

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101122\
 Data File : VU051367.D
 Acq On : 11 Oct 2022 10:05
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005174

Quant Time: Oct 11 23:33:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 11 02:38:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	228661	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	244085	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	124757	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71847	3.895	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.909	69	67078	4.233	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.600%
11) 1,1-Dichloroethene-d2	2.565	65	28792	3.949	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	4.626	46	201776	49.687	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.380%
24) Chloroform-d	5.063	84	159923	4.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.703	65	80131	4.518	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.726	84	286292	4.264	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.690	67	101161	4.436	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.899	98	255469	4.253	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.179	79	33438	4.463	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.632	63	123403	48.871	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.740%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	87061	4.779	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	90103	4.155	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	88839	4.763	ug/L	99
3) Chloromethane	1.520	50	116051	4.431	ug/L	97
5) Vinyl chloride	1.604	62	118318	4.606	ug/L	97
6) Bromomethane	1.854	94	69295	4.953	ug/L	99
8) Chloroethane	1.932	64	75888	4.632	ug/L	100
9) Trichlorofluoromethane	2.137	101	141395	4.775	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	84127	4.734	ug/L	100
12) 1,1-Dichloroethene	2.578	96	72450	4.345	ug/L	94
13) Acetone	2.632	43	140132	46.008	ug/L	97
14) Carbon disulfide	2.790	76	222566	4.358	ug/L	99
15) Methyl Acetate	2.954	43	33772	4.561	ug/L	97
16) Methylene chloride	3.044	84	100690	4.089	ug/L	98
17) Methyl tert-butyl Ether	3.362	73	169621	4.441	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	78050	4.449	ug/L	99
19) 1,1-Dichloroethane	3.870	63	171552	4.739	ug/L	99
21) 2-Butanone	4.706	43	218225	45.462	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	89877	4.625	ug/L	96
23) Bromochloromethane	4.973	128	43524	4.694	ug/L	98
25) Chloroform	5.086	83	175215	4.634	ug/L	99

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Instrument :
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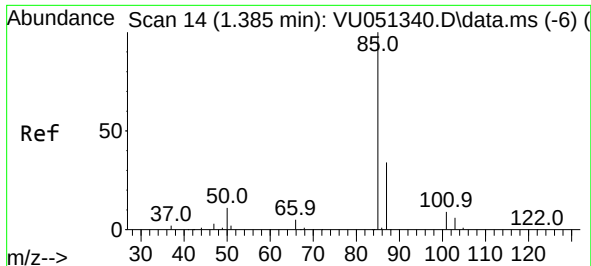
Quant Time: Oct 11 23:33:31 2022
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	107405	4.742	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	134801	4.609	ug/L	97
30) Cyclohexane	5.388	56	102754	4.142	ug/L	99
31) Carbon tetrachloride	5.523	117	114015	4.607	ug/L	97
33) Benzene	5.774	78	372182	4.567	ug/L	100
34) Trichloroethene	6.542	95	88376	4.348	ug/L	96
35) Methylcyclohexane	6.764	83	110584	4.312	ug/L	98
37) 1,2-Dichloropropane	6.790	63	103468	4.633	ug/L	99
38) Bromodichloromethane	7.105	83	125415	4.707	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	117593	4.380	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	523901	44.710	ug/L	99
42) Toluene	7.970	91	394229	4.558	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	110589	4.764	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	72333	4.613	ug/L	98
47) Tetrachloroethene	8.552	164	65998	4.416	ug/L	98
48) 2-Hexanone	8.684	43	414806	47.544	ug/L	100
49) Dibromochloromethane	8.809	129	80303	4.561	ug/L	100
50) 1,2-Dibromoethane	8.925	107	65801	4.714	ug/L	96
51) Chlorobenzene	9.446	112	241100	4.665	ug/L	99
52) Ethylbenzene	9.571	91	358544	4.613	ug/L	98
53) m,p-Xylene	9.693	106	139141	4.616	ug/L	98
54) o-Xylene	10.098	106	132718	4.653	ug/L	95
55) Styrene	10.115	104	239448	4.877	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	90055	4.639	ug/L	100
59) Bromoform	10.291	173	43777	4.218	ug/L	99
60) Isopropylbenzene	10.484	105	339807	4.300	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	65929	4.185	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	84609	4.036	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	237950	4.014	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	180720	4.624	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	178899	4.644	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	169777	4.468	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	13449	4.463	ug/L	88
69) 1,3,5-Trichlorobenzene	13.217	180	124593	4.624	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	92338	4.822	ug/L	95
71) Naphthalene	14.085	128	135670	3.812	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	86520	4.368	ug/L	98

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

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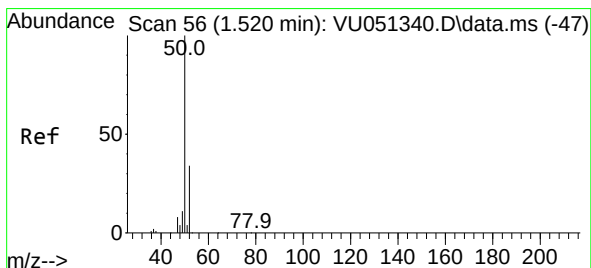
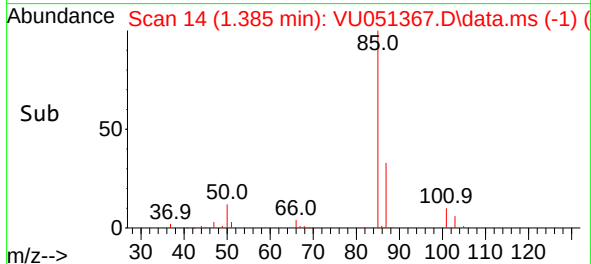
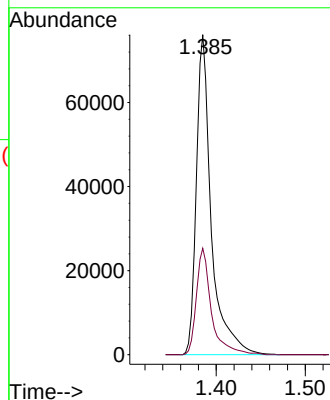
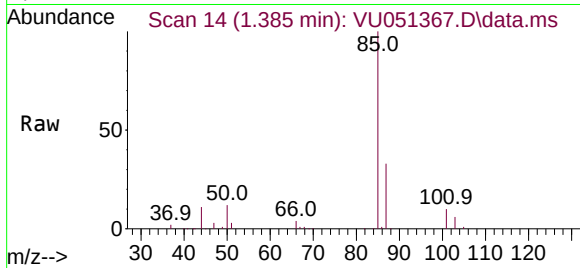




#2
Dichlorodifluoromethane
Concen: 4.763 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

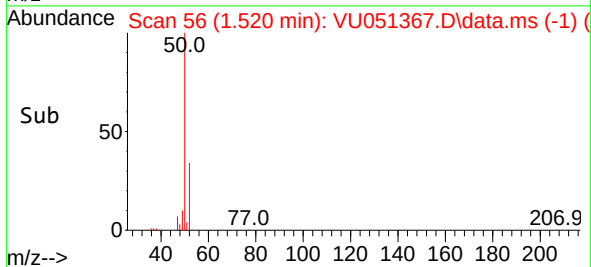
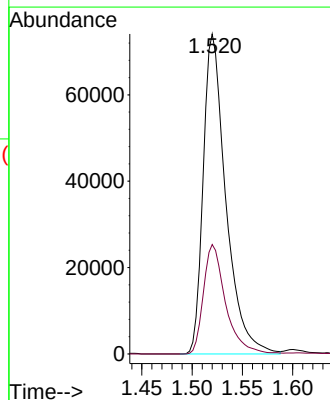
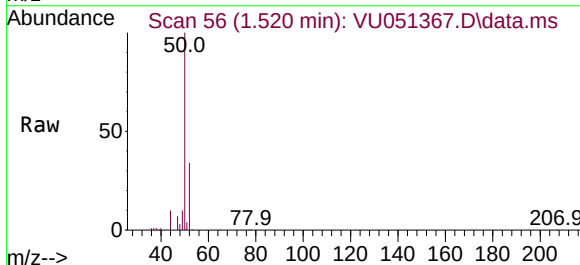
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

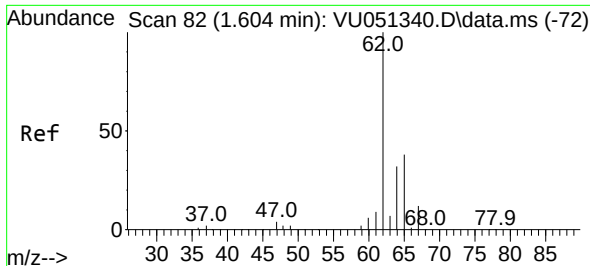
Tgt Ion: 85 Resp: 88839
Ion Ratio Lower Upper
85 100
87 33.6 26.2 39.4



#3
Chloromethane
Concen: 4.431 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 50 Resp: 116051
Ion Ratio Lower Upper
50 100
52 34.2 22.9 42.5

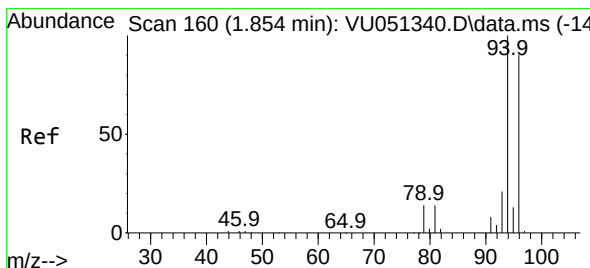
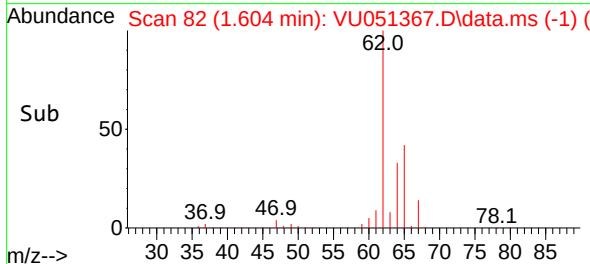
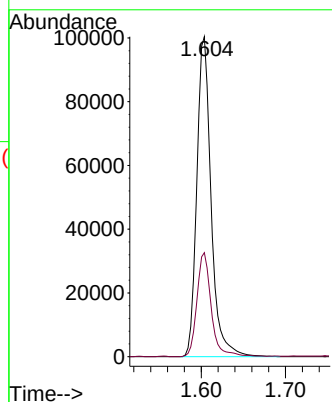
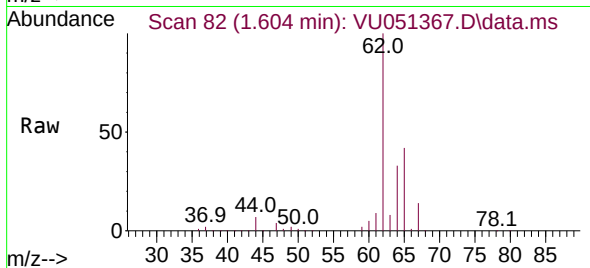




#5
 Vinyl chloride
 Concen: 4.606 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

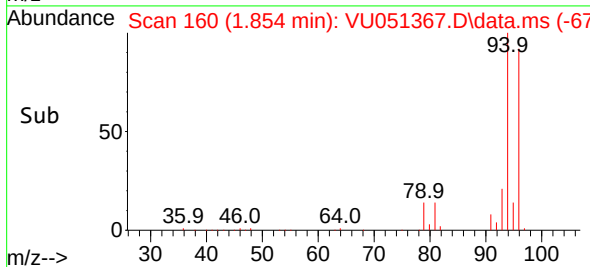
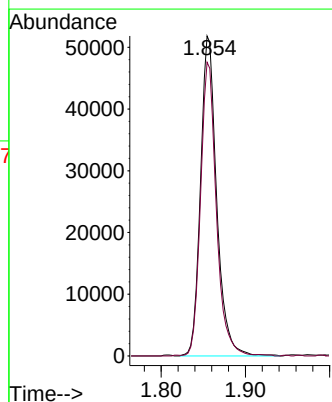
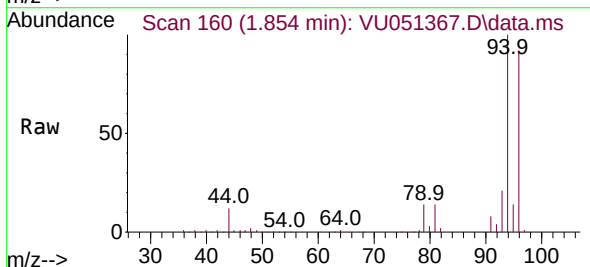
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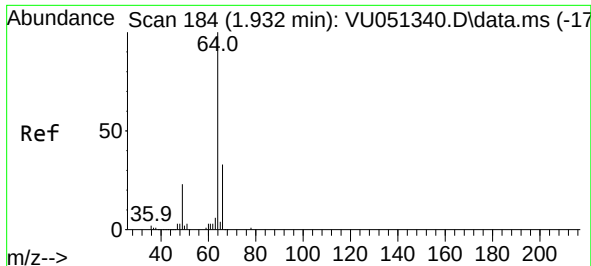
Tgt Ion: 62 Resp: 118318
 Ion Ratio Lower Upper
 62 100
 64 32.5 24.0 44.6



#6
 Bromomethane
 Concen: 4.953 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

Tgt Ion: 94 Resp: 69295
 Ion Ratio Lower Upper
 94 100
 96 91.8 64.9 120.5

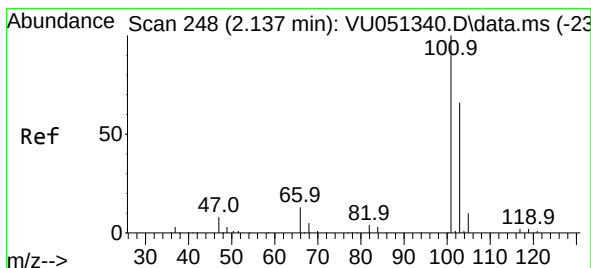
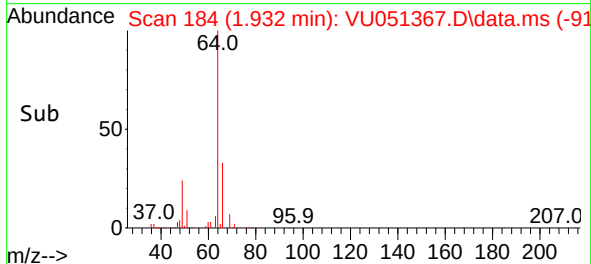
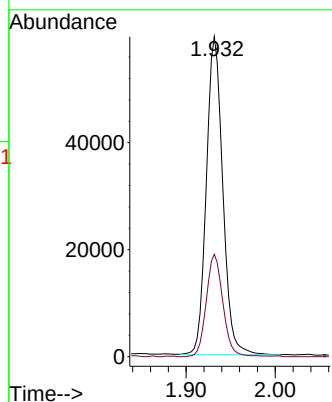
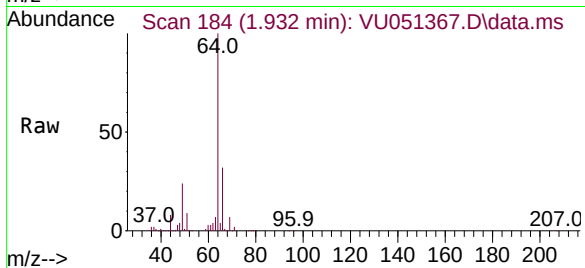




#8
Chloroethane
Concen: 4.632 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

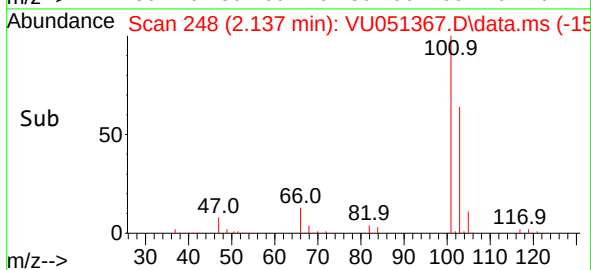
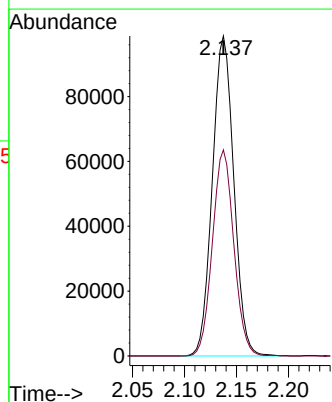
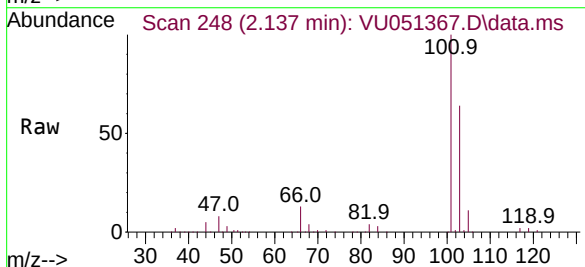
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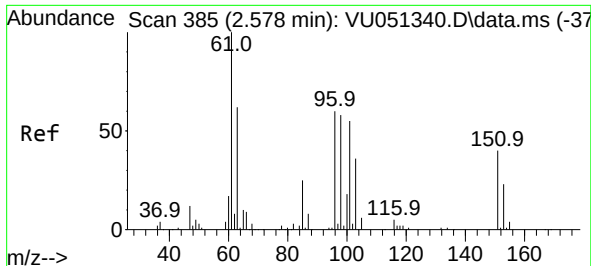
Tgt Ion: 64 Resp: 75888
Ion Ratio Lower Upper
64 100
66 32.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.775 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion:101 Resp: 141395
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.2

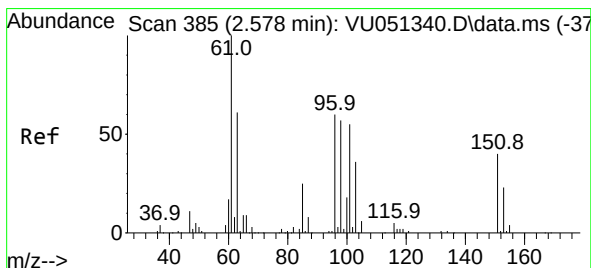
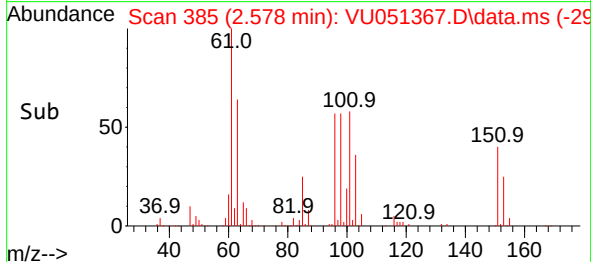
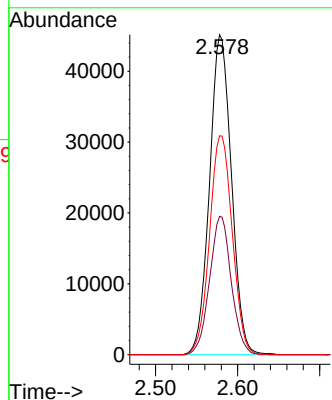
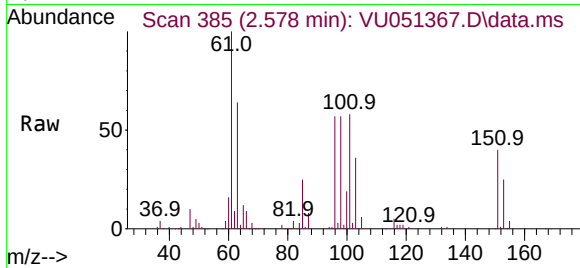




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.734 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

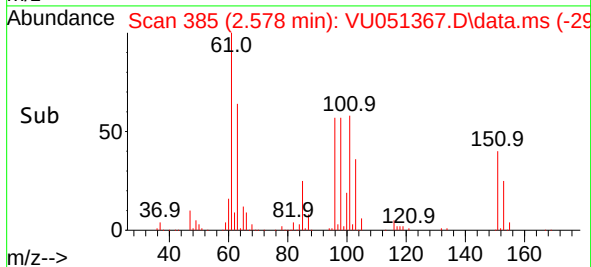
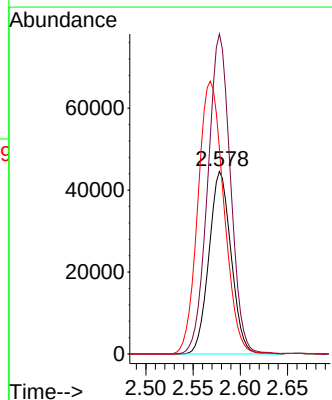
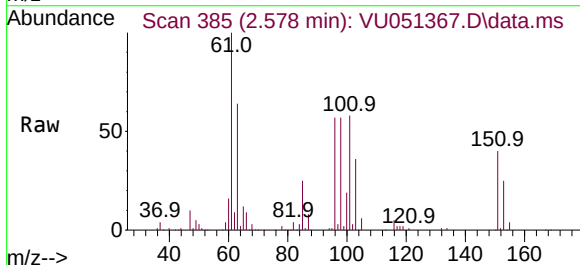
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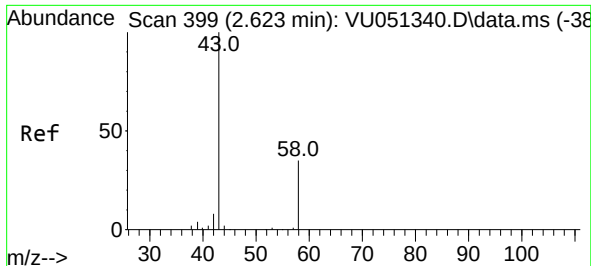
Tgt Ion:101 Resp: 84127
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.6 51.8
 151 70.8 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 4.345 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

Tgt Ion: 96 Resp: 72450
 Ion Ratio Lower Upper
 96 100
 61 175.3 117.6 218.4
 63 112.7 85.2 158.2





#13

Acetone

Concen: 46.008 ug/L

RT: 2.632 min Scan# 402

Delta R.T. 0.010 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

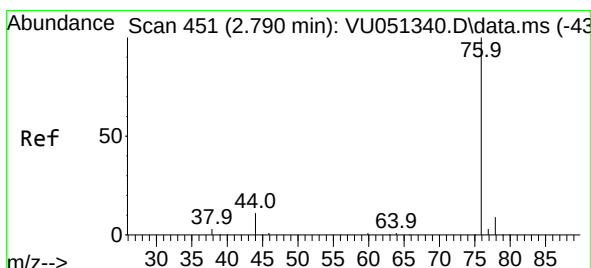
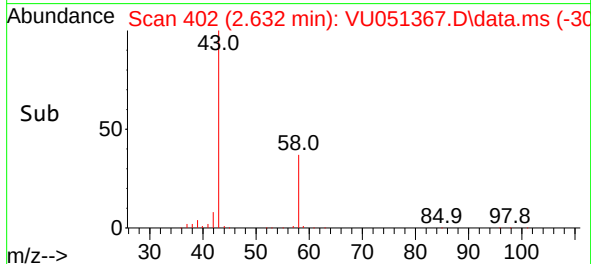
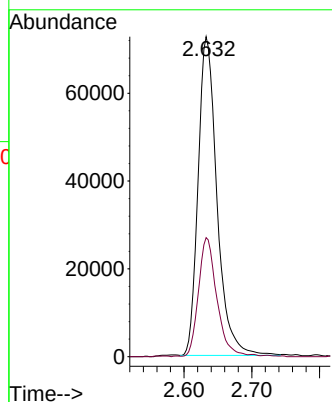
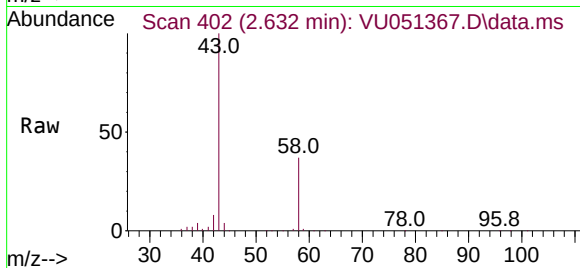
VSTD005174

Tgt Ion: 43 Resp: 140132

Ion Ratio Lower Upper

43 100

58 35.9 0.0 68.8



#14

Carbon disulfide

Concen: 4.358 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051367.D

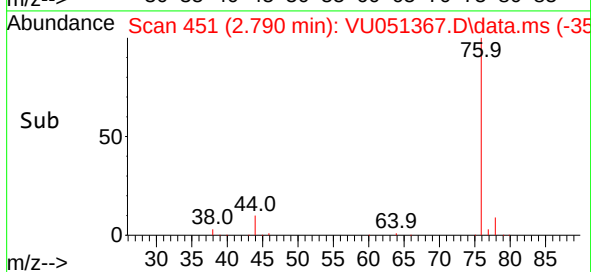
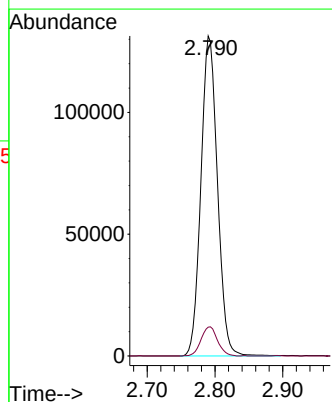
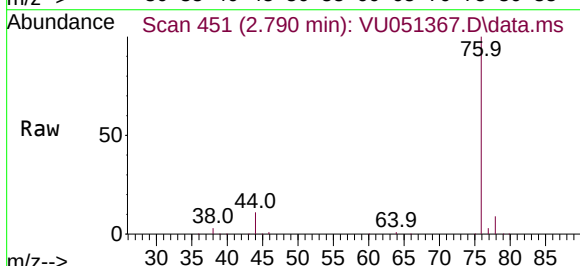
Acq: 11 Oct 2022 10:05

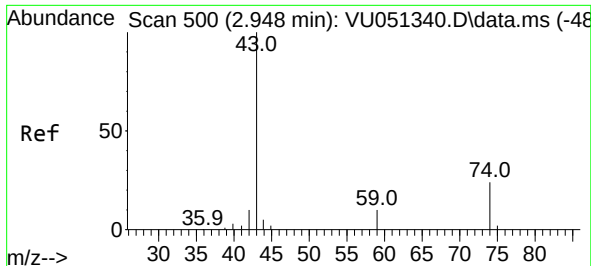
Tgt Ion: 76 Resp: 222566

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

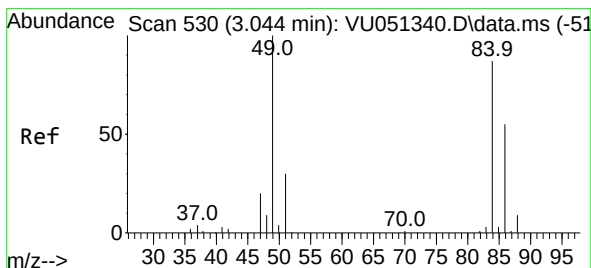
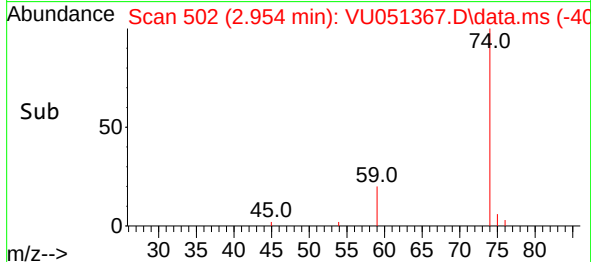
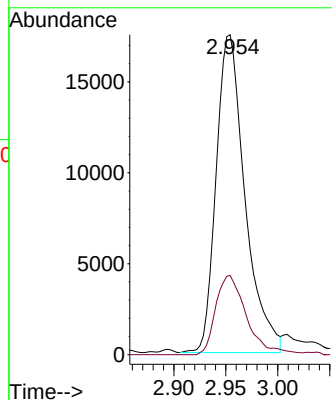
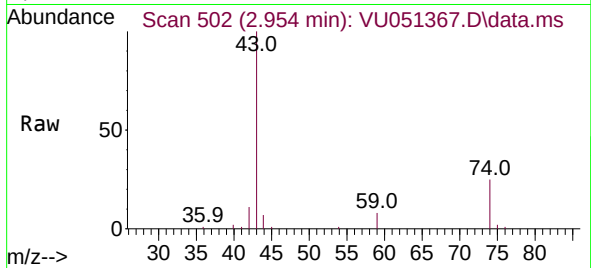




#15
Methyl Acetate
Concen: 4.561 ug/L
RT: 2.954 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

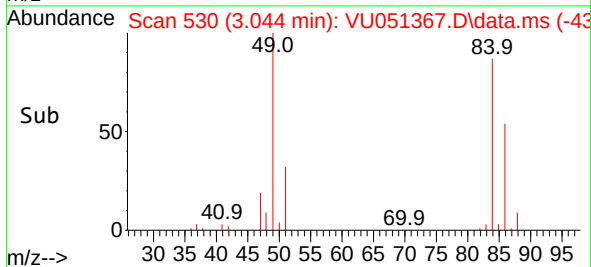
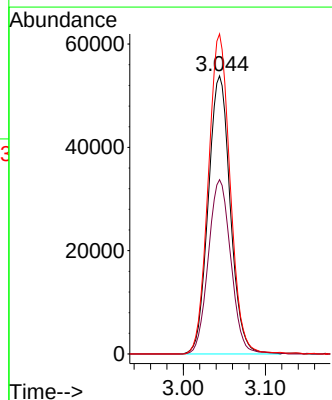
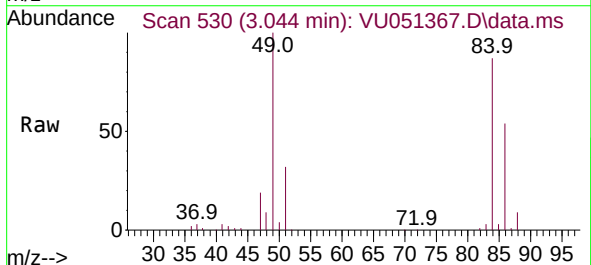
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

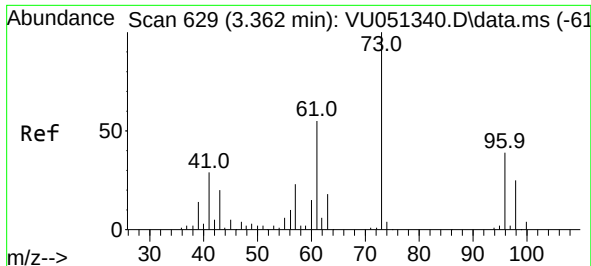
Tgt Ion: 43 Resp: 33772
Ion Ratio Lower Upper
43 100
74 26.6 20.0 30.0



#16
Methylene chloride
Concen: 4.089 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 84 Resp: 100690
Ion Ratio Lower Upper
84 100
86 62.7 46.5 86.3
49 115.1 81.3 151.1

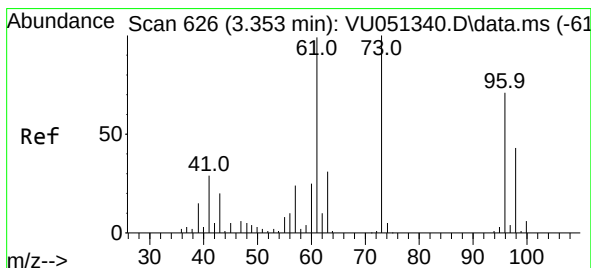
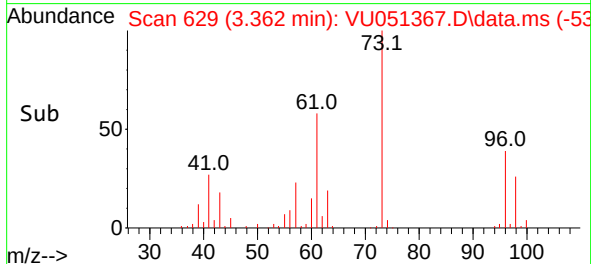
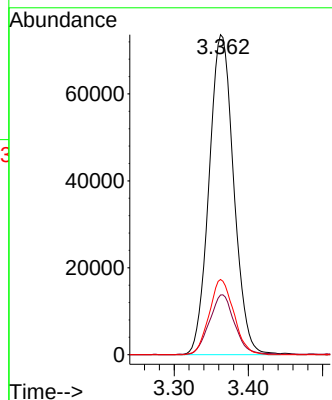
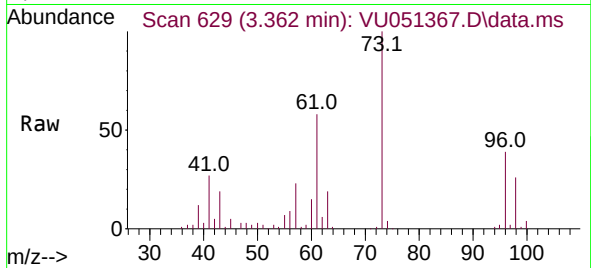




#17
Methyl tert-butyl Ether
Concen: 4.441 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

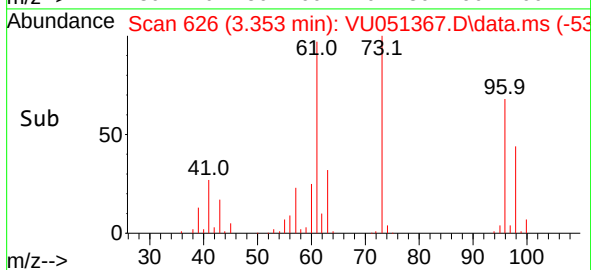
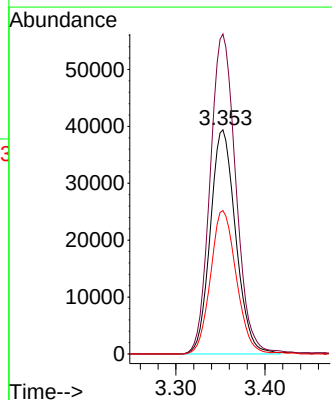
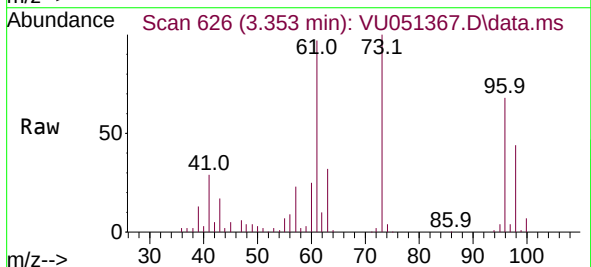
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

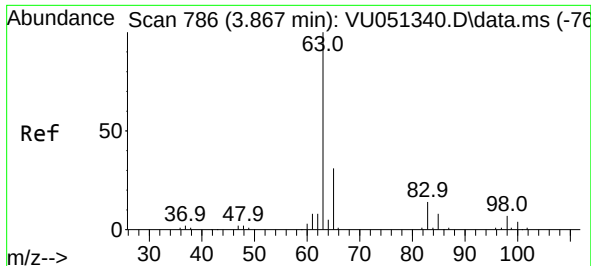
Tgt Ion: 73 Resp: 169621
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.0
57 23.4 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.449 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 96 Resp: 78050
Ion Ratio Lower Upper
96 100
61 142.8 101.4 188.2
98 64.0 44.9 83.5





#19

1,1-Dichloroethane

Concen: 4.739 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005174

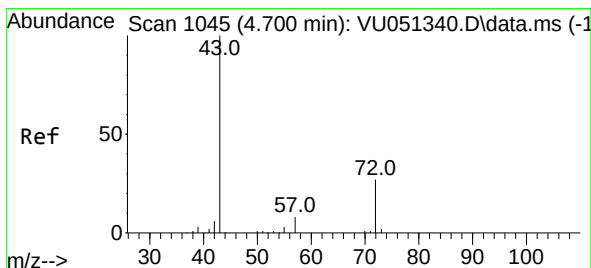
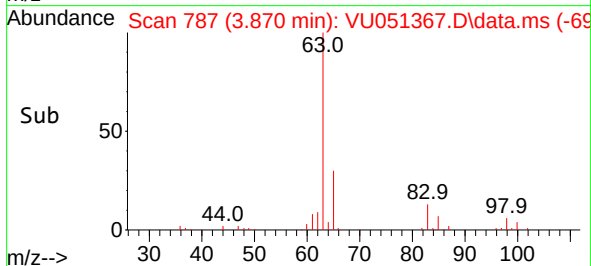
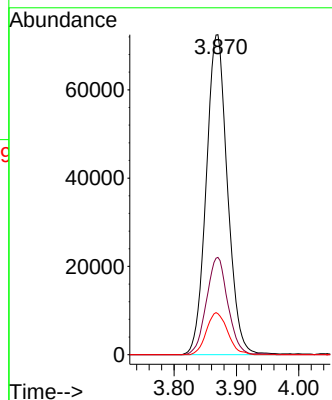
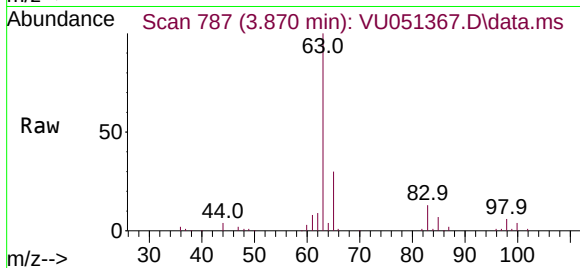
Tgt Ion: 63 Resp: 171552

Ion Ratio Lower Upper

63 100

65 30.4 22.0 41.0

83 12.8 9.0 16.6



#21

2-Butanone

Concen: 45.462 ug/L

RT: 4.706 min Scan# 1047

Delta R.T. 0.006 min

Lab File: VU051367.D

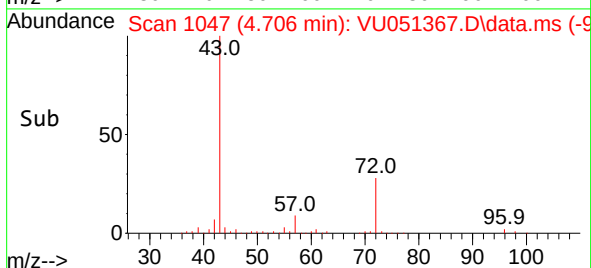
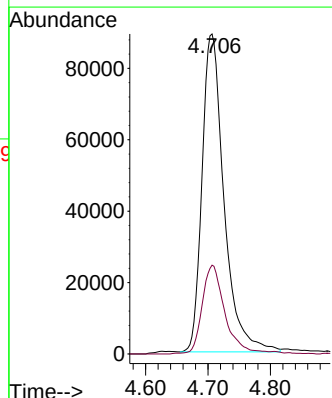
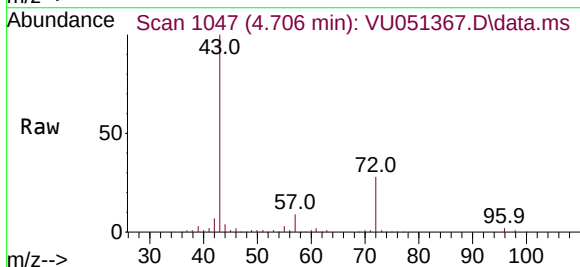
Acq: 11 Oct 2022 10:05

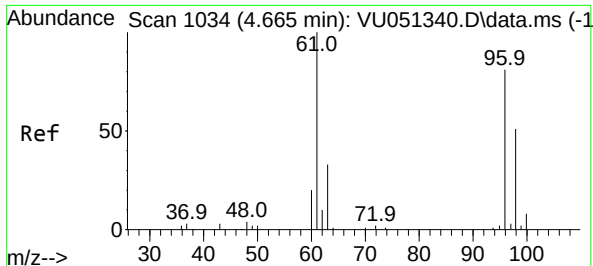
Tgt Ion: 43 Resp: 218225

Ion Ratio Lower Upper

43 100

72 28.9 13.8 41.4

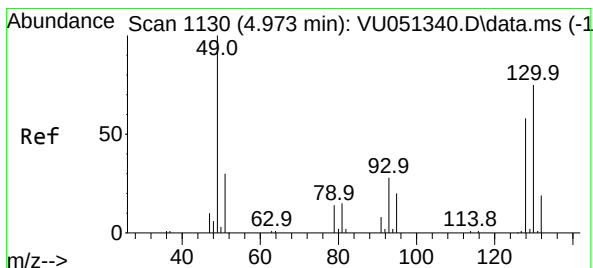
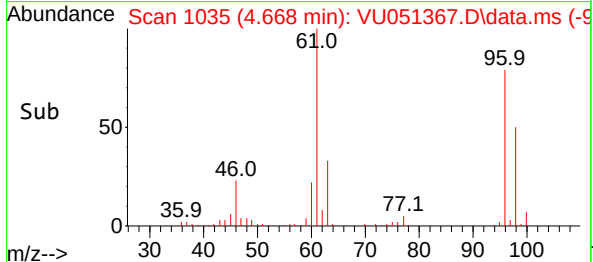
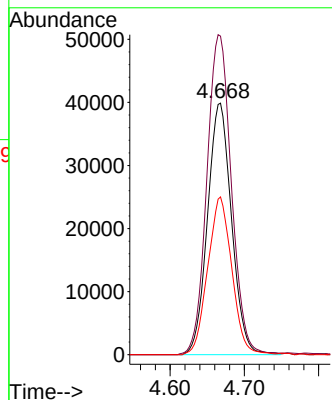
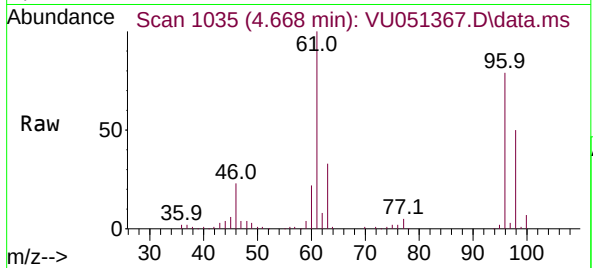




#22
 cis-1,2-Dichloroethene
 Concen: 4.625 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.003 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

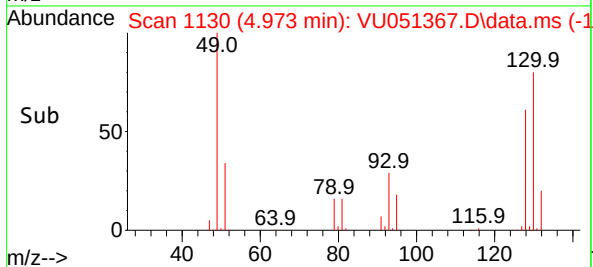
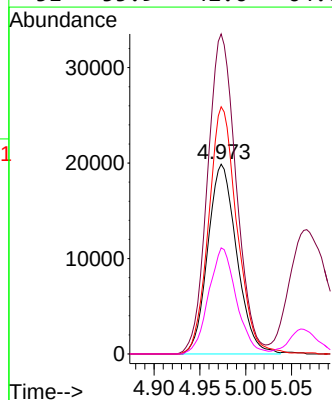
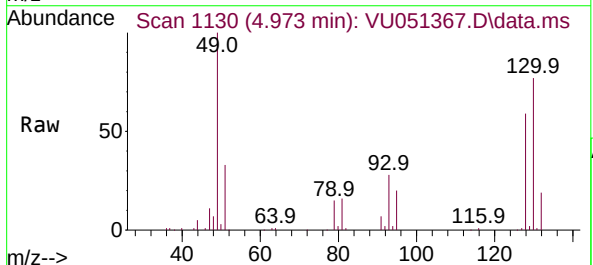
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005174

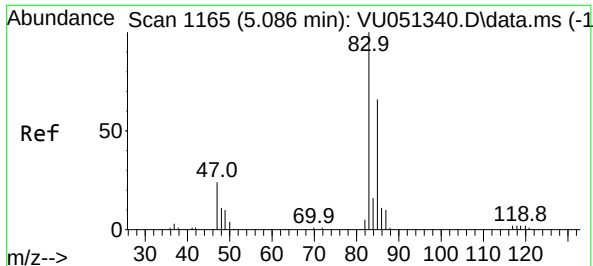
Tgt Ion: 96 Resp: 89877
 Ion Ratio Lower Upper
 96 100
 61 126.6 90.6 168.2
 98 62.7 47.5 88.3



#23
 Bromochloromethane
 Concen: 4.694 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

Tgt Ion: 128 Resp: 43524
 Ion Ratio Lower Upper
 128 100
 49 168.7 118.0 219.2
 130 130.3 88.8 164.8
 51 55.9 42.6 64.0





#25

Chloroform

Concen: 4.634 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

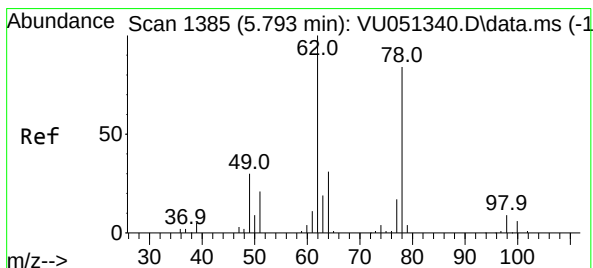
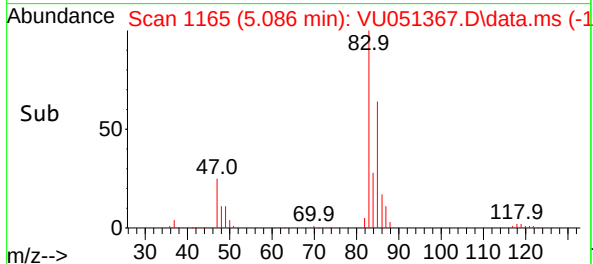
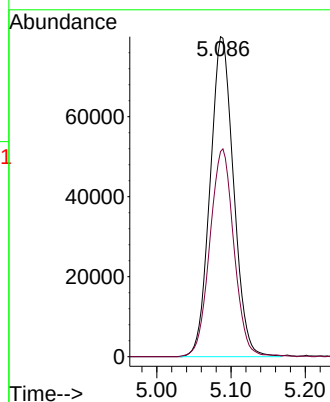
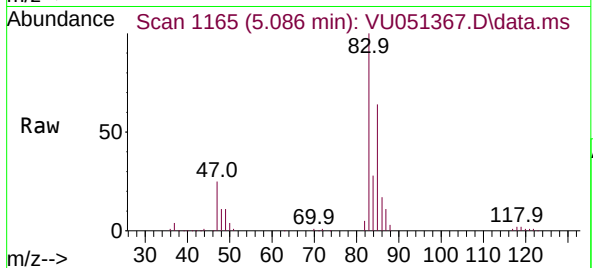
VSTD005174

Tgt Ion: 83 Resp: 175215

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.742 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU051367.D

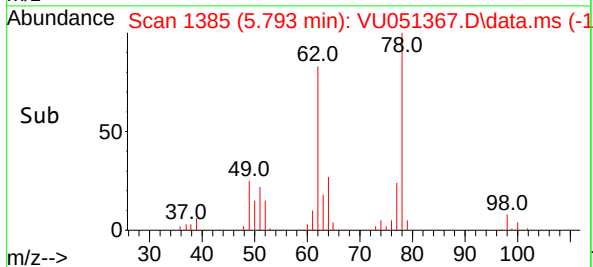
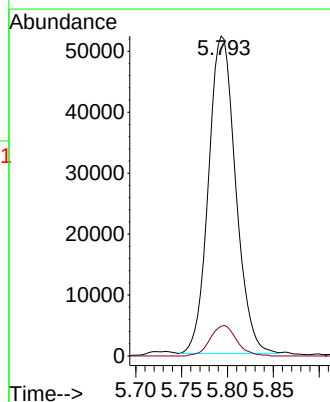
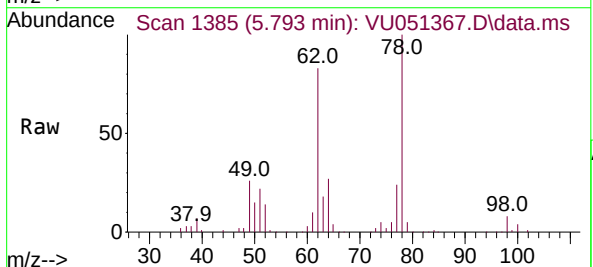
Acq: 11 Oct 2022 10:05

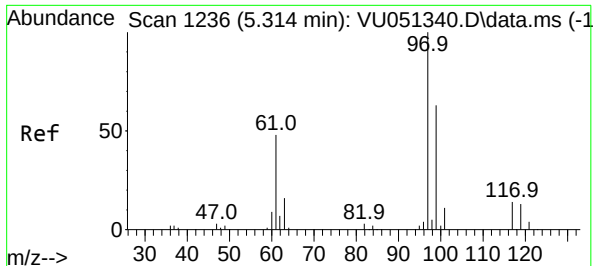
Tgt Ion: 62 Resp: 107405

Ion Ratio Lower Upper

62 100

98 9.2 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.609 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005174

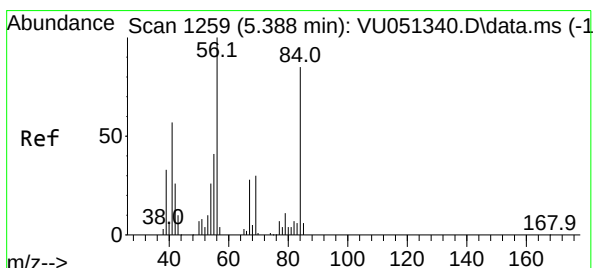
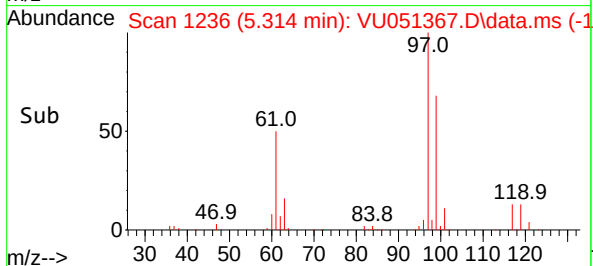
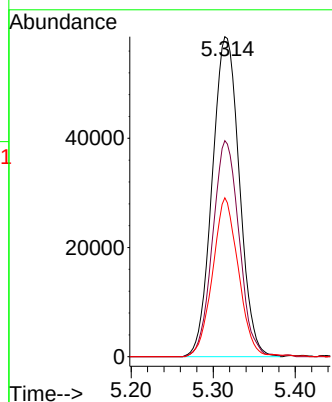
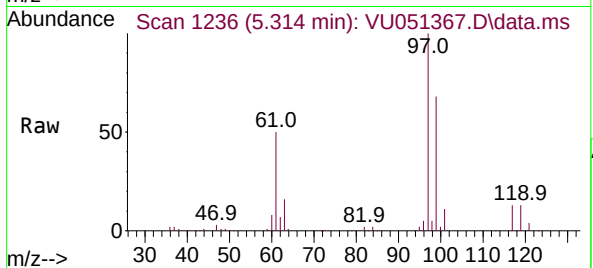
Tgt Ion: 97 Resp: 134801

Ion Ratio Lower Upper

97 100

99 65.8 50.2 75.4

61 47.4 38.7 58.1



#30

Cyclohexane

Concen: 4.142 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

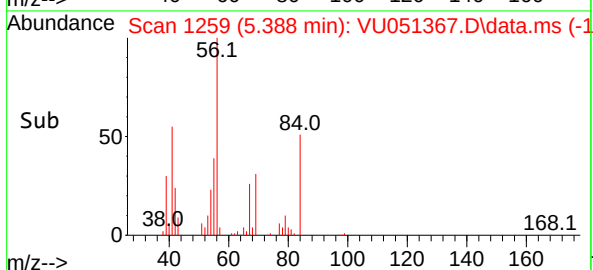
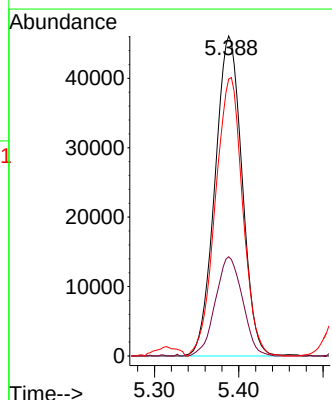
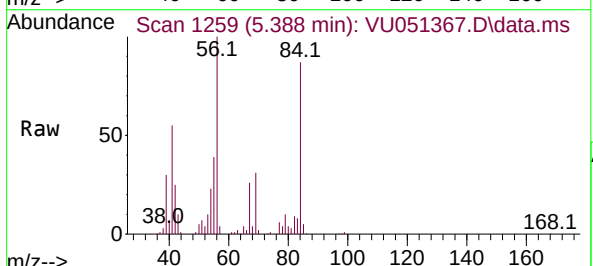
Tgt Ion: 56 Resp: 102754

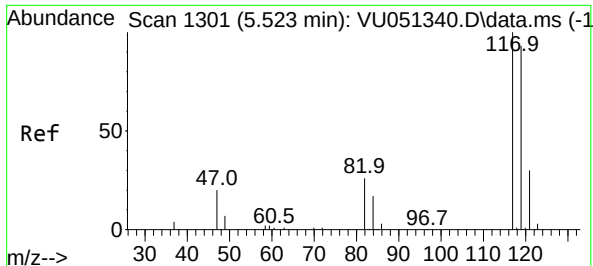
Ion Ratio Lower Upper

56 100

69 31.0 25.1 37.7

84 87.6 70.9 106.3

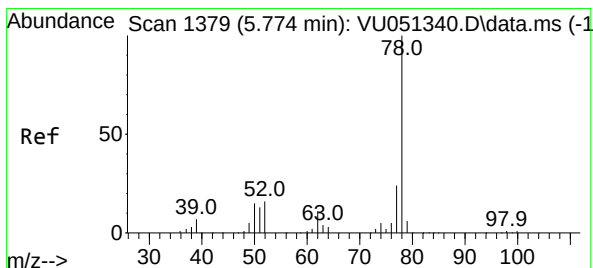
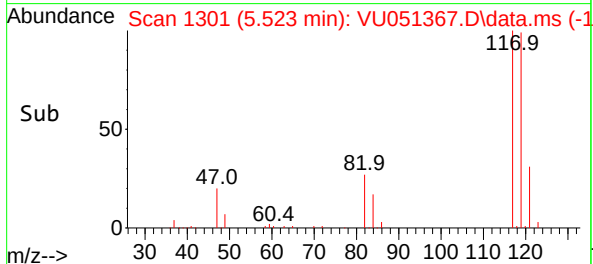
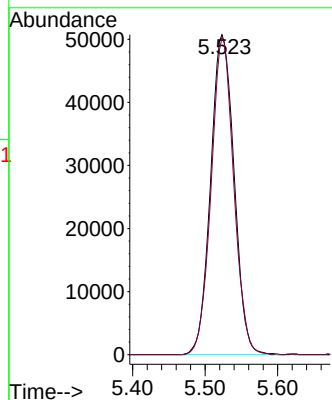
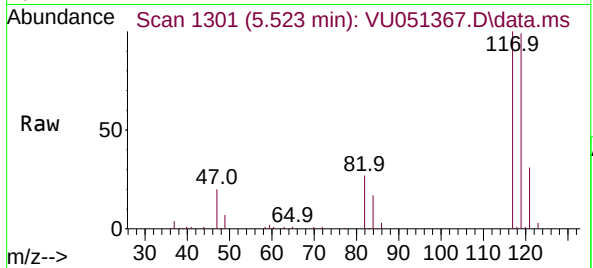




#31
Carbon tetrachloride
Concen: 4.607 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

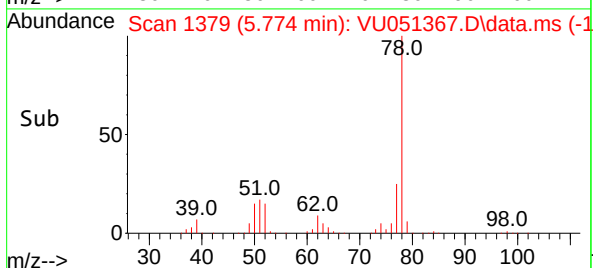
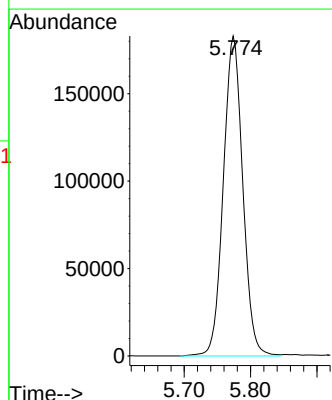
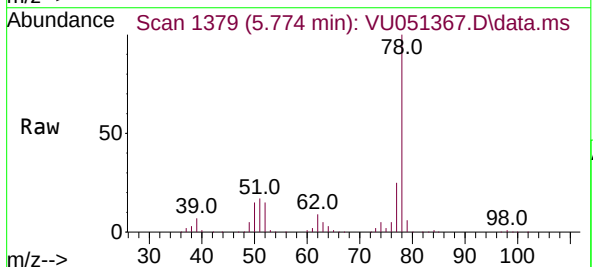
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

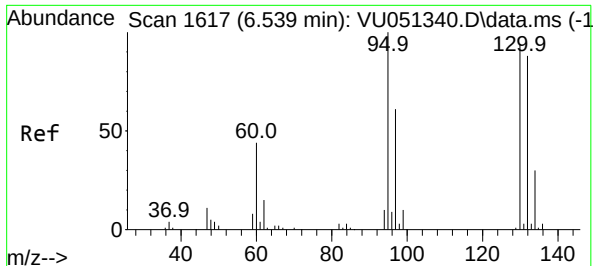
Tgt Ion:117 Resp: 114015
Ion Ratio Lower Upper
117 100
119 95.2 78.4 117.6



#33
Benzene
Concen: 4.567 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 78 Resp: 372182

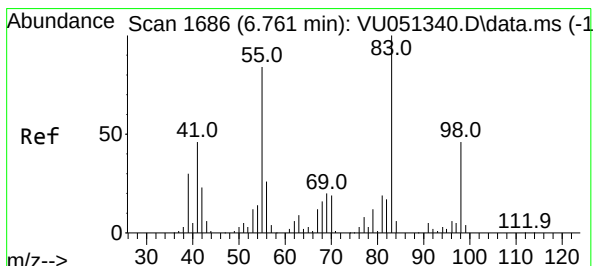
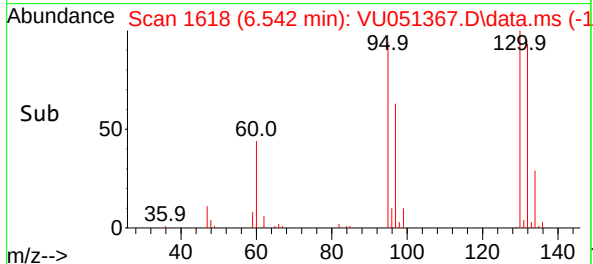
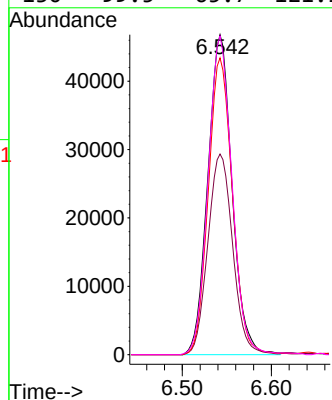
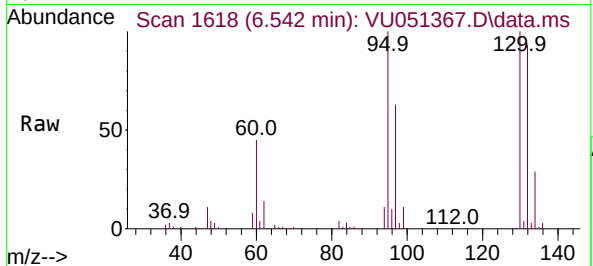




#34
Trichloroethene
Concen: 4.348 ug/L
RT: 6.542 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

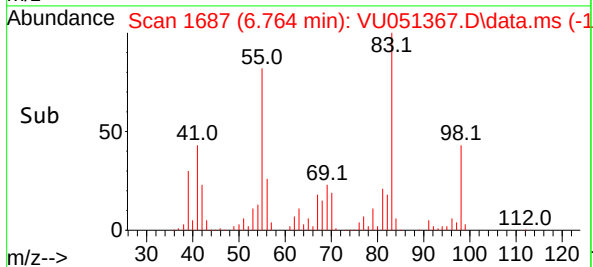
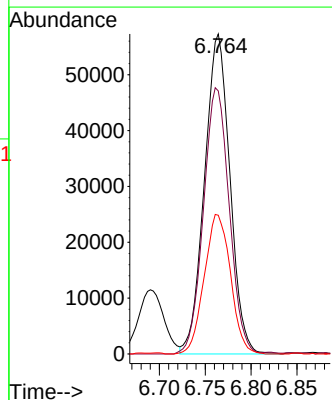
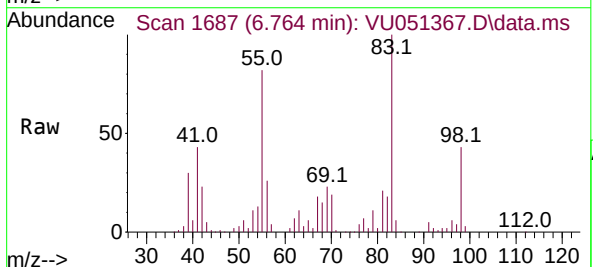
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

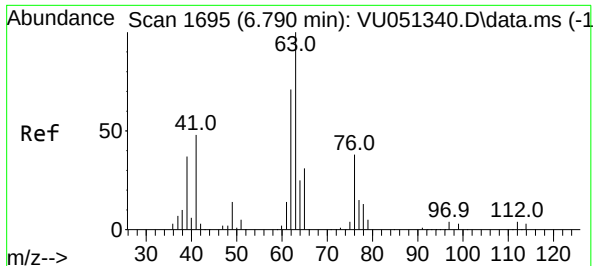
Tgt Ion: 95 Resp: 88376
Ion Ratio Lower Upper
95 100
97 62.7 45.4 84.2
132 92.7 63.1 117.3
130 99.5 65.7 121.9



#35
Methylcyclohexane
Concen: 4.312 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 83 Resp: 110584
Ion Ratio Lower Upper
83 100
55 84.2 65.8 98.6
98 45.0 35.9 53.9





#37

1,2-Dichloropropane

Concen: 4.633 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

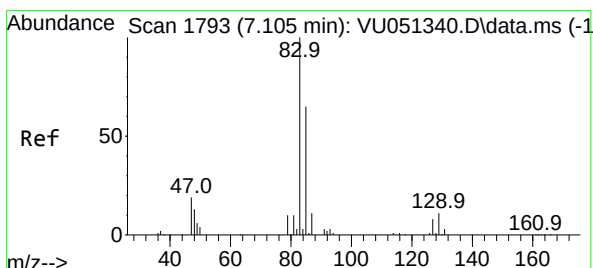
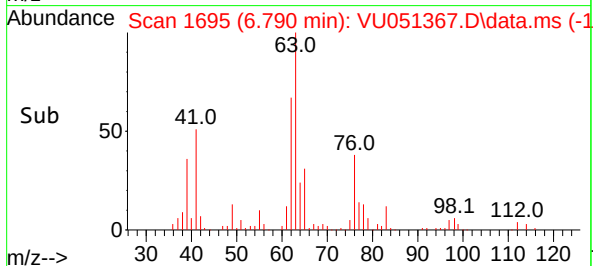
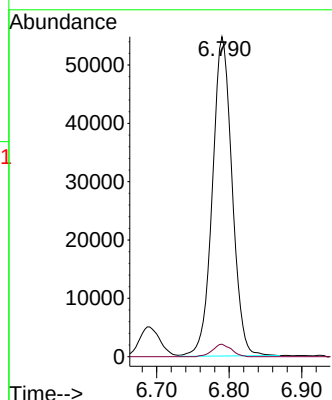
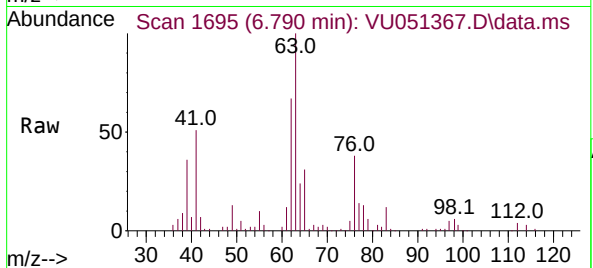
VSTD005174

Tgt Ion: 63 Resp: 103468

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 4.707 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

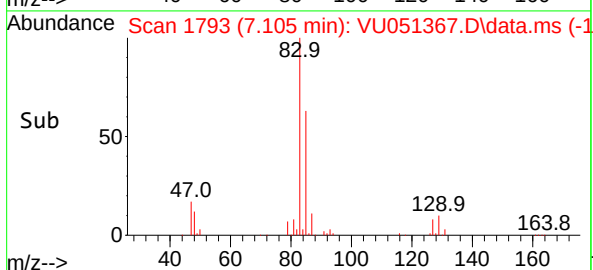
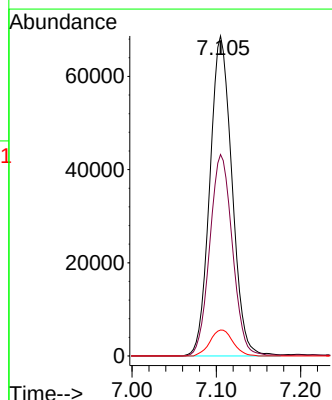
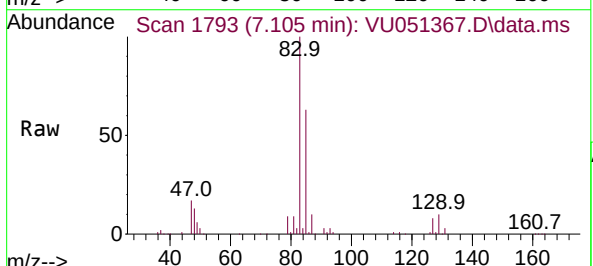
Tgt Ion: 83 Resp: 125415

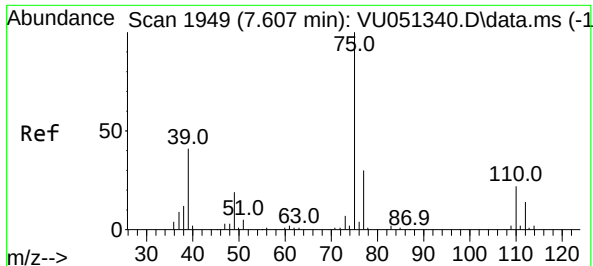
Ion Ratio Lower Upper

83 100

85 62.9 44.8 83.2

127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.380 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

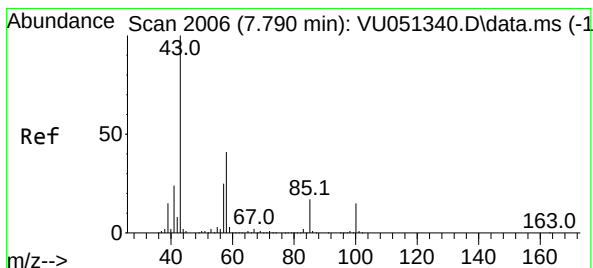
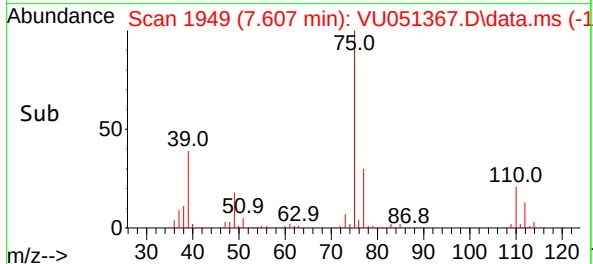
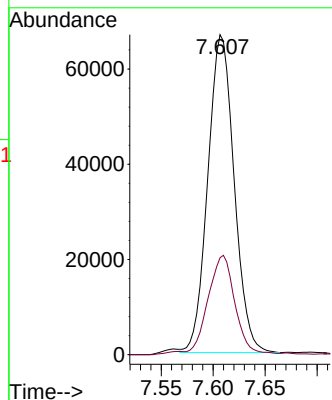
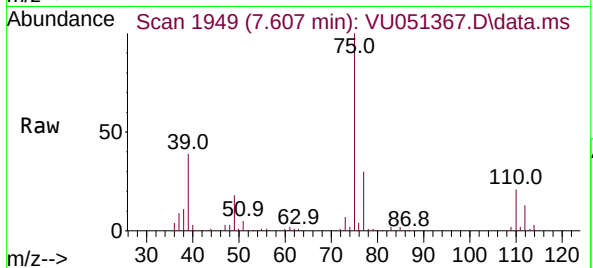
VSTD005174

Tgt Ion: 75 Resp: 117593

Ion Ratio Lower Upper

75 100

77 30.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 44.710 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

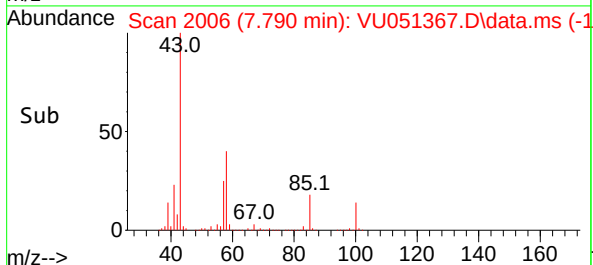
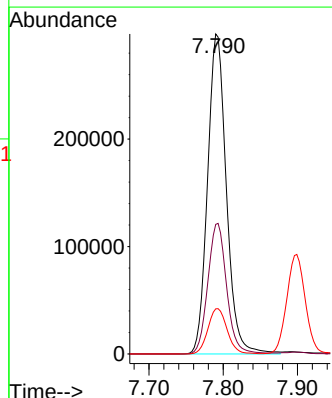
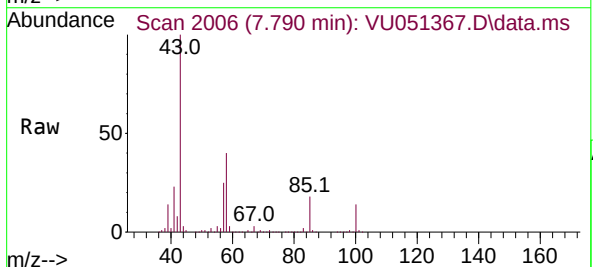
Tgt Ion: 43 Resp: 523901

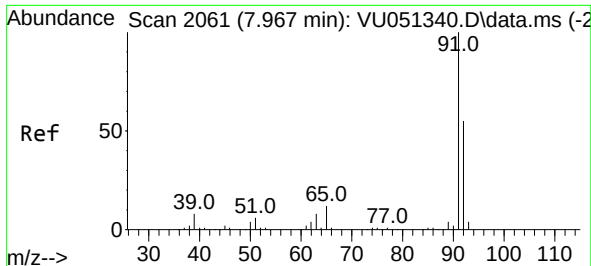
Ion Ratio Lower Upper

43 100

58 40.8 33.0 49.6

100 14.5 11.8 17.6





#42

Toluene

Concen: 4.558 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

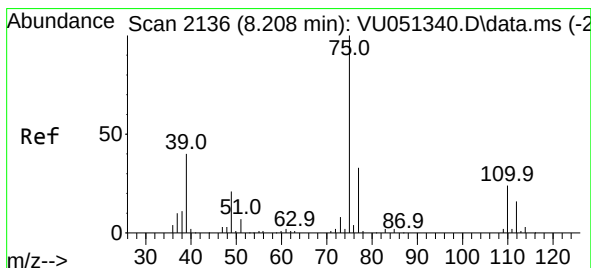
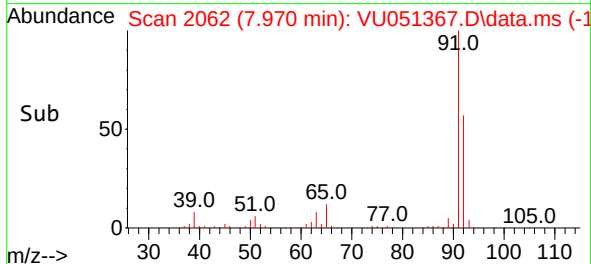
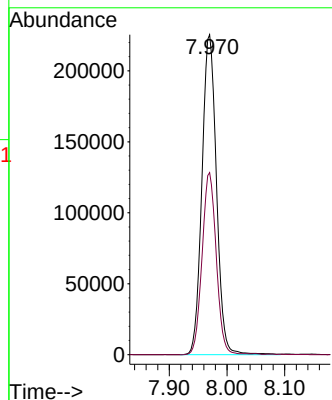
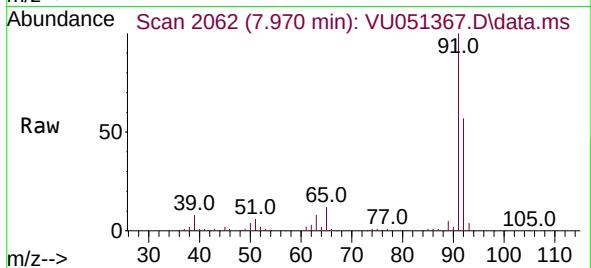
VSTD005174

Tgt Ion: 91 Resp: 394229

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.764 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051367.D

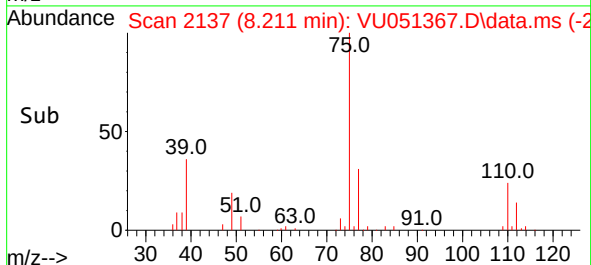
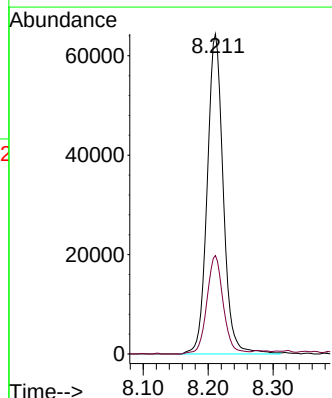
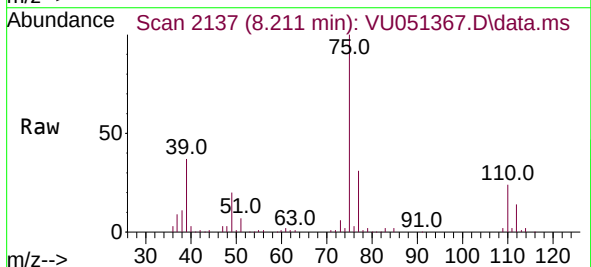
Acq: 11 Oct 2022 10:05

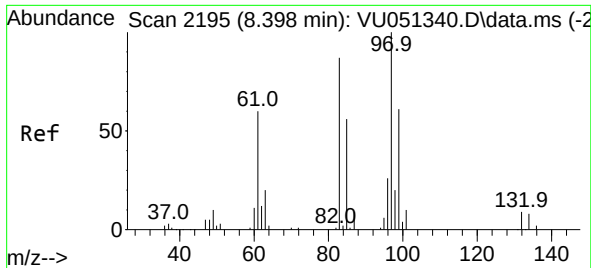
Tgt Ion: 75 Resp: 110589

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6

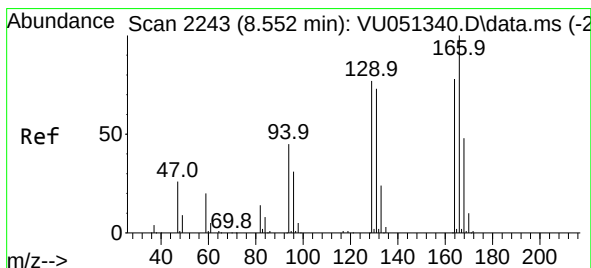
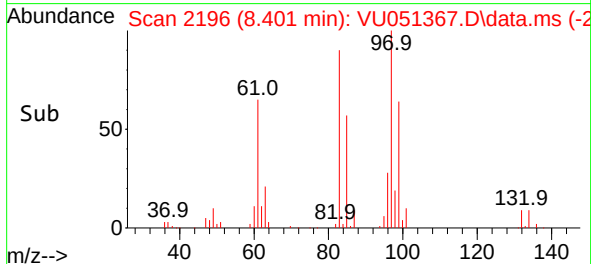
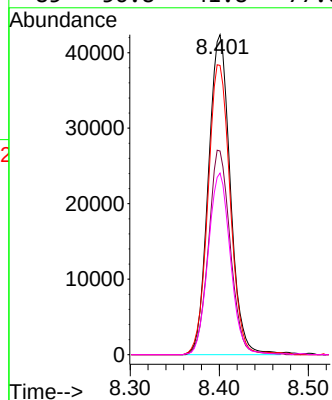
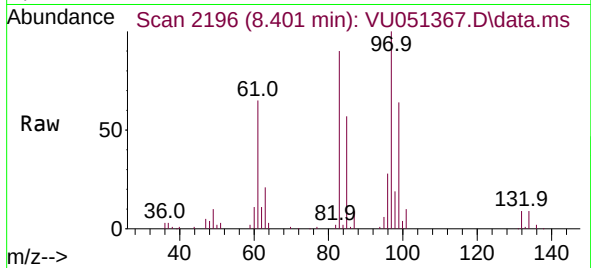




#45
1,1,2-Trichloroethane
Concen: 4.613 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

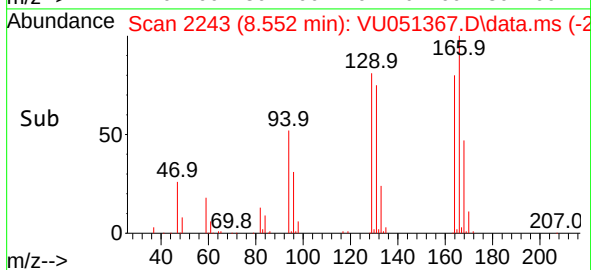
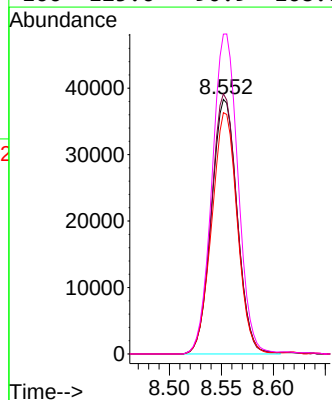
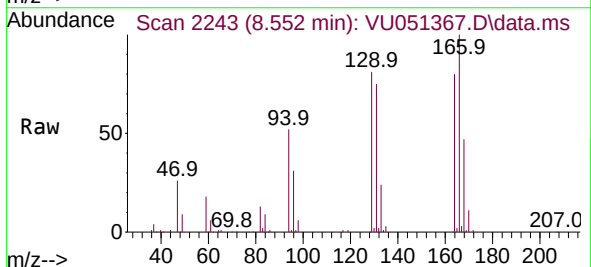
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

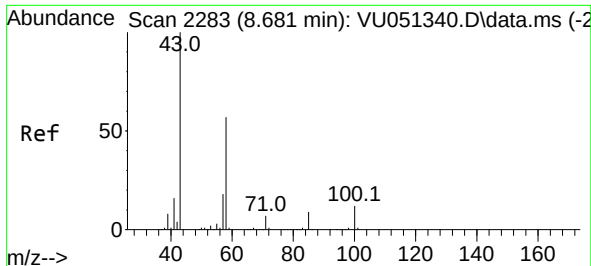
Tgt Ion: 97	Resp: 72333
Ion Ratio	Lower Upper
97 100	
99 63.7	45.3 84.1
83 90.4	63.1 117.1
85 56.8	41.8 77.6



#47
Tetrachloroethene
Concen: 4.416 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt	Ion:164	Resp:	65998
Ion	Ratio	Lower	Upper
164	100		
129	102.2	71.3	132.3
131	94.7	66.9	124.3
166	125.6	90.9	168.7

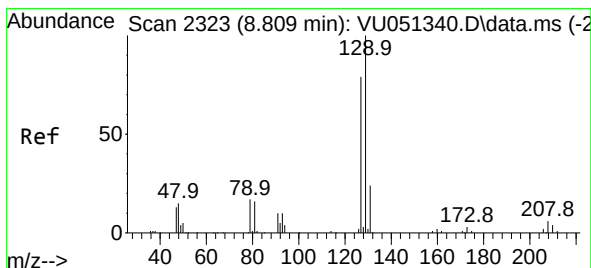
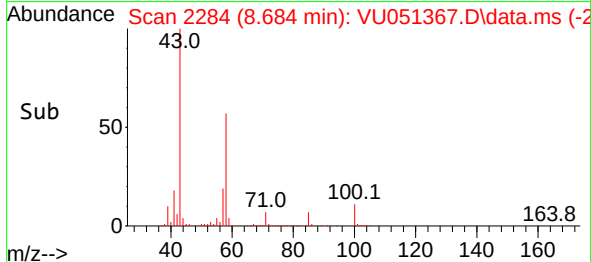
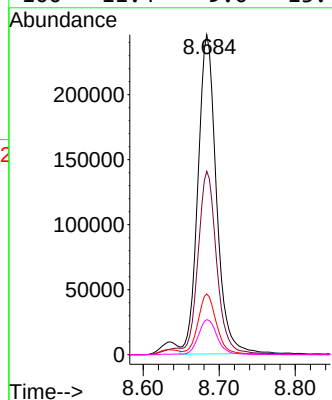
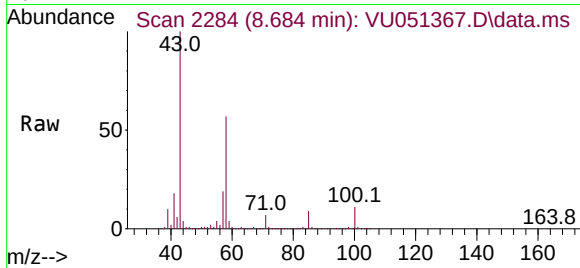




#48
2-Hexanone
Concen: 47.544 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

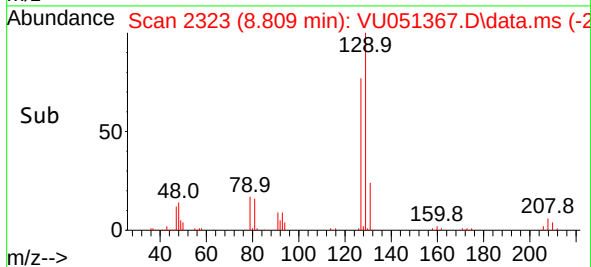
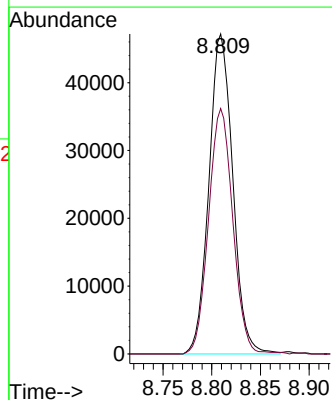
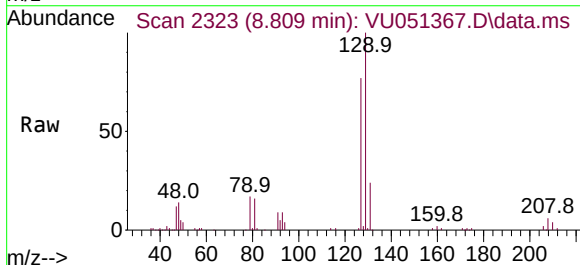
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

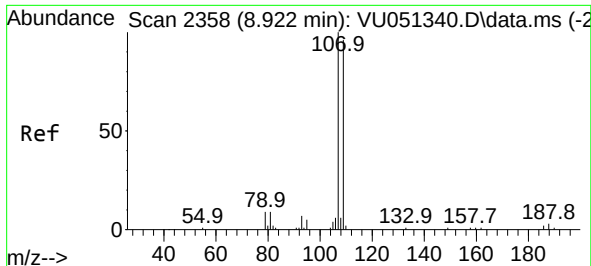
Tgt Ion: 43 Resp: 414806
Ion Ratio Lower Upper
43 100
58 60.4 48.2 72.2
57 19.1 15.5 23.3
100 11.4 9.0 13.4



#49
Dibromochloromethane
Concen: 4.561 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 129 Resp: 80303
Ion Ratio Lower Upper
129 100
127 76.7 53.5 99.3





#50

1,2-Dibromoethane

Concen: 4.714 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005174

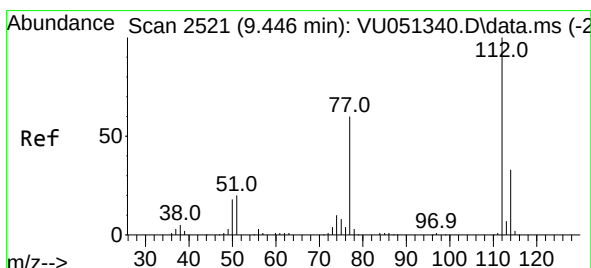
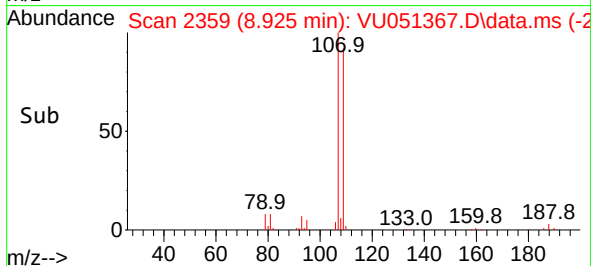
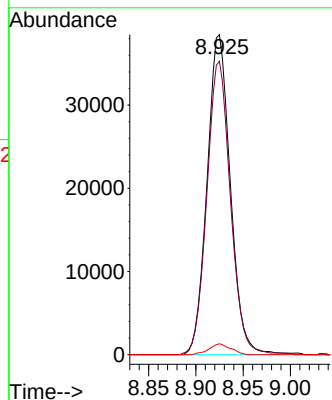
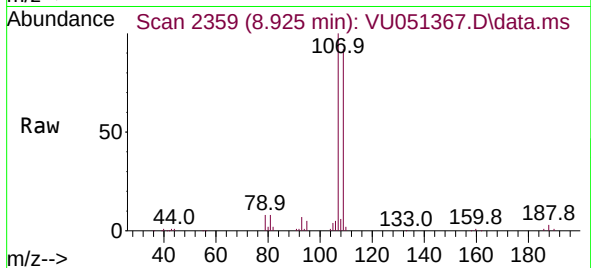
Tgt Ion:107 Resp: 65801

Ion Ratio Lower Upper

107 100

109 91.7 67.1 124.7

188 3.4 2.5 3.7



#51

Chlorobenzene

Concen: 4.665 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

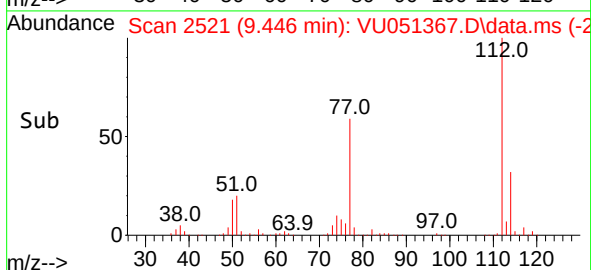
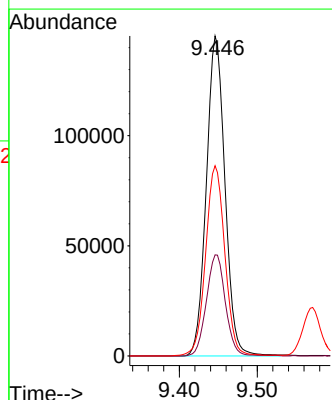
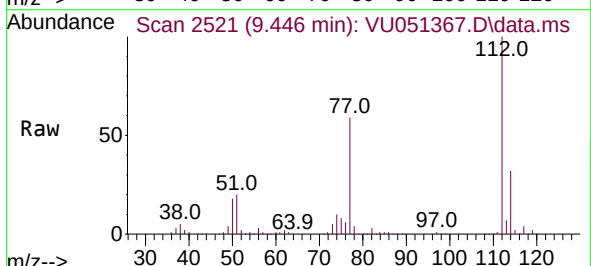
Tgt Ion:112 Resp: 241100

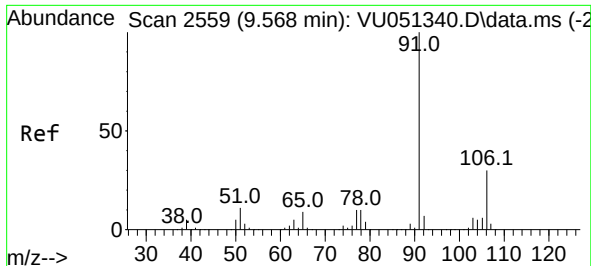
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.5

77 59.5 48.1 72.1

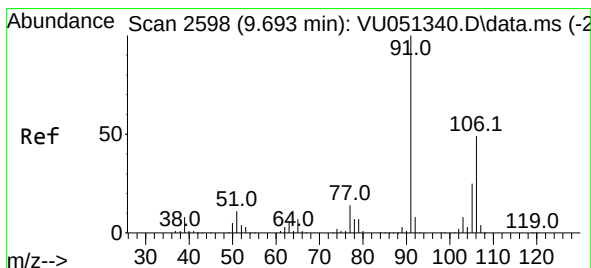
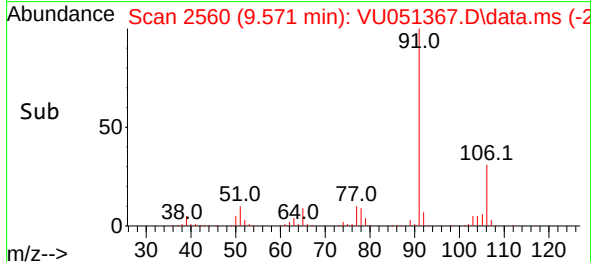
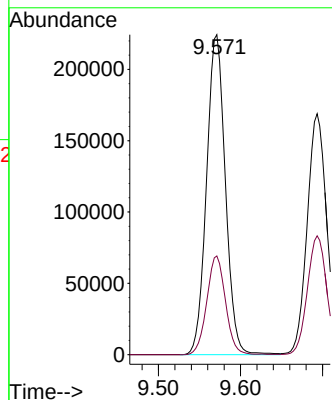
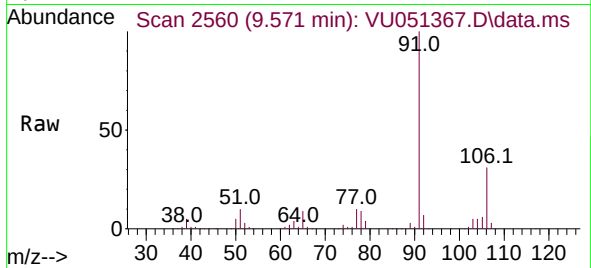




#52
Ethylbenzene
Concen: 4.613 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

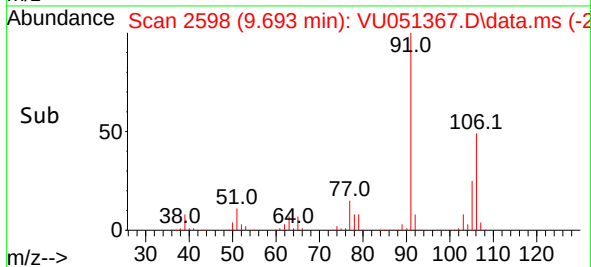
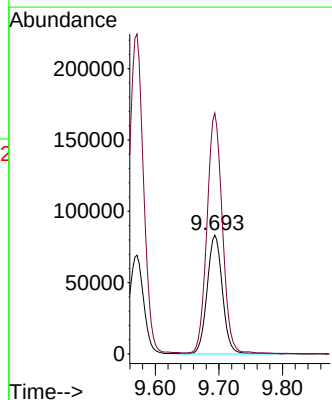
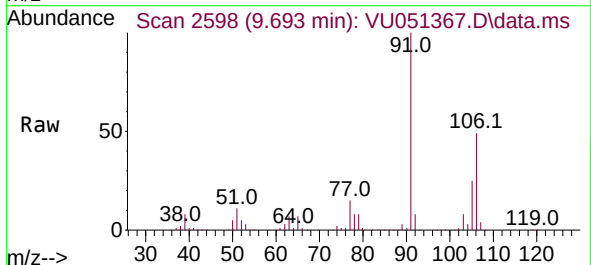
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

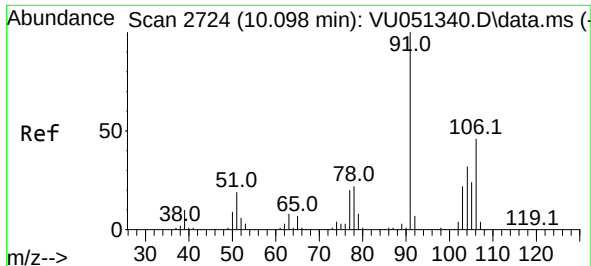
Tgt Ion: 91 Resp: 358544
Ion Ratio Lower Upper
91 100
106 30.9 20.9 38.7



#53
m,p-Xylene
Concen: 4.616 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 106 Resp: 139141
Ion Ratio Lower Upper
106 100
91 202.7 143.9 267.3

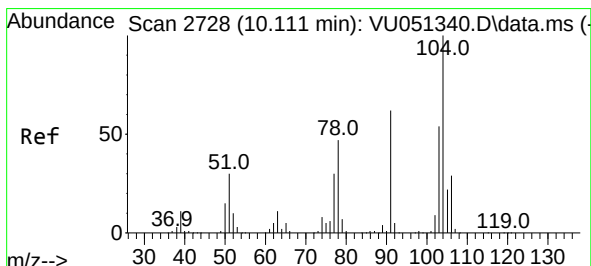
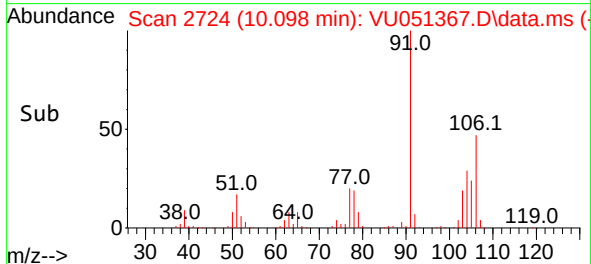
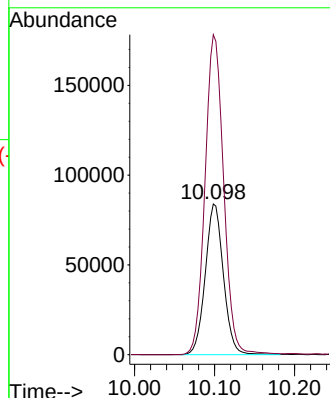
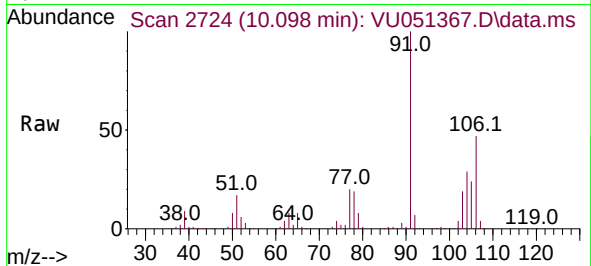




#54
o-Xylene
Concen: 4.653 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

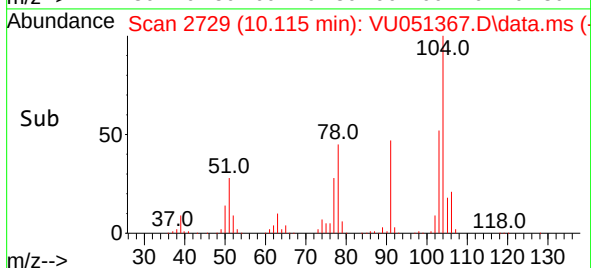
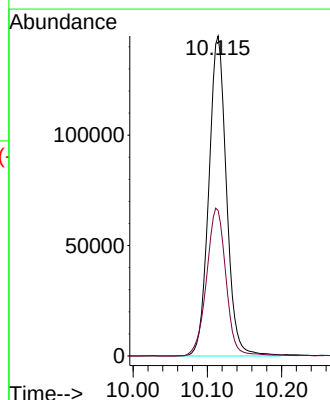
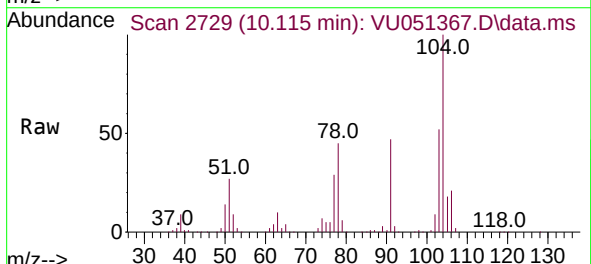
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

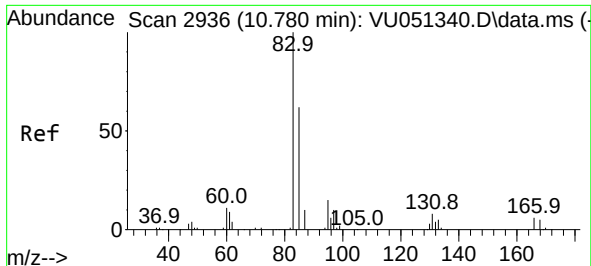
Tgt Ion:106 Resp: 132718
Ion Ratio Lower Upper
106 100
91 212.3 154.4 286.8



#55
Styrene
Concen: 4.877 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion:104 Resp: 239448
Ion Ratio Lower Upper
104 100
78 45.5 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.639 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005174

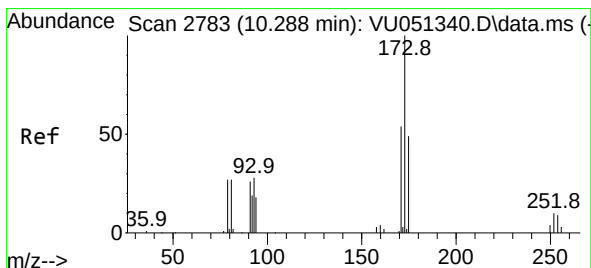
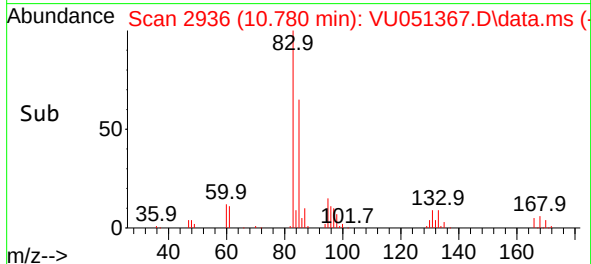
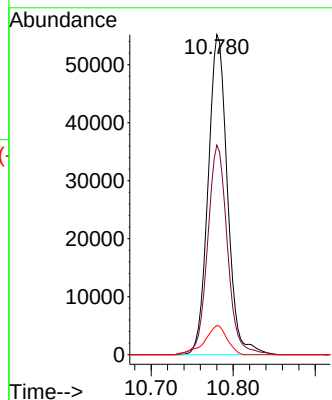
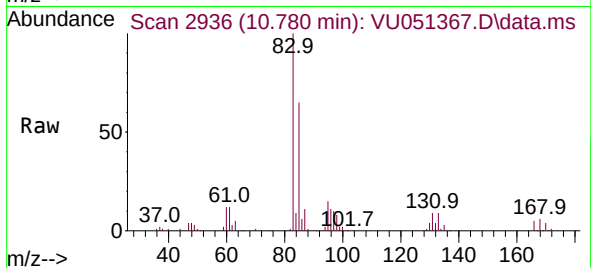
Tgt Ion: 83 Resp: 90055

Ion Ratio Lower Upper

83 100

85 65.5 45.9 85.3

131 9.1 7.4 11.2



#59

Bromoform

Concen: 4.218 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.003 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

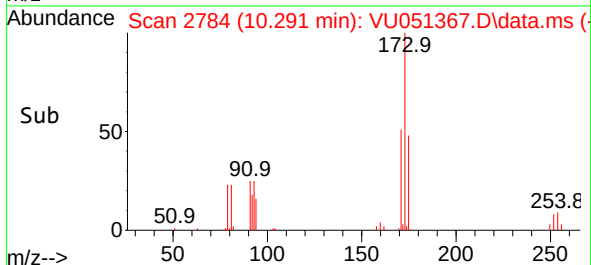
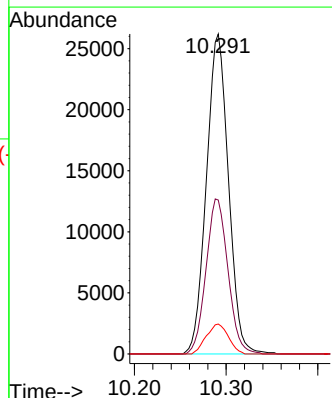
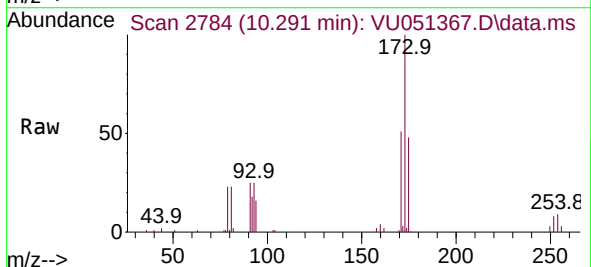
Tgt Ion:173 Resp: 43777

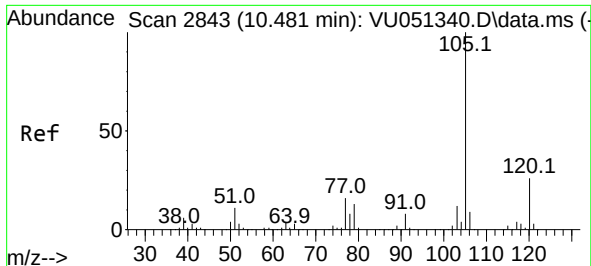
Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

254 9.4 7.5 11.3

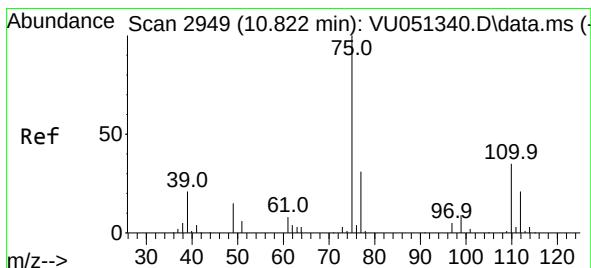
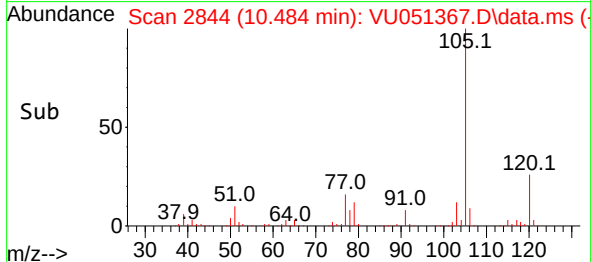
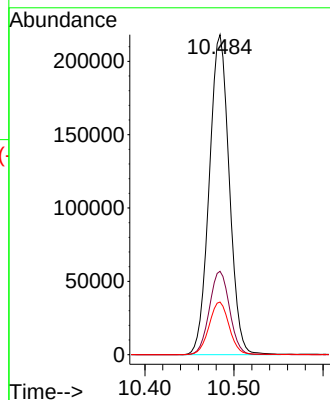
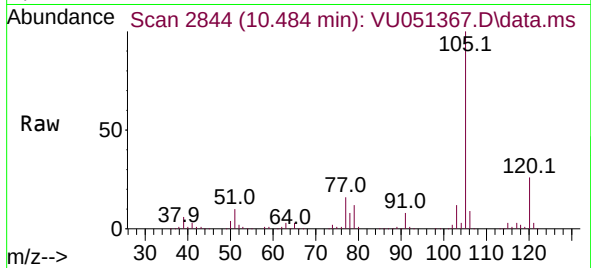




#60
Isopropylbenzene
Concen: 4.300 ug/L
RT: 10.484 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

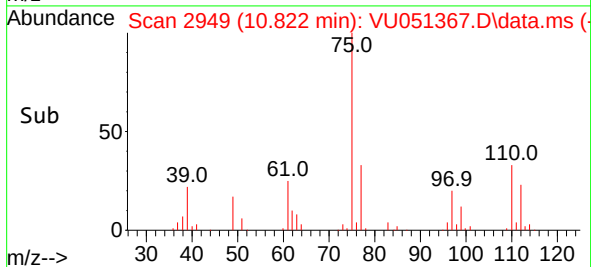
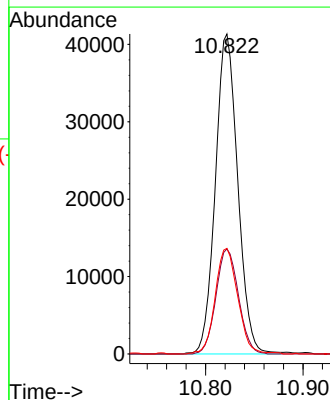
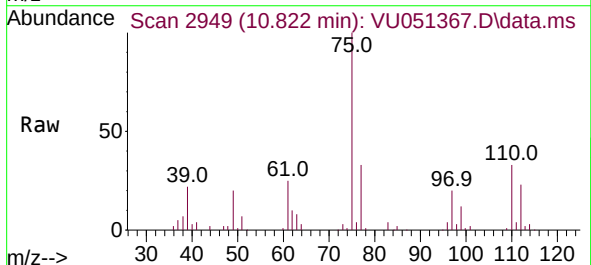
Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

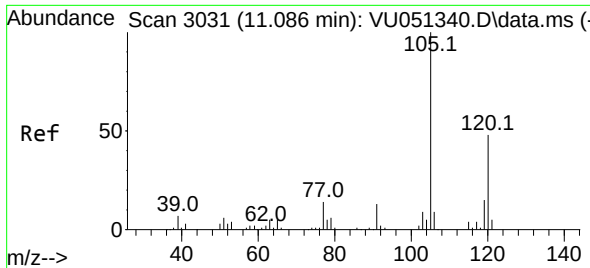
Tgt Ion:105 Resp: 339807
Ion Ratio Lower Upper
105 100
120 26.4 20.6 30.8
77 16.7 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 4.185 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion: 75 Resp: 65929
Ion Ratio Lower Upper
75 100
110 33.1 27.0 40.6
77 33.4 26.4 39.6

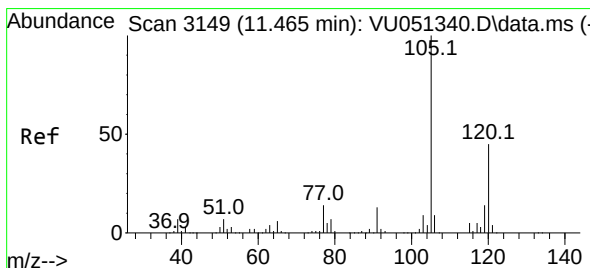
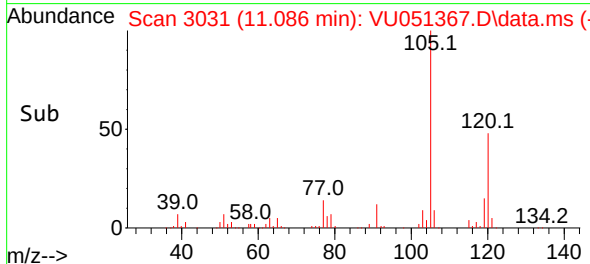
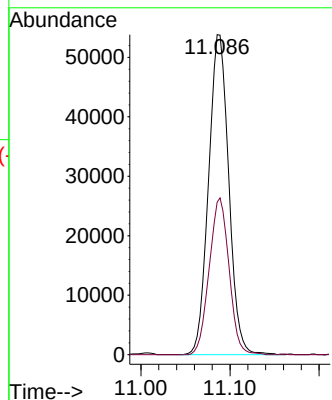
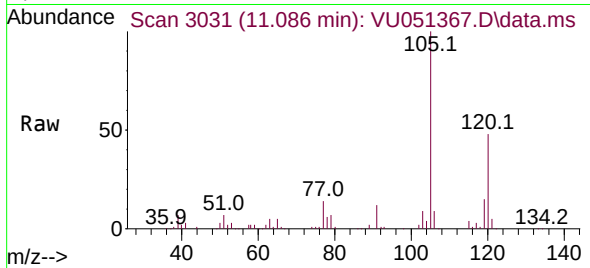




#62
 1,3,5-Trimethylbenzene
 Concen: 4.036 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

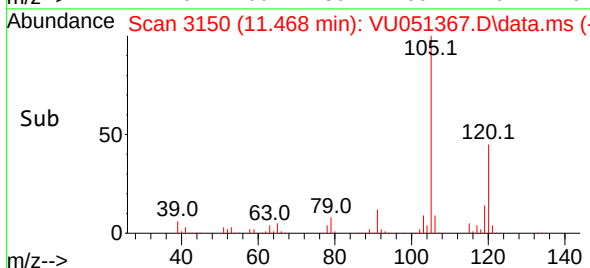
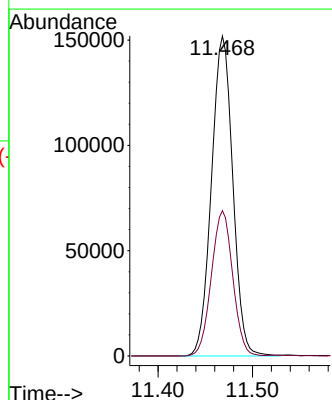
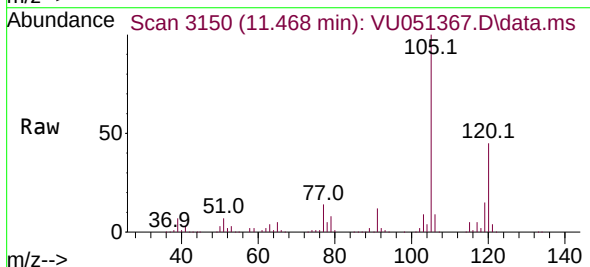
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005174

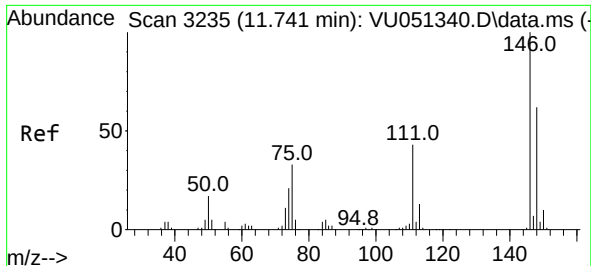
Tgt Ion:105 Resp: 84609
 Ion Ratio Lower Upper
 105 100
 120 48.1 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 4.014 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

Tgt Ion:105 Resp: 237950
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.6 53.4

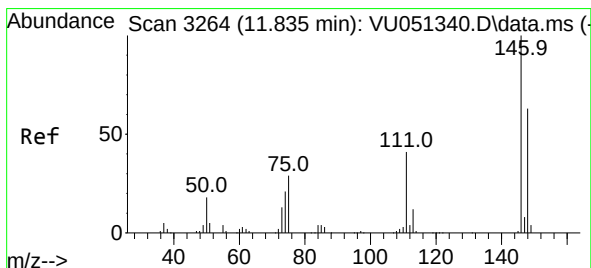
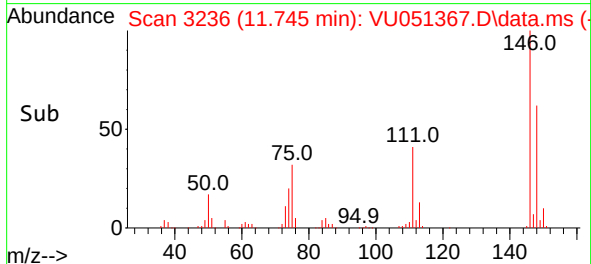
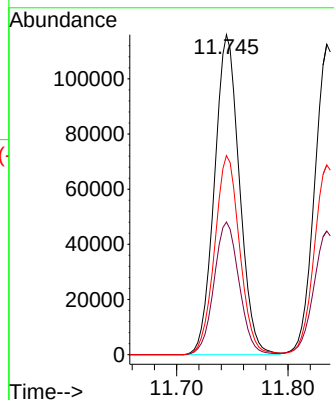
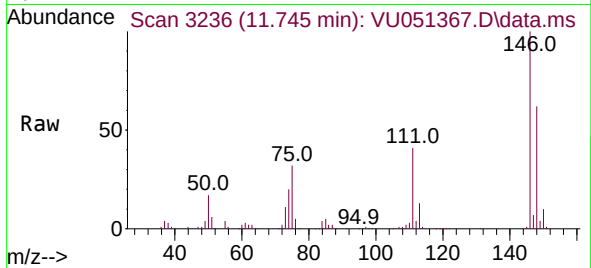




#64
 1,3-Dichlorobenzene
 Concen: 4.624 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

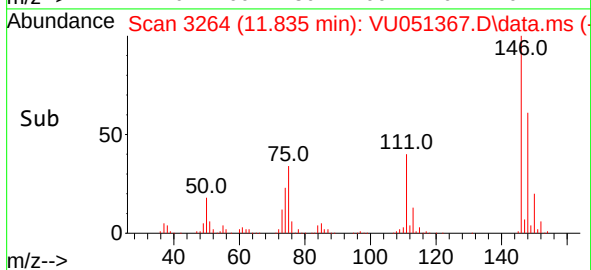
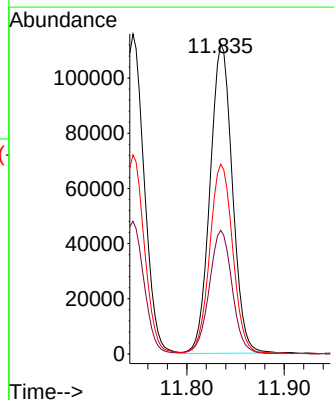
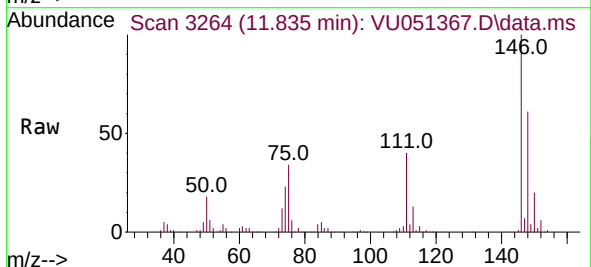
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005174

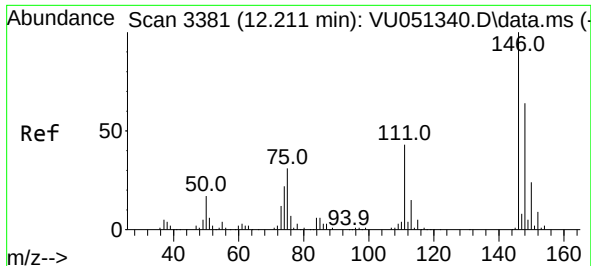
Tgt Ion:146 Resp: 180720
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.3 52.7
 148 62.2 43.8 81.4



#65
 1,4-Dichlorobenzene
 Concen: 4.644 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

Tgt Ion:146 Resp: 178899
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.1 54.1
 148 61.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 4.468 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005174

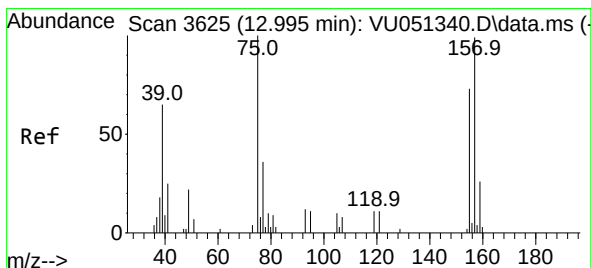
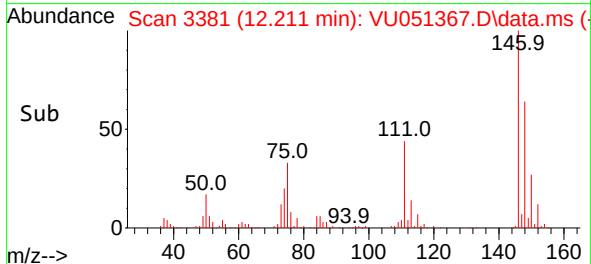
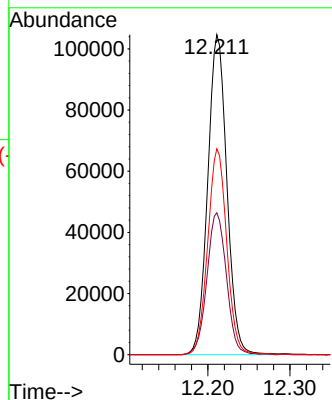
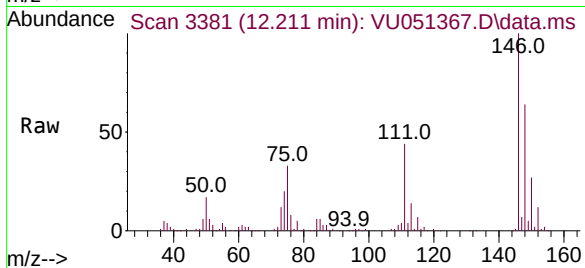
Tgt Ion:146 Resp: 169777

Ion Ratio Lower Upper

146 100

111 44.4 35.5 53.3

148 64.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.463 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU051367.D

Acq: 11 Oct 2022 10:05

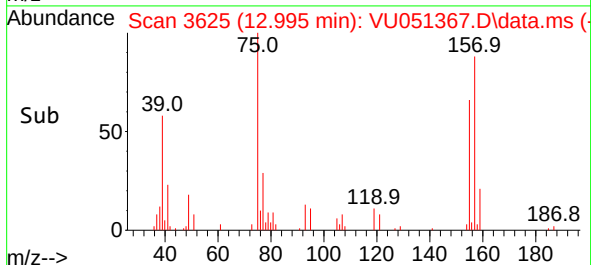
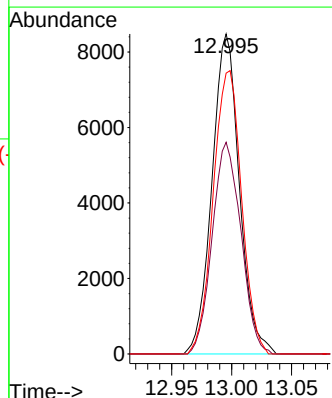
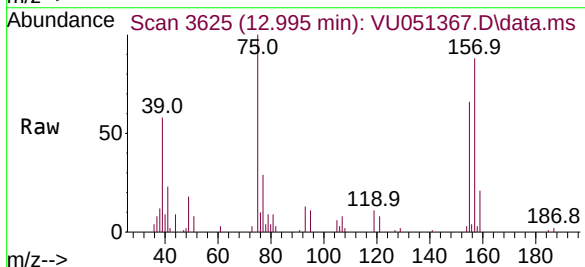
Tgt Ion: 75 Resp: 13449

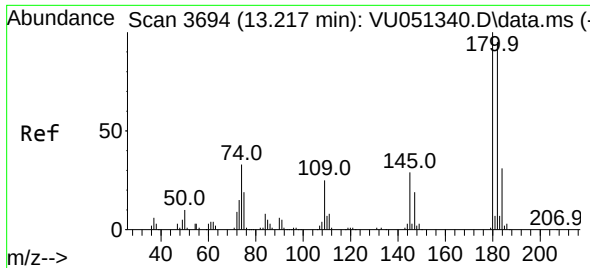
Ion Ratio Lower Upper

75 100

155 66.1 62.7 94.1

157 87.8 78.3 117.5

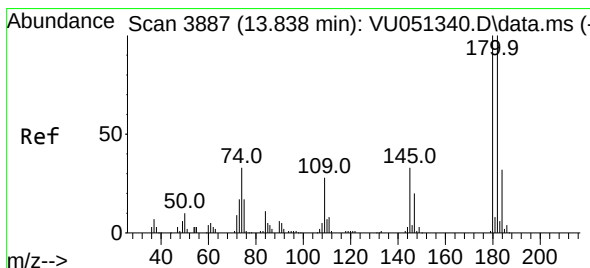
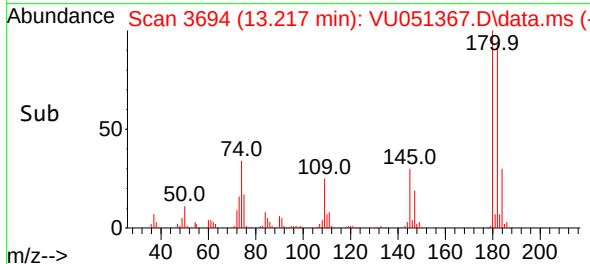
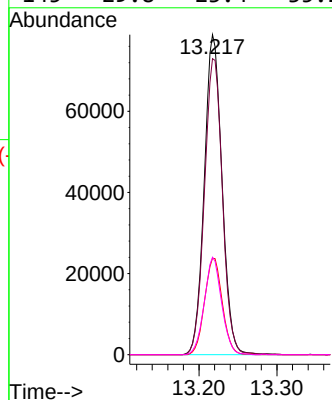
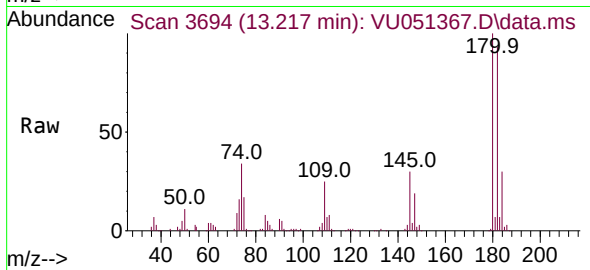




#69
 1,3,5-Trichlorobenzene
 Concen: 4.624 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

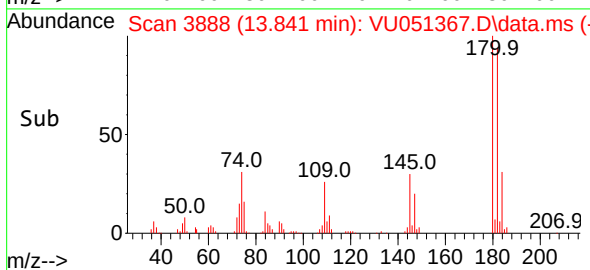
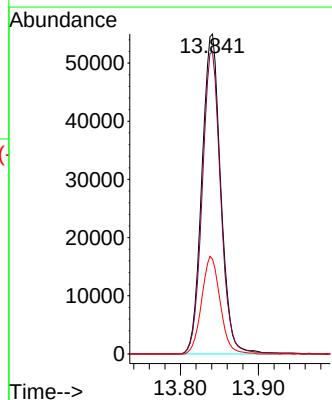
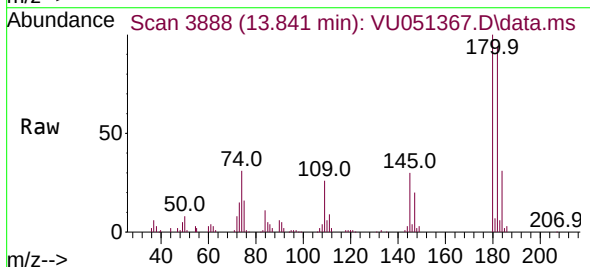
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005174

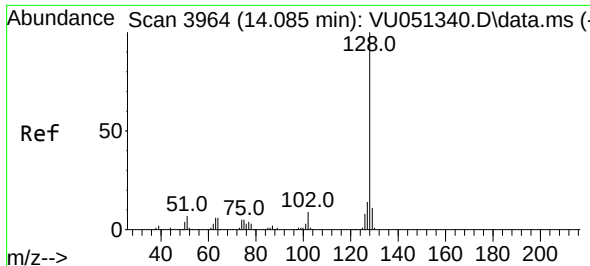
Tgt Ion:	180	Resp:	124593
Ion Ratio	Lower	Upper	
180	100		
182	93.9	77.7	116.5
184	30.1	23.6	35.4
145	29.8	23.4	35.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.822 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VU051367.D
 Acq: 11 Oct 2022 10:05

Tgt Ion:	180	Resp:	92338
Ion Ratio	Lower	Upper	
180	100		
182	92.6	78.7	118.1
145	30.0	25.0	37.4

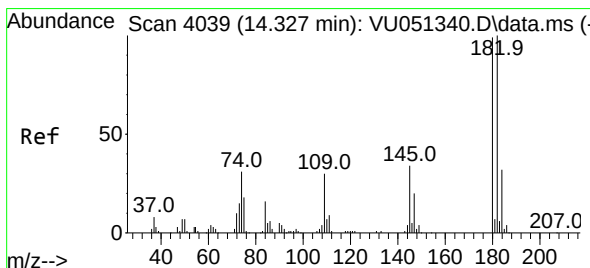
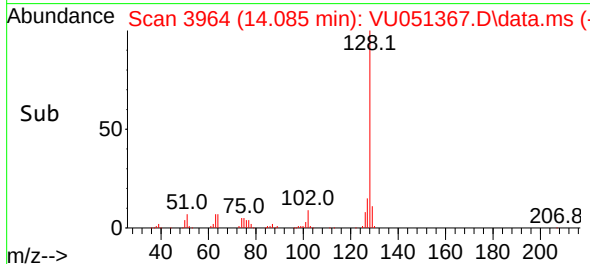
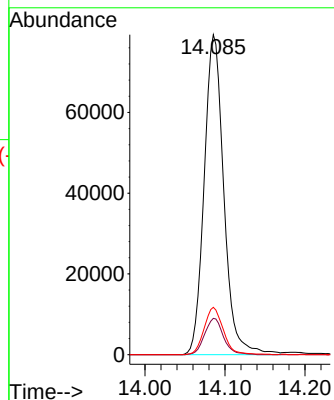
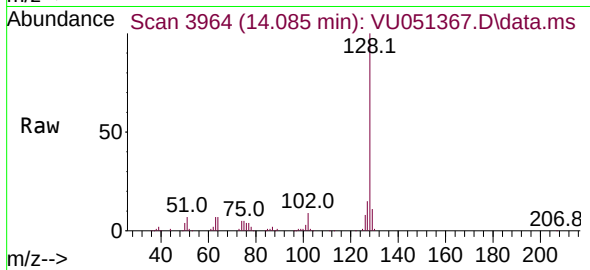




#71
Naphthalene
Concen: 3.812 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD005174

Tgt Ion:128 Resp: 135670
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 14.5 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.368 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU051367.D
Acq: 11 Oct 2022 10:05

Tgt Ion:180 Resp: 86520
Ion Ratio Lower Upper
180 100
182 97.1 76.6 114.8
145 33.5 25.8 38.8

