

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092122\
 Data File : VU050872.D
 Acq On : 21 Sep 2022 10:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089

Quant Time: Sep 22 02:09:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	443153	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	437573	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	215732	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	205725	44.807	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.620%
7) Chloroethane-d5	1.903	69	160683	49.139	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.280%
11) 1,1-Dichloroethene-d2	2.565	63	332502	46.541	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.080%
21) 2-Butanone-d5	4.616	46	329678	111.221	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.220%
24) Chloroform-d	5.060	84	355492	49.406	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.820%
26) 1,2-Dichloroethane-d4	5.700	65	222660	50.214	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.420%
32) Benzene-d6	5.726	84	708925	49.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.380%
36) 1,2-Dichloropropane-d6	6.690	67	235414	48.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.780%
41) Toluene-d8	7.896	98	618084	49.060	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.120%
43) trans-1,3-Dichloroprop...	8.179	79	106998	50.557	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.120%
47) 2-Hexanone-d5	8.632	63	210846	105.168	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.170%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	360928	48.661	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.320%
66) 1,2-Dichlorobenzene-d4	12.192	152	223986	49.589	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	226393	49.337	ug/L	99
3) Chloromethane	1.517	50	254314	47.672	ug/L	99
5) Vinyl chloride	1.601	62	247247	47.342	ug/L	98
6) Bromomethane	1.842	94	145987	55.332	ug/L	96
8) Chloroethane	1.925	64	143609	49.665	ug/L	99
9) Trichlorofluoromethane	2.134	101	280401	49.499	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	183227	50.533	ug/L	98
12) 1,1-Dichloroethene	2.575	96	164893	48.400	ug/L	99
13) Acetone	2.620	43	253043	100.819	ug/L	98
14) Carbon disulfide	2.787	76	529028	49.106	ug/L	100
15) Methyl Acetate	2.941	43	244116	51.539	ug/L	99
16) Methylene chloride	3.041	84	210982	44.600	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	174050	49.844	ug/L	100
18) Methyl tert-butyl Ether	3.359	73	542008	50.916	ug/L	99
19) 1,1-Dichloroethane	3.864	63	348025	49.326	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	197171	50.926	ug/L	99
22) 2-Butanone	4.697	43	365547	110.492	ug/L	100
23) Bromochloromethane	4.973	128	102826	50.674	ug/L	96
25) Chloroform	5.086	83	354120	50.360	ug/L	100

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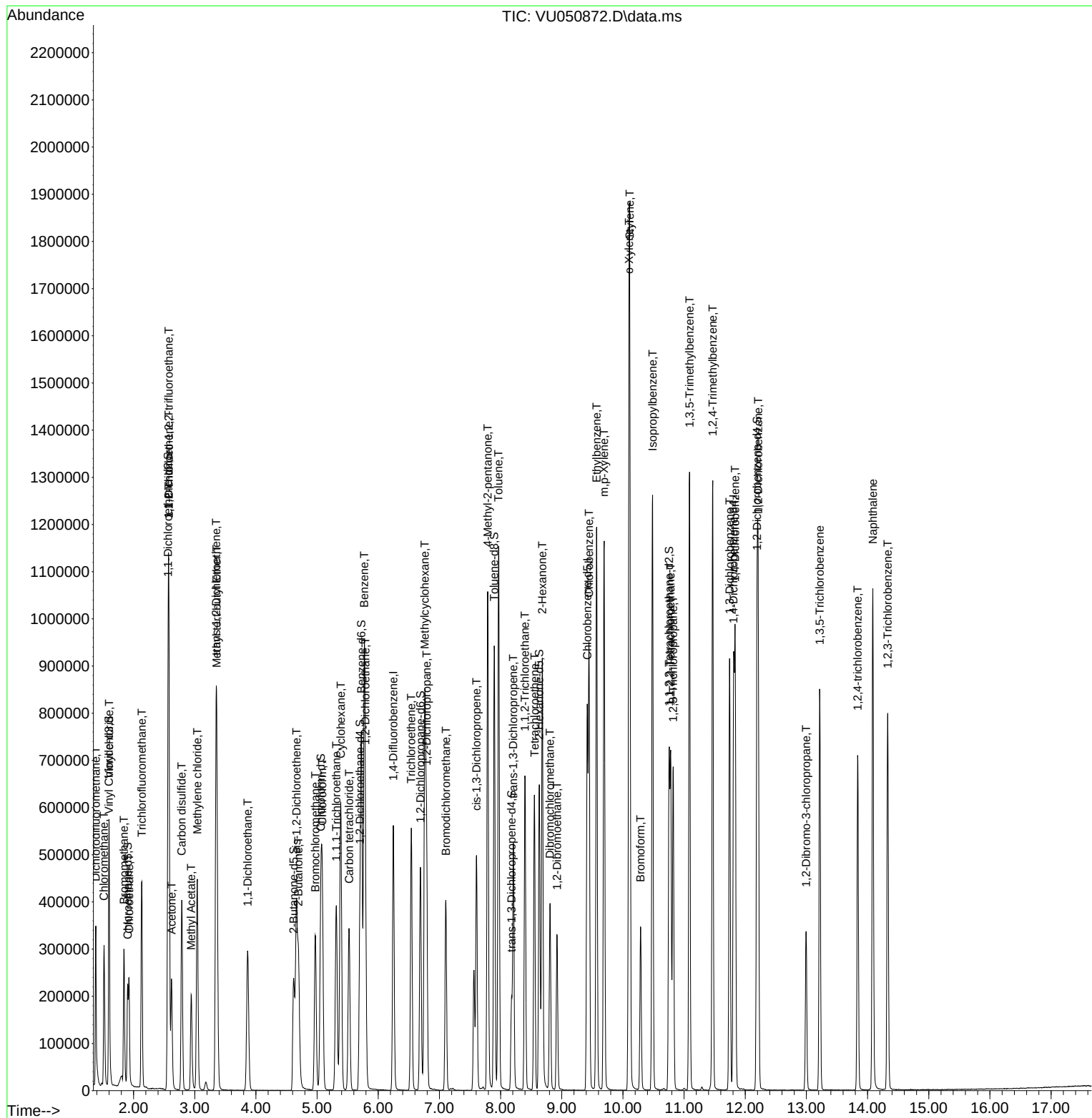
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	274455	51.360	ug/L	100
29) Cyclohexane	5.388	56	300431	49.891	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	286535	49.221	ug/L	99
31) Carbon tetrachloride	5.523	117	238378	49.292	ug/L	100
33) Benzene	5.771	78	809239	50.253	ug/L	100
34) Trichloroethene	6.539	95	196318	52.483	ug/L	98
35) Methylcyclohexane	6.761	83	313247	51.973	ug/L	99
37) 1,2-Dichloropropane	6.790	63	217806	49.428	ug/L	100
38) Bromodichloromethane	7.105	83	264087	50.301	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	295046	50.036	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	659369	108.577	ug/L	100
42) Toluene	7.967	91	840783	52.594	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	287134	51.188	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	207047	50.986	ug/L	99
46) Tetrachloroethene	8.555	164	135381	50.364	ug/L	100
48) 2-Hexanone	8.684	43	555439	109.458	ug/L	100
49) Dibromochloromethane	8.809	129	205410	51.588	ug/L	99
50) 1,2-Dibromoethane	8.922	107	218406	51.838	ug/L	100
51) Chlorobenzene	9.446	112	486355	49.834	ug/L	99
52) Ethylbenzene	9.571	91	828054	51.922	ug/L	100
53) m,p-Xylene	9.693	106	316702	53.414	ug/L	97
54) o-Xylene	10.099	106	315059	53.331	ug/L	98
55) Styrene	10.111	104	549556	54.257	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	355822	47.354	ug/L	98
59) Bromoform	10.288	173	153147	49.184	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	294247	48.491	ug/L	99
61) Isopropylbenzene	10.484	105	798079	51.766	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	670117	52.875	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	681583	54.305	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	363687	51.585	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	364686	50.951	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	381667	51.128	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	89236	53.469	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	258531	52.411	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	214477	53.131	ug/L	100
71) Naphthalene	14.086	128	841097	54.215	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	246270	54.510	ug/L	99

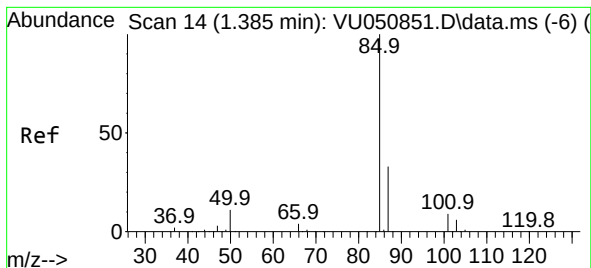
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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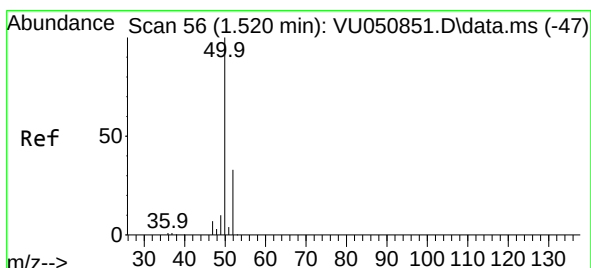
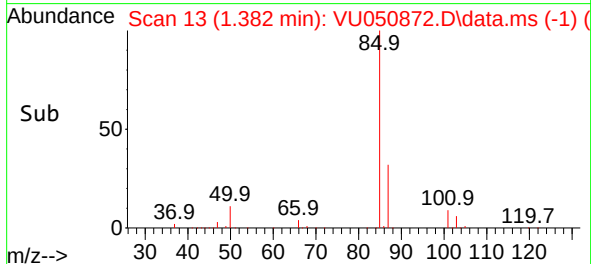
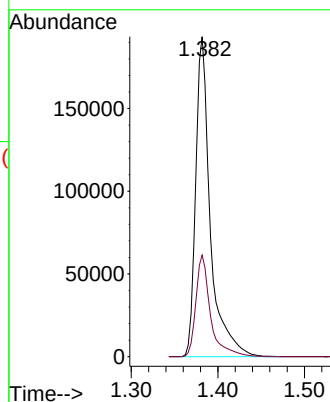
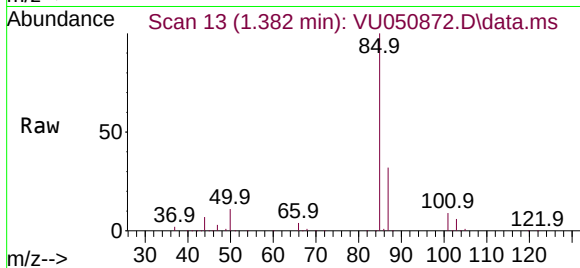




#2
 Dichlorodifluoromethane
 Concen: 49.337 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

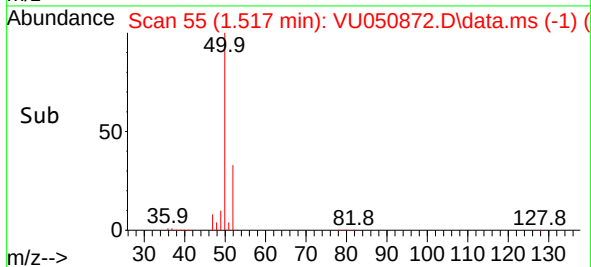
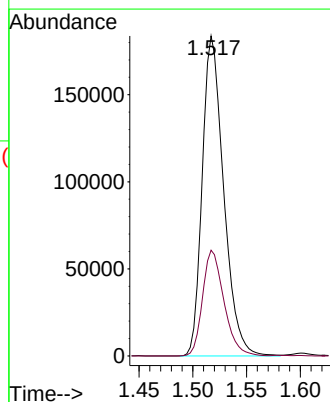
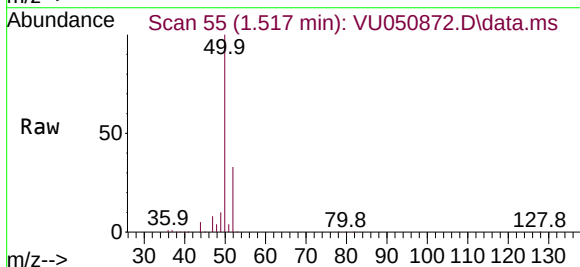
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089

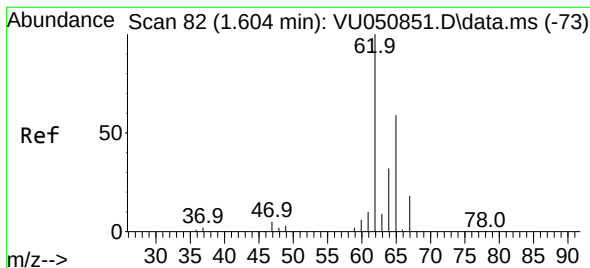
Tgt Ion: 85 Resp: 226393
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.8 38.8



#3
 Chloromethane
 Concen: 47.672 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. -0.003 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

Tgt Ion: 50 Resp: 254314
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.7 43.9





#5

Vinyl chloride

Concen: 47.342 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

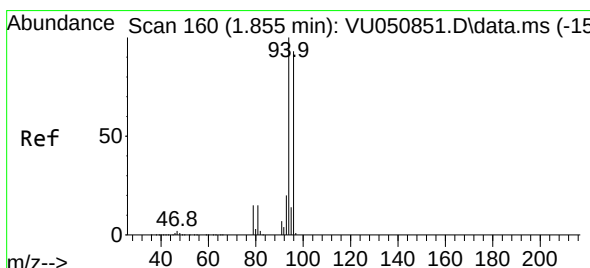
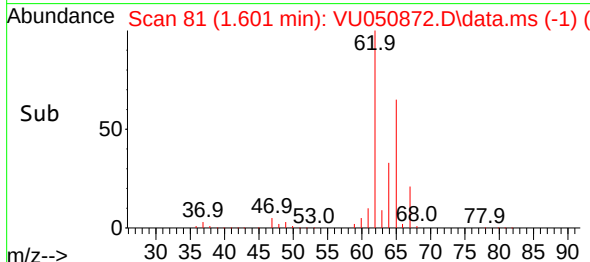
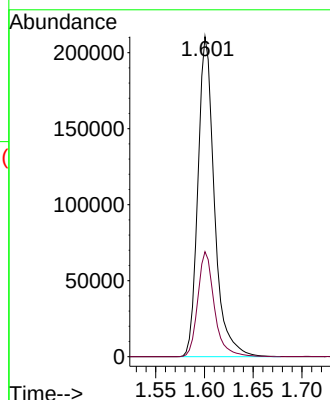
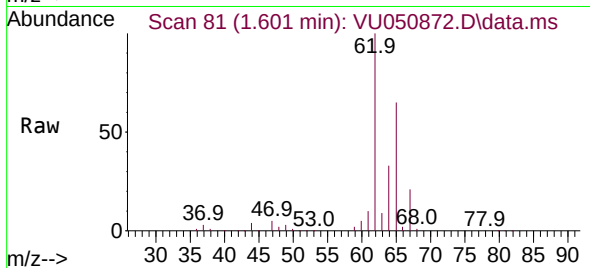
VSTD050089

Tgt Ion: 62 Resp: 247247

Ion Ratio Lower Upper

62 100

64 32.8 22.2 41.2



#6

Bromomethane

Concen: 55.332 ug/L

RT: 1.842 min Scan# 156

Delta R.T. -0.013 min

Lab File: VU050872.D

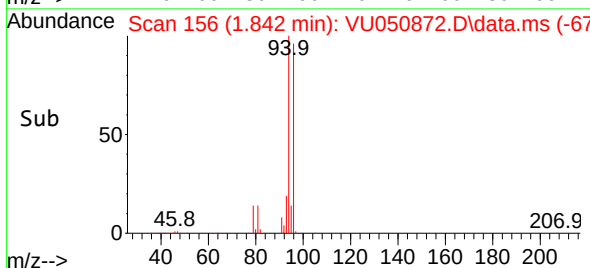
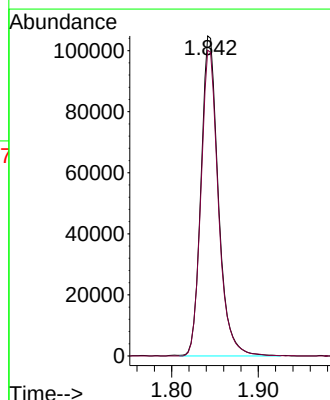
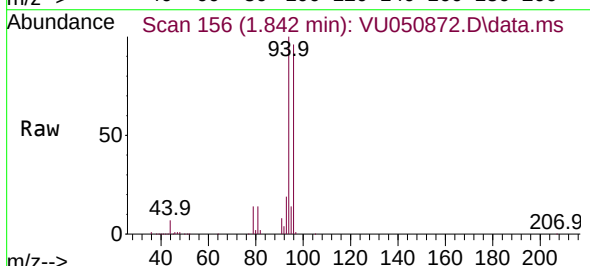
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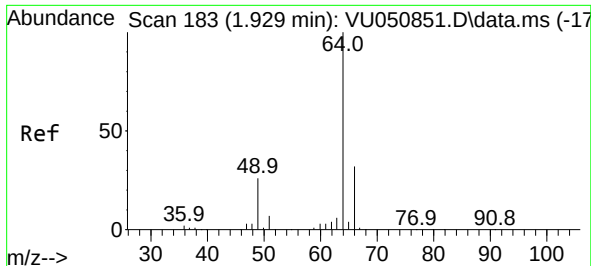
Tgt Ion: 94 Resp: 145987

Ion Ratio Lower Upper

94 100

96 95.5 64.0 119.0

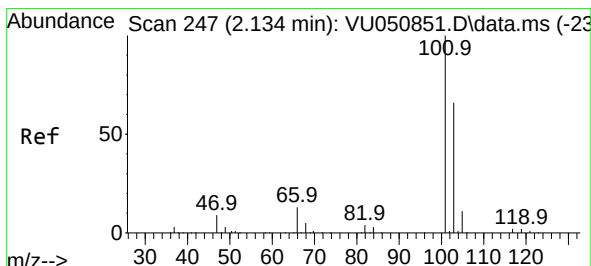
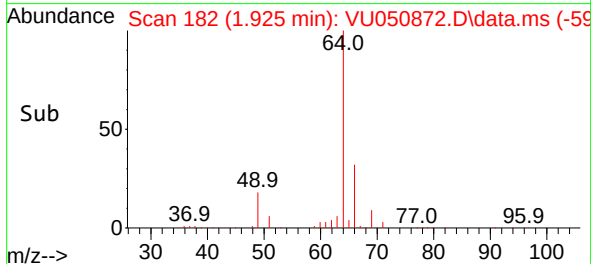
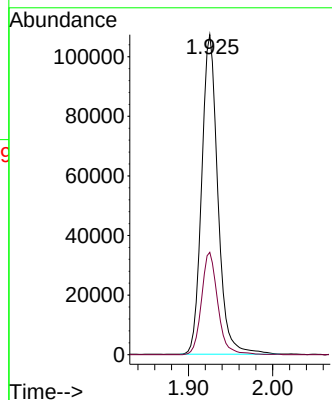
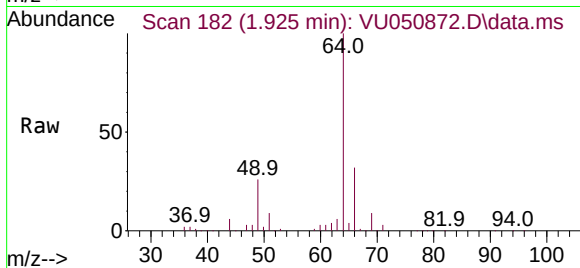




#8
Chloroethane
Concen: 49.665 ug/L
RT: 1.925 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

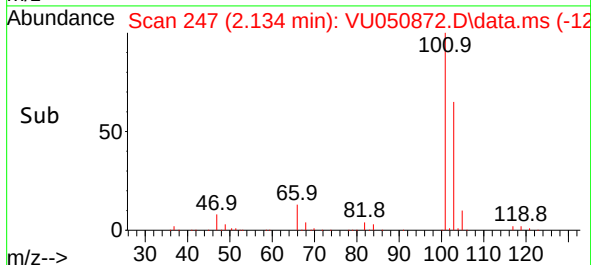
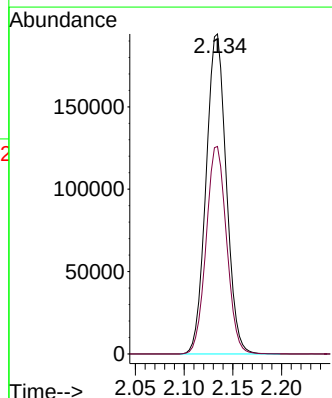
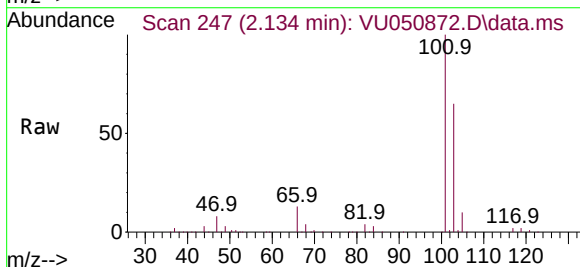
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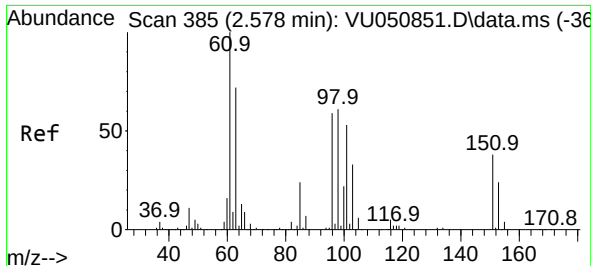
Tgt Ion: 64 Resp: 143609
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 49.499 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion: 101 Resp: 280401
Ion Ratio Lower Upper
101 100
103 65.5 50.9 76.3

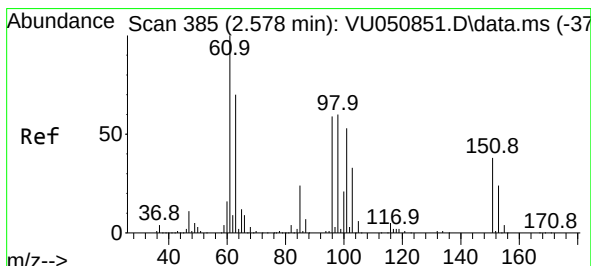
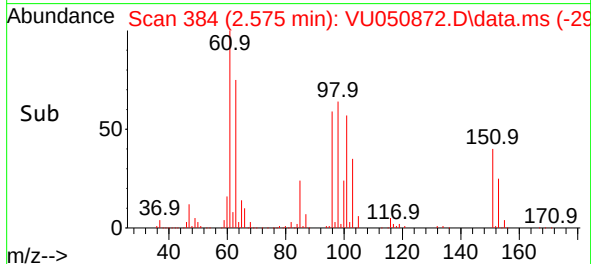
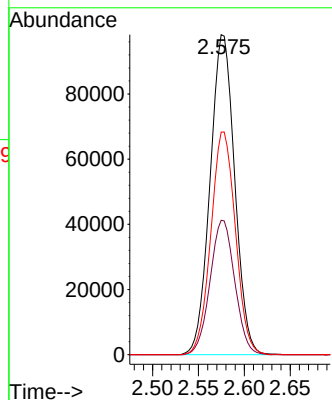
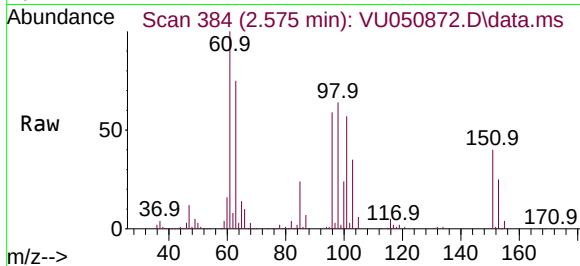




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.533 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

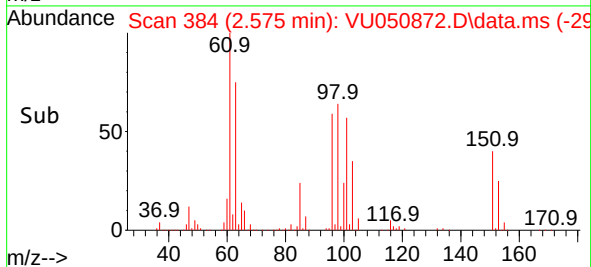
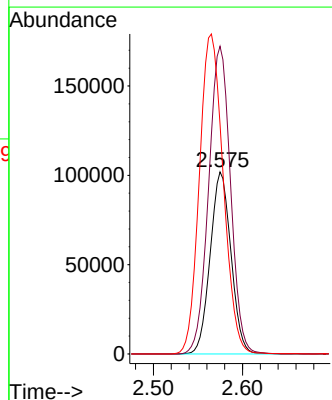
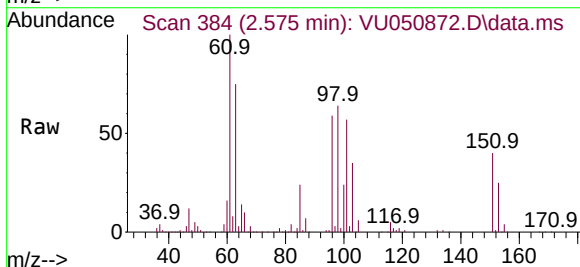
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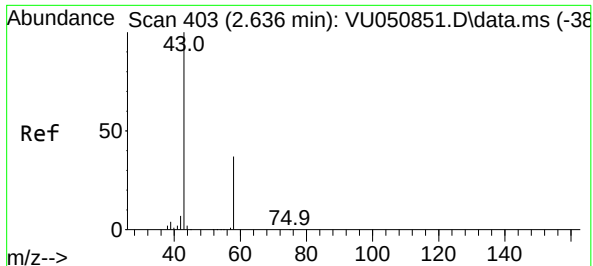
Tgt Ion:101 Resp: 183227
 Ion Ratio Lower Upper
 101 100
 85 42.1 35.1 52.7
 151 69.5 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 48.400 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

Tgt Ion: 96 Resp: 164893
 Ion Ratio Lower Upper
 96 100
 61 169.0 118.6 220.2
 63 126.2 90.4 168.0





#13

Acetone

Concen: 100.819 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.016 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

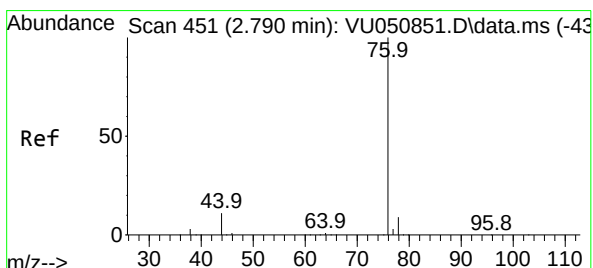
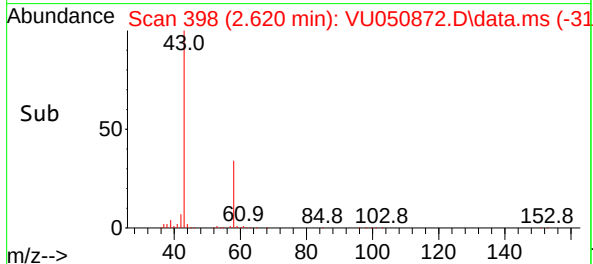
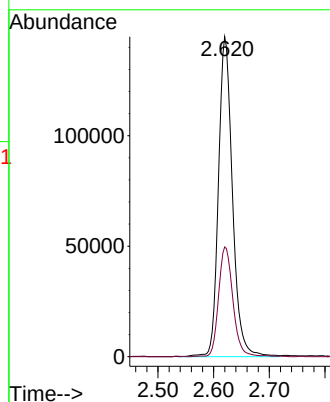
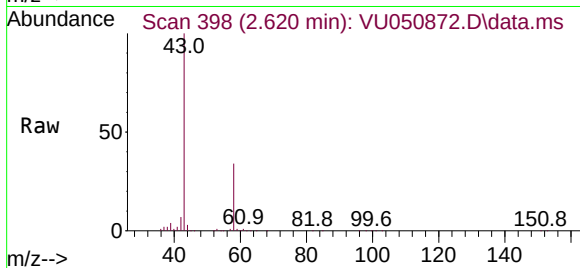
VSTD050089

Tgt Ion: 43 Resp: 253043

Ion Ratio Lower Upper

43 100

58 34.4 0.0 71.4



#14

Carbon disulfide

Concen: 49.106 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU050872.D

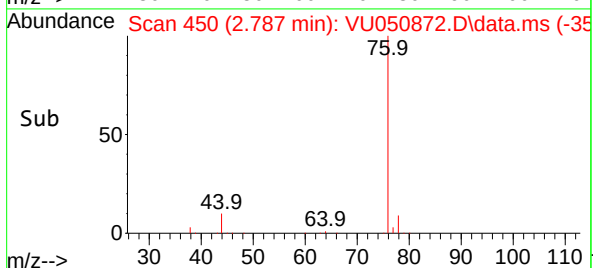
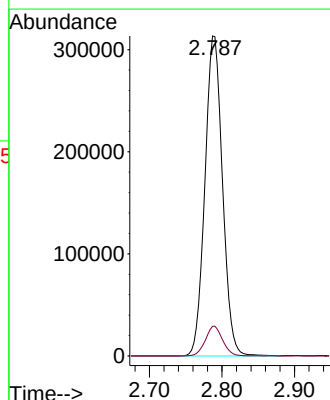
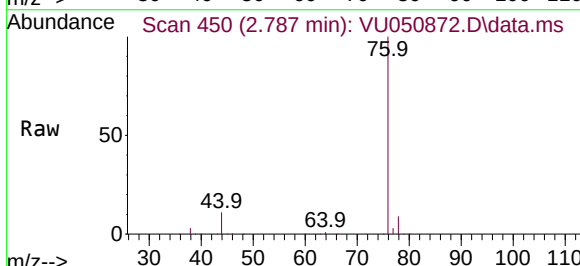
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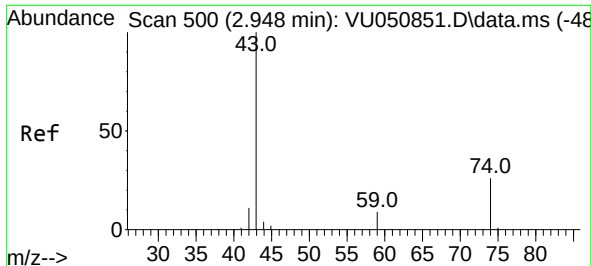
Tgt Ion: 76 Resp: 529028

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

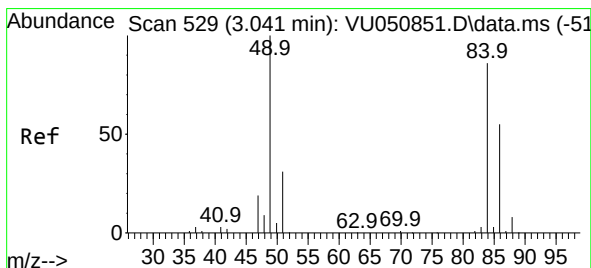
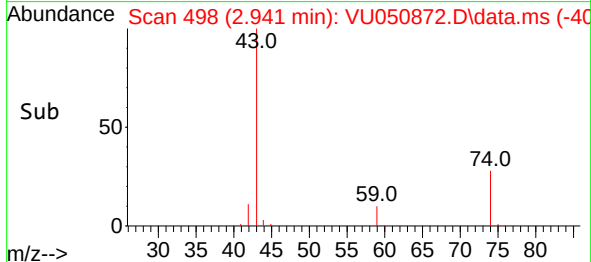
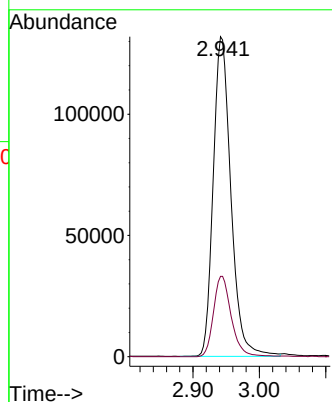
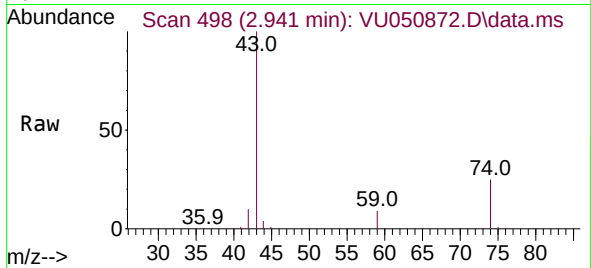




#15
Methyl Acetate
Concen: 51.539 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.006 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

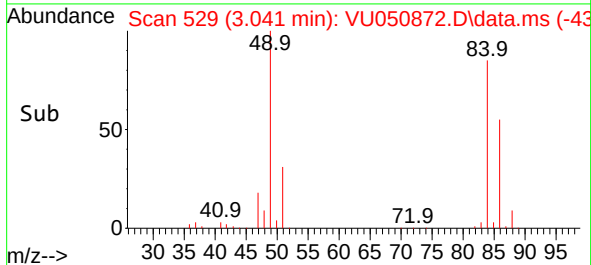
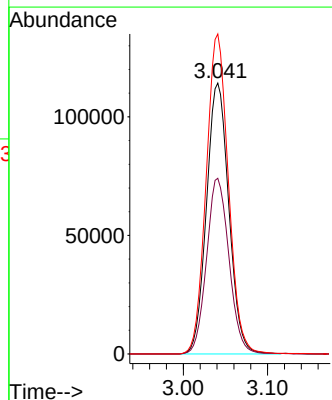
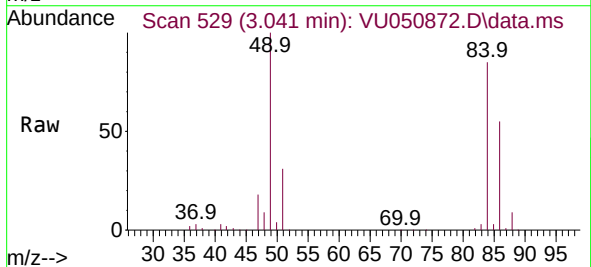
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

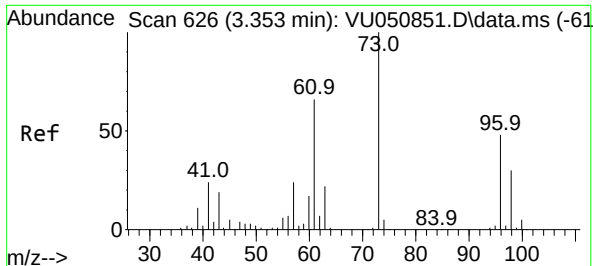
Tgt Ion: 43 Resp: 244116
Ion Ratio Lower Upper
43 100
74 25.2 19.9 29.9



#16
Methylene chloride
Concen: 44.600 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion: 84 Resp: 210982
Ion Ratio Lower Upper
84 100
86 64.8 44.4 82.5
49 118.1 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 49.844 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

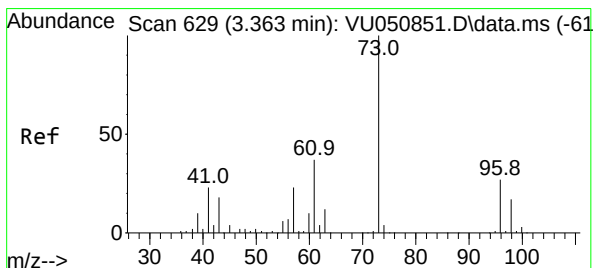
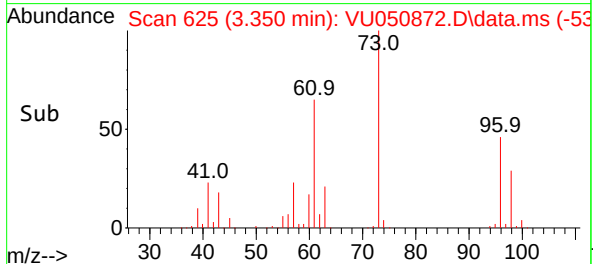
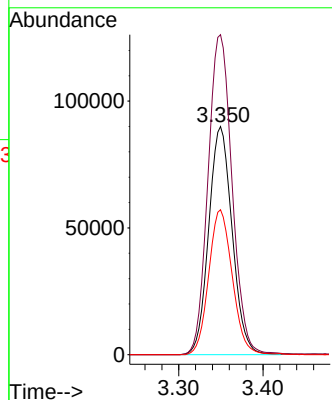
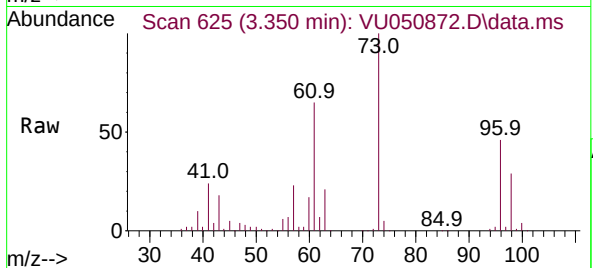
Tgt Ion: 96 Resp: 174050

Ion Ratio Lower Upper

96 100

61 140.3 98.0 182.0

98 63.5 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 50.916 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

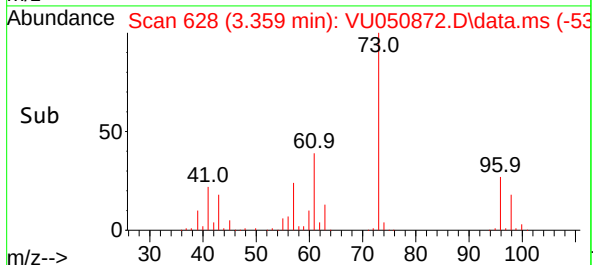
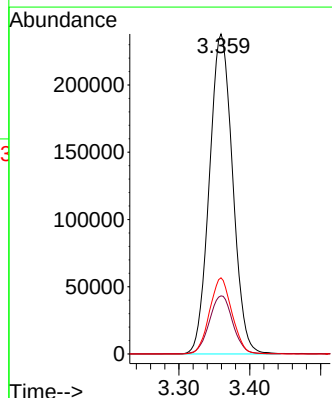
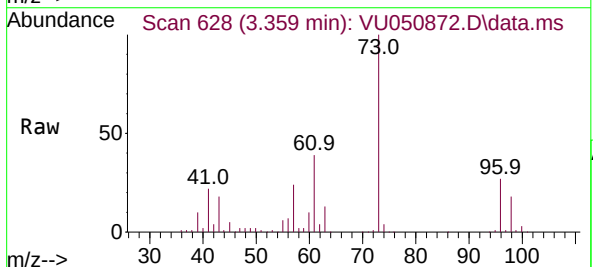
Tgt Ion: 73 Resp: 542008

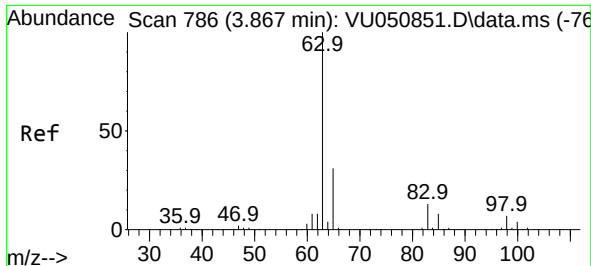
Ion Ratio Lower Upper

73 100

43 18.3 14.4 21.6

57 22.9 18.6 27.8





#19

1,1-Dichloroethane

Concen: 49.326 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

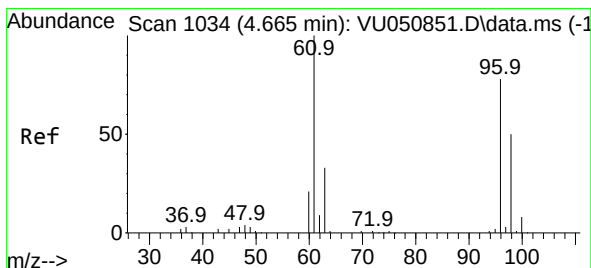
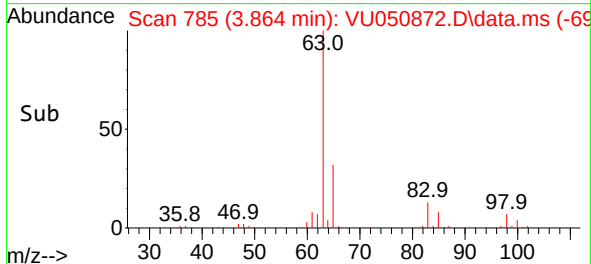
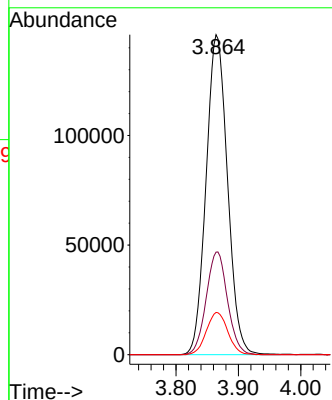
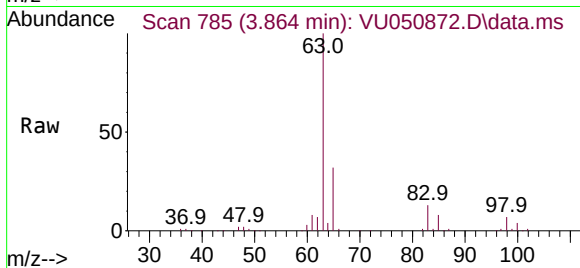
Tgt Ion: 63 Resp: 348025

Ion Ratio Lower Upper

63 100

65 32.0 21.5 39.9

83 13.2 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 50.926 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

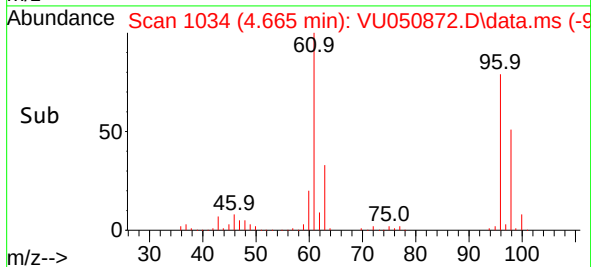
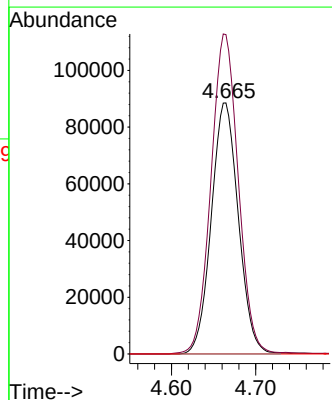
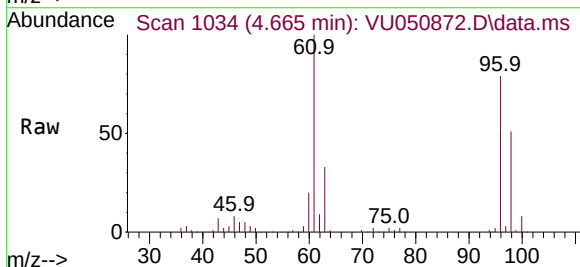
Tgt Ion: 96 Resp: 197171

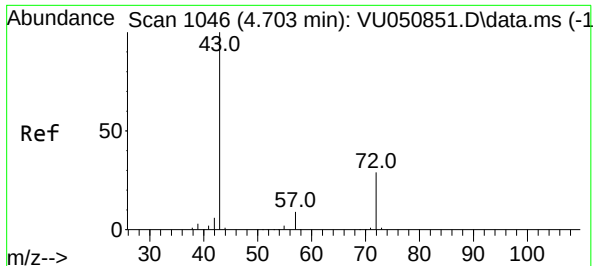
Ion Ratio Lower Upper

96 100

61 127.2 90.1 167.3

68 0.0 0.0 0.0

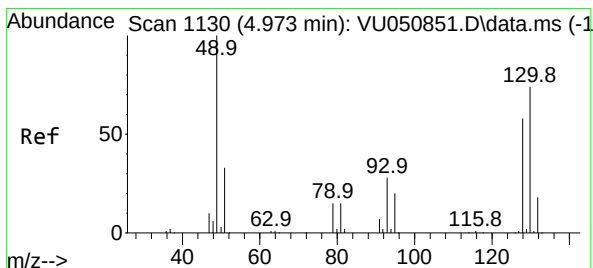
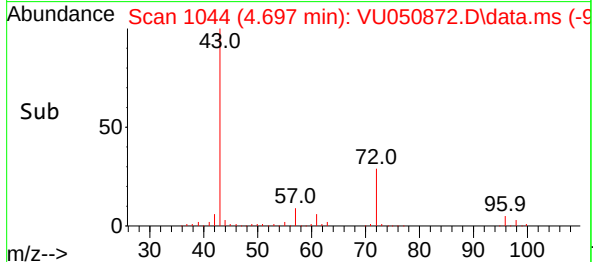
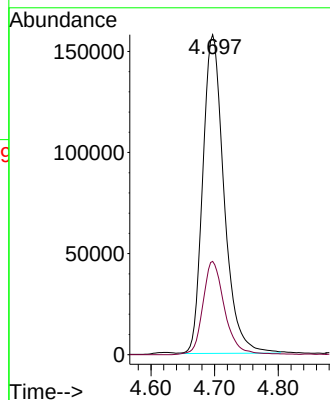
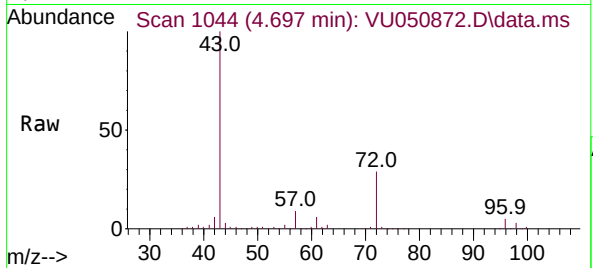




#22
2-Butanone
Concen: 110.492 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

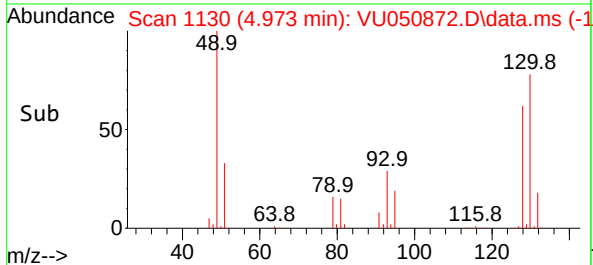
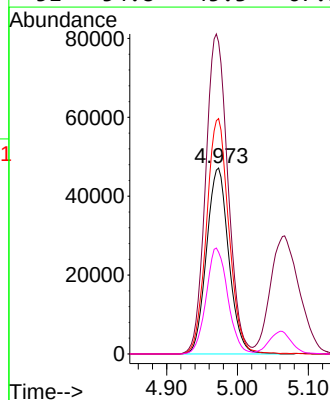
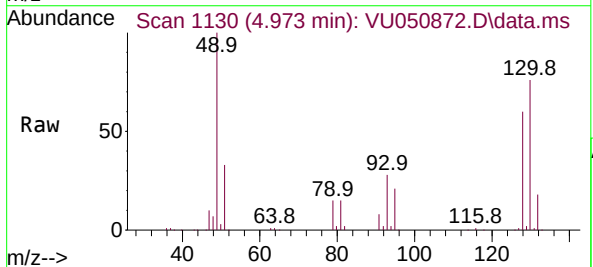
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

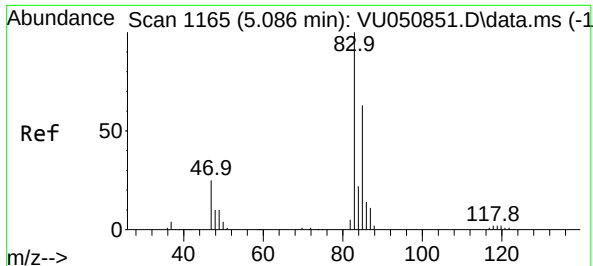
Tgt Ion: 43 Resp: 365547
Ion Ratio Lower Upper
43 100
72 29.7 14.8 44.3



#23
Bromochloromethane
Concen: 50.674 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion:128 Resp: 102826
Ion Ratio Lower Upper
128 100
49 167.7 123.1 228.5
130 126.6 90.9 168.7
51 54.8 45.3 67.9





#25

Chloroform

Concen: 50.360 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

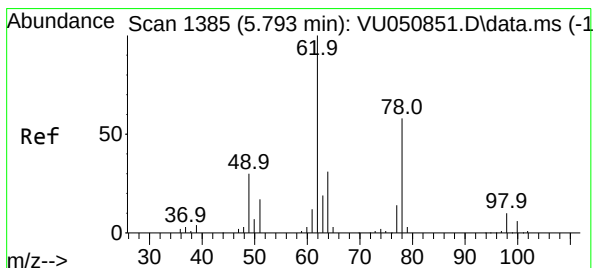
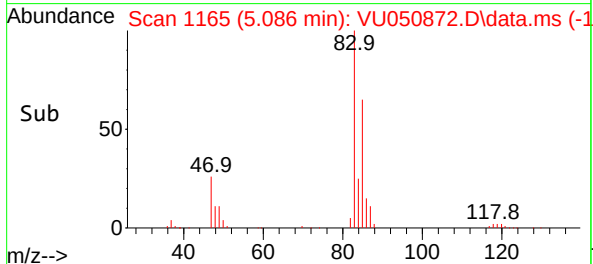
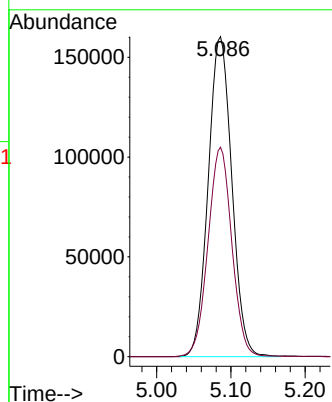
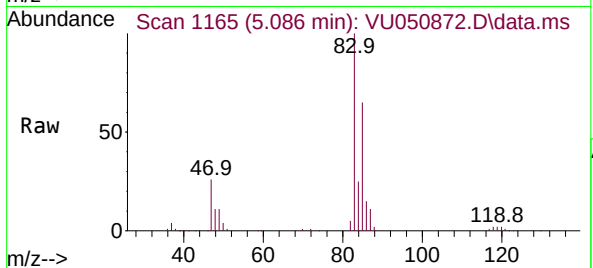
VSTD050089

Tgt Ion: 83 Resp: 354120

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 51.360 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU050872.D

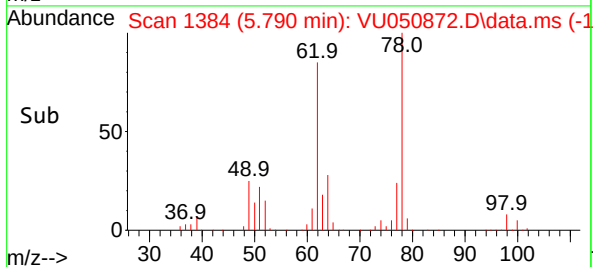
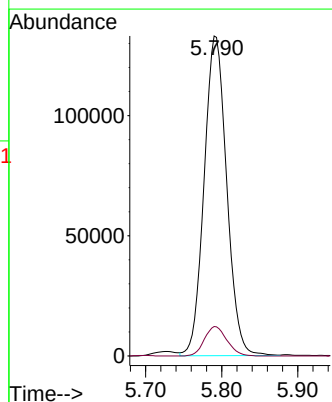
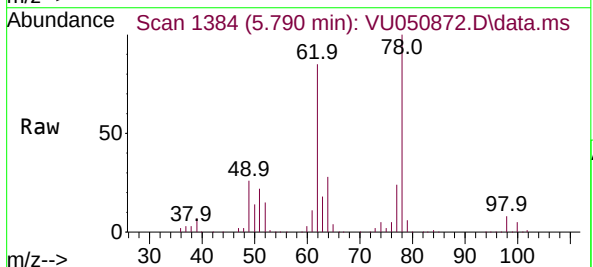
Acq: 21 Sep 2022 10:09

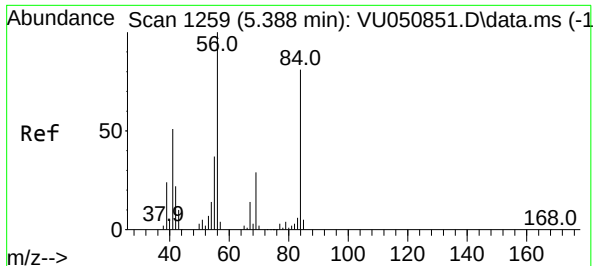
Tgt Ion: 62 Resp: 274455

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.0





#29

Cyclohexane

Concen: 49.891 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

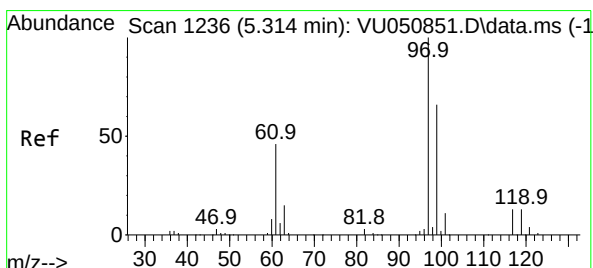
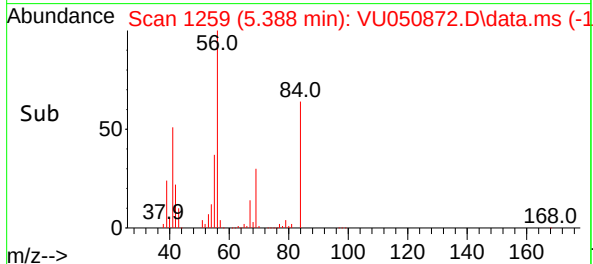
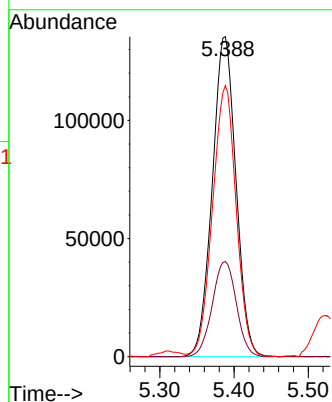
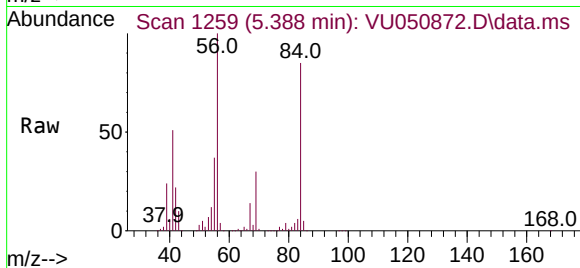
Tgt Ion: 56 Resp: 300431

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

84 84.5 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 49.221 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

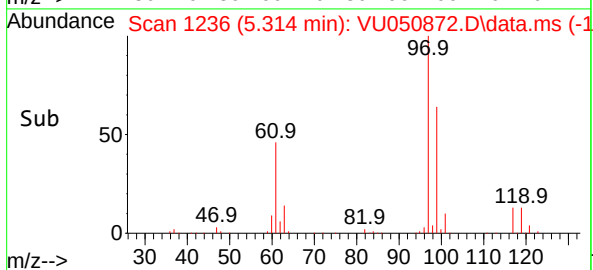
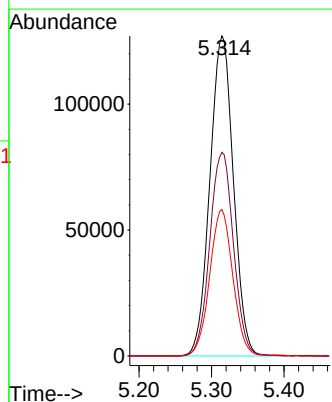
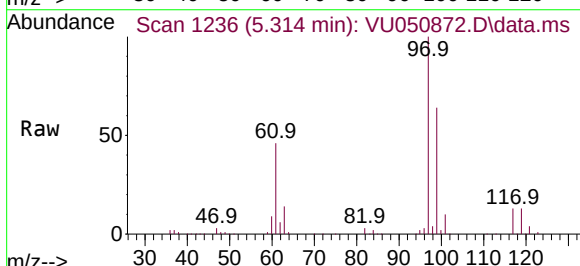
Tgt Ion: 97 Resp: 286535

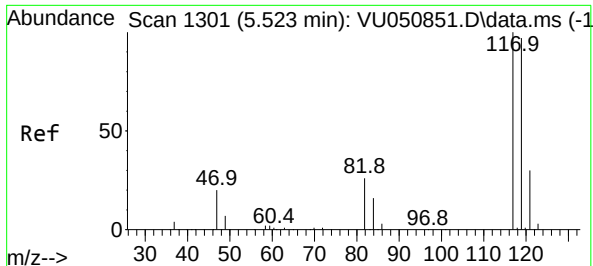
Ion Ratio Lower Upper

97 100

99 64.3 52.2 78.2

61 45.1 37.1 55.7

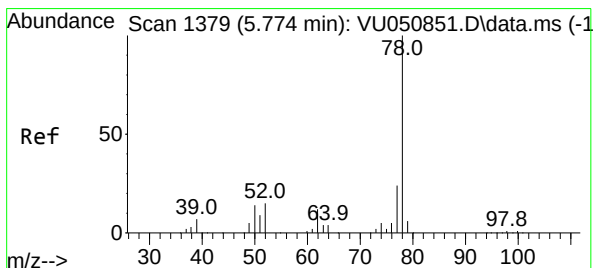
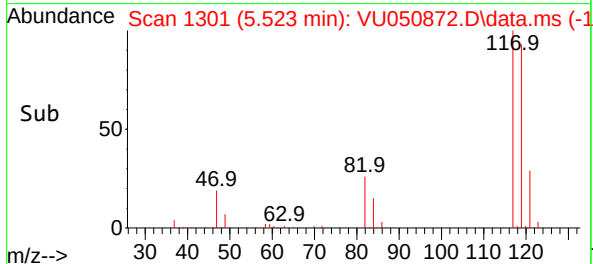
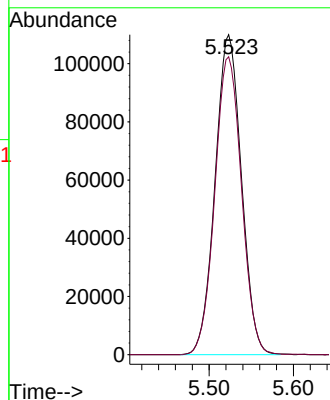
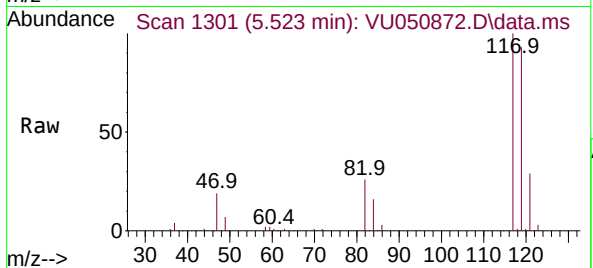




#31
Carbon tetrachloride
Concen: 49.292 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

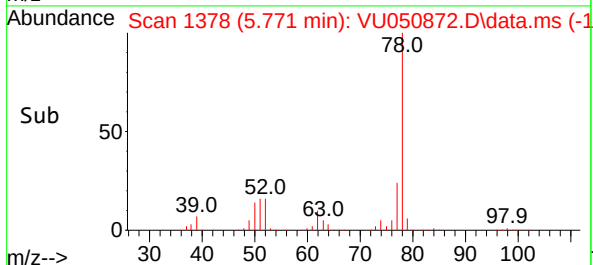
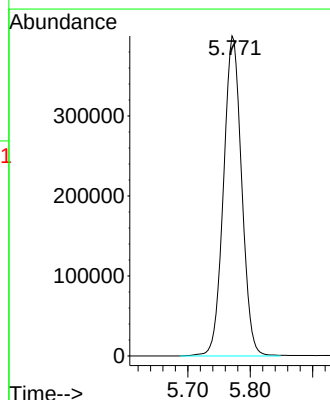
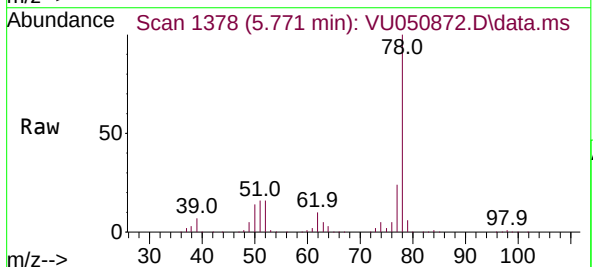
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

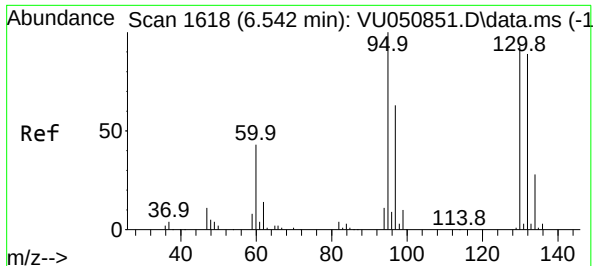
Tgt Ion:117 Resp: 238378
Ion Ratio Lower Upper
117 100
119 94.6 76.0 114.0



#33
Benzene
Concen: 50.253 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion: 78 Resp: 809239





#34

Trichloroethene

Concen: 52.483 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

Tgt Ion: 95 Resp: 196318

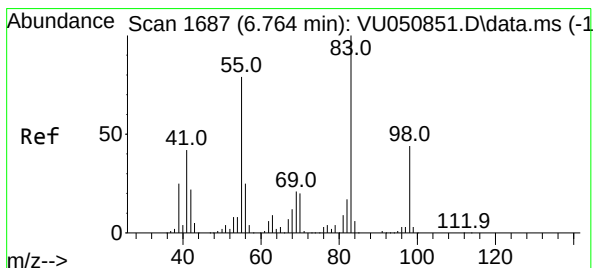
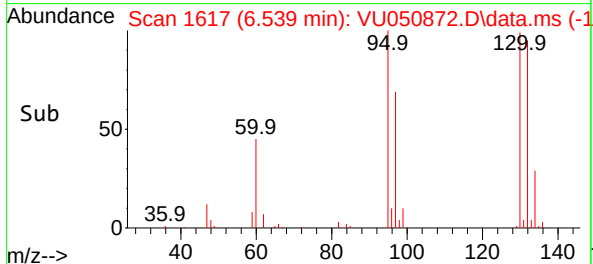
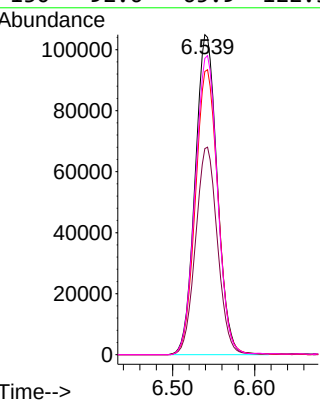
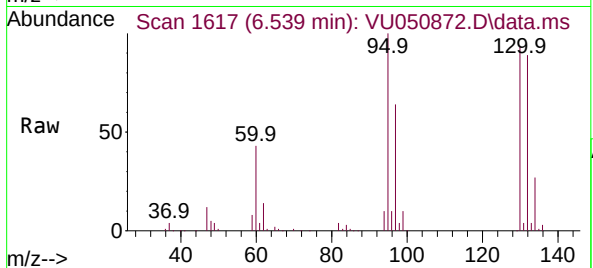
Ion Ratio Lower Upper

95 100

97 64.4 43.9 81.5

132 88.5 63.1 117.1

130 92.6 65.9 122.3



#35

Methylcyclohexane

Concen: 51.973 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.003 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

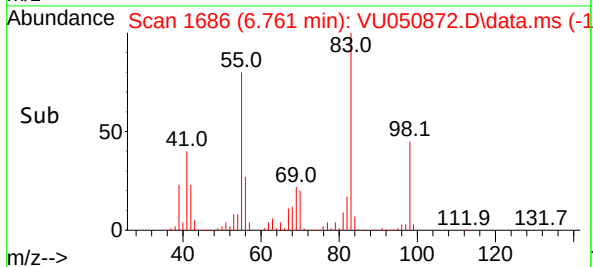
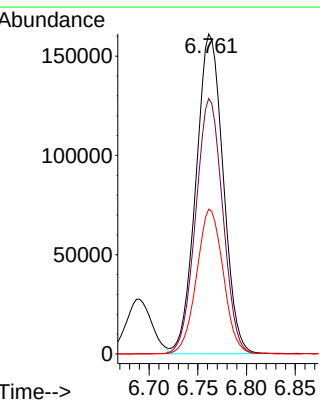
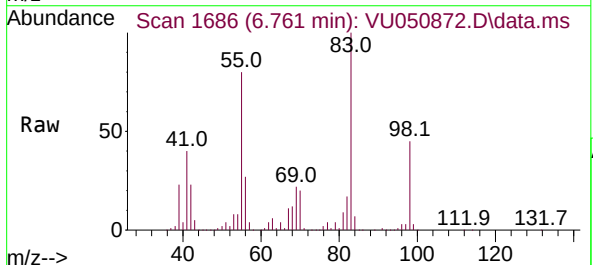
Tgt Ion: 83 Resp: 313247

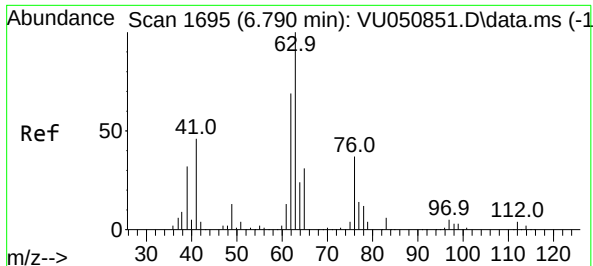
Ion Ratio Lower Upper

83 100

55 79.3 64.7 97.1

98 44.2 35.2 52.8

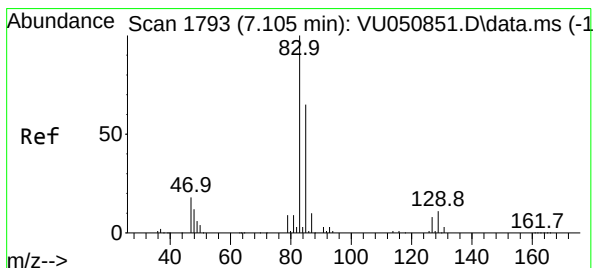
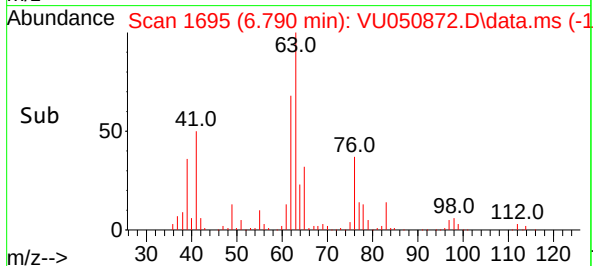
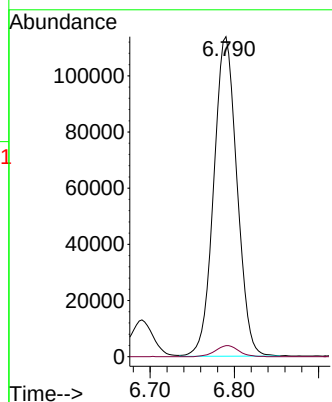
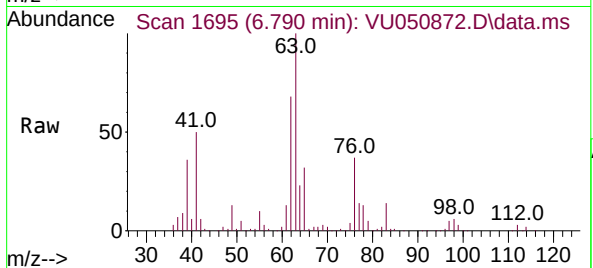




#37
1,2-Dichloropropane
Concen: 49.428 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

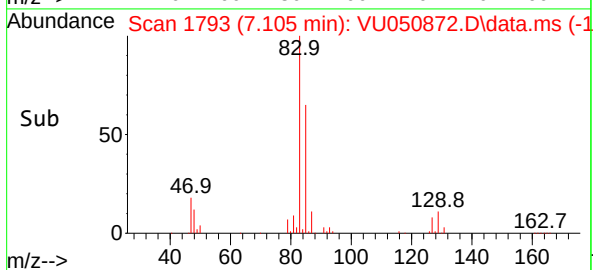
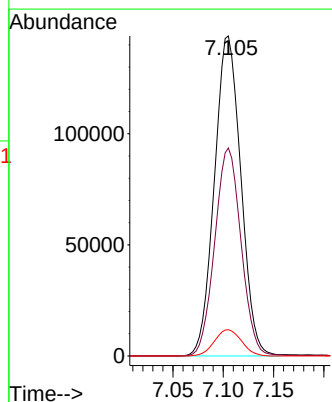
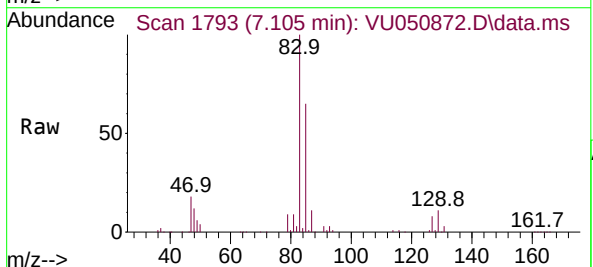
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

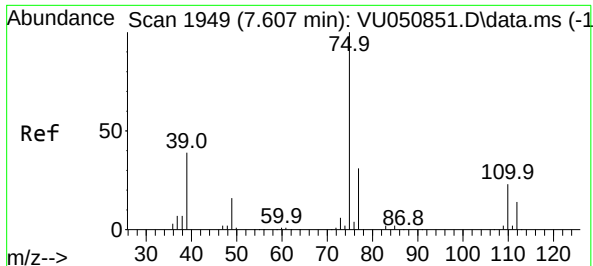
Tgt Ion: 63 Resp: 217806
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 50.301 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion: 83 Resp: 264087
Ion Ratio Lower Upper
83 100
85 65.0 44.3 82.3
127 8.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 50.036 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

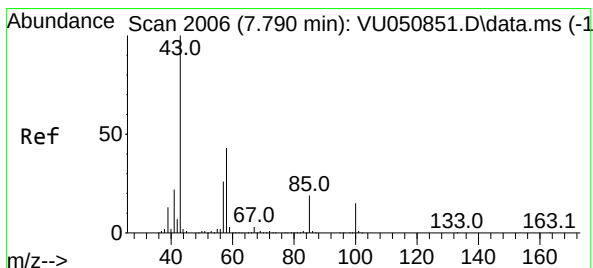
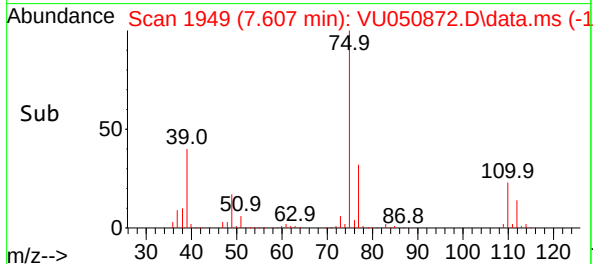
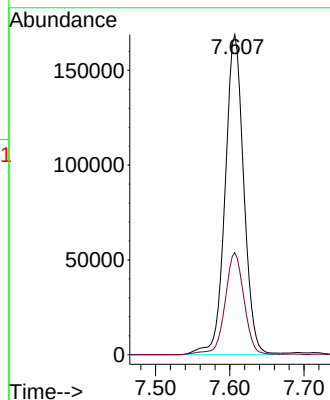
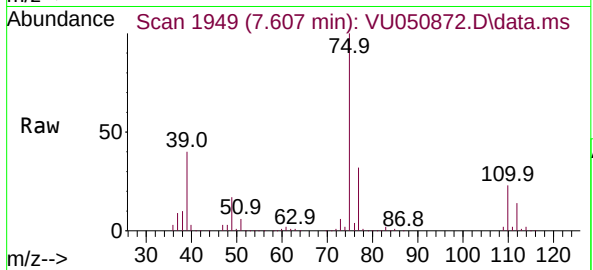
VSTD050089

Tgt Ion: 75 Resp: 295046

Ion Ratio Lower Upper

75 100

77 31.9 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 108.577 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

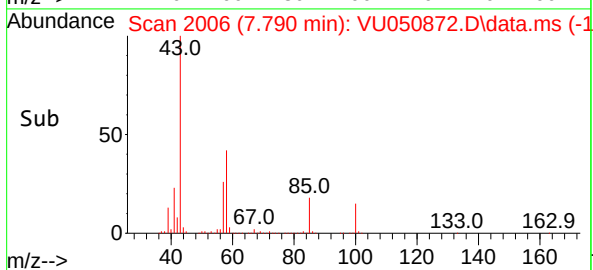
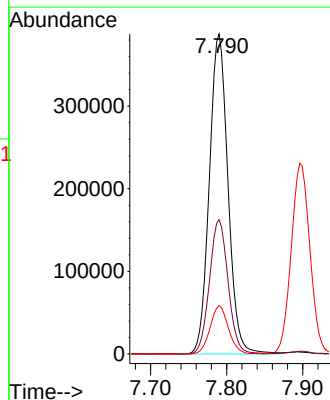
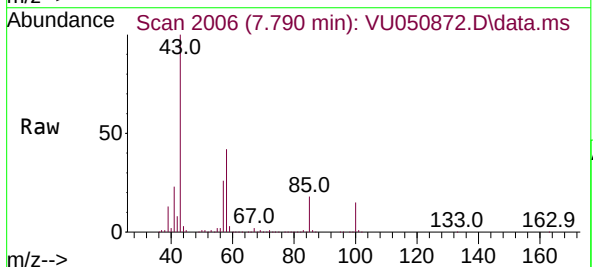
Tgt Ion: 43 Resp: 659369

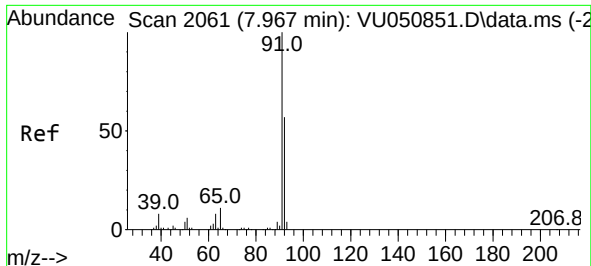
Ion Ratio Lower Upper

43 100

58 41.9 33.8 50.6

100 14.9 12.0 18.0





#42

Toluene

Concen: 52.594 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

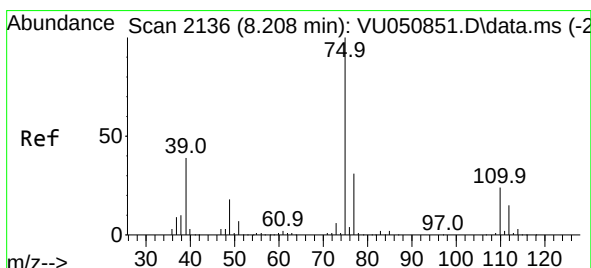
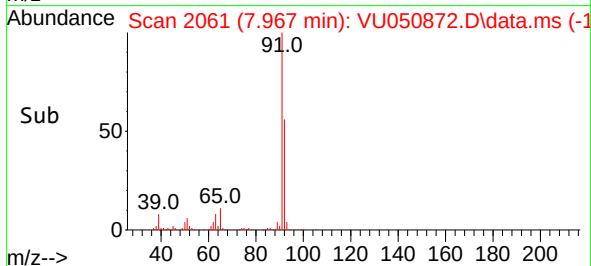
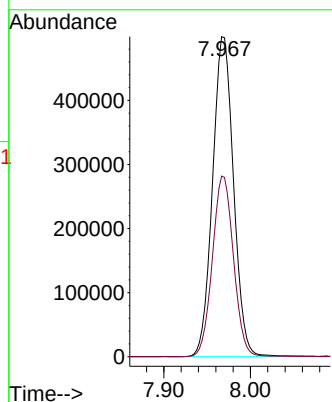
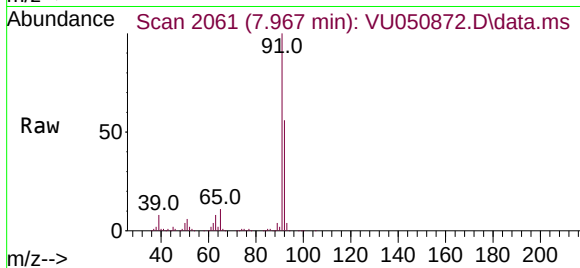
VSTD050089

Tgt Ion: 91 Resp: 840783

Ion Ratio Lower Upper

91 100

92 56.4 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 51.188 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU050872.D

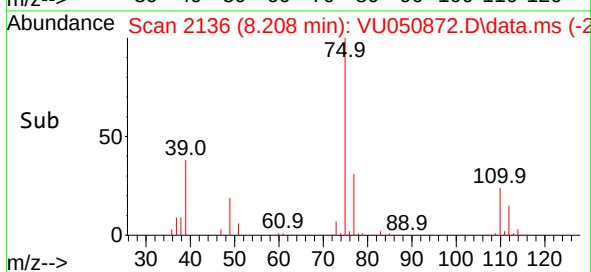
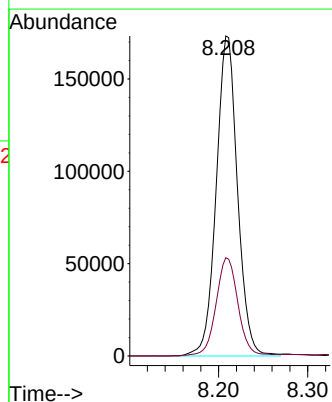
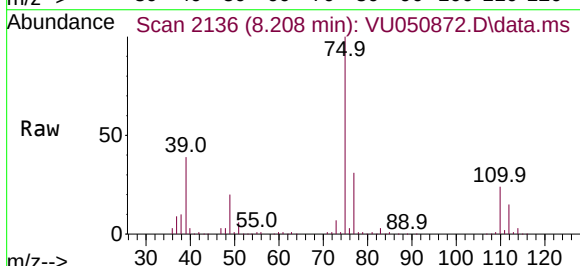
Acq: 21 Sep 2022 10:09

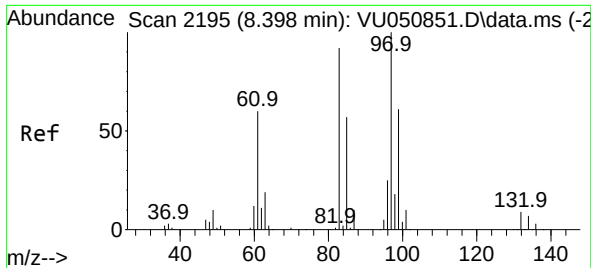
Tgt Ion: 75 Resp: 287134

Ion Ratio Lower Upper

75 100

77 30.7 21.9 40.7



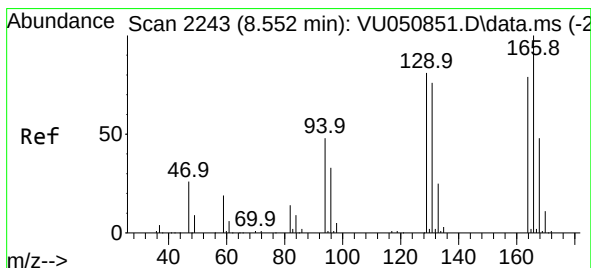
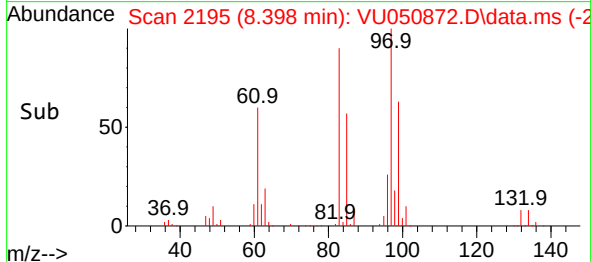
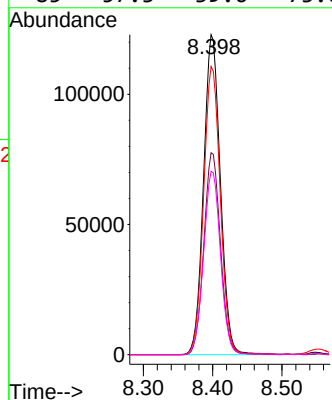
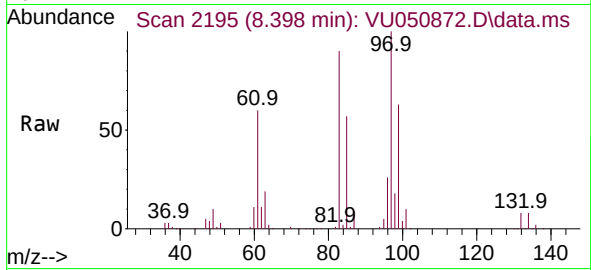


#45
1,1,2-Trichloroethane
Concen: 50.986 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

Tgt Ion: 97 Resp: 207047

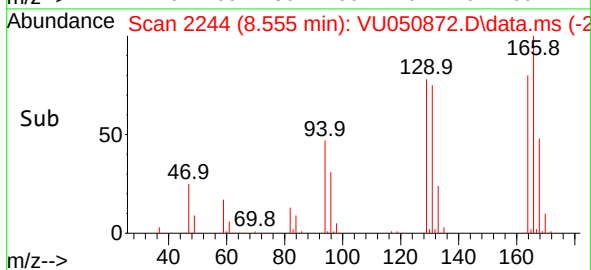
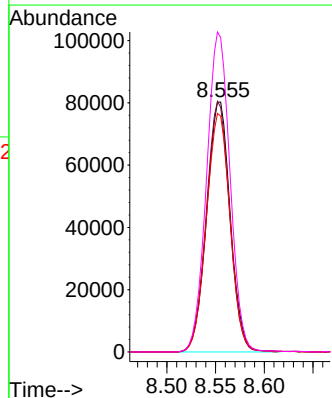
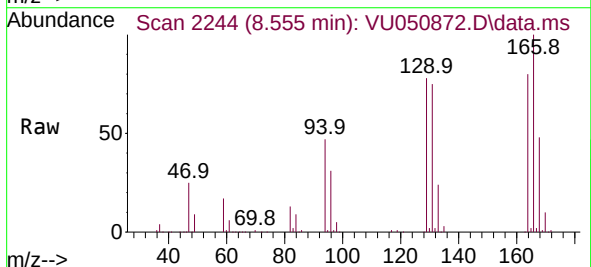
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.8	81.4
83	90.0	62.6	116.3
85	57.3	39.6	73.6

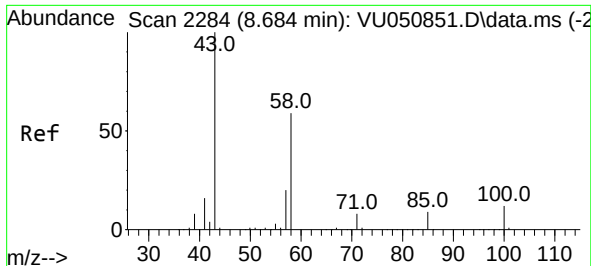


#46
Tetrachloroethene
Concen: 50.364 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion: 164 Resp: 135381

Ion	Ratio	Lower	Upper
164	100		
129	97.8	68.5	127.3
131	94.4	66.1	122.7
166	125.7	88.8	164.8

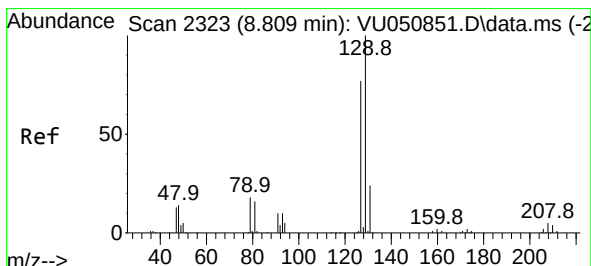
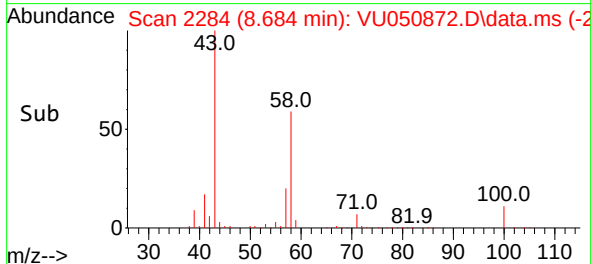
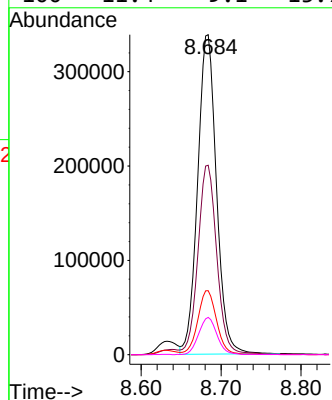
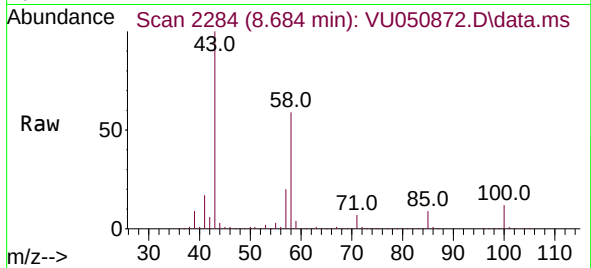




#48
2-Hexanone
Concen: 109.458 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

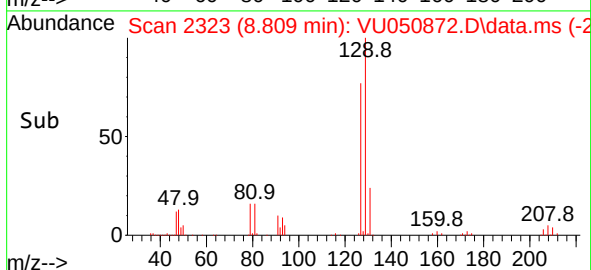
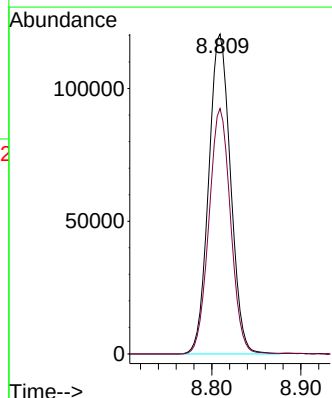
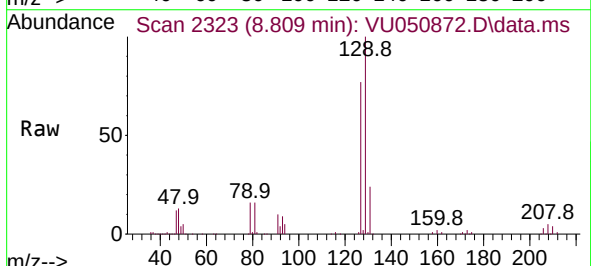
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

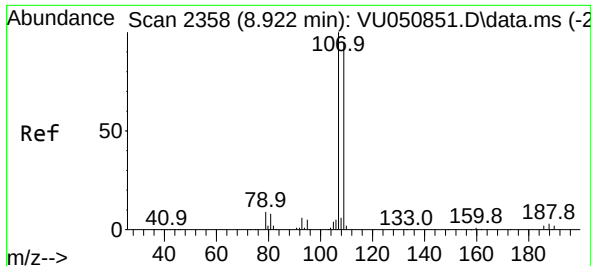
Tgt Ion:	43	Resp:	555439
Ion	Ratio	Lower	Upper
43	100		
58	59.2	47.2	70.8
57	19.7	16.2	24.4
100	11.4	9.1	13.7



#49
Dibromochloromethane
Concen: 51.588 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion:	129	Resp:	205410
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.5	101.1





#50

1,2-Dibromoethane

Concen: 51.838 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

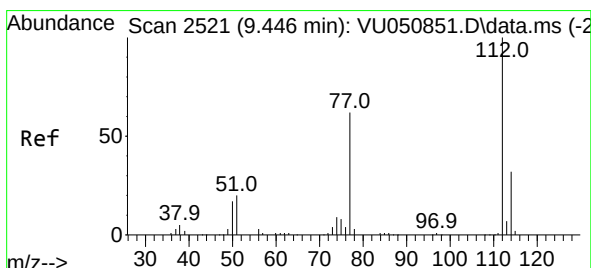
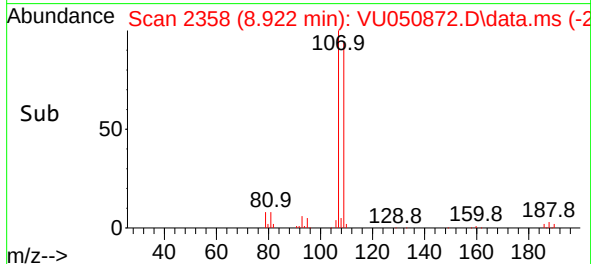
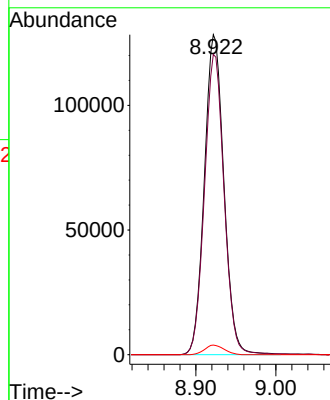
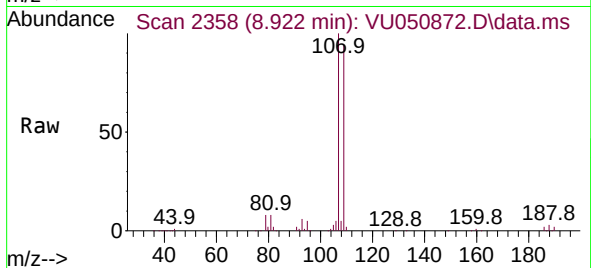
Tgt Ion:107 Resp: 218406

Ion Ratio Lower Upper

107 100

109 93.8 66.0 122.6

188 3.0 2.5 3.7



#51

Chlorobenzene

Concen: 49.834 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

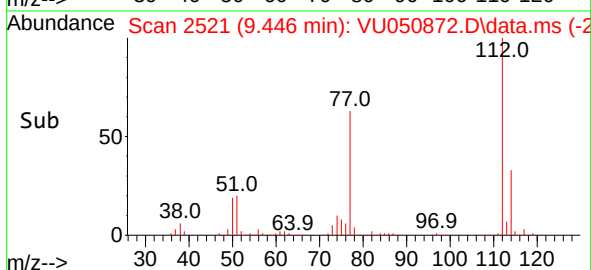
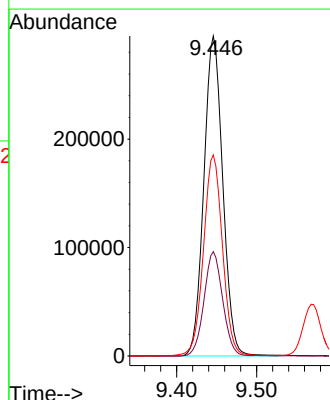
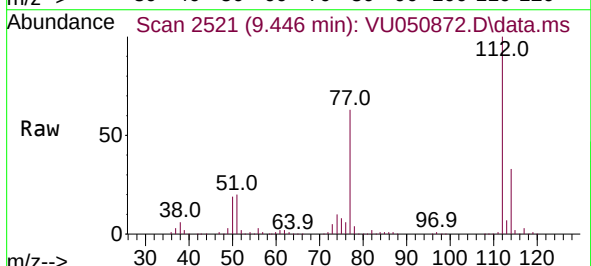
Tgt Ion:112 Resp: 486355

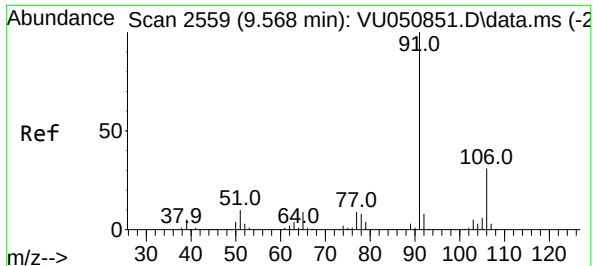
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.3

77 62.8 49.8 74.8





#52

Ethylbenzene

Concen: 51.922 ug/L

RT: 9.571 min Scan# 2559

Delta R.T. 0.003 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

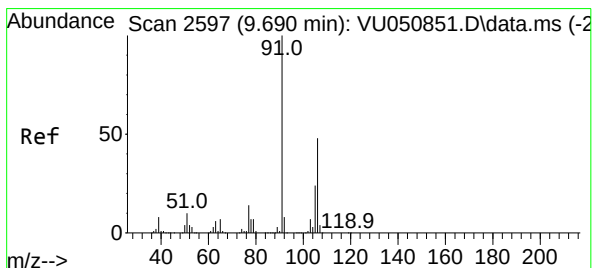
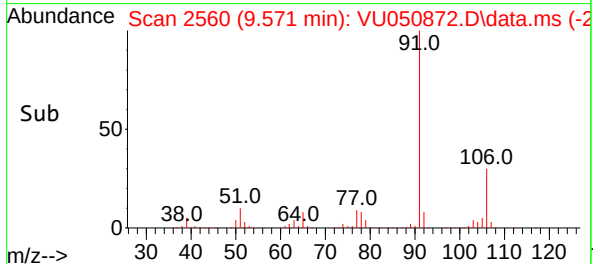
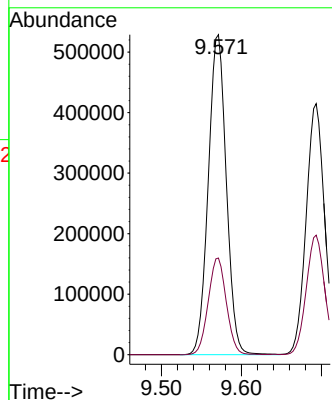
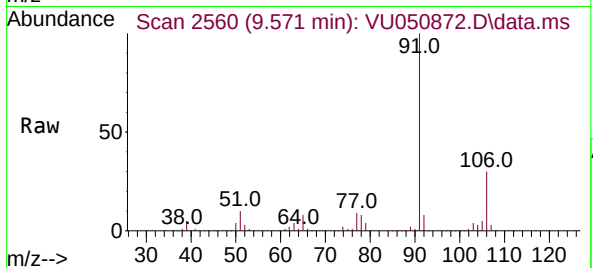
VSTD050089

Tgt Ion: 91 Resp: 828054

Ion Ratio Lower Upper

91 100

106 30.2 21.0 39.0



#53

m,p-Xylene

Concen: 53.414 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU050872.D

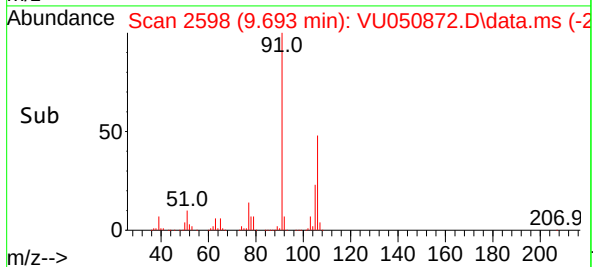
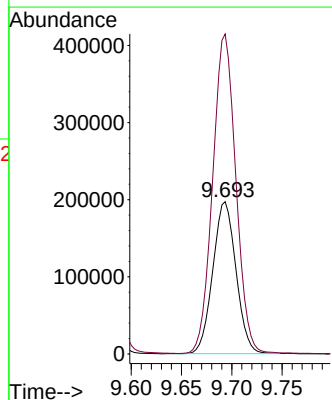
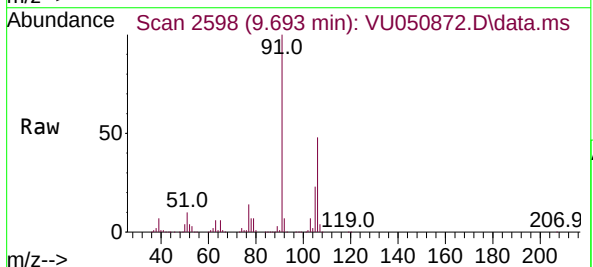
Acq: 21 Sep 2022 10:09

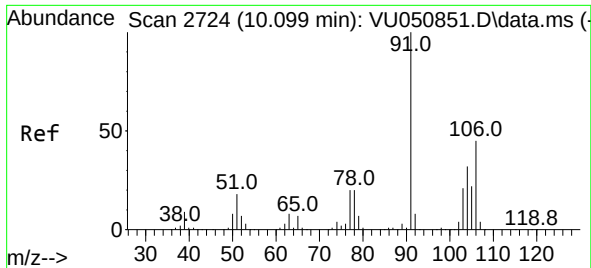
Tgt Ion:106 Resp: 316702

Ion Ratio Lower Upper

106 100

91 210.1 144.0 267.4

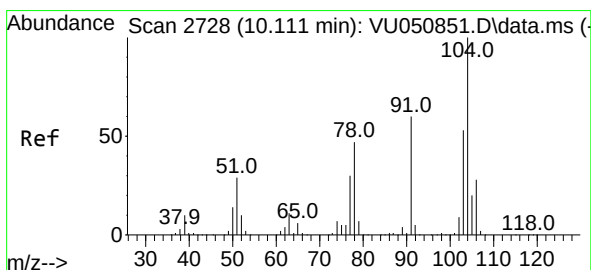
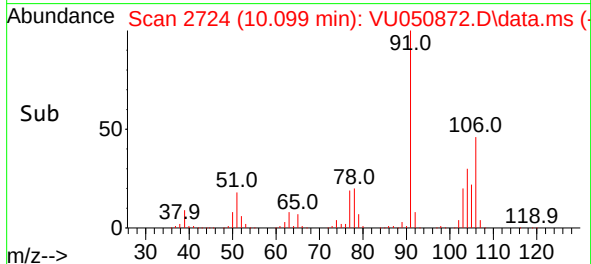
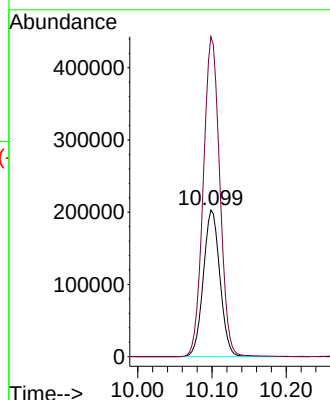
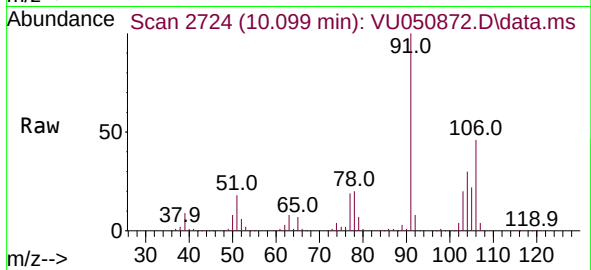




#54
o-Xylene
Concen: 53.331 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

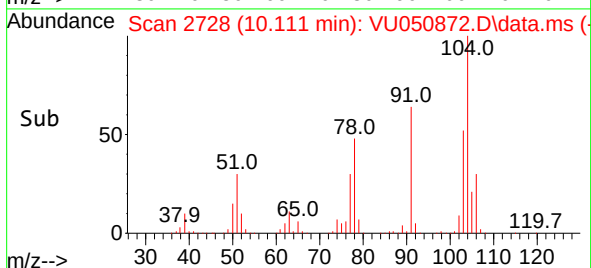
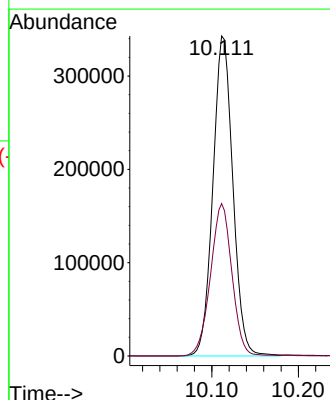
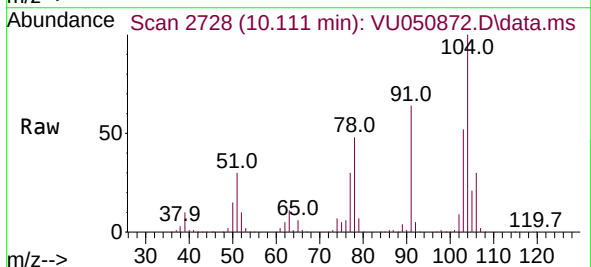
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

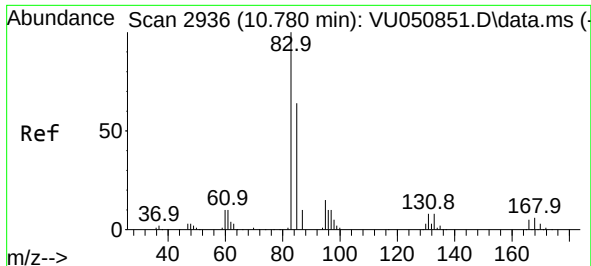
Tgt Ion:106 Resp: 315059
Ion Ratio Lower Upper
106 100
91 218.4 154.6 287.0



#55
Styrene
Concen: 54.257 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion:104 Resp: 549556
Ion Ratio Lower Upper
104 100
78 47.6 32.4 60.2

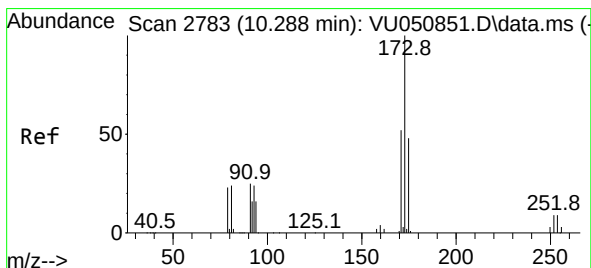
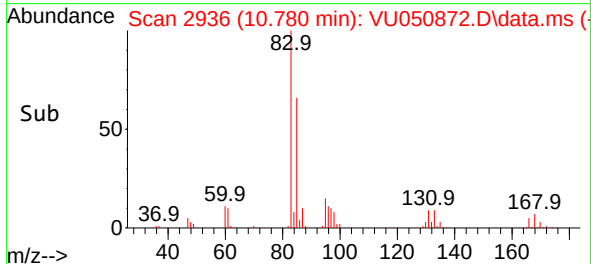
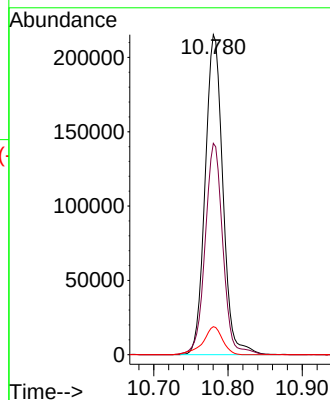
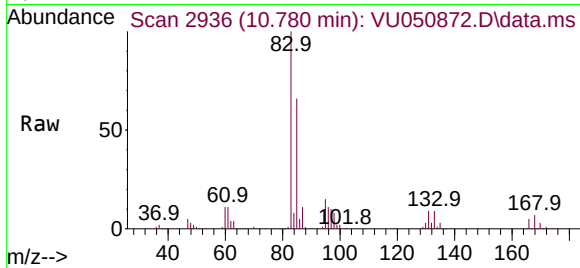




#57
 1,1,2,2-Tetrachloroethane
 Concen: 47.354 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

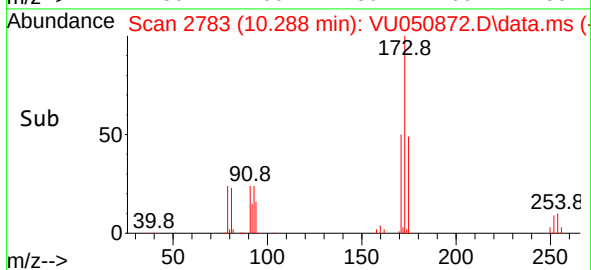
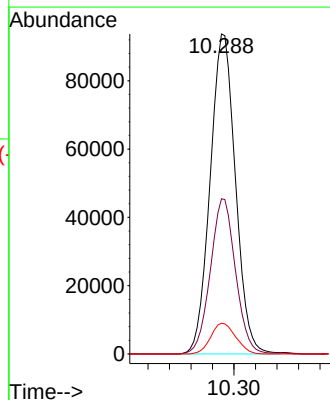
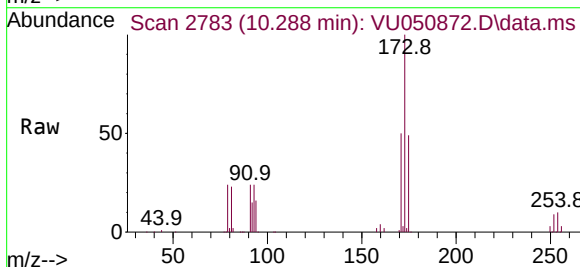
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089

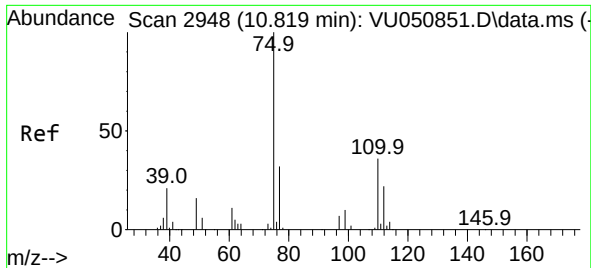
Tgt Ion: 83 Resp: 355822
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.1 83.9
 131 8.8 7.1 10.7



#59
 Bromoform
 Concen: 49.184 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. -0.000 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

Tgt Ion: 173 Resp: 153147
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.8 56.8
 254 9.5 7.1 10.7

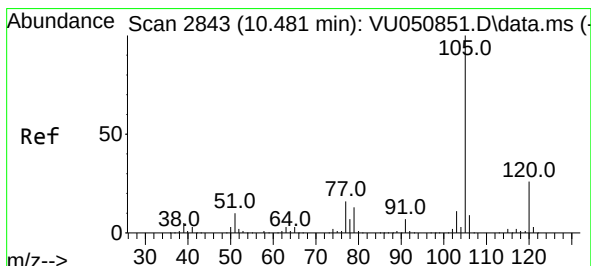
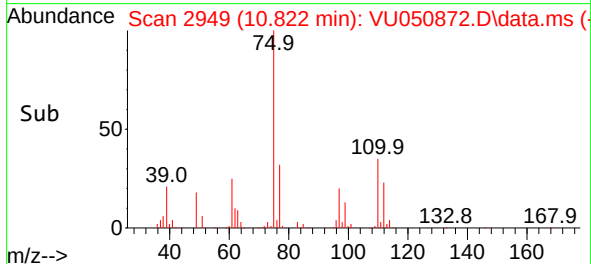
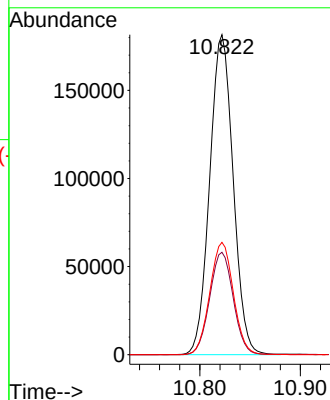
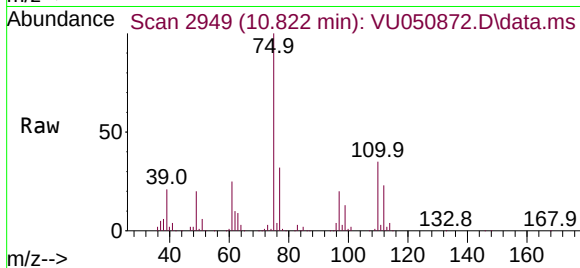




#60
1,2,3-Trichloropropane
Concen: 48.491 ug/L
RT: 10.822 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

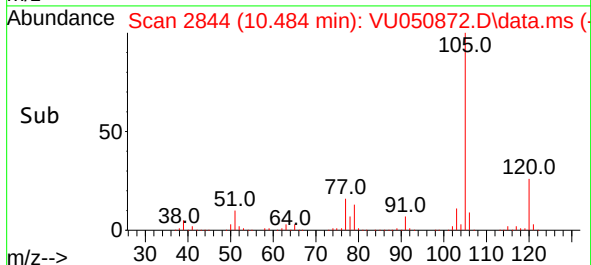
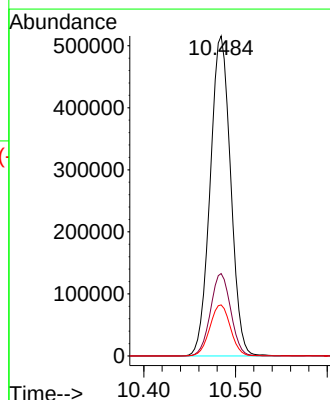
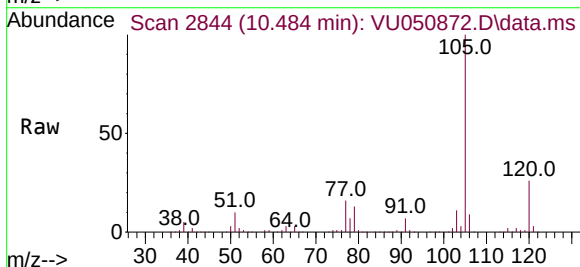
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

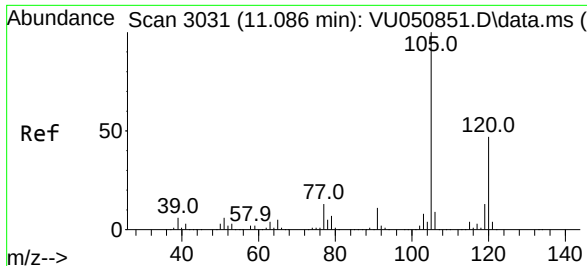
Tgt Ion: 75 Resp: 294247
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.4
110 35.3 28.6 43.0



#61
Isopropylbenzene
Concen: 51.766 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion: 105 Resp: 798079
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 16.1 12.9 19.3

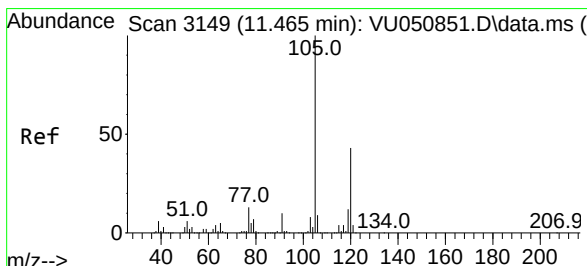
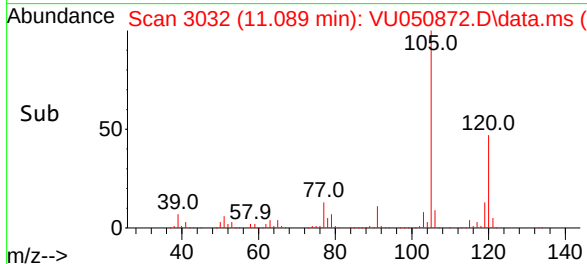
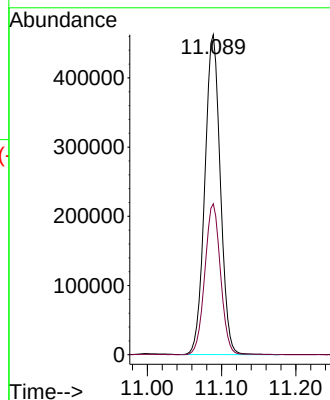
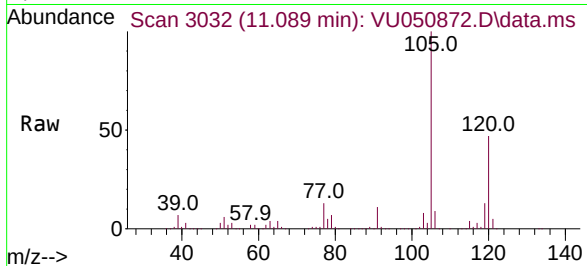




#62
1,3,5-Trimethylbenzene
Concen: 52.875 ug/L
RT: 11.089 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

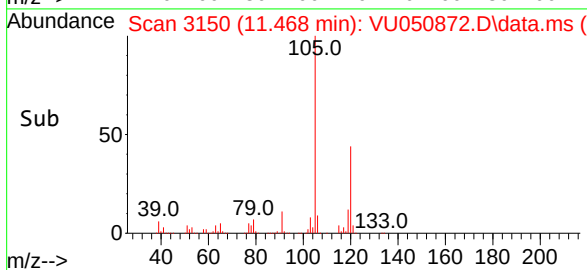
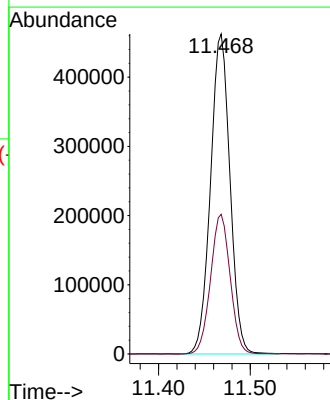
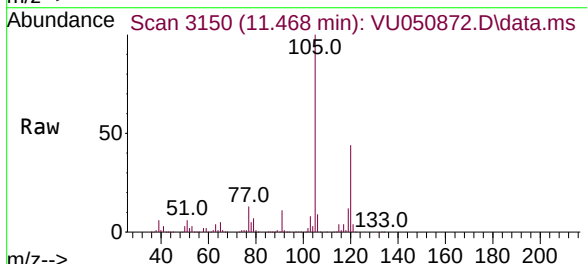
Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

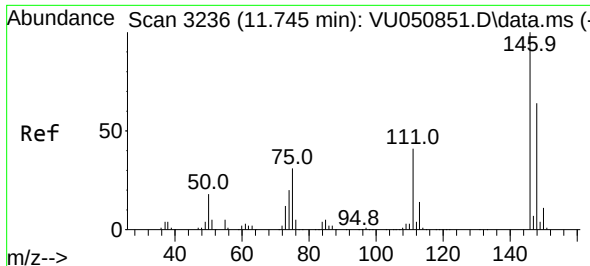
Tgt Ion:105 Resp: 670117
Ion Ratio Lower Upper
105 100
120 47.5 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 54.305 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion:105 Resp: 681583
Ion Ratio Lower Upper
105 100
120 43.9 34.9 52.3

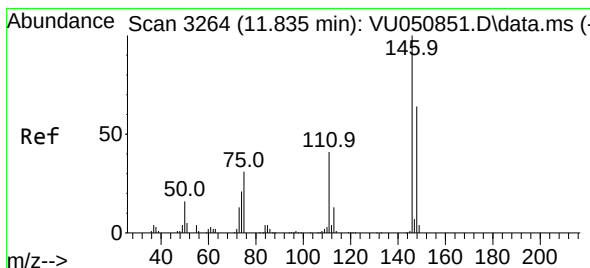
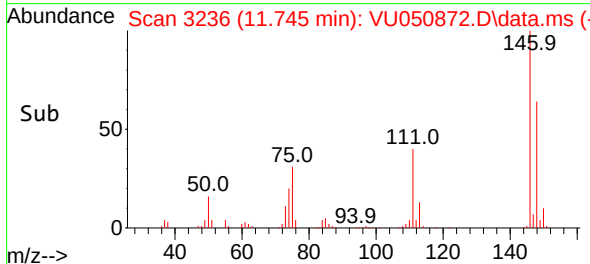
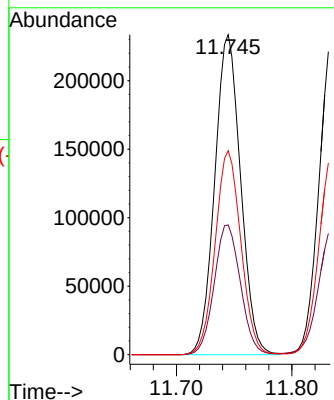
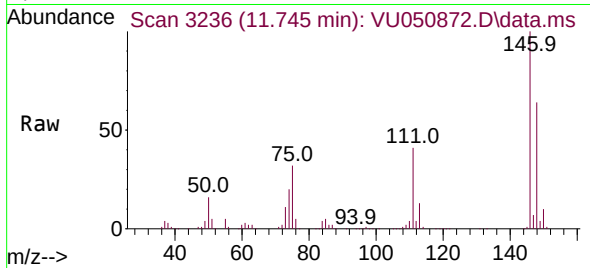




#64
 1,3-Dichlorobenzene
 Concen: 51.585 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

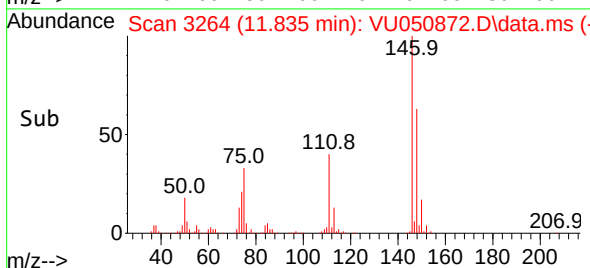
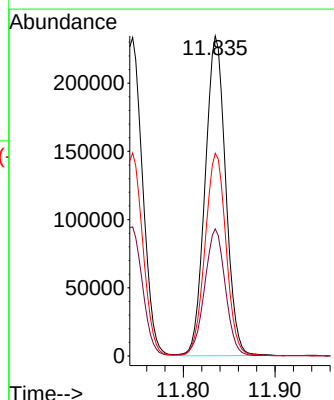
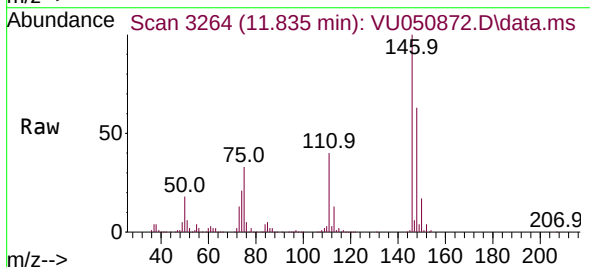
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089

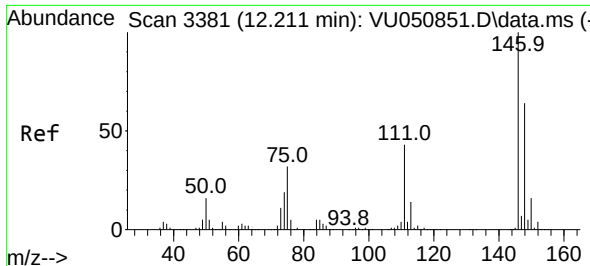
Tgt Ion:146 Resp: 363687
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.9 51.7
 148 63.8 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 50.951 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

Tgt Ion:146 Resp: 364686
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.5 51.1
 148 63.3 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 51.128 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050089

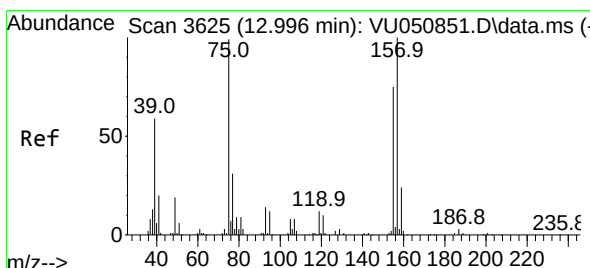
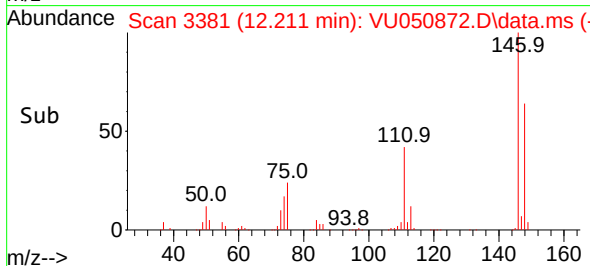
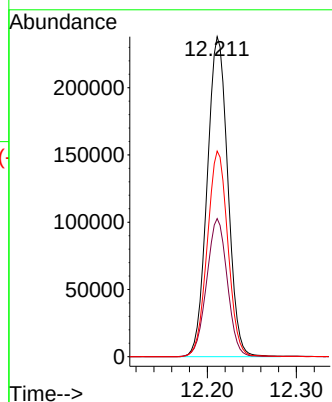
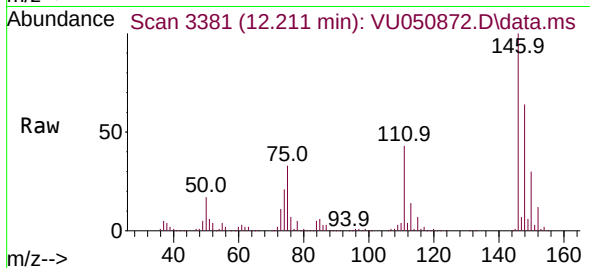
Tgt Ion:146 Resp: 381667

Ion Ratio Lower Upper

146 100

111 43.1 35.2 52.8

148 64.3 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 53.469 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU050872.D

Acq: 21 Sep 2022 10:09

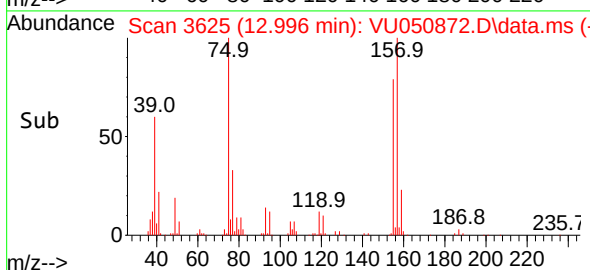
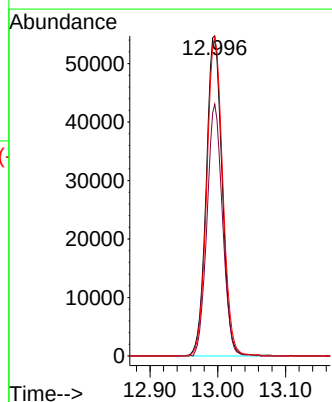
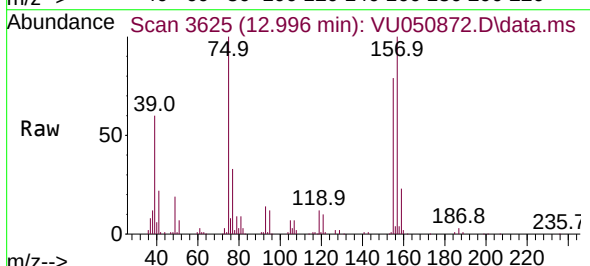
Tgt Ion: 75 Resp: 89236

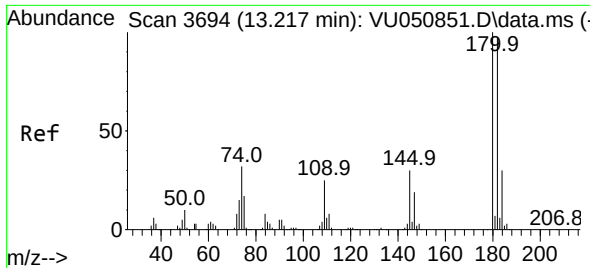
Ion Ratio Lower Upper

75 100

155 78.7 63.8 95.8

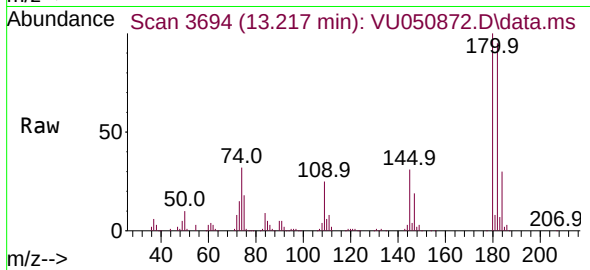
157 103.3 81.8 122.8



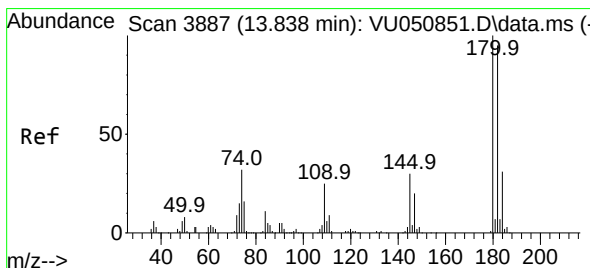
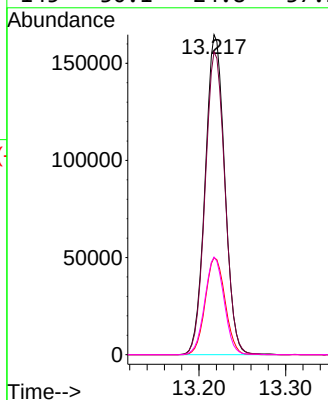
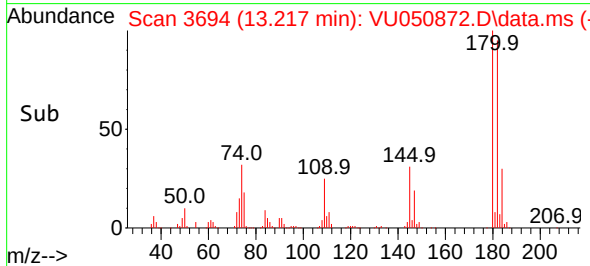


#69
 1,3,5-Trichlorobenzene
 Concen: 52.411 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09

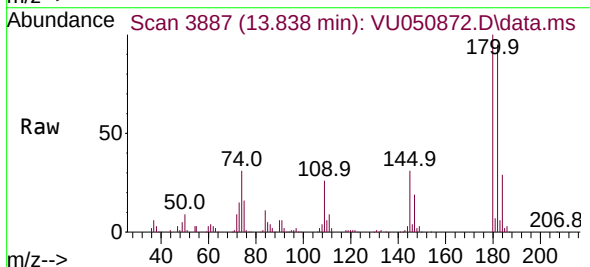
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089



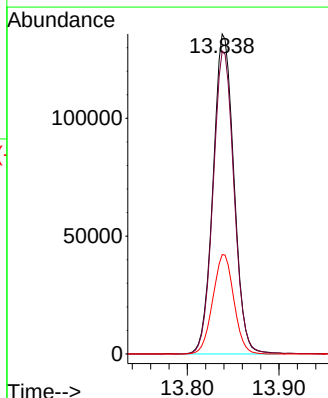
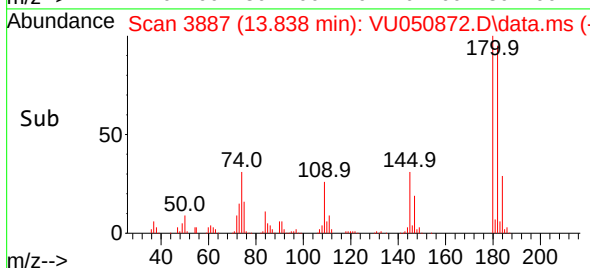
Tgt Ion:180 Resp: 258531
 Ion Ratio Lower Upper
 180 100
 182 95.7 78.2 117.2
 184 30.7 24.8 37.2
 145 30.1 24.8 37.2

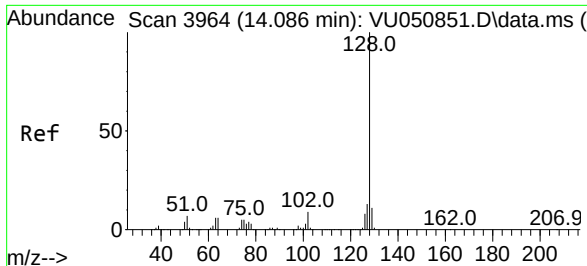


#70
 1,2,4-trichlorobenzene
 Concen: 53.131 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU050872.D
 Acq: 21 Sep 2022 10:09



Tgt Ion:180 Resp: 214477
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.2
 145 31.4 25.1 37.7

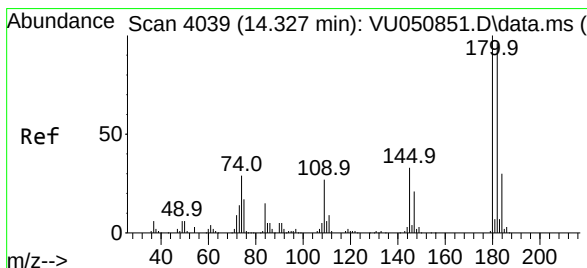
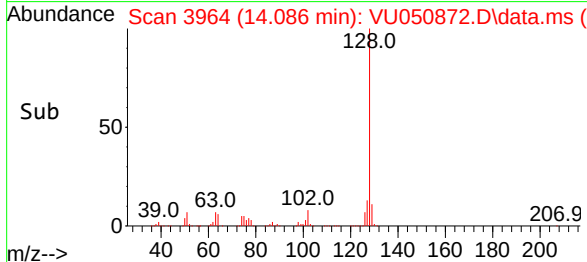
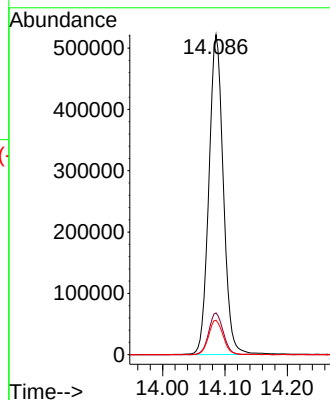
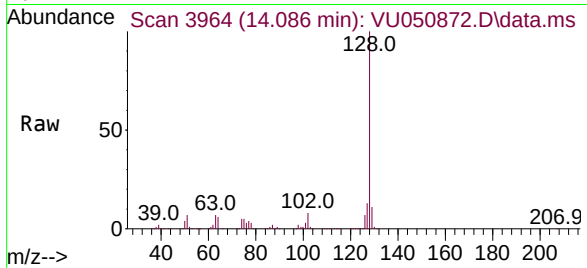




#71
Naphthalene
Concen: 54.215 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050089

Tgt Ion:128 Resp: 841097
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 54.510 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.003 min
Lab File: VU050872.D
Acq: 21 Sep 2022 10:09

Tgt Ion:180 Resp: 246270
Ion Ratio Lower Upper
180 100
182 95.6 76.9 115.3
145 32.7 26.3 39.5

