

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102822\
 Data File : VU051582.D
 Acq On : 28 Oct 2022 21:17
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005187

Quant Time: Oct 28 22:55:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 22:38:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	222957	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	226869	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	118508	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79400	4.728	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.600%
7) Chloroethane-d5	1.912	69	85259	4.868	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.565	65	29479	4.837	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	4.636	46	315445	51.871	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.740%
24) Chloroform-d	5.060	84	194122	4.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.703	65	100377	4.729	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.726	84	349378	4.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.690	67	124050	4.955	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.896	98	283672	5.039	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	8.179	79	36399	4.755	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.632	63	246901	53.582	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.160%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	114465	4.989	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	104296	4.795	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	133931	5.493	ug/L	100
3) Chloromethane	1.527	50	154442	5.025	ug/L	97
5) Vinyl chloride	1.601	62	156760	5.324	ug/L	97
6) Bromomethane	1.858	94	44509	3.188	ug/L	96
8) Chloroethane	1.932	64	97684	5.464	ug/L	99
9) Trichlorofluoromethane	2.138	101	174295	5.393	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	105542	5.554	ug/L	98
12) 1,1-Dichloroethene	2.578	96	102792	5.303	ug/L	97
13) Acetone	2.652	43	161541	52.353	ug/L	100
14) Carbon disulfide	2.790	76	329687	5.276	ug/L	99
15) Methyl Acetate	2.957	43	41315	5.114	ug/L	98
16) Methylene chloride	3.044	84	140557	4.427	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	228844	5.149	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	110657	5.320	ug/L	98
19) 1,1-Dichloroethane	3.867	63	203450	5.302	ug/L	98
21) 2-Butanone	4.716	43	262371	54.298	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	120499	5.235	ug/L	97
23) Bromochloromethane	4.973	128	54639	5.077	ug/L	96
25) Chloroform	5.086	83	209626	5.266	ug/L	99

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

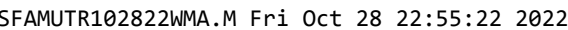
Instrument :
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 ClientSampleId :
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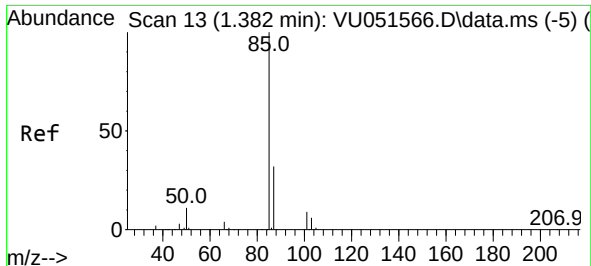
Quant Time: Oct 28 22:55:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 22:38:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	123350	5.036	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	166383	5.402	ug/L	99
30) Cyclohexane	5.388	56	154515	5.448	ug/L	98
31) Carbon tetrachloride	5.523	117	141164	5.358	ug/L	99
33) Benzene	5.771	78	478375	5.343	ug/L	100
34) Trichloroethene	6.539	95	112660	5.214	ug/L	99
35) Methylcyclohexane	6.761	83	157539	5.274	ug/L	99
37) 1,2-Dichloropropane	6.790	63	122848	5.335	ug/L	99
38) Bromodichloromethane	7.105	83	146506	5.209	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	149860	5.073	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	635330	55.007	ug/L	100
42) Toluene	7.967	91	507474	5.519	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	129304	5.237	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	87388	5.179	ug/L	99
47) Tetrachloroethene	8.552	164	86293	5.215	ug/L	94
48) 2-Hexanone	8.684	43	477210	55.819	ug/L	99
49) Dibromochloromethane	8.806	129	99153	5.144	ug/L	98
50) 1,2-Dibromoethane	8.922	107	80579	5.293	ug/L	95
51) Chlorobenzene	9.446	112	302366	5.225	ug/L	100
52) Ethylbenzene	9.568	91	471062	5.310	ug/L	100
53) m,p-Xylene	9.690	106	189379	5.496	ug/L	99
54) o-Xylene	10.099	106	183494	5.449	ug/L	96
55) Styrene	10.111	104	315592	5.605	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	111413	5.325	ug/L	99
59) Bromoform	10.288	173	54175	4.948	ug/L	98
60) Isopropylbenzene	10.481	105	466625	5.394	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	77248	5.041	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	115850	4.974	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	341470	5.085	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	223595	5.191	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	219717	5.088	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	212127	5.056	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	16081	5.096	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	149467	4.869	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	111216	4.719	ug/L	98
71) Naphthalene	14.082	128	189373	4.304	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	113477	4.768	ug/L	99

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

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Response via : Initial Calibration

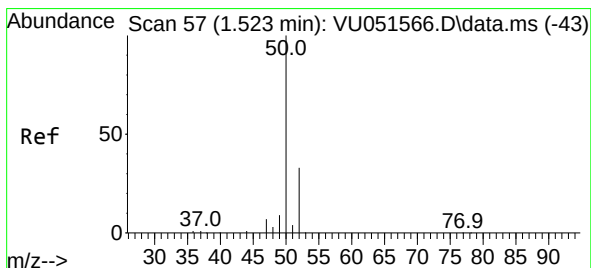
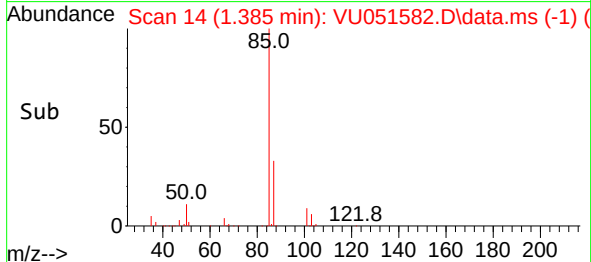
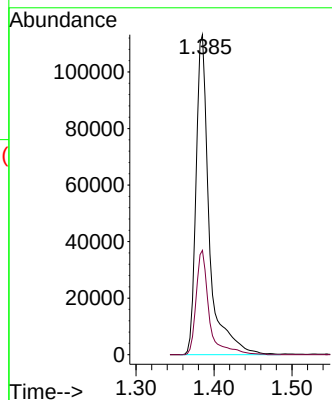
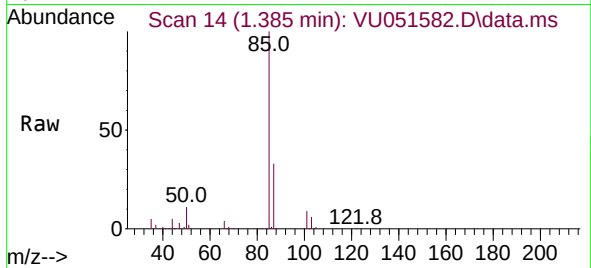




#2
Dichlorodifluoromethane
Concen: 5.493 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

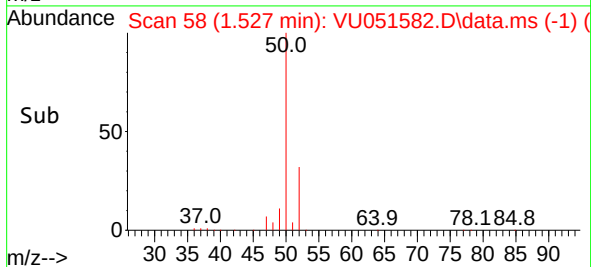
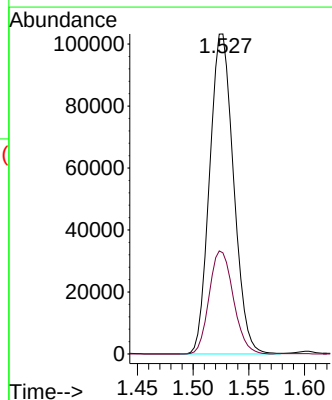
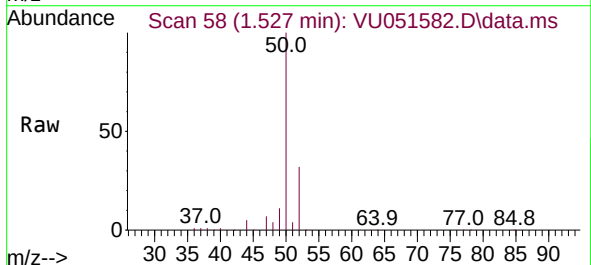
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MSVOA_U
ClientSampleId :
VSTD005187

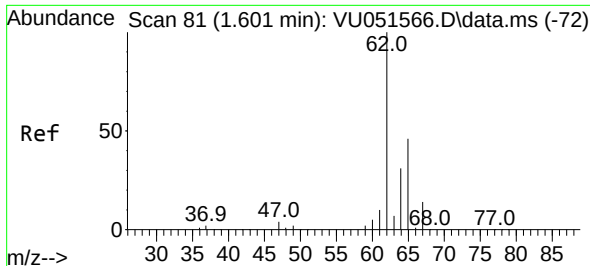
Tgt Ion: 85 Resp: 133931
Ion Ratio Lower Upper
85 100
87 32.1 25.7 38.5



#3
Chloromethane
Concen: 5.025 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 50 Resp: 154442
Ion Ratio Lower Upper
50 100
52 31.6 23.2 43.2

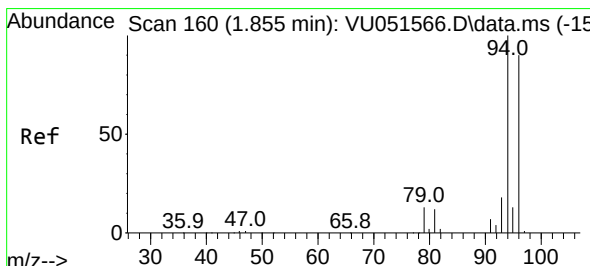
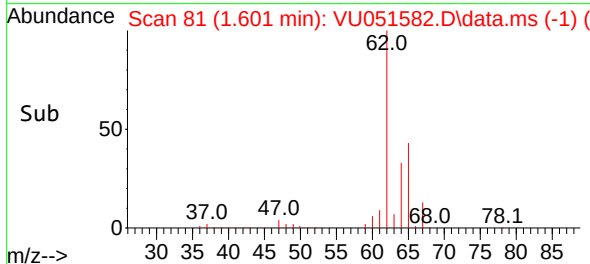
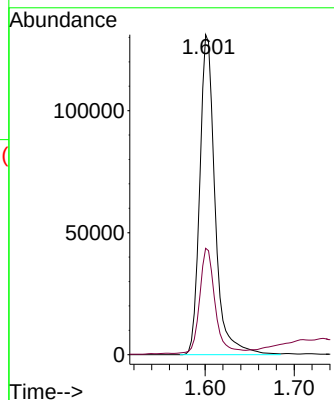
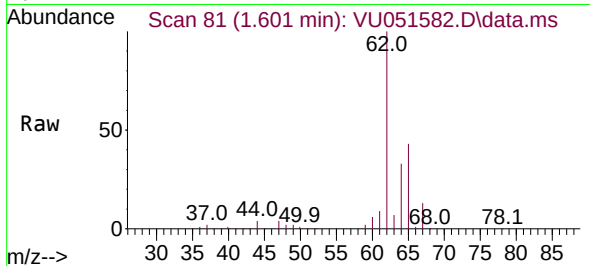




#5
 Vinyl chloride
 Concen: 5.324 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

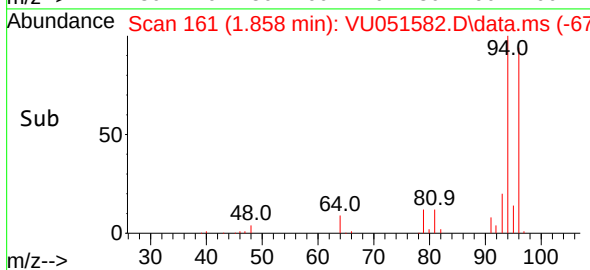
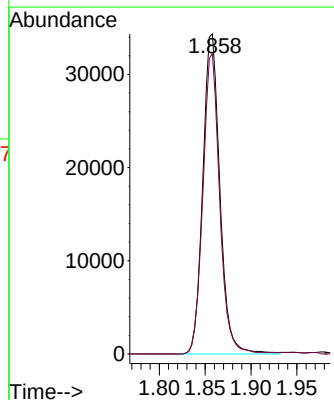
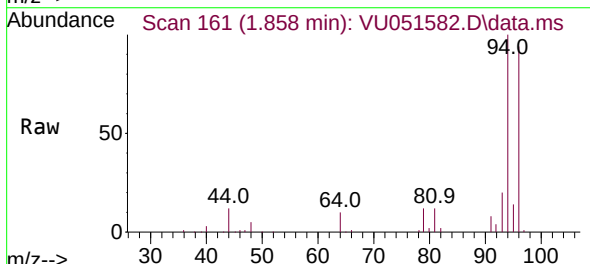
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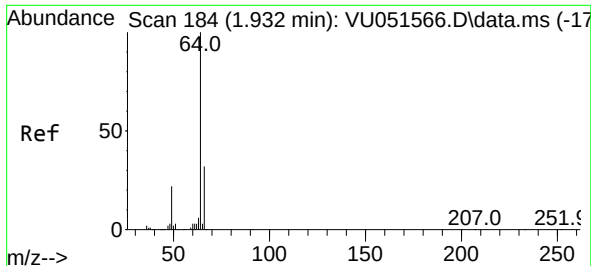
Tgt Ion: 62 Resp: 156760
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.1 41.1



#6
 Bromomethane
 Concen: 3.188 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

Tgt Ion: 94 Resp: 44509
 Ion Ratio Lower Upper
 94 100
 96 93.9 63.2 117.4

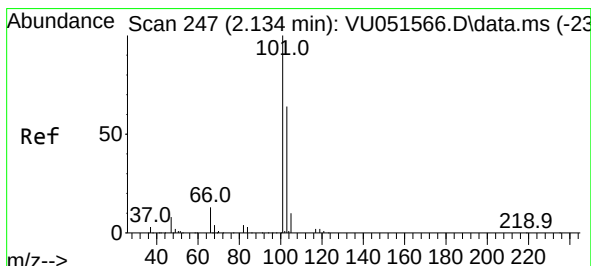
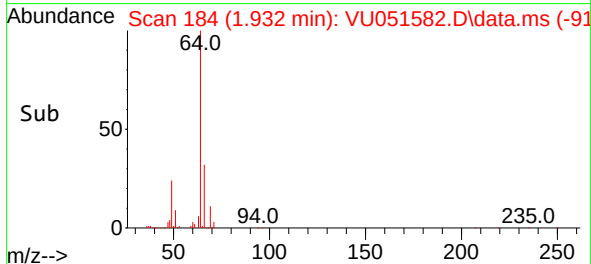
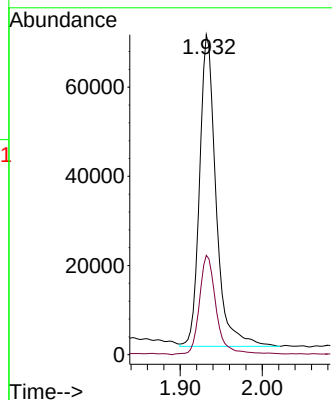
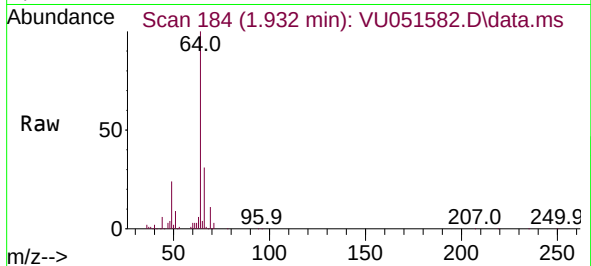




#8
Chloroethane
Concen: 5.464 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

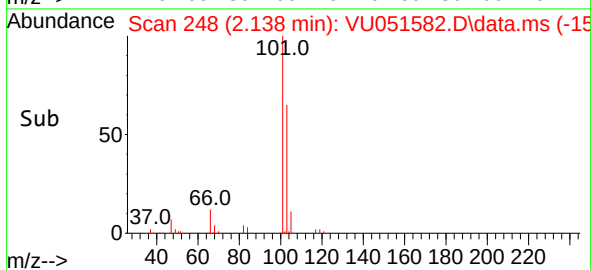
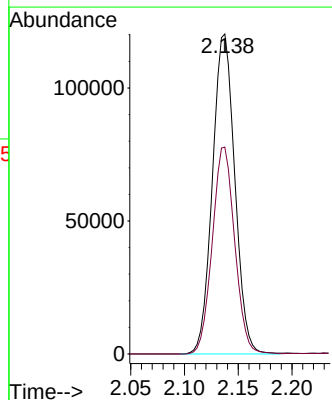
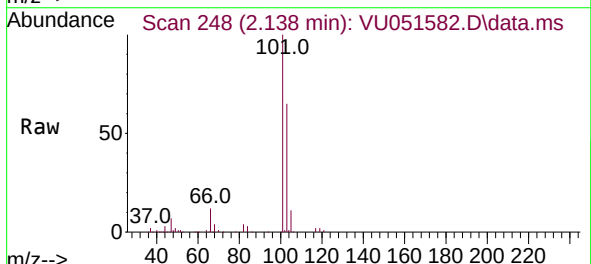
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ClientSampleId :
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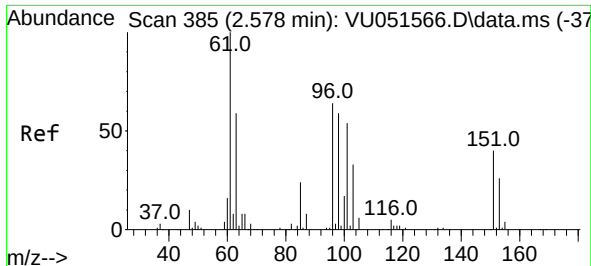
Tgt Ion: 64 Resp: 97684
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.393 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 101 Resp: 174295
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

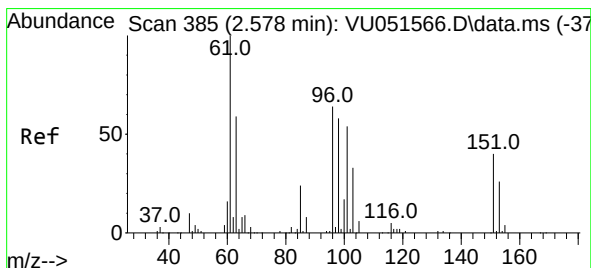
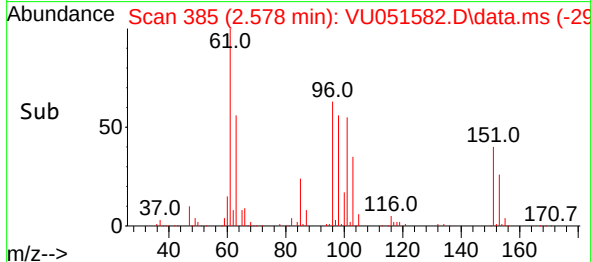
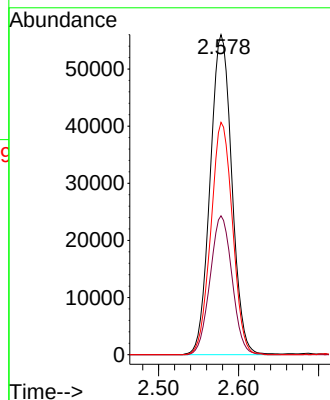
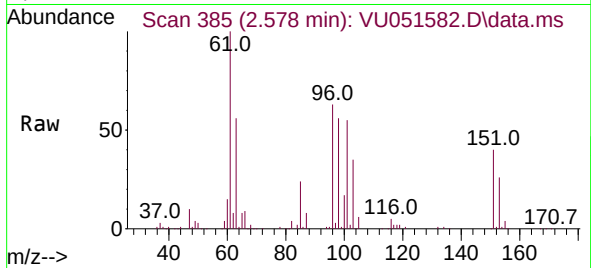




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.554 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

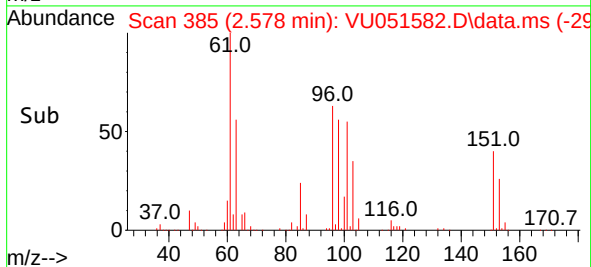
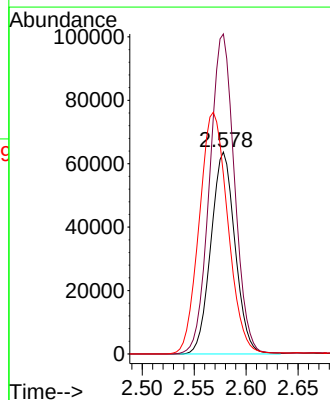
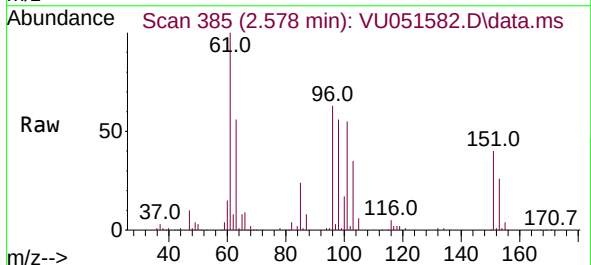
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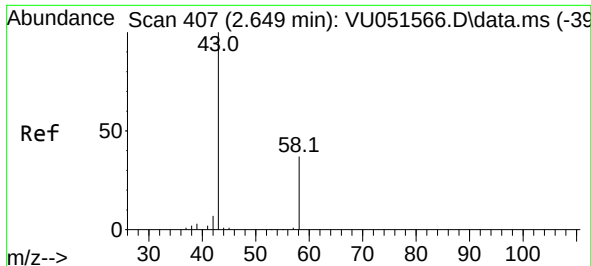
Tgt Ion:101 Resp: 105542
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.6 53.4
 151 72.5 59.6 89.4



#12
 1,1-Dichloroethene
 Concen: 5.303 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

Tgt Ion: 96 Resp: 102792
 Ion Ratio Lower Upper
 96 100
 61 158.5 108.8 202.0
 63 88.9 64.9 120.5





#13

Acetone

Concen: 52.353 ug/L

RT: 2.652 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

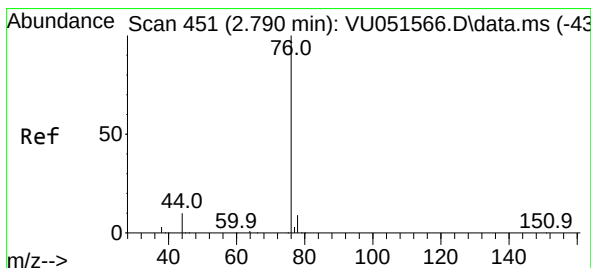
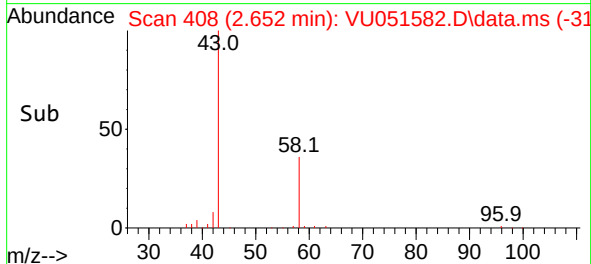
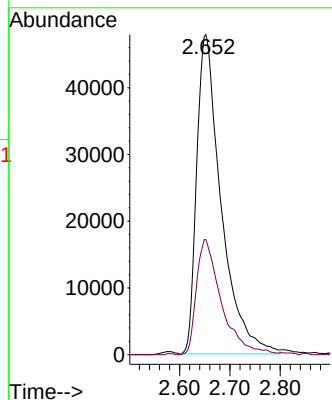
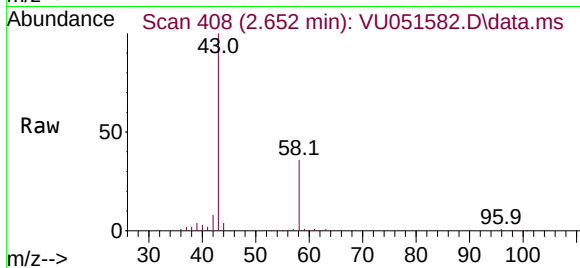
VSTD005187

Tgt Ion: 43 Resp: 161541

Ion Ratio Lower Upper

43 100

58 36.7 0.0 73.8



#14

Carbon disulfide

Concen: 5.276 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051582.D

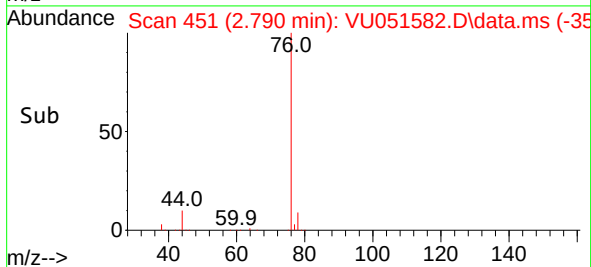
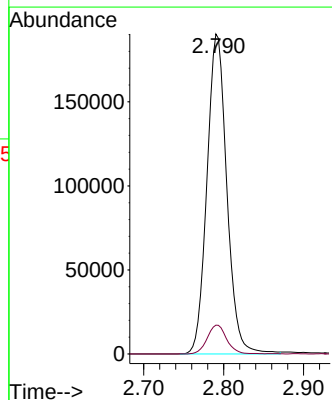
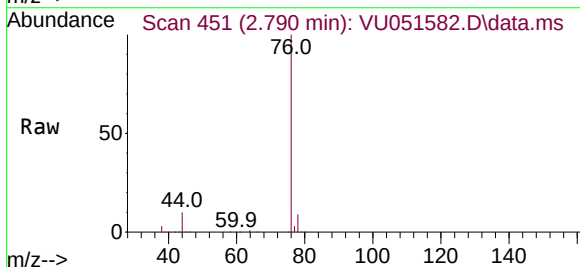
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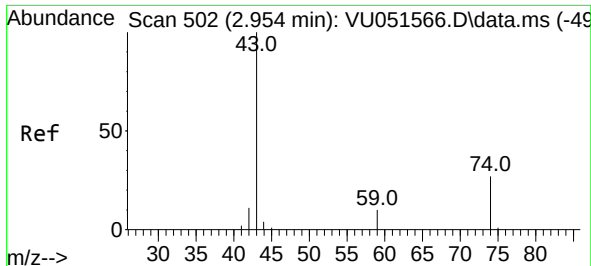
Tgt Ion: 76 Resp: 329687

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

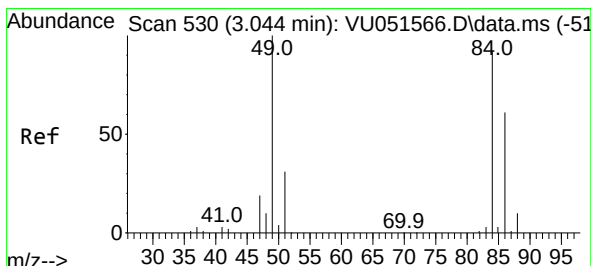
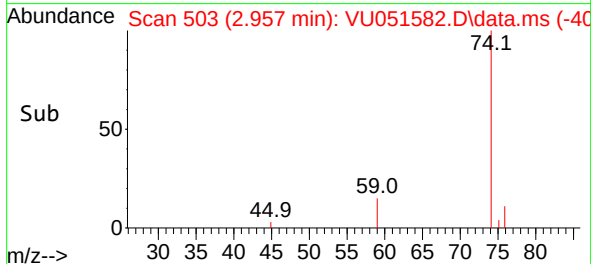
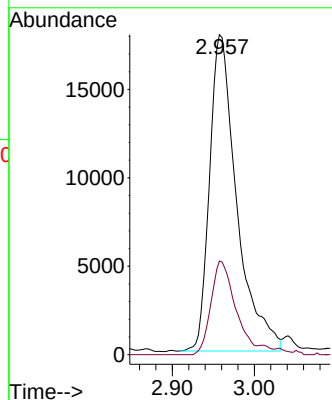
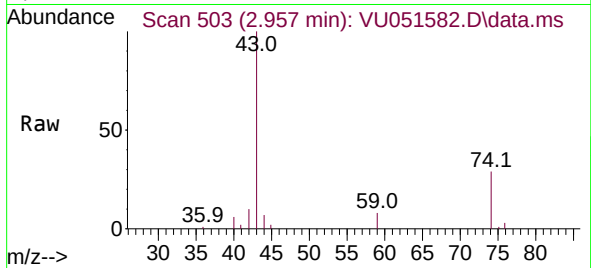




#15
Methyl Acetate
Concen: 5.114 ug/L
RT: 2.957 min Scan# 50
Delta R.T. 0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

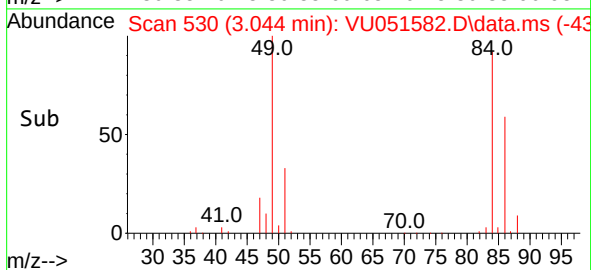
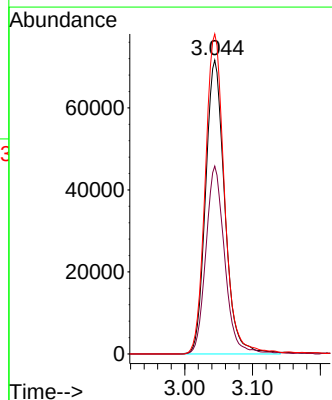
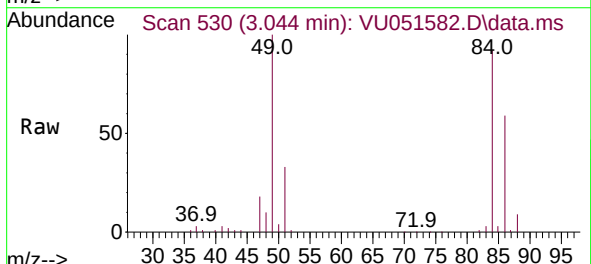
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

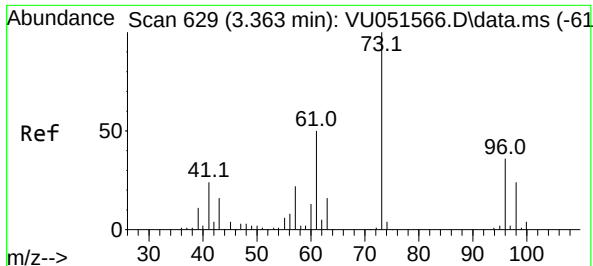
Tgt Ion: 43 Resp: 41315
Ion Ratio Lower Upper
43 100
74 26.5 20.2 30.4



#16
Methylene chloride
Concen: 4.427 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 84 Resp: 140557
Ion Ratio Lower Upper
84 100
86 63.9 46.3 85.9
49 108.9 76.0 141.2





#17

Methyl tert-butyl Ether

Concen: 5.149 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

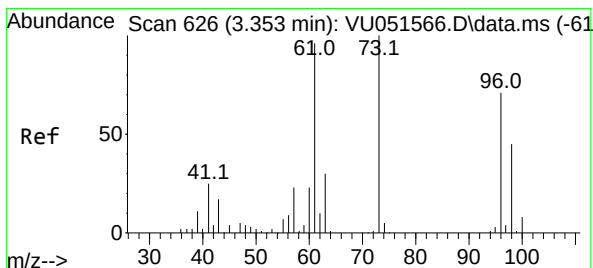
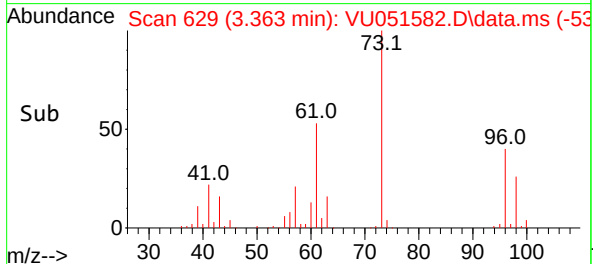
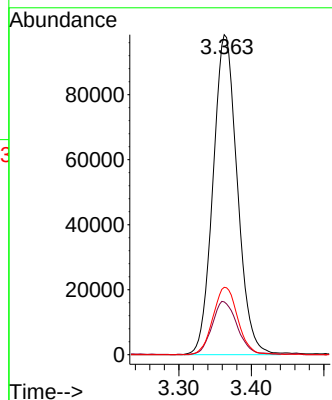
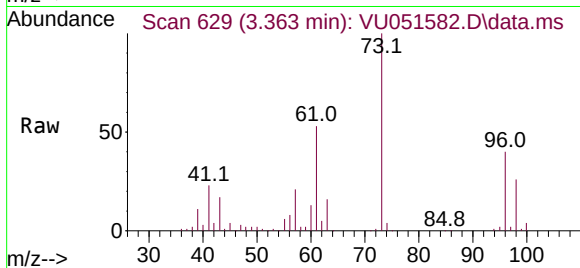
Tgt Ion: 73 Resp: 228844

Ion Ratio Lower Upper

73 100

43 17.4 13.6 20.4

57 21.6 17.5 26.3



#18

trans-1,2-Dichloroethene

Concen: 5.320 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

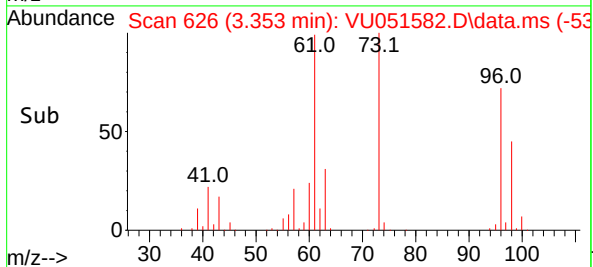
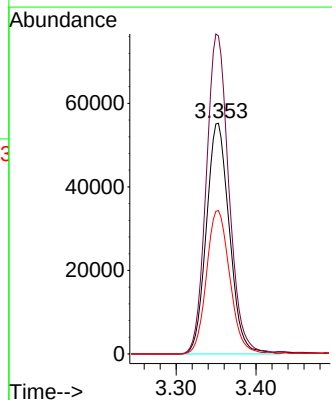
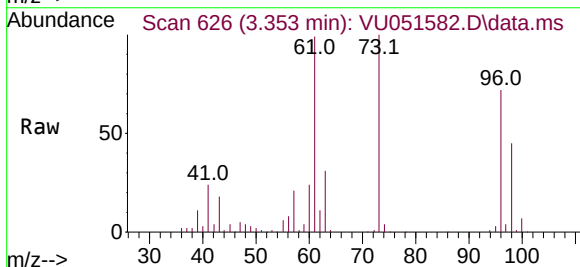
Tgt Ion: 96 Resp: 110657

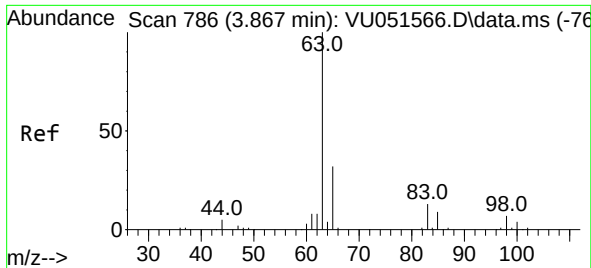
Ion Ratio Lower Upper

96 100

61 137.8 94.7 175.9

98 62.1 44.2 82.0

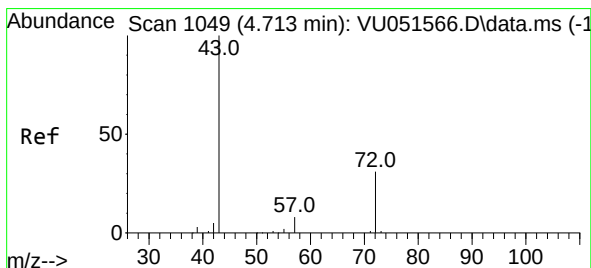
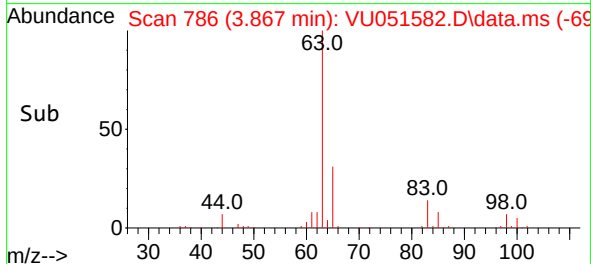
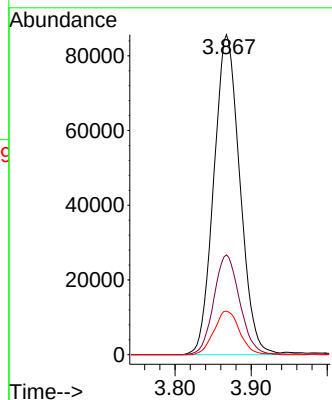
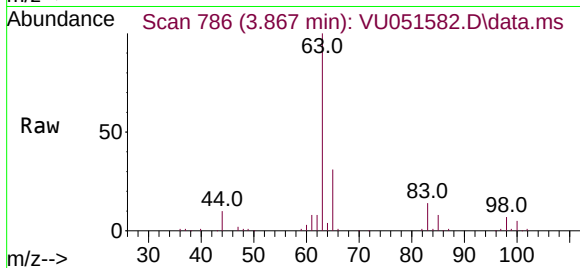




#19
1,1-Dichloroethane
Concen: 5.302 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

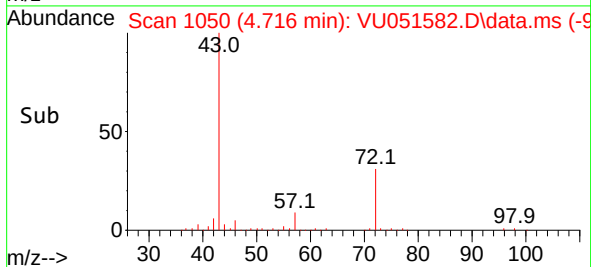
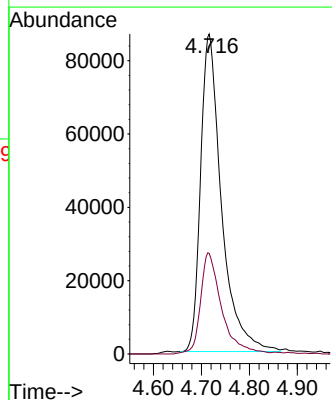
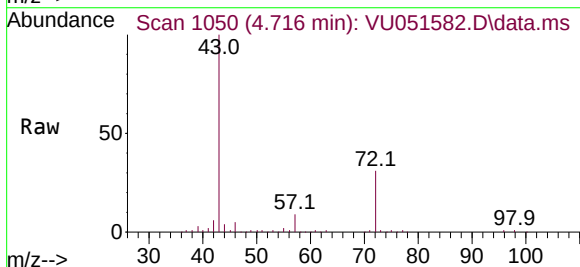
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

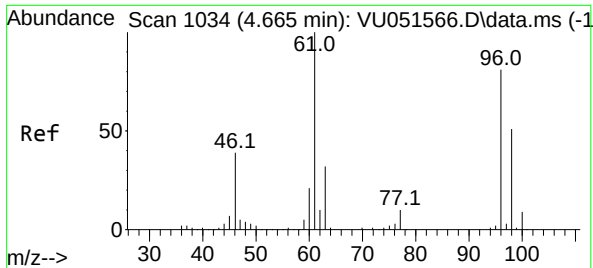
Tgt Ion: 63 Resp: 203450
Ion Ratio Lower Upper
63 100
65 31.2 22.7 42.1
83 13.6 9.2 17.0



#21
2-Butanone
Concen: 54.298 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 43 Resp: 262371
Ion Ratio Lower Upper
43 100
72 32.0 16.2 48.5





#22

cis-1,2-Dichloroethene

Concen: 5.235 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

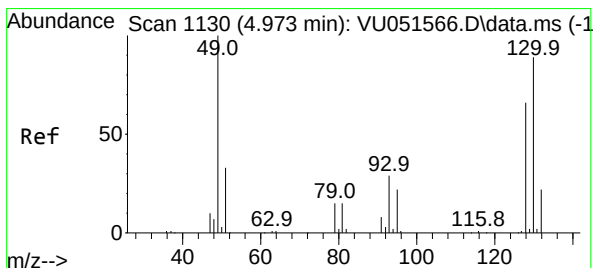
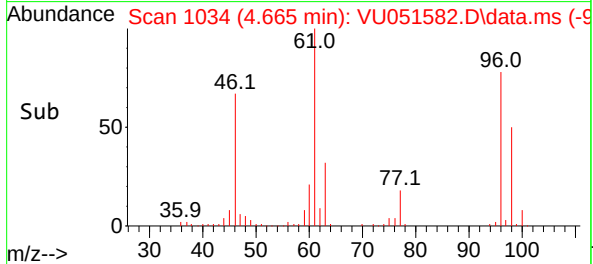
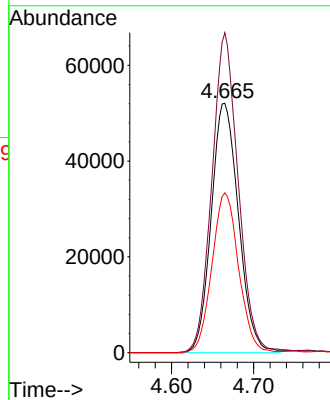
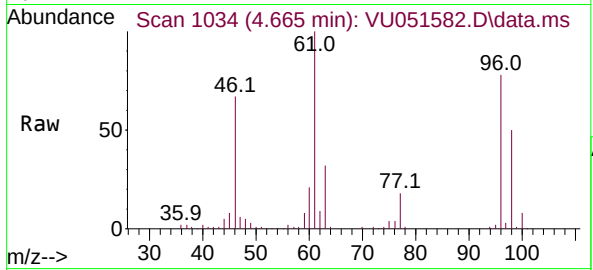
Tgt Ion: 96 Resp: 120499

Ion Ratio Lower Upper

96 100

61 128.3 86.4 160.4

98 64.1 44.2 82.2



#23

Bromochloromethane

Concen: 5.077 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Tgt Ion:128 Resp: 54639

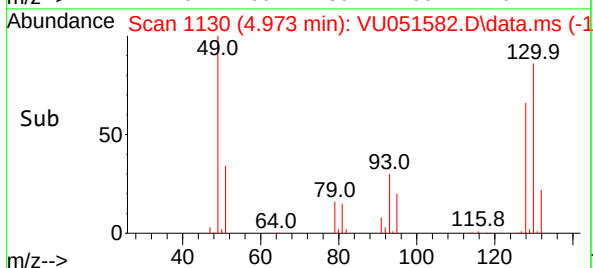
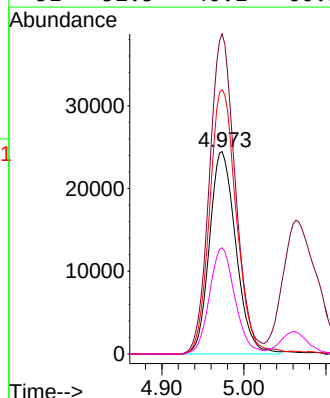
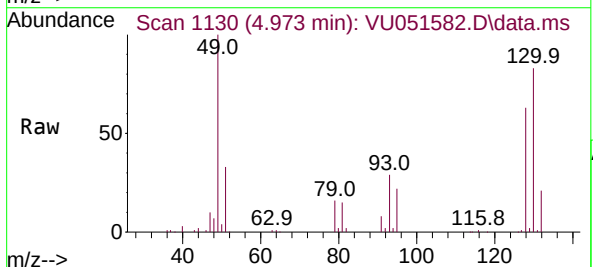
Ion Ratio Lower Upper

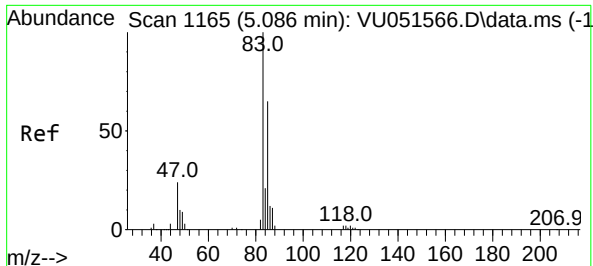
128 100

49 158.1 105.5 195.9

130 130.5 93.5 173.7

51 52.5 40.1 60.1





#25

Chloroform

Concen: 5.266 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

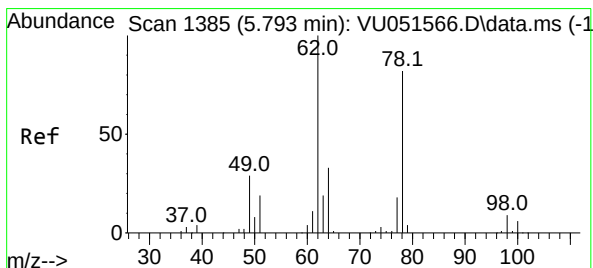
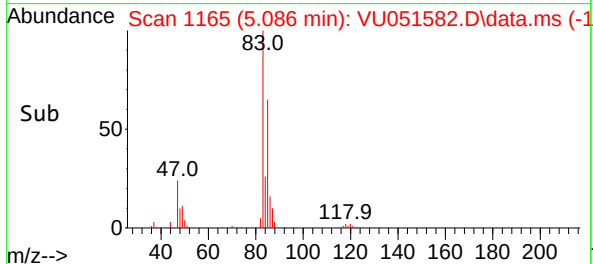
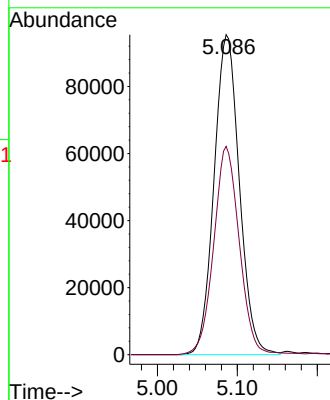
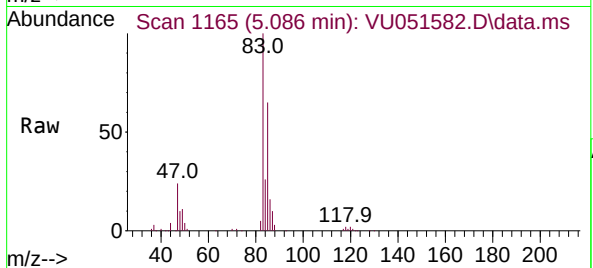
VSTD005187

Tgt Ion: 83 Resp: 209626

Ion Ratio Lower Upper

83 100

85 65.1 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.036 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051582.D

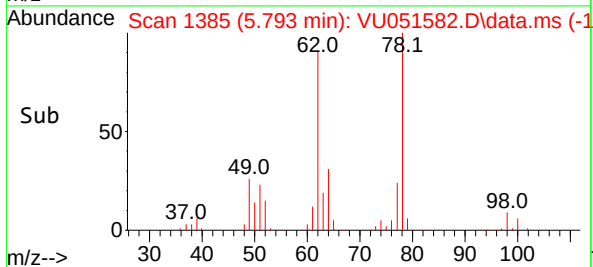
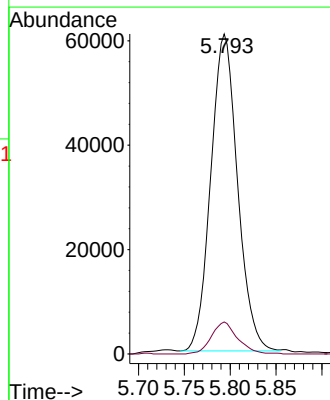
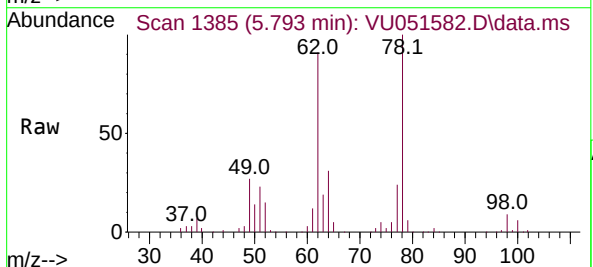
Acq: 28 Oct 2022 21:17

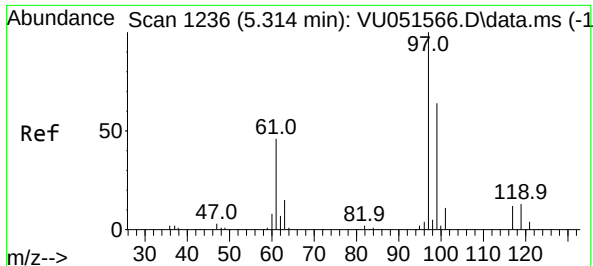
Tgt Ion: 62 Resp: 123350

Ion Ratio Lower Upper

62 100

98 10.0 7.4 11.0

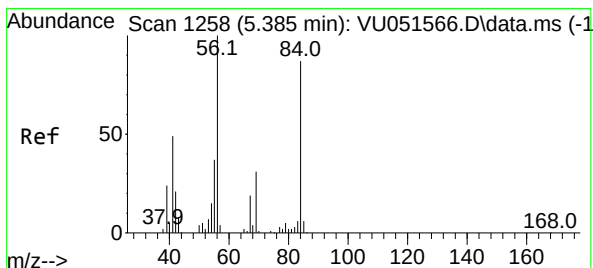
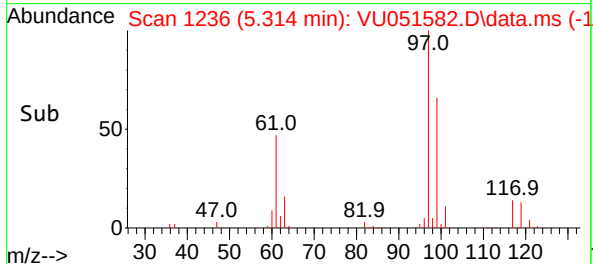
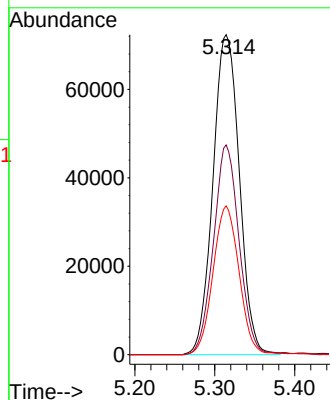
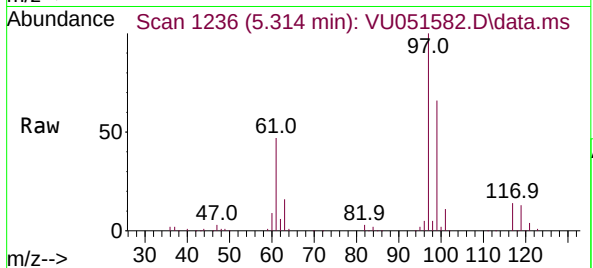




#29
1,1,1-Trichloroethane
Concen: 5.402 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

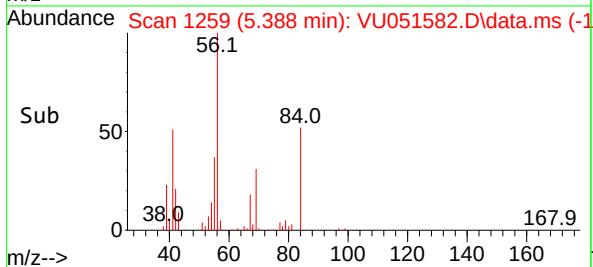
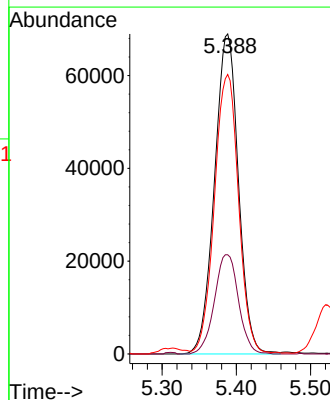
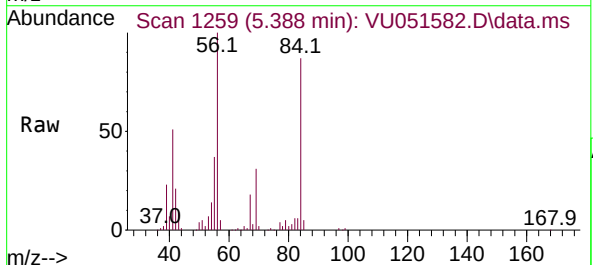
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

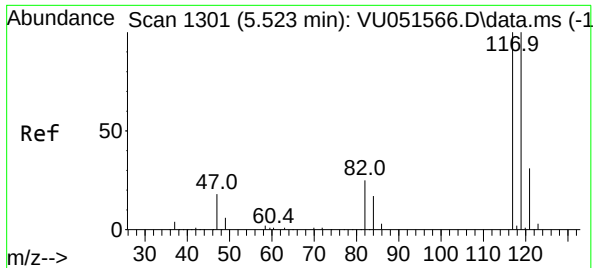
Tgt Ion: 97 Resp: 166383
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 45.9 37.4 56.0



#30
Cyclohexane
Concen: 5.448 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 56 Resp: 154515
Ion Ratio Lower Upper
56 100
69 31.2 25.4 38.0
84 87.4 71.4 107.0

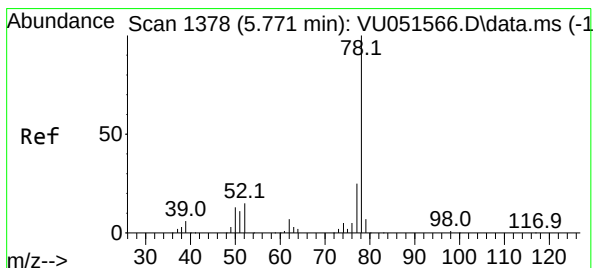
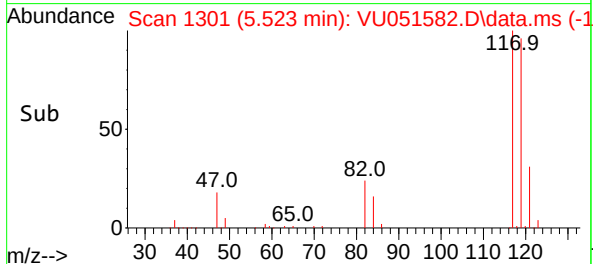
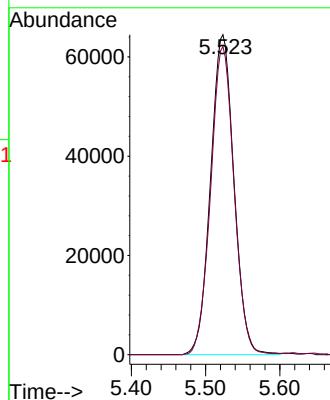
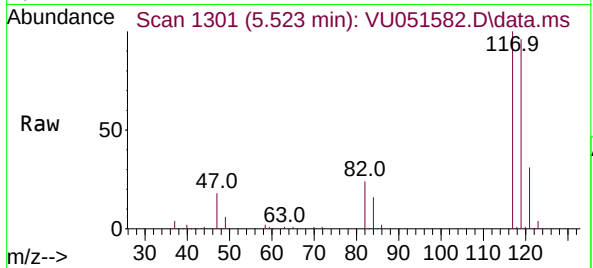




#31
Carbon tetrachloride
Concen: 5.358 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

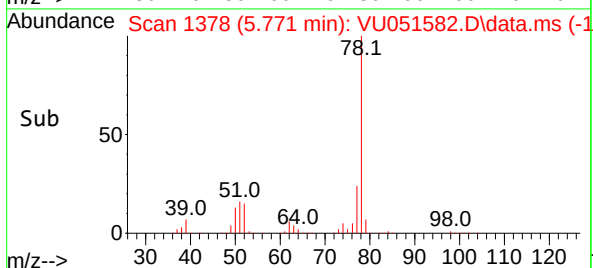
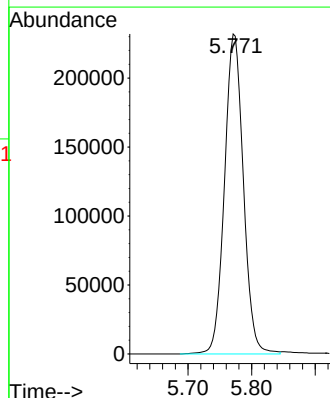
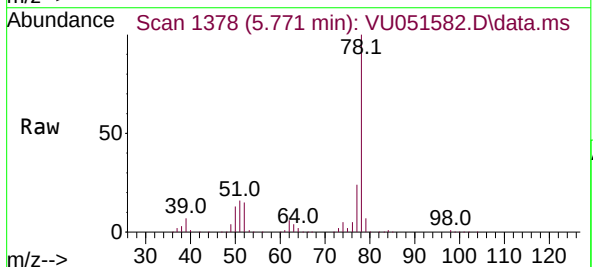
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

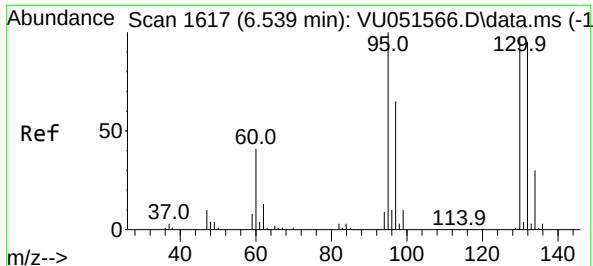
Tgt Ion:117 Resp: 141164
Ion Ratio Lower Upper
117 100
119 96.1 77.5 116.3



#33
Benzene
Concen: 5.343 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 78 Resp: 478375

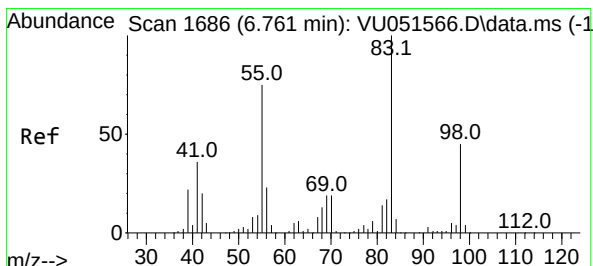
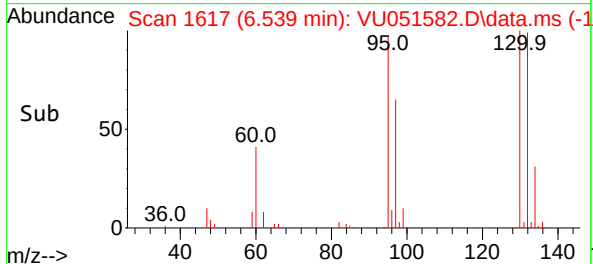
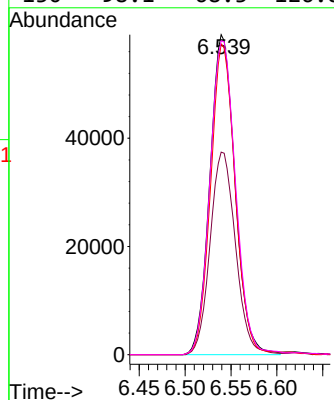
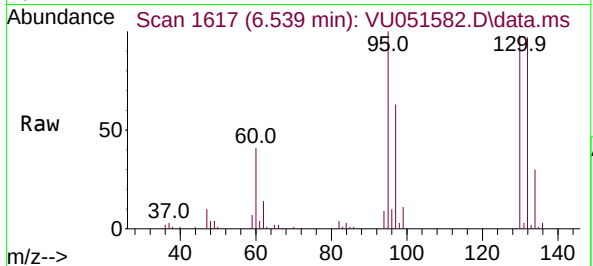




#34
Trichloroethene
Concen: 5.214 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

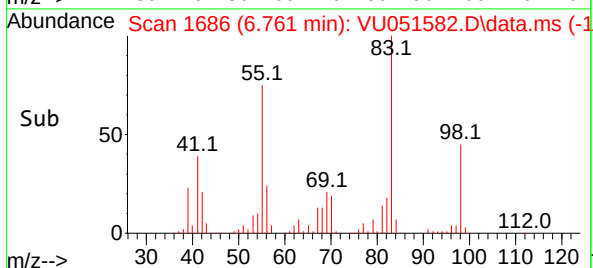
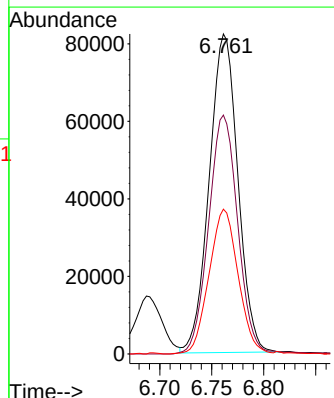
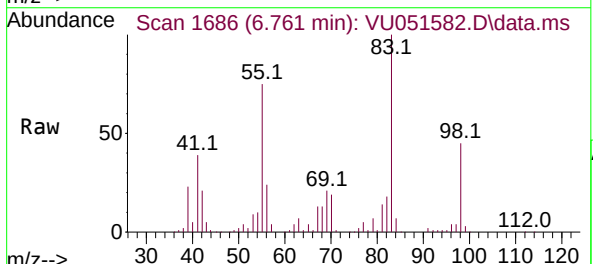
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

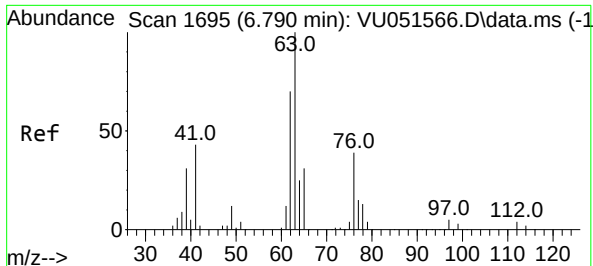
Tgt Ion: 95 Resp: 112660
Ion Ratio Lower Upper
95 100
97 63.3 45.2 84.0
132 97.1 66.5 123.5
130 98.1 68.3 126.8



#35
Methylcyclohexane
Concen: 5.274 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 83 Resp: 157539
Ion Ratio Lower Upper
83 100
55 76.6 60.6 90.8
98 46.1 35.8 53.6





#37

1,2-Dichloropropane

Concen: 5.335 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

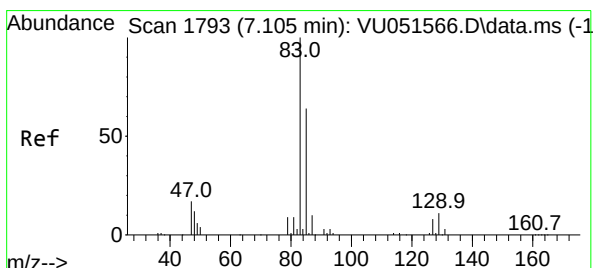
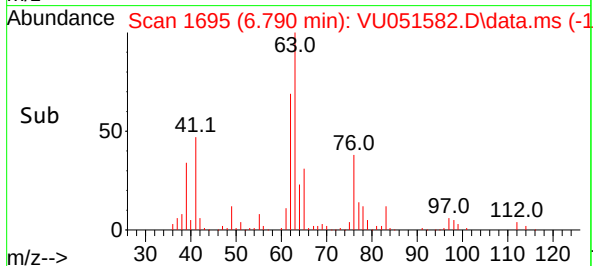
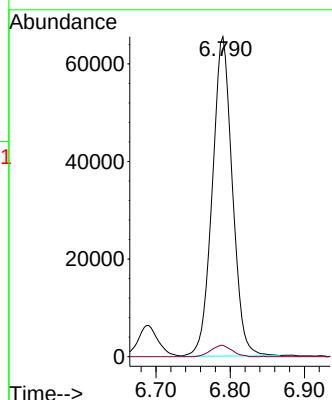
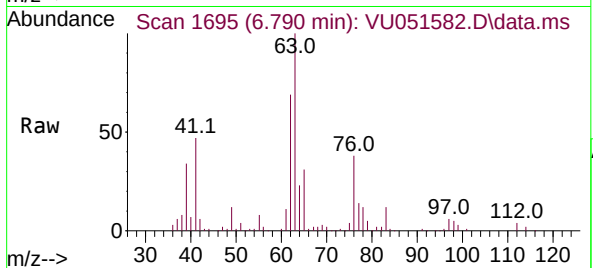
VSTD005187

Tgt Ion: 63 Resp: 122848

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 5.209 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

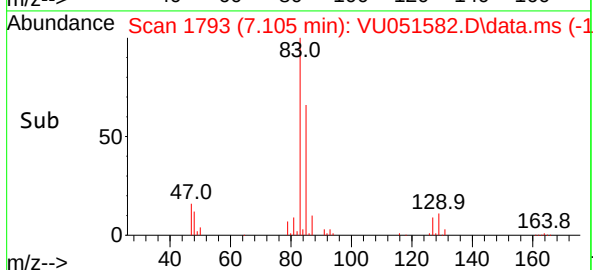
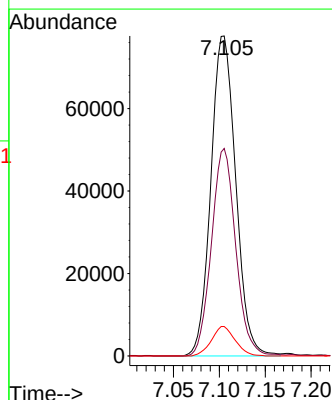
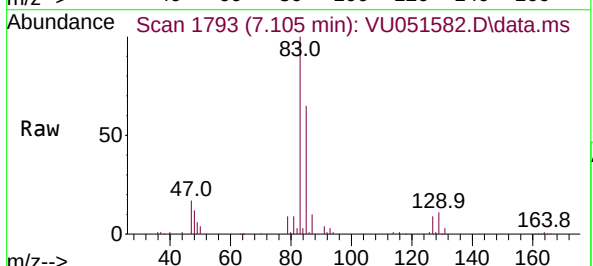
Tgt Ion: 83 Resp: 146506

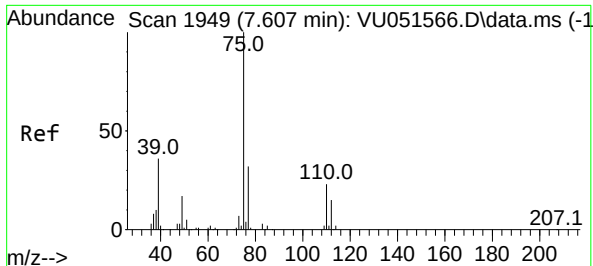
Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

127 9.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

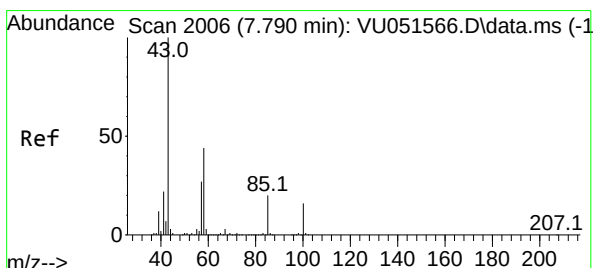
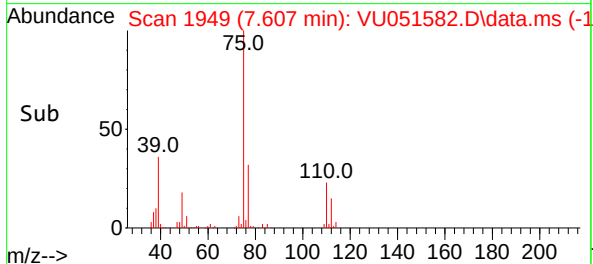
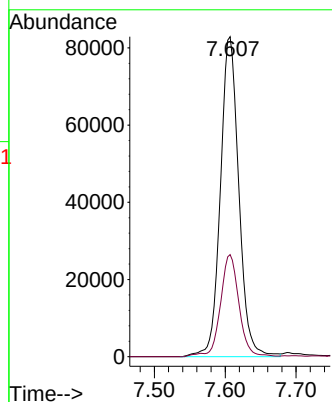
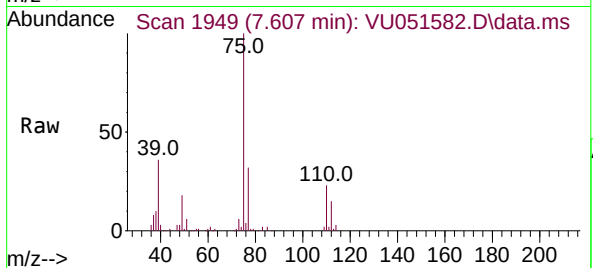
VSTD005187

Tgt Ion: 75 Resp: 149860

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 55.007 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

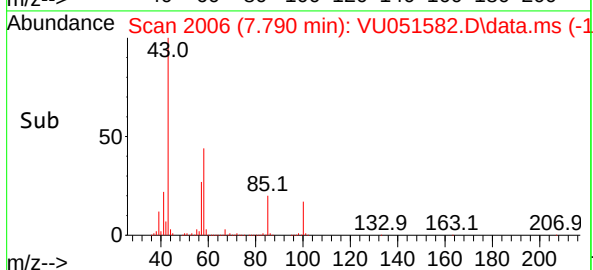
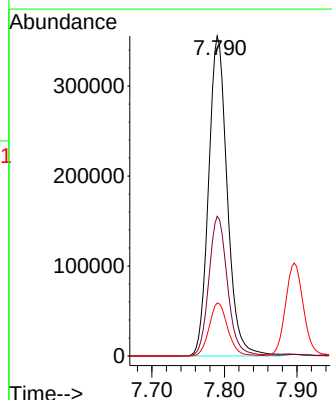
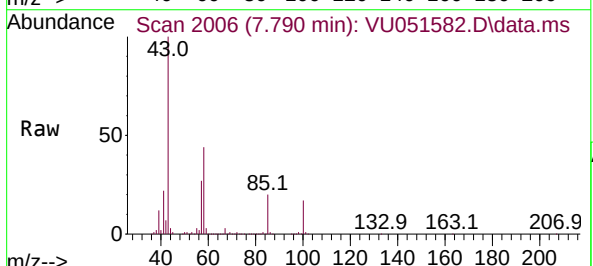
Tgt Ion: 43 Resp: 635330

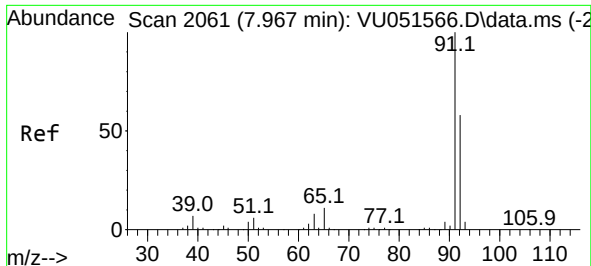
Ion Ratio Lower Upper

43 100

58 43.9 35.0 52.6

100 16.5 13.4 20.0





#42

Toluene

Concen: 5.519 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

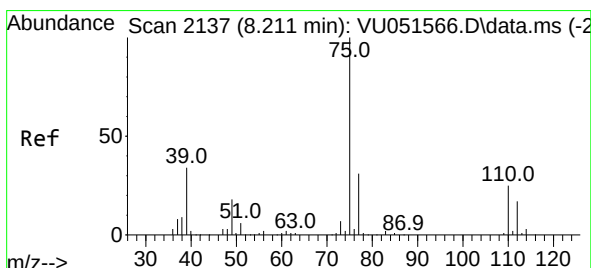
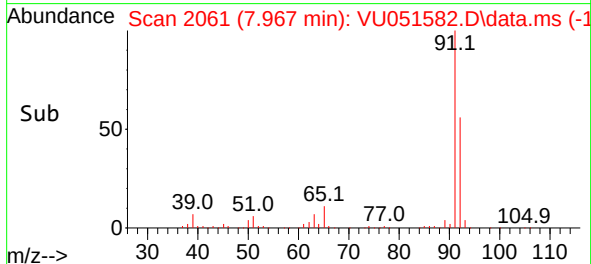
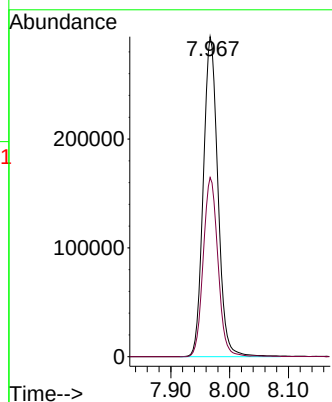
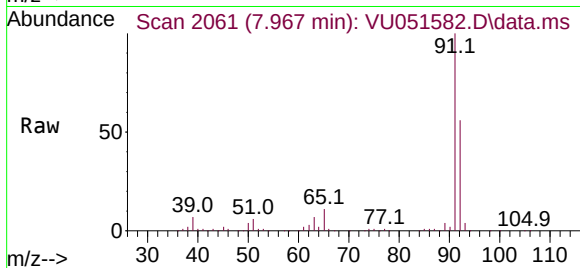
VSTD005187

Tgt Ion: 91 Resp: 507474

Ion Ratio Lower Upper

91 100

92 56.0 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.237 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU051582.D

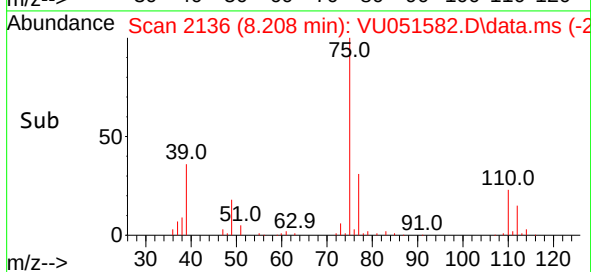
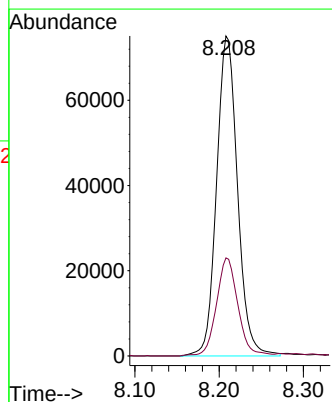
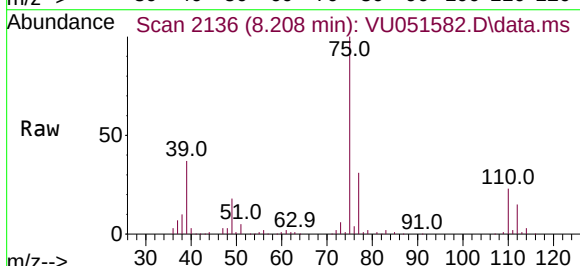
Acq: 28 Oct 2022 21:17

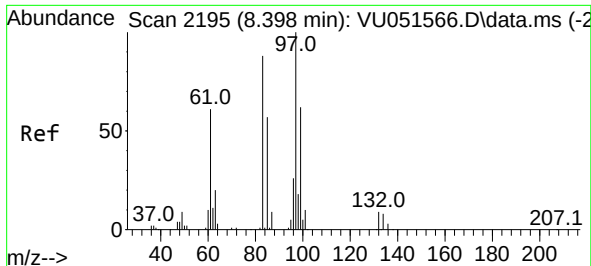
Tgt Ion: 75 Resp: 129304

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6

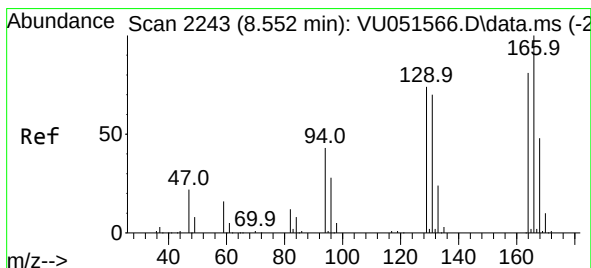
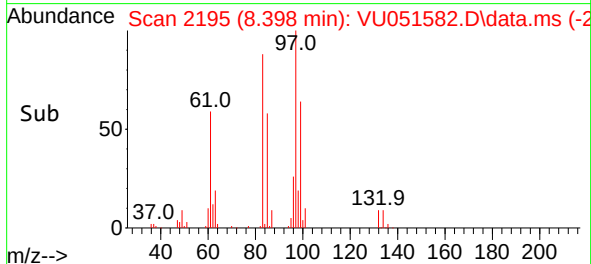
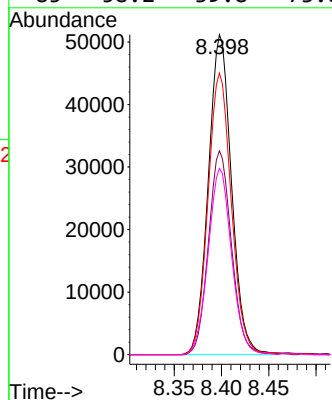
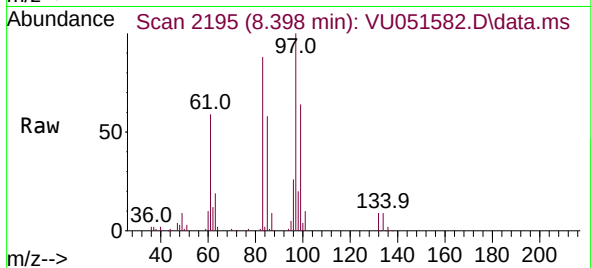




#45
1,1,2-Trichloroethane
Concen: 5.179 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

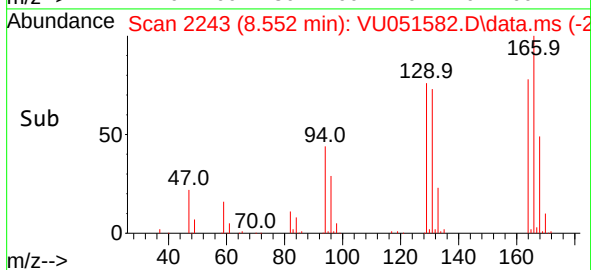
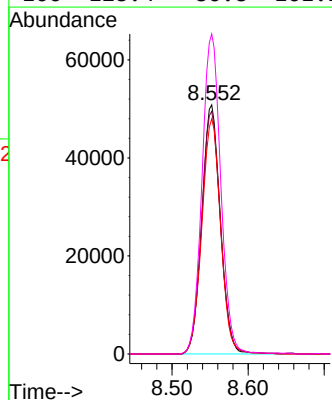
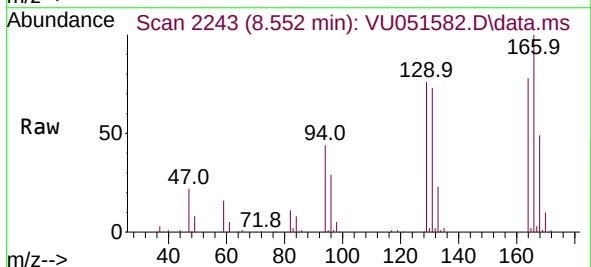
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

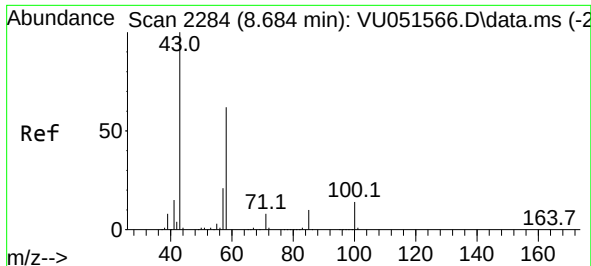
Tgt Ion:	97	Resp:	87388
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.4	80.6
83	88.0	61.3	113.9
85	58.2	39.8	73.8



#47
Tetrachloroethene
Concen: 5.215 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion:	164	Resp:	86293
Ion	Ratio	Lower	Upper
164	100		
129	97.4	64.0	118.8
131	94.3	60.7	112.7
166	128.4	86.8	161.2





#48

2-Hexanone

Concen: 55.819 ug/L

RT: 8.684 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

Tgt Ion: 43 Resp: 477210

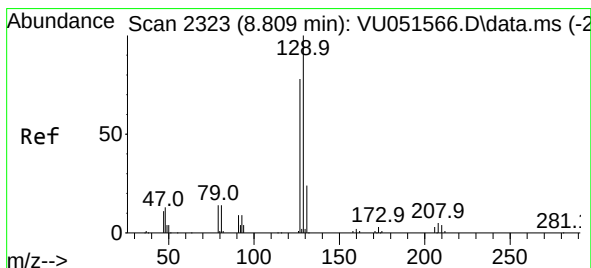
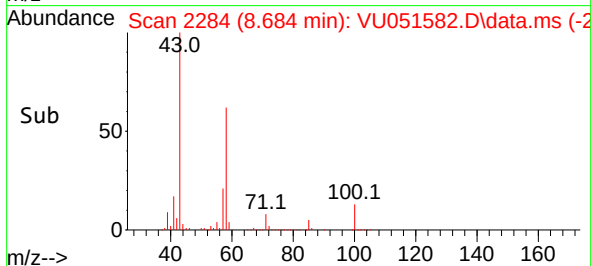
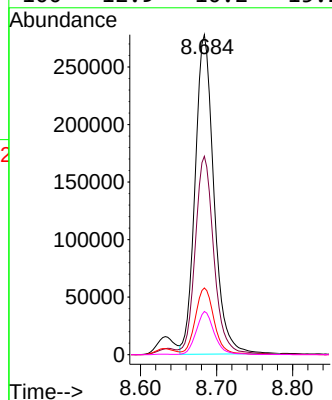
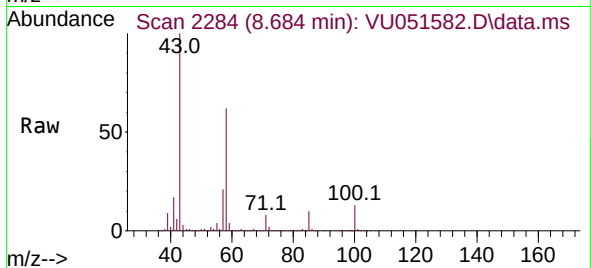
Ion Ratio Lower Upper

43 100

58 61.7 48.2 72.2

57 20.7 16.6 25.0

100 12.9 10.2 15.2



#49

Dibromochloromethane

Concen: 5.144 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. -0.003 min

Lab File: VU051582.D

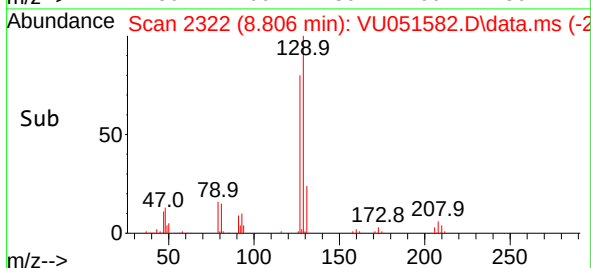
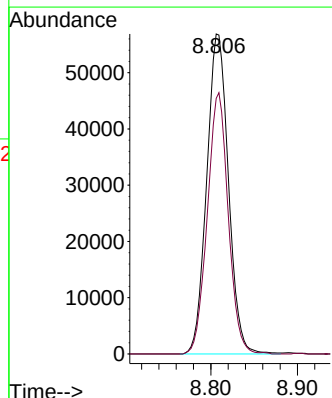
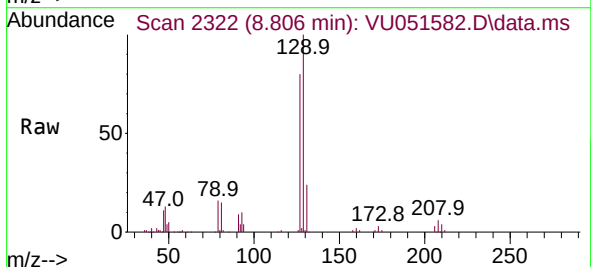
Acq: 28 Oct 2022 21:17

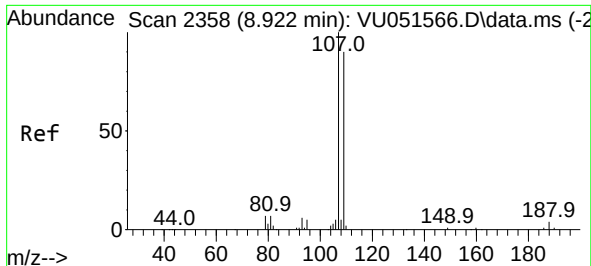
Tgt Ion: 129 Resp: 99153

Ion Ratio Lower Upper

129 100

127 79.9 54.8 101.8





#50

1,2-Dibromoethane

Concen: 5.293 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

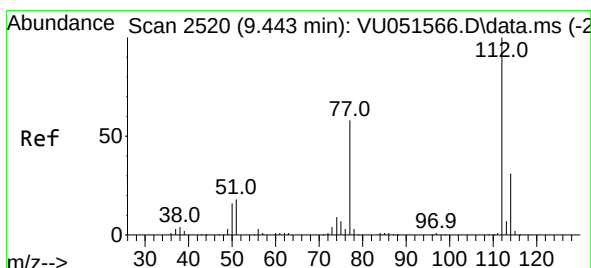
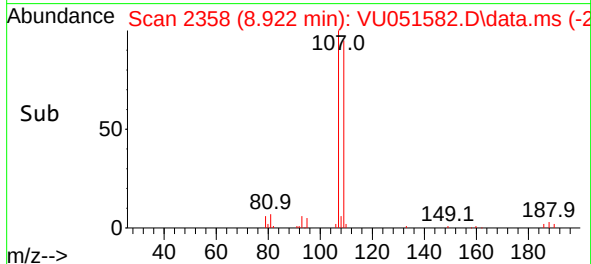
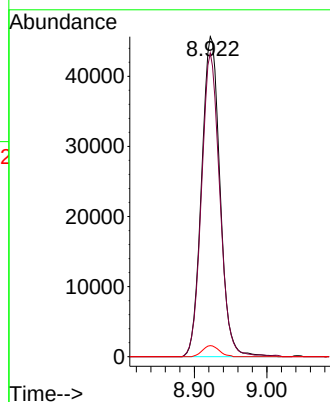
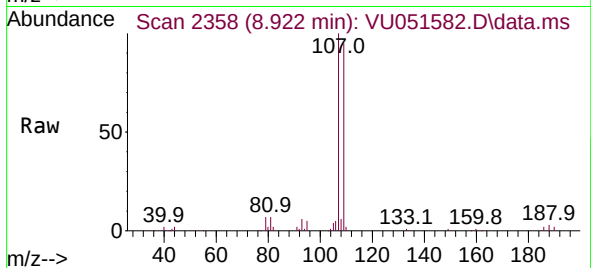
Tgt Ion:107 Resp: 80579

Ion Ratio Lower Upper

107 100

109 94.8 63.0 117.0

188 3.5 3.0 4.4



#51

Chlorobenzene

Concen: 5.225 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

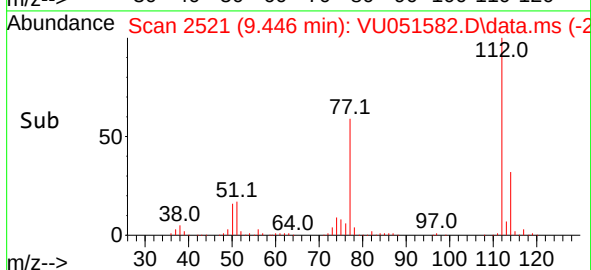
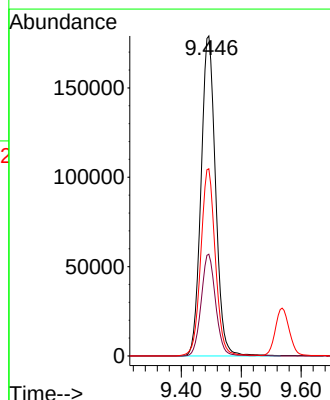
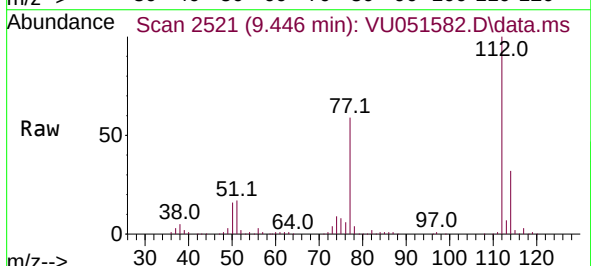
Tgt Ion:112 Resp: 302366

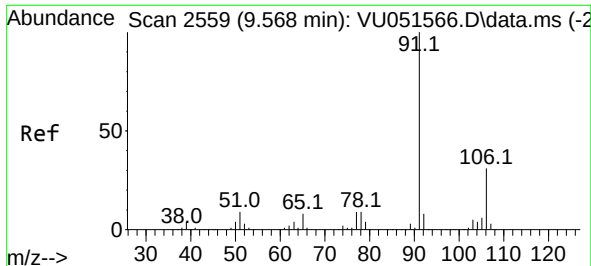
Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 58.5 46.7 70.1

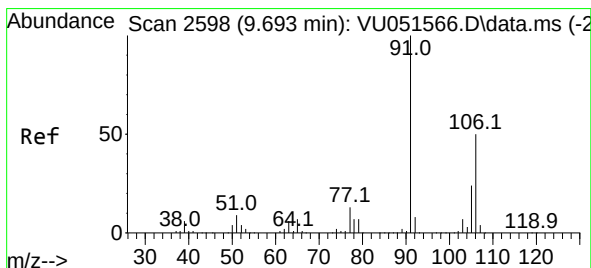
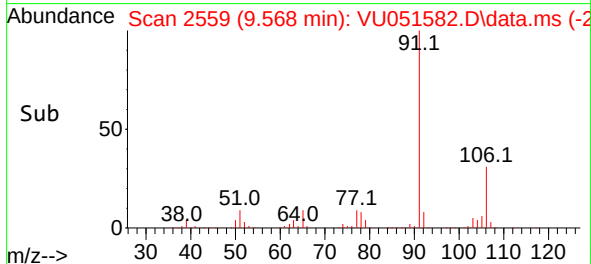
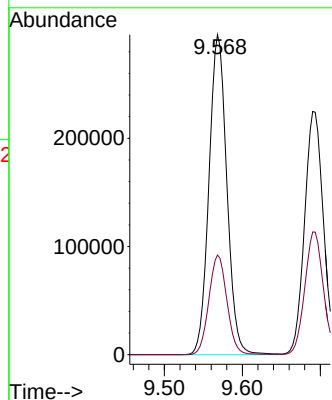
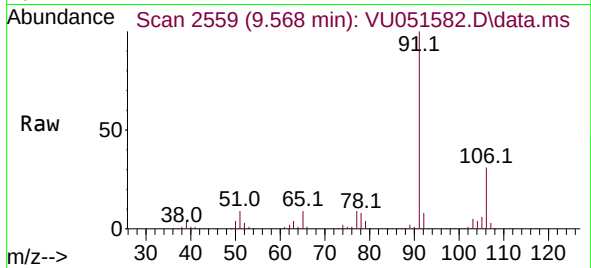




#52
Ethylbenzene
Concen: 5.310 ug/L
RT: 9.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

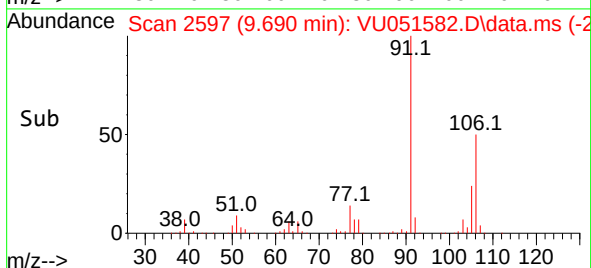
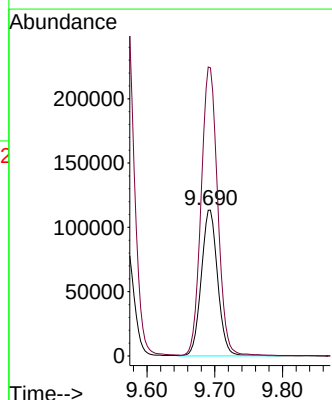
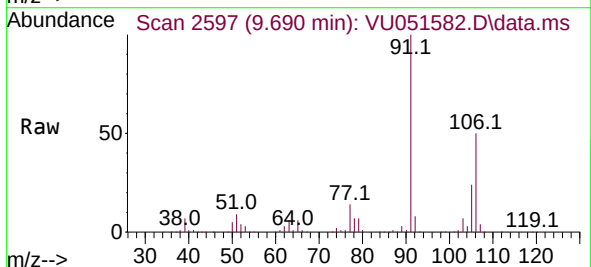
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

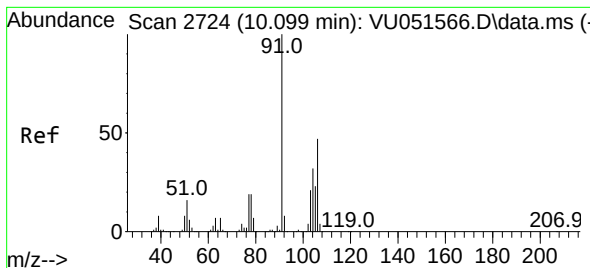
Tgt Ion: 91 Resp: 471062
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 5.496 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 106 Resp: 189379
Ion Ratio Lower Upper
106 100
91 198.2 139.4 259.0





#54

o-Xylene

Concen: 5.449 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

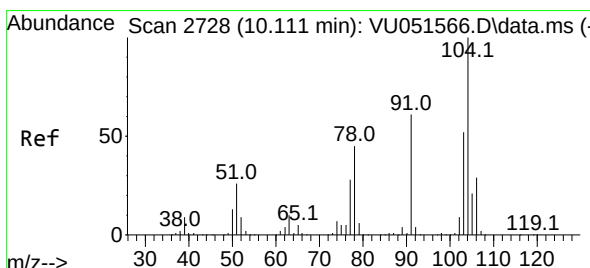
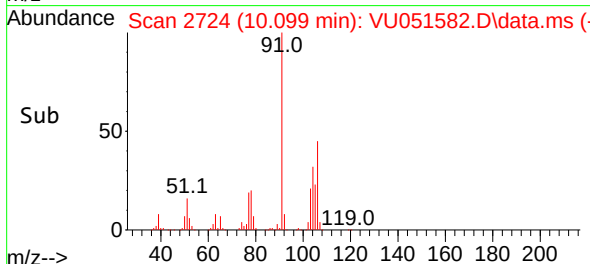
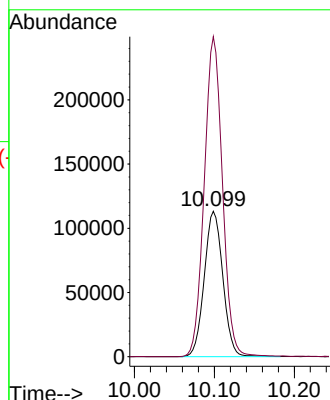
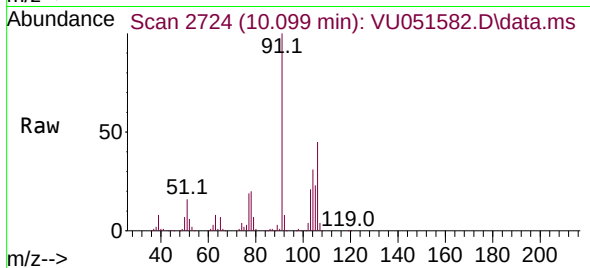
VSTD005187

Tgt Ion:106 Resp: 183494

Ion Ratio Lower Upper

106 100

91 220.0 149.2 277.2



#55

Styrene

Concen: 5.605 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU051582.D

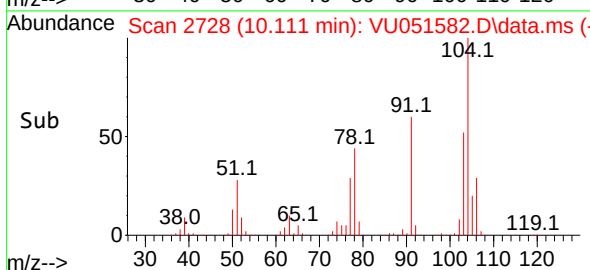
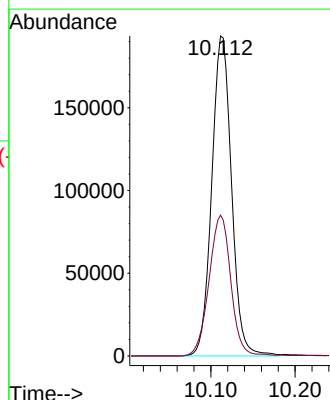
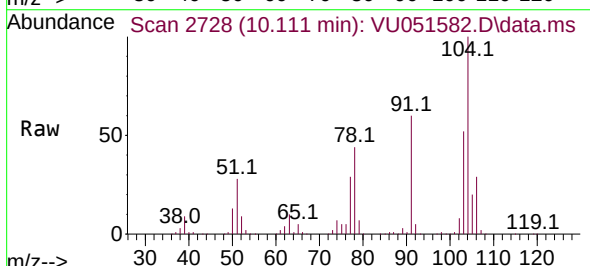
Acq: 28 Oct 2022 21:17

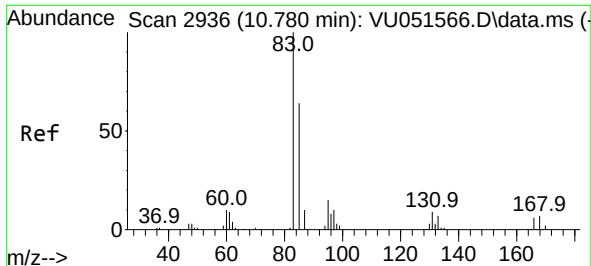
Tgt Ion:104 Resp: 315592

Ion Ratio Lower Upper

104 100

78 44.0 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.325 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

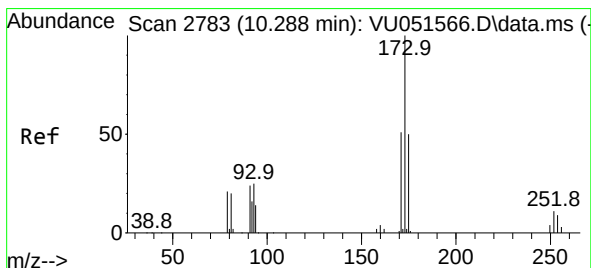
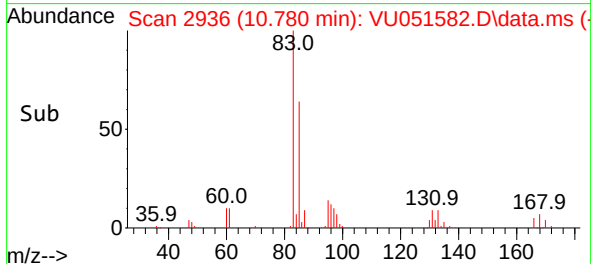
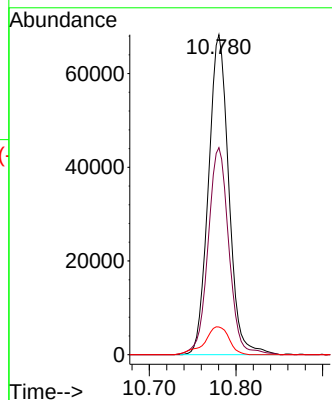
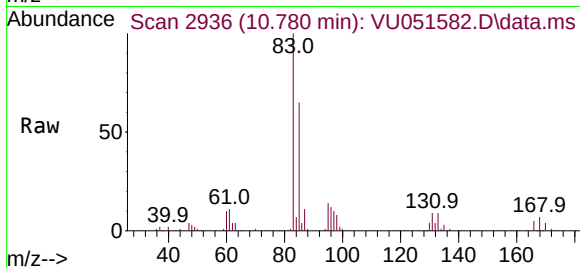
Tgt Ion: 83 Resp: 111413

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.5

131 8.7 7.8 11.8



#59

Bromoform

Concen: 4.948 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

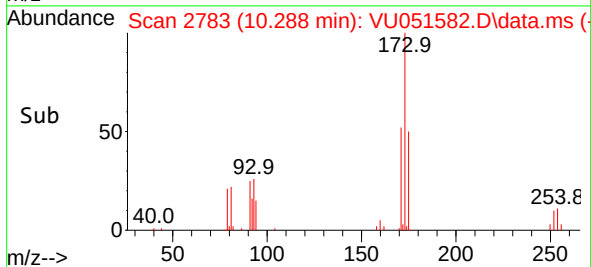
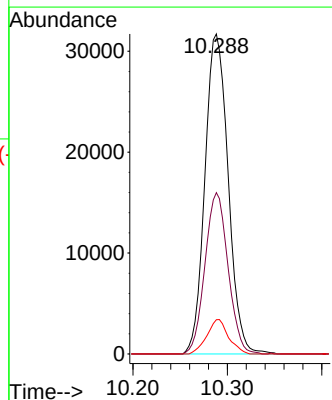
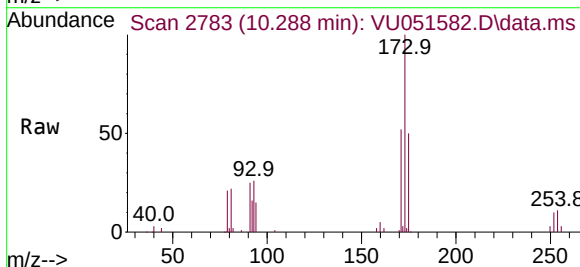
Tgt Ion: 173 Resp: 54175

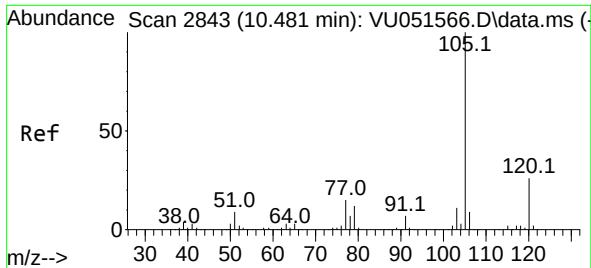
Ion Ratio Lower Upper

173 100

175 50.0 38.7 58.1

254 10.0 7.3 10.9

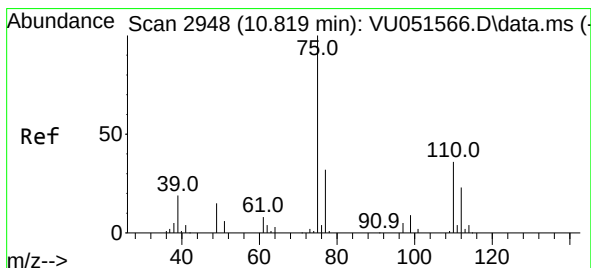
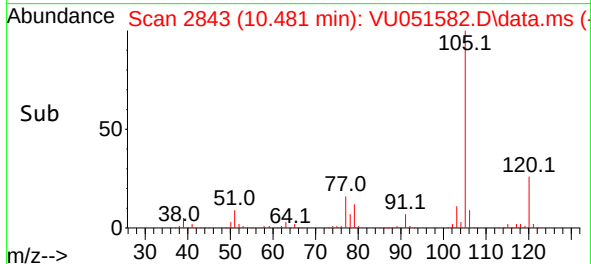
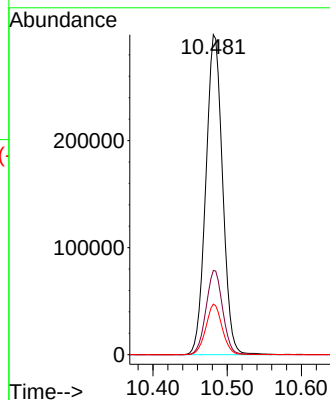
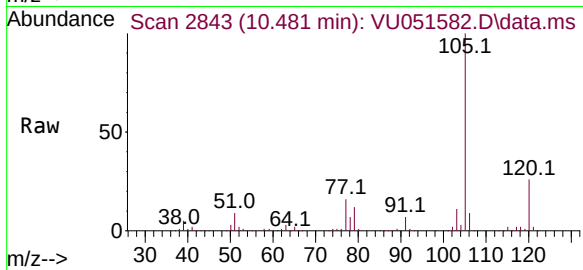




#60
Isopropylbenzene
Concen: 5.394 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

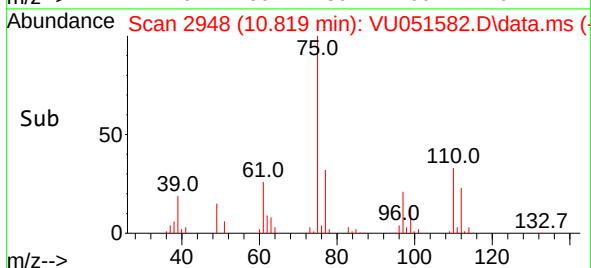
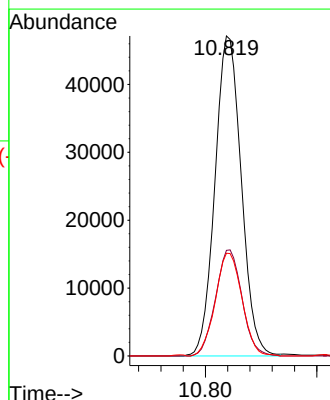
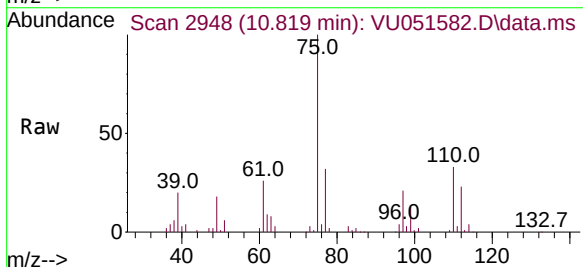
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

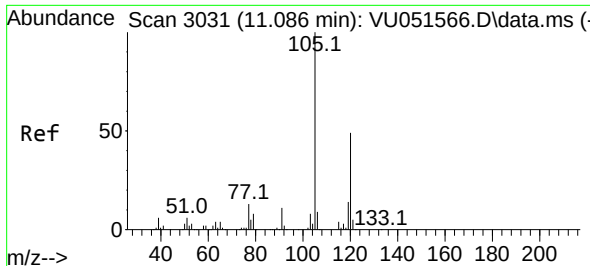
Tgt Ion:105 Resp: 466625
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 15.5 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 5.041 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 75 Resp: 77248
Ion Ratio Lower Upper
75 100
110 33.2 28.7 43.1
77 32.5 26.1 39.1

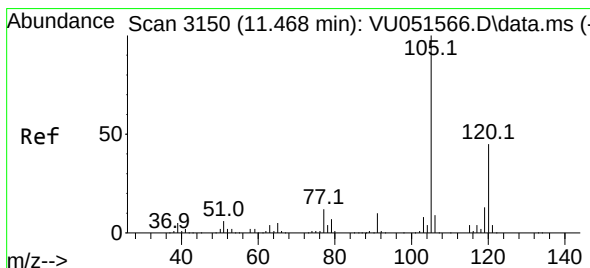
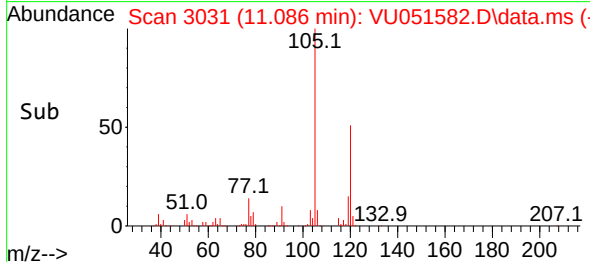
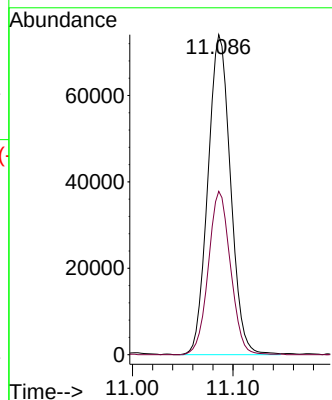
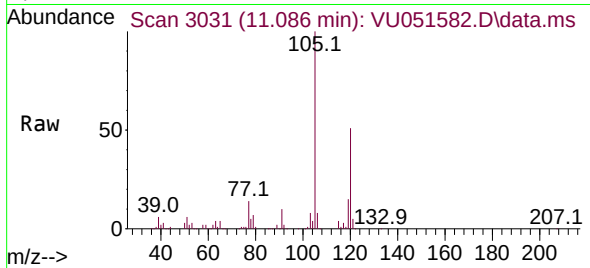




#62
 1,3,5-Trimethylbenzene
 Concen: 4.974 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

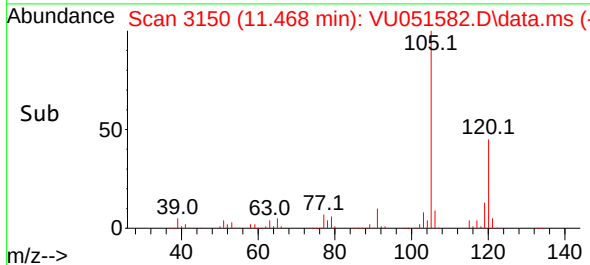
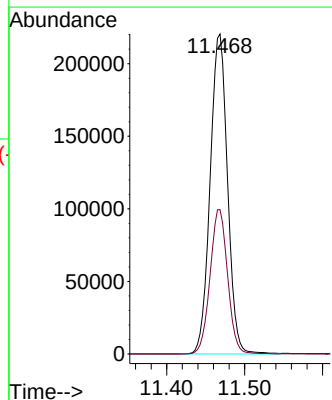
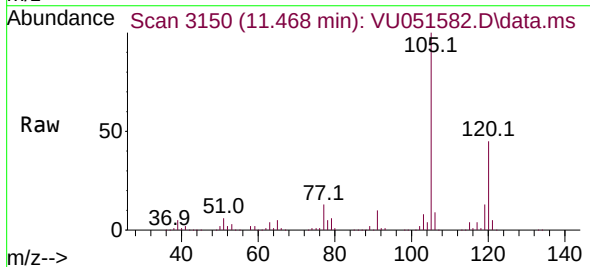
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005187

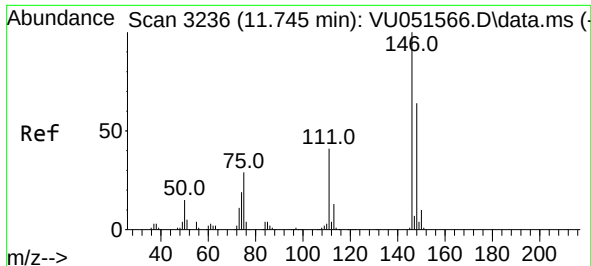
Tgt Ion:105 Resp: 115850
 Ion Ratio Lower Upper
 105 100
 120 49.9 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.085 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

Tgt Ion:105 Resp: 341470
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.8 53.6

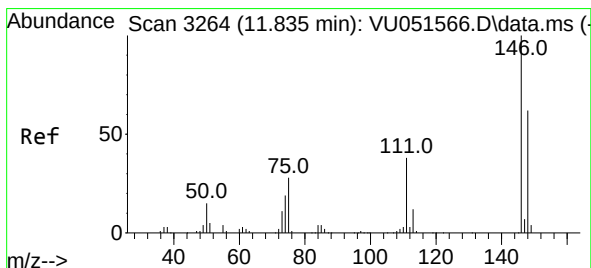
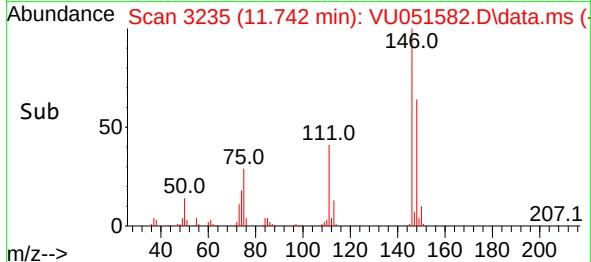
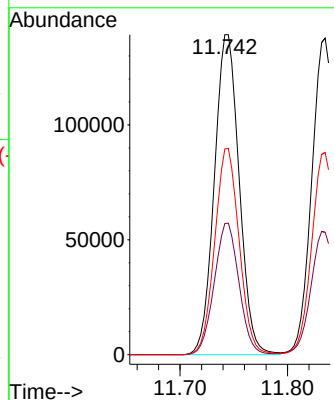
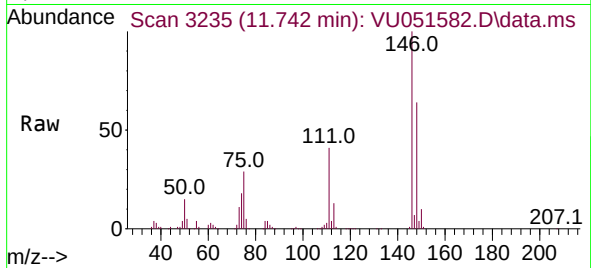




#64
1,3-Dichlorobenzene
Concen: 5.191 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

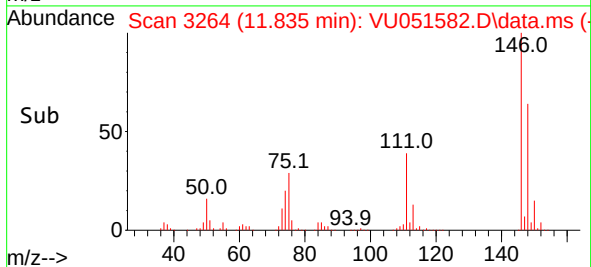
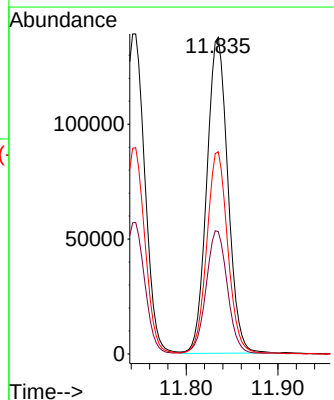
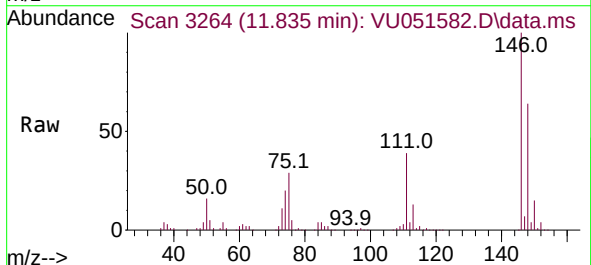
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

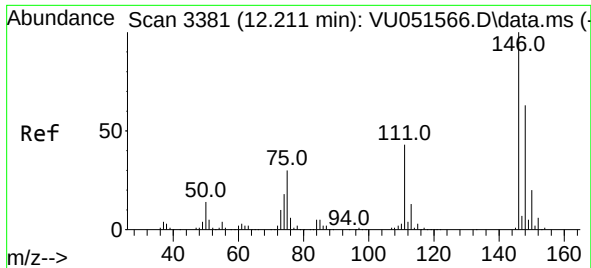
Tgt Ion:146 Resp: 223595
Ion Ratio Lower Upper
146 100
111 41.0 28.6 53.2
148 64.3 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 5.088 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion:146 Resp: 219717
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.5
148 63.9 43.5 80.9

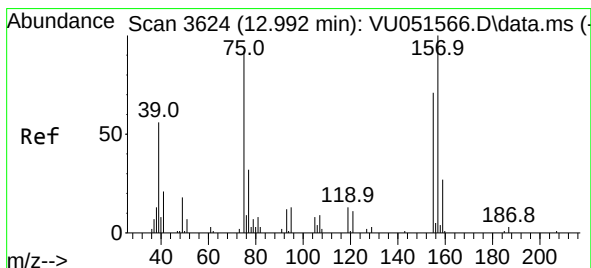
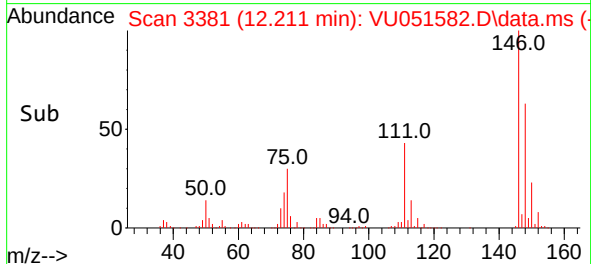
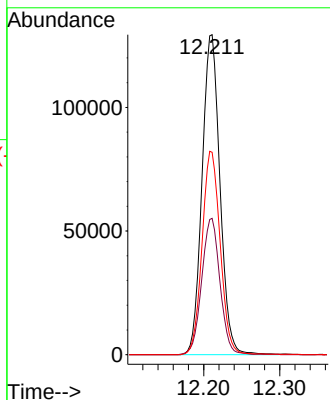
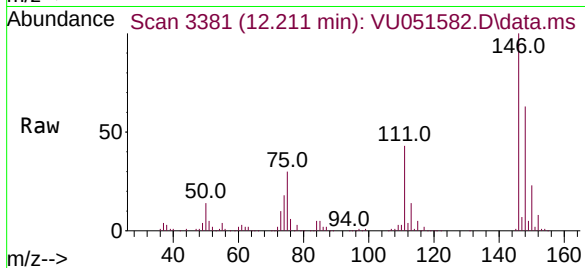




#67
1,2-Dichlorobenzene
Concen: 5.056 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

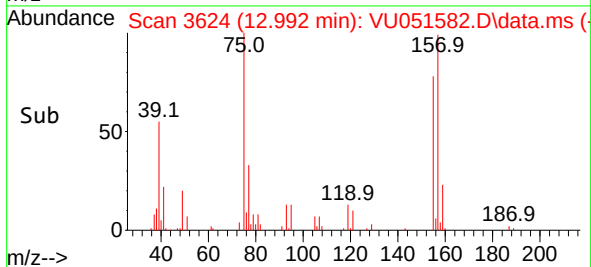
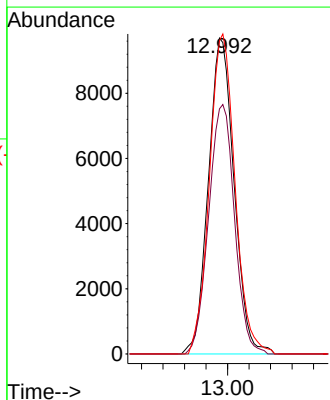
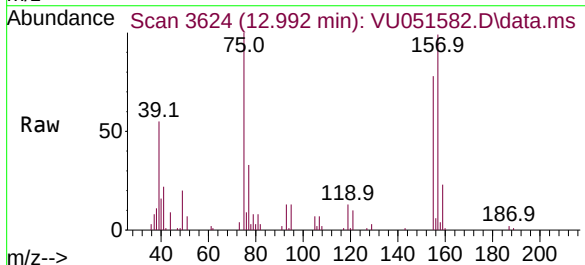
Instrument :
MSVOA_U
ClientSampleId :
VSTD005187

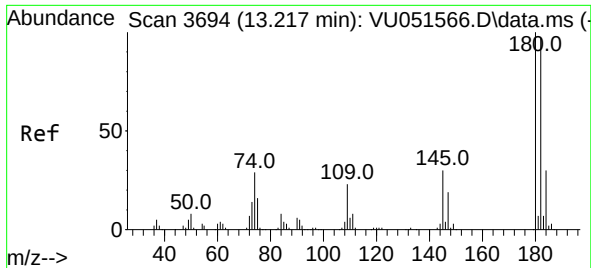
Tgt Ion:146 Resp: 212127
Ion Ratio Lower Upper
146 100
111 42.6 34.2 51.2
148 63.3 50.1 75.1



#68
1,2-Dibromo-3-chloropropane
Concen: 5.096 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU051582.D
Acq: 28 Oct 2022 21:17

Tgt Ion: 75 Resp: 16081
Ion Ratio Lower Upper
75 100
155 77.6 61.4 92.2
157 99.2 86.7 130.1



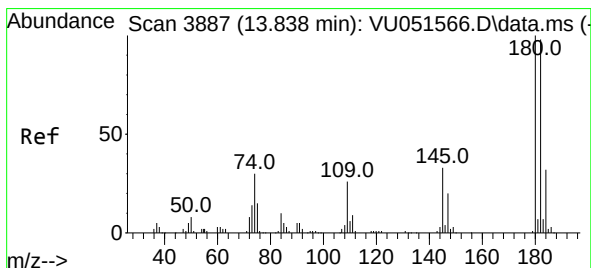
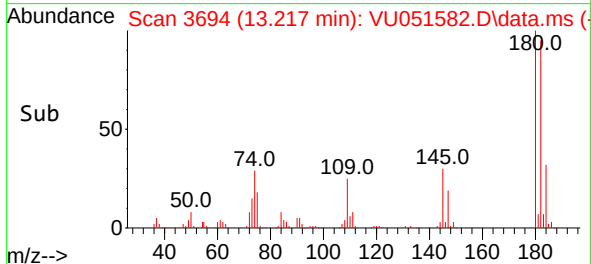
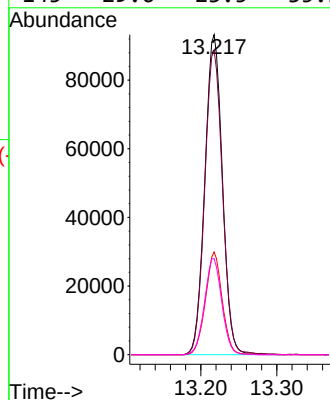
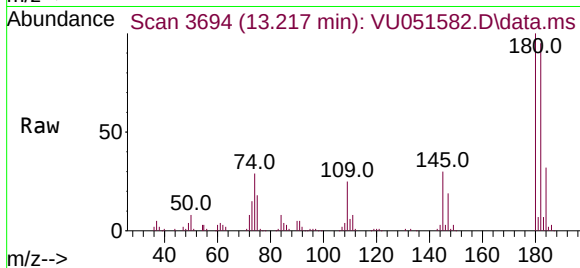


#69
 1,3,5-Trichlorobenzene
 Concen: 4.869 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005187

Tgt Ion:180 Resp: 149467

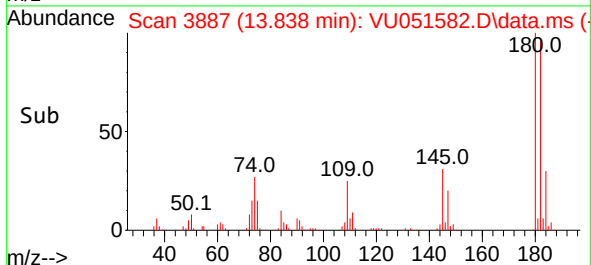
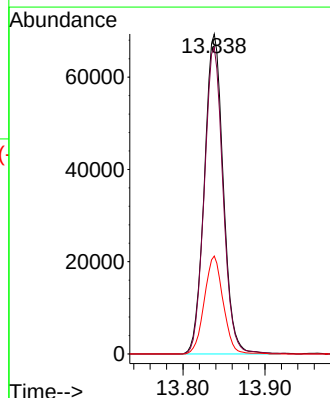
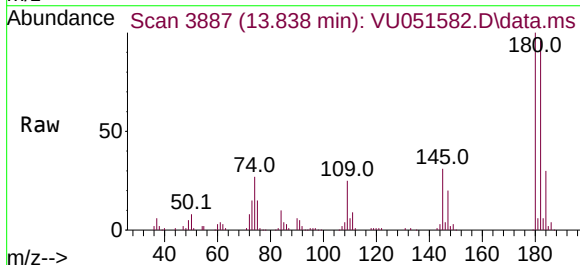
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.6
184	30.6	23.7	35.5
145	29.6	23.5	35.3

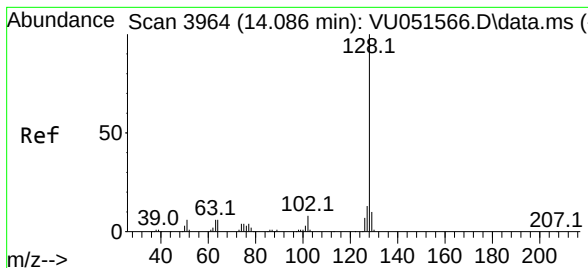


#70
 1,2,4-trichlorobenzene
 Concen: 4.719 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051582.D
 Acq: 28 Oct 2022 21:17

Tgt Ion:180 Resp: 111216

Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.8	116.6
145	30.4	25.0	37.6





#71

Naphthalene

Concen: 4.304 ug/L

RT: 14.082 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD005187

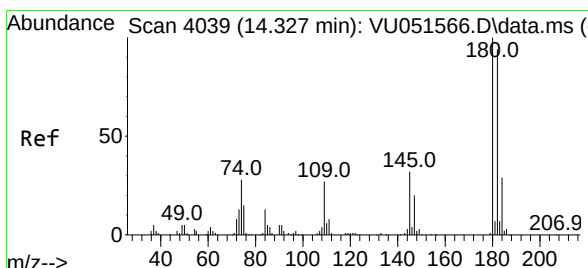
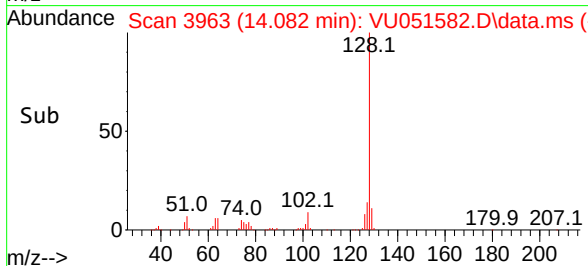
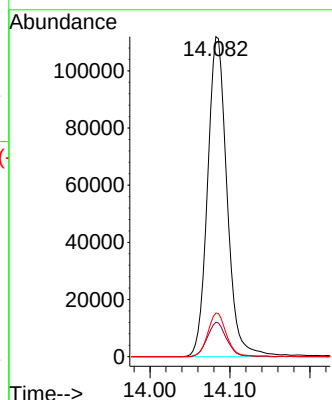
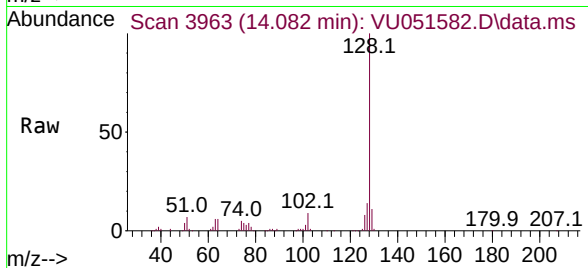
Tgt Ion:128 Resp: 189373

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 13.1 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.768 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051582.D

Acq: 28 Oct 2022 21:17

Tgt Ion:180 Resp: 113477

Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 31.7 25.6 38.4

