

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121222\
 Data File : VU052366.D
 Acq On : 12 Dec 2022 20:28
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005104

Quant Time: Dec 13 01:07:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 13 01:01:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	262410	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	260170	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	142787	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	98985	3.878	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.916	69	84774	4.276	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.568	65	39344	4.300	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.000%
20) 2-Butanone-d5	4.636	46	288646	62.387	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.780%
24) Chloroform-d	5.060	84	184207	4.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.700	65	92456	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.726	84	371314	4.807	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.687	67	119459	4.998	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.896	98	348667	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
43) trans-1,3-Dichloroprop...	8.176	79	41555	4.771	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.629	63	237770	64.410	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.820%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	112196	5.414	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	129072	4.721	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	114491	5.031	ug/L	99
3) Chloromethane	1.520	50	122499	4.124	ug/L	99
5) Vinyl chloride	1.607	62	139421	4.885	ug/L	86
6) Bromomethane	1.861	94	36448	2.489	ug/L	100
8) Chloroethane	1.938	64	87944	4.956	ug/L	97
9) Trichlorofluoromethane	2.141	101	159407	5.078	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	96849	5.046	ug/L	98
12) 1,1-Dichloroethene	2.581	96	97296	5.111	ug/L	90
13) Acetone	2.652	43	184636	58.768	ug/L	100
14) Carbon disulfide	2.797	76	318990	4.841	ug/L	99
15) Methyl Acetate	2.957	43	44804	5.498	ug/L	95
16) Methylene chloride	3.047	84	156727	6.086	ug/L	98
17) Methyl tert-butyl Ether	3.363	73	219969	5.162	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	103087	5.052	ug/L	96
19) 1,1-Dichloroethane	3.867	63	186659	5.075	ug/L	98
21) 2-Butanone	4.716	43	309068	61.377	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	109787	5.127	ug/L	98
23) Bromochloromethane	4.973	128	52966	5.169	ug/L	92
25) Chloroform	5.086	83	192903	5.176	ug/L	98

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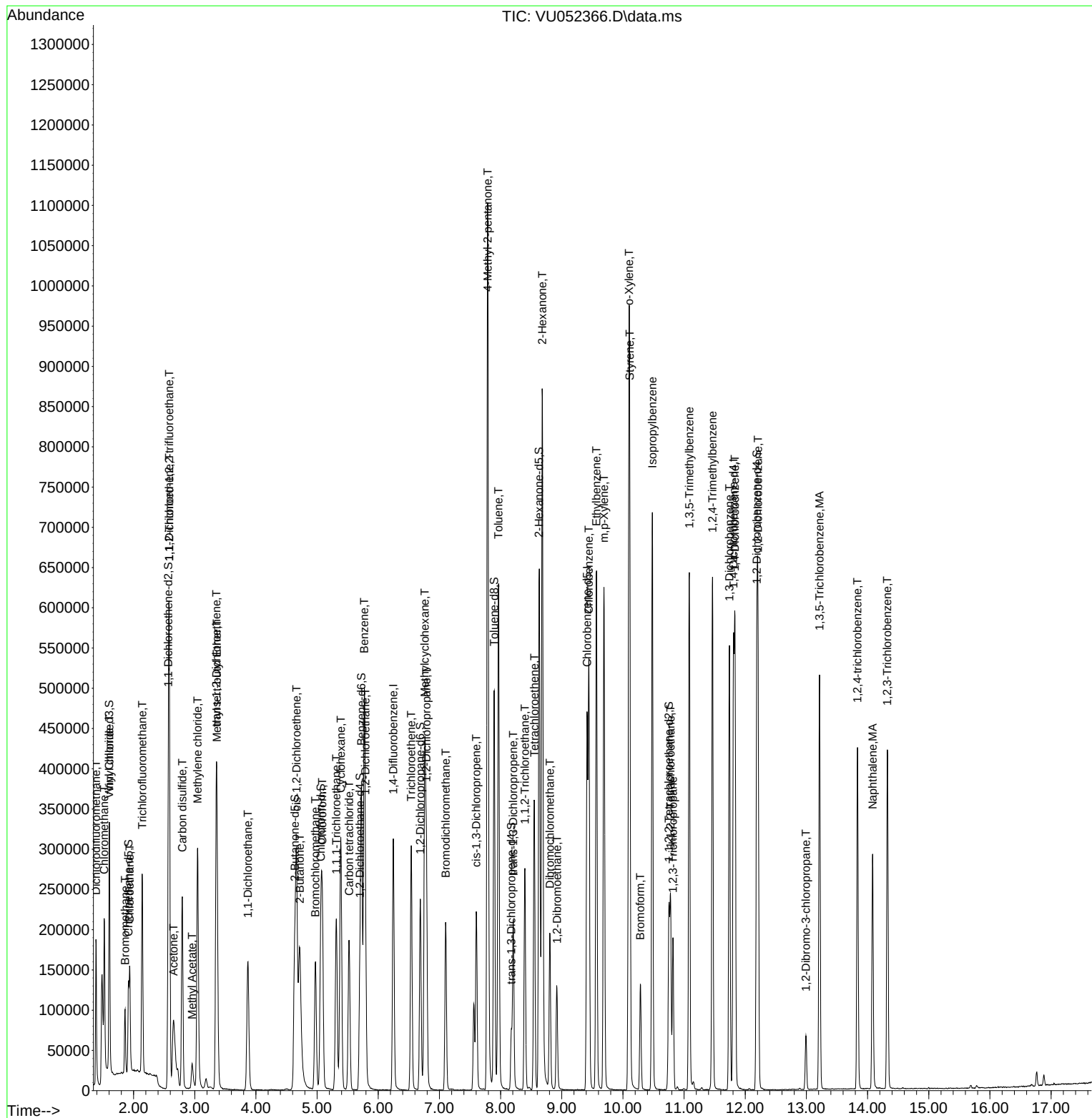
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	117628	5.154	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	152922	5.298	ug/L	99
30) Cyclohexane	5.388	56	153571	5.479	ug/L	97
31) Carbon tetrachloride	5.523	117	128883	5.255	ug/L	100
33) Benzene	5.771	78	448220	5.294	ug/L	100
34) Trichloroethene	6.539	95	107431	5.087	ug/L	98
35) Methylcyclohexane	6.761	83	160172	5.272	ug/L	99
37) 1,2-Dichloropropane	6.787	63	116978	5.336	ug/L	99
38) Bromodichloromethane	7.102	83	138263	5.173	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	138785	4.931	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	704340	61.506	ug/L	100
42) Toluene	7.967	91	473064	5.432	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	121819	5.054	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	90076	5.468	ug/L	98
47) Tetrachloroethene	8.552	164	83876	5.182	ug/L	97
48) 2-Hexanone	8.681	43	535878	63.831	ug/L	99
49) Dibromochloromethane	8.806	129	99938	5.416	ug/L	96
50) 1,2-Dibromoethane	8.922	107	82237	5.480	ug/L	98
51) Chlorobenzene	9.443	112	292808	5.273	ug/L	99
52) Ethylbenzene	9.568	91	457118	5.399	ug/L	100
53) m,p-Xylene	9.690	106	183356	5.592	ug/L	98
54) o-Xylene	10.099	106	175449	5.583	ug/L	99
55) Styrene	10.111	104	303661	5.721	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	118083	5.739	ug/L	99
59) Bromoform	10.285	173	59412	5.052	ug/L	97
60) Isopropylbenzene	10.481	105	455363	5.077	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	81383	4.980	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	348297	4.858	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	353017	4.960	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	233684	5.103	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	230030	5.036	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	222361	5.042	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	18561	5.190	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	166282	5.121	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	133150	5.384	ug/L	99
71) Naphthalene	14.082	128	242443	5.222	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	132447	5.444	ug/L	97

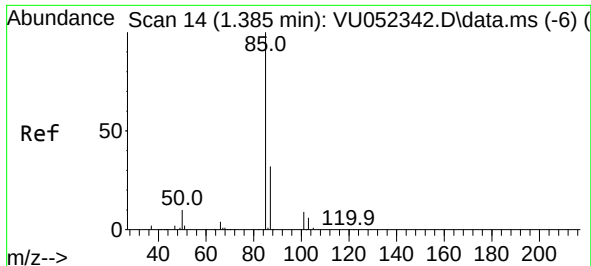
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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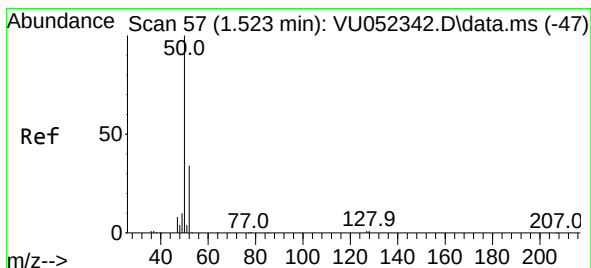
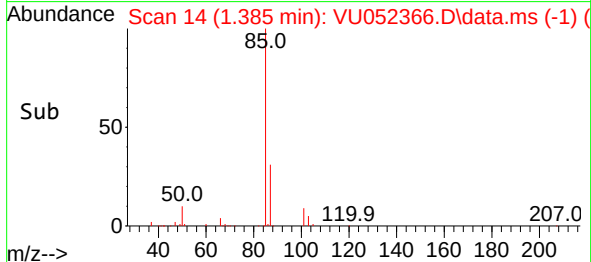
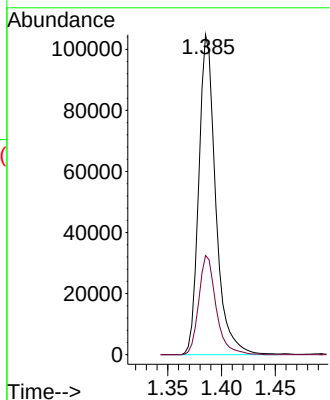
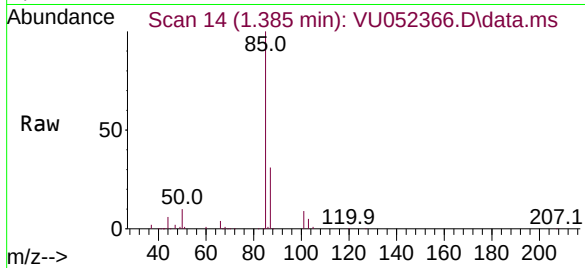




#2
Dichlorodifluoromethane
Concen: 5.031 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

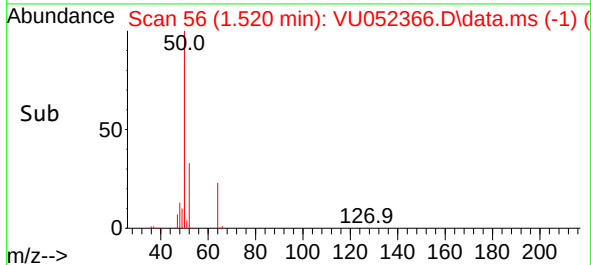
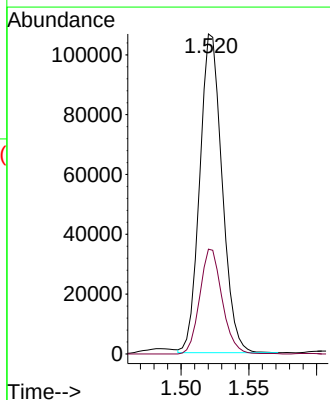
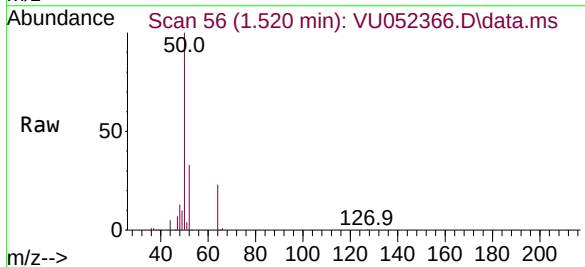
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

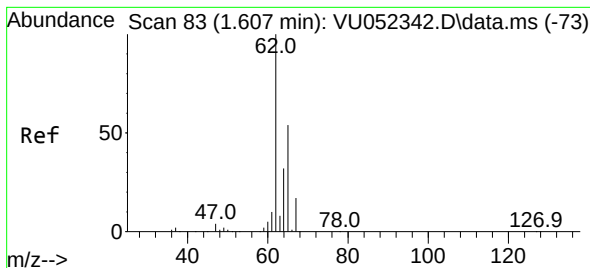
Tgt Ion: 85 Resp: 114491
Ion Ratio Lower Upper
85 100
87 31.7 25.8 38.8



#3
Chloromethane
Concen: 4.124 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 50 Resp: 122499
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.4





#5

Vinyl chloride

Concen: 4.885 ug/L

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

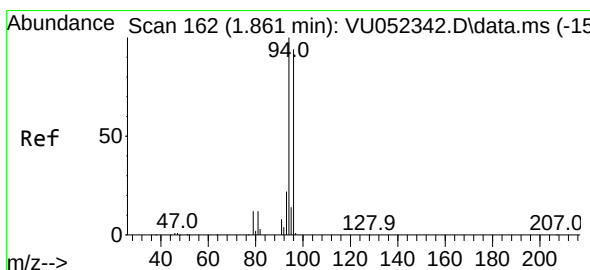
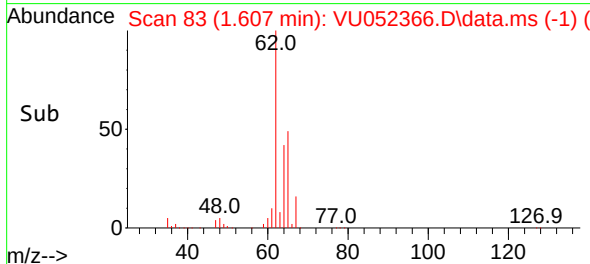
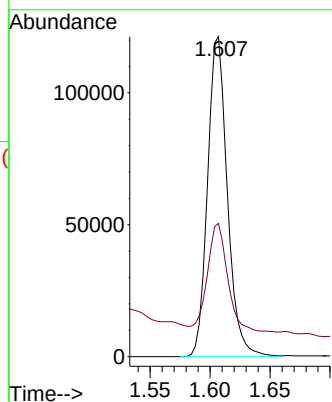
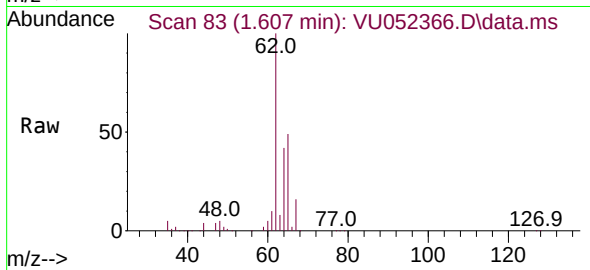
VSTD005104

Tgt Ion: 62 Resp: 139421

Ion Ratio Lower Upper

62 100

64 41.6 23.5 43.7



#6

Bromomethane

Concen: 2.489 ug/L

RT: 1.861 min Scan# 162

Delta R.T. -0.000 min

Lab File: VU052366.D

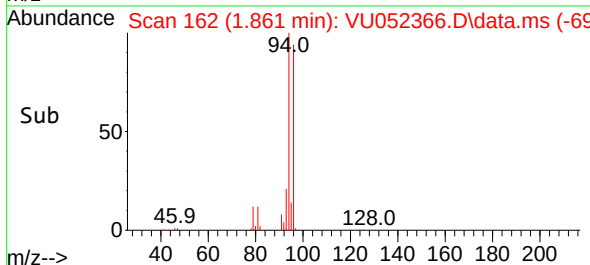
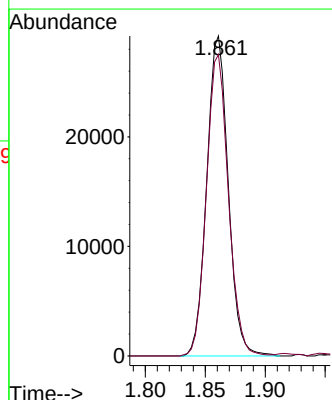
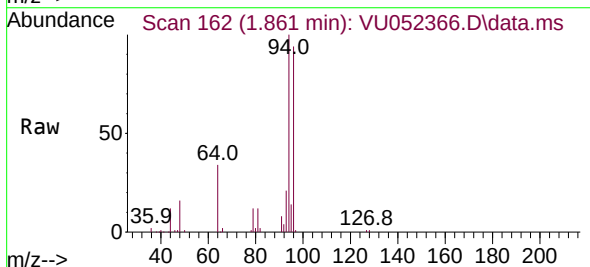
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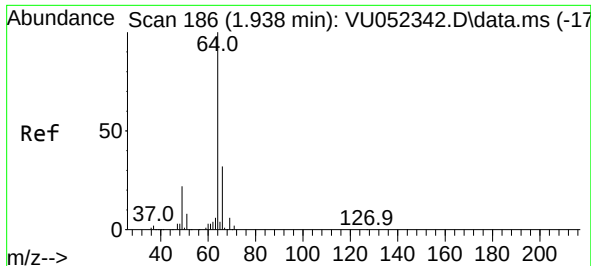
Tgt Ion: 94 Resp: 36448

Ion Ratio Lower Upper

94 100

96 94.2 65.7 122.1

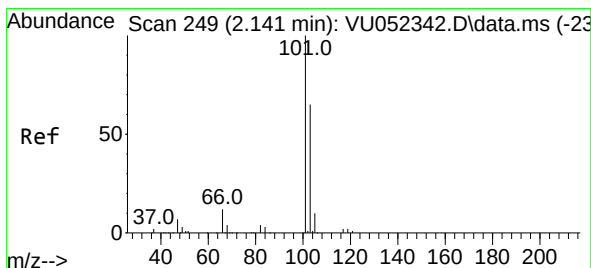
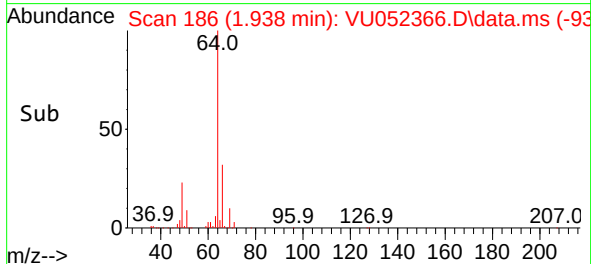
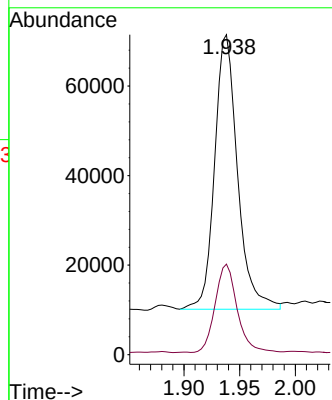
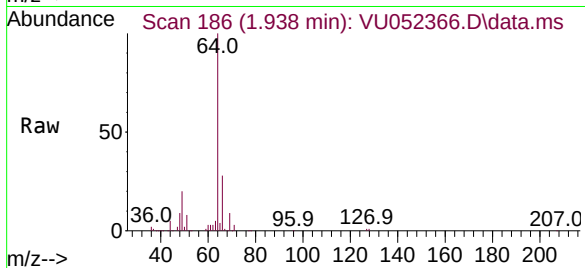




#8
Chloroethane
Concen: 4.956 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

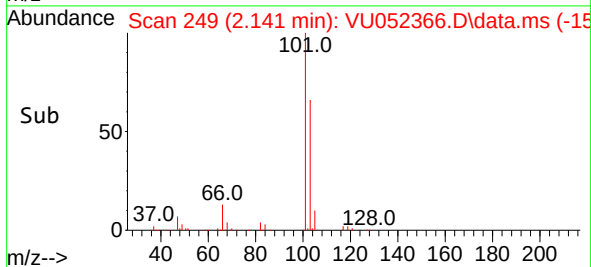
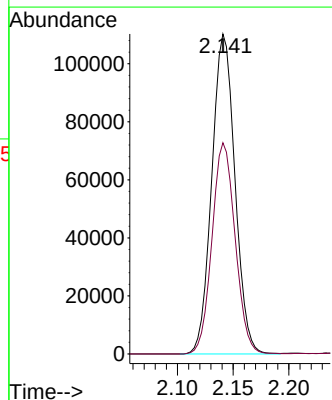
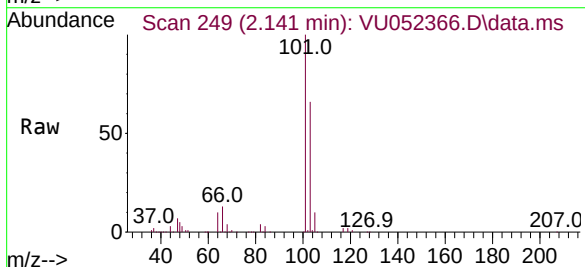
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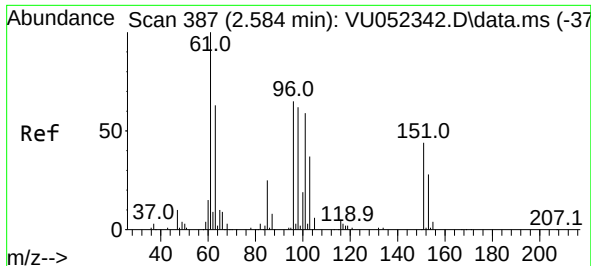
Tgt Ion: 64 Resp: 87944
Ion Ratio Lower Upper
64 100
66 28.3 21.1 39.1



#9
Trichlorofluoromethane
Concen: 5.078 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion:101 Resp: 159407
Ion Ratio Lower Upper
101 100
103 66.0 51.6 77.4

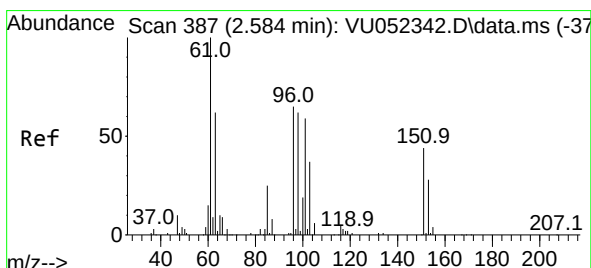
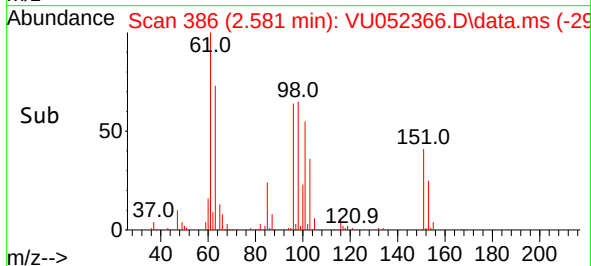
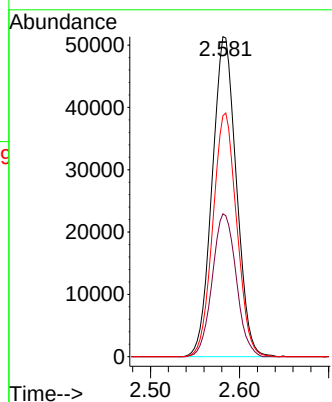
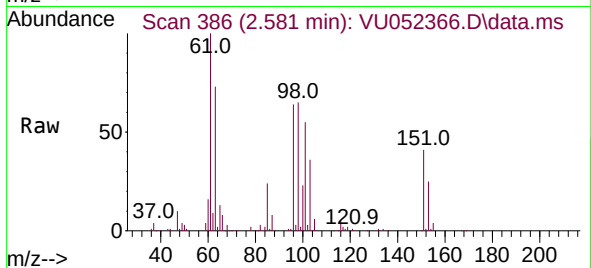




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.046 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

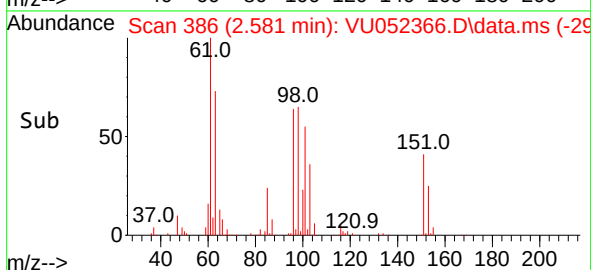
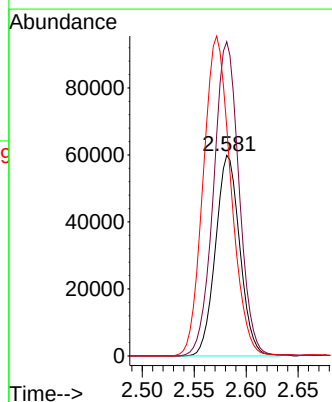
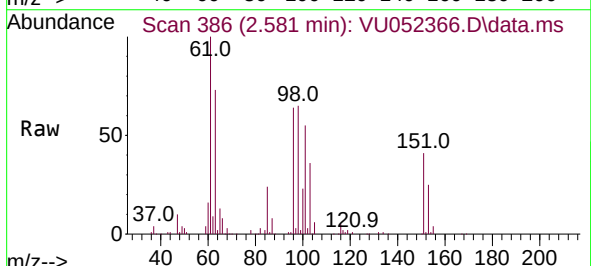
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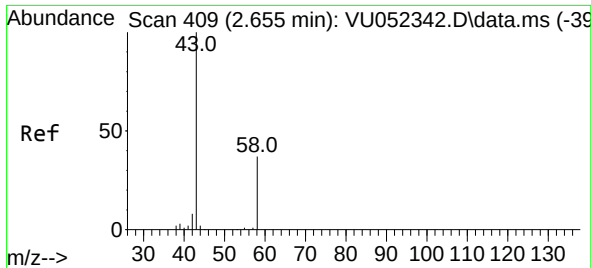
Tgt Ion:101 Resp: 96849
 Ion Ratio Lower Upper
 101 100
 85 44.1 33.8 50.6
 151 75.0 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 5.111 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

Tgt Ion: 96 Resp: 97296
 Ion Ratio Lower Upper
 96 100
 61 156.7 114.8 213.2
 63 114.2 93.7 174.1





#13

Acetone

Concen: 58.768 ug/L

RT: 2.652 min Scan# 409

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

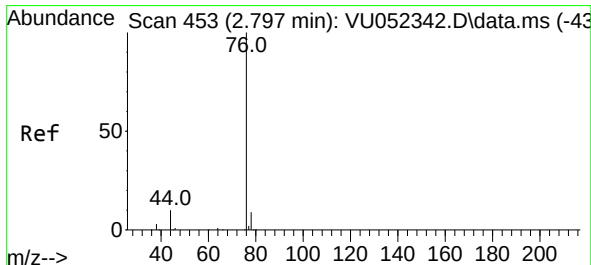
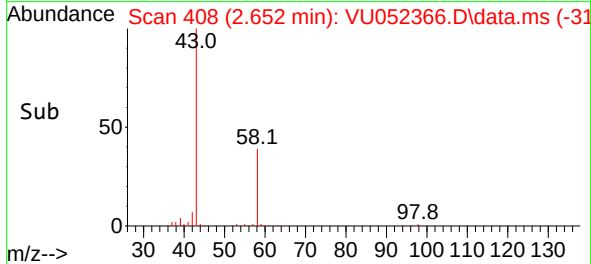
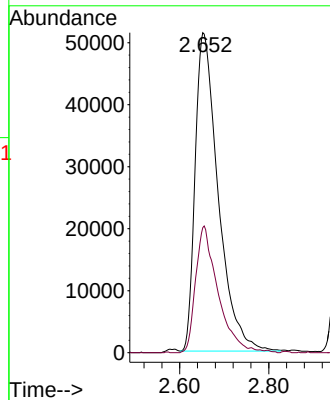
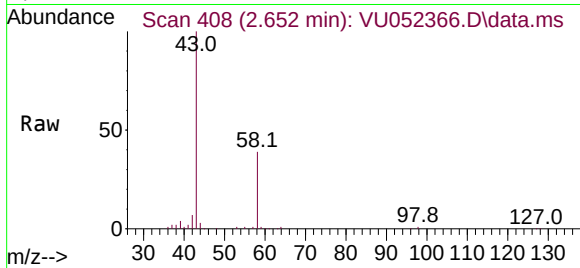
VSTD005104

Tgt Ion: 43 Resp: 184636

Ion Ratio Lower Upper

43 100

58 37.9 0.0 76.0



#14

Carbon disulfide

Concen: 4.841 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.000 min

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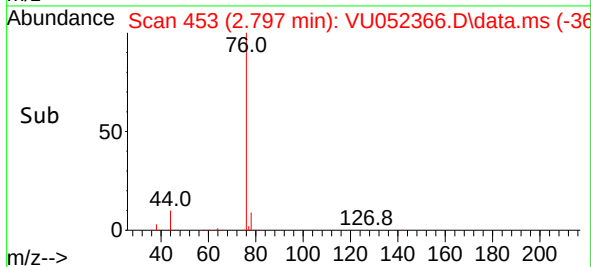
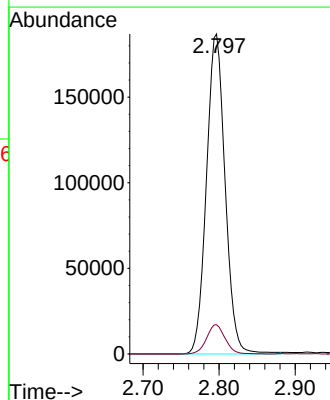
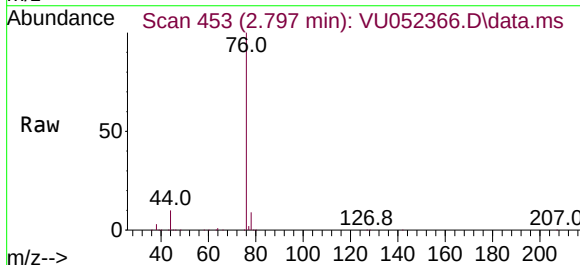
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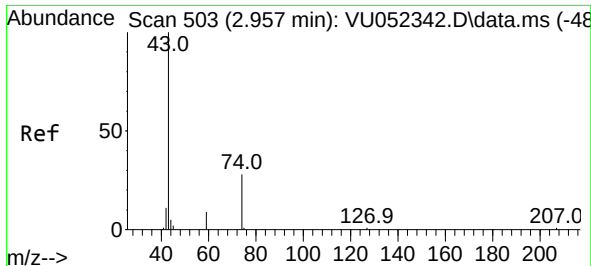
Tgt Ion: 76 Resp: 318990

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

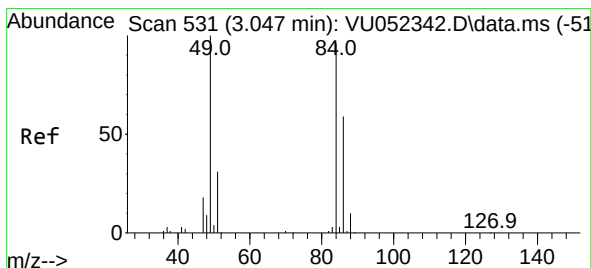
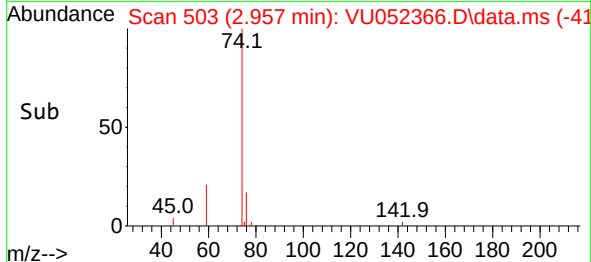
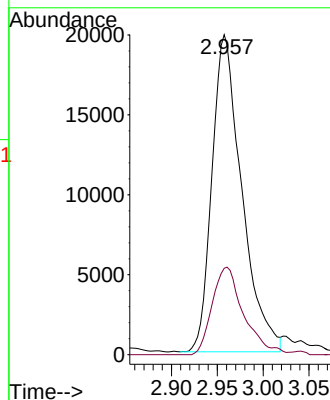
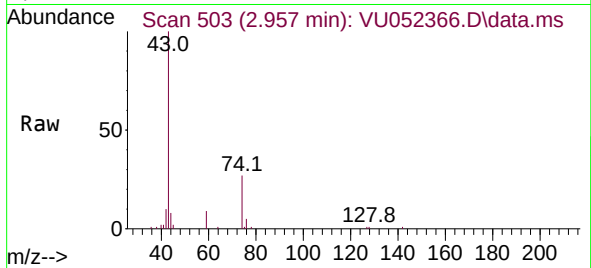




#15
Methyl Acetate
Concen: 5.498 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

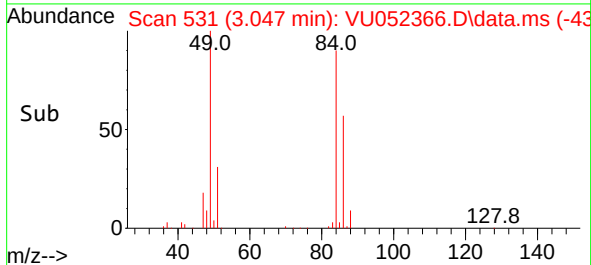
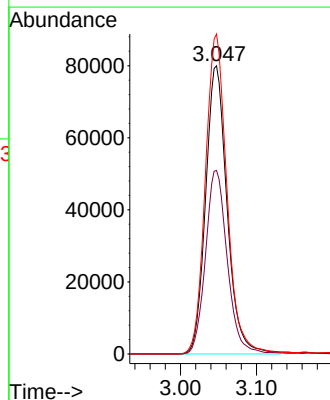
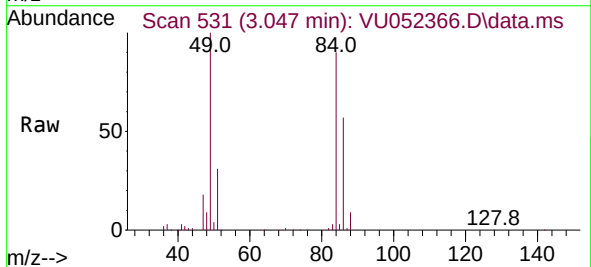
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

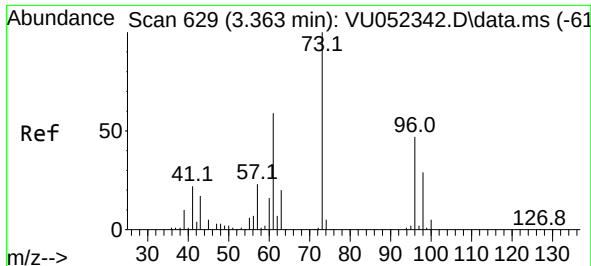
Tgt Ion: 43 Resp: 44804
Ion Ratio Lower Upper
43 100
74 29.2 21.3 31.9



#16
Methylene chloride
Concen: 6.086 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 84 Resp: 156727
Ion Ratio Lower Upper
84 100
86 63.7 43.8 81.4
49 111.1 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 5.162 ug/L

RT: 3.363 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

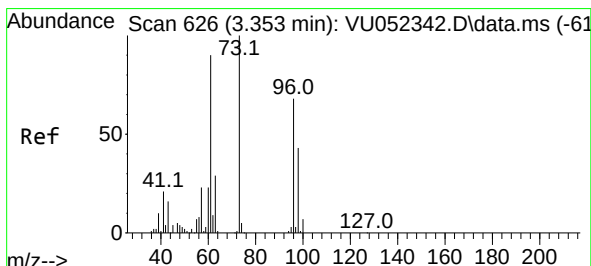
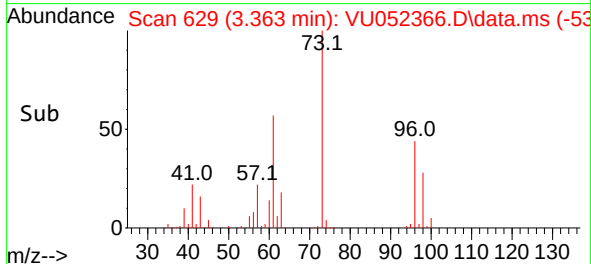
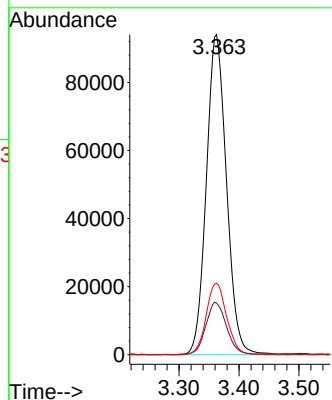
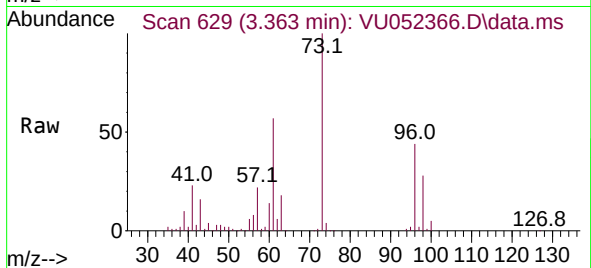
Tgt Ion: 73 Resp: 219969

Ion Ratio Lower Upper

73 100

43 17.0 13.2 19.8

57 22.7 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.052 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

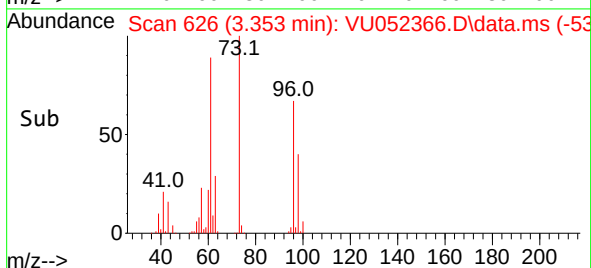
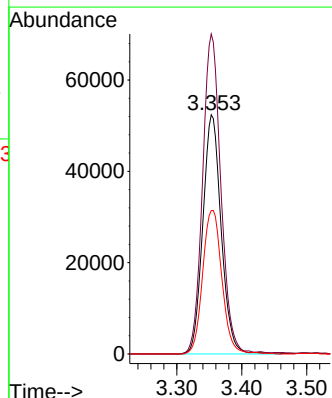
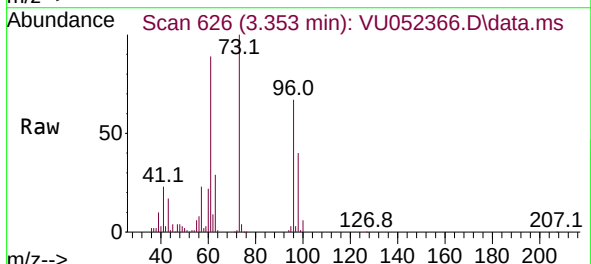
Tgt Ion: 96 Resp: 103087

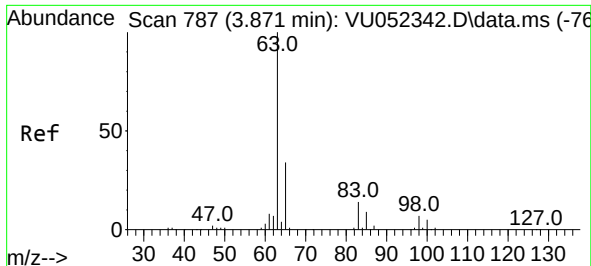
Ion Ratio Lower Upper

96 100

61 133.8 97.9 181.7

98 59.9 43.8 81.3

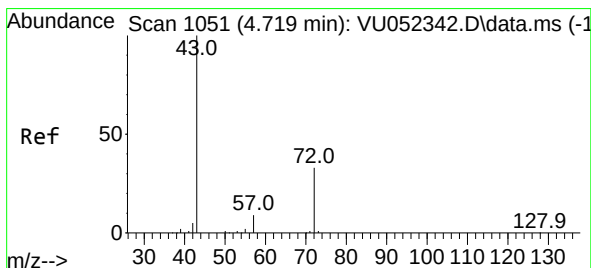
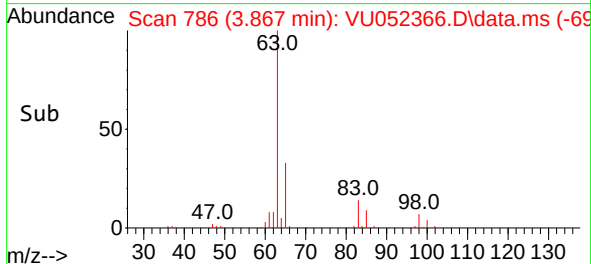
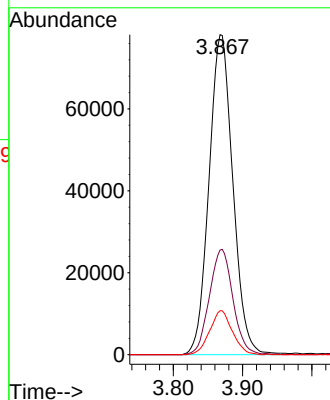
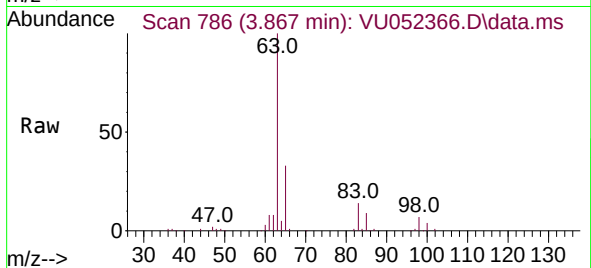




#19
1,1-Dichloroethane
Concen: 5.075 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

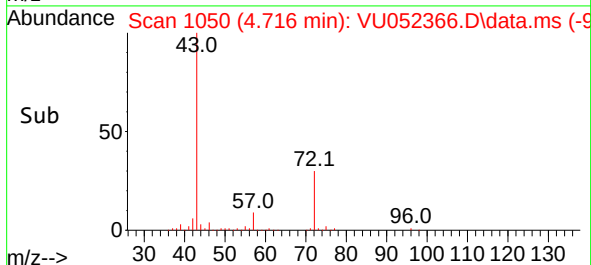
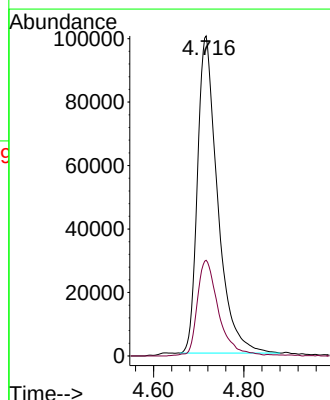
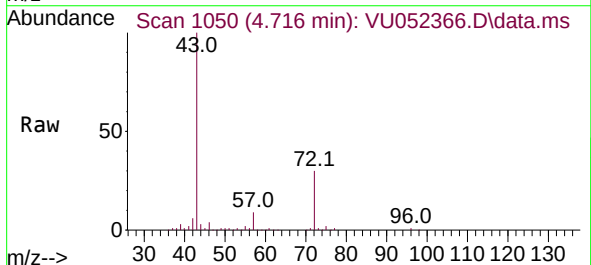
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

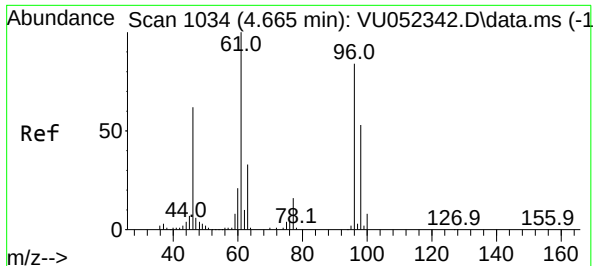
Tgt Ion: 63 Resp: 186659
Ion Ratio Lower Upper
63 100
65 32.7 22.2 41.2
83 13.7 9.2 17.0



#21
2-Butanone
Concen: 61.377 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 43 Resp: 309068
Ion Ratio Lower Upper
43 100
72 32.0 15.6 46.8



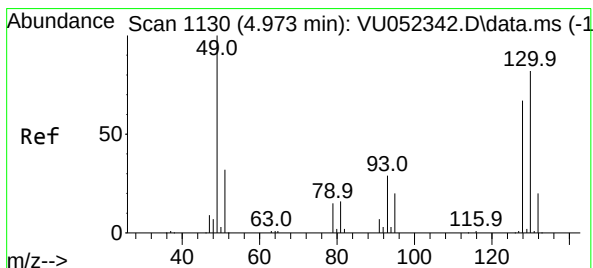
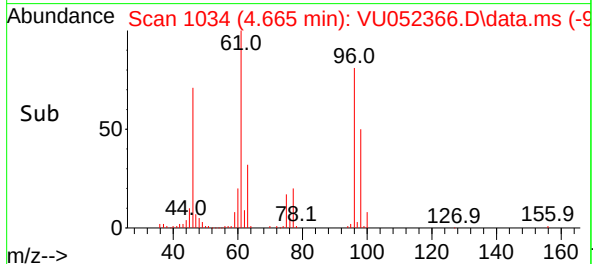
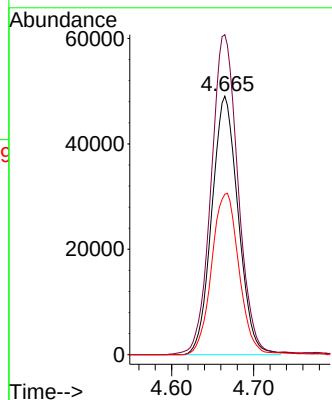
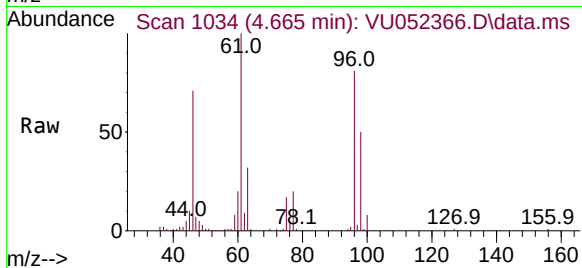


#22
 cis-1,2-Dichloroethene
 Concen: 5.127 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005104

Tgt Ion: 96 Resp: 109787

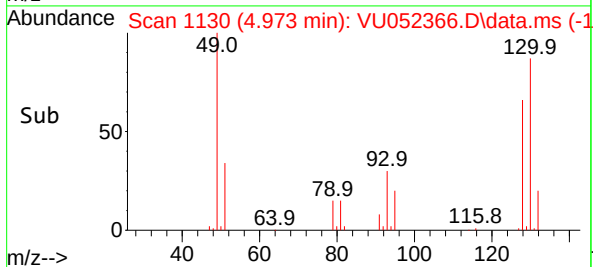
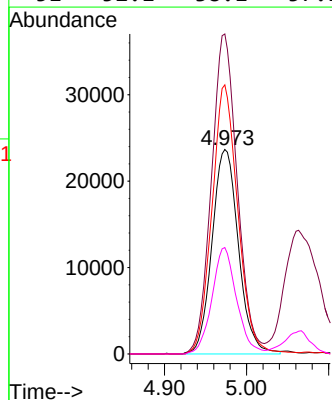
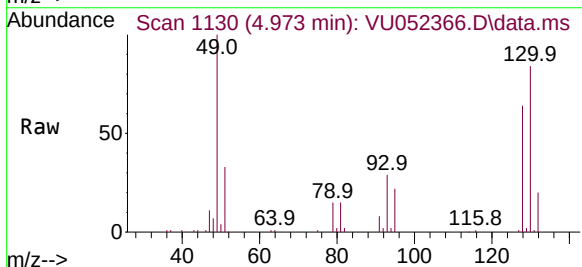
Ion	Ratio	Lower	Upper
96	100		
61	123.8	85.1	158.1
98	62.0	42.8	79.6

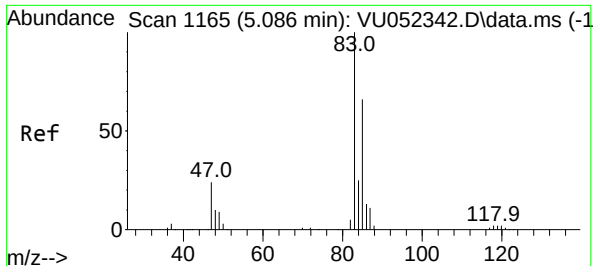


#23
 Bromochloromethane
 Concen: 5.169 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

Tgt Ion: 128 Resp: 52966

Ion	Ratio	Lower	Upper
128	100		
49	156.5	104.0	193.2
130	131.6	84.6	157.2
51	52.1	38.1	57.1





#25

Chloroform

Concen: 5.176 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

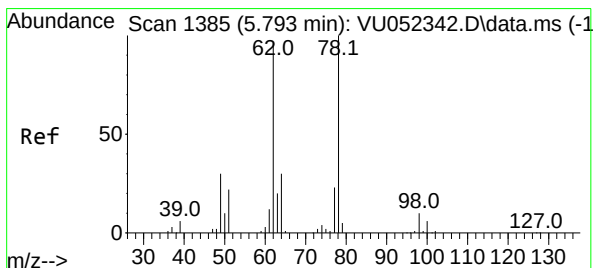
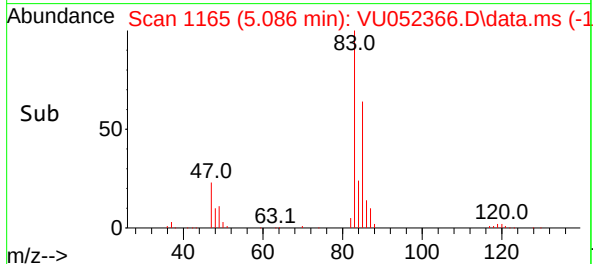
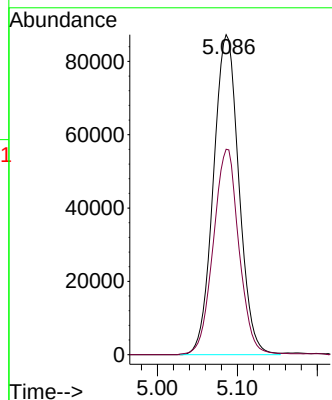
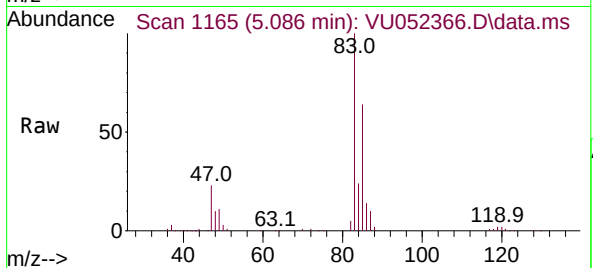
VSTD005104

Tgt Ion: 83 Resp: 192903

Ion Ratio Lower Upper

83 100

85 64.2 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.154 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052366.D

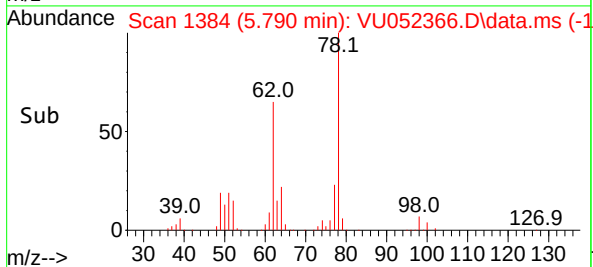
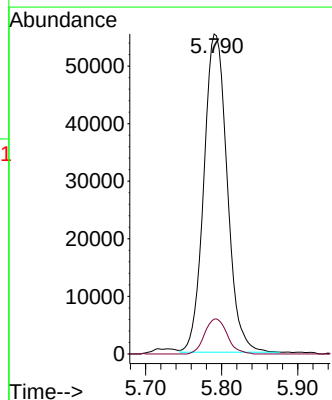
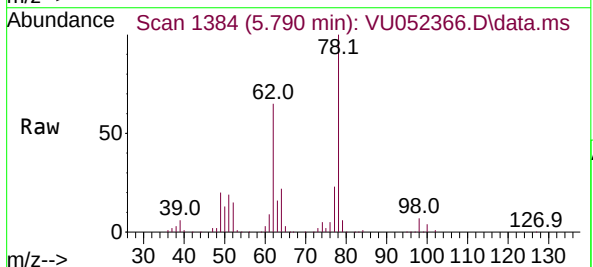
Acq: 12 Dec 2022 20:28

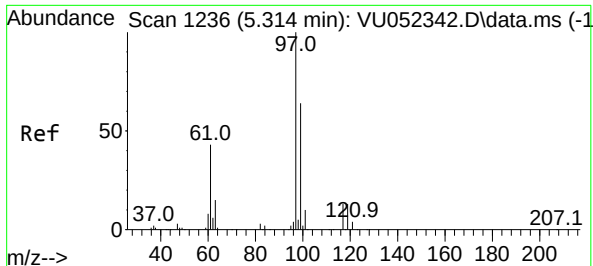
Tgt Ion: 62 Resp: 117628

Ion Ratio Lower Upper

62 100

98 10.9 8.4 12.6

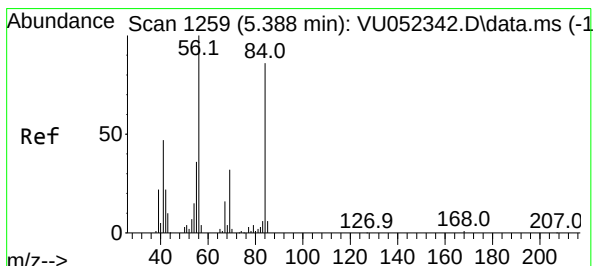
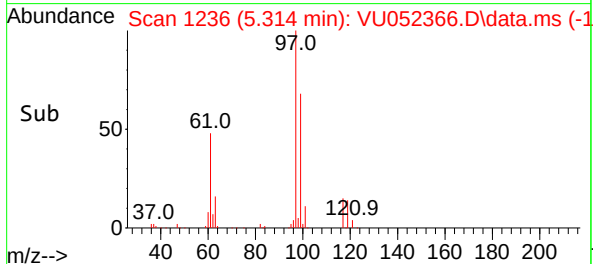
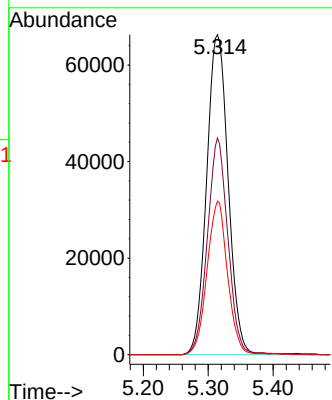
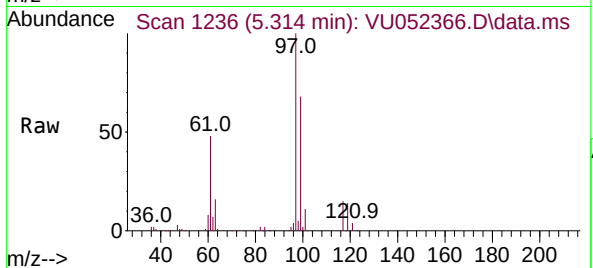




#29
1,1,1-Trichloroethane
Concen: 5.298 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

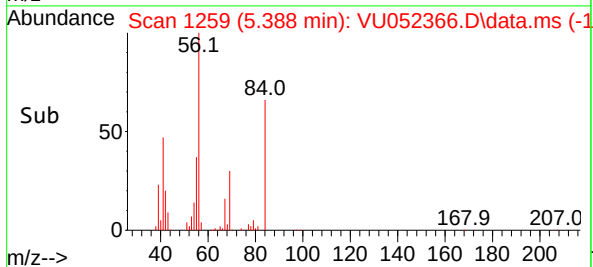
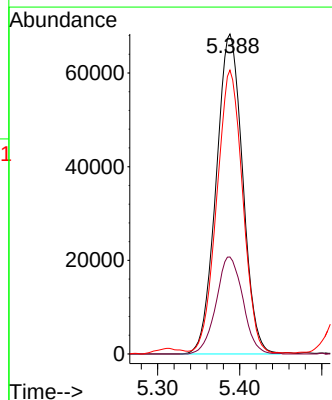
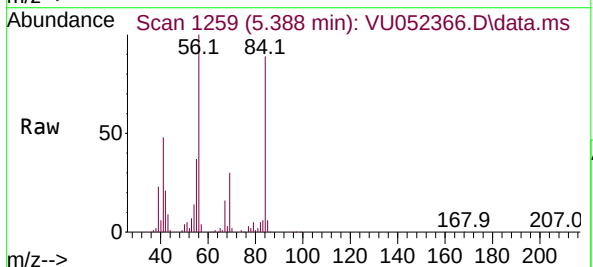
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

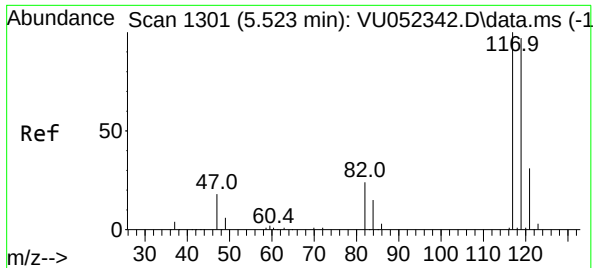
Tgt Ion: 97 Resp: 152922
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 45.5 36.9 55.3



#30
Cyclohexane
Concen: 5.479 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 56 Resp: 153571
Ion Ratio Lower Upper
56 100
69 30.5 25.6 38.4
84 87.3 72.0 108.0

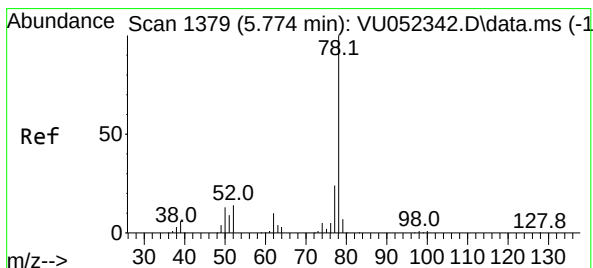
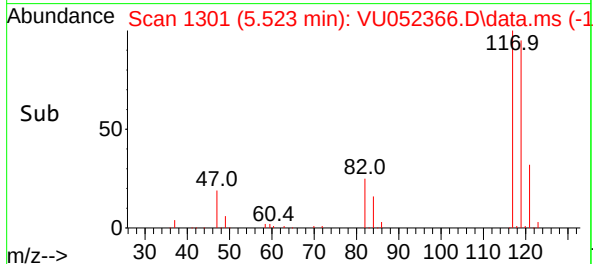
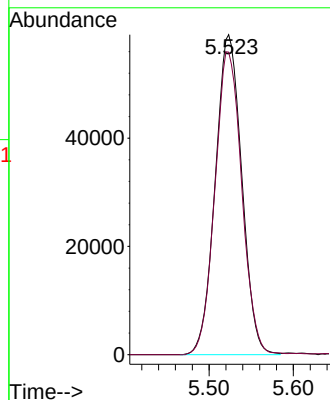
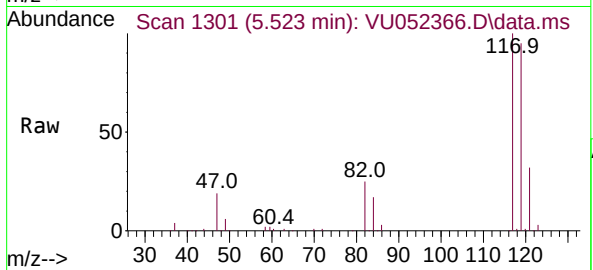




#31
Carbon tetrachloride
Concen: 5.255 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

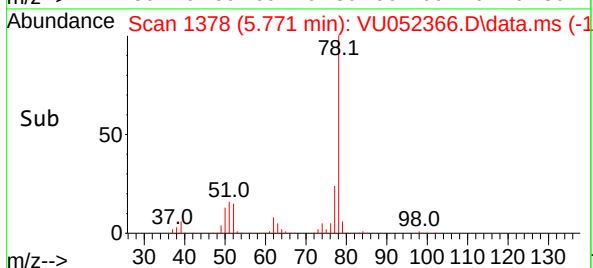
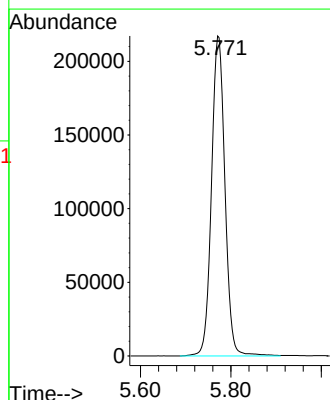
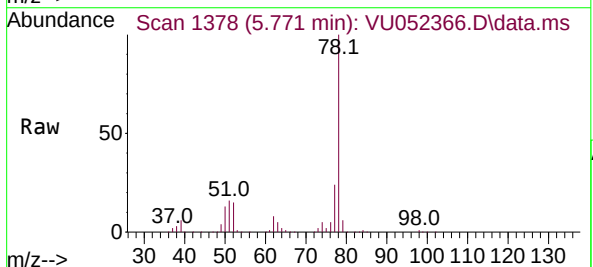
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

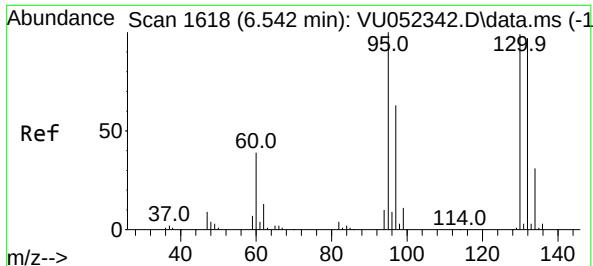
Tgt Ion:117 Resp: 128883
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8



#33
Benzene
Concen: 5.294 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 78 Resp: 448220

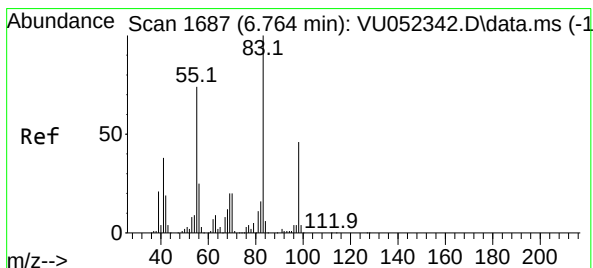
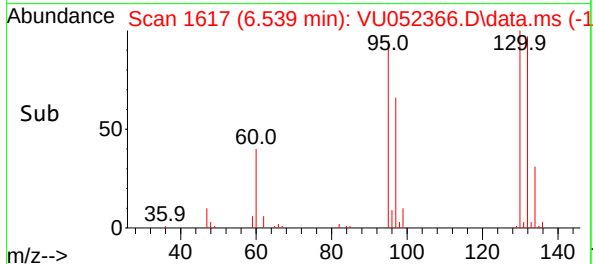
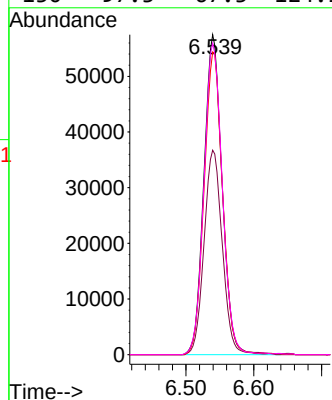
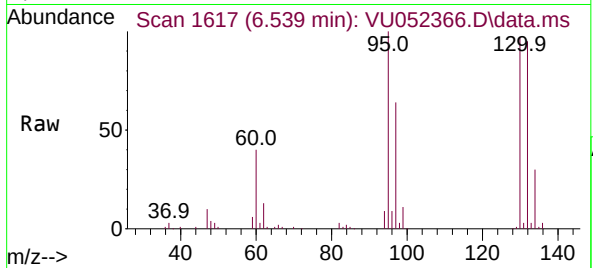




#34
Trichloroethene
Concen: 5.087 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

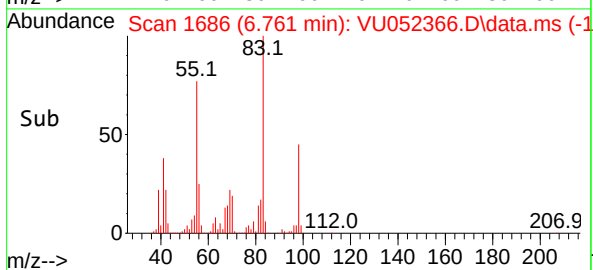
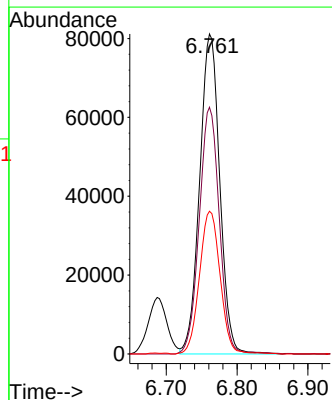
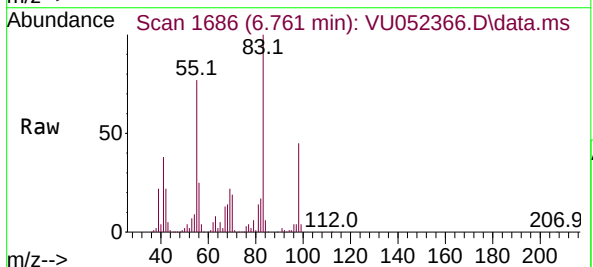
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

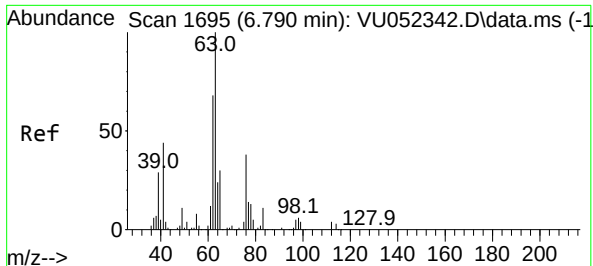
Tgt Ion: 95 Resp: 107431
Ion Ratio Lower Upper
95 100
97 63.9 43.7 81.1
132 94.6 64.3 119.3
130 97.3 67.3 124.9



#35
Methylcyclohexane
Concen: 5.272 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 83 Resp: 160172
Ion Ratio Lower Upper
83 100
55 76.5 60.8 91.2
98 45.6 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.336 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

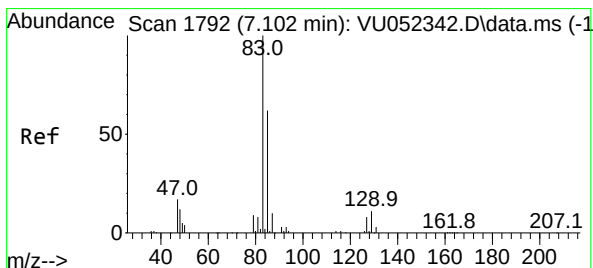
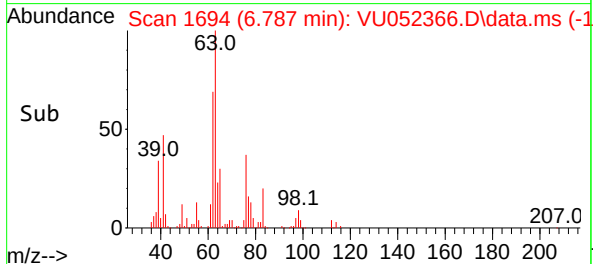
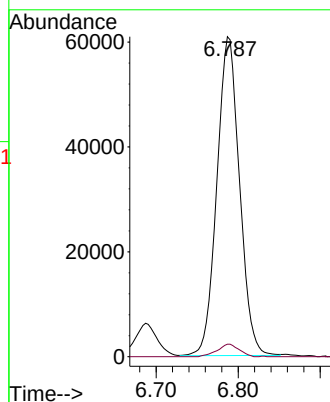
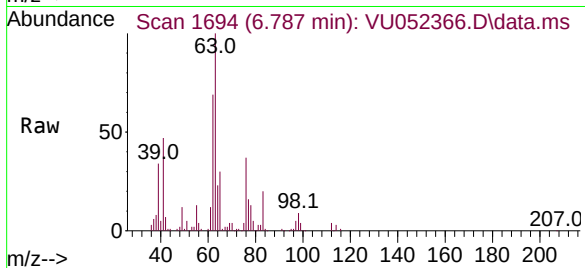
VSTD005104

Tgt Ion: 63 Resp: 116978

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 5.173 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

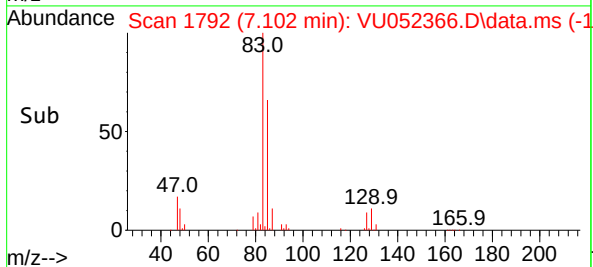
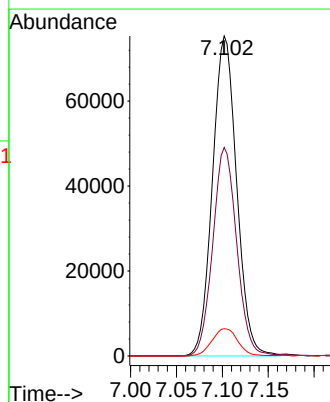
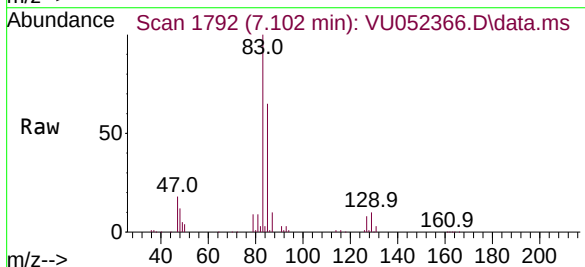
Tgt Ion: 83 Resp: 138263

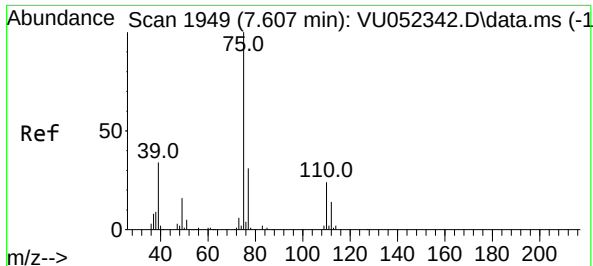
Ion Ratio Lower Upper

83 100

85 65.2 43.5 80.9

127 8.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.931 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

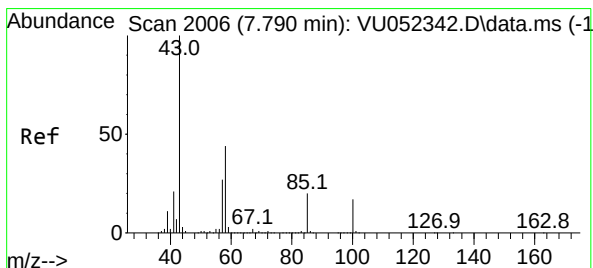
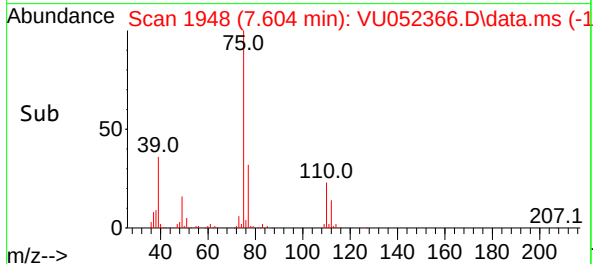
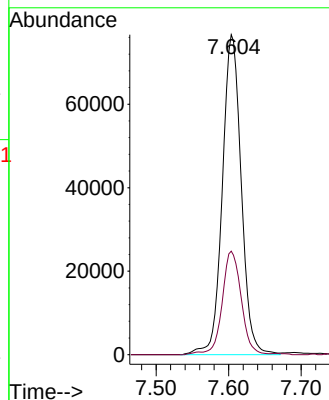
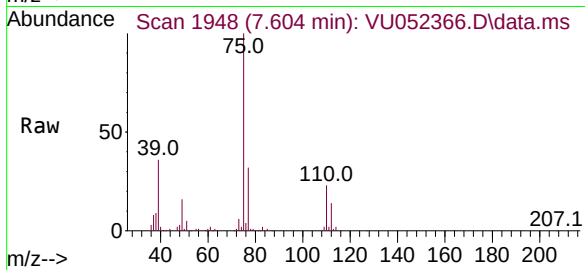
VSTD005104

Tgt Ion: 75 Resp: 138785

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 61.506 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

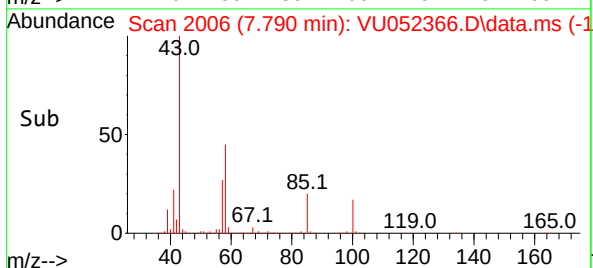
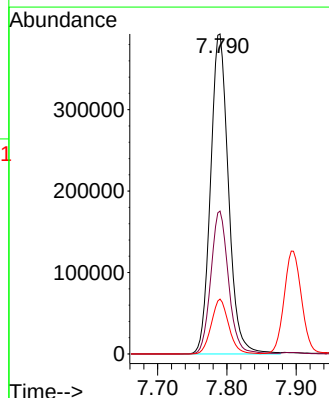
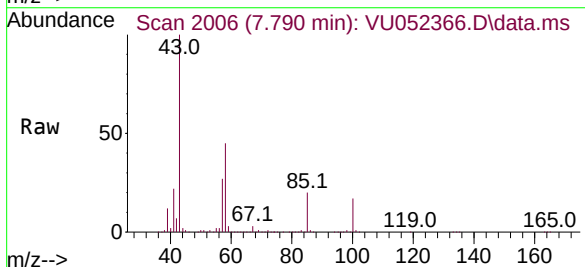
Tgt Ion: 43 Resp: 704340

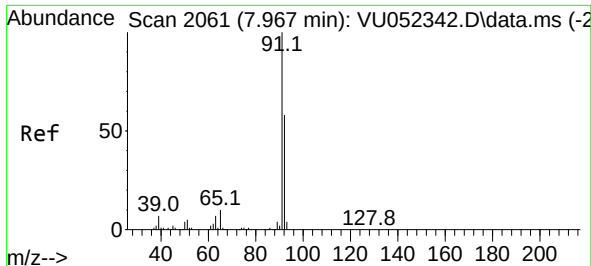
Ion Ratio Lower Upper

43 100

58 44.1 35.3 52.9

100 16.7 13.6 20.4





#42

Toluene

Concen: 5.432 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

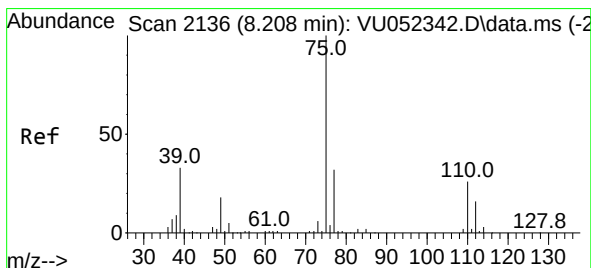
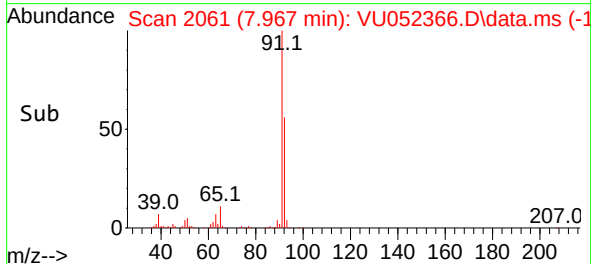
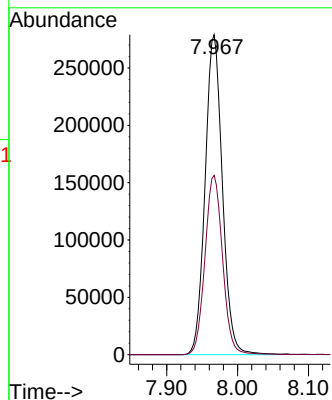
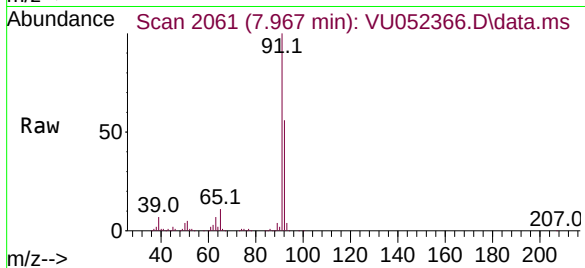
VSTD005104

Tgt Ion: 91 Resp: 473064

Ion Ratio Lower Upper

91 100

92 56.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.054 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052366.D

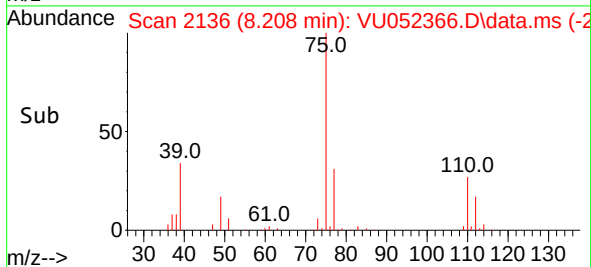
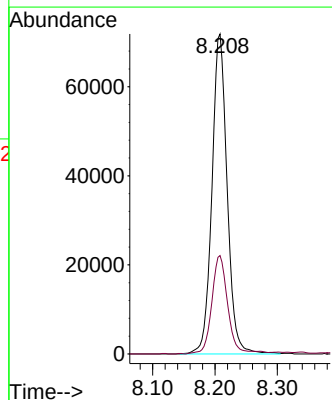
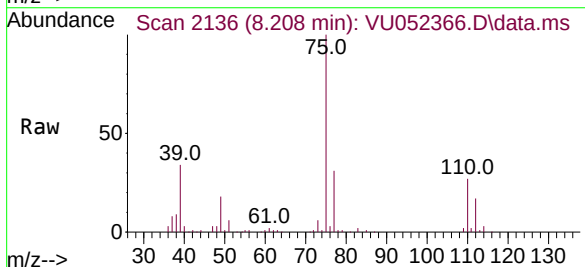
Acq: 12 Dec 2022 20:28

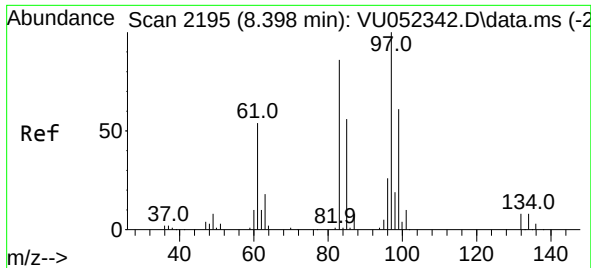
Tgt Ion: 75 Resp: 121819

Ion Ratio Lower Upper

75 100

77 30.8 22.6 42.0

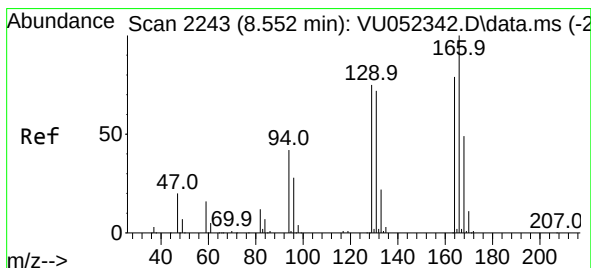
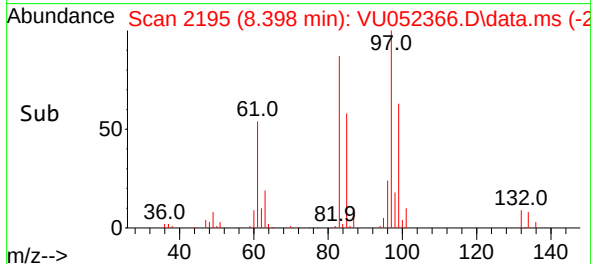
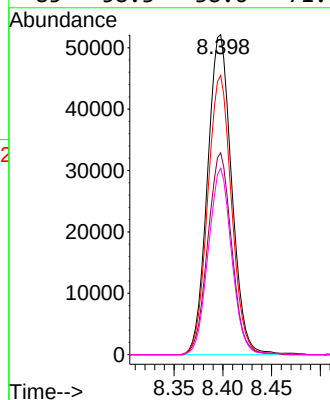
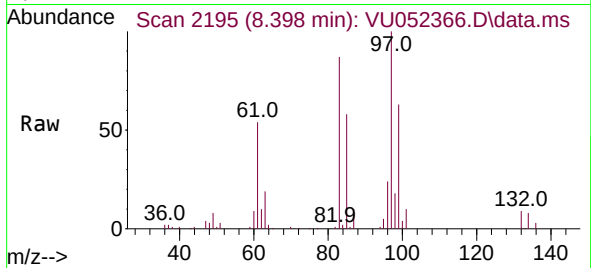




#45
1,1,2-Trichloroethane
Concen: 5.468 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

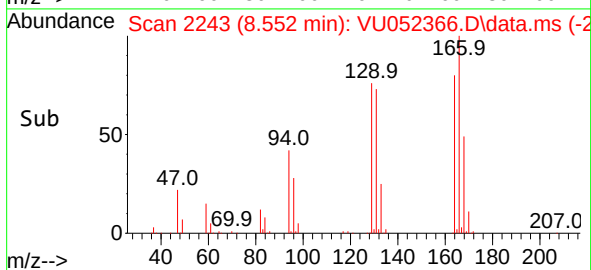
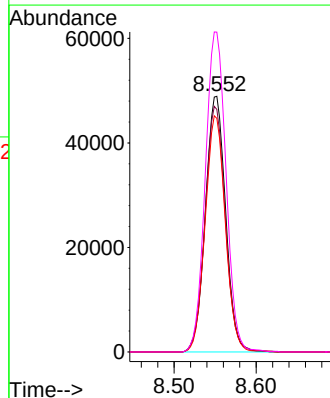
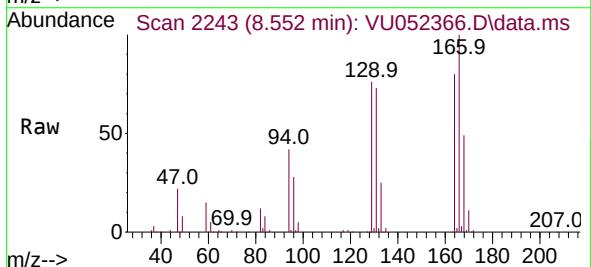
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

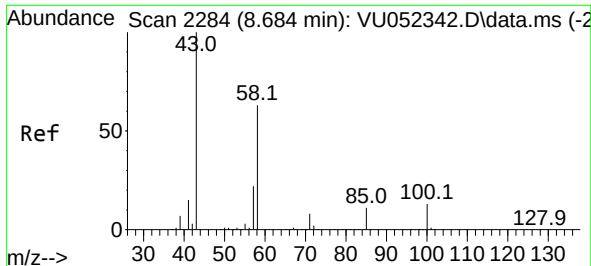
Tgt Ion: 97	Resp: 90076
Ion Ratio	Lower Upper
97 100	
99 63.1	42.6 79.2
83 87.3	60.7 112.7
85 58.3	38.6 71.6



#47
Tetrachloroethene
Concen: 5.182 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt	Ion:164	Resp:	83876
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.4	125.2
131	91.4	67.1	124.7
166	125.1	89.7	166.5

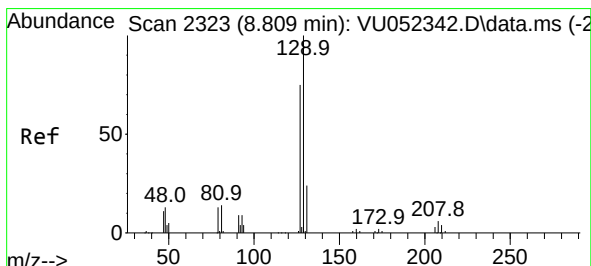
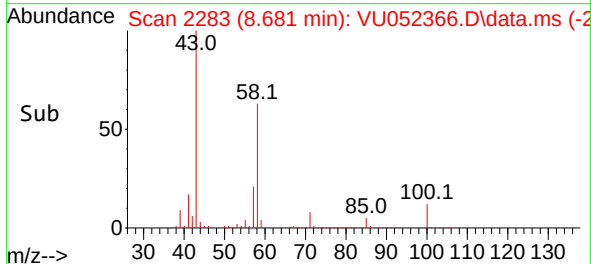
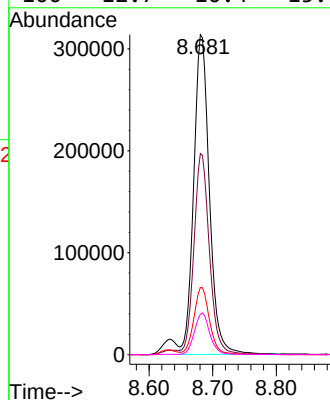
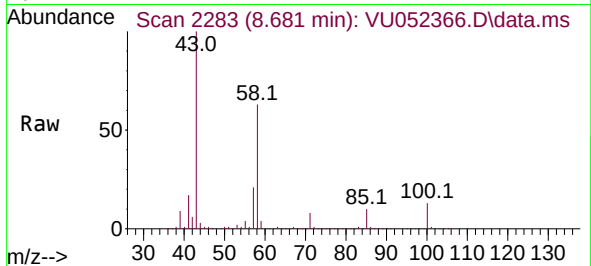




#48
2-Hexanone
Concen: 63.831 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

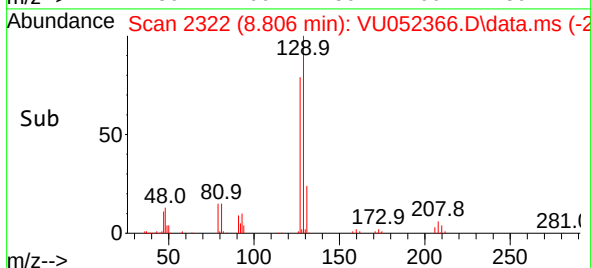
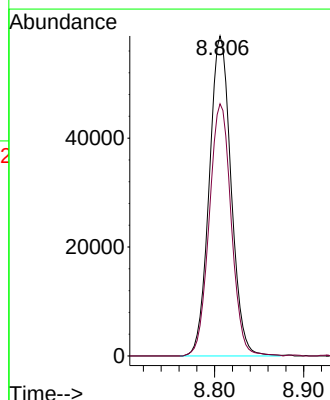
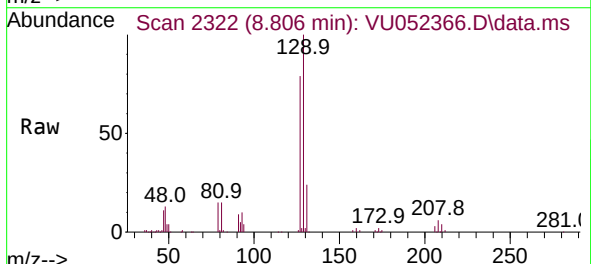
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

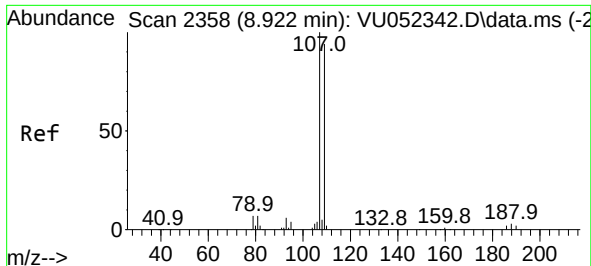
Tgt Ion: 43 Resp: 535878
Ion Ratio Lower Upper
43 100
58 61.2 49.4 74.0
57 21.1 16.3 24.5
100 12.7 10.4 15.6



#49
Dibromochloromethane
Concen: 5.416 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 129 Resp: 99938
Ion Ratio Lower Upper
129 100
127 78.8 52.8 98.2

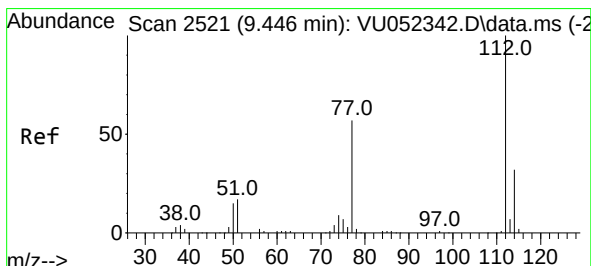
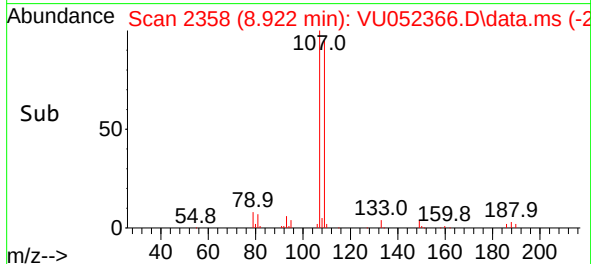
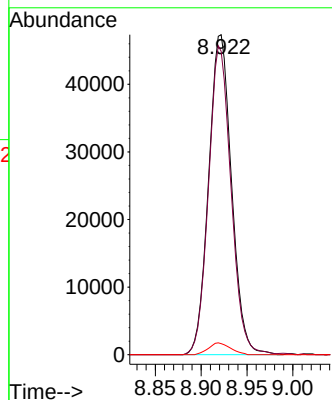
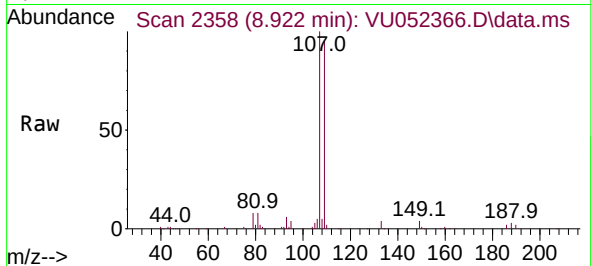




#50
1,2-Dibromoethane
Concen: 5.480 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

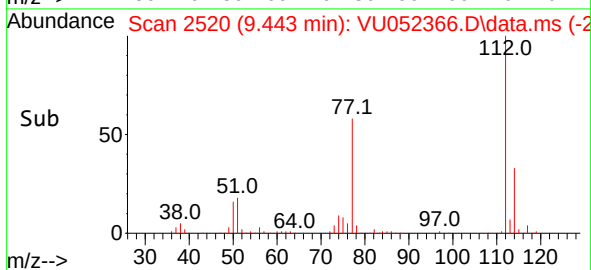
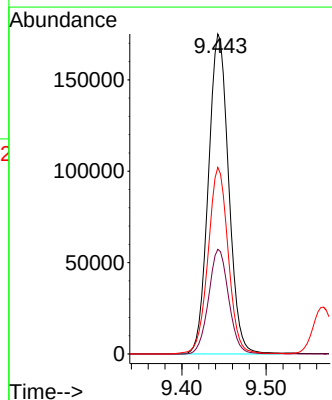
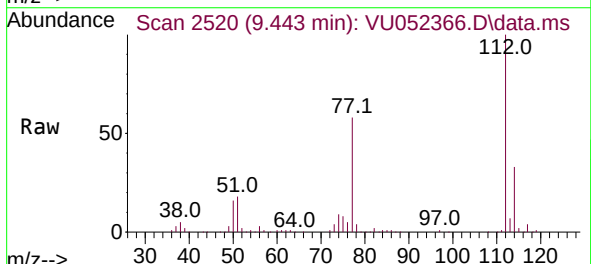
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

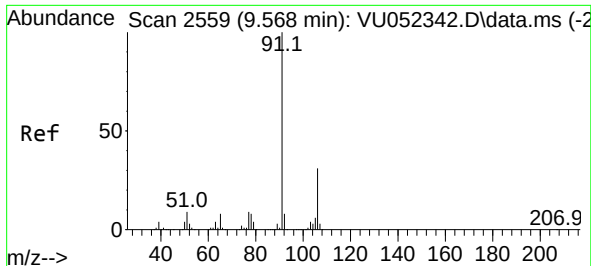
Tgt Ion:107 Resp: 82237
Ion Ratio Lower Upper
107 100
109 94.8 64.9 120.5
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 5.273 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion:112 Resp: 292808
Ion Ratio Lower Upper
112 100
114 32.7 22.2 41.2
77 58.3 46.6 70.0

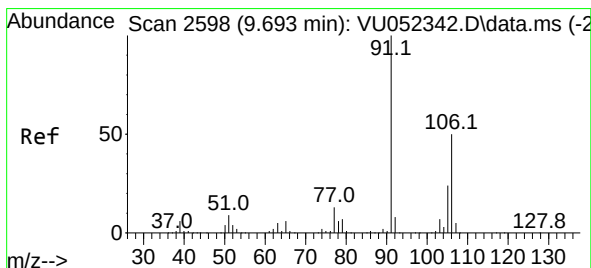
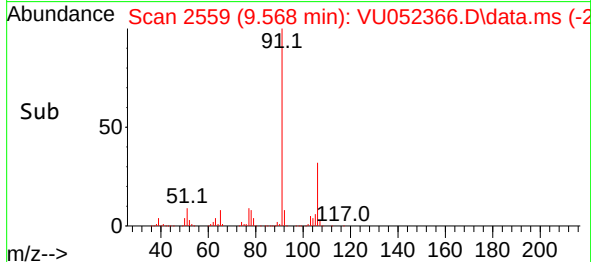
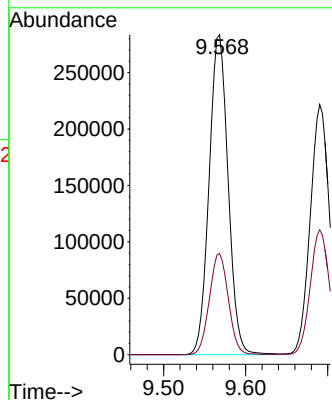
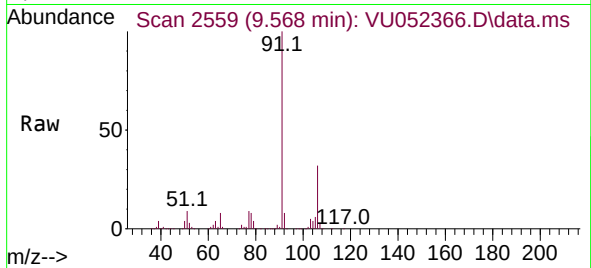




#52
Ethylbenzene
Concen: 5.399 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

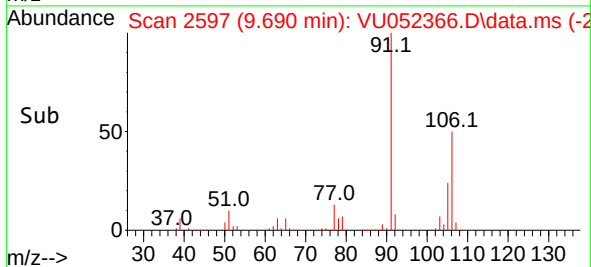
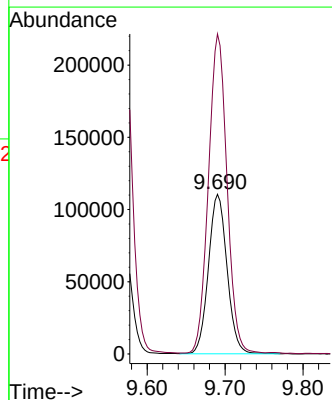
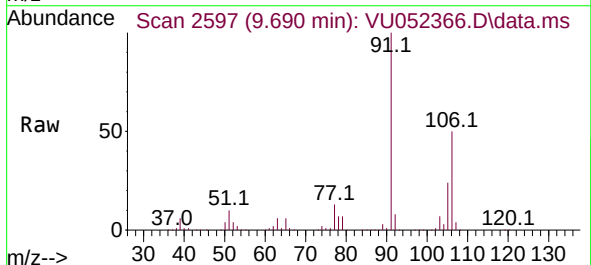
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

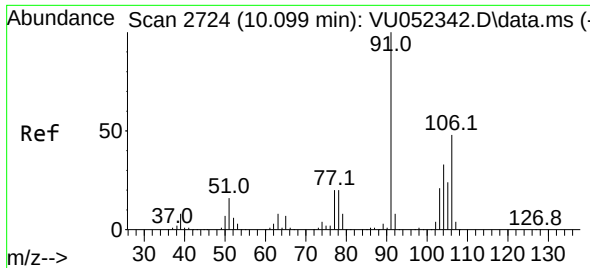
Tgt Ion: 91 Resp: 457118
Ion Ratio Lower Upper
91 100
106 31.7 22.3 41.3



#53
m,p-Xylene
Concen: 5.592 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 106 Resp: 183356
Ion Ratio Lower Upper
106 100
91 200.4 137.7 255.7

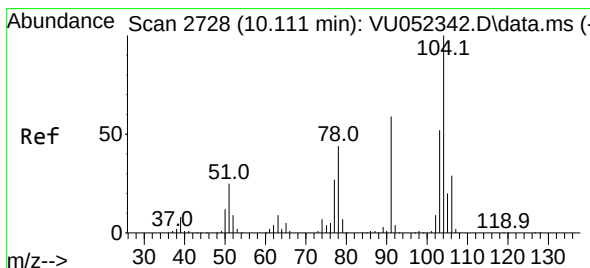
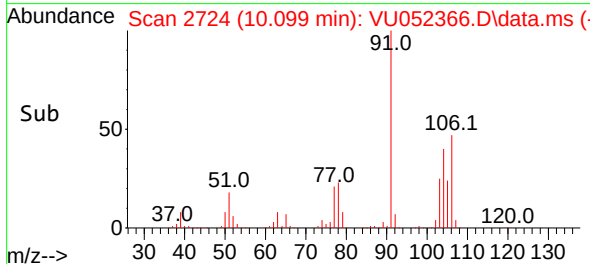
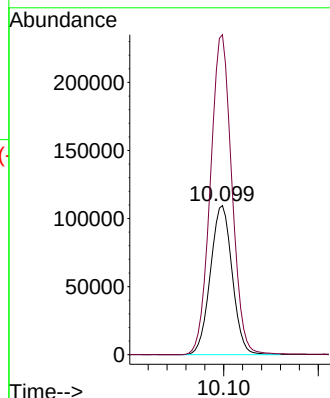
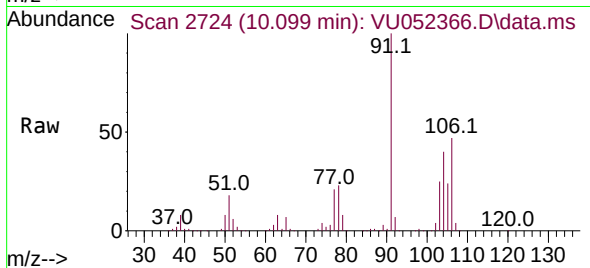




#54
o-Xylene
Concen: 5.583 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

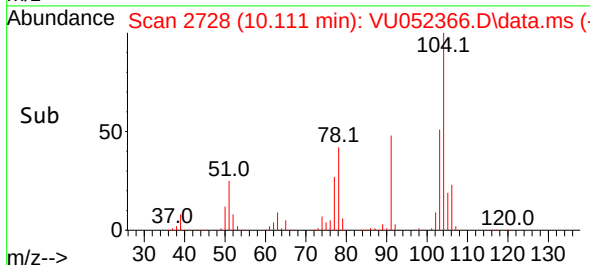
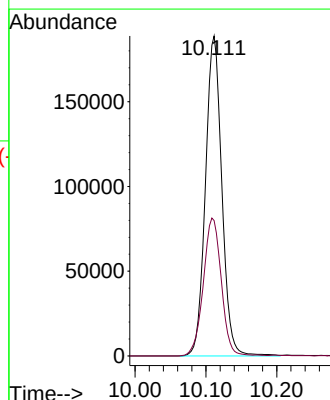
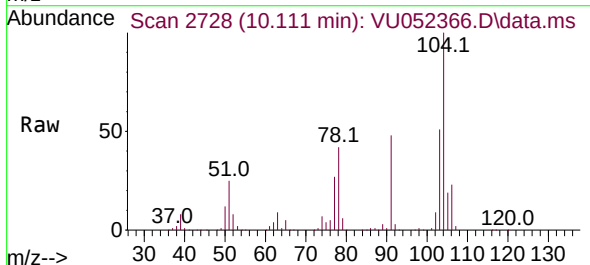
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

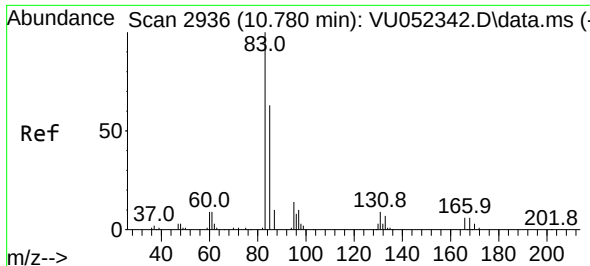
Tgt Ion:106 Resp: 175449
Ion Ratio Lower Upper
106 100
91 214.6 151.5 281.5



#55
Styrene
Concen: 5.721 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion:104 Resp: 303661
Ion Ratio Lower Upper
104 100
78 42.3 30.6 56.8

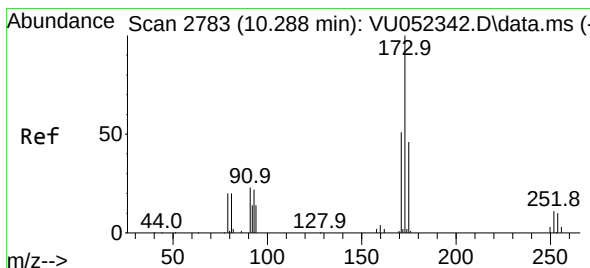
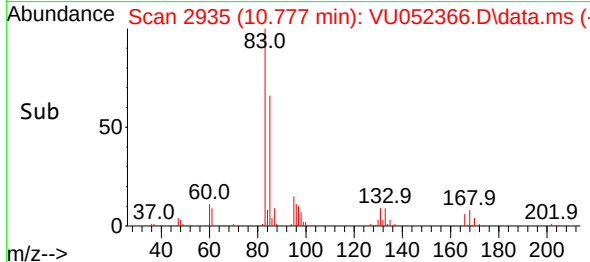
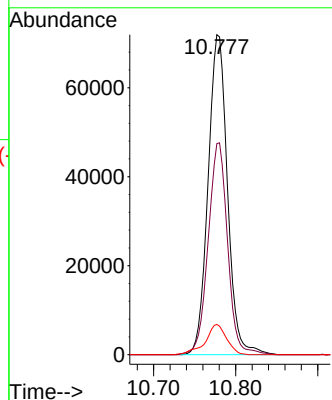
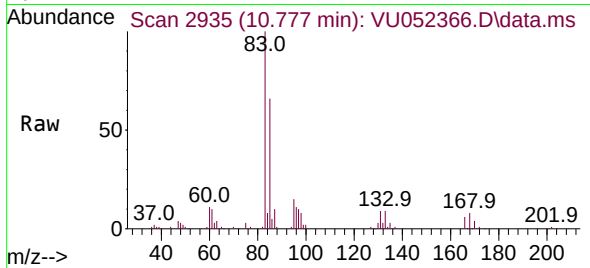




#57
1,1,2,2-Tetrachloroethane
Concen: 5.739 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

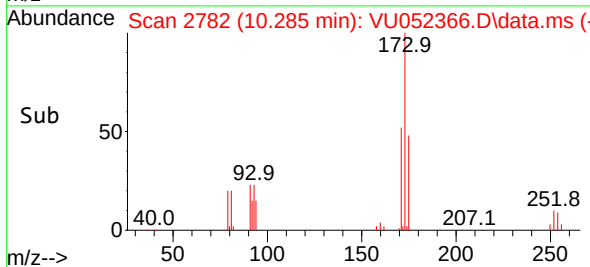
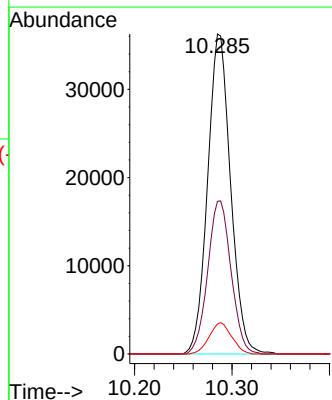
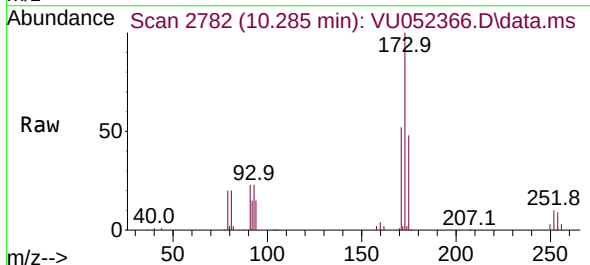
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

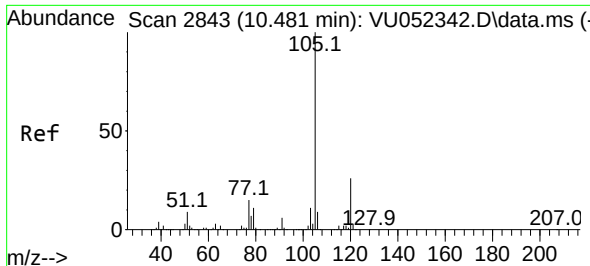
Tgt Ion: 83 Resp: 118083
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9
131 9.4 7.6 11.4



#59
Bromoform
Concen: 5.052 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion:173 Resp: 59412
Ion Ratio Lower Upper
173 100
175 48.5 37.2 55.8
254 9.6 7.0 10.6

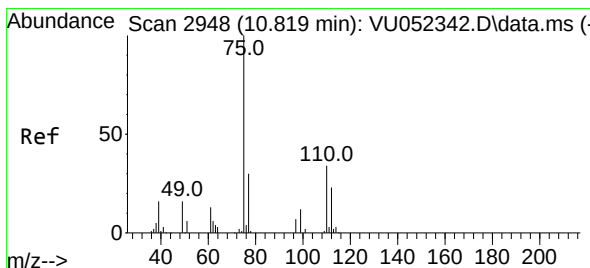
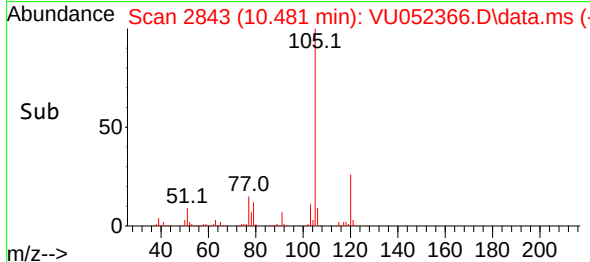
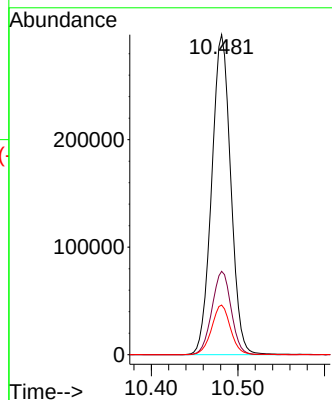
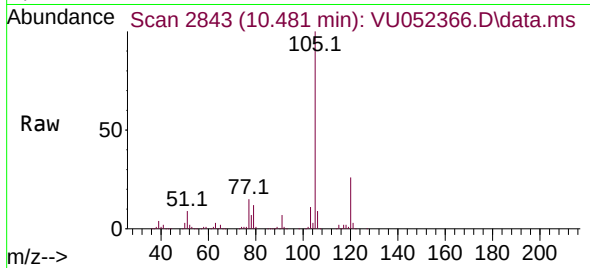




#60
Isopropylbenzene
Concen: 5.077 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

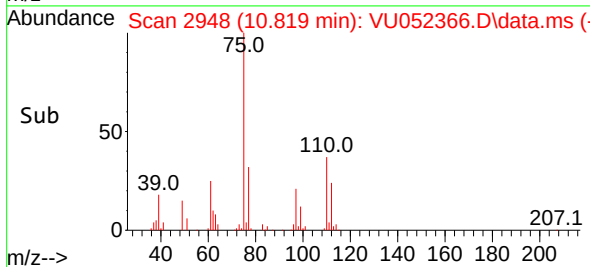
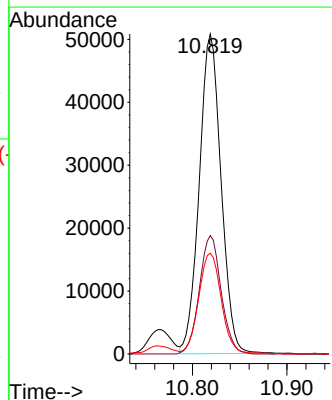
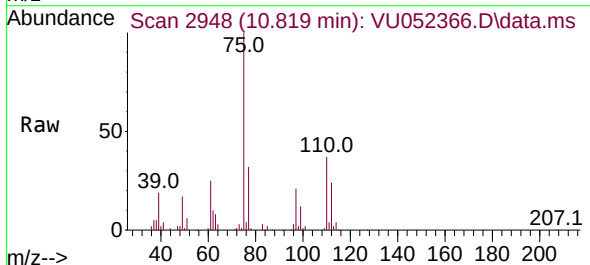
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

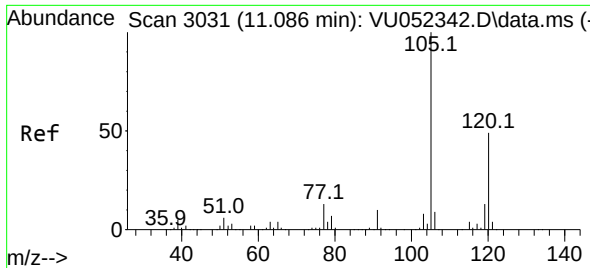
Tgt Ion:105 Resp: 455363
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.4 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.980 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052366.D
Acq: 12 Dec 2022 20:28

Tgt Ion: 75 Resp: 81383
Ion Ratio Lower Upper
75 100
110 37.0 28.3 42.5
77 32.8 26.2 39.2

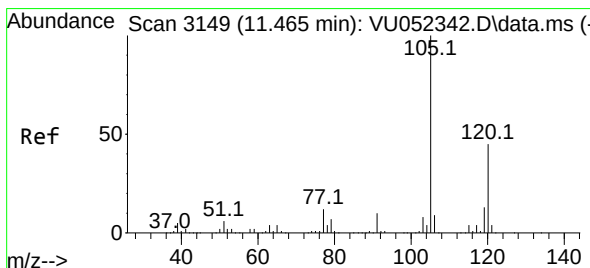
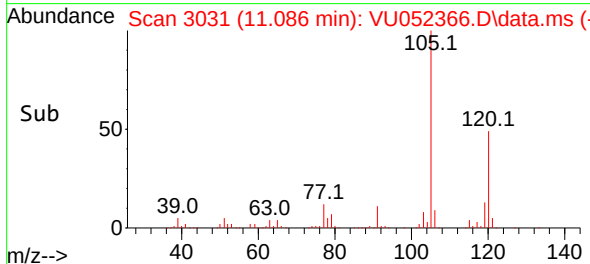
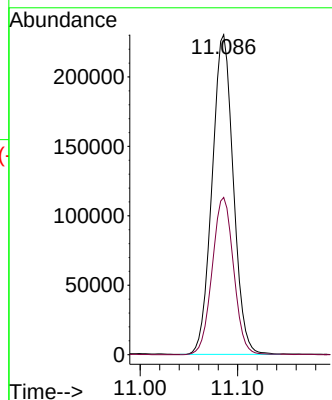
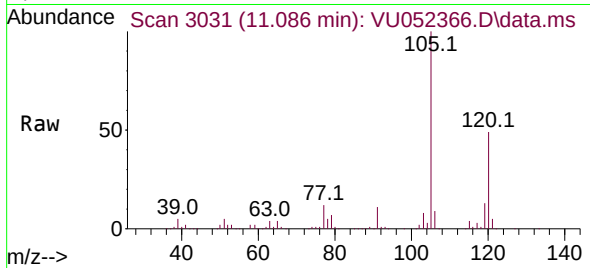




#62
 1,3,5-Trimethylbenzene
 Concen: 4.858 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

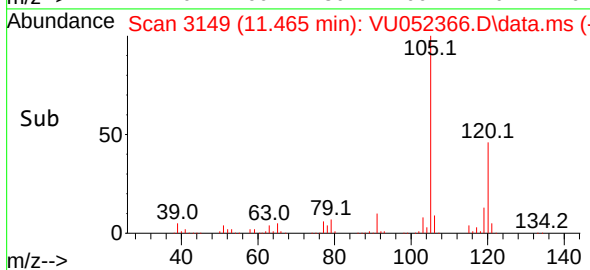
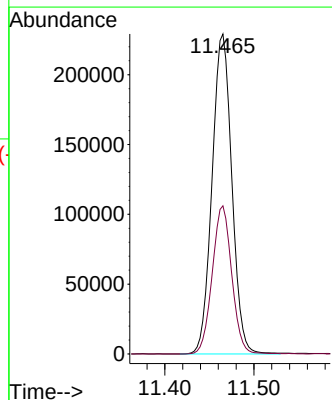
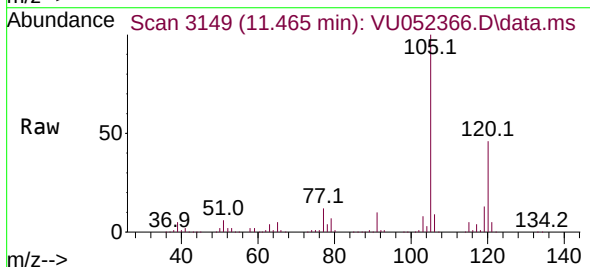
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005104

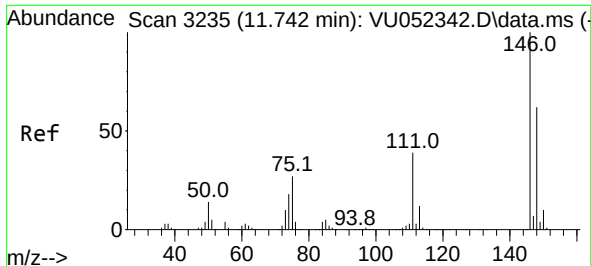
Tgt Ion:105 Resp: 348297
 Ion Ratio Lower Upper
 105 100
 120 49.7 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.960 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

Tgt Ion:105 Resp: 353017
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.6 55.0

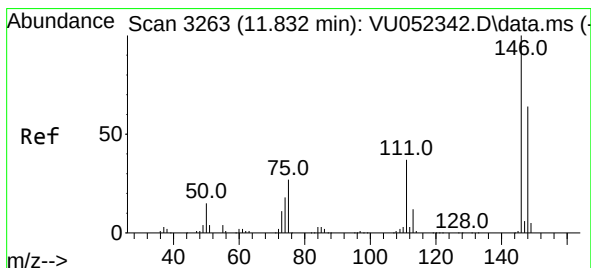
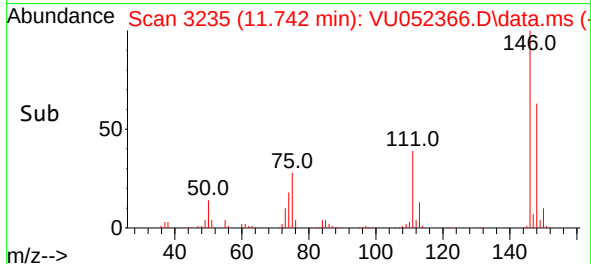
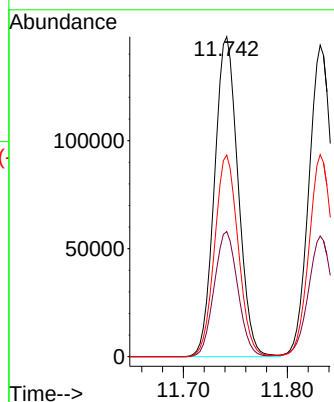
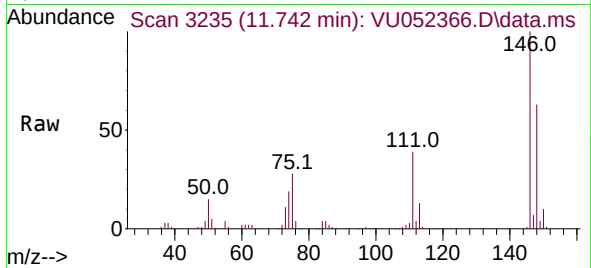




#64
 1,3-Dichlorobenzene
 Concen: 5.103 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

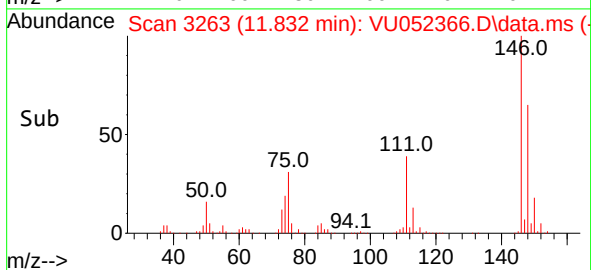
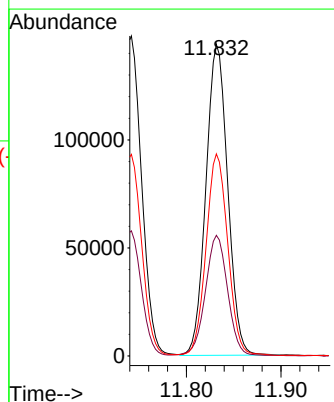
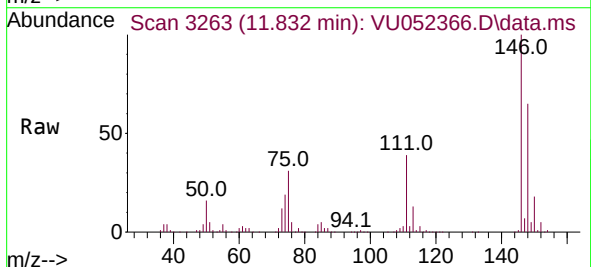
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005104

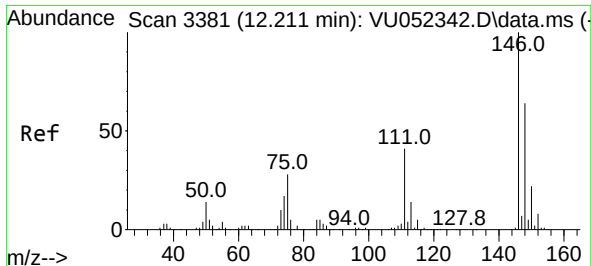
Tgt Ion:146 Resp: 233684
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.6 53.2
 148 63.0 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 5.036 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU052366.D
 Acq: 12 Dec 2022 20:28

Tgt Ion:146 Resp: 230030
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.9 50.1
 148 64.9 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.042 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

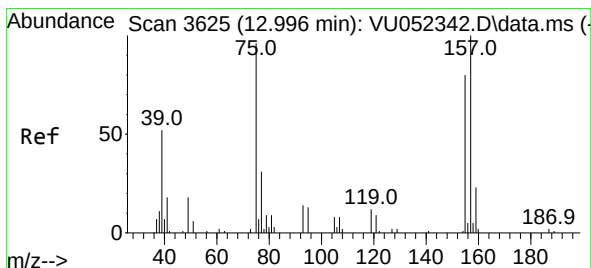
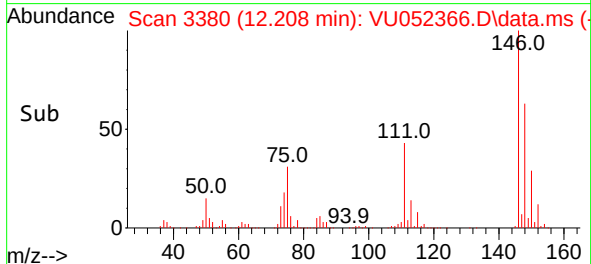
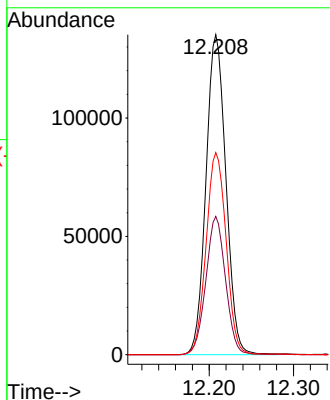
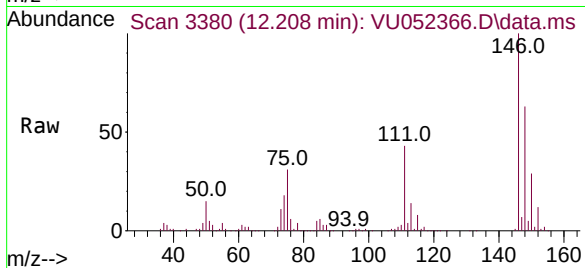
Tgt Ion:146 Resp: 222361

Ion Ratio Lower Upper

146 100

111 43.2 32.7 49.1

148 63.2 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.190 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

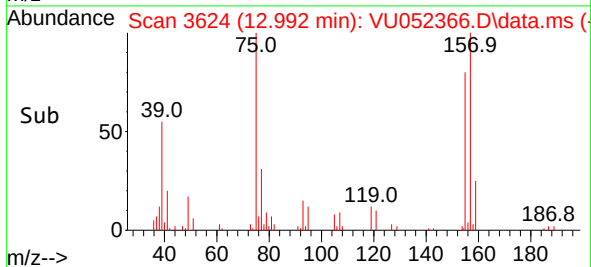
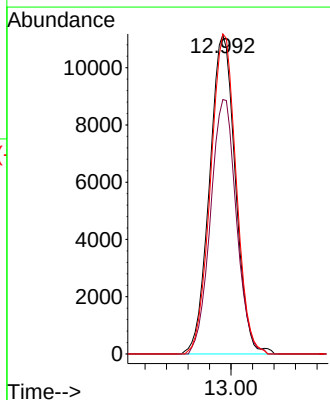
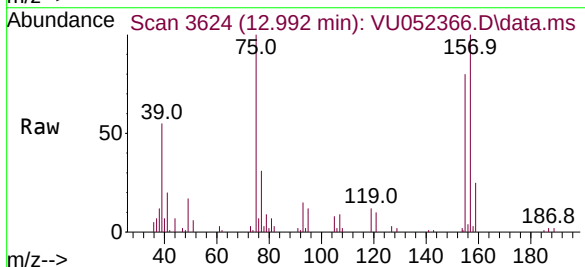
Tgt Ion: 75 Resp: 18561

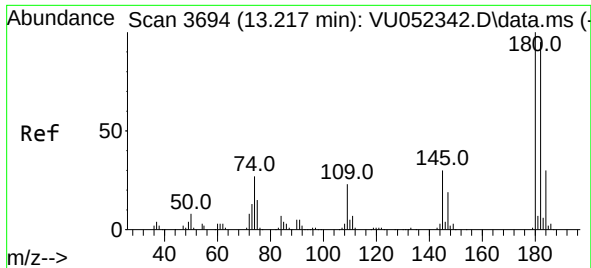
Ion Ratio Lower Upper

75 100

155 79.7 65.4 98.2

157 100.3 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 5.121 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

Tgt Ion:180 Resp: 166282

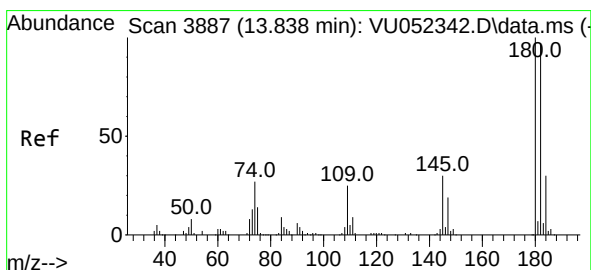
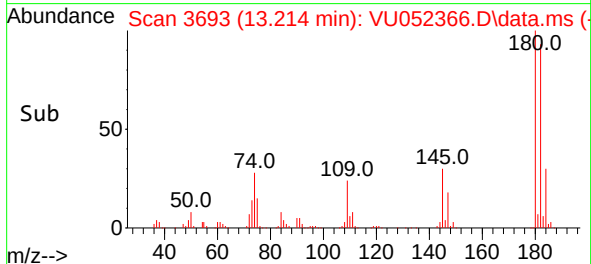
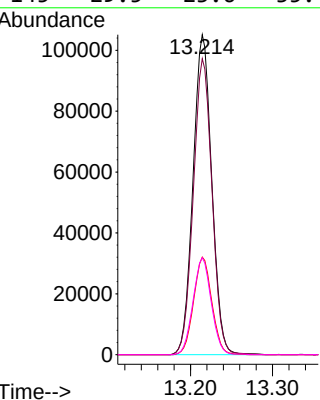
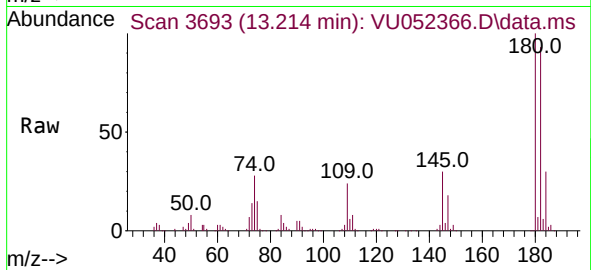
Ion Ratio Lower Upper

180 100

182 92.5 75.7 113.5

184 29.7 24.3 36.5

145 29.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 5.384 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

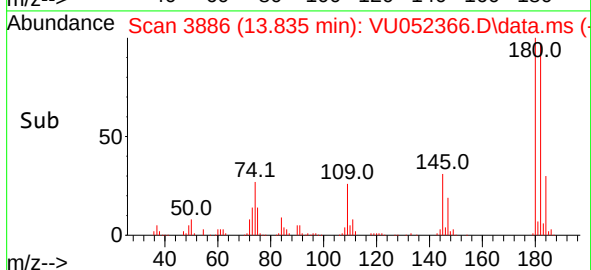
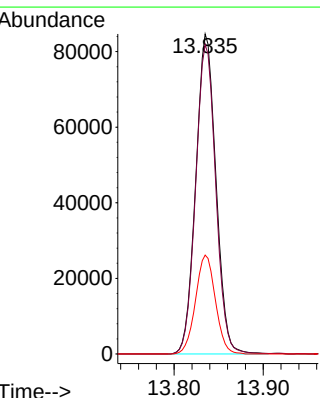
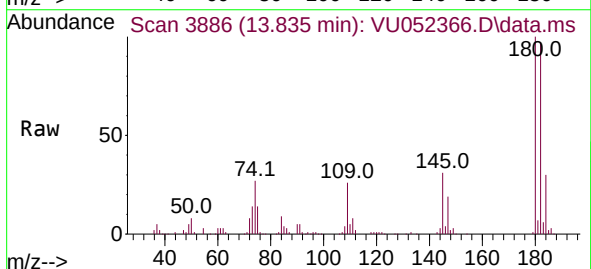
Tgt Ion:180 Resp: 133150

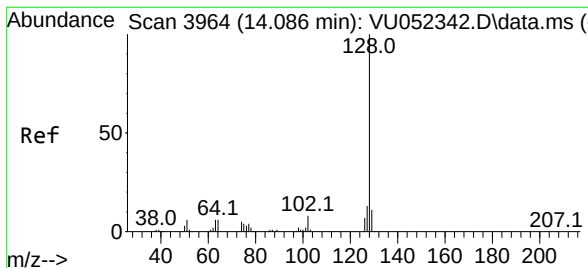
Ion Ratio Lower Upper

180 100

182 96.0 76.3 114.5

145 30.4 24.6 36.8





#71

Naphthalene

Concen: 5.222 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

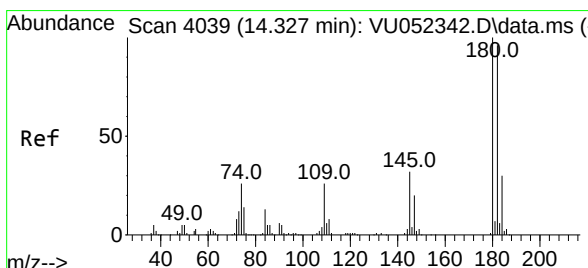
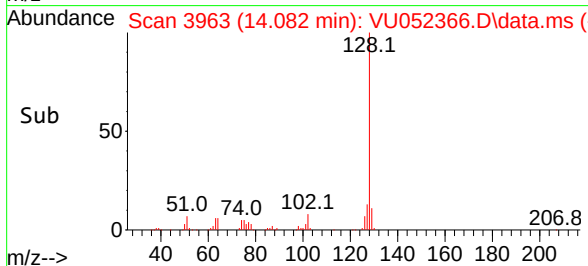
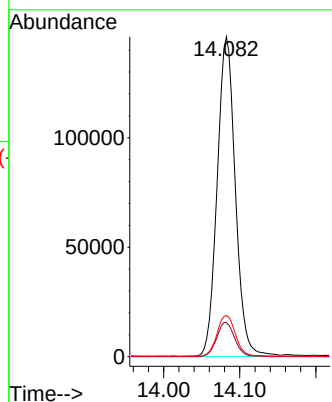
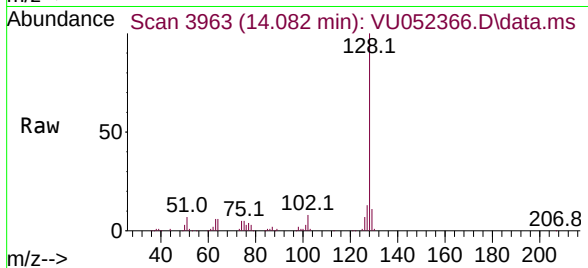
Tgt Ion:128 Resp: 242443

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

127 13.1 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.444 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU052366.D

Acq: 12 Dec 2022 20:28

Tgt Ion:180 Resp: 132447

Ion Ratio Lower Upper

180 100

182 97.4 75.7 113.5

145 32.3 24.5 36.7

