

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092022\
 Data File : VU050851.D
 Acq On : 20 Sep 2022 23:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

Quant Time: Sep 21 02:28:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:18:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	453824	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	438252	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	205297	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	223608	47.557	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.120%
7) Chloroethane-d5	1.909	69	169946	50.750	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.500%
11) 1,1-Dichloroethene-d2	2.568	63	353429	48.307	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.620%
21) 2-Butanone-d5	4.626	46	337970	111.337	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.340%
24) Chloroform-d	5.063	84	364878	49.518	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.040%
26) 1,2-Dichloroethane-d4	5.700	65	223549	49.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.460%
32) Benzene-d6	5.726	84	731295	50.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.320%
36) 1,2-Dichloropropane-d6	6.690	67	244416	50.162	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.320%
41) Toluene-d8	7.896	98	645486	51.156	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.320%
43) trans-1,3-Dichloroprop...	8.176	79	101203	47.745	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.480%
47) 2-Hexanone-d5	8.632	63	220197	109.662	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.660%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	367039	49.409	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.820%
66) 1,2-Dichlorobenzene-d4	12.192	152	214821	49.977	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	223802	47.626	ug/L	99
3) Chloromethane	1.520	50	264231	48.367	ug/L	99
5) Vinyl chloride	1.604	62	256516	47.962	ug/L	99
6) Bromomethane	1.855	94	138662	51.320	ug/L	99
8) Chloroethane	1.929	64	153624	51.879	ug/L	98
9) Trichlorofluoromethane	2.134	101	286555	49.395	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	180230	48.538	ug/L	99
12) 1,1-Dichloroethene	2.578	96	171865	49.260	ug/L	97
13) Acetone	2.636	43	236594	92.048	ug/L	100
14) Carbon disulfide	2.790	76	535941	48.578	ug/L	100
15) Methyl Acetate	2.948	43	251479	51.845	ug/L	98
16) Methylene chloride	3.041	84	225656	46.580	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	179401	50.169	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	548944	50.355	ug/L	100
19) 1,1-Dichloroethane	3.867	63	361821	50.075	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	198003	49.938	ug/L	100
22) 2-Butanone	4.703	43	374566	110.556	ug/L	99
23) Bromochloromethane	4.973	128	101946	49.059	ug/L	98
25) Chloroform	5.086	83	363592	50.492	ug/L	97

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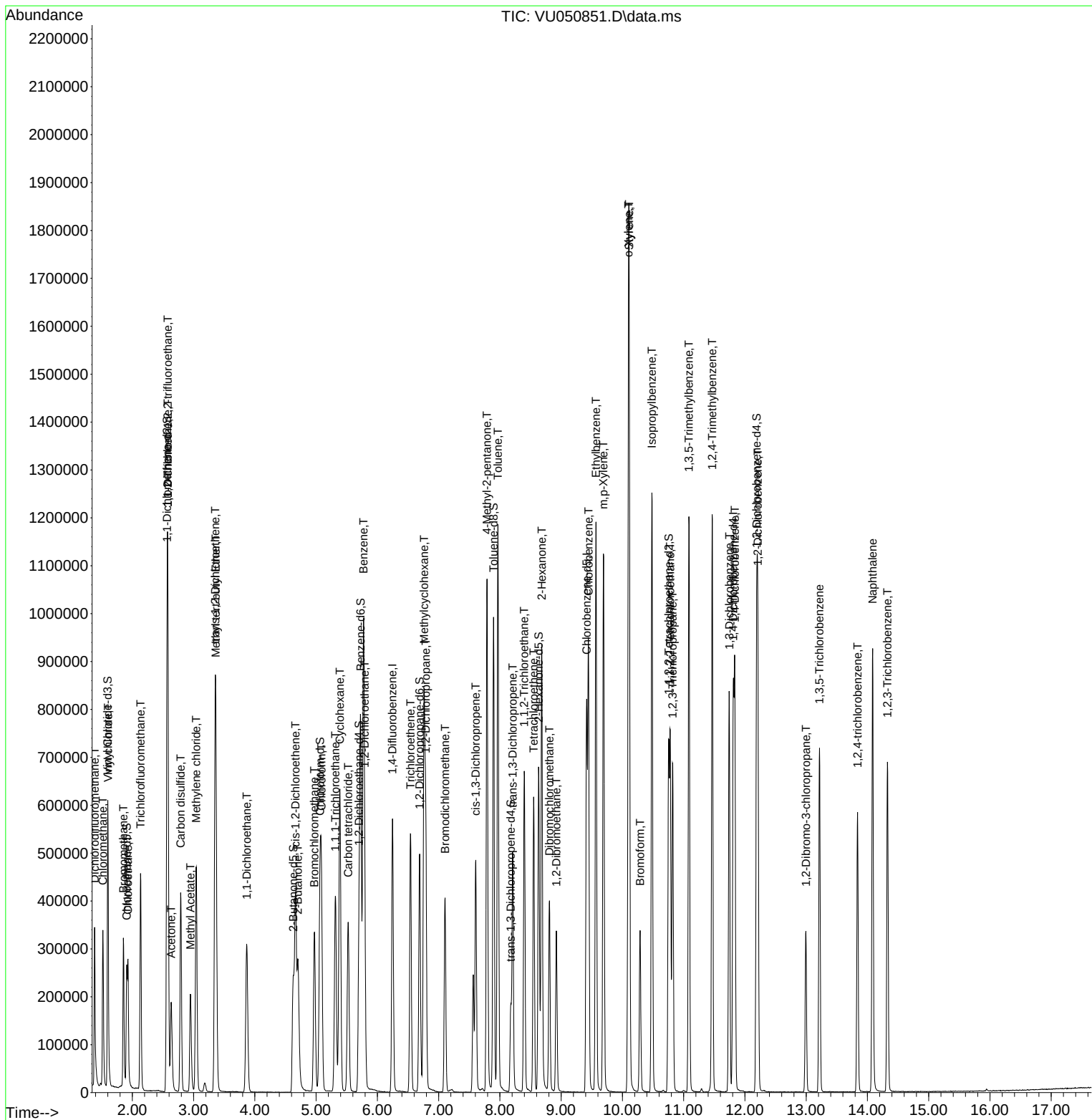
Instrument :
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 ClientSampleId :
 VSTD050087

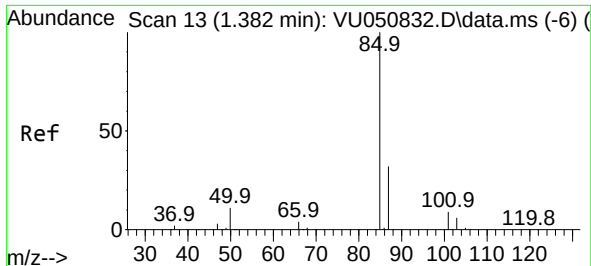
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	273984	50.066	ug/L	99
29) Cyclohexane	5.388	56	307648	51.010	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	297921	51.098	ug/L	99
31) Carbon tetrachloride	5.523	117	245070	50.597	ug/L	99
33) Benzene	5.774	78	834909	51.767	ug/L	100
34) Trichloroethene	6.542	95	190518	50.854	ug/L	99
35) Methylcyclohexane	6.764	83	303212	50.230	ug/L	98
37) 1,2-Dichloropropane	6.790	63	221805	50.257	ug/L	100
38) Bromodichloromethane	7.105	83	267713	50.913	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	281929	47.737	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	671176	110.350	ug/L	99
42) Toluene	7.967	91	854484	53.369	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	282777	50.333	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	208150	51.179	ug/L	98
46) Tetrachloroethene	8.552	164	134037	49.787	ug/L	98
48) 2-Hexanone	8.684	43	571529	112.454	ug/L	99
49) Dibromochloromethane	8.809	129	202330	50.736	ug/L	99
50) 1,2-Dibromoethane	8.922	107	215688	51.114	ug/L	100
51) Chlorobenzene	9.446	112	488796	50.006	ug/L	100
52) Ethylbenzene	9.568	91	818687	51.255	ug/L	99
53) m,p-Xylene	9.690	106	312584	52.638	ug/L	98
54) o-Xylene	10.099	106	312277	52.778	ug/L	98
55) Styrene	10.111	104	541110	53.341	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	375004	49.830	ug/L	100
59) Bromoform	10.288	173	150160	50.676	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	294204	50.949	ug/L	99
61) Isopropylbenzene	10.481	105	784396	53.464	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	636046	52.737	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	640371	53.615	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	331736	49.445	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	329232	48.336	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	355833	50.090	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	86545	54.492	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	218218	46.487	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	176633	45.981	ug/L	99
71) Naphthalene	14.086	128	724635	49.082	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	207891	48.354	ug/L	99

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

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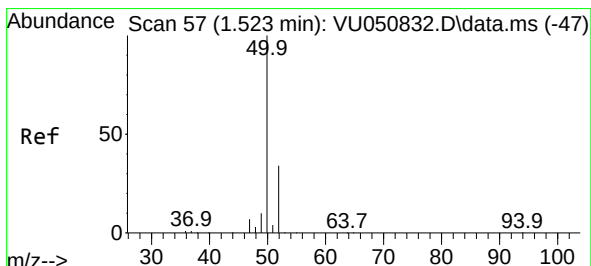
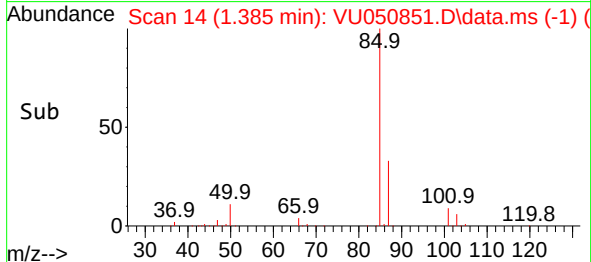
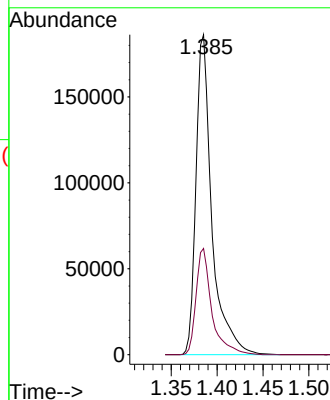
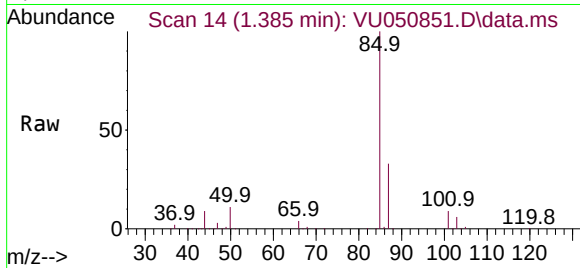




#2
 Dichlorodifluoromethane
 Concen: 47.626 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.003 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

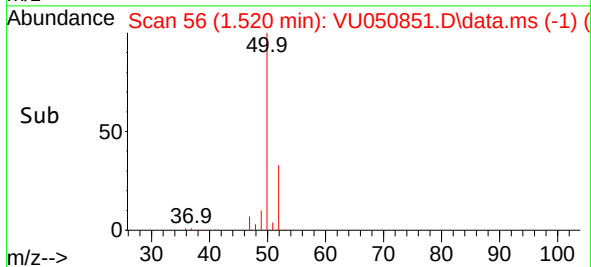
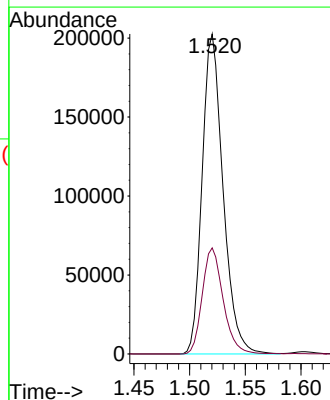
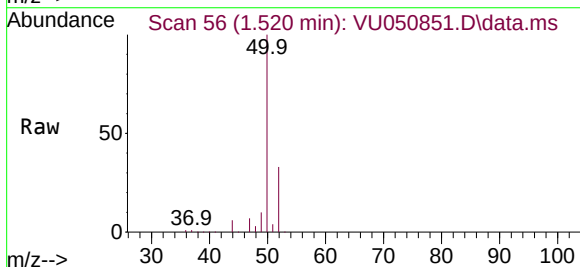
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

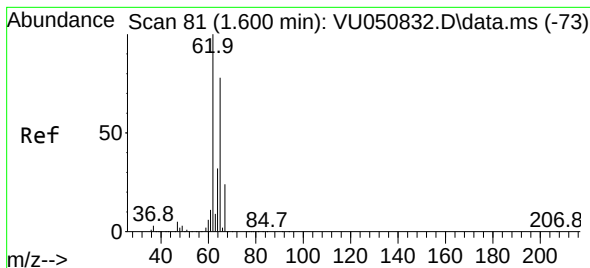
Tgt Ion: 85 Resp: 223802
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.8 38.8



#3
 Chloromethane
 Concen: 48.367 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.003 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

Tgt Ion: 50 Resp: 264231
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.7 43.9





#5

Vinyl chloride

Concen: 47.962 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.003 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

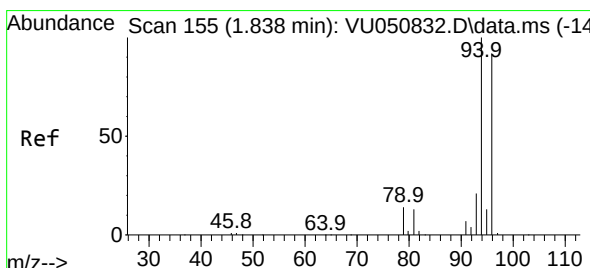
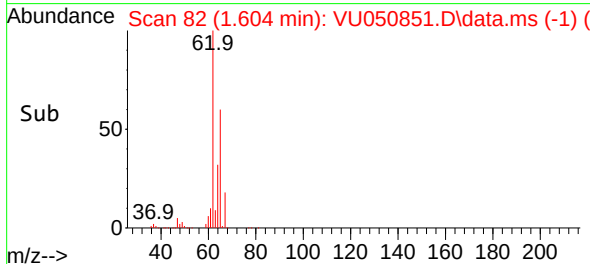
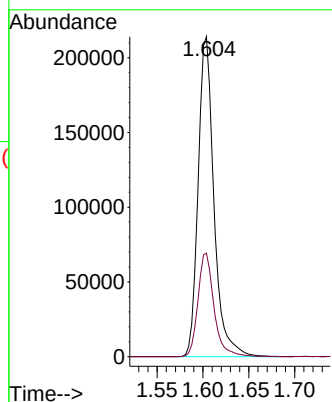
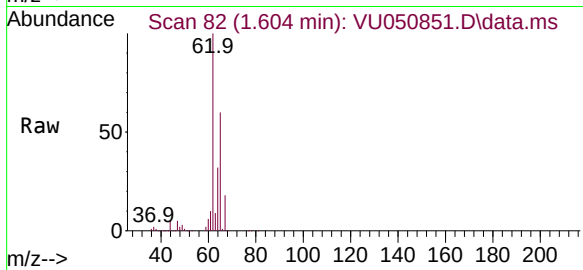
VSTD050087

Tgt Ion: 62 Resp: 256516

Ion Ratio Lower Upper

62 100

64 32.3 22.2 41.2



#6

Bromomethane

Concen: 51.320 ug/L

RT: 1.855 min Scan# 160

Delta R.T. 0.016 min

Lab File: VU050851.D

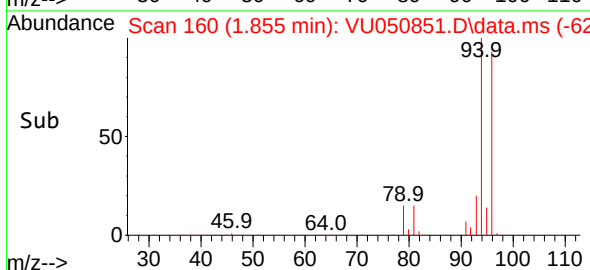
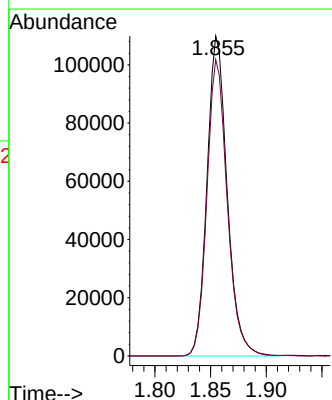
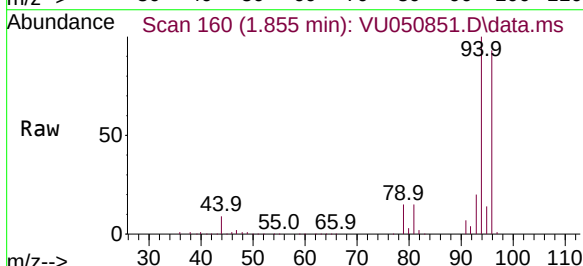
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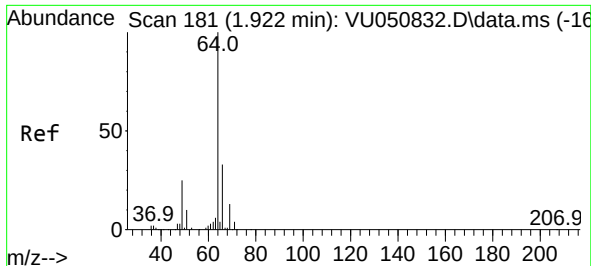
Tgt Ion: 94 Resp: 138662

Ion Ratio Lower Upper

94 100

96 92.6 64.0 119.0

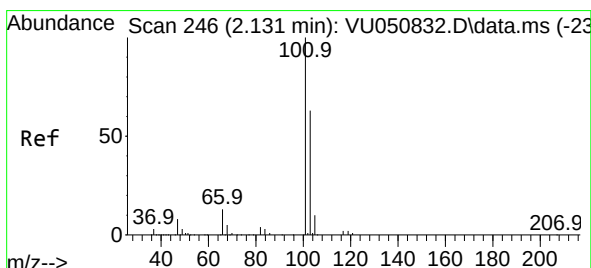
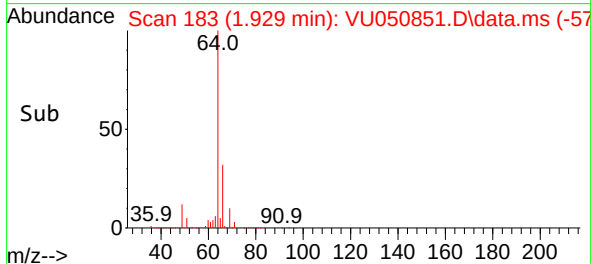
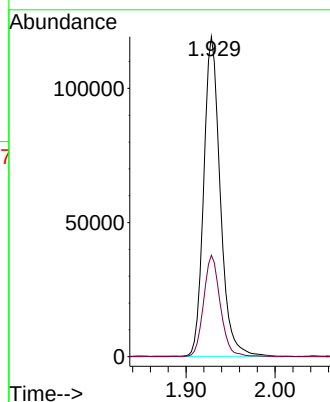
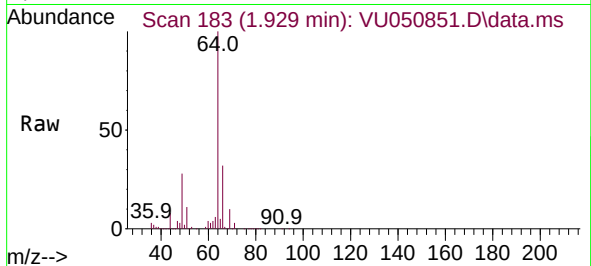




#8
Chloroethane
Concen: 51.879 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

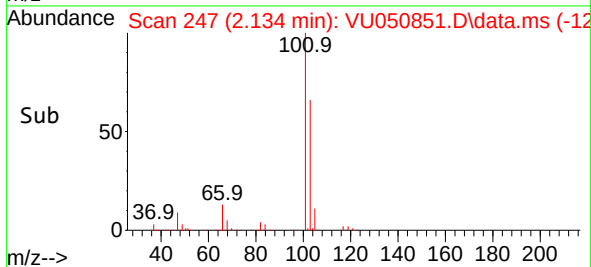
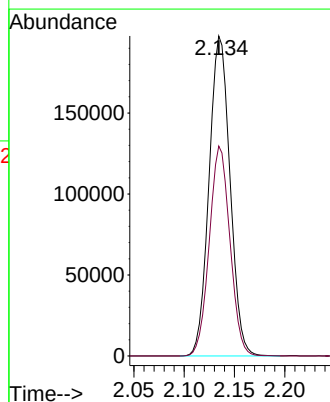
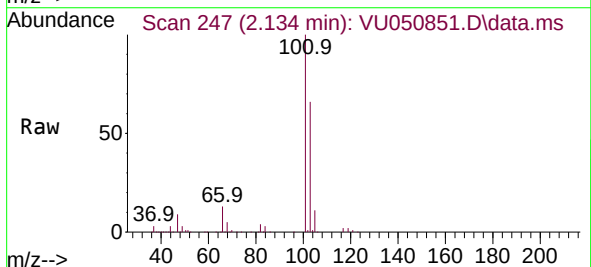
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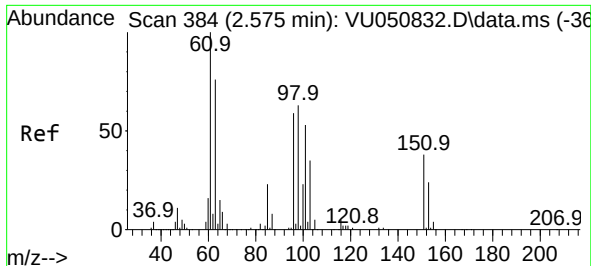
Tgt Ion: 64 Resp: 153624
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 49.395 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion: 101 Resp: 286555
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3

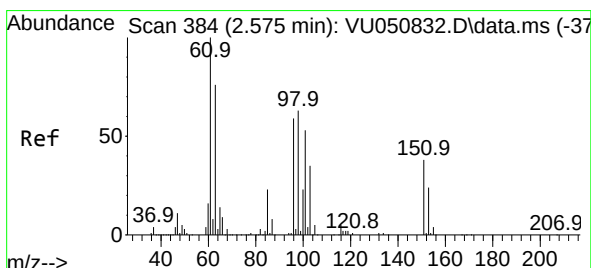
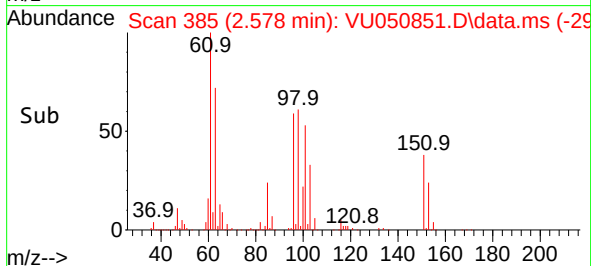
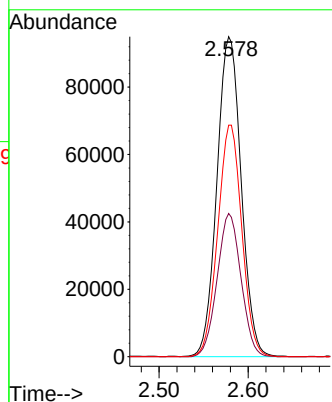
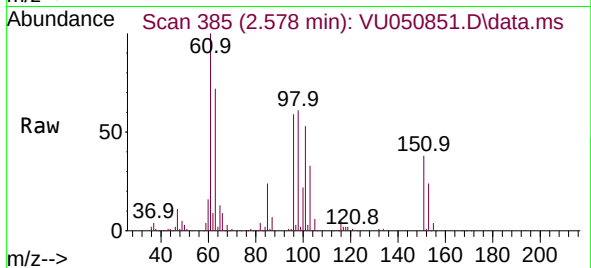




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.538 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

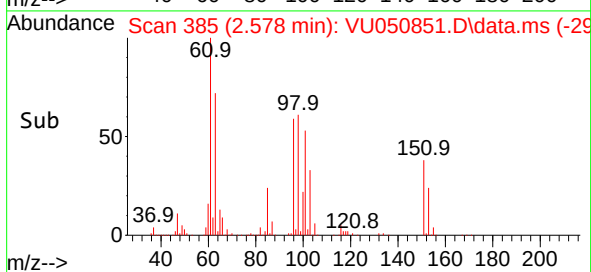
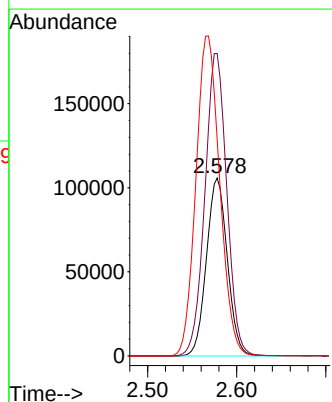
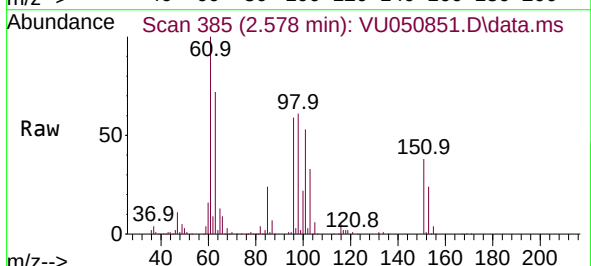
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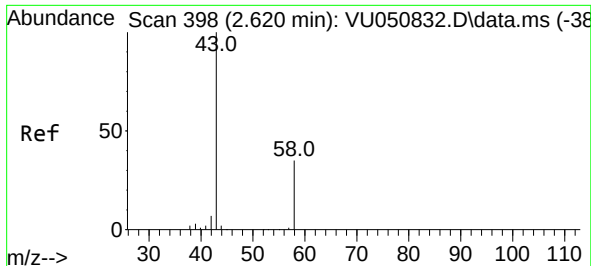
Tgt Ion: 101 Resp: 180230
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.1 52.7
 151 71.6 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 49.260 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

Tgt Ion: 96 Resp: 171865
 Ion Ratio Lower Upper
 96 100
 61 169.9 118.6 220.2
 63 121.8 90.4 168.0





#13

Acetone

Concen: 92.048 ug/L

RT: 2.636 min Scan# 403

Delta R.T. 0.016 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

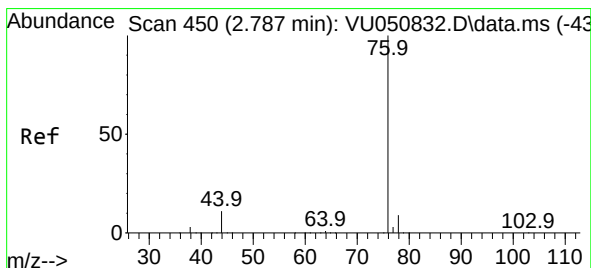
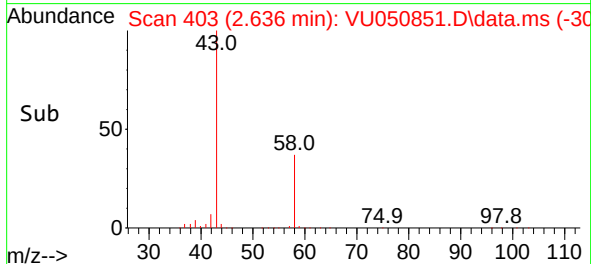
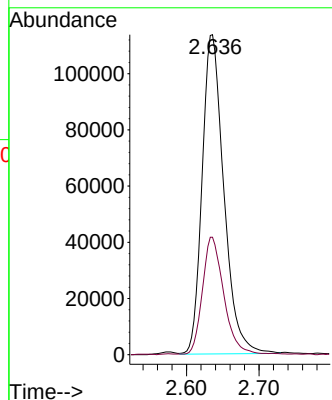
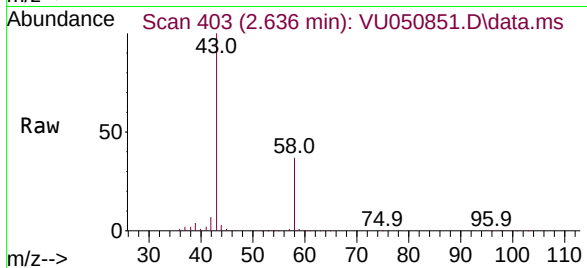
VSTD050087

Tgt Ion: 43 Resp: 236594

Ion Ratio Lower Upper

43 100

58 35.7 0.0 71.4



#14

Carbon disulfide

Concen: 48.578 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU050851.D

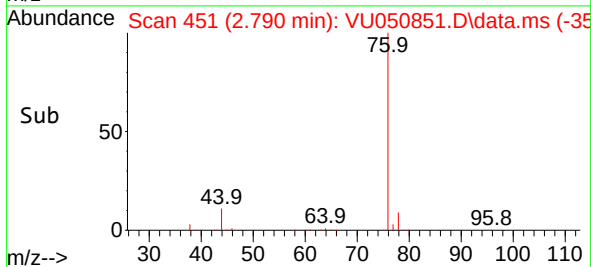
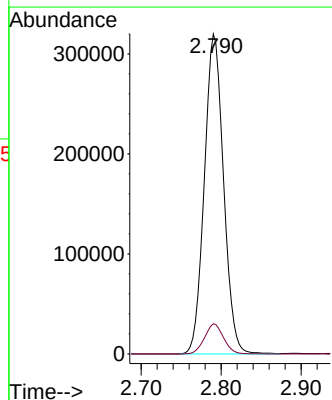
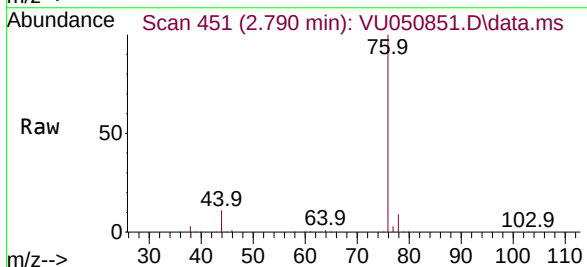
Acq: 20 Sep 2022 23:06

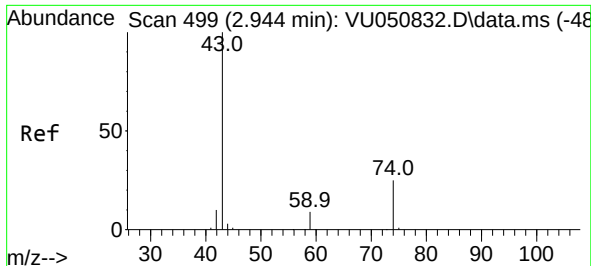
Tgt Ion: 76 Resp: 535941

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

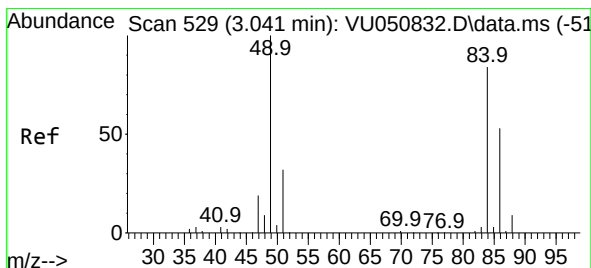
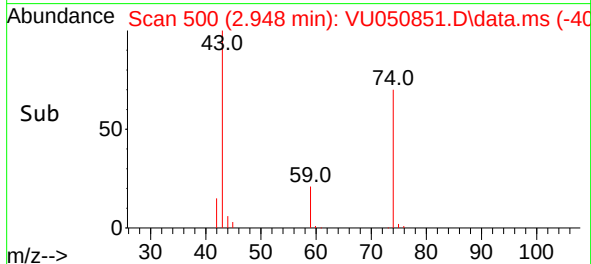
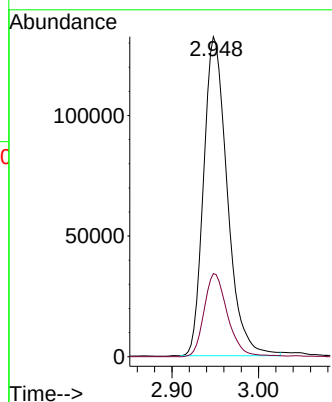
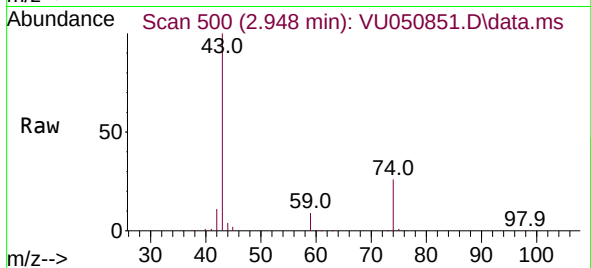




#15
Methyl Acetate
Concen: 51.845 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

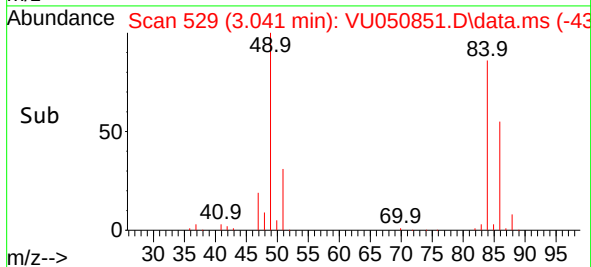
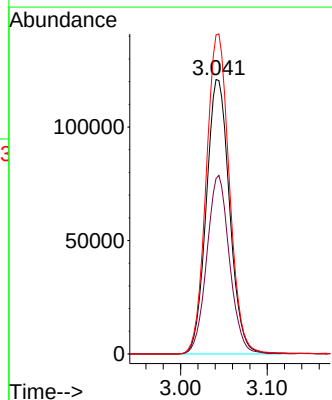
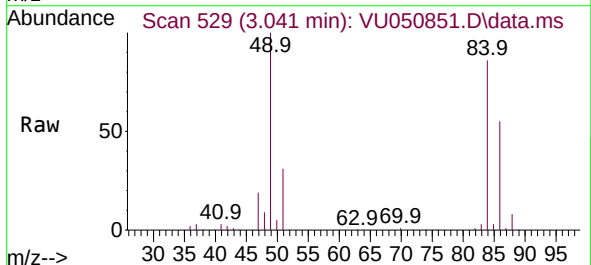
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

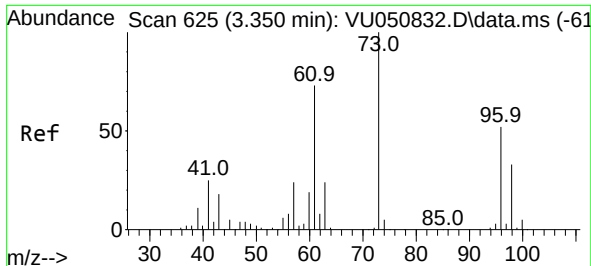
Tgt Ion: 43 Resp: 251479
Ion Ratio Lower Upper
43 100
74 25.7 19.9 29.9



#16
Methylene chloride
Concen: 46.580 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion: 84 Resp: 225656
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.5
49 116.2 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 50.169 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

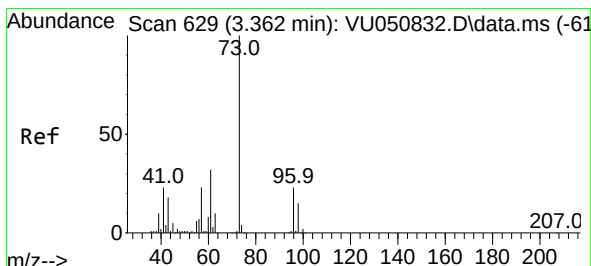
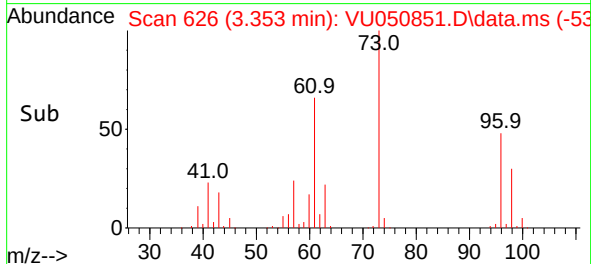
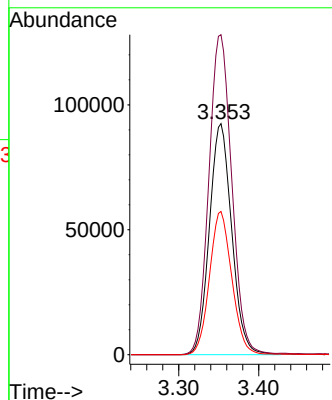
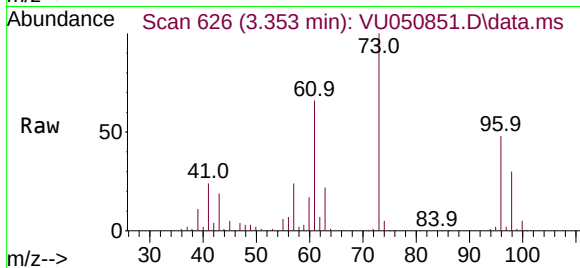
Tgt Ion: 96 Resp: 179401

Ion Ratio Lower Upper

96 100

61 138.5 98.0 182.0

98 62.0 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 50.355 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

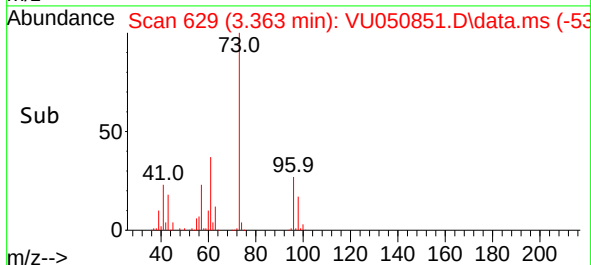
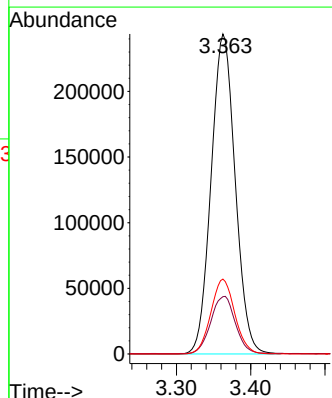
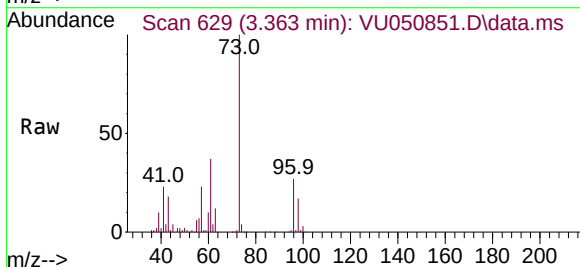
Tgt Ion: 73 Resp: 548944

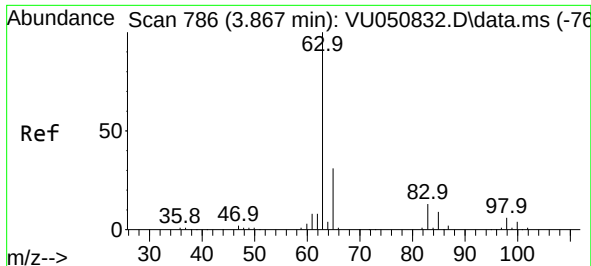
Ion Ratio Lower Upper

73 100

43 18.2 14.4 21.6

57 23.3 18.6 27.8

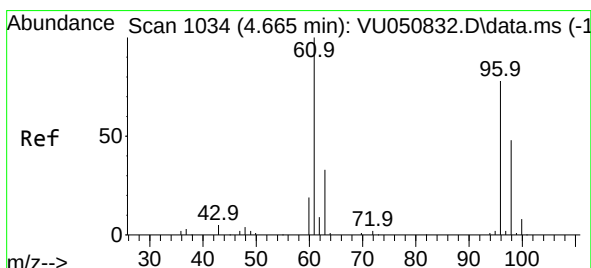
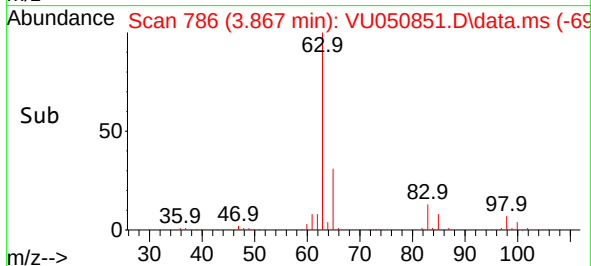
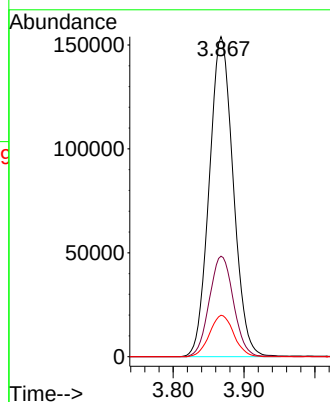
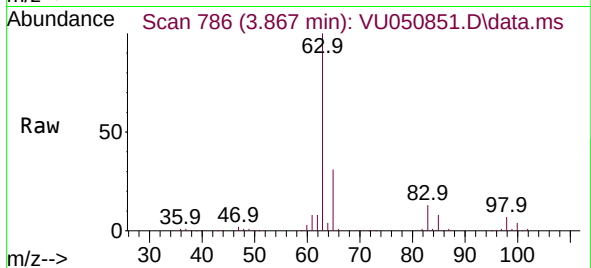




#19
1,1-Dichloroethane
Concen: 50.075 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

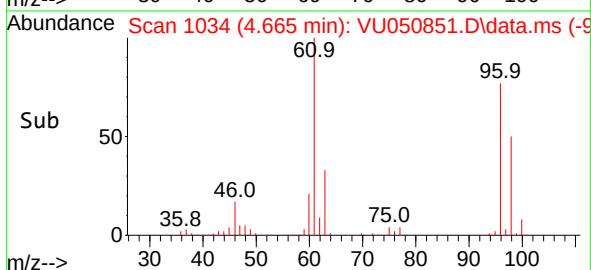
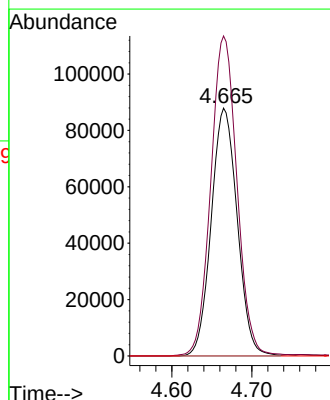
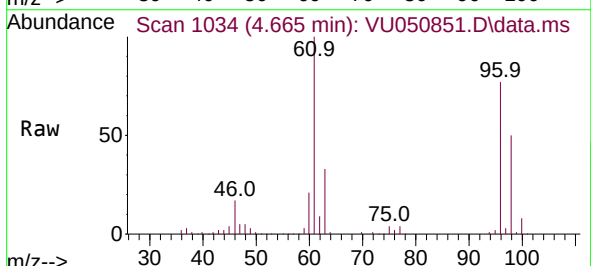
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

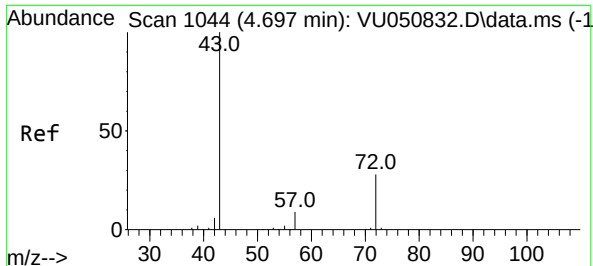
Tgt Ion: 63 Resp: 361821
Ion Ratio Lower Upper
63 100
65 31.4 21.5 39.9
83 12.9 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 49.938 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion: 96 Resp: 198003
Ion Ratio Lower Upper
96 100
61 129.1 90.1 167.3
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 110.556 ug/L

RT: 4.703 min Scan# 110

Delta R.T. 0.007 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

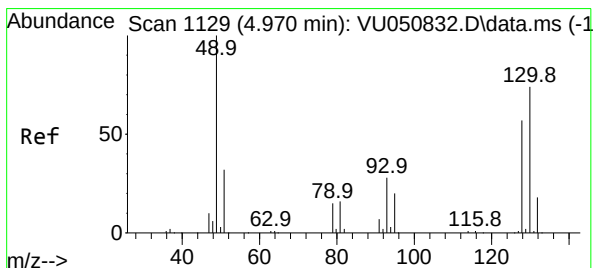
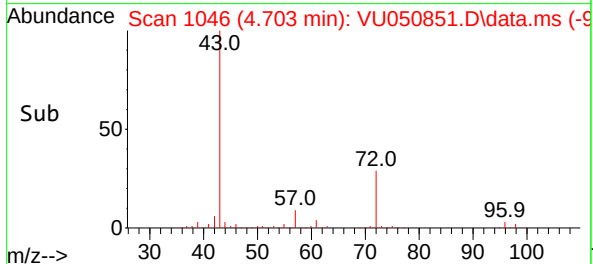
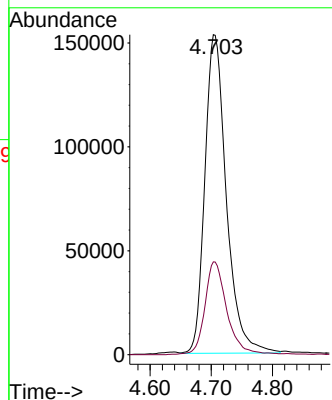
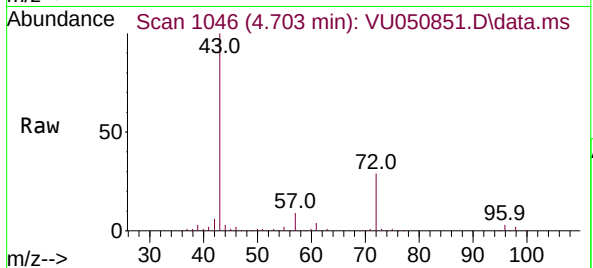
VSTD050087

Tgt Ion: 43 Resp: 374566

Ion Ratio Lower Upper

43 100

72 29.1 14.8 44.3



#23

Bromochloromethane

Concen: 49.059 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Tgt Ion:128 Resp: 101946

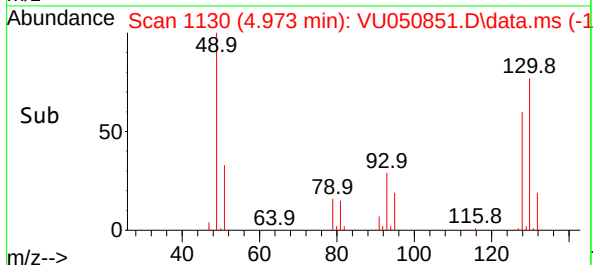
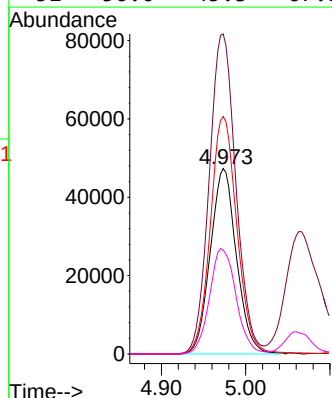
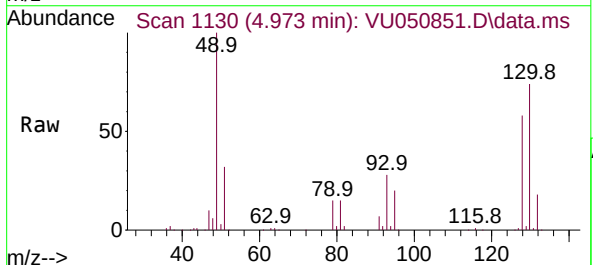
Ion Ratio Lower Upper

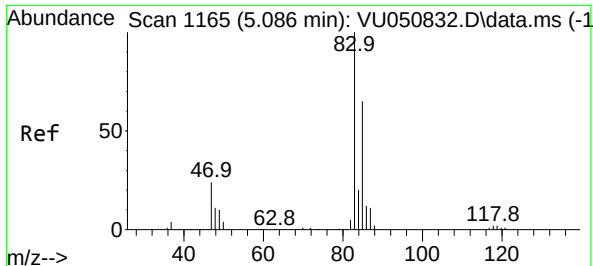
128 100

49 172.5 123.1 228.5

130 128.0 90.9 168.7

51 56.0 45.3 67.9





#25

Chloroform

Concen: 50.492 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

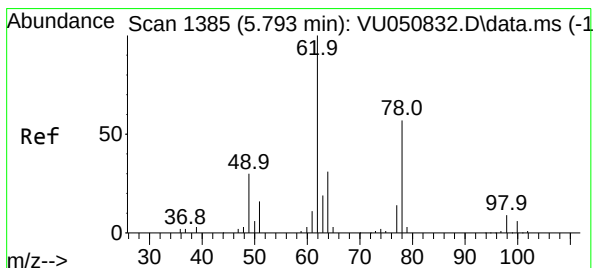
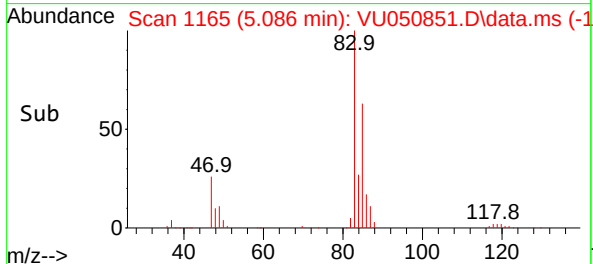
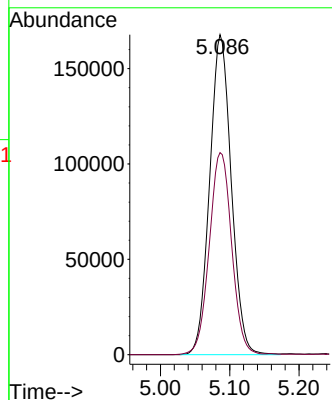
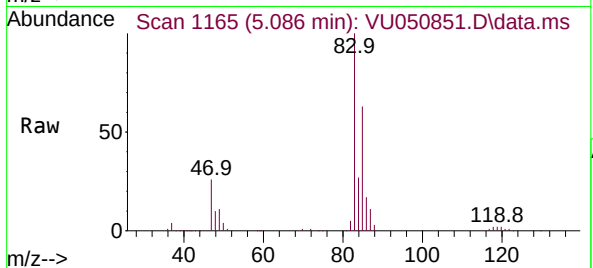
VSTD050087

Tgt Ion: 83 Resp: 363592

Ion Ratio Lower Upper

83 100

85 63.2 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.066 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050851.D

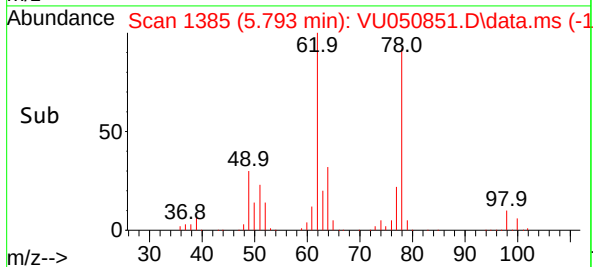
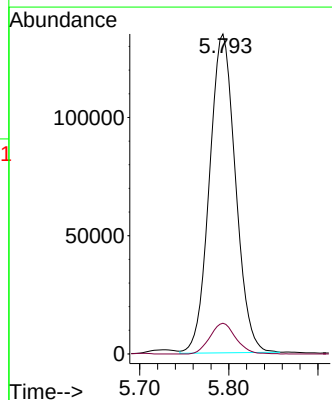
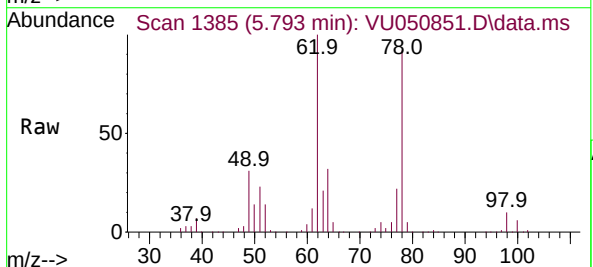
Acq: 20 Sep 2022 23:06

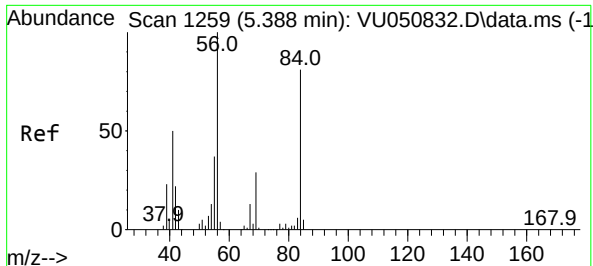
Tgt Ion: 62 Resp: 273984

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 51.010 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

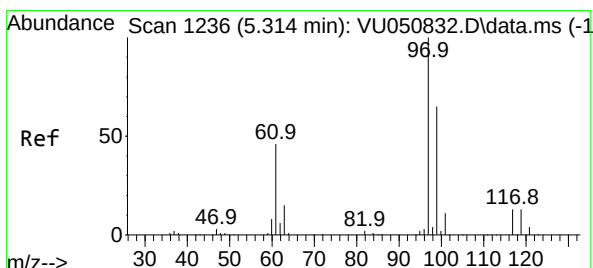
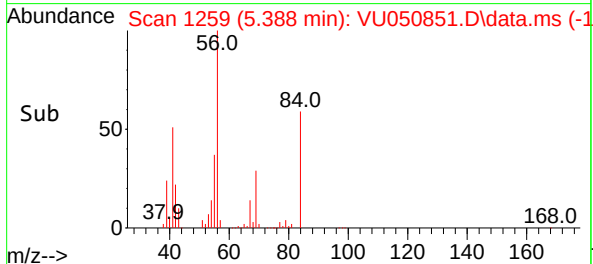
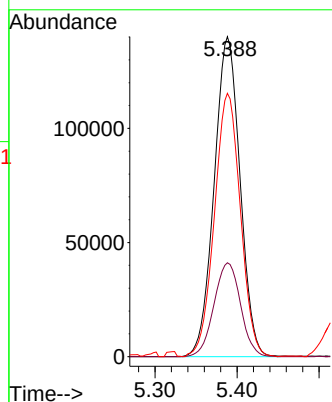
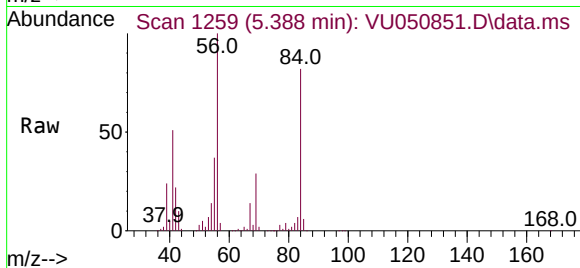
Tgt Ion: 56 Resp: 307648

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.4

84 82.6 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 51.098 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

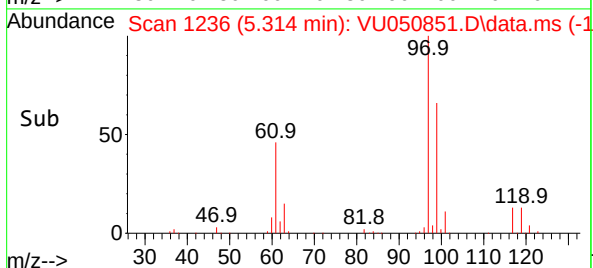
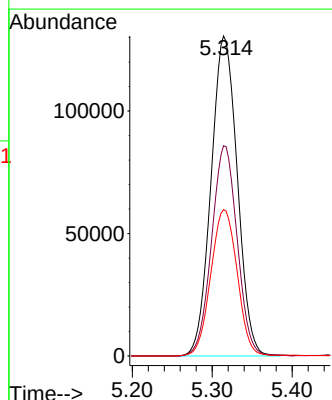
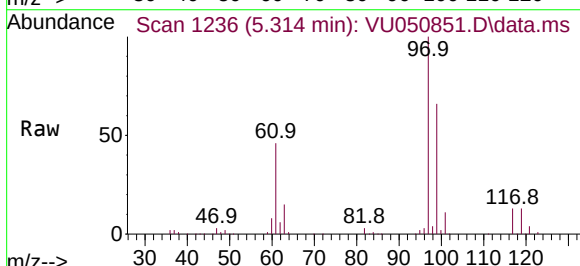
Tgt Ion: 97 Resp: 297921

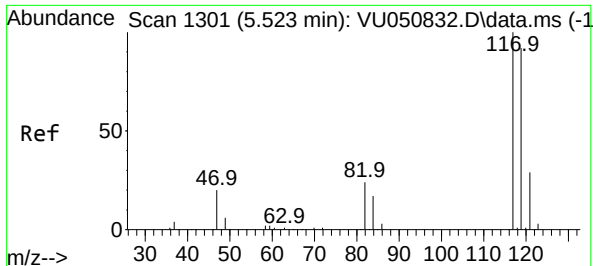
Ion Ratio Lower Upper

97 100

99 64.3 52.2 78.2

61 46.0 37.1 55.7

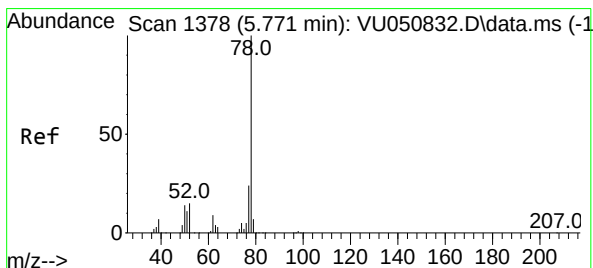
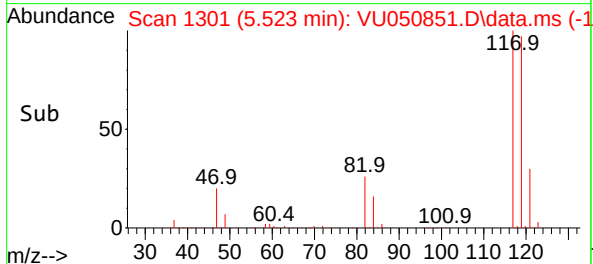
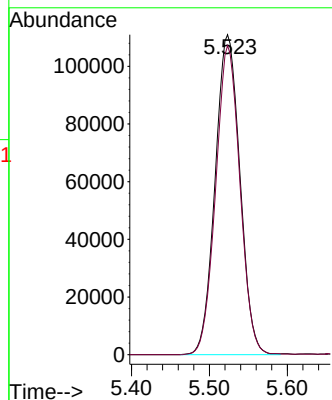
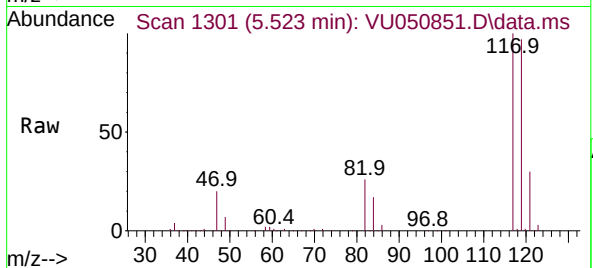




#31
Carbon tetrachloride
Concen: 50.597 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

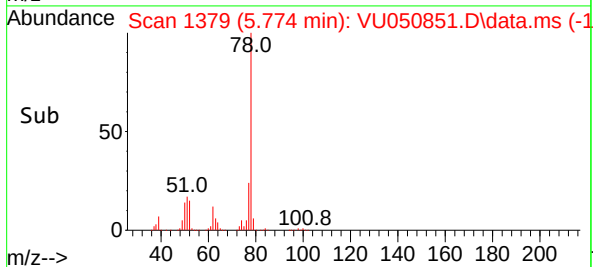
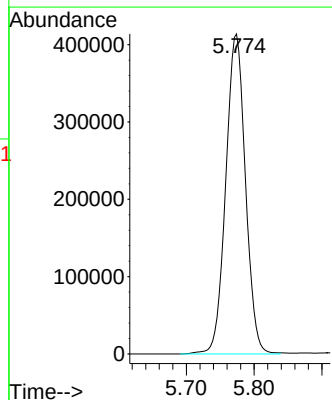
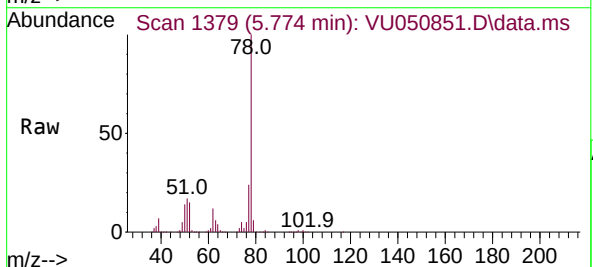
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

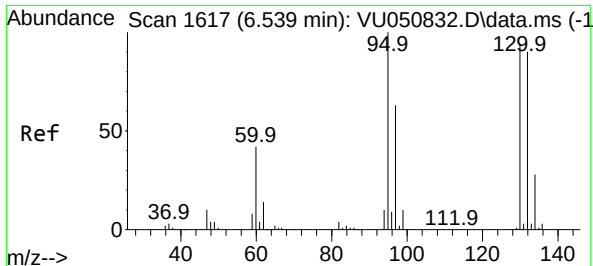
Tgt Ion:117 Resp: 245070
Ion Ratio Lower Upper
117 100
119 94.3 76.0 114.0



#33
Benzene
Concen: 51.767 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion: 78 Resp: 834909





#34

Trichloroethene

Concen: 50.854 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

Tgt Ion: 95 Resp: 190518

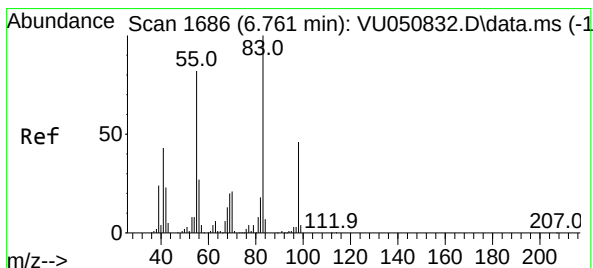
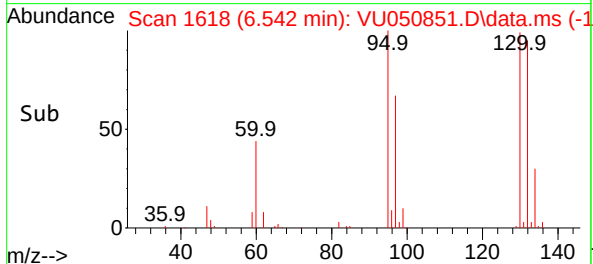
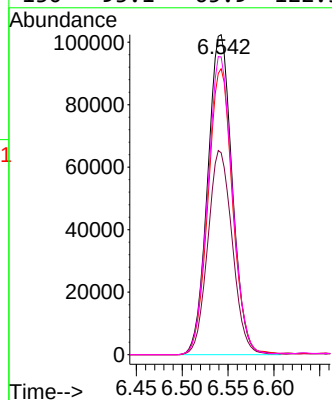
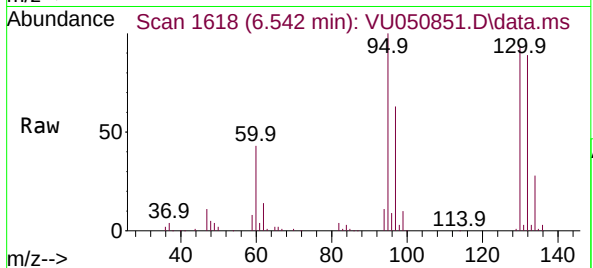
Ion Ratio Lower Upper

95 100

97 63.1 43.9 81.5

132 89.4 63.1 117.1

130 93.1 65.9 122.3



#35

Methylcyclohexane

Concen: 50.230 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

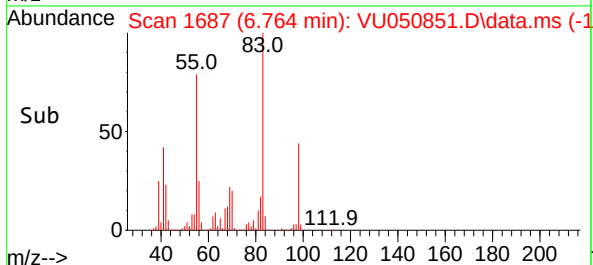
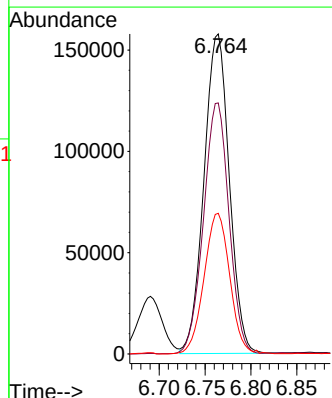
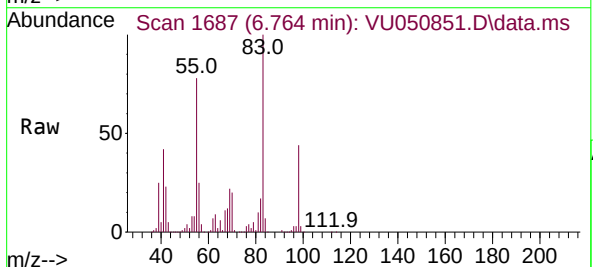
Tgt Ion: 83 Resp: 303212

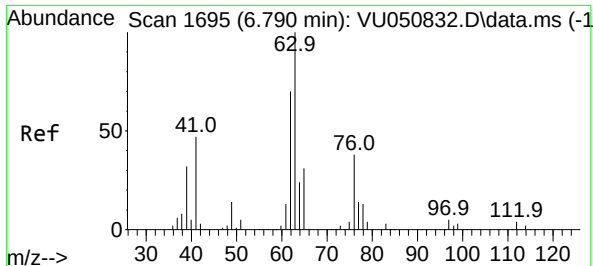
Ion Ratio Lower Upper

83 100

55 78.9 64.7 97.1

98 44.4 35.2 52.8





#37

1,2-Dichloropropane

Concen: 50.257 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

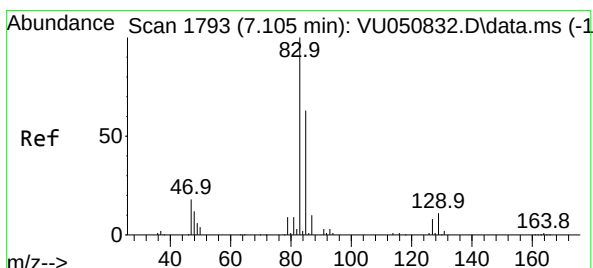
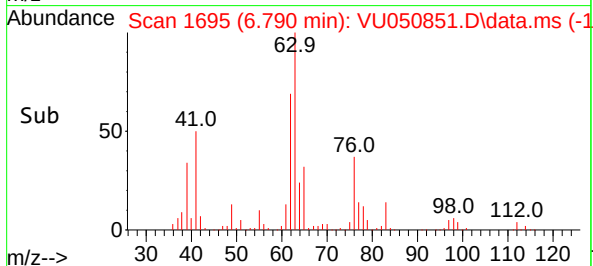
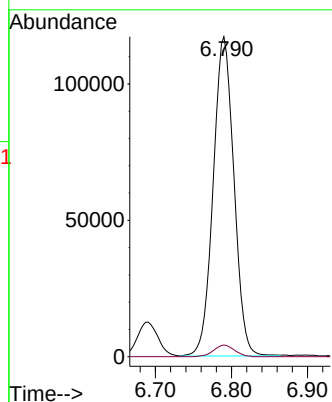
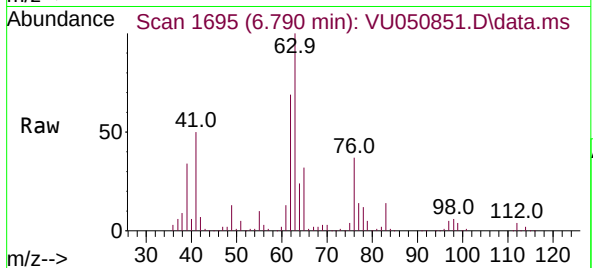
VSTD050087

Tgt Ion: 63 Resp: 221805

Ion Ratio Lower Upper

63 100

112 3.7 2.9 4.3



#38

Bromodichloromethane

Concen: 50.913 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

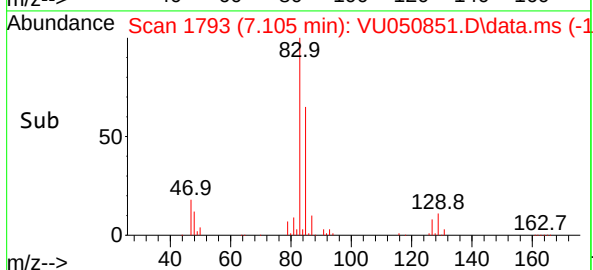
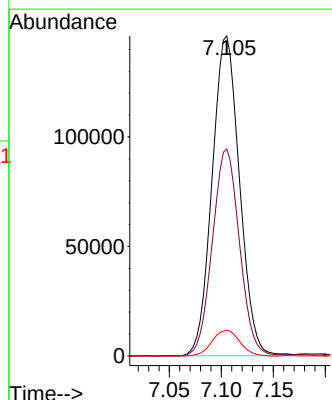
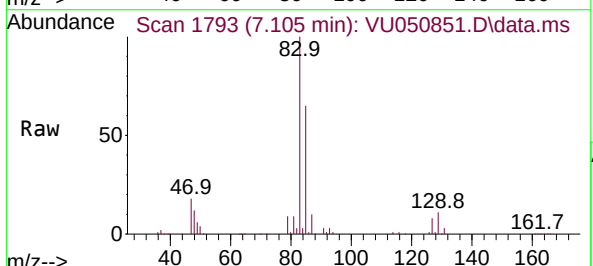
Tgt Ion: 83 Resp: 267713

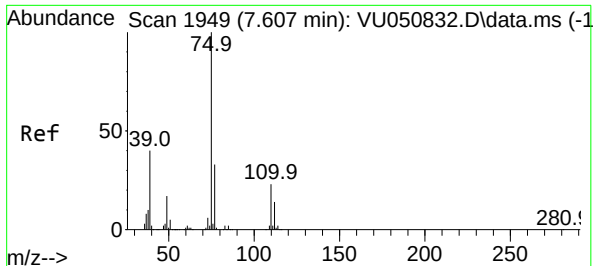
Ion Ratio Lower Upper

83 100

85 64.7 44.3 82.3

127 8.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 47.737 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

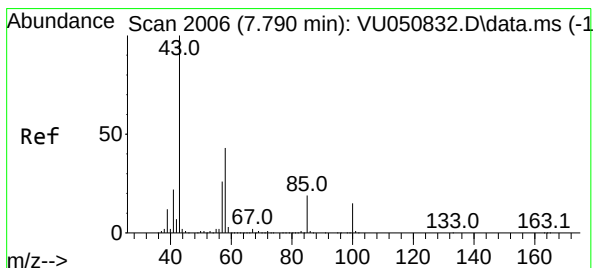
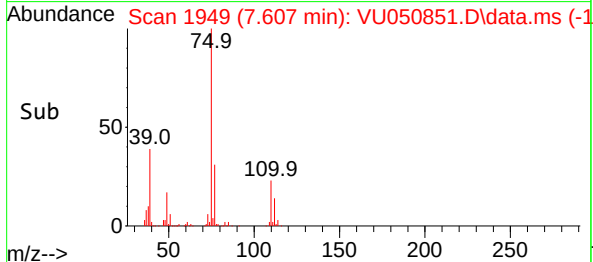
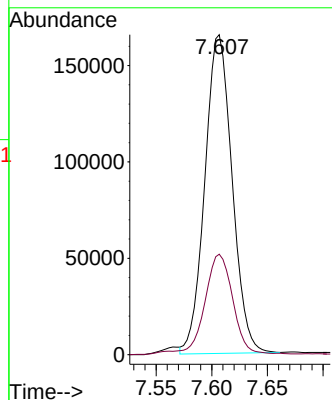
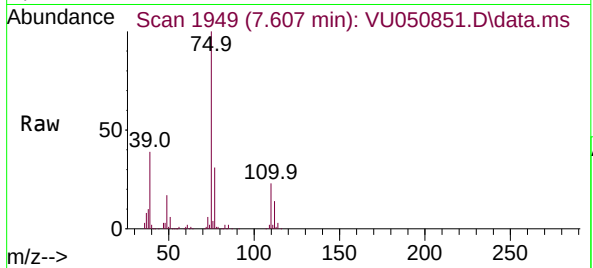
VSTD050087

Tgt Ion: 75 Resp: 281929

Ion Ratio Lower Upper

75 100

77 31.4 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 110.350 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

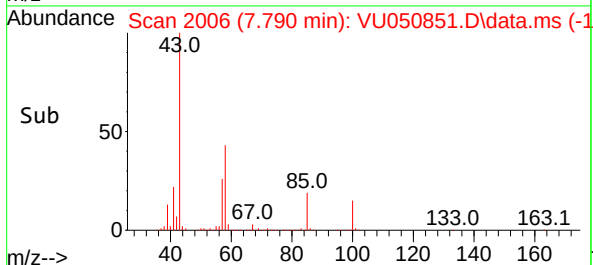
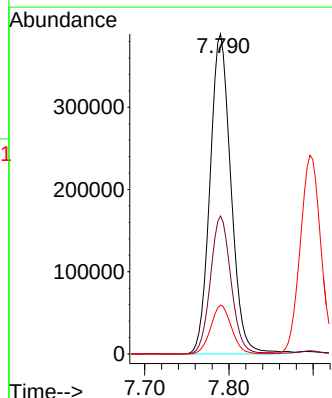
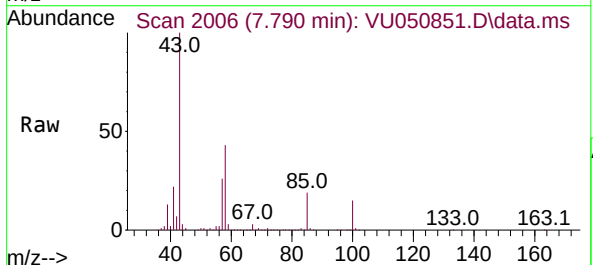
Tgt Ion: 43 Resp: 671176

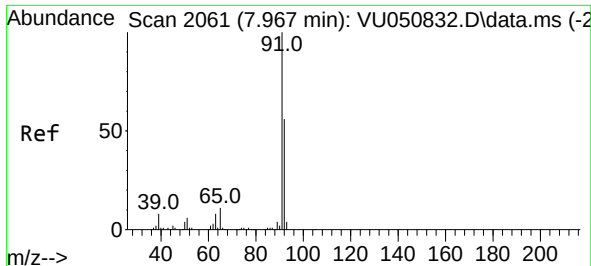
Ion Ratio Lower Upper

43 100

58 42.6 33.8 50.6

100 15.2 12.0 18.0





#42

Toluene

Concen: 53.369 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

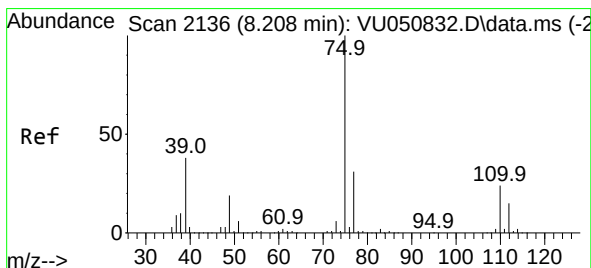
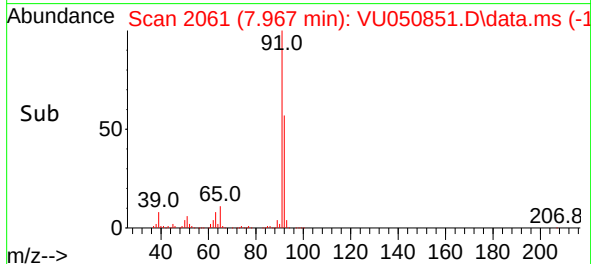
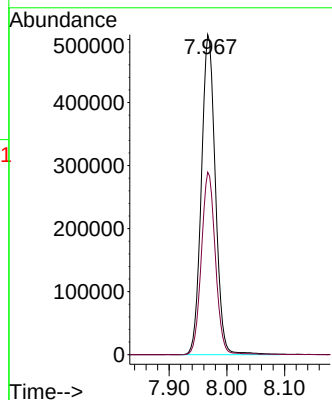
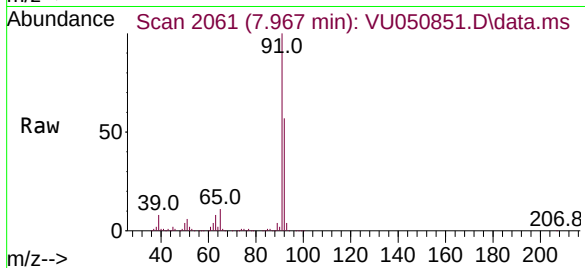
VSTD050087

Tgt Ion: 91 Resp: 854484

Ion Ratio Lower Upper

91 100

92 57.0 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 50.333 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU050851.D

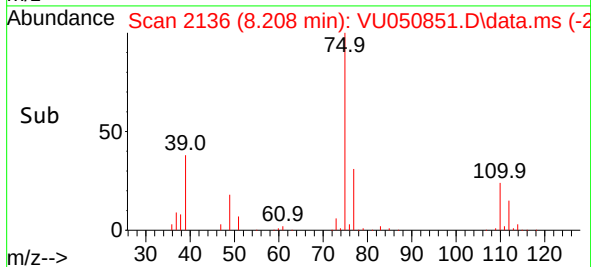
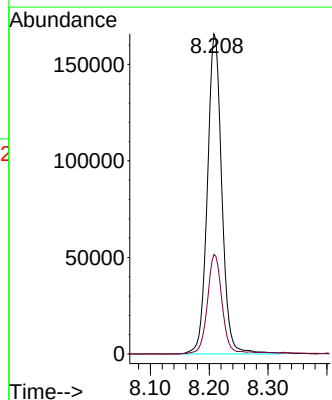
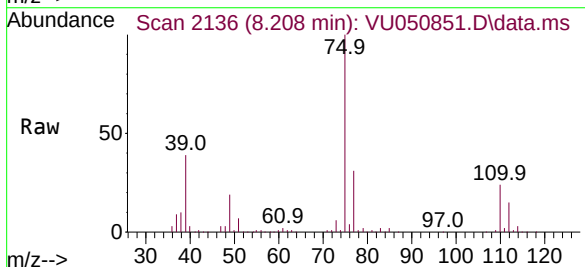
Acq: 20 Sep 2022 23:06

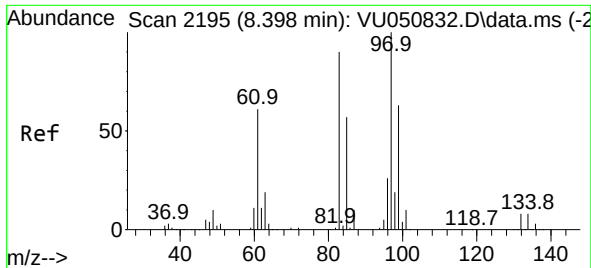
Tgt Ion: 75 Resp: 282777

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7

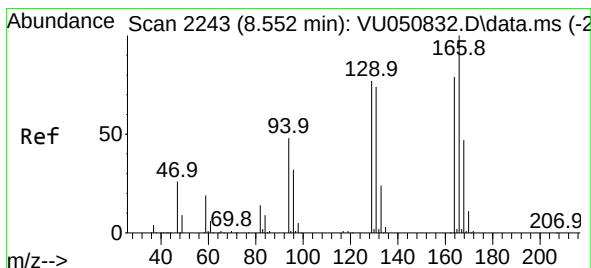
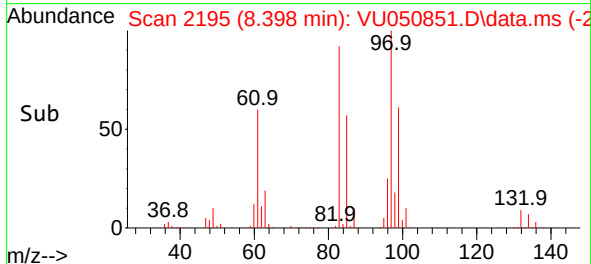
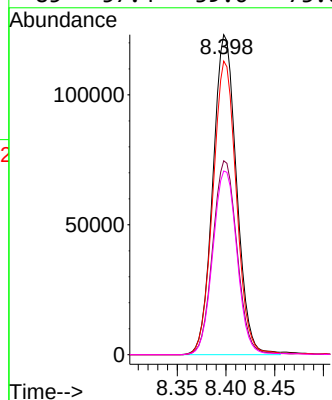
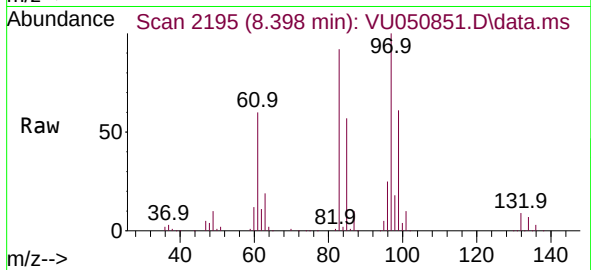




#45
1,1,2-Trichloroethane
Concen: 51.179 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

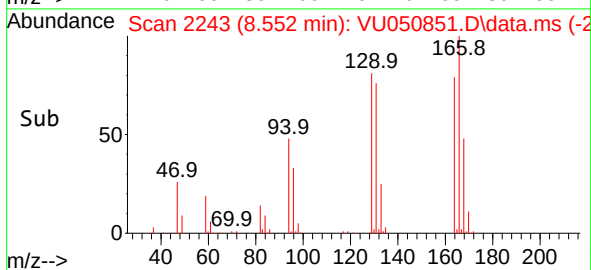
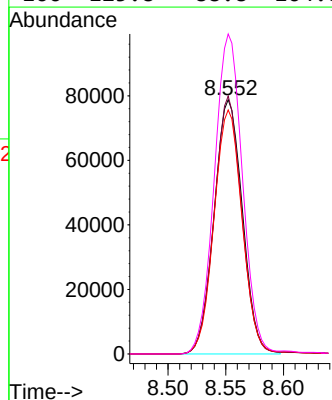
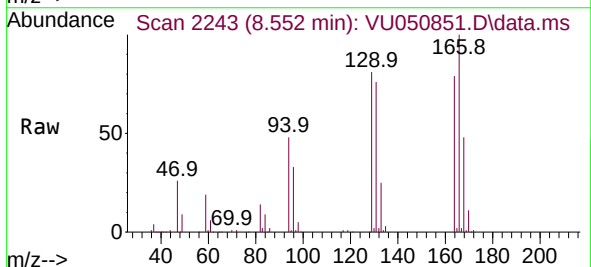
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

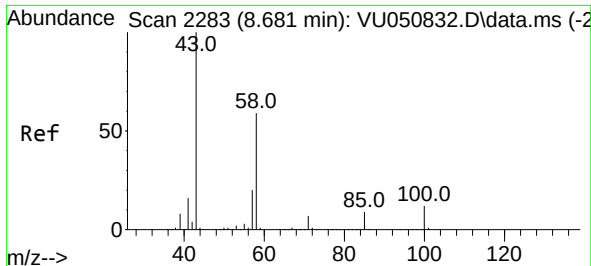
Tgt Ion: 97	Resp: 208150
Ion Ratio	Lower Upper
97 100	
99 60.6	43.8 81.4
83 91.7	62.6 116.3
85 57.4	39.6 73.6



#46
Tetrachloroethene
Concen: 49.787 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt	Ion:164	Resp:	134037
Ion	Ratio	Lower	Upper
164	100		
129	101.4	68.5	127.3
131	96.0	66.1	122.7
166	125.8	88.8	164.8

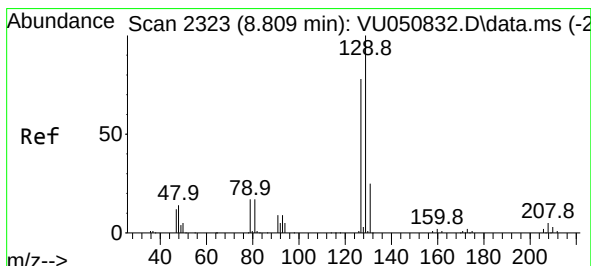
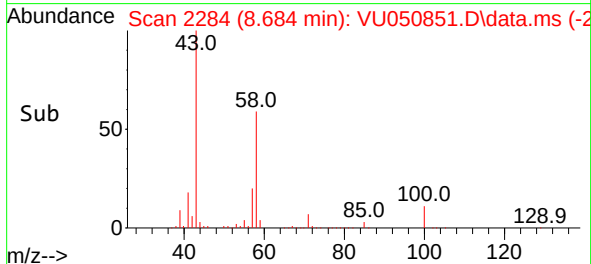
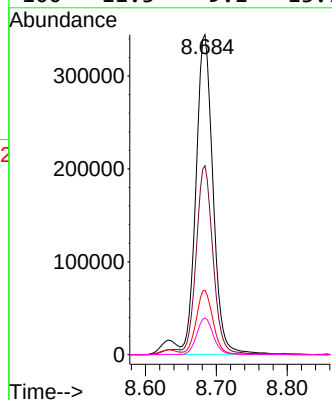
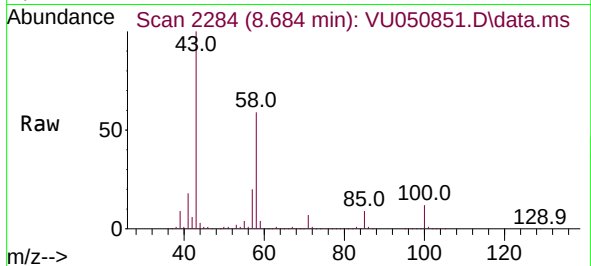




#48
2-Hexanone
Concen: 112.454 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

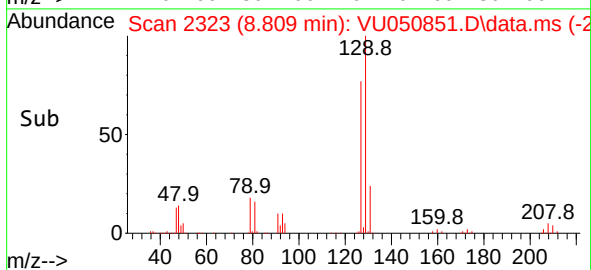
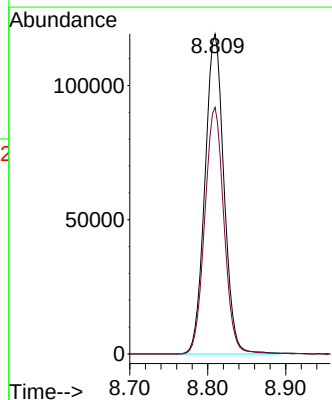
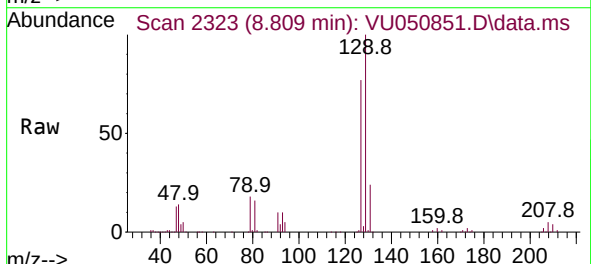
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

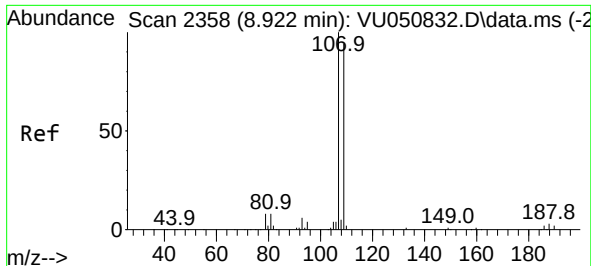
Tgt Ion: 43 Resp: 571529
Ion Ratio Lower Upper
43 100
58 58.0 47.2 70.8
57 19.6 16.2 24.4
100 11.3 9.1 13.7



#49
Dibromochloromethane
Concen: 50.736 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion: 129 Resp: 202330
Ion Ratio Lower Upper
129 100
127 77.1 54.5 101.1





#50

1,2-Dibromoethane

Concen: 51.114 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

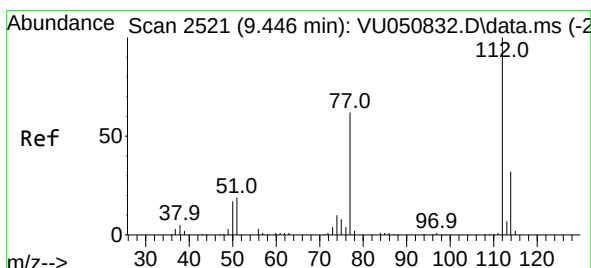
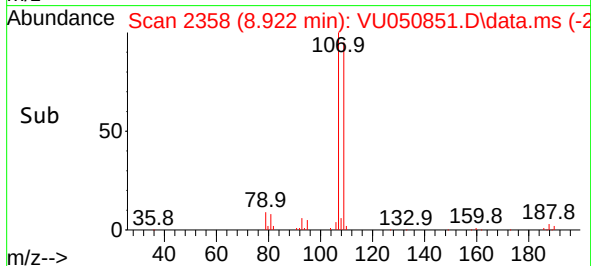
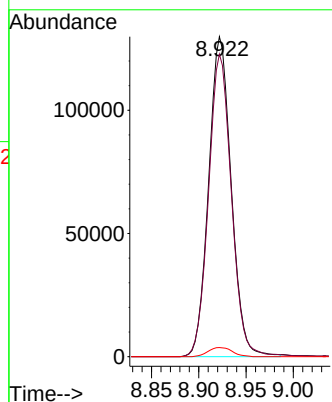
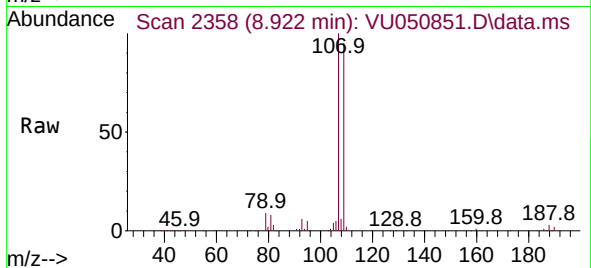
Tgt Ion:107 Resp: 215688

Ion Ratio Lower Upper

107 100

109 94.5 66.0 122.6

188 2.8 2.5 3.7



#51

Chlorobenzene

Concen: 50.006 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

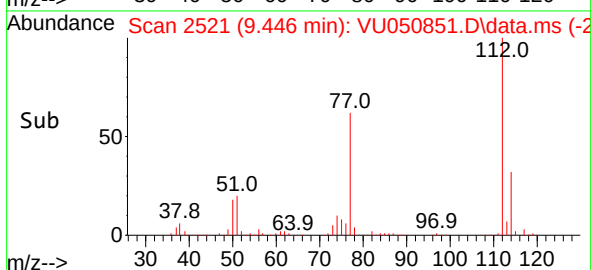
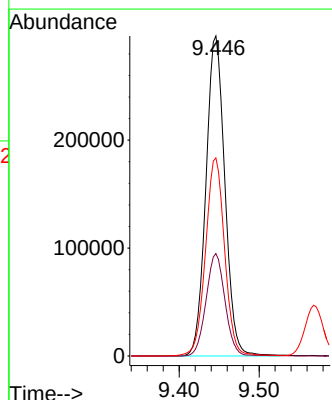
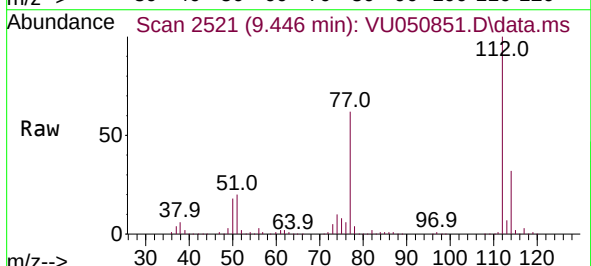
Tgt Ion:112 Resp: 488796

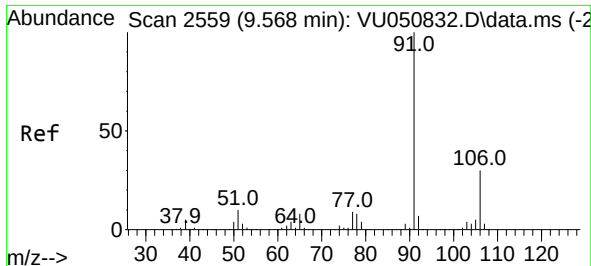
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 61.9 49.8 74.8

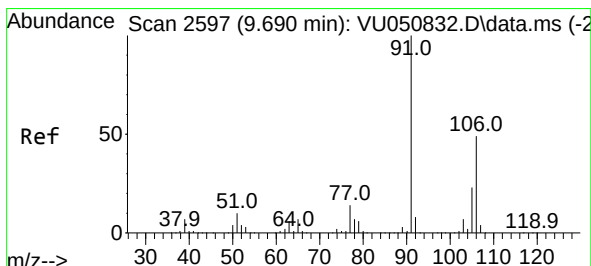
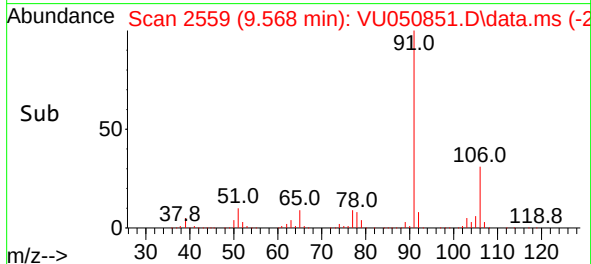
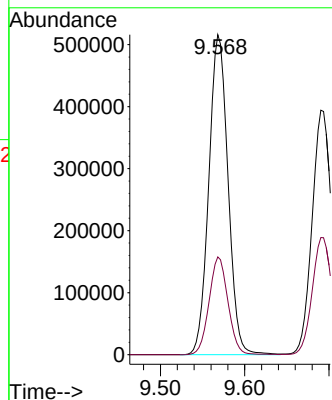
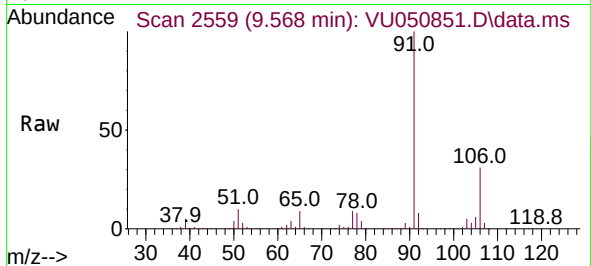




#52
Ethylbenzene
Concen: 51.255 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

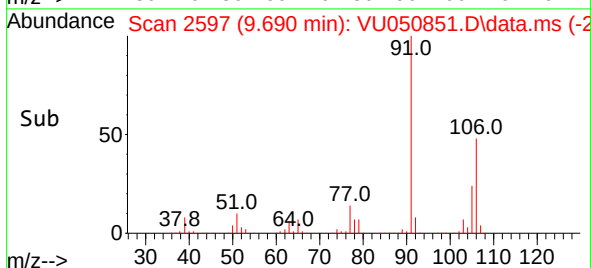
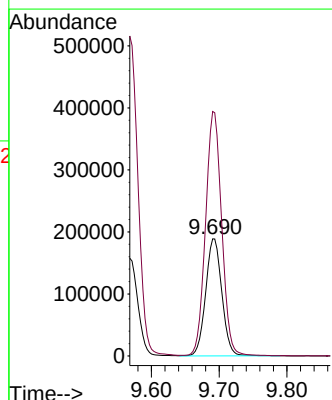
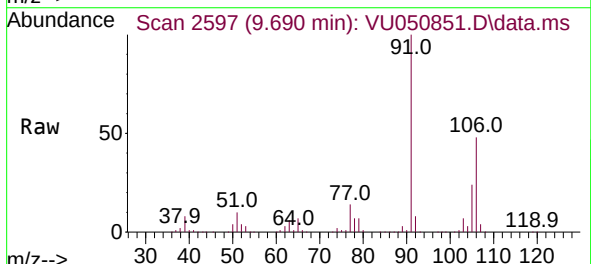
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

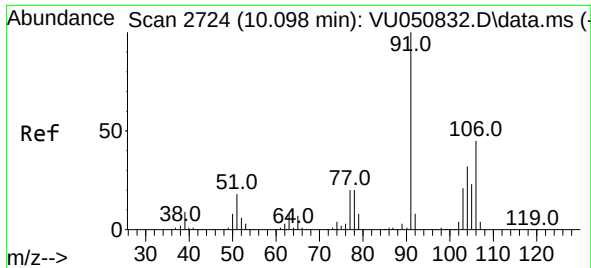
Tgt Ion: 91 Resp: 818687
Ion Ratio Lower Upper
91 100
106 30.6 21.0 39.0



#53
m,p-Xylene
Concen: 52.638 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion: 106 Resp: 312584
Ion Ratio Lower Upper
106 100
91 208.8 144.0 267.4

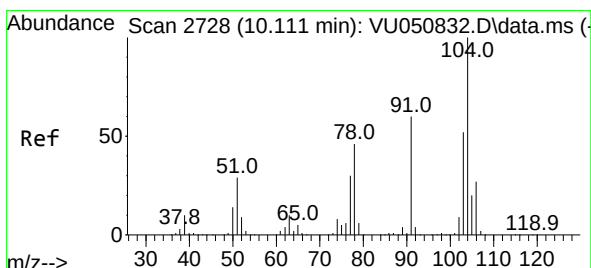
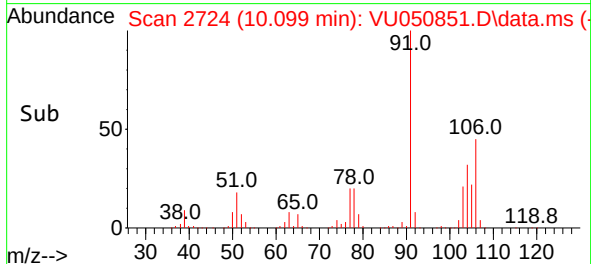
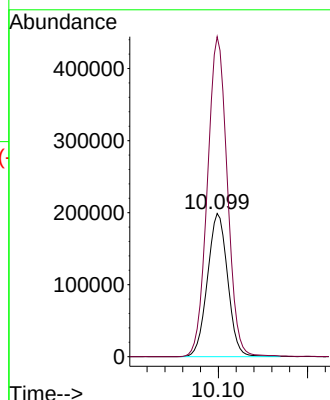
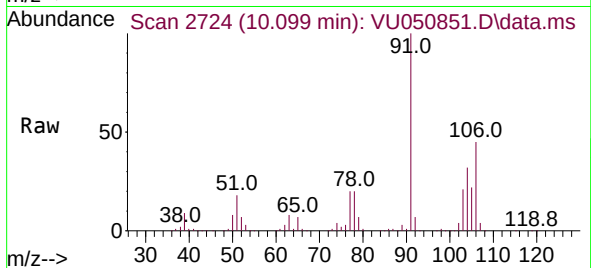




#54
o-Xylene
Concen: 52.778 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

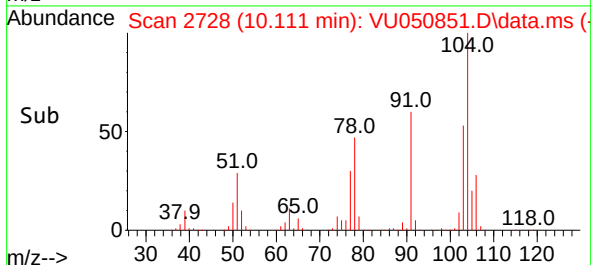
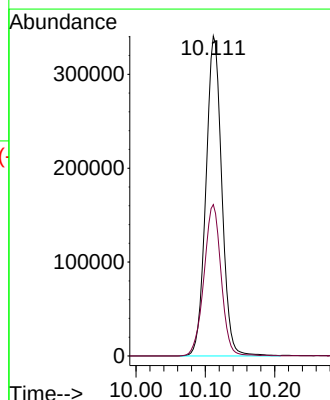
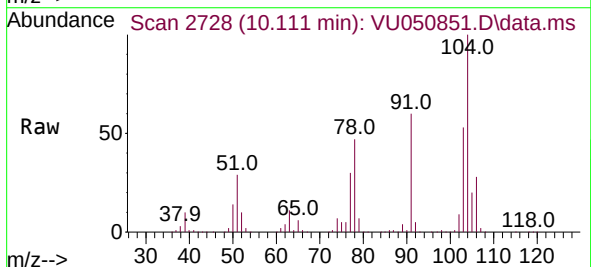
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

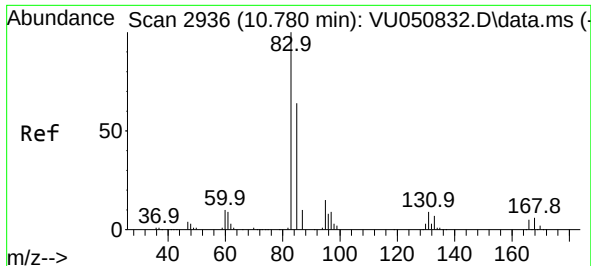
Tgt Ion:106 Resp: 312277
Ion Ratio Lower Upper
106 100
91 223.4 154.6 287.0



#55
Styrene
Concen: 53.341 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion:104 Resp: 541110
Ion Ratio Lower Upper
104 100
78 47.3 32.4 60.2

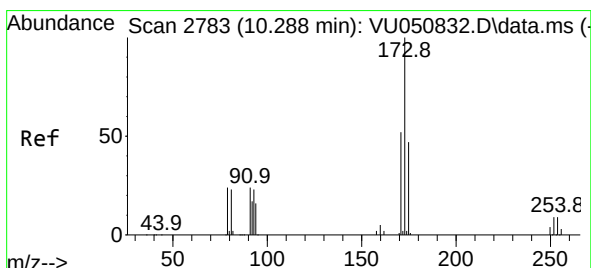
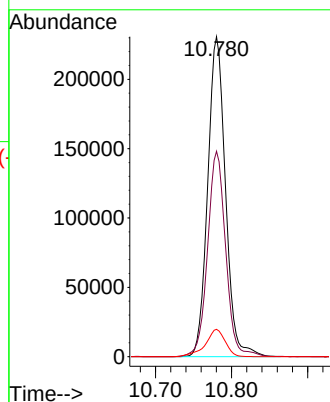
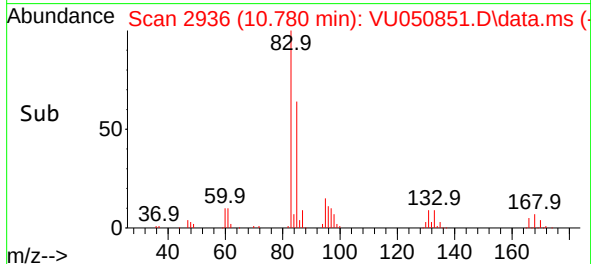
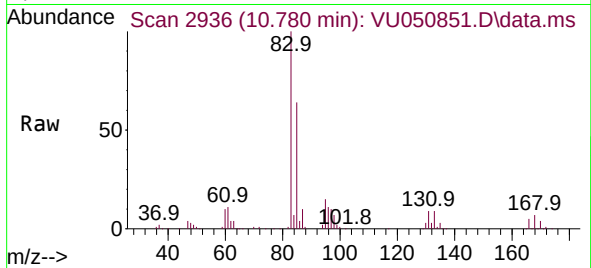




#57
1,1,2,2-Tetrachloroethane
Concen: 49.830 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

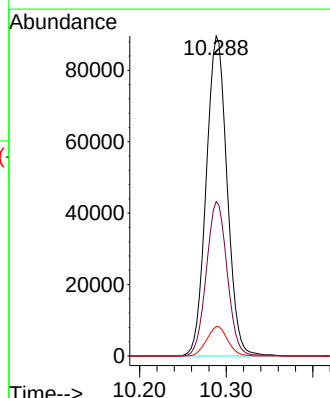
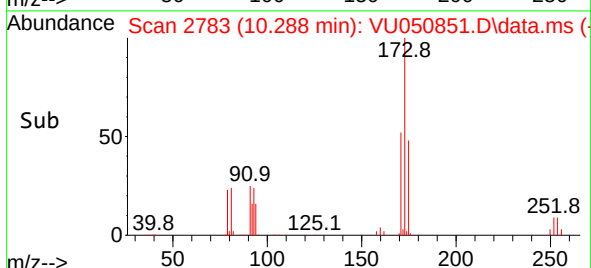
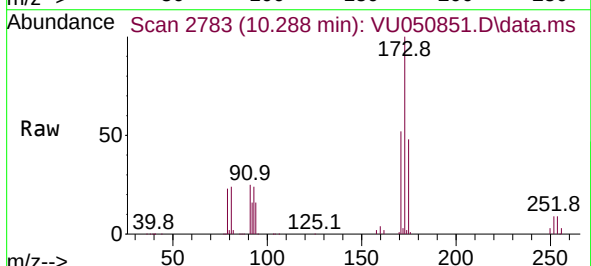
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

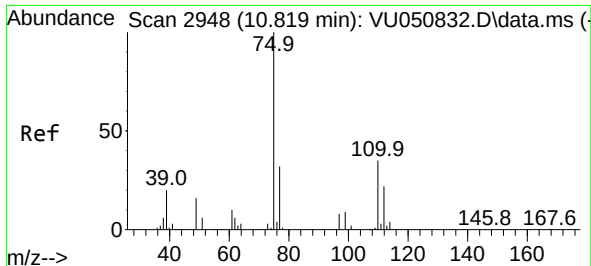
Tgt Ion: 83 Resp: 375004
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9
131 8.6 7.1 10.7



#59
Bromoform
Concen: 50.676 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion:173 Resp: 150160
Ion Ratio Lower Upper
173 100
175 48.1 37.8 56.8
254 9.2 7.1 10.7

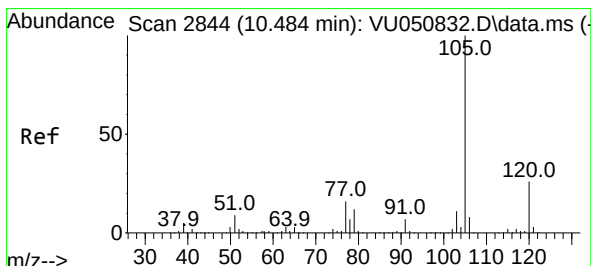
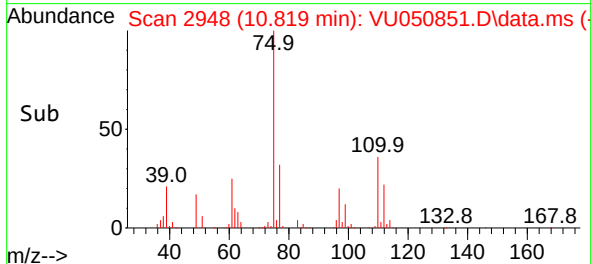
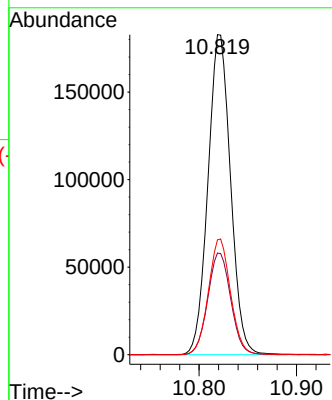
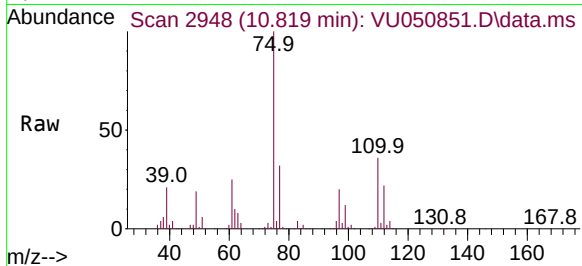




#60
1,2,3-Trichloropropane
Concen: 50.949 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

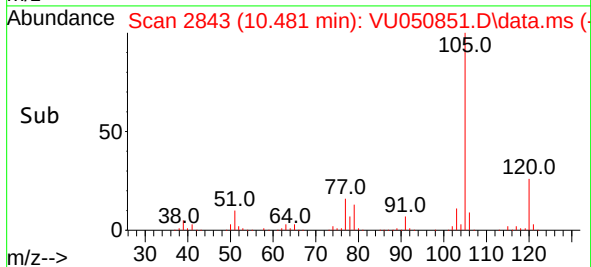
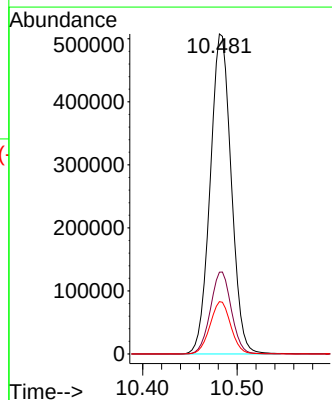
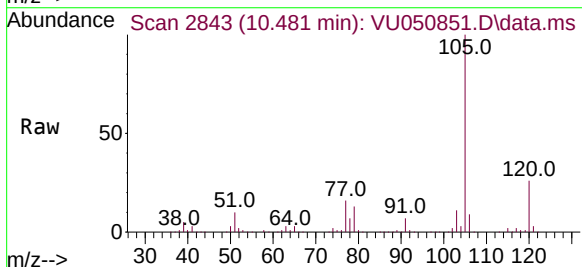
Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

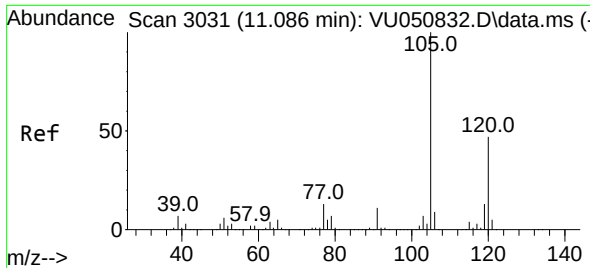
Tgt Ion: 75 Resp: 294204
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4
110 35.6 28.6 43.0



#61
Isopropylbenzene
Concen: 53.464 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion: 105 Resp: 784396
Ion Ratio Lower Upper
105 100
120 25.5 20.5 30.7
77 16.2 12.9 19.3

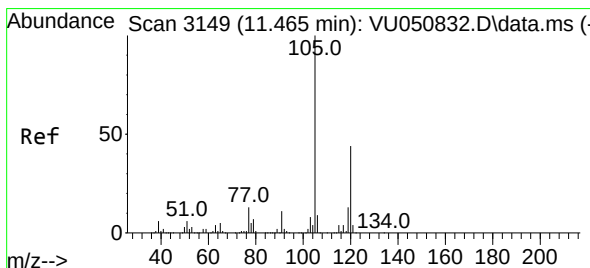
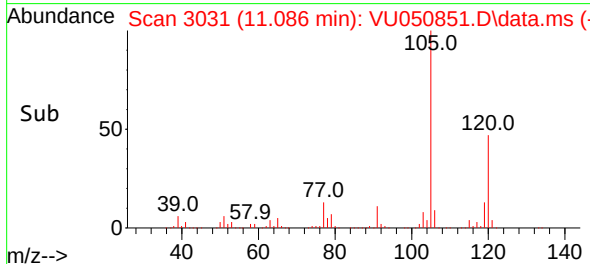
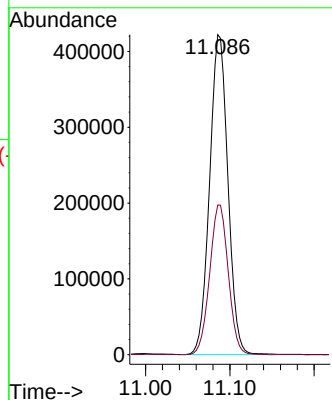
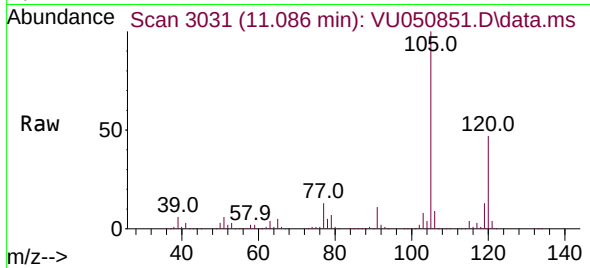




#62
 1,3,5-Trimethylbenzene
 Concen: 52.737 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

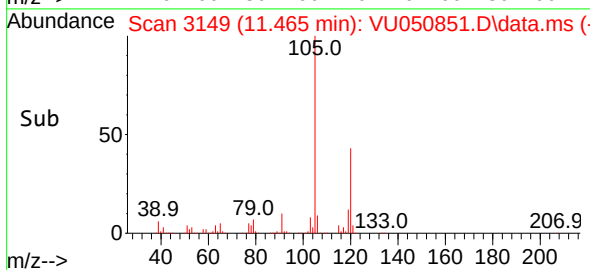
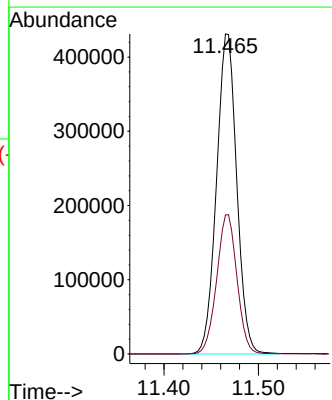
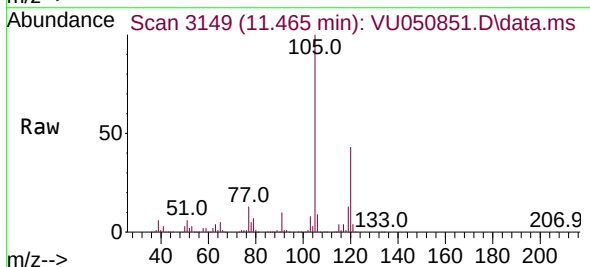
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

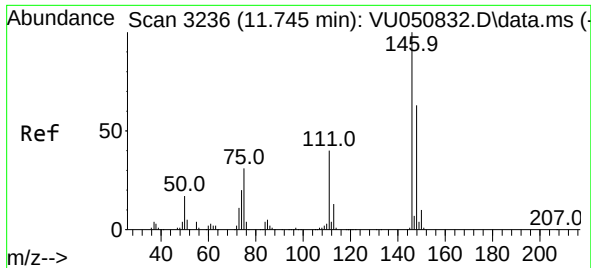
Tgt Ion:105 Resp: 636046
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 53.615 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

Tgt Ion:105 Resp: 640371
 Ion Ratio Lower Upper
 105 100
 120 43.7 34.9 52.3

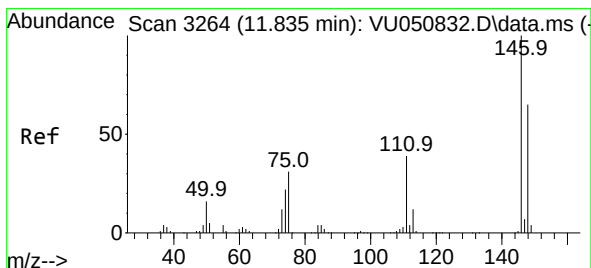
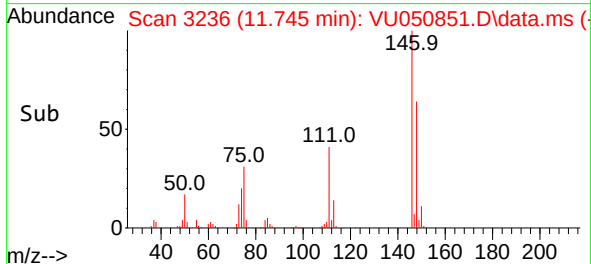
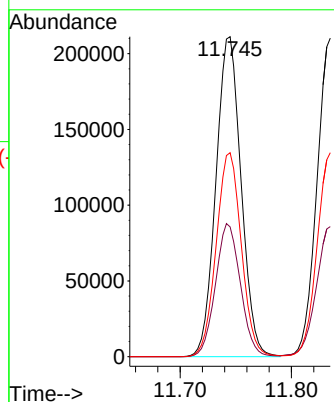
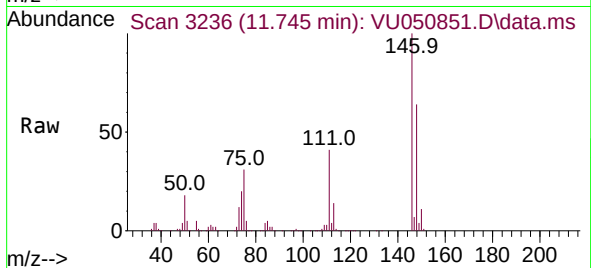




#64
 1,3-Dichlorobenzene
 Concen: 49.445 ug/L
 RT: 11.745 min Scan# 3236
 Delta R.T. 0.000 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

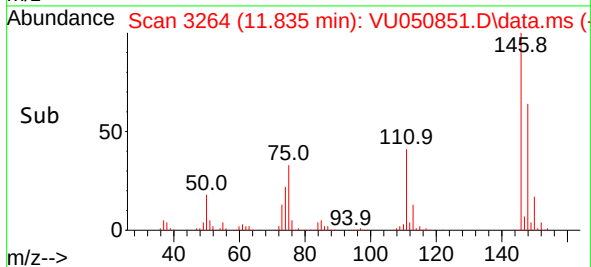
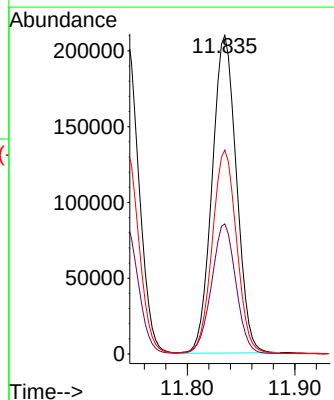
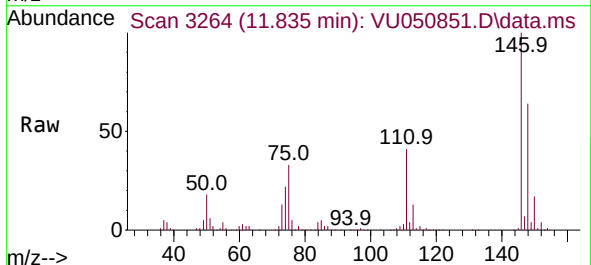
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

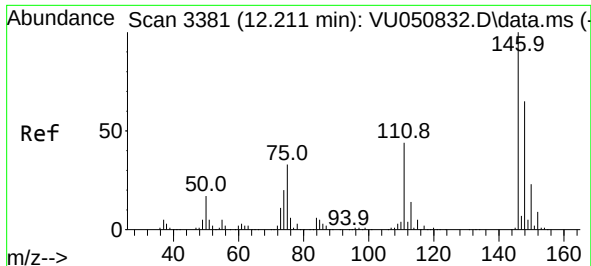
Tgt Ion:146 Resp: 331736
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.9 51.7
 148 63.8 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 48.336 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.000 min
 Lab File: VU050851.D
 Acq: 20 Sep 2022 23:06

Tgt Ion:146 Resp: 329232
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.5 51.1
 148 64.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 50.090 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

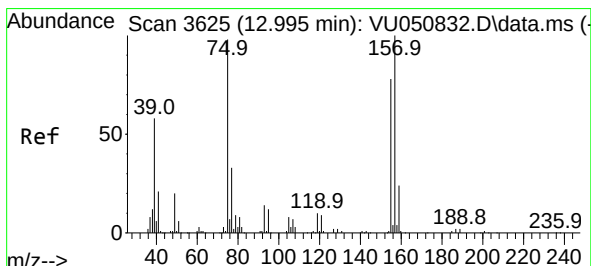
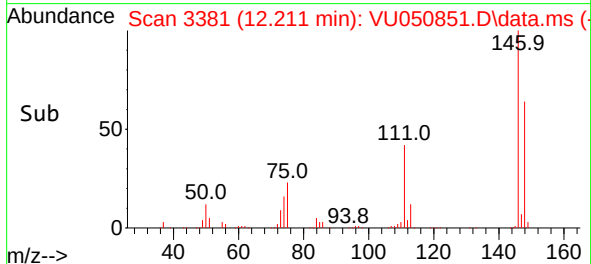
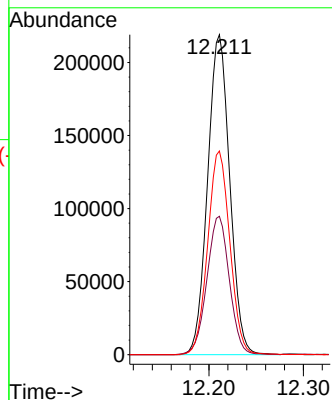
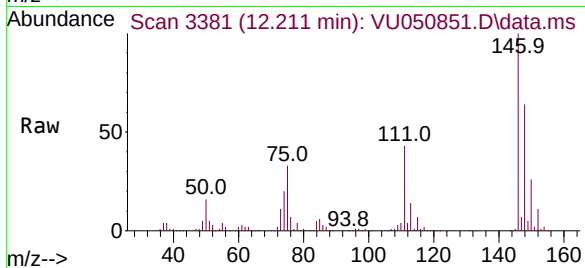
Tgt Ion:146 Resp: 355833

Ion Ratio Lower Upper

146 100

111 43.2 35.2 52.8

148 63.7 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 54.492 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

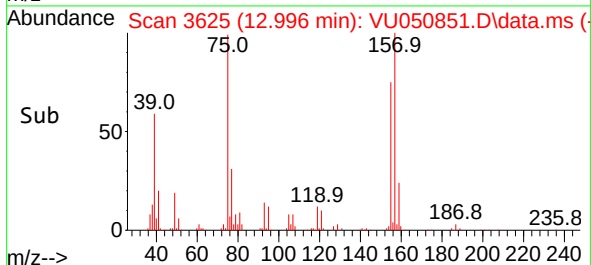
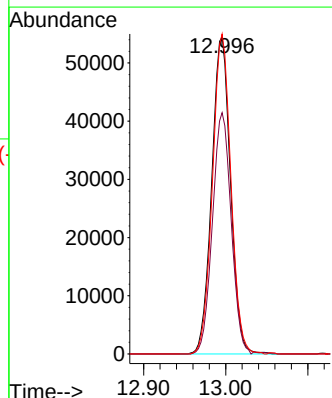
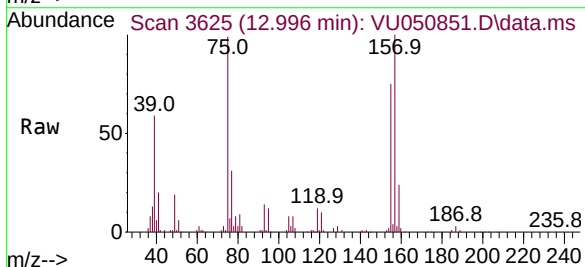
Tgt Ion: 75 Resp: 86545

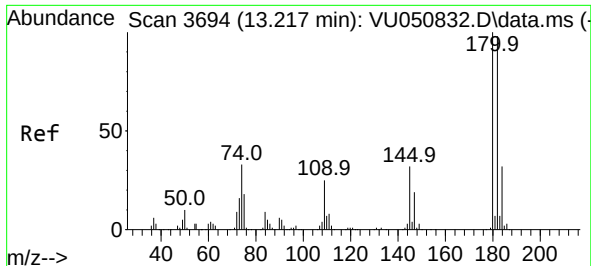
Ion Ratio Lower Upper

75 100

155 76.0 63.8 95.8

157 100.8 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 46.487 ug/L

RT: 13.217 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050087

Tgt Ion:180 Resp: 218218

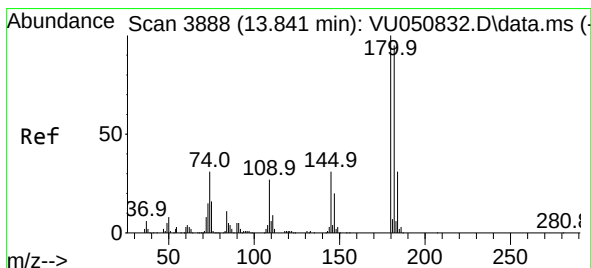
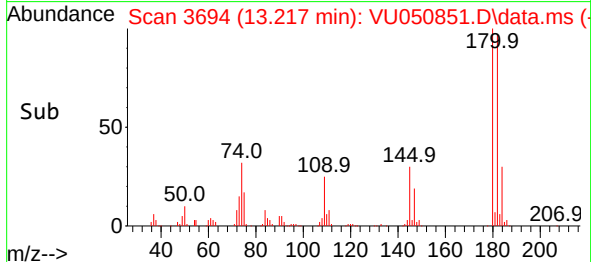
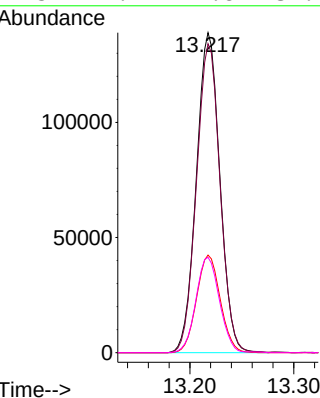
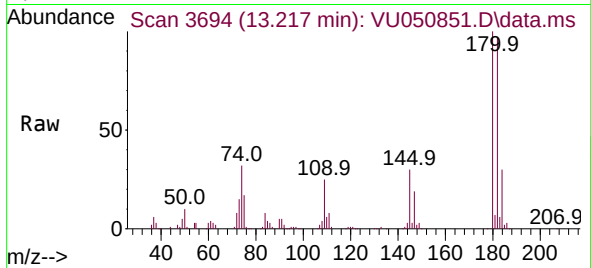
Ion Ratio Lower Upper

180 100

182 96.9 78.2 117.2

184 30.8 24.8 37.2

145 29.9 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 45.981 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU050851.D

Acq: 20 Sep 2022 23:06

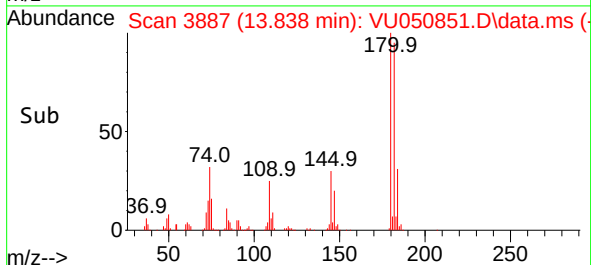
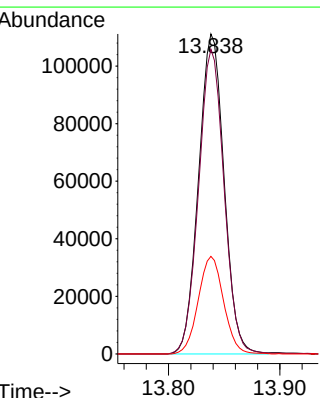
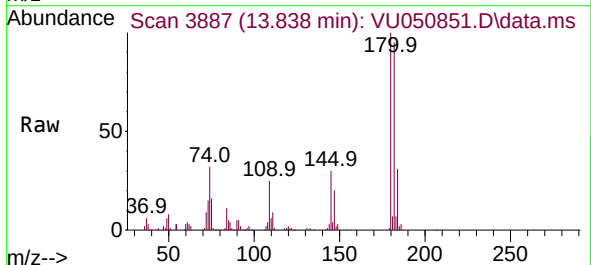
Tgt Ion:180 Resp: 176633

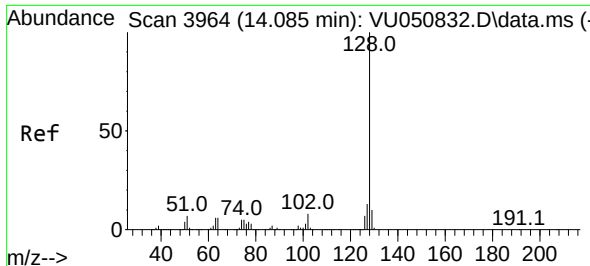
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

145 30.3 25.1 37.7

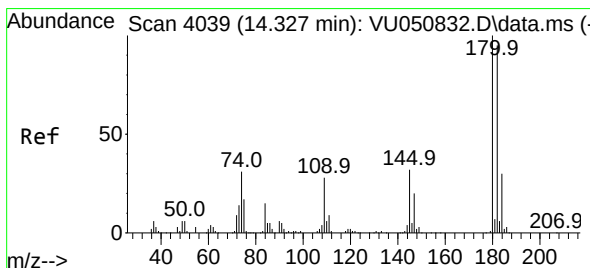
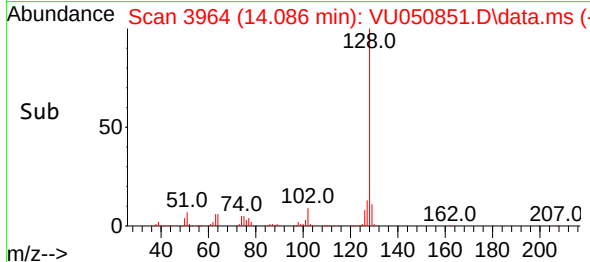
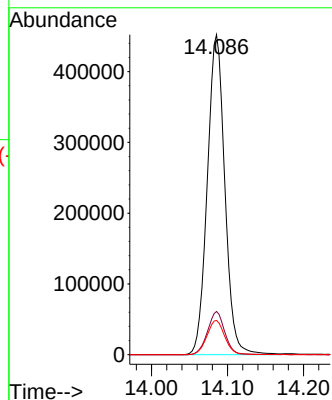
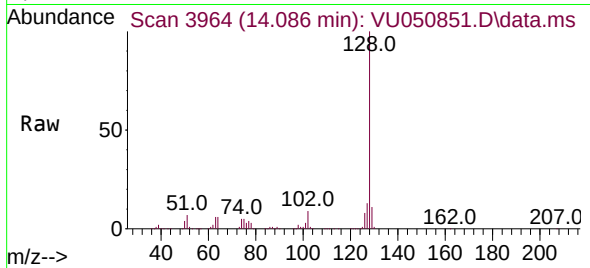




#71
Naphthalene
Concen: 49.082 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050087

Tgt Ion:128 Resp: 724635
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 48.354 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU050851.D
Acq: 20 Sep 2022 23:06

Tgt Ion:180 Resp: 207891
Ion Ratio Lower Upper
180 100
182 97.6 76.9 115.3
145 32.5 26.3 39.5

