

105 100

120 45.1 35.6 53.4

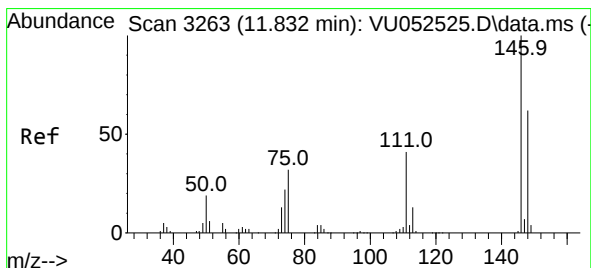
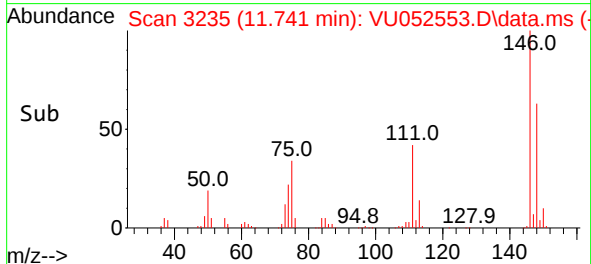
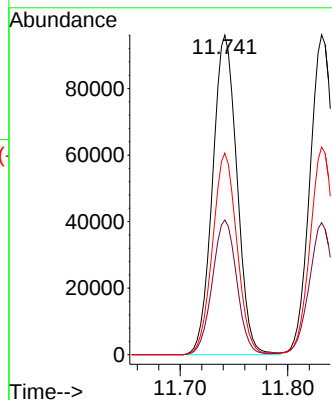
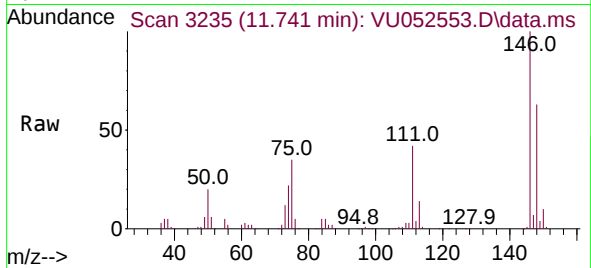




#64
1,3-Dichlorobenzene
Concen: 5.338 ug/L
RT: 11.741 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

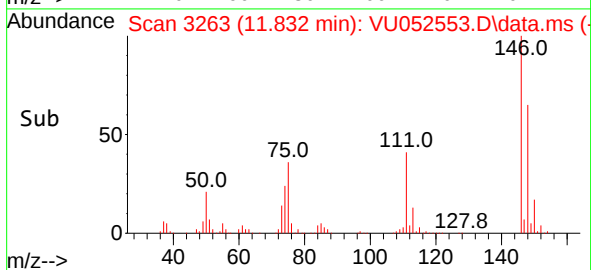
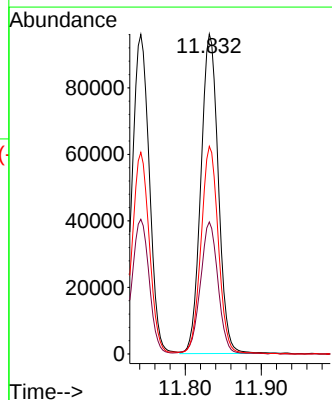
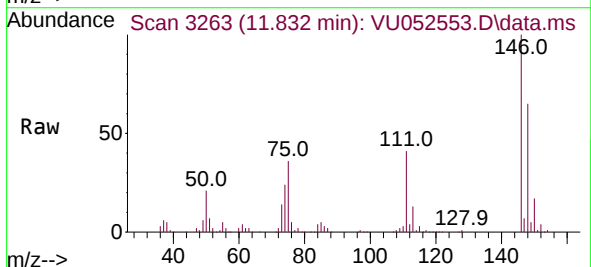
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

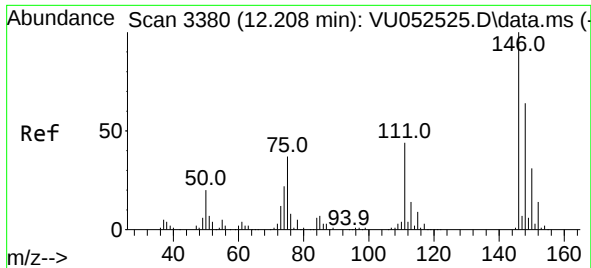
Tgt Ion:146 Resp: 151670
Ion Ratio Lower Upper
146 100
111 42.2 29.9 55.5
148 63.1 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.195 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion:146 Resp: 152644
Ion Ratio Lower Upper
146 100
111 41.3 27.5 51.1
148 64.9 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.221 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD005118

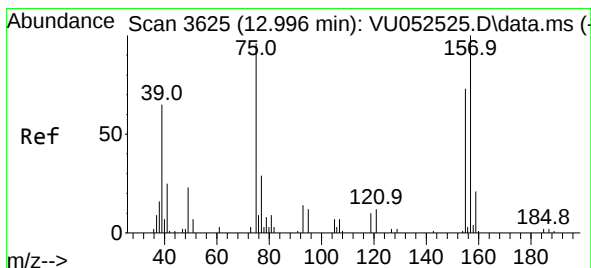
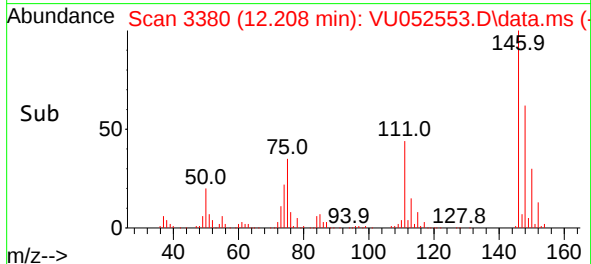
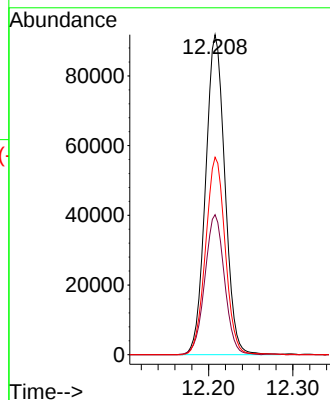
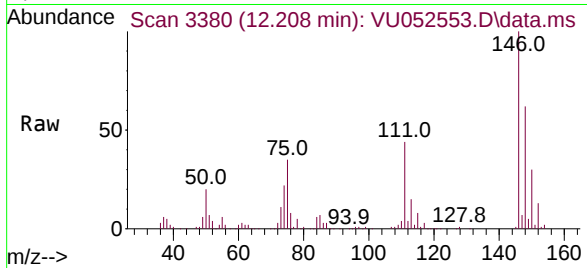
Tgt Ion:146 Resp: 146564

Ion Ratio Lower Upper

146 100

111 43.8 36.6 55.0

148 61.7 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.949 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU052553.D

Acq: 27 Dec 2022 10:19

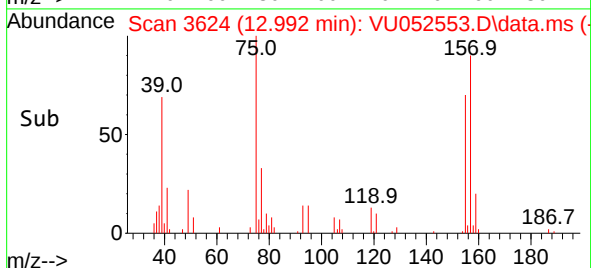
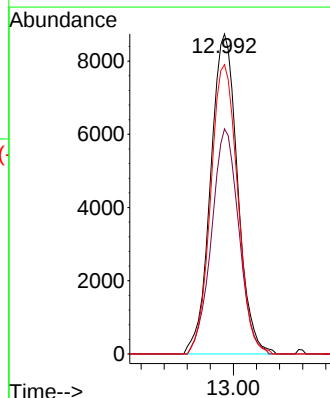
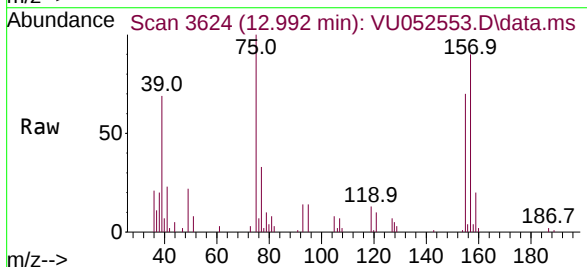
Tgt Ion: 75 Resp: 14194

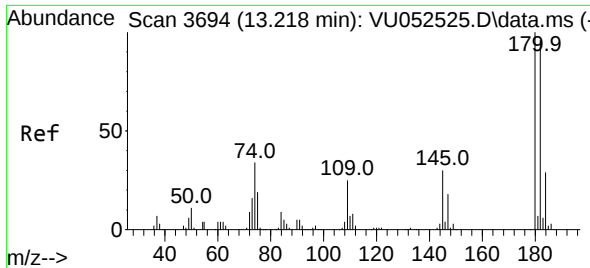
Ion Ratio Lower Upper

75 100

155 70.3 62.2 93.2

157 90.4 73.0 109.4

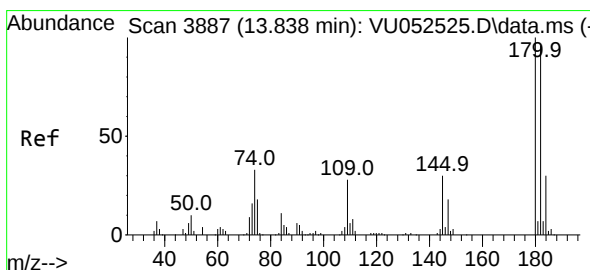
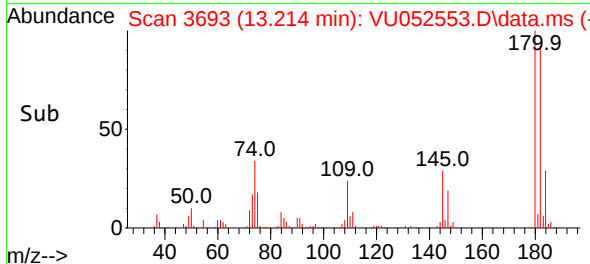
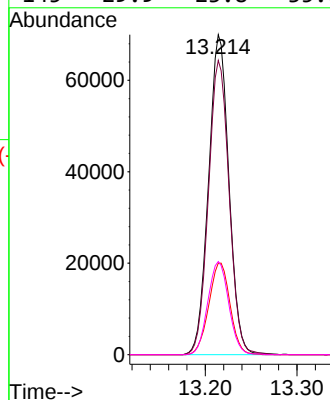
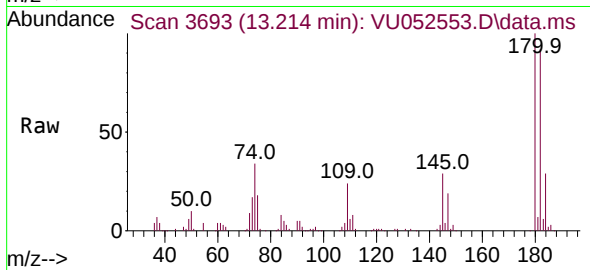




#69
1,3,5-Trichlorobenzene
Concen: 5.169 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.003 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

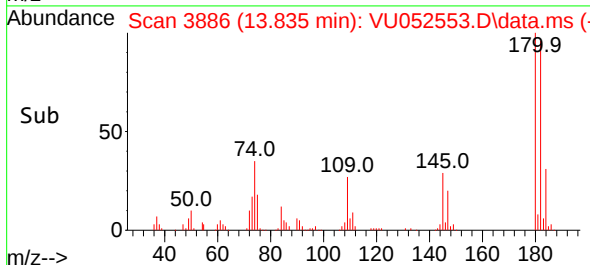
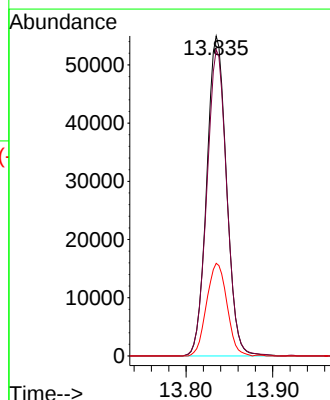
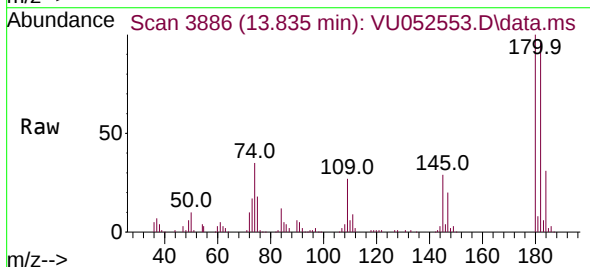
Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

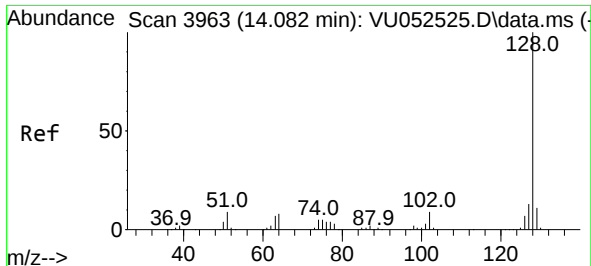
Tgt Ion:180 Resp: 108142
Ion Ratio Lower Upper
180 100
182 93.3 75.8 113.8
184 29.8 23.4 35.0
145 29.9 23.8 35.6



#70
1,2,4-trichlorobenzene
Concen: 4.945 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion:180 Resp: 87051
Ion Ratio Lower Upper
180 100
182 96.5 77.7 116.5
145 29.8 24.0 36.0

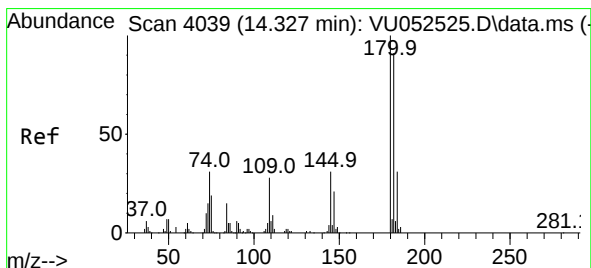
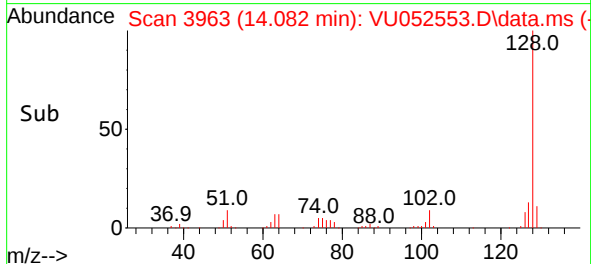
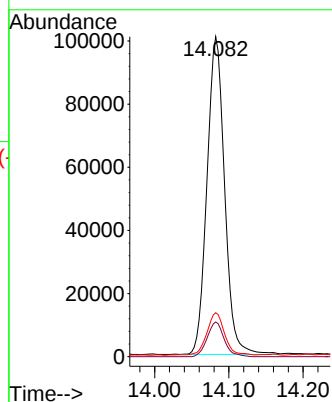
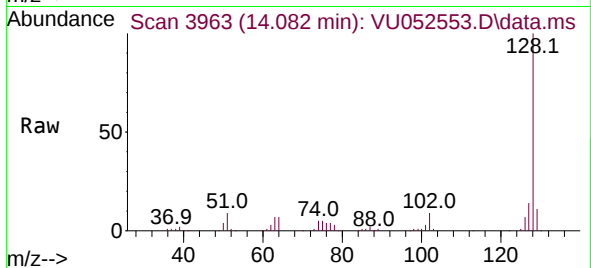




#71
Naphthalene
Concen: 4.651 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD005118

Tgt Ion:128 Resp: 165658
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 13.0 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.896 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052553.D
Acq: 27 Dec 2022 10:19

Tgt Ion:180 Resp: 86395
Ion Ratio Lower Upper
180 100
182 94.2 76.3 114.5
145 32.6 25.8 38.8

