

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051871.D
 Acq On : 16 Nov 2022 09:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050121

Quant Time: Nov 17 01:17:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	498003	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	498495	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	258957	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	104684	42.818	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.640%
7) Chloroethane-d5	1.903	69	109607	44.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.500%
11) 1,1-Dichloroethene-d2	2.568	63	203385	46.390	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.780%
21) 2-Butanone-d5	4.616	46	255587	91.935	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.940%
24) Chloroform-d	5.060	84	280554	45.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
26) 1,2-Dichloroethane-d4	5.700	65	170980	45.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.140%
32) Benzene-d6	5.726	84	495834	47.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.690	67	181630	46.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.900%
41) Toluene-d8	7.896	98	421132	49.363	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.720%
43) trans-1,3-Dichloroprop...	8.179	79	72882	47.295	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.580%
47) 2-Hexanone-d5	8.632	63	190653	96.962	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.960%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	349141	46.368	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.740%
66) 1,2-Dichlorobenzene-d4	12.192	152	207172	45.460	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	149101	48.766	ug/L	99
3) Chloromethane	1.523	50	191921	47.268	ug/L	100
5) Vinyl chloride	1.604	62	200386	47.580	ug/L	100
6) Bromomethane	1.838	94	94207	51.631	ug/L	99
8) Chloroethane	1.925	64	131605	48.063	ug/L	99
9) Trichlorofluoromethane	2.134	101	249142	49.411	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	156344	49.200	ug/L	98
12) 1,1-Dichloroethene	2.578	96	146471	49.353	ug/L	96
13) Acetone	2.620	43	344518	115.829	ug/L	99
14) Carbon disulfide	2.790	76	395339	48.082	ug/L	99
15) Methyl Acetate	2.944	43	196604	48.485	ug/L	99
16) Methylene chloride	3.044	84	219136	46.252	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	159103	49.746	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	501654	50.677	ug/L	100
19) 1,1-Dichloroethane	3.867	63	320129	49.179	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	189781	50.844	ug/L	98
22) 2-Butanone	4.697	43	387068	115.228	ug/L	100
23) Bromochloromethane	4.973	128	103574	50.283	ug/L	97
25) Chloroform	5.086	83	336680	49.570	ug/L	100

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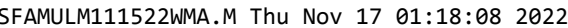
Instrument :
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 ClientSampleId :
 VSTD050121

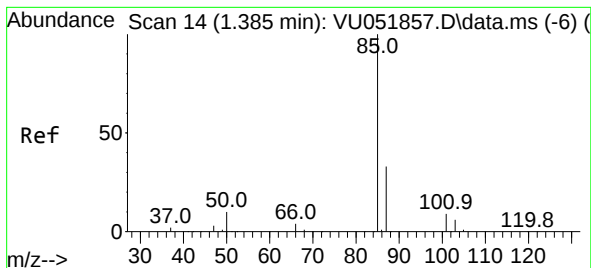
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	249721	49.754	ug/L	100
29) Cyclohexane	5.388	56	226539	53.265	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	252034	50.008	ug/L	99
31) Carbon tetrachloride	5.523	117	213249	50.612	ug/L	99
33) Benzene	5.771	78	751467	52.406	ug/L	100
34) Trichloroethene	6.539	95	173004	50.927	ug/L	98
35) Methylcyclohexane	6.761	83	254573	55.267	ug/L	98
37) 1,2-Dichloropropane	6.790	63	207735	51.162	ug/L	100
38) Bromodichloromethane	7.105	83	258522	50.891	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	273790	51.548	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	559695	104.676	ug/L	100
42) Toluene	7.967	91	804260	54.531	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	266637	52.390	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	208447	50.518	ug/L	98
46) Tetrachloroethene	8.552	164	133903	49.356	ug/L	97
48) 2-Hexanone	8.680	43	527066	114.774	ug/L	98
49) Dibromochloromethane	8.809	129	216575	50.906	ug/L	99
50) 1,2-Dibromoethane	8.922	107	210620	50.706	ug/L	98
51) Chlorobenzene	9.446	112	511610	50.765	ug/L	100
52) Ethylbenzene	9.568	91	811183	53.742	ug/L	98
53) m,p-Xylene	9.693	106	326543	55.890	ug/L	97
54) o-Xylene	10.098	106	329384	55.391	ug/L	99
55) Styrene	10.111	104	576042	56.142	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	389440	49.947	ug/L	99
59) Bromoform	10.288	173	164539	46.864	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	294617	47.561	ug/L	98
61) Isopropylbenzene	10.481	105	809487	53.485	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	673112	54.580	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	673208	55.872	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	394696	51.454	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	395747	50.945	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	411143	50.405	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	75636	47.690	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	264599	51.993	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	210339	52.144	ug/L	99
71) Naphthalene	14.085	128	711732	53.649	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	236582	53.585	ug/L	99

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

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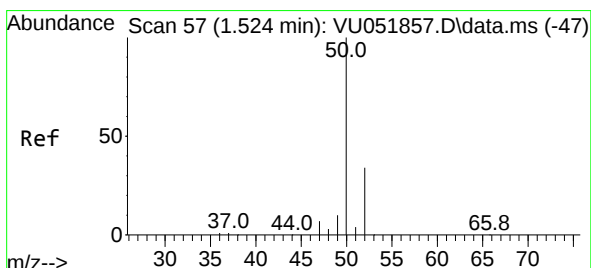
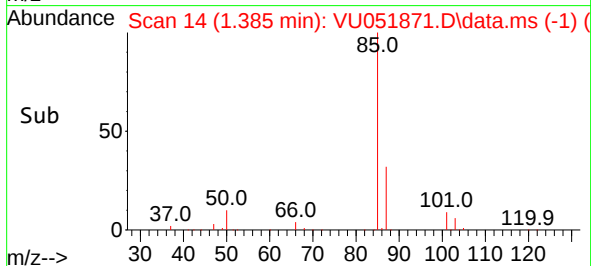
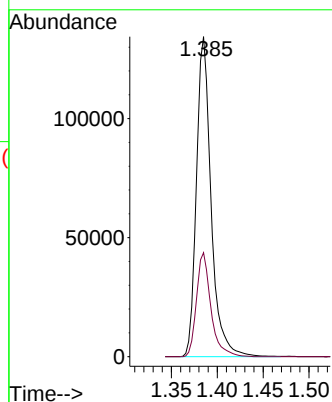
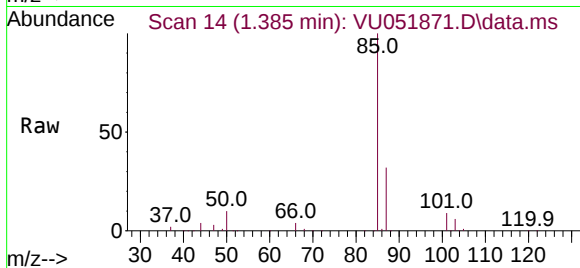




#2
Dichlorodifluoromethane
Concen: 48.766 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

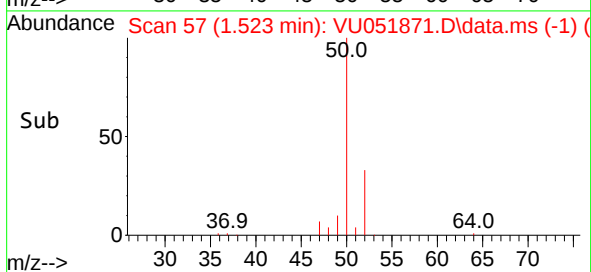
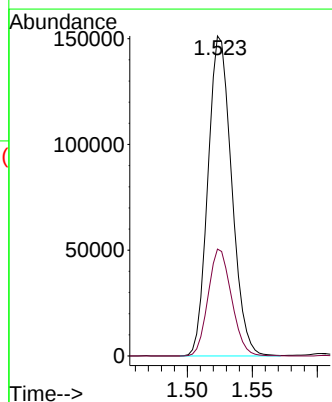
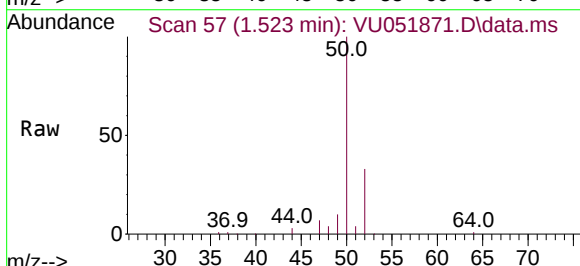
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

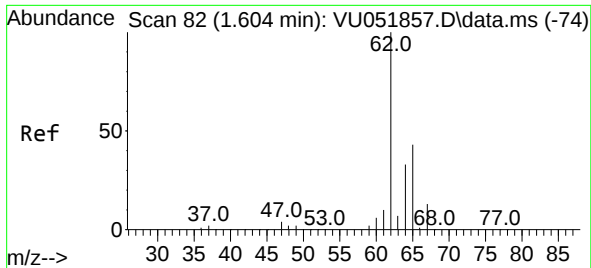
Tgt Ion: 85 Resp: 149101
Ion Ratio Lower Upper
85 100
87 32.0 26.0 39.0



#3
Chloromethane
Concen: 47.268 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion: 50 Resp: 191921
Ion Ratio Lower Upper
50 100
52 33.4 23.4 43.6

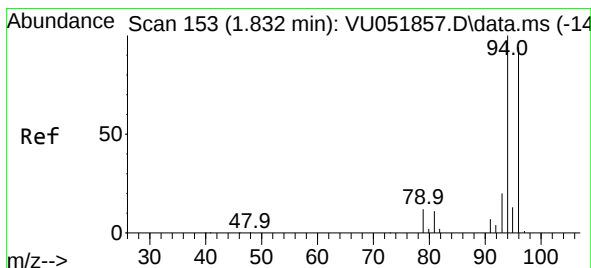
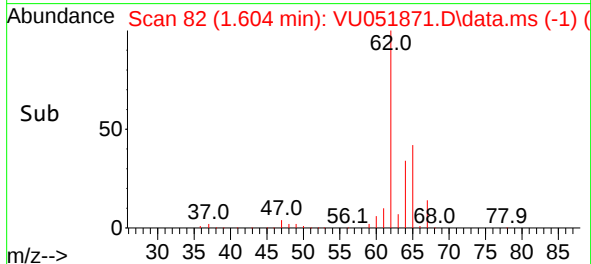
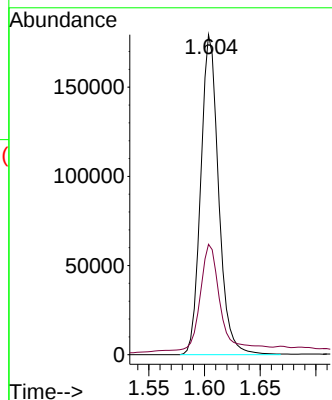
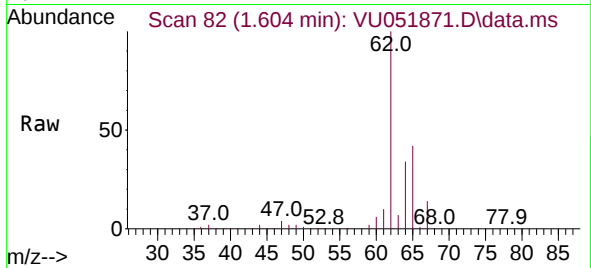




#5
 Vinyl chloride
 Concen: 47.580 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

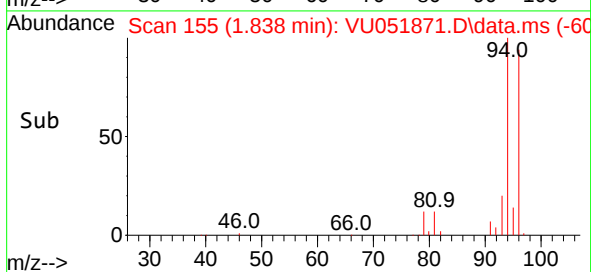
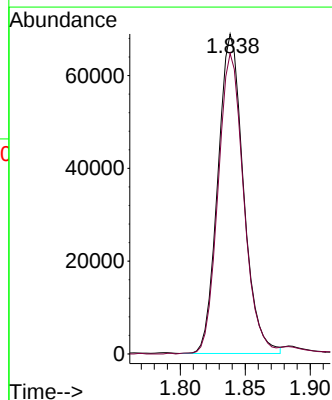
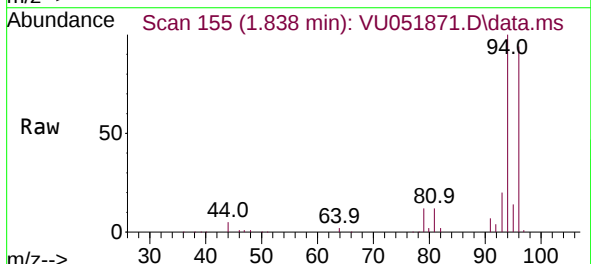
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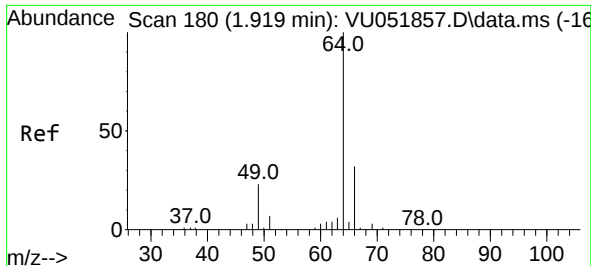
Tgt Ion: 62 Resp: 200386
 Ion Ratio Lower Upper
 62 100
 64 34.5 24.3 45.1



#6
 Bromomethane
 Concen: 51.631 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. 0.006 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

Tgt Ion: 94 Resp: 94207
 Ion Ratio Lower Upper
 94 100
 96 93.9 66.1 122.7

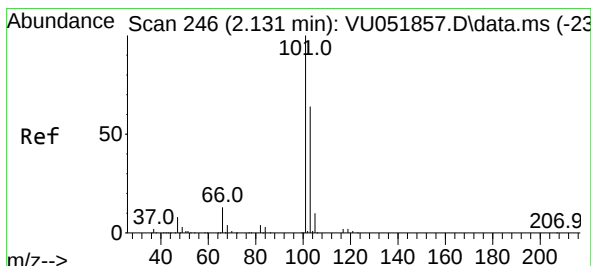
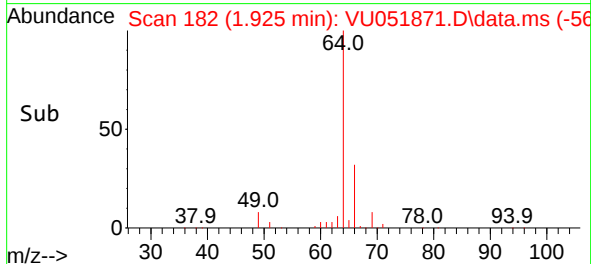
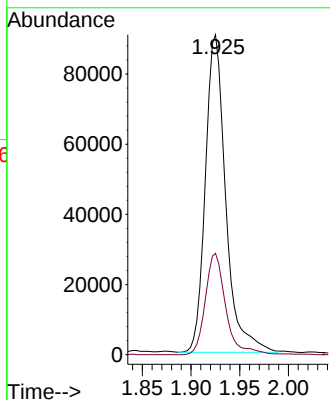
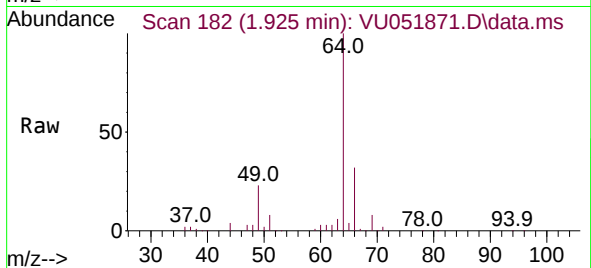




#8
Chloroethane
Concen: 48.063 ug/L
RT: 1.925 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

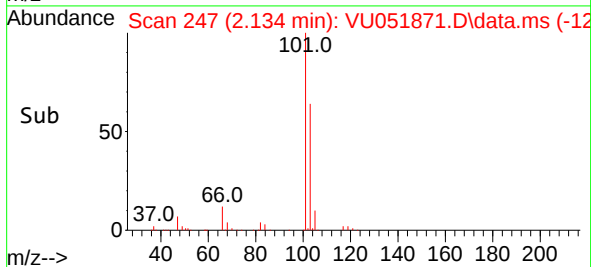
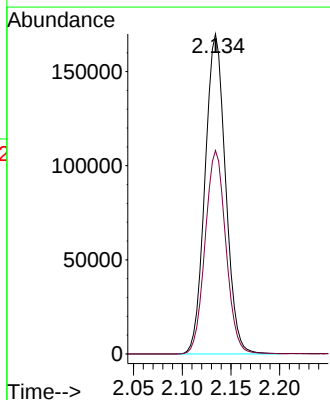
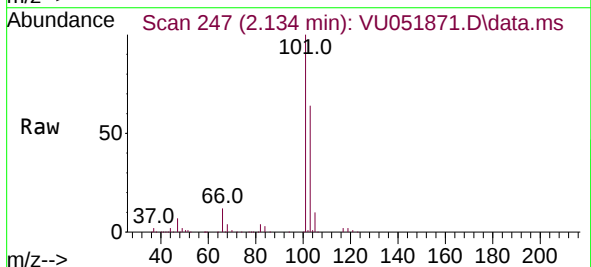
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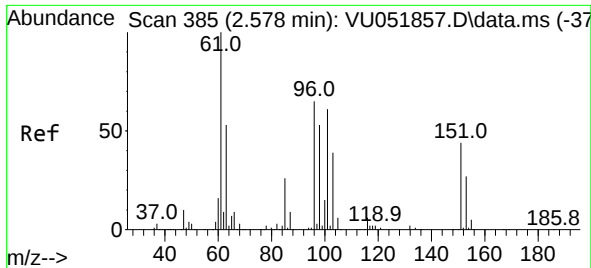
Tgt Ion: 64 Resp: 131605
Ion Ratio Lower Upper
64 100
66 31.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 49.411 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion:101 Resp: 249142
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

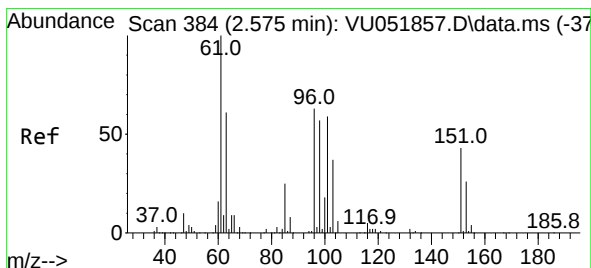
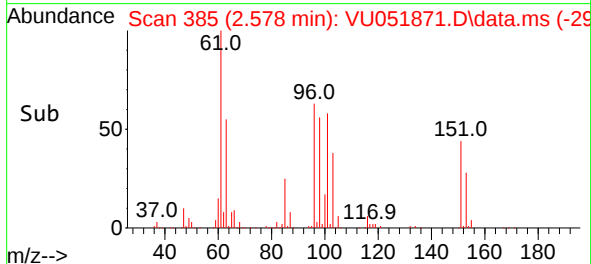
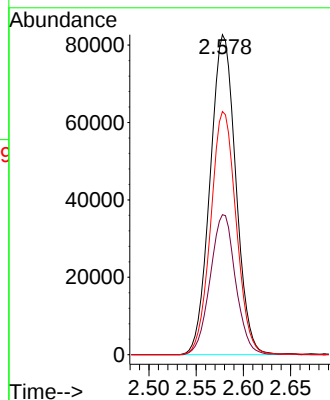
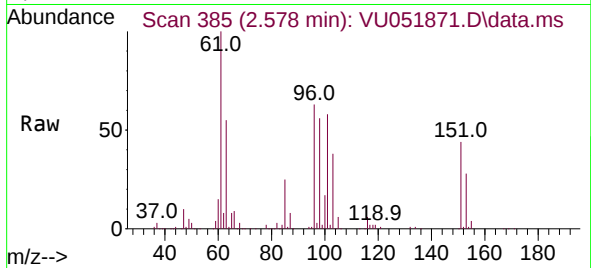




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.200 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

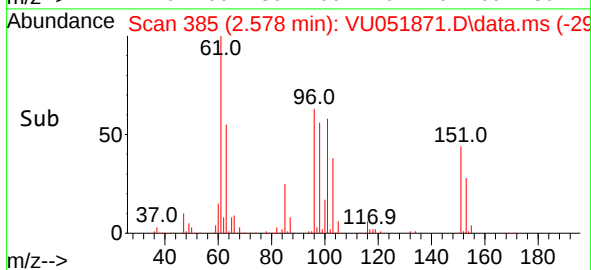
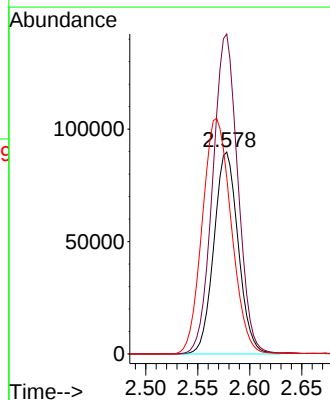
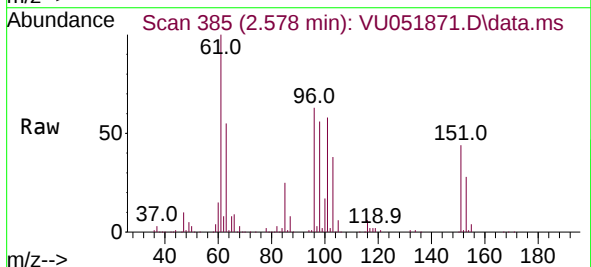
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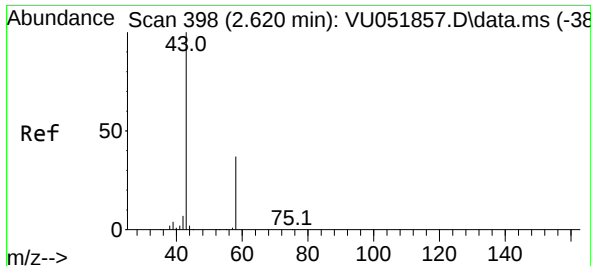
Tgt Ion:101 Resp: 156344
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.2 51.2
 151 75.4 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 49.353 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

Tgt Ion: 96 Resp: 146471
 Ion Ratio Lower Upper
 96 100
 61 158.5 110.7 205.5
 63 87.5 68.6 127.4





#13

Acetone

Concen: 115.829 ug/L

RT: 2.620 min Scan# 398

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

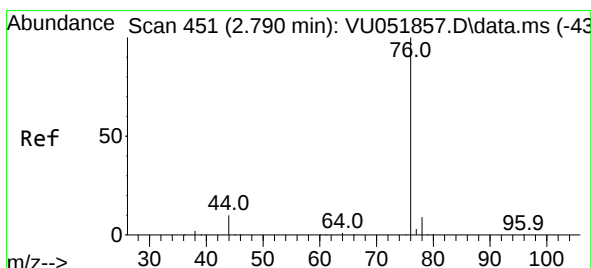
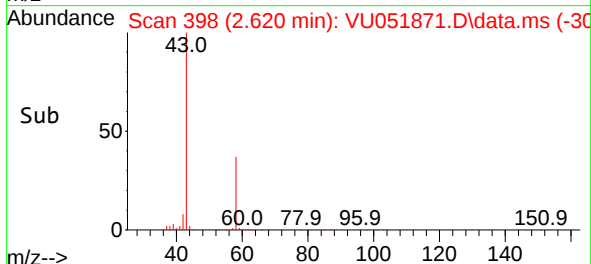
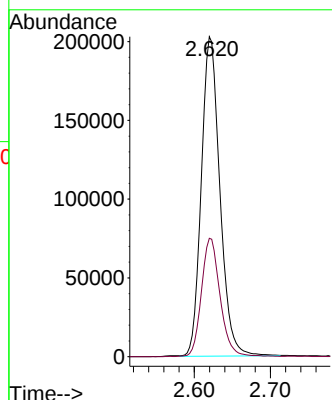
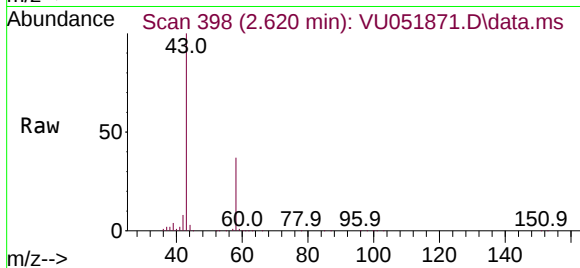
VSTD050121

Tgt Ion: 43 Resp: 344518

Ion Ratio Lower Upper

43 100

58 36.9 0.0 75.4



#14

Carbon disulfide

Concen: 48.082 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051871.D

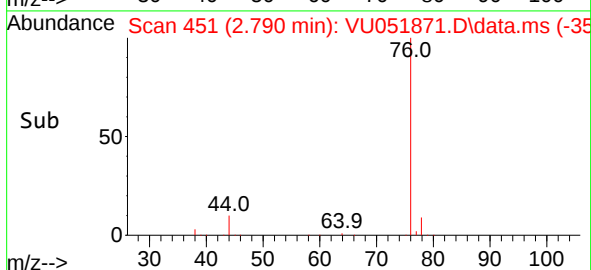
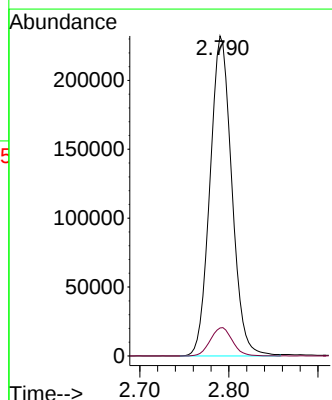
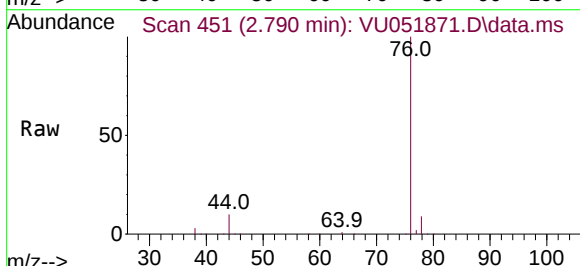
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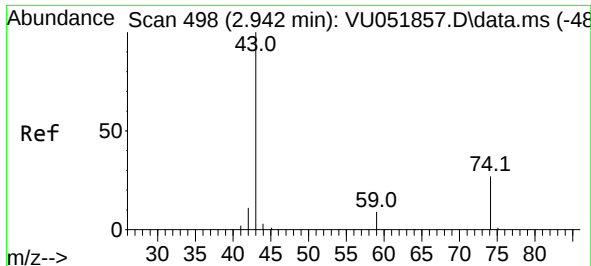
Tgt Ion: 76 Resp: 395339

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

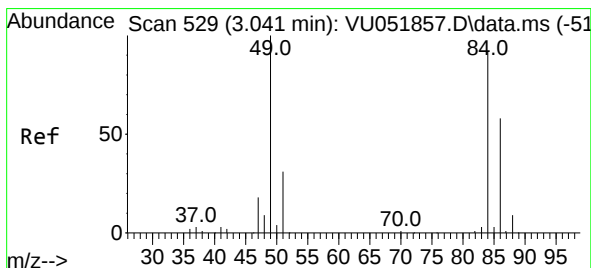
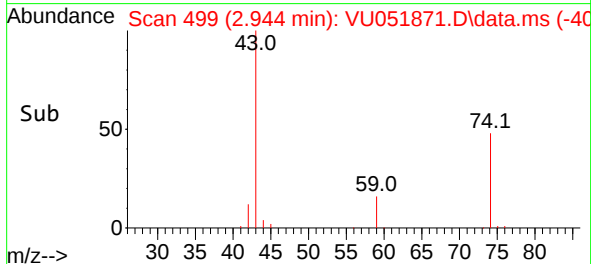
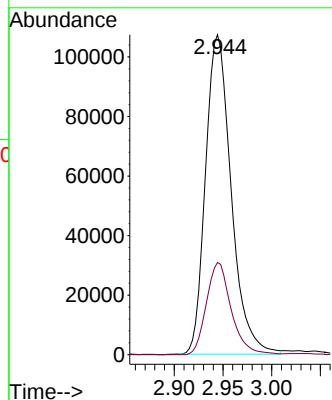
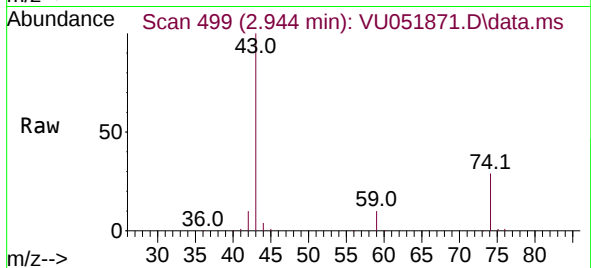




#15
Methyl Acetate
Concen: 48.485 ug/L
RT: 2.944 min Scan# 498
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

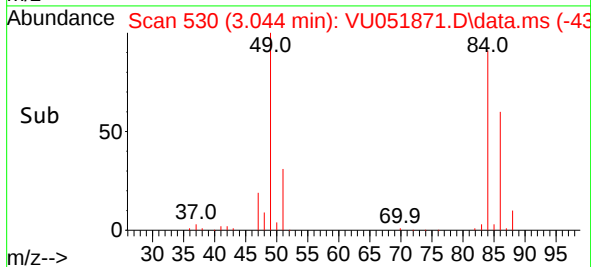
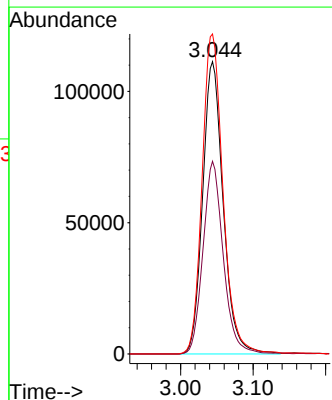
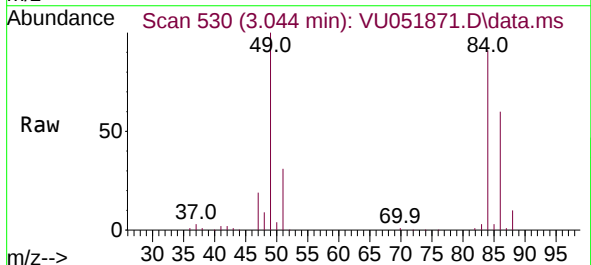
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

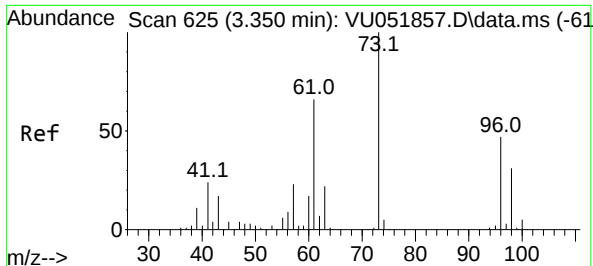
Tgt Ion: 43 Resp: 196604
Ion Ratio Lower Upper
43 100
74 27.9 21.8 32.8



#16
Methylene chloride
Concen: 46.252 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion: 84 Resp: 219136
Ion Ratio Lower Upper
84 100
86 65.9 44.7 82.9
49 109.5 76.5 142.1





#17

trans-1,2-Dichloroethene

Concen: 49.746 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050121

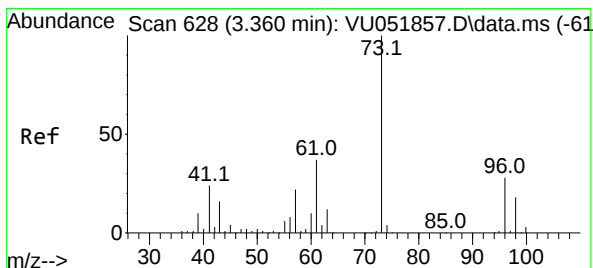
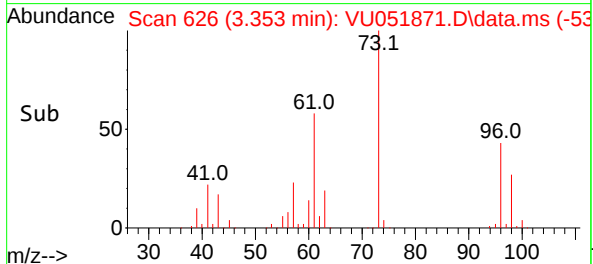
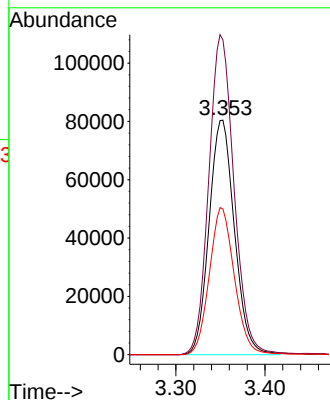
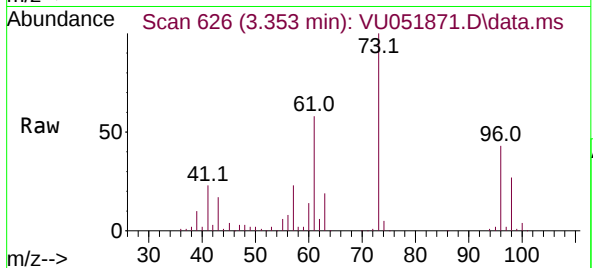
Tgt Ion: 96 Resp: 159103

Ion Ratio Lower Upper

96 100

61 134.2 98.3 182.7

98 62.1 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 50.677 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

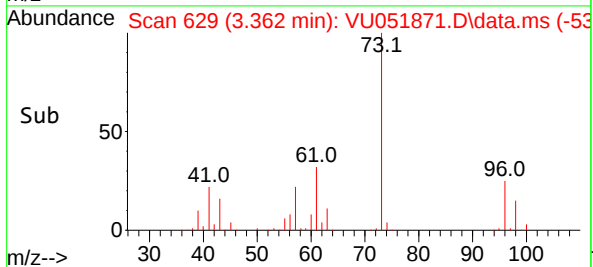
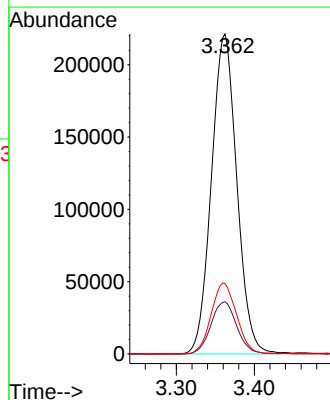
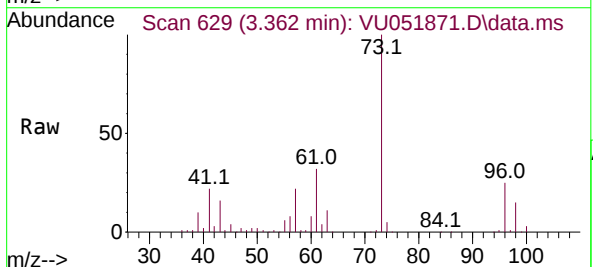
Tgt Ion: 73 Resp: 501654

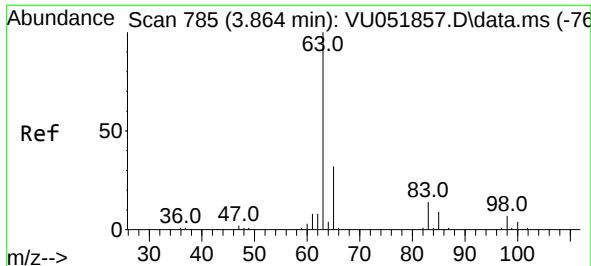
Ion Ratio Lower Upper

73 100

43 16.7 13.4 20.0

57 22.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 49.179 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050121

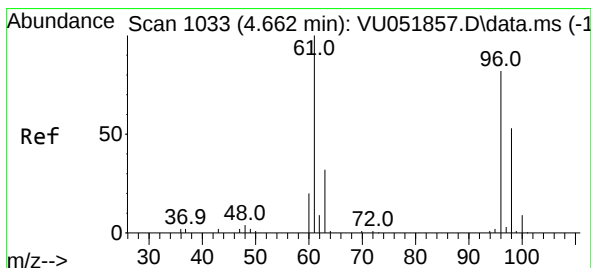
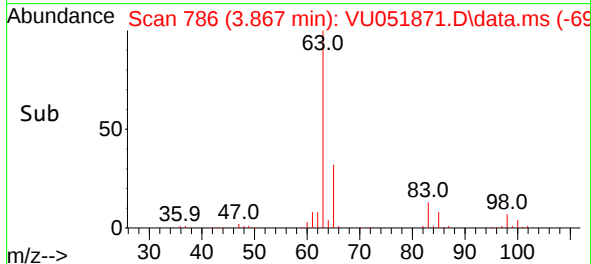
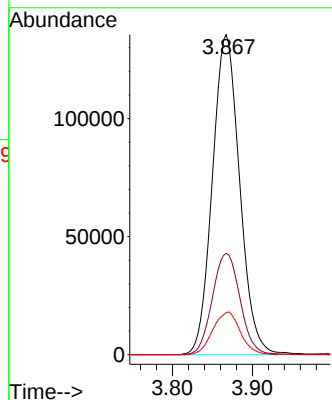
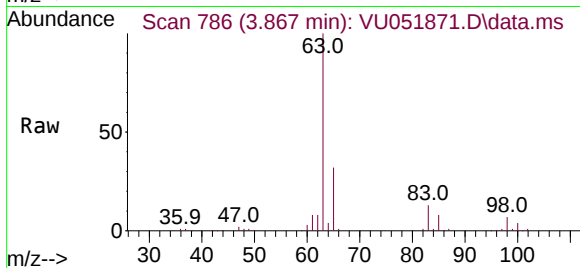
Tgt Ion: 63 Resp: 320129

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

83 13.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 50.844 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

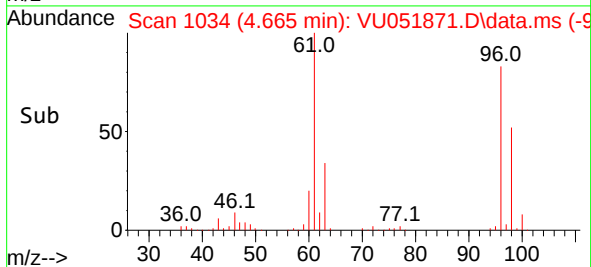
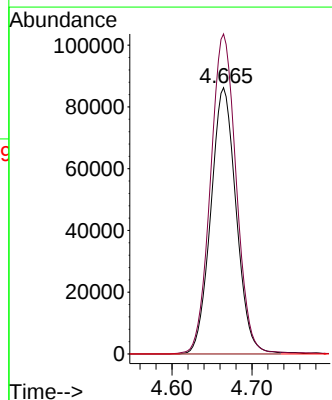
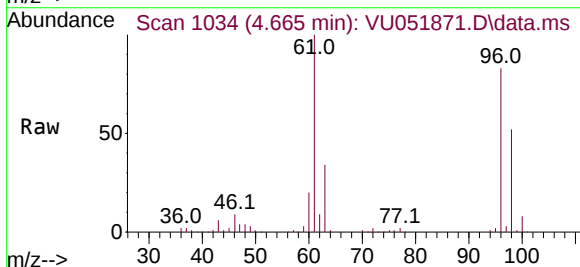
Tgt Ion: 96 Resp: 189781

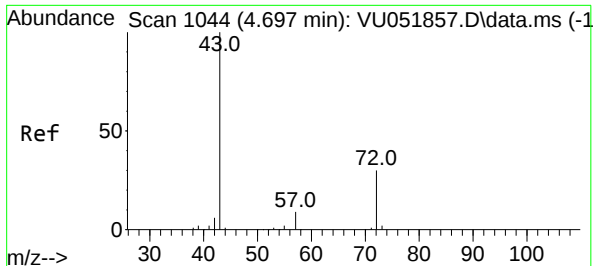
Ion Ratio Lower Upper

96 100

61 120.2 86.0 159.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 115.228 ug/L

RT: 4.697 min Scan# 110

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

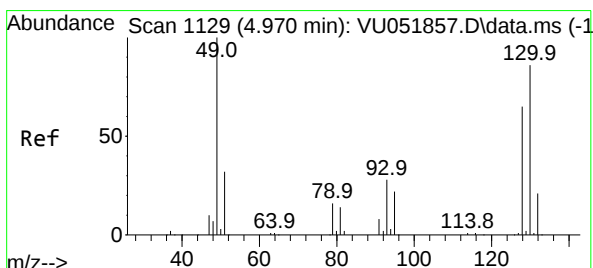
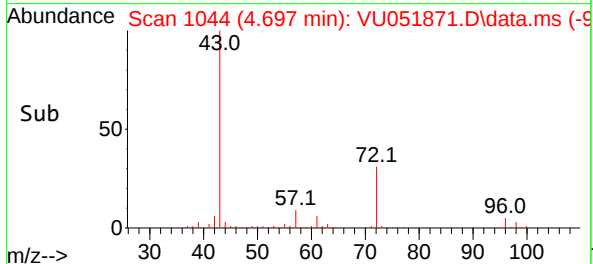
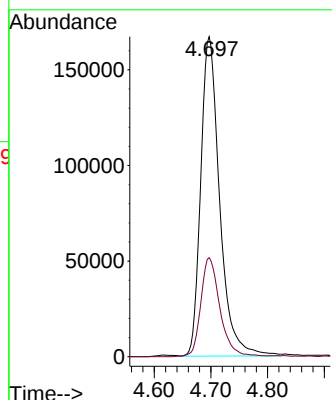
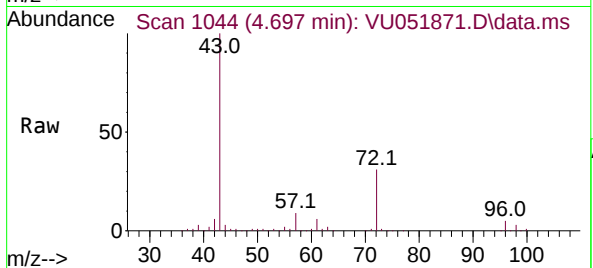
VSTD050121

Tgt Ion: 43 Resp: 387068

Ion Ratio Lower Upper

43 100

72 31.4 15.7 47.1



#23

Bromochloromethane

Concen: 50.283 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Tgt Ion:128 Resp: 103574

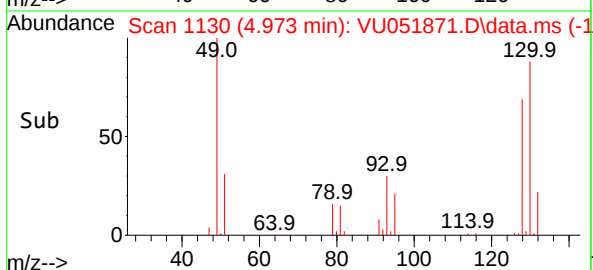
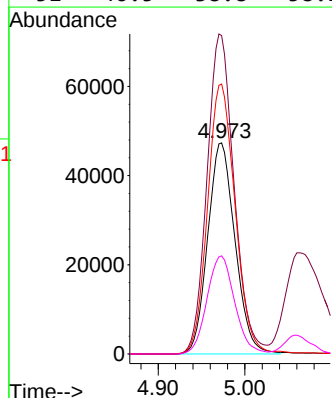
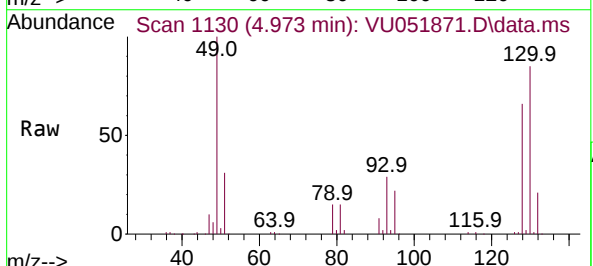
Ion Ratio Lower Upper

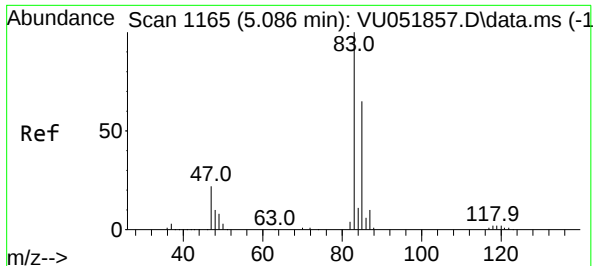
128 100

49 150.8 107.2 199.0

130 127.9 92.5 171.7

51 46.5 38.8 58.2





#25

Chloroform

Concen: 49.570 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

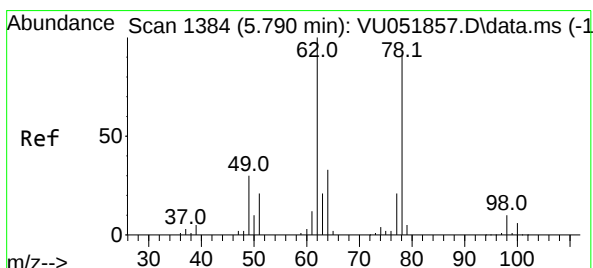
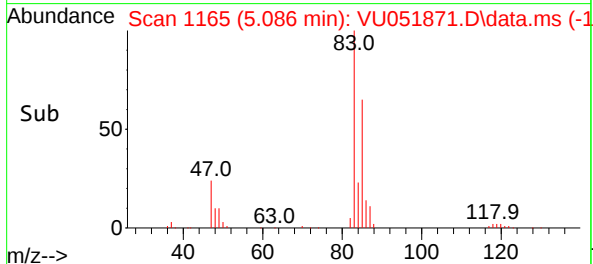
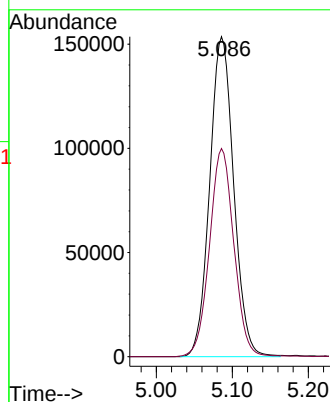
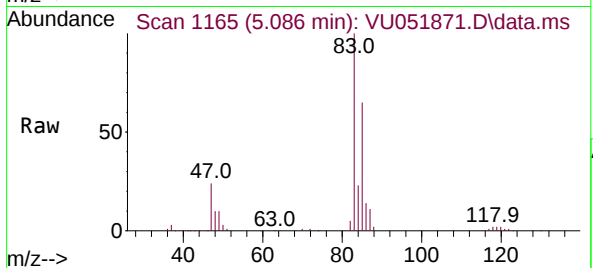
VSTD050121

Tgt Ion: 83 Resp: 336680

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 49.754 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051871.D

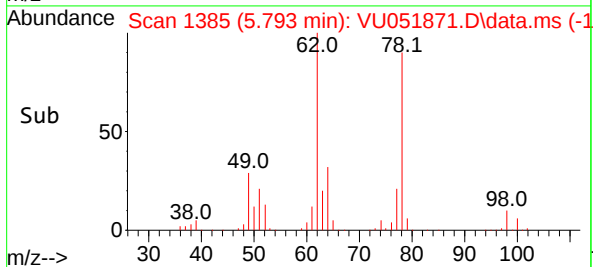
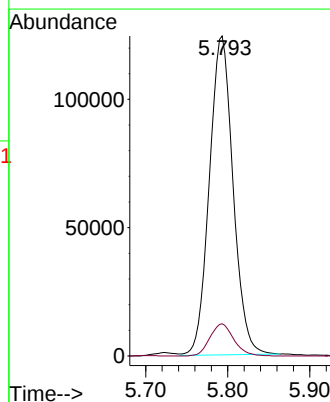
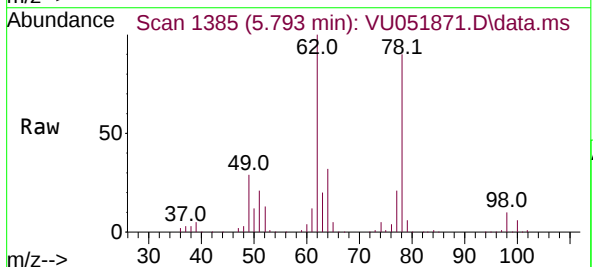
Acq: 16 Nov 2022 09:52

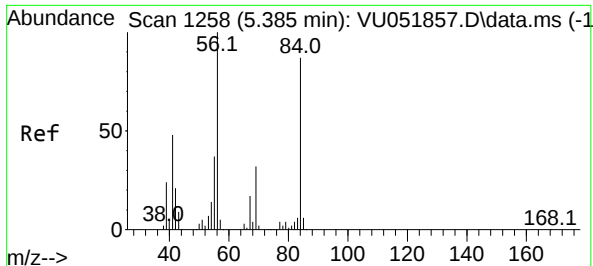
Tgt Ion: 62 Resp: 249721

Ion Ratio Lower Upper

62 100

98 10.0 8.1 12.1





#29

Cyclohexane

Concen: 53.265 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050121

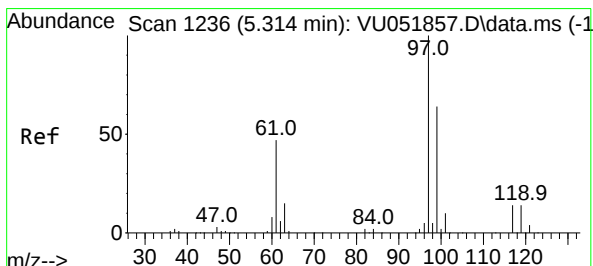
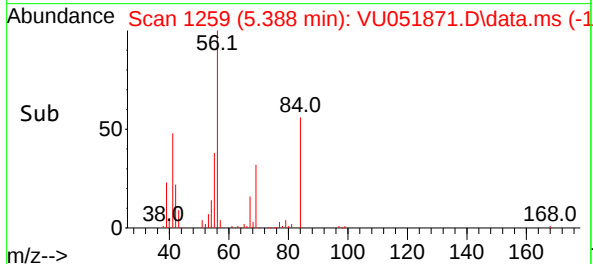
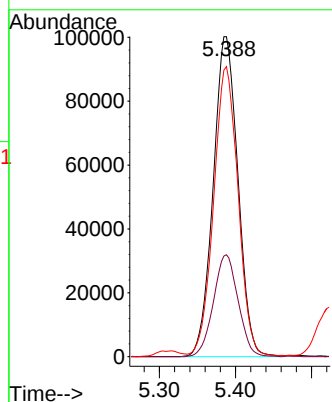
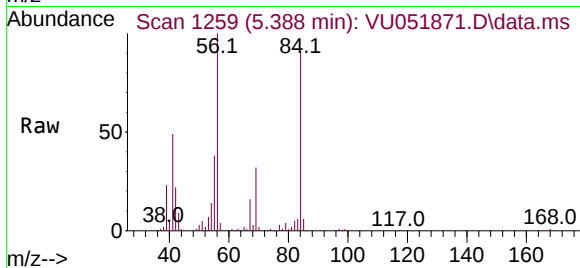
Tgt Ion: 56 Resp: 226539

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 88.7 71.4 107.0



#30

1,1,1-Trichloroethane

Concen: 50.008 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

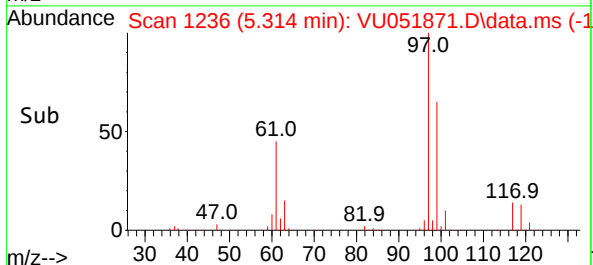
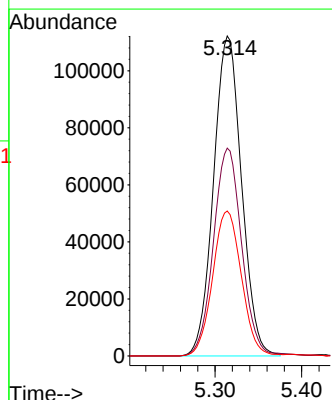
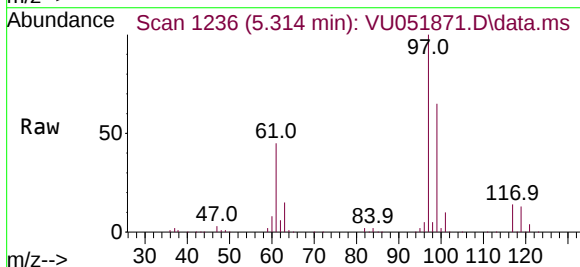
Tgt Ion: 97 Resp: 252034

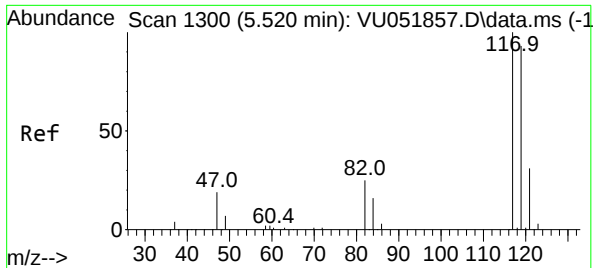
Ion Ratio Lower Upper

97 100

99 65.7 51.2 76.8

61 46.5 37.4 56.2

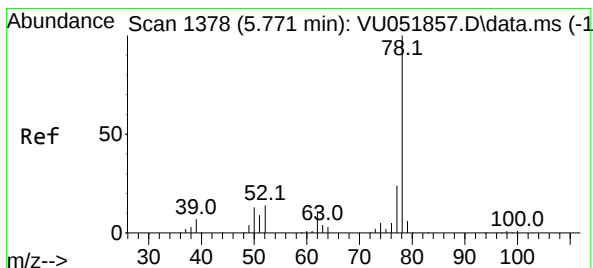
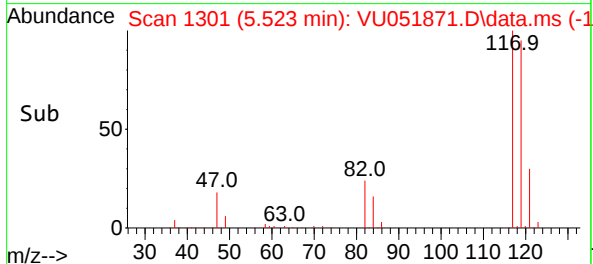
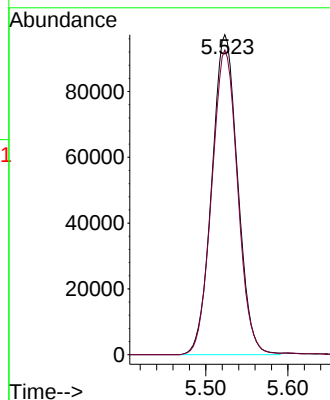
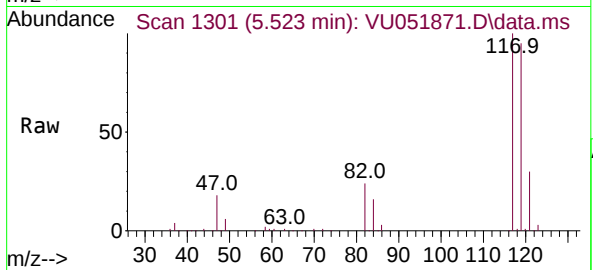




#31
Carbon tetrachloride
Concen: 50.612 ug/L
RT: 5.523 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

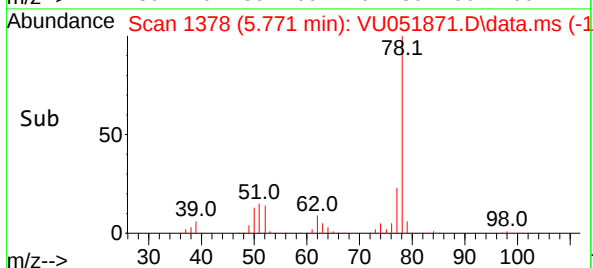
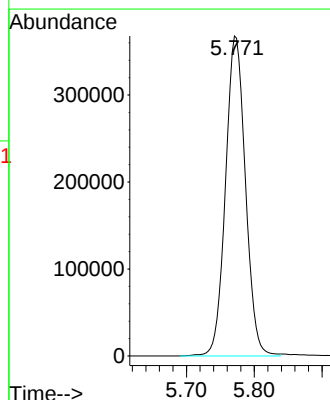
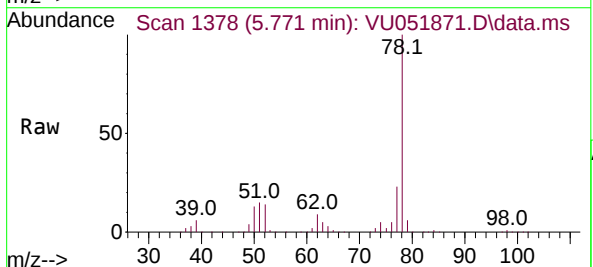
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

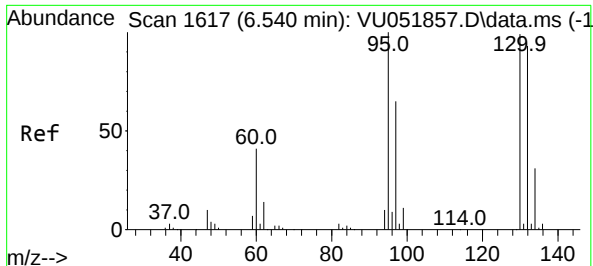
Tgt Ion:117 Resp: 213249
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4



#33
Benzene
Concen: 52.406 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion: 78 Resp: 751467

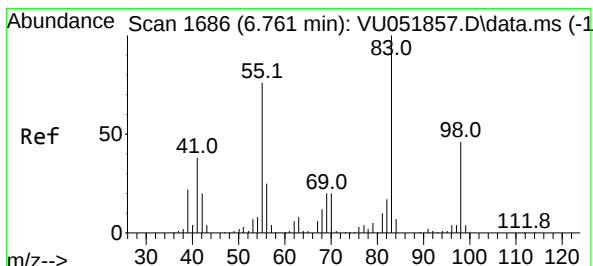
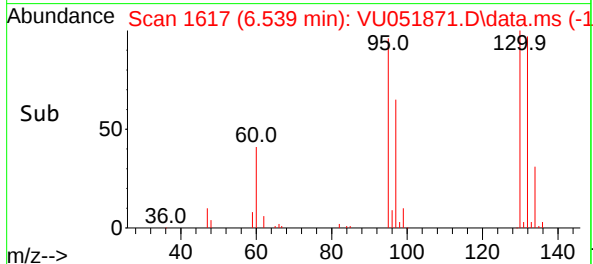
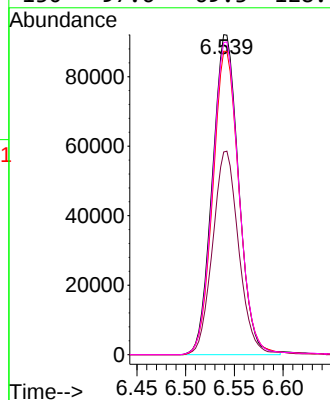
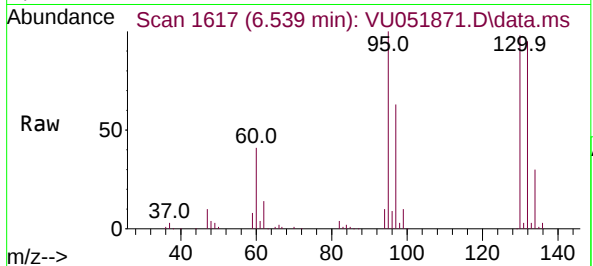




#34
Trichloroethene
Concen: 50.927 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

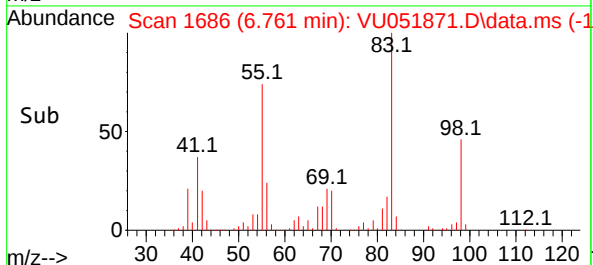
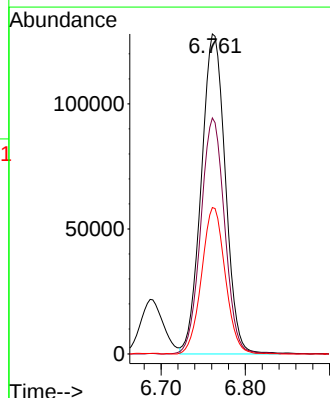
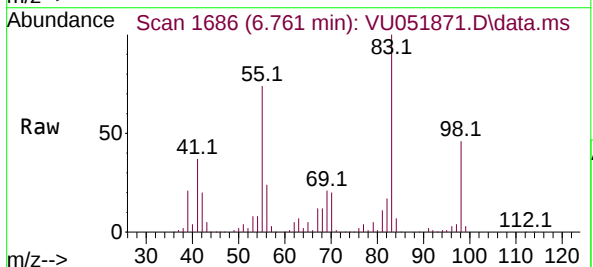
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

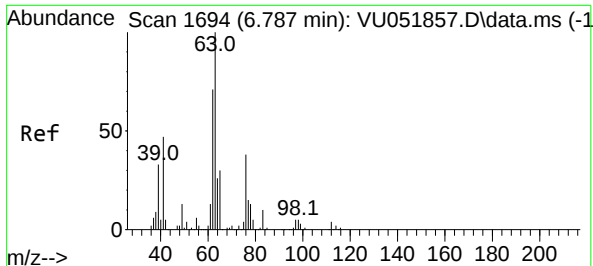
Tgt Ion: 95 Resp: 173004
Ion Ratio Lower Upper
95 100
97 63.4 45.8 85.0
132 94.8 65.3 121.3
130 97.6 69.3 128.7



#35
Methylcyclohexane
Concen: 55.267 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion: 83 Resp: 254573
Ion Ratio Lower Upper
83 100
55 72.9 60.0 90.0
98 44.9 35.8 53.8





#37

1,2-Dichloropropane

Concen: 51.162 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

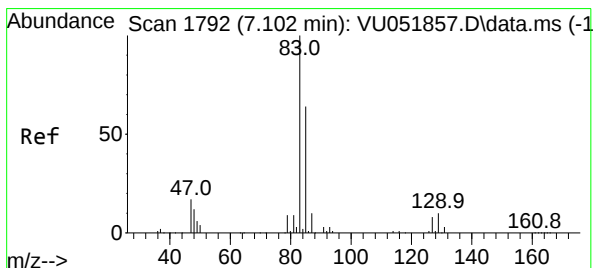
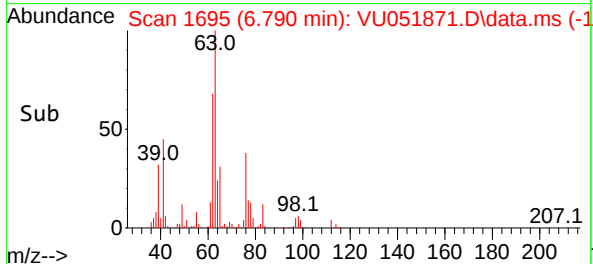
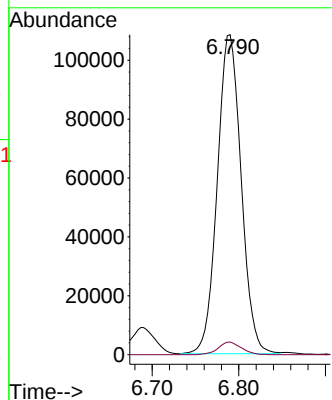
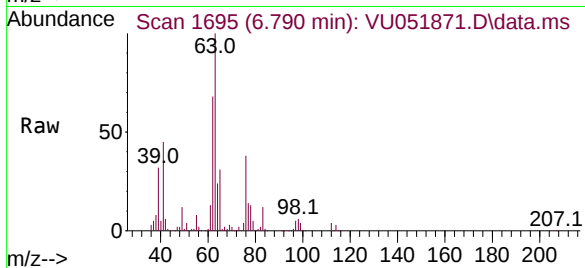
VSTD050121

Tgt Ion: 63 Resp: 207735

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 50.891 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

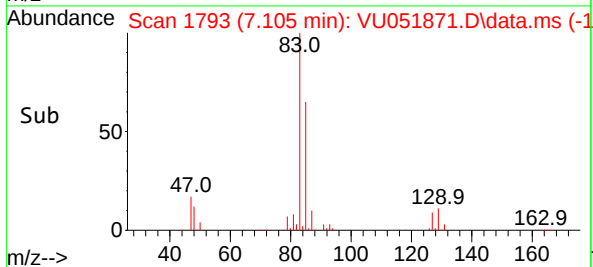
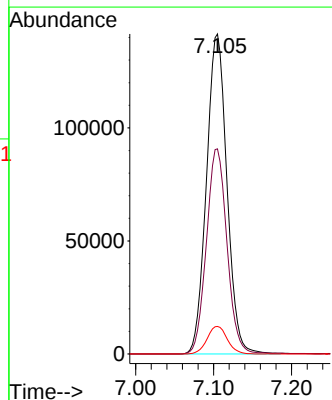
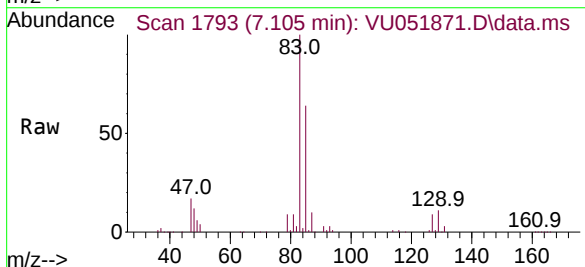
Tgt Ion: 83 Resp: 258522

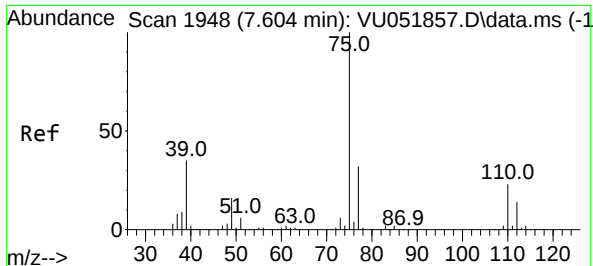
Ion Ratio Lower Upper

83 100

85 64.1 44.6 82.8

127 8.6 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 51.548 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

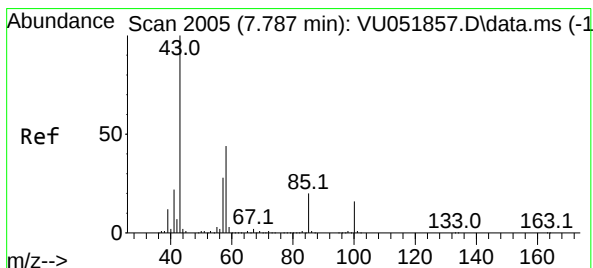
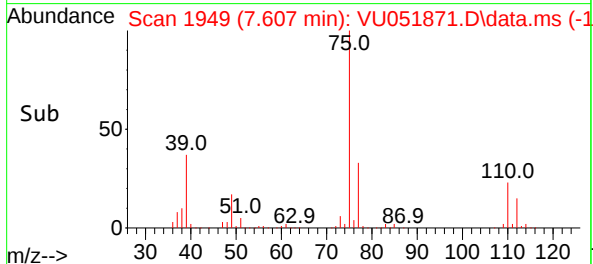
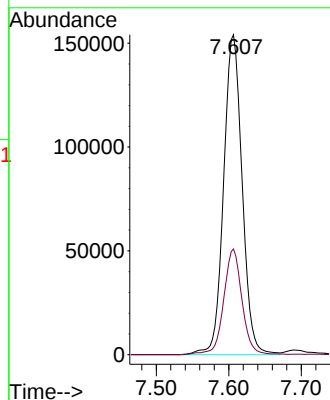
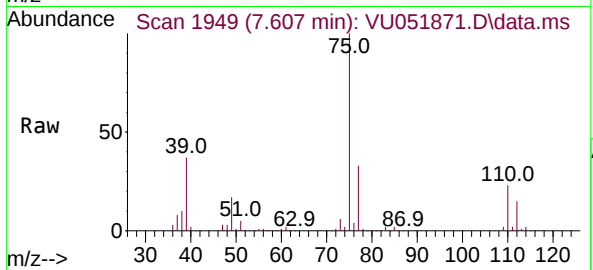
VSTD050121

Tgt Ion: 75 Resp: 273790

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 104.676 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

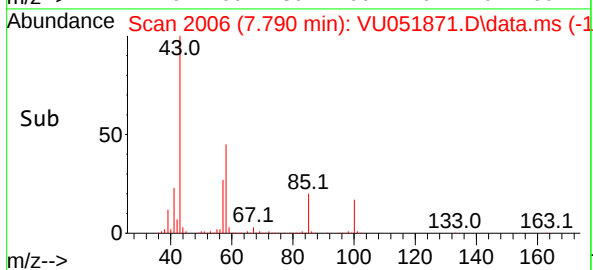
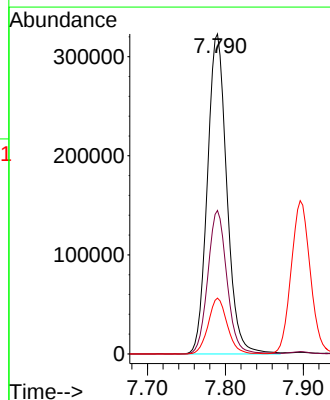
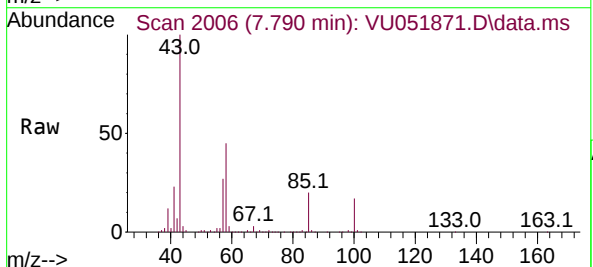
Tgt Ion: 43 Resp: 559695

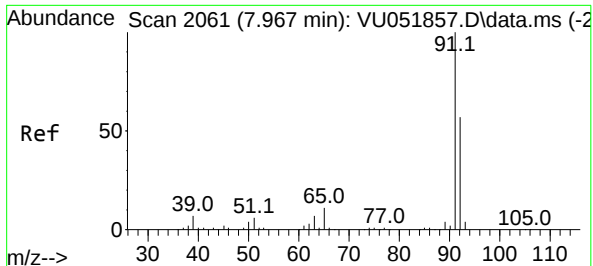
Ion Ratio Lower Upper

43 100

58 44.2 35.4 53.2

100 17.1 13.4 20.0





#42

Toluene

Concen: 54.531 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

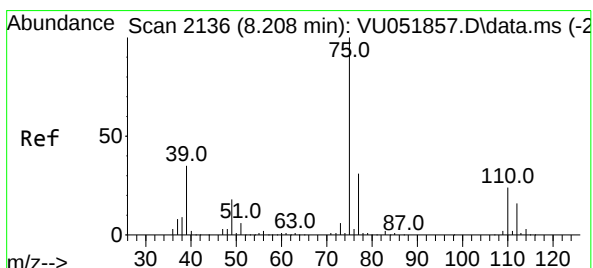
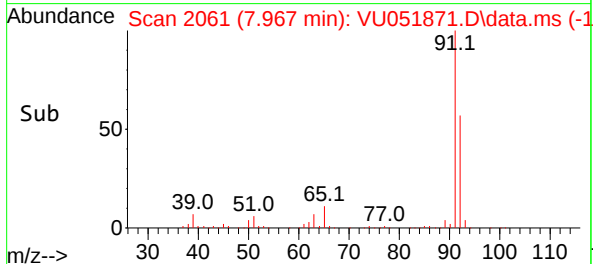
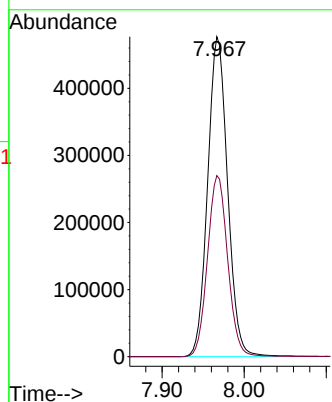
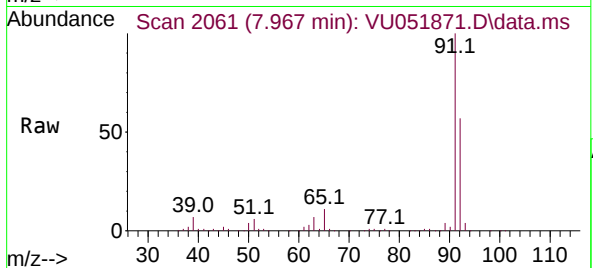
VSTD050121

Tgt Ion: 91 Resp: 804260

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 52.390 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051871.D

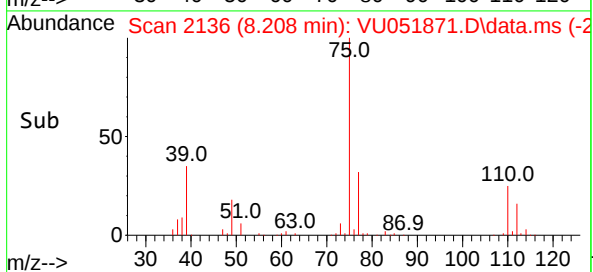
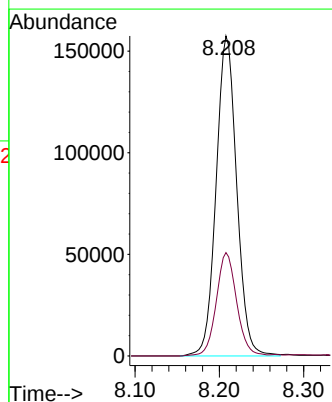
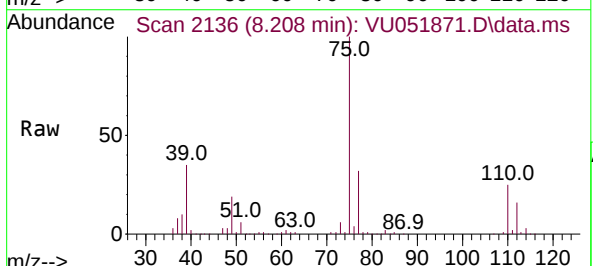
Acq: 16 Nov 2022 09:52

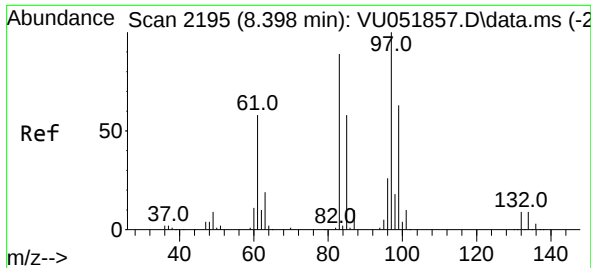
Tgt Ion: 75 Resp: 266637

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



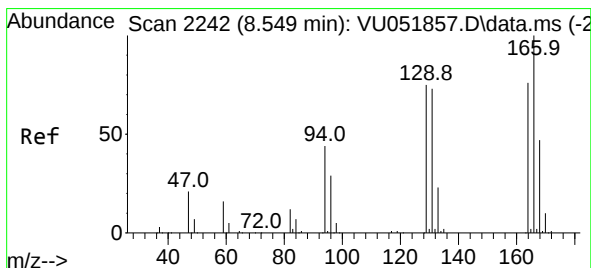
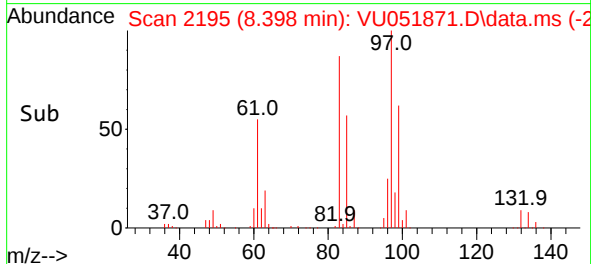
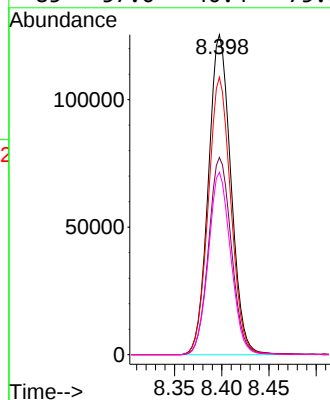
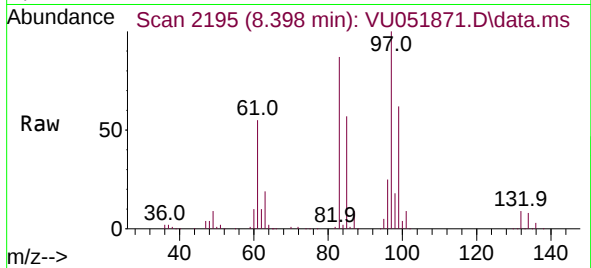


#45
1,1,2-Trichloroethane
Concen: 50.518 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

Tgt Ion: 97 Resp: 208447

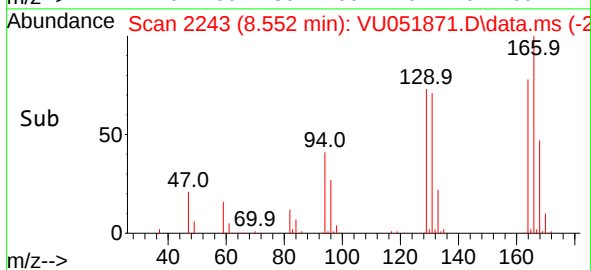
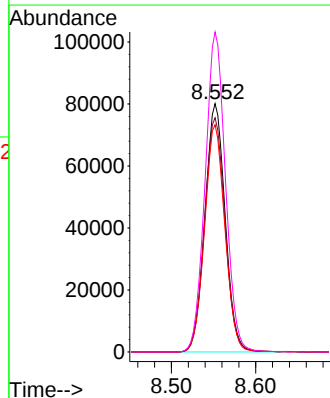
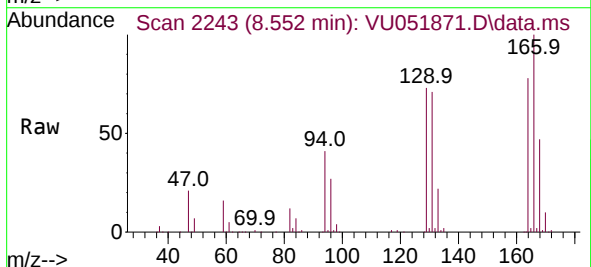
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.3	82.3
83	86.7	62.3	115.7
85	57.0	40.4	75.0

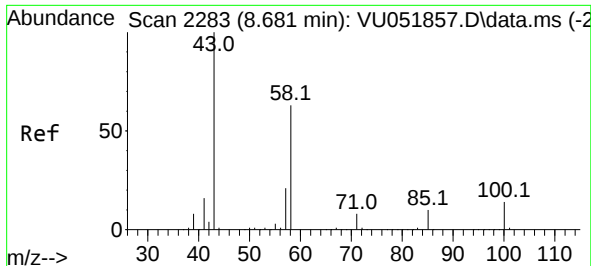


#46
Tetrachloroethene
Concen: 49.356 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion: 164 Resp: 133903

Ion	Ratio	Lower	Upper
164	100		
129	94.3	68.5	127.1
131	91.5	66.6	123.8
166	128.8	91.9	170.7

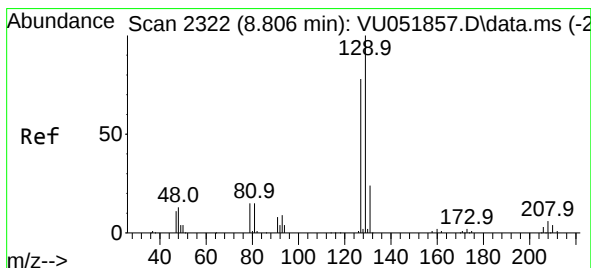
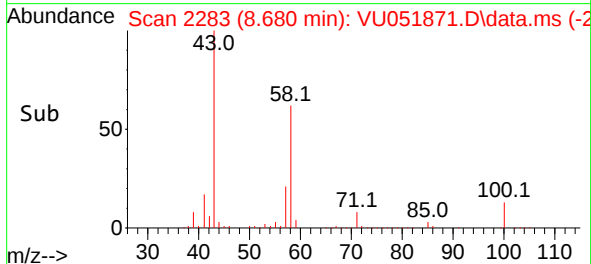
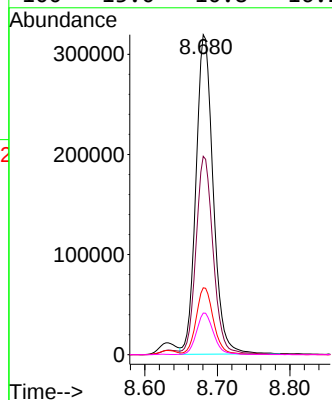
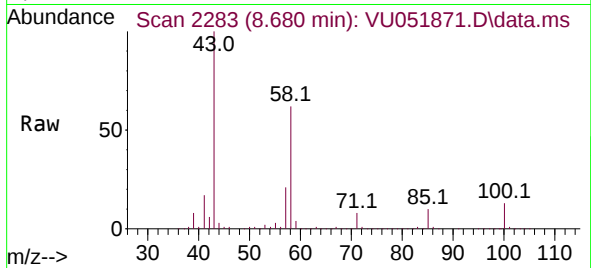




#48
2-Hexanone
Concen: 114.774 ug/L
RT: 8.680 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

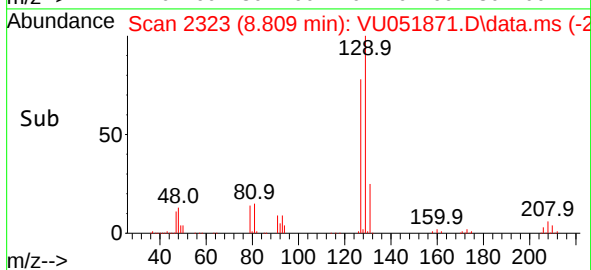
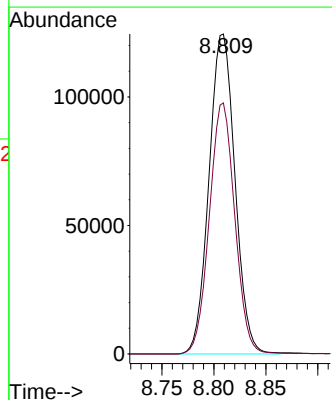
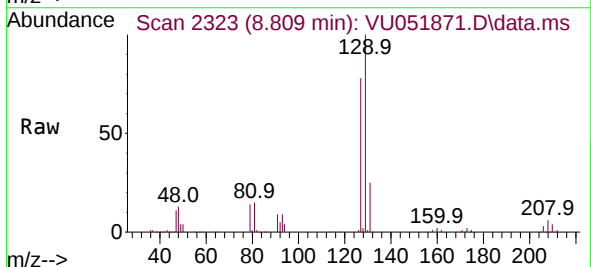
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

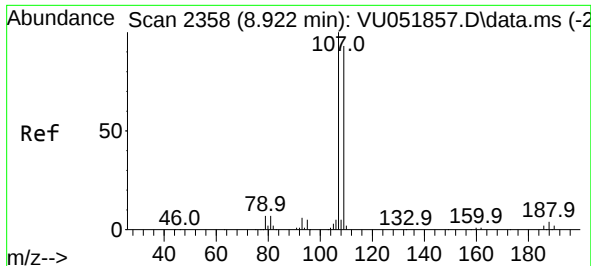
Tgt Ion: 43	Resp: 527066
Ion Ratio	Lower Upper
43 100	
58 60.6	50.6 76.0
57 20.9	16.8 25.2
100 13.0	10.8 16.2



#49
Dibromochloromethane
Concen: 50.906 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion:129	Resp: 216575
Ion Ratio	Lower Upper
129 100	
127 78.5	54.4 101.0





#50

1,2-Dibromoethane

Concen: 50.706 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050121

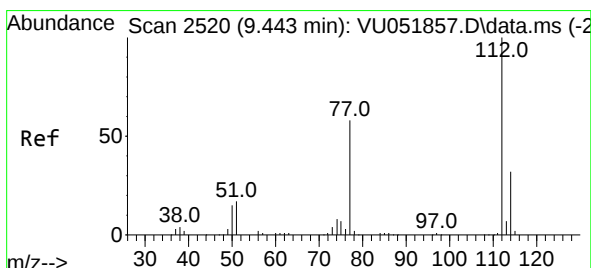
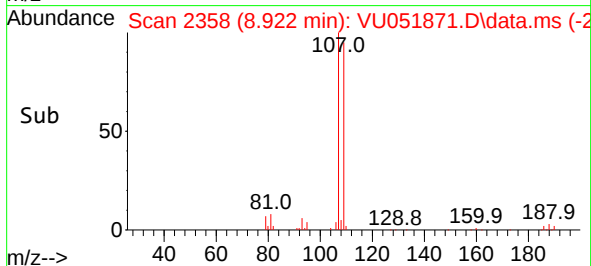
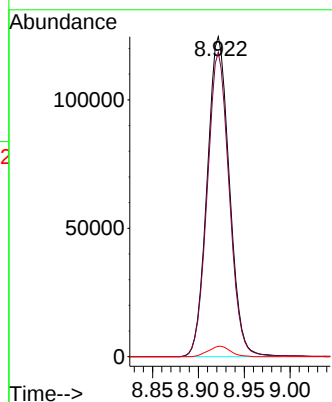
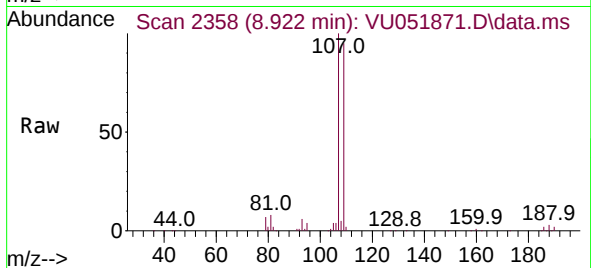
Tgt Ion:107 Resp: 210620

Ion Ratio Lower Upper

107 100

109 95.2 65.0 120.6

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 50.765 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

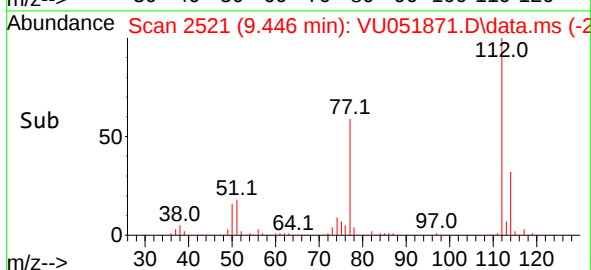
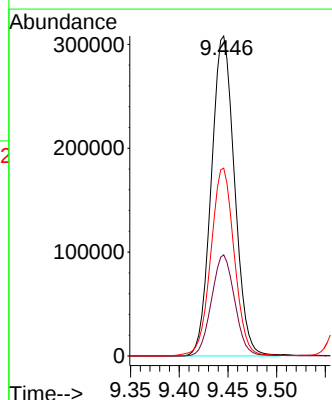
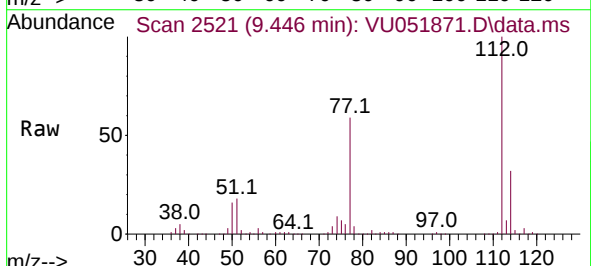
Tgt Ion:112 Resp: 511610

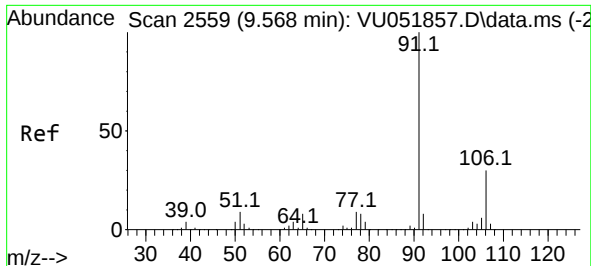
Ion Ratio Lower Upper

112 100

114 31.6 22.2 41.2

77 58.7 46.7 70.1

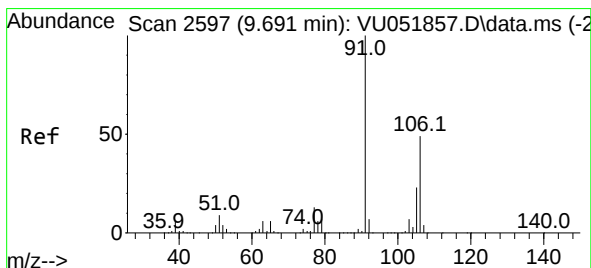
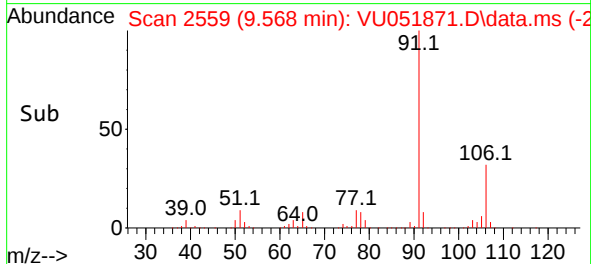
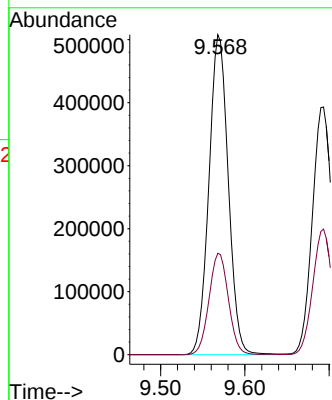
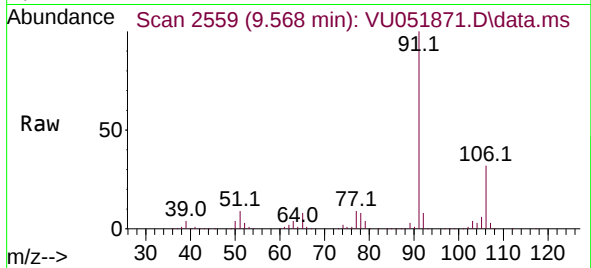




#52
Ethylbenzene
Concen: 53.742 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

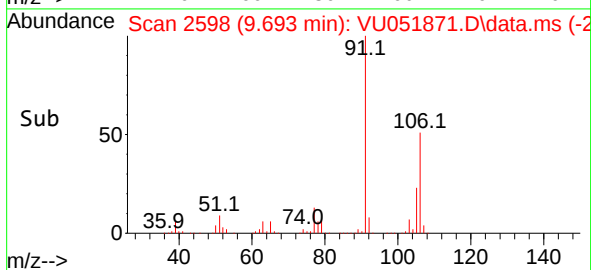
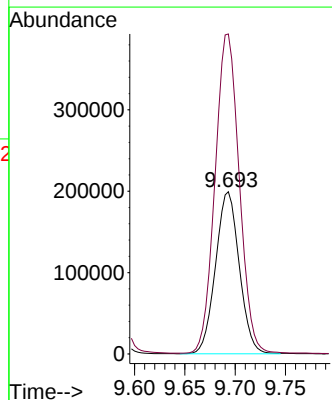
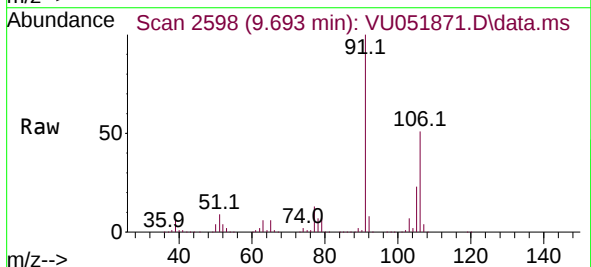
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

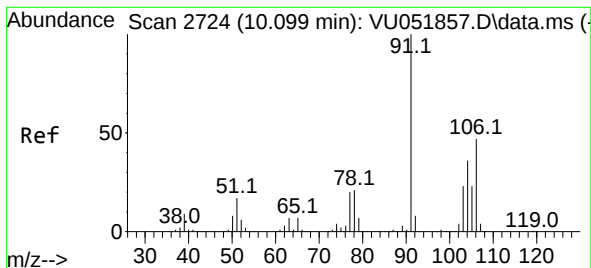
Tgt Ion: 91 Resp: 811183
Ion Ratio Lower Upper
91 100
106 31.7 21.3 39.6



#53
m,p-Xylene
Concen: 55.890 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion: 106 Resp: 326543
Ion Ratio Lower Upper
106 100
91 197.3 141.7 263.3





#54

o-Xylene

Concen: 55.391 ug/L

RT: 10.098 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

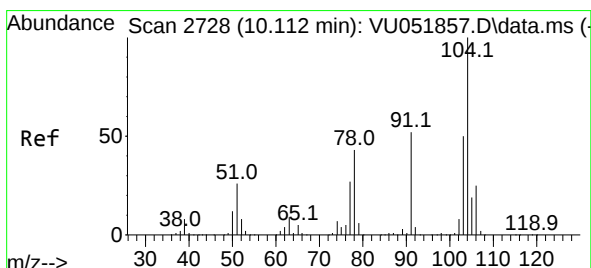
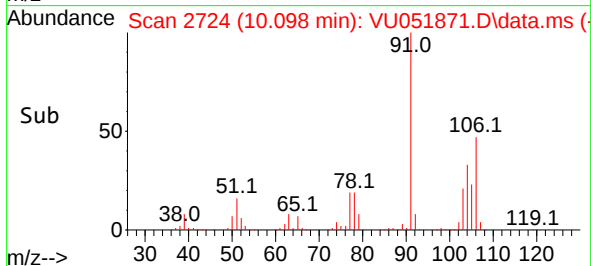
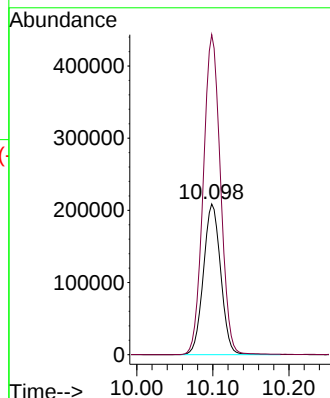
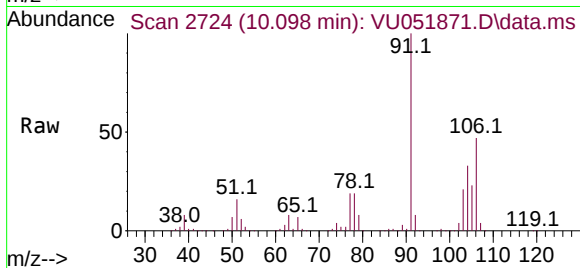
VSTD050121

Tgt Ion:106 Resp: 329384

Ion Ratio Lower Upper

106 100

91 212.3 149.7 278.1



#55

Styrene

Concen: 56.142 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU051871.D

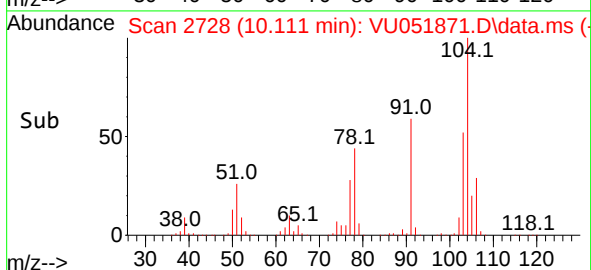
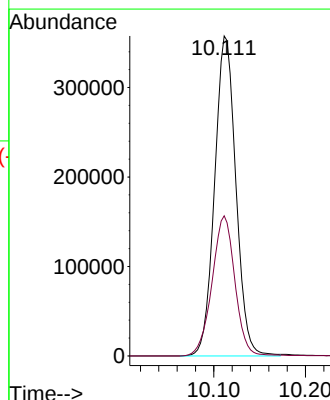
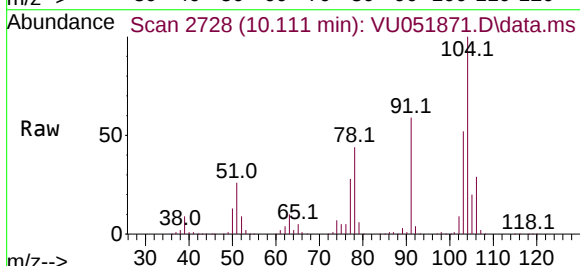
Acq: 16 Nov 2022 09:52

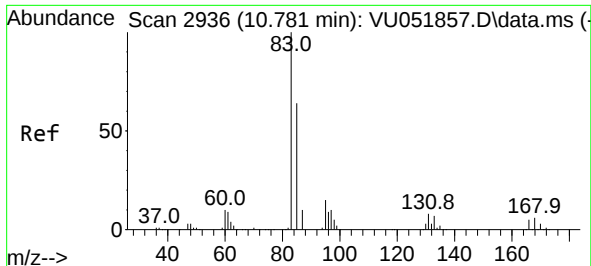
Tgt Ion:104 Resp: 576042

Ion Ratio Lower Upper

104 100

78 43.8 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 49.947 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050121

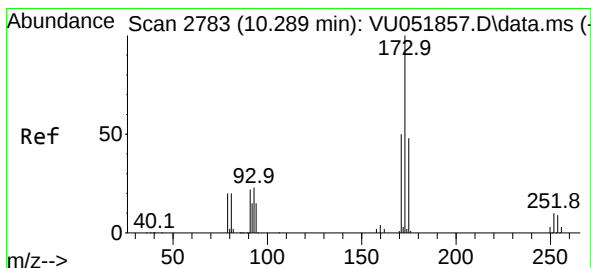
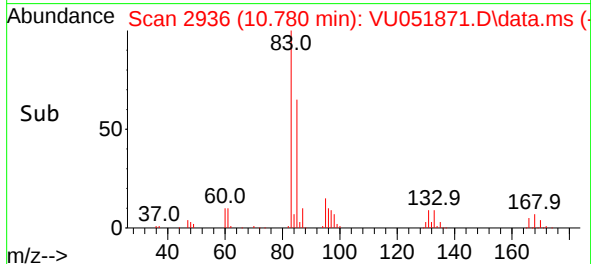
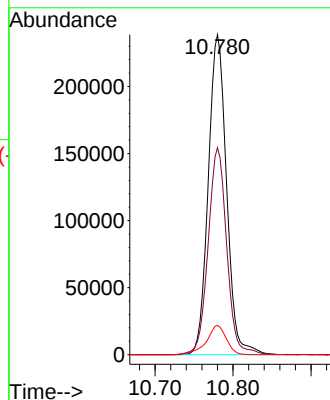
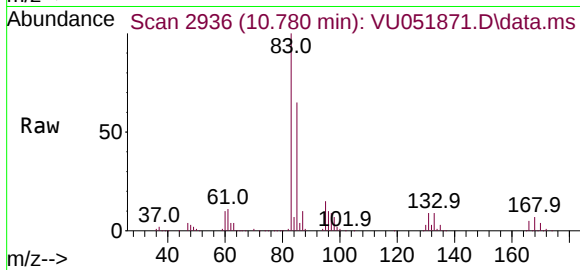
Tgt Ion: 83 Resp: 389440

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3

131 9.1 6.8 10.2



#59

Bromoform

Concen: 46.864 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

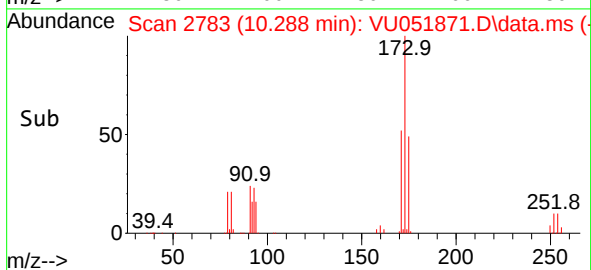
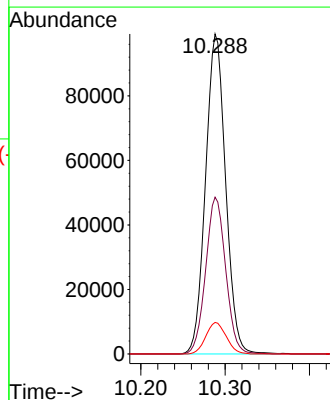
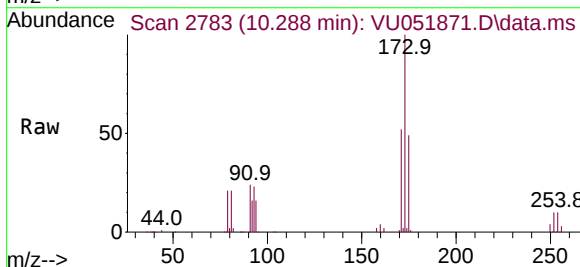
Tgt Ion:173 Resp: 164539

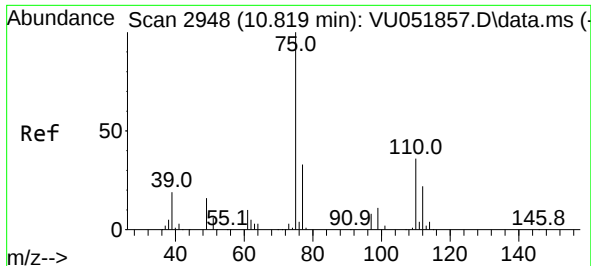
Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

254 10.0 7.4 11.2

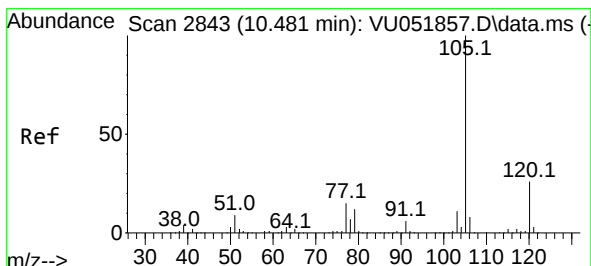
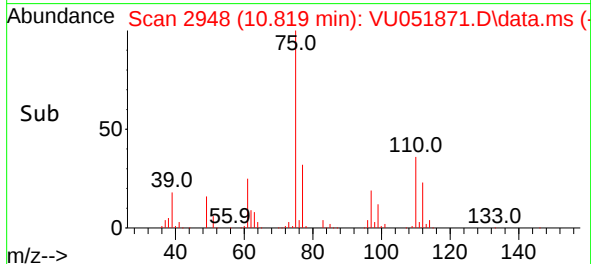
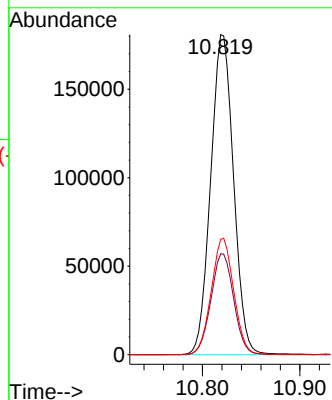
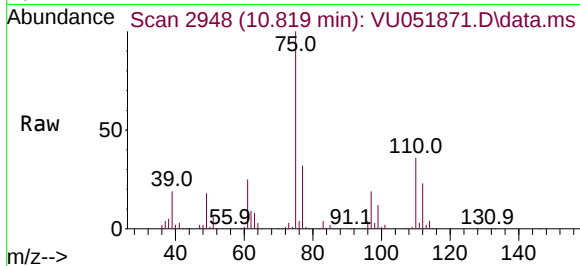




#60
1,2,3-Trichloropropane
Concen: 47.561 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

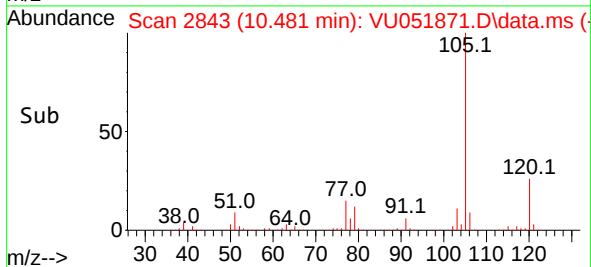
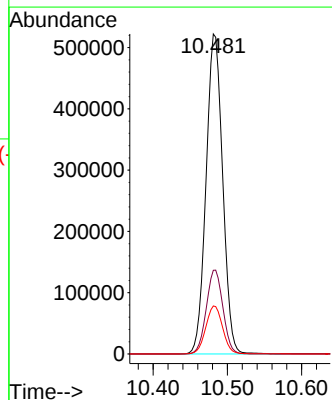
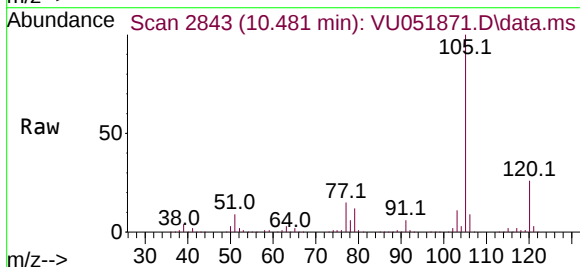
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

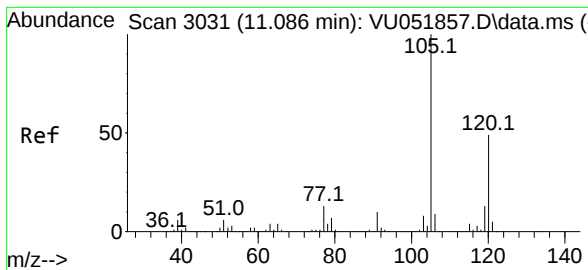
Tgt Ion: 75 Resp: 294617
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.4
110 35.7 29.0 43.4



#61
Isopropylbenzene
Concen: 53.485 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion: 105 Resp: 809487
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7
77 15.2 12.2 18.4

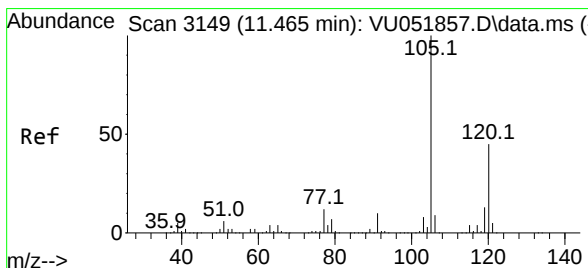
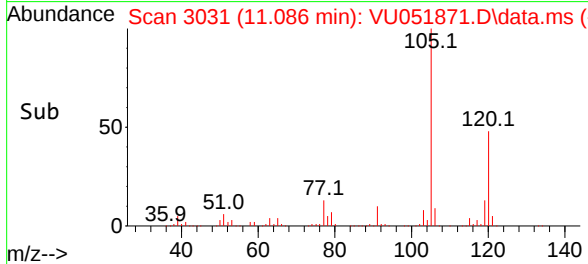
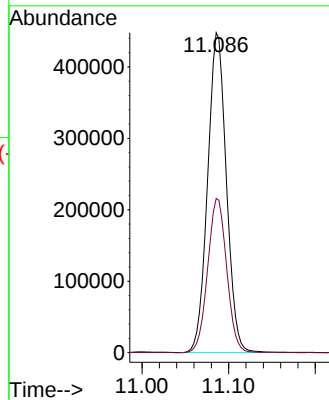
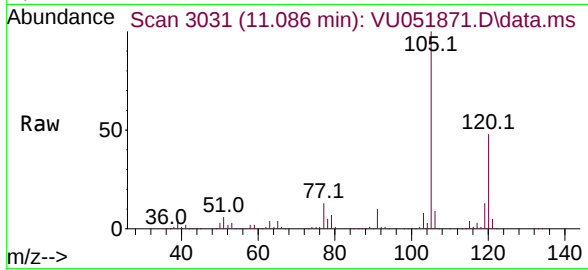




#62
 1,3,5-Trimethylbenzene
 Concen: 54.580 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

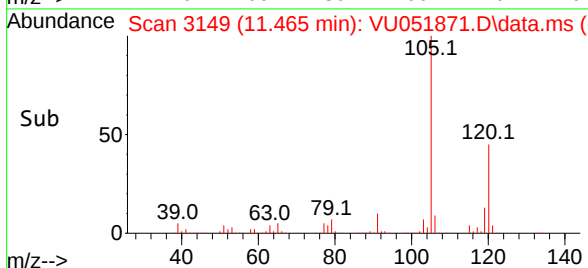
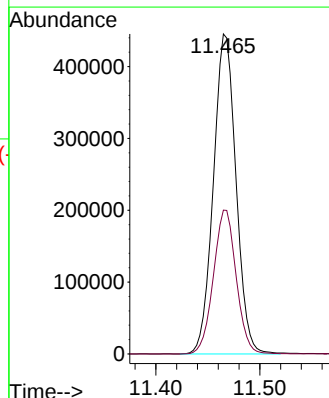
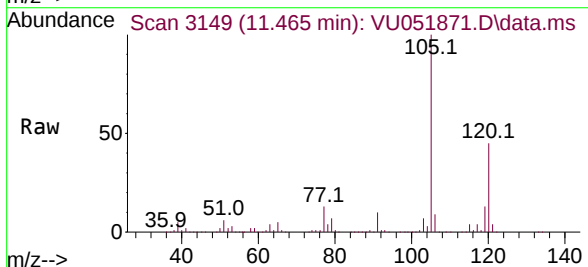
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050121

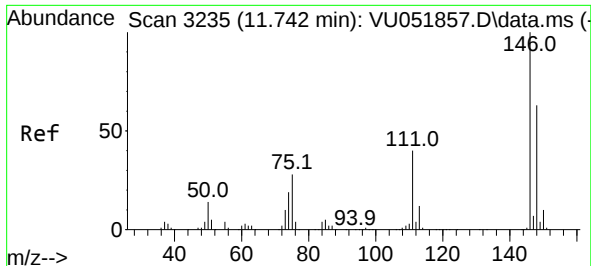
Tgt Ion:105 Resp: 673112
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 55.872 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

Tgt Ion:105 Resp: 673208
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.2 54.2

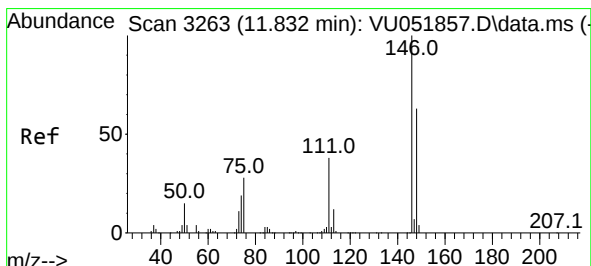
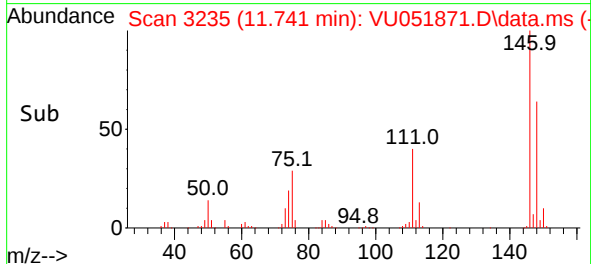
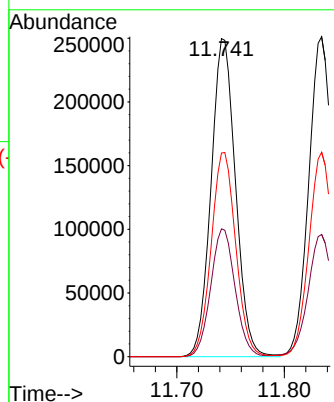
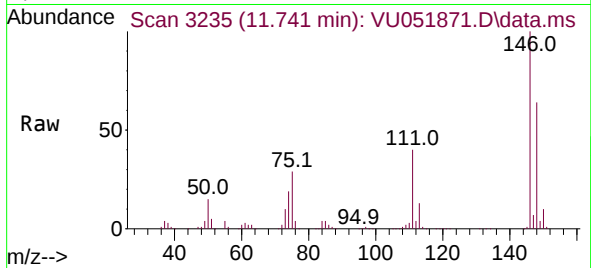




#64
1,3-Dichlorobenzene
Concen: 51.454 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

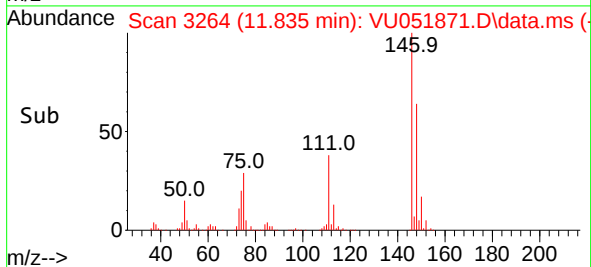
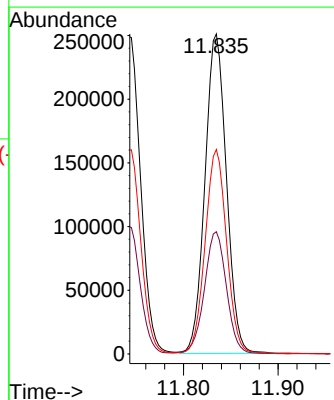
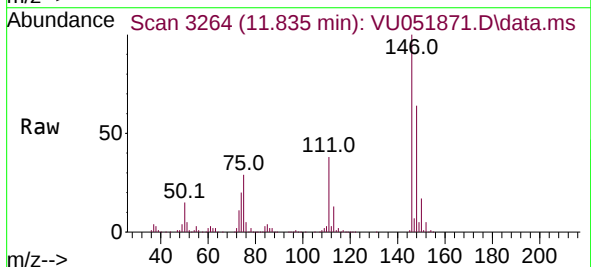
Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

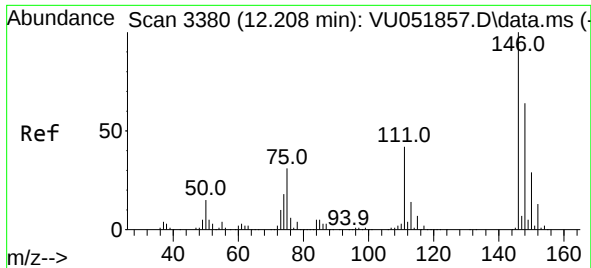
Tgt Ion:146 Resp: 394696
Ion Ratio Lower Upper
146 100
111 40.2 28.1 52.1
148 64.1 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 50.945 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion:146 Resp: 395747
Ion Ratio Lower Upper
146 100
111 38.2 26.7 49.5
148 63.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 50.405 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050121

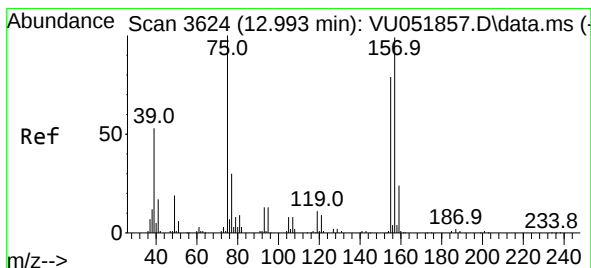
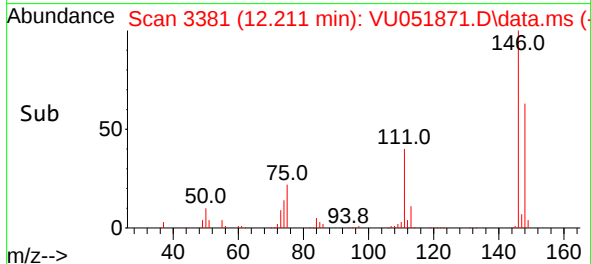
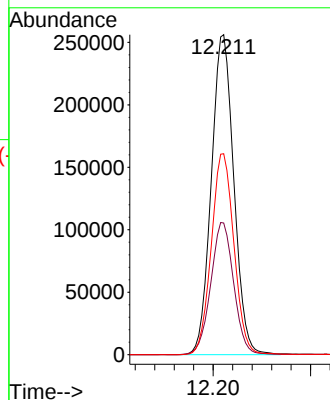
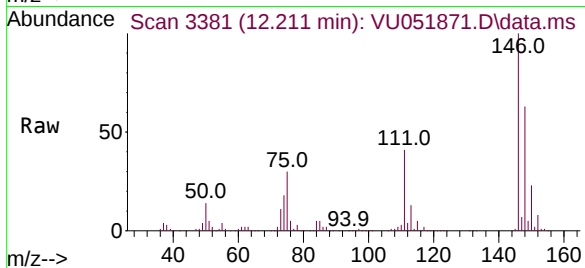
Tgt Ion:146 Resp: 411143

Ion Ratio Lower Upper

146 100

111 41.2 33.6 50.4

148 62.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 47.690 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU051871.D

Acq: 16 Nov 2022 09:52

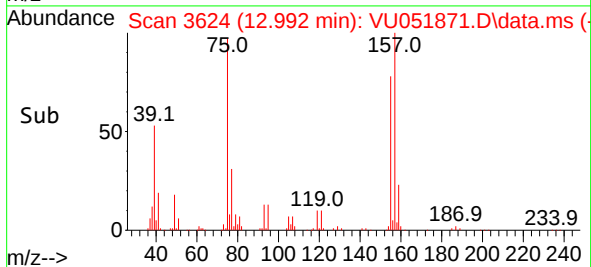
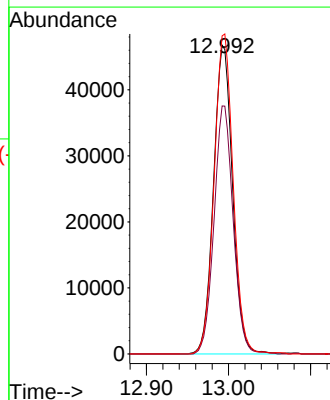
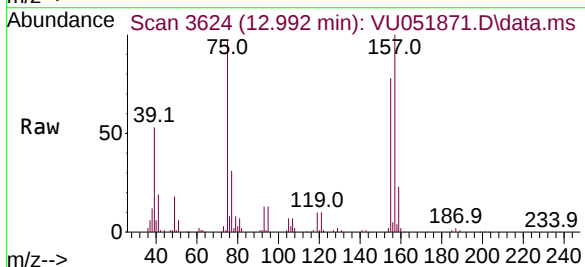
Tgt Ion: 75 Resp: 75636

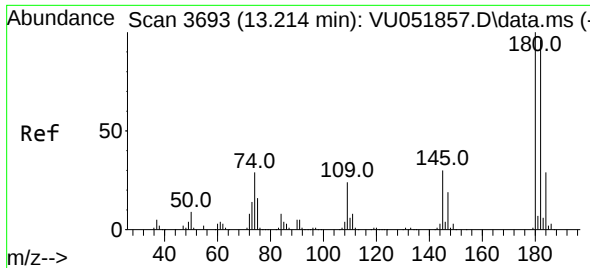
Ion Ratio Lower Upper

75 100

155 80.4 63.0 94.6

157 103.0 79.4 119.0

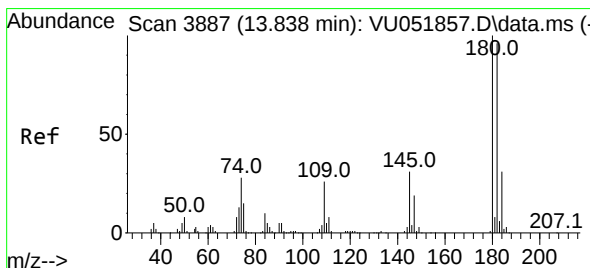
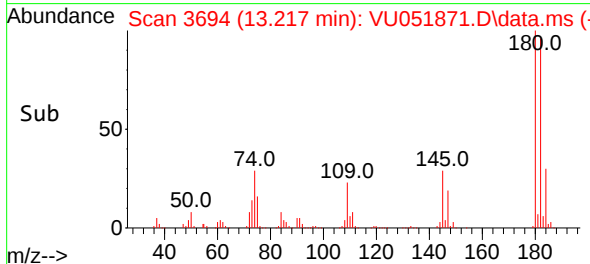
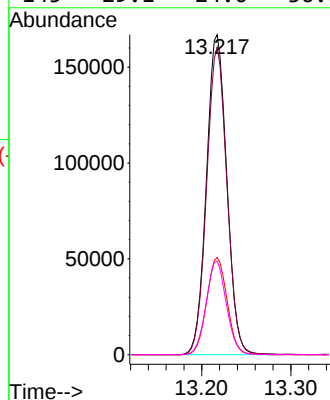
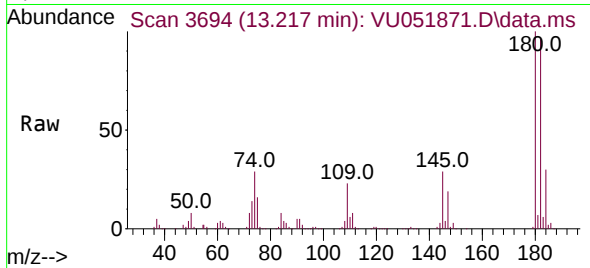




#69
 1,3,5-Trichlorobenzene
 Concen: 51.993 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

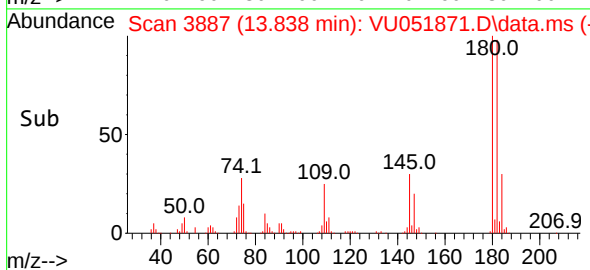
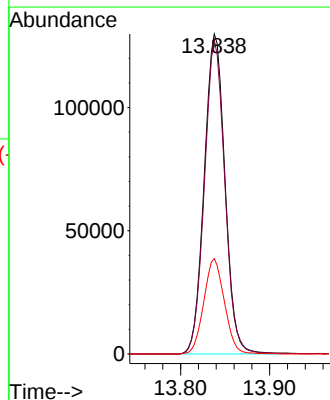
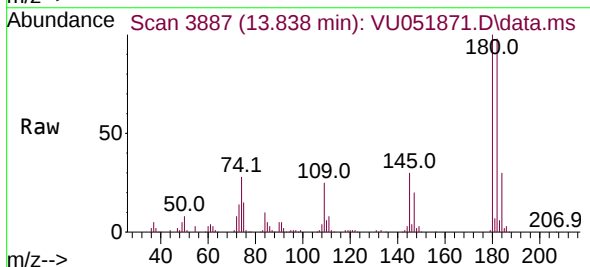
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050121

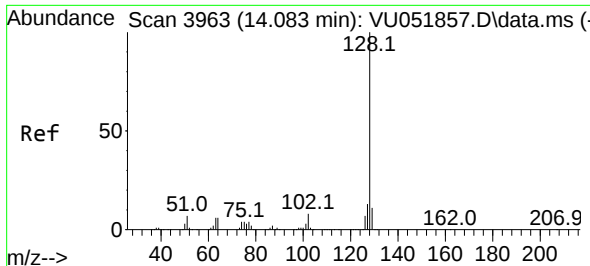
Tgt Ion:180 Resp: 264599
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.0 115.4
 184 30.5 23.8 35.8
 145 29.1 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 52.144 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU051871.D
 Acq: 16 Nov 2022 09:52

Tgt Ion:180 Resp: 210339
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 29.6 24.2 36.2

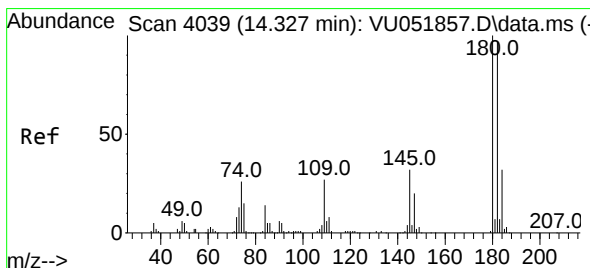
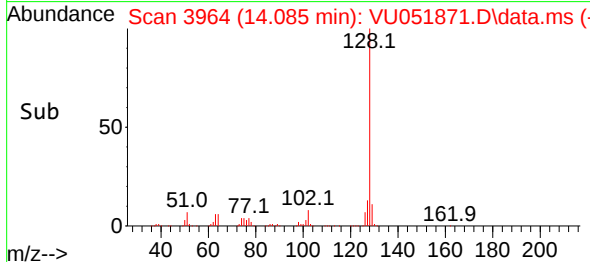
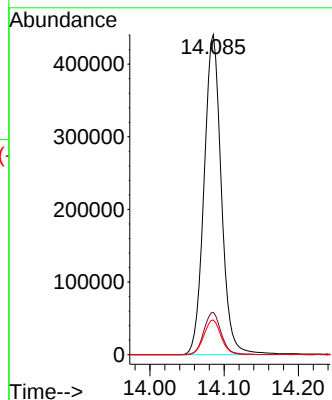
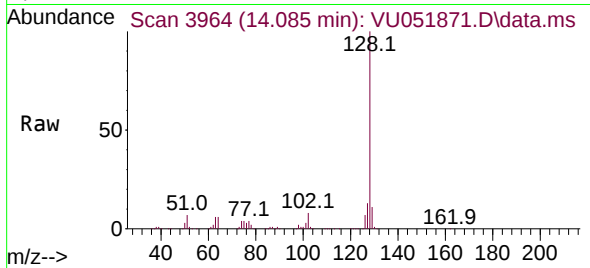




#71
Naphthalene
Concen: 53.649 ug/L
RT: 14.085 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD050121

Tgt Ion:128 Resp: 711732
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 53.585 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU051871.D
Acq: 16 Nov 2022 09:52

Tgt Ion:180 Resp: 236582
Ion Ratio Lower Upper
180 100
182 95.9 76.9 115.3
145 32.1 24.9 37.3

