

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052339.D
 Acq On : 10 Dec 2022 06:20
 Operator : JC/MD
 Sample : N5930-12MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ94MSD

Quant Time: Dec 10 06:52:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	272007	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	268216	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	146033	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	126104	4.766	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.400%
7) Chloroethane-d5	1.916	69	82795	4.029	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.568	65	37183	3.921	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.642	46	299858	62.524	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.040%
24) Chloroform-d	5.063	84	175236	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.700	65	88862	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.726	84	360416	4.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.687	67	115585	4.690	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.893	98	333108	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.176	79	40715	4.534	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.629	63	217539	57.162	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.320%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	110995	5.195	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	132887	4.753	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	93966	3.983	ug/L	99
3) Chloromethane	1.523	50	117556	3.818	ug/L	98
5) Vinyl chloride	1.607	62	3861042	130.521	ug/L	98
6) Bromomethane	1.861	94	49353	3.251	ug/L	99
8) Chloroethane	1.938	64	207677	11.290	ug/L	97
9) Trichlorofluoromethane	2.141	101	135595	4.167	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	80986	4.070	ug/L	100
12) 1,1-Dichloroethene	2.584	96	232062	11.761	ug/L #	74
13) Acetone	2.652	43	170264	52.281	ug/L	99
14) Carbon disulfide	2.797	76	275473	4.033	ug/L	99
15) Methyl Acetate	2.957	43	37173	4.401	ug/L	98
16) Methylene chloride	3.047	84	105821	3.964	ug/L	98
17) Methyl tert-butyl Ether	3.362	73	199738	4.522	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	192812	9.116	ug/L	98
19) 1,1-Dichloroethane	3.867	63	8728280	228.956	ug/L	99
21) 2-Butanone	4.713	43	282630	54.146	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	14540501	655.013	ug/L	96
23) Bromochloromethane	4.973	128	46997	4.425	ug/L	91
25) Chloroform	5.086	83	172487	4.465	ug/L	93

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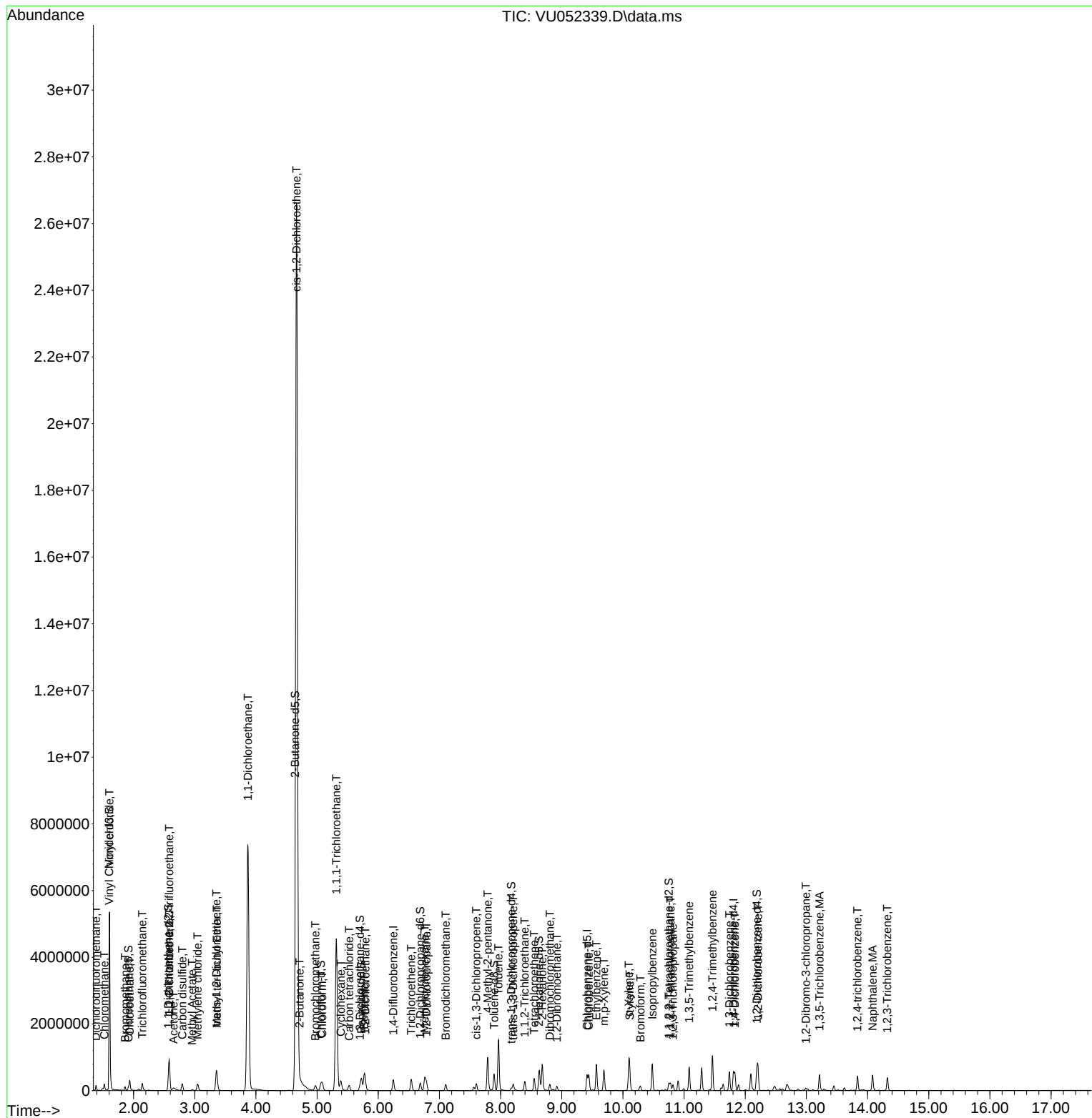
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	142358	6.017	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	3328050	111.837	ug/L	98
30) Cyclohexane	5.388	56	138801	4.804	ug/L	99
31) Carbon tetrachloride	5.523	117	107591	4.255	ug/L	99
33) Benzene	5.771	78	461726	5.290	ug/L	100
34) Trichloroethene	6.539	95	122754	5.638	ug/L	98
35) Methylcyclohexane	6.761	83	153685	4.907	ug/L	99
37) 1,2-Dichloropropane	6.787	63	106120	4.695	ug/L	99
38) Bromodichloromethane	7.102	83	124473	4.517	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	126926	4.374	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	642162	54.394	ug/L	99
42) Toluene	7.967	91	1152295	12.833	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	113244	4.557	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	94239	5.549	ug/L	99
47) Tetrachloroethene	8.549	164	81522	4.886	ug/L	99
48) 2-Hexanone	8.681	43	485579	56.105	ug/L	99
49) Dibromochloromethane	8.806	129	90175	4.741	ug/L	98
50) 1,2-Dibromoethane	8.918	107	75474	4.879	ug/L	99
51) Chlorobenzene	9.443	112	258405	4.514	ug/L	99
52) Ethylbenzene	9.565	91	544096	6.233	ug/L	99
53) m,p-Xylene	9.690	106	176342	5.217	ug/L	97
54) o-Xylene	10.095	106	193409	5.970	ug/L	98
55) Styrene	10.111	104	274210	5.011	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	110236	5.197	ug/L	97
59) Bromoform	10.288	173	54243	4.510	ug/L	100
60) Isopropylbenzene	10.481	105	515364	5.618	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	74931	4.483	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	377701	5.151	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	578677	7.950	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	209556	4.474	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	208772	4.469	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	241597	5.356	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	17500	4.785	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	146940	4.424	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	129721	5.129	ug/L	99
71) Naphthalene	14.082	128	390709	8.228	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	124295	4.995	ug/L	99

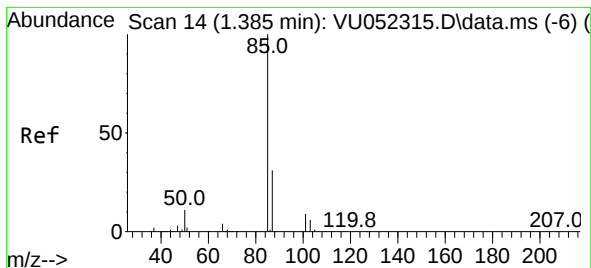
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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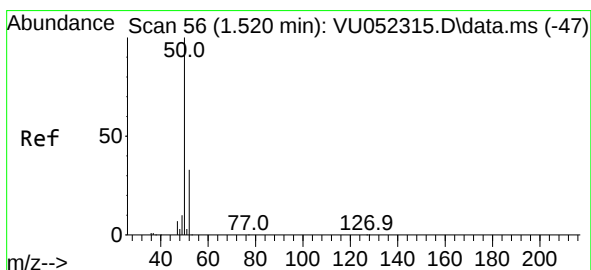
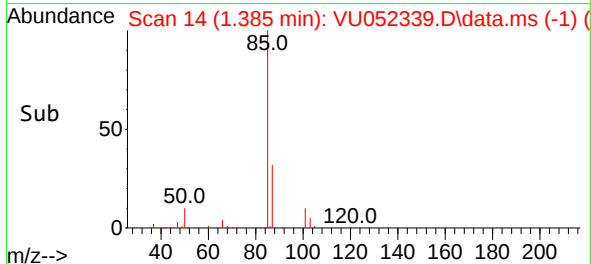
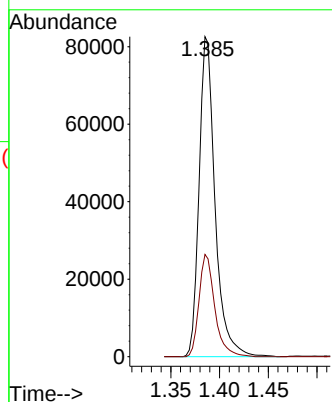
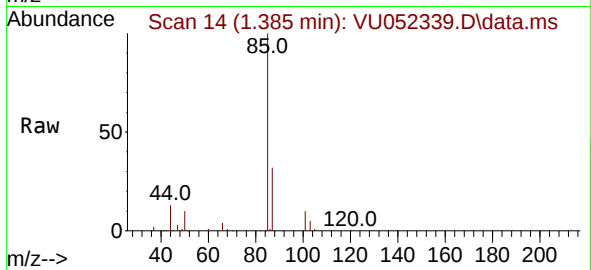




#2
Dichlorodifluoromethane
Concen: 3.983 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

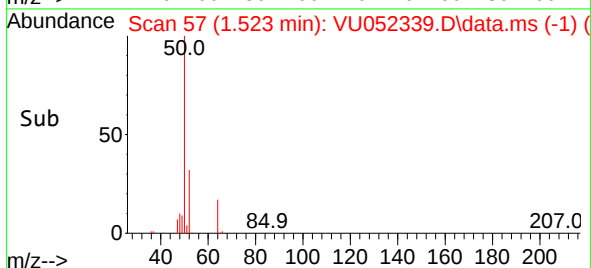
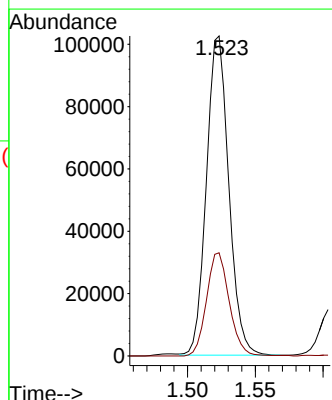
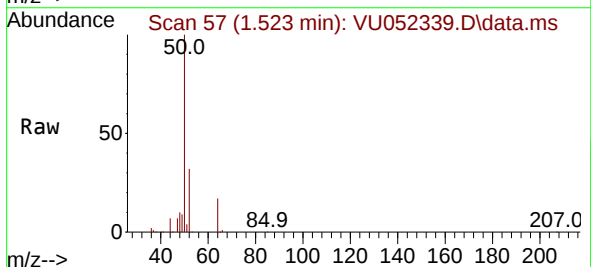
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

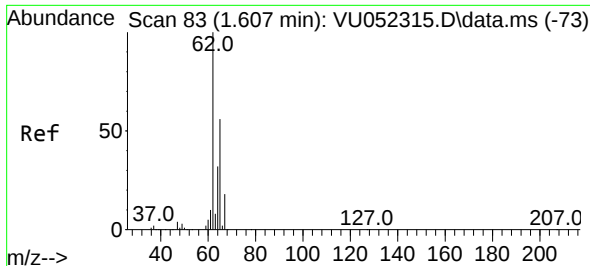
Tgt Ion: 85 Resp: 93966
Ion Ratio Lower Upper
85 100
87 31.5 25.8 38.8



#3
Chloromethane
Concen: 3.818 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion: 50 Resp: 117556
Ion Ratio Lower Upper
50 100
52 32.3 23.4 43.4

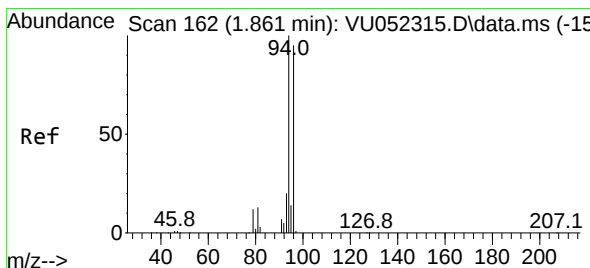
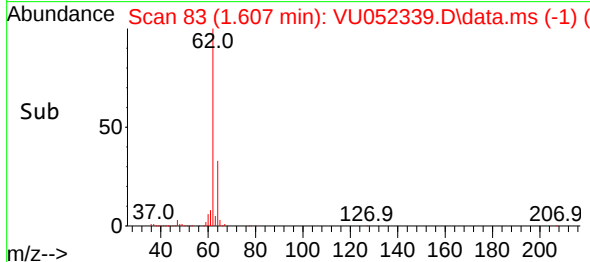
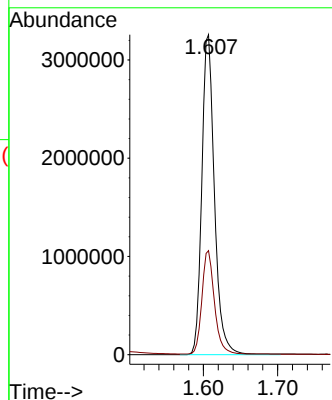
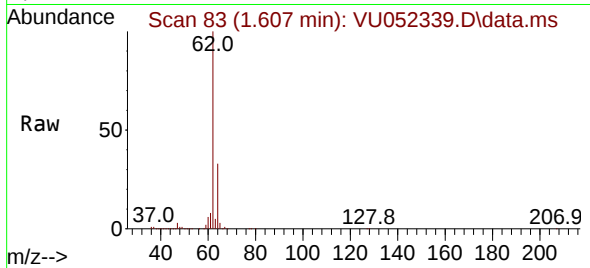




#5
 Vinyl chloride
 Concen: 130.521 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.003 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

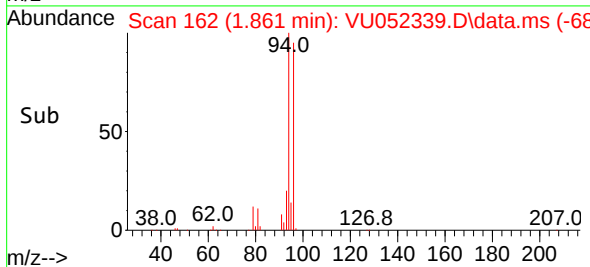
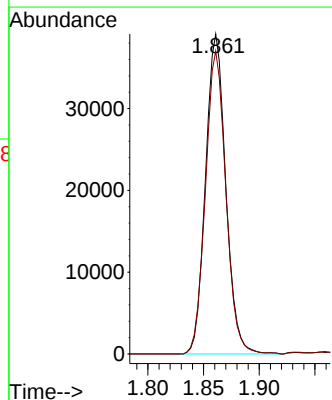
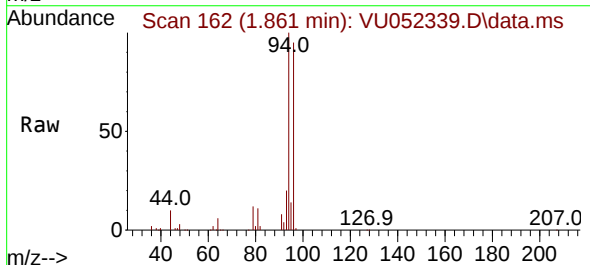
Instrument :
 MSVOA_U
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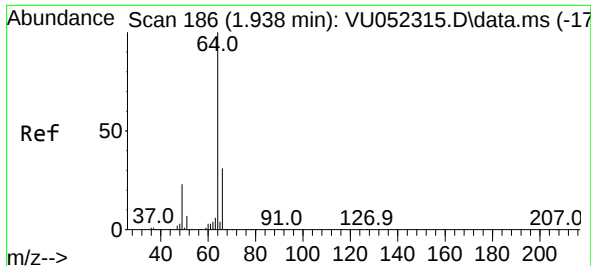
Tgt Ion: 62 Resp: 3861042
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.5 43.7



#6
 Bromomethane
 Concen: 3.251 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

Tgt Ion: 94 Resp: 49353
 Ion Ratio Lower Upper
 94 100
 96 94.6 65.7 122.1

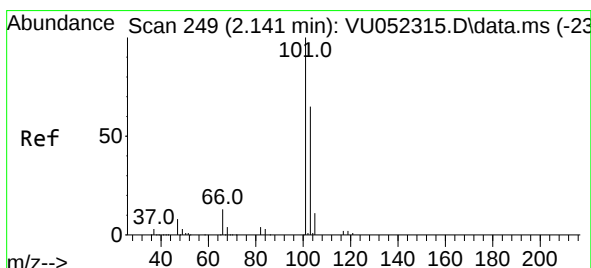
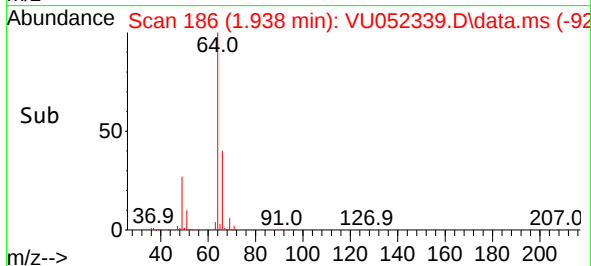
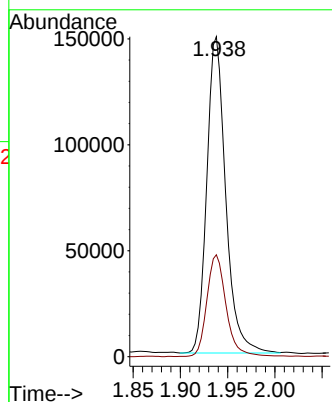
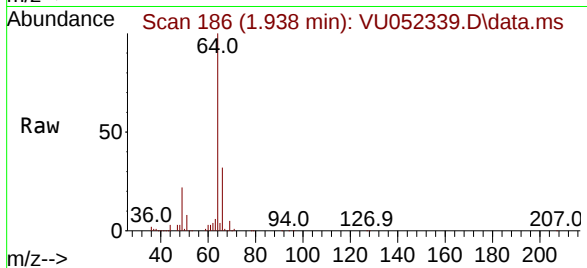




#8
Chloroethane
Concen: 11.290 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

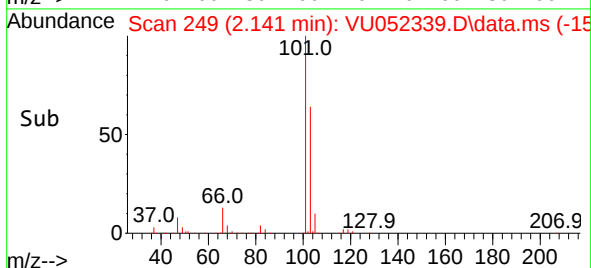
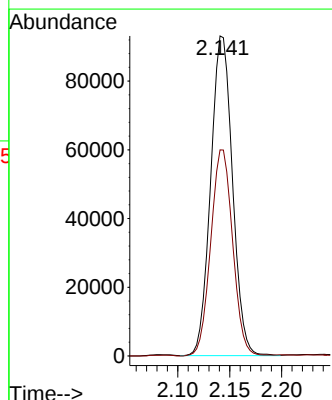
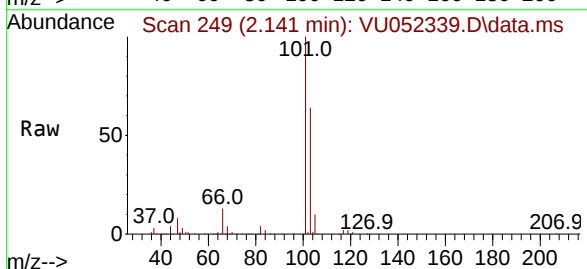
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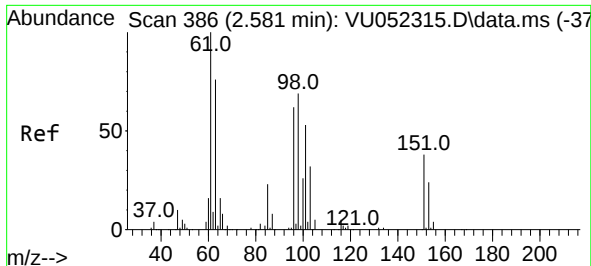
Tgt Ion: 64 Resp: 207677
Ion Ratio Lower Upper
64 100
66 31.9 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.167 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion:101 Resp: 135595
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

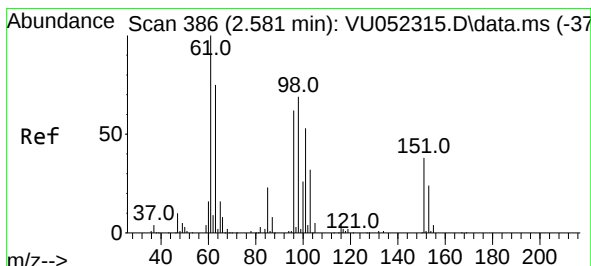
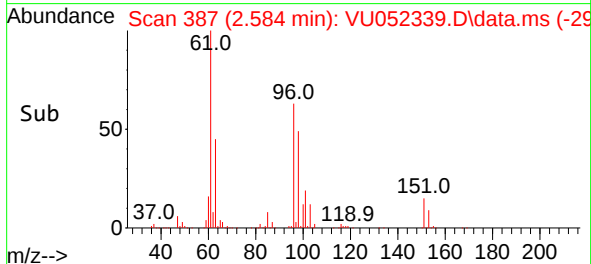
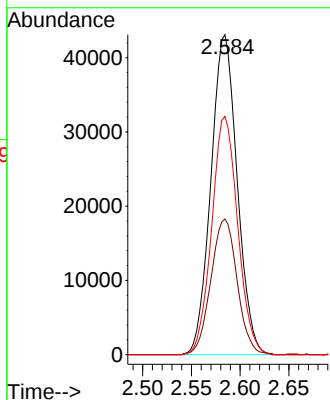
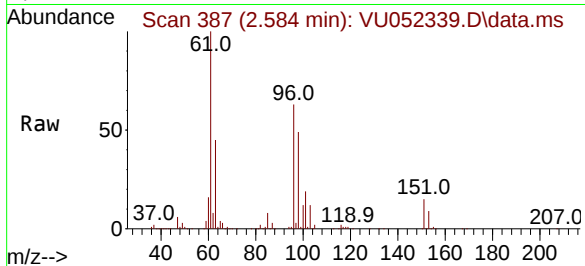




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.070 ug/L
 RT: 2.584 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

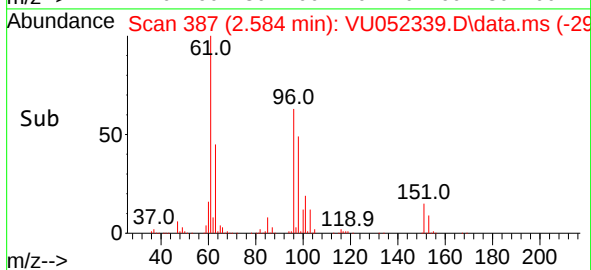
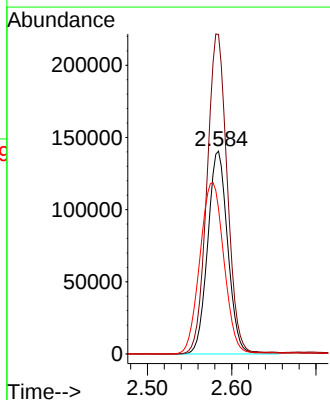
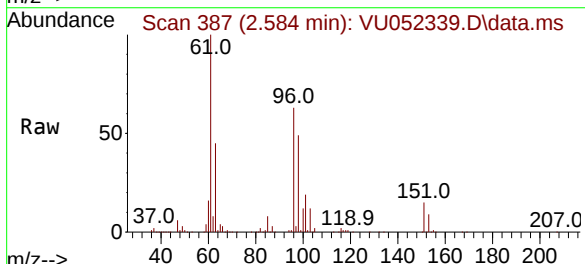
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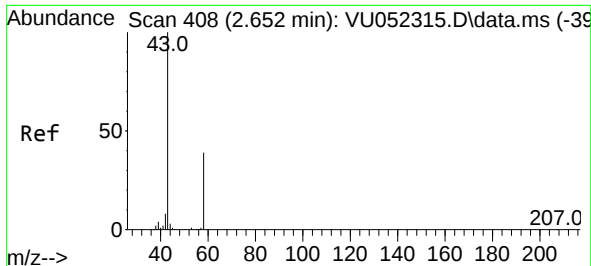
Tgt Ion:101 Resp: 80986
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.8 50.6
 151 73.6 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 11.761 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.003 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

Tgt Ion: 96 Resp: 232062
 Ion Ratio Lower Upper
 96 100
 61 157.5 114.8 213.2
 63 71.6 93.7 174.1#





#13

Acetone

Concen: 52.281 ug/L

RT: 2.652 min Scan# 408

Delta R.T. 0.006 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

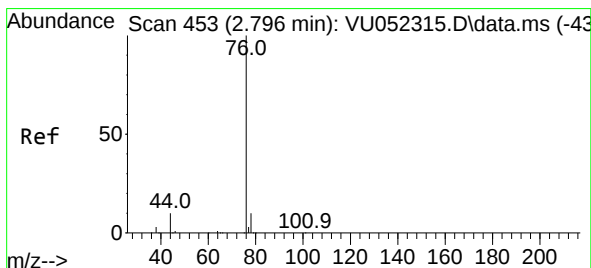
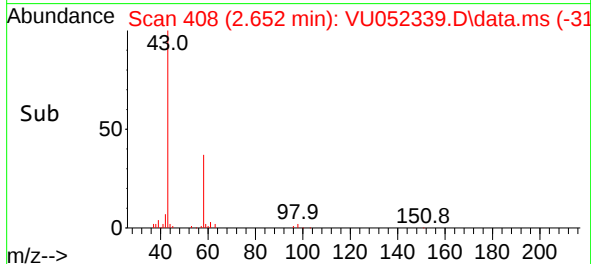
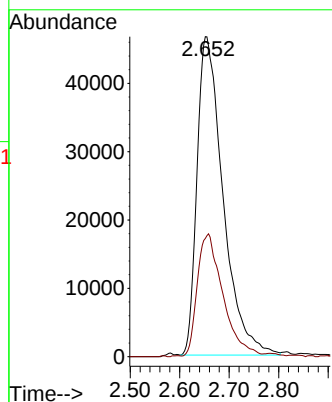
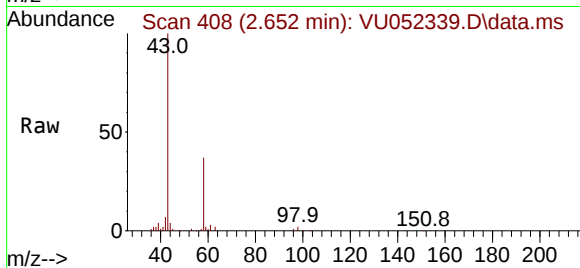
EXZ94MSD

Tgt Ion: 43 Resp: 170264

Ion Ratio Lower Upper

43 100

58 37.4 0.0 76.0



#14

Carbon disulfide

Concen: 4.033 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052339.D

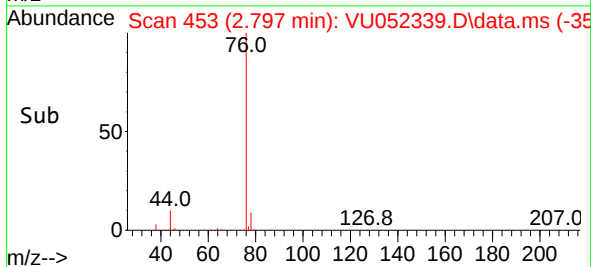
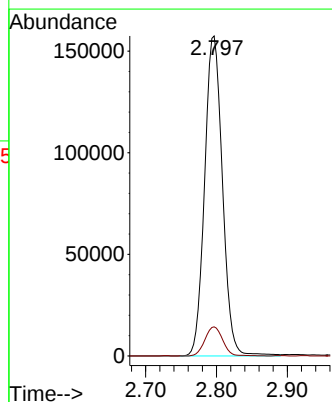
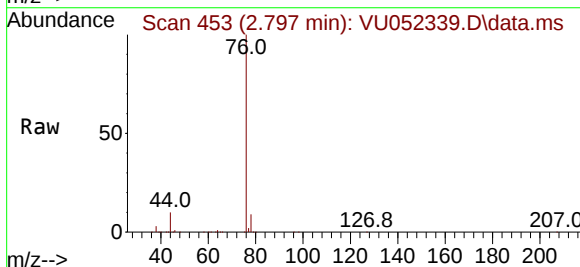
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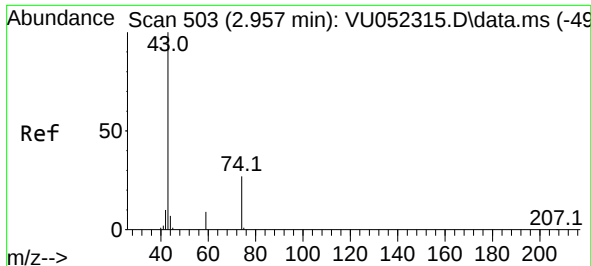
Tgt Ion: 76 Resp: 275473

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

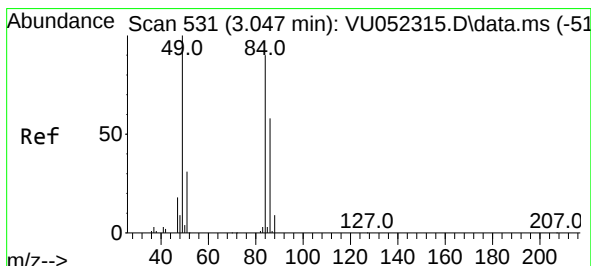
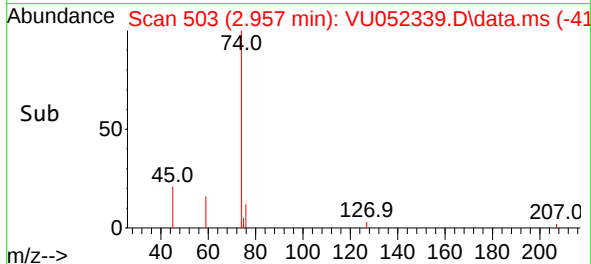
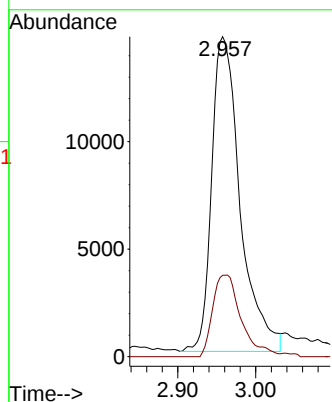
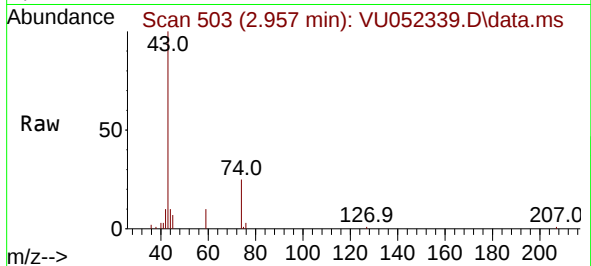




#15
Methyl Acetate
Concen: 4.401 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

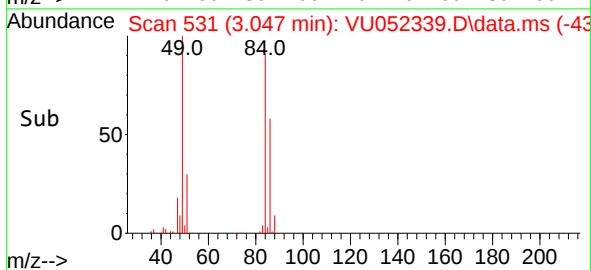
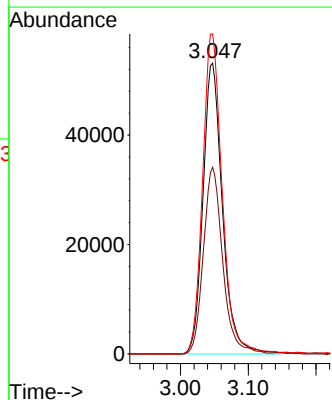
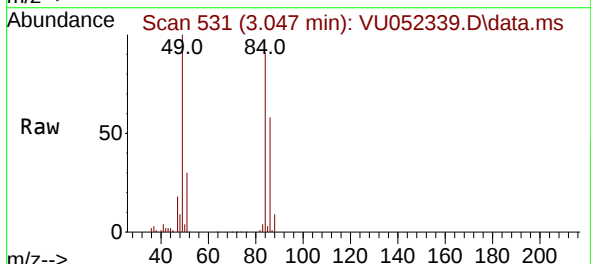
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

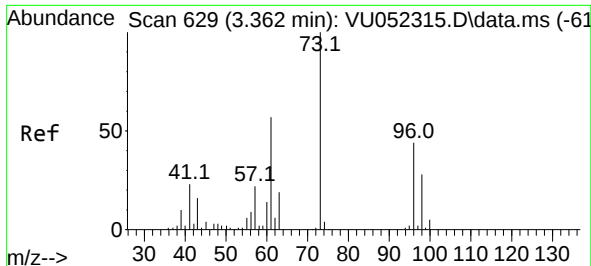
Tgt Ion: 43 Resp: 37173
Ion Ratio Lower Upper
43 100
74 25.8 21.3 31.9



#16
Methylene chloride
Concen: 3.964 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion: 84 Resp: 105821
Ion Ratio Lower Upper
84 100
86 64.1 43.8 81.4
49 110.0 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 4.522 ug/L

RT: 3.362 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

EXZ94MSD

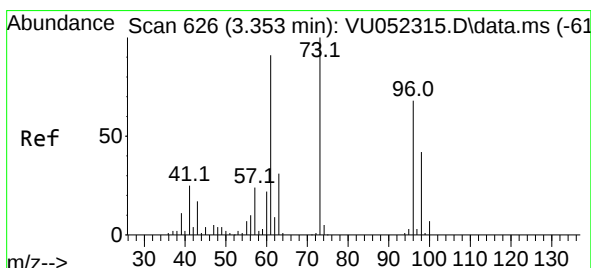
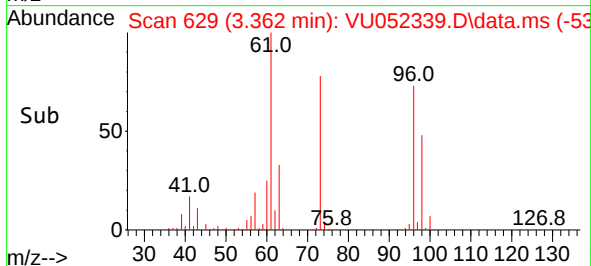
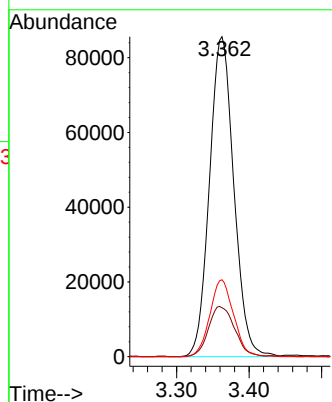
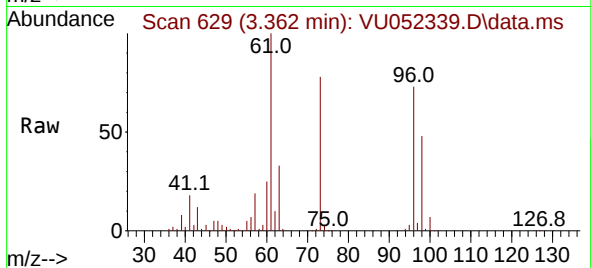
Tgt Ion: 73 Resp: 199738

Ion Ratio Lower Upper

73 100

43 16.9 13.2 19.8

57 23.5 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 9.116 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

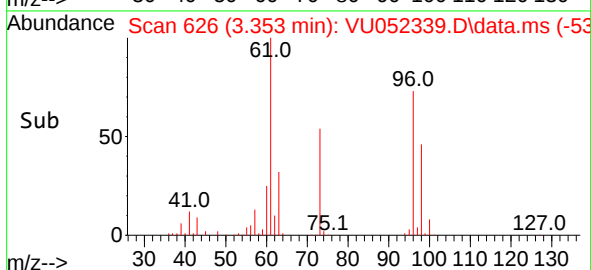
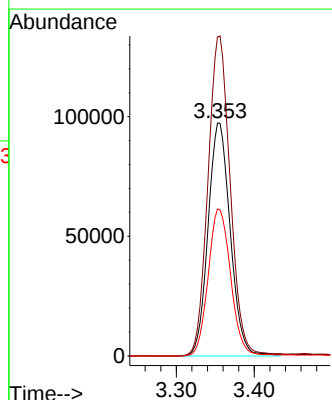
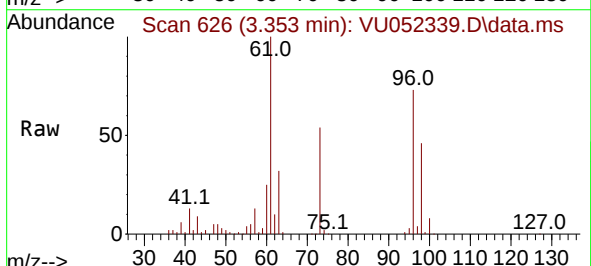
Tgt Ion: 96 Resp: 192812

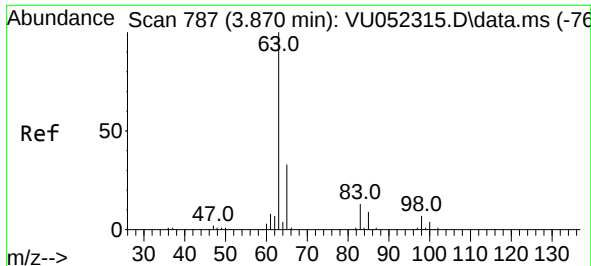
Ion Ratio Lower Upper

96 100

61 137.0 97.9 181.7

98 63.0 43.8 81.3





#19

1,1-Dichloroethane

Concen: 228.956 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

EXZ94MSD

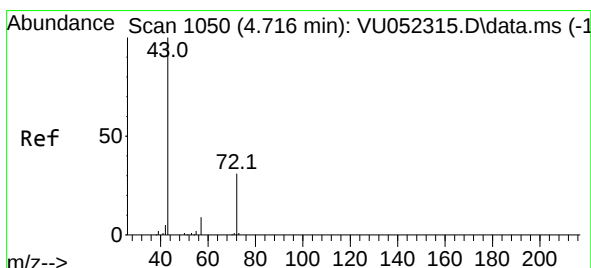
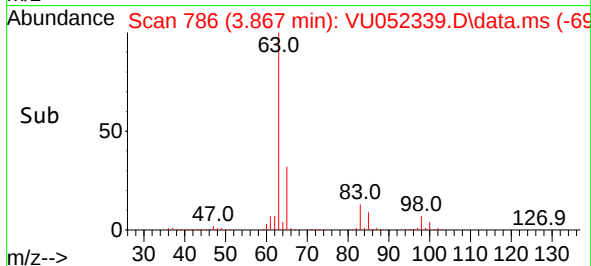
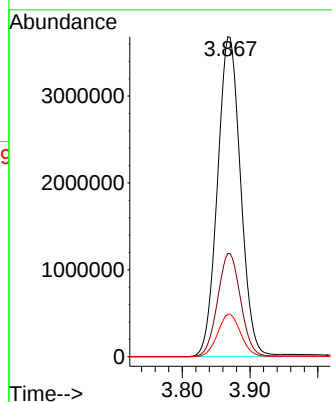
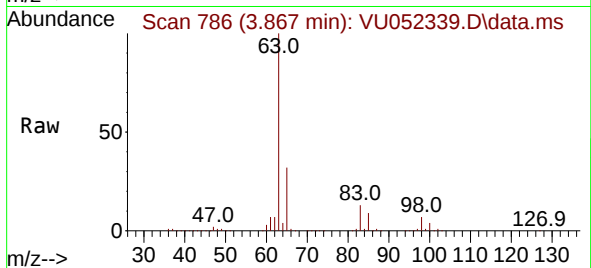
Tgt Ion: 63 Resp: 8728280

Ion Ratio Lower Upper

63 100

65 32.2 22.2 41.2

83 13.3 9.2 17.0



#21

2-Butanone

Concen: 54.146 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU052339.D

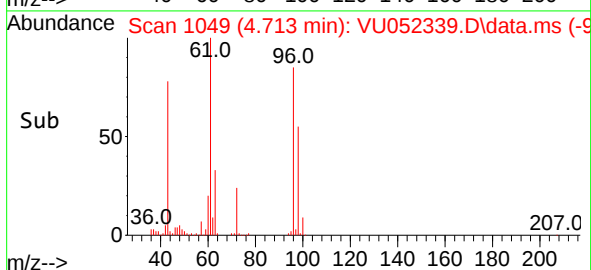
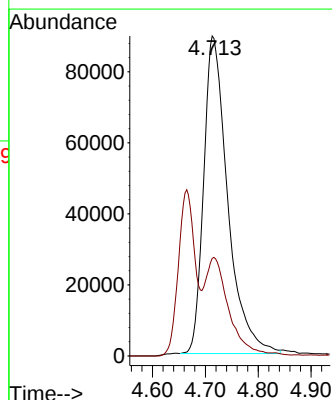
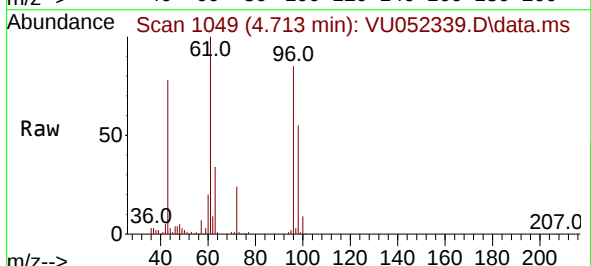
Acq: 10 Dec 2022 06:20

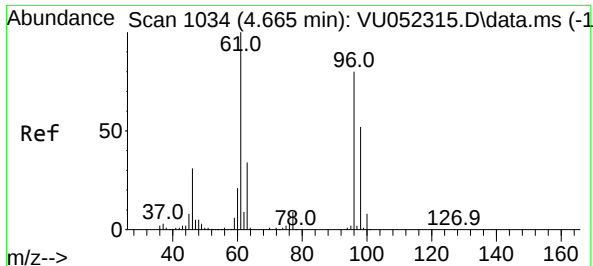
Tgt Ion: 43 Resp: 282630

Ion Ratio Lower Upper

43 100

72 28.4 15.6 46.8



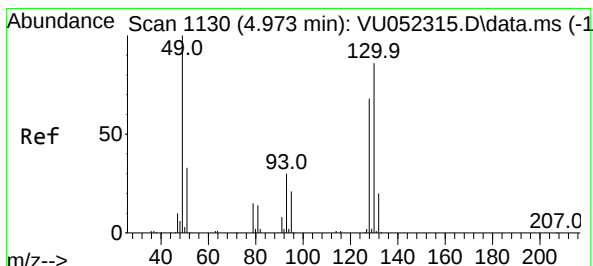
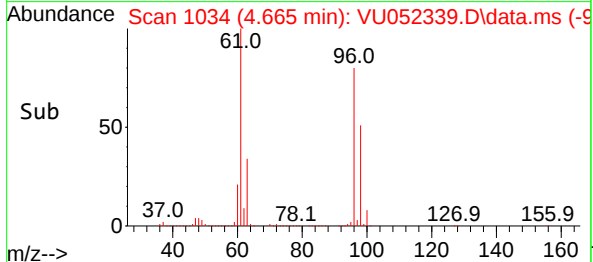
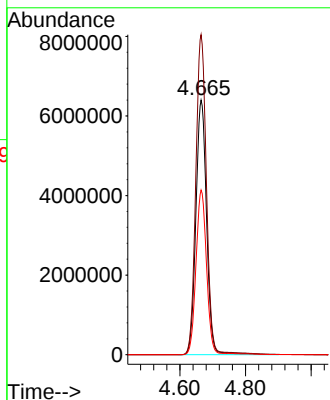
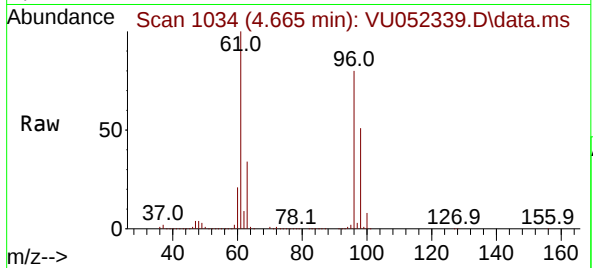


#22
 cis-1,2-Dichloroethene
 Concen: 655.013 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ94MSD

Tgt Ion: 96 Resp:14540501

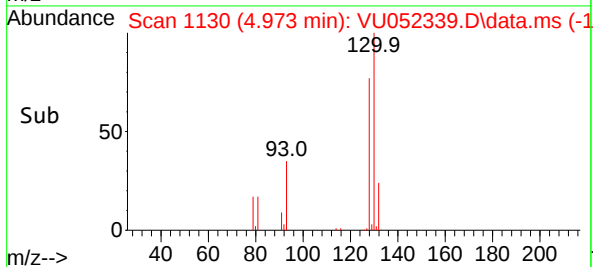
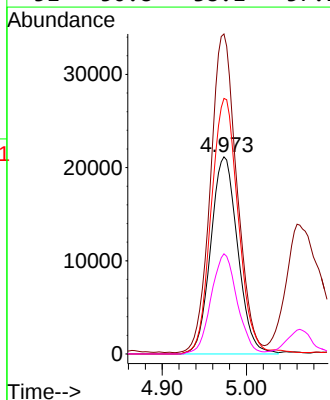
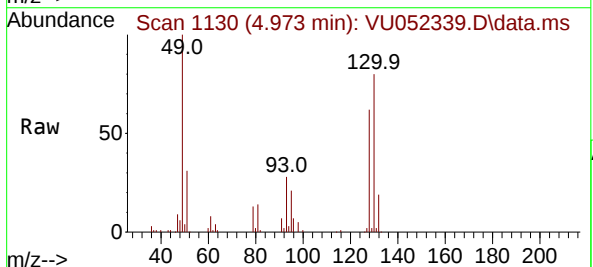
Ion	Ratio	Lower	Upper
96	100		
61	125.7	85.1	158.1
98	64.6	42.8	79.6

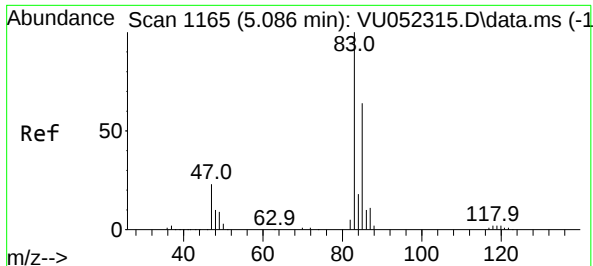


#23
 Bromochloromethane
 Concen: 4.425 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

Tgt Ion:128 Resp: 46997

Ion	Ratio	Lower	Upper
128	100		
49	162.3	104.0	193.2
130	129.6	84.6	157.2
51	50.8	38.1	57.1





#25

Chloroform

Concen: 4.465 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

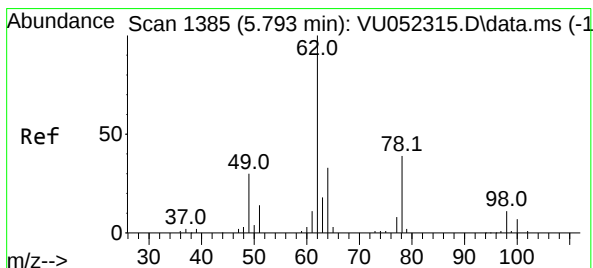
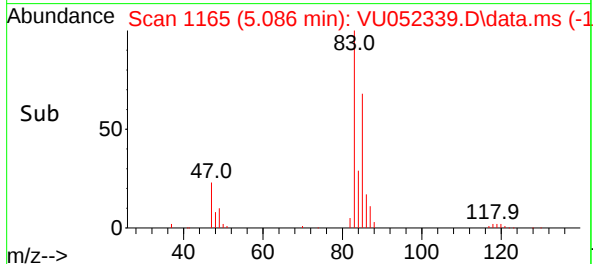
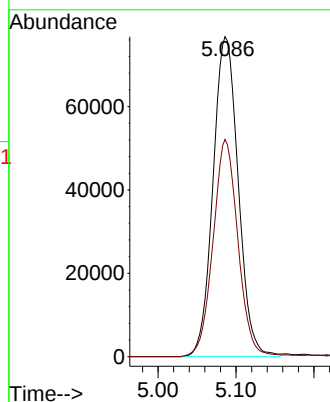
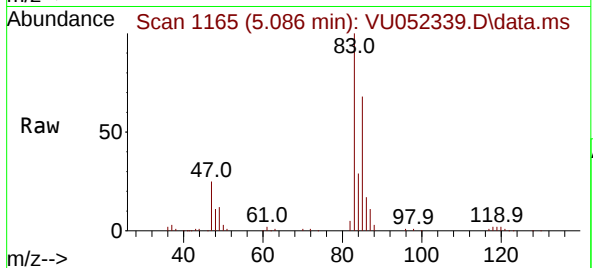
EXZ94MSD

Tgt Ion: 83 Resp: 172487

Ion Ratio Lower Upper

83 100

85 67.9 43.8 81.4



#27

1,2-Dichloroethane

Concen: 6.017 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052339.D

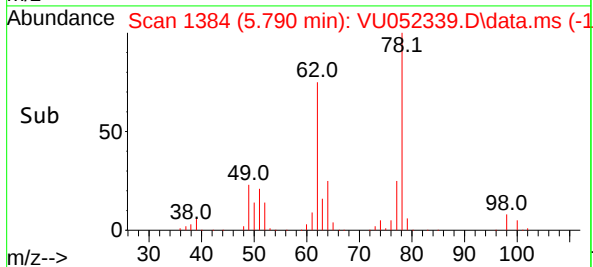
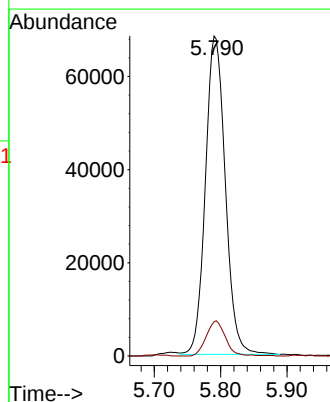
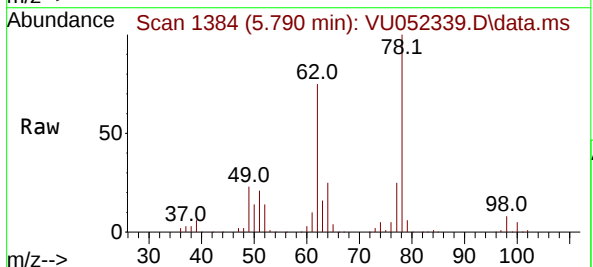
Acq: 10 Dec 2022 06:20

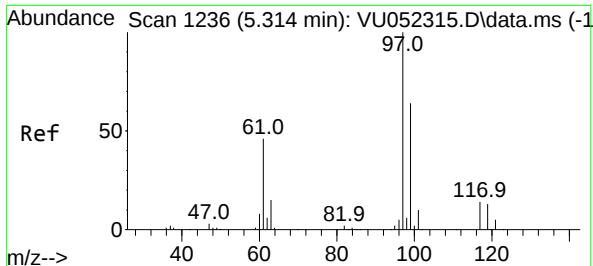
Tgt Ion: 62 Resp: 142358

Ion Ratio Lower Upper

62 100

98 10.7 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 111.837 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

EXZ94MSD

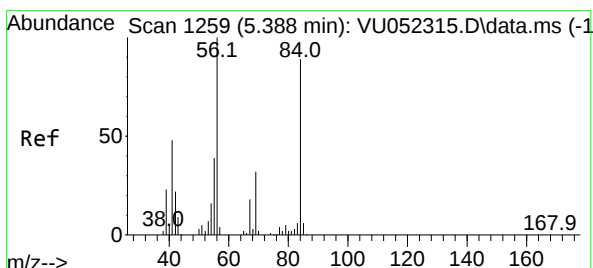
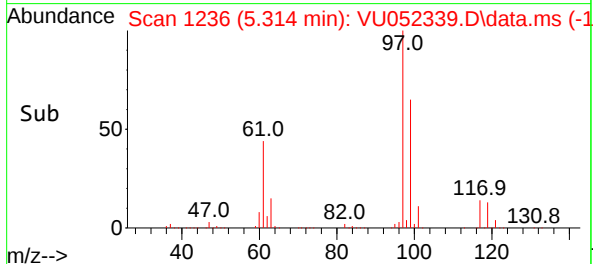
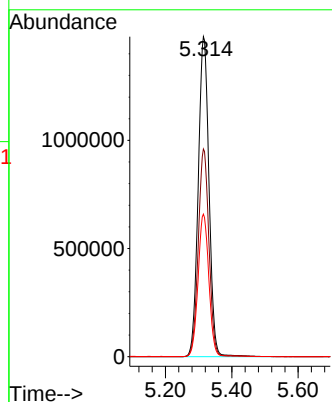
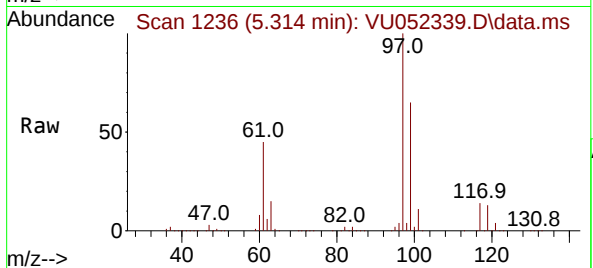
Tgt Ion: 97 Resp: 3328050

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

61 44.4 36.9 55.3



#30

Cyclohexane

Concen: 4.804 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

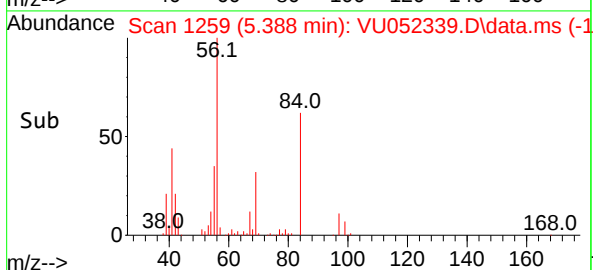
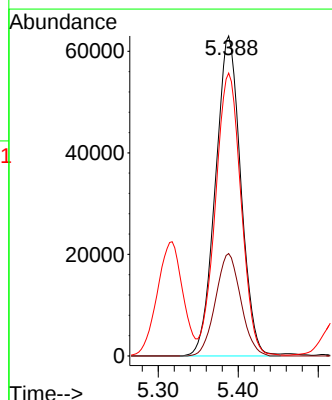
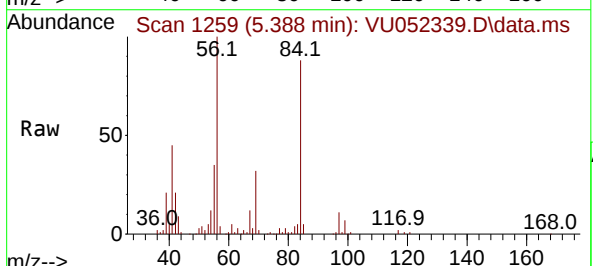
Tgt Ion: 56 Resp: 138801

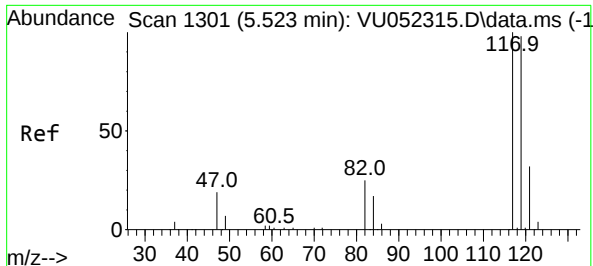
Ion Ratio Lower Upper

56 100

69 31.9 25.6 38.4

84 88.8 72.0 108.0

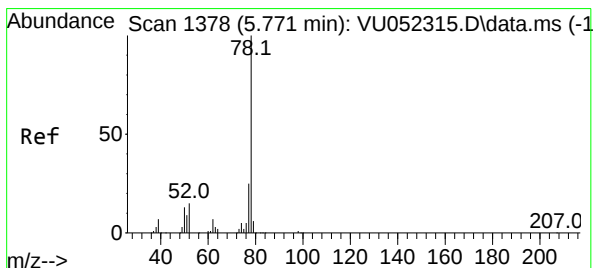
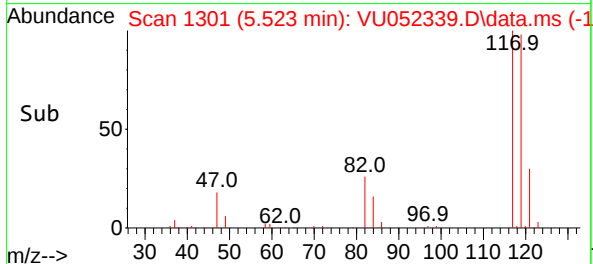
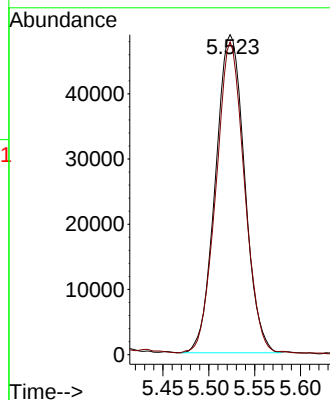
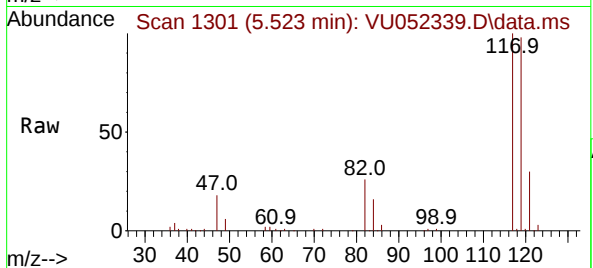




#31
Carbon tetrachloride
Concen: 4.255 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

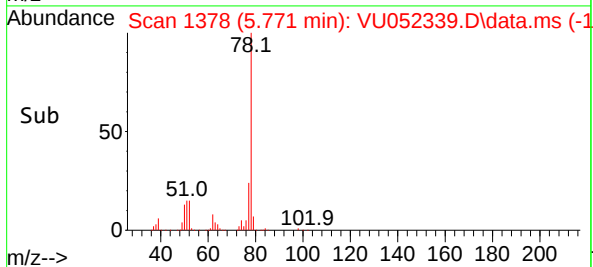
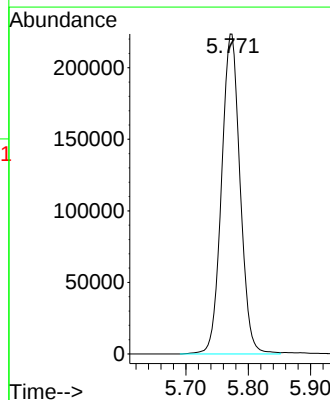
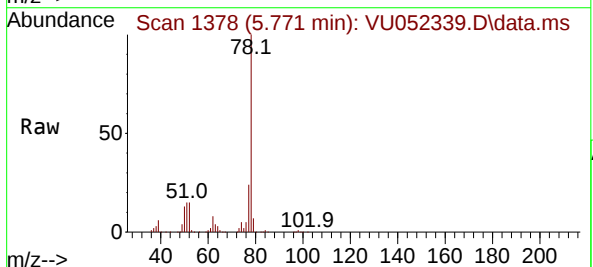
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

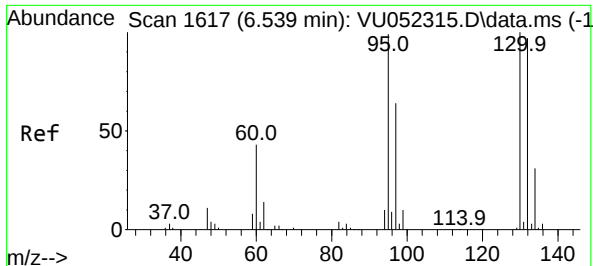
Tgt Ion:117 Resp: 107591
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8



#33
Benzene
Concen: 5.290 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion: 78 Resp: 461726

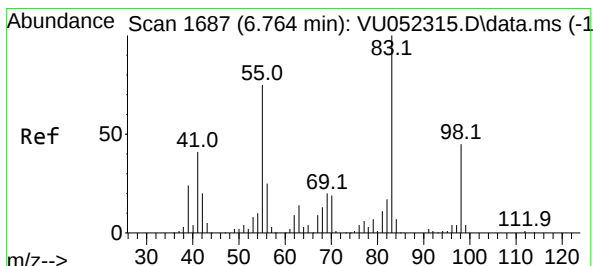
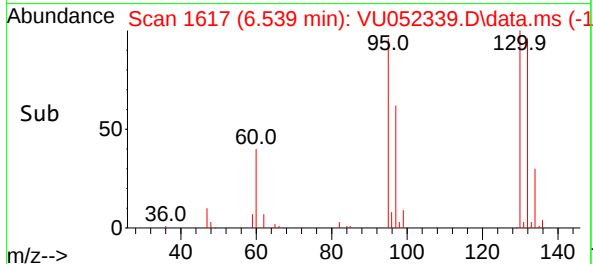
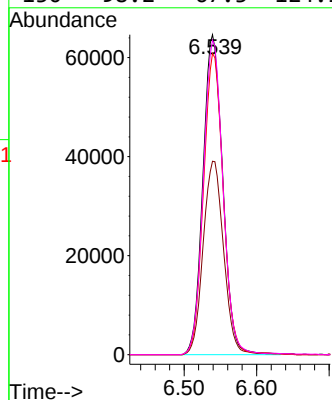
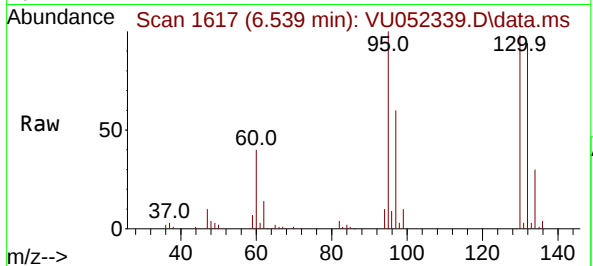




#34
Trichloroethene
Concen: 5.638 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

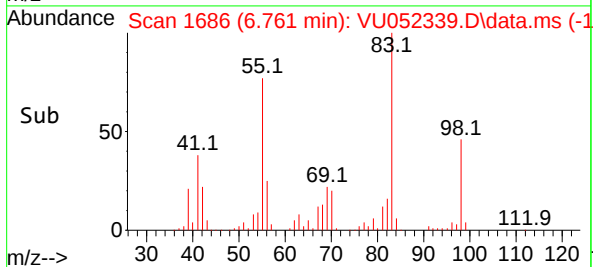
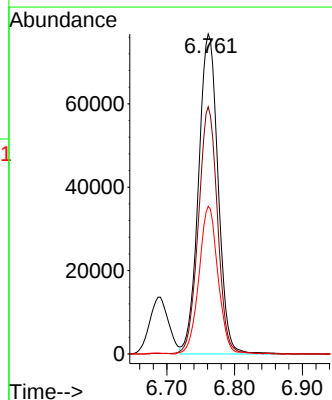
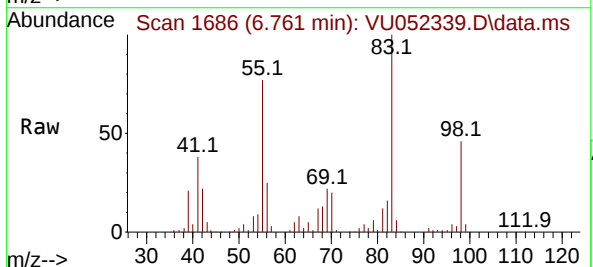
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

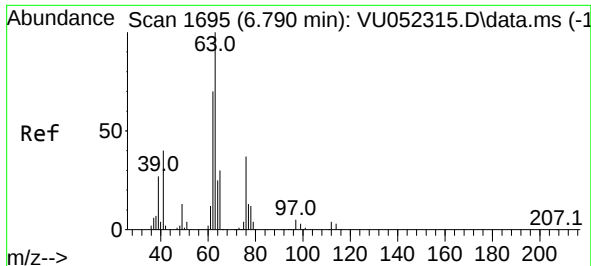
Tgt Ion: 95 Resp: 122754
Ion Ratio Lower Upper
95 100
97 60.5 43.7 81.1
132 94.1 64.3 119.3
130 98.2 67.3 124.9



#35
Methylcyclohexane
Concen: 4.907 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion: 83 Resp: 153685
Ion Ratio Lower Upper
83 100
55 74.9 60.8 91.2
98 44.9 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.695 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

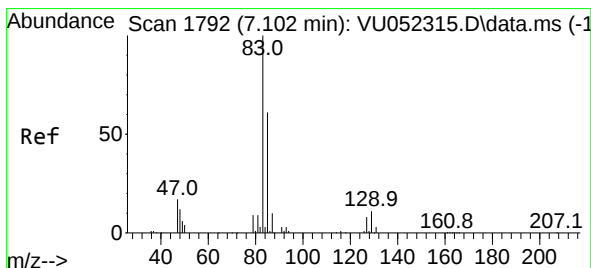
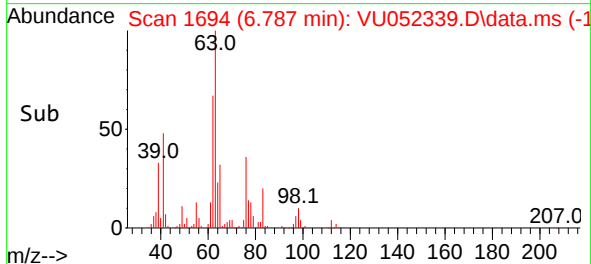
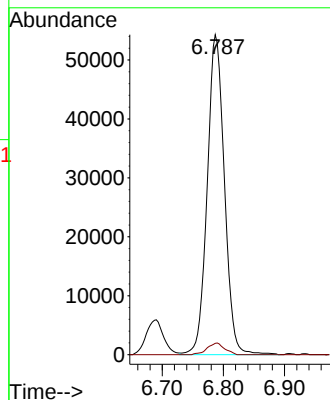
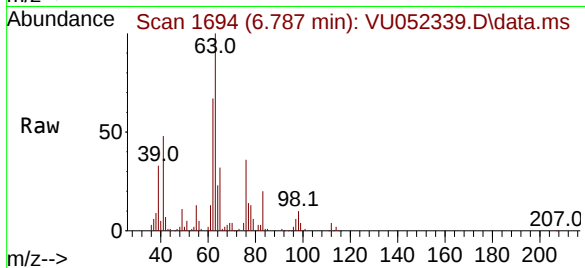
EXZ94MSD

Tgt Ion: 63 Resp: 106120

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 4.517 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

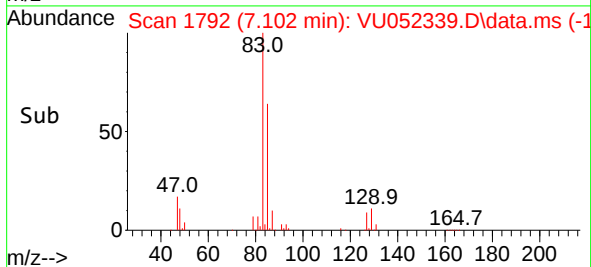
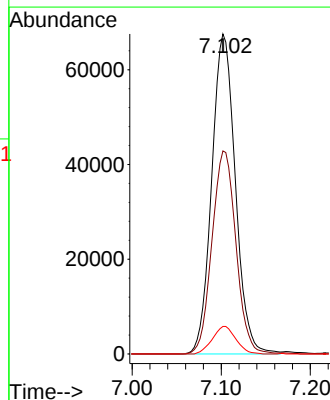
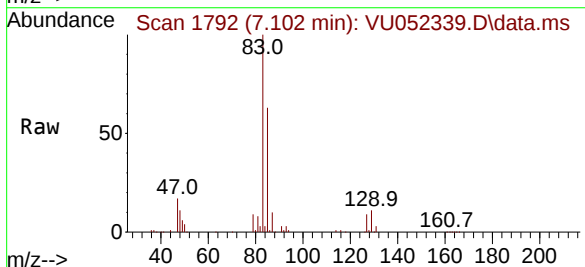
Tgt Ion: 83 Resp: 124473

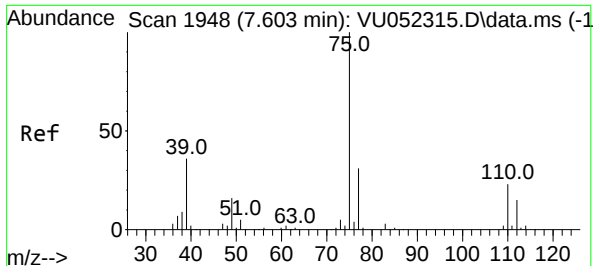
Ion Ratio Lower Upper

83 100

85 63.5 43.5 80.9

127 8.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.374 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

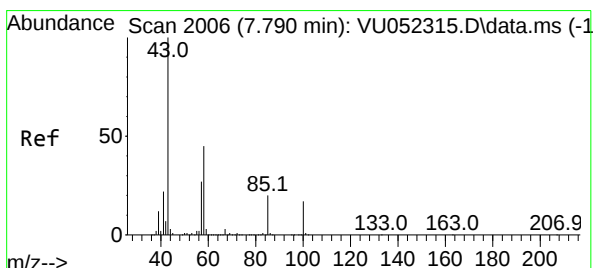
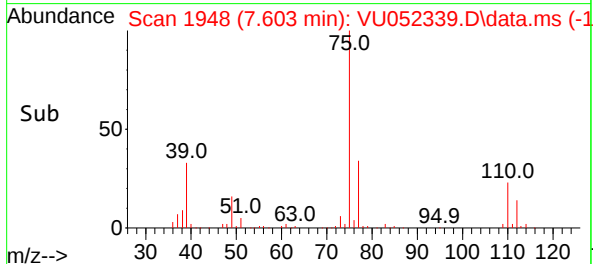
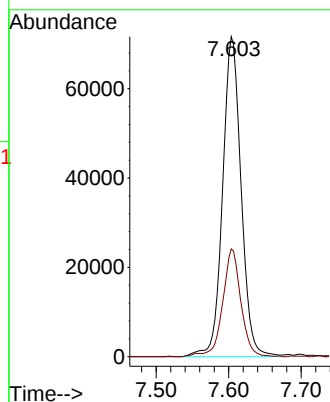
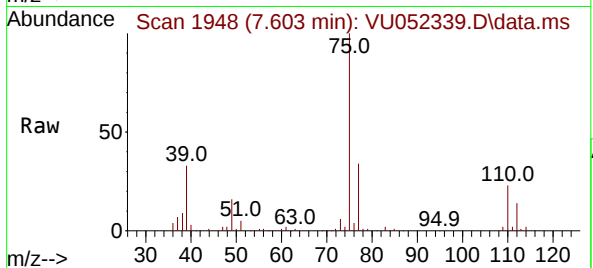
EXZ94MSD

Tgt Ion: 75 Resp: 126926

Ion Ratio Lower Upper

75 100

77 33.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 54.394 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

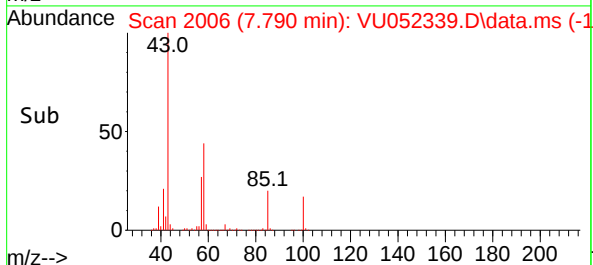
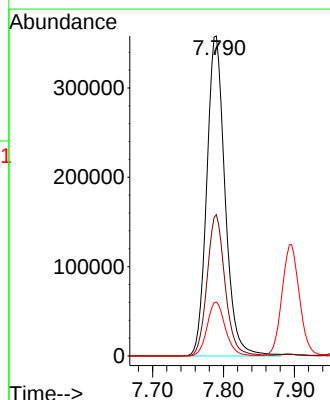
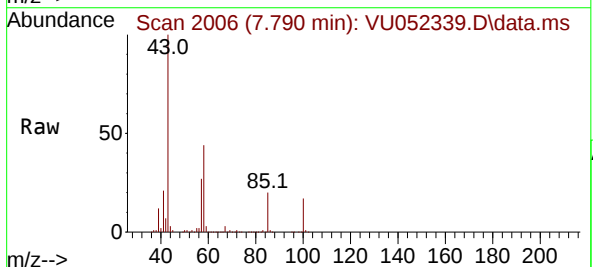
Tgt Ion: 43 Resp: 642162

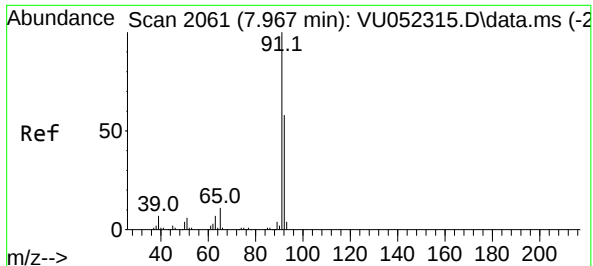
Ion Ratio Lower Upper

43 100

58 43.5 35.3 52.9

100 16.8 13.6 20.4





#42

Toluene

Concen: 12.833 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

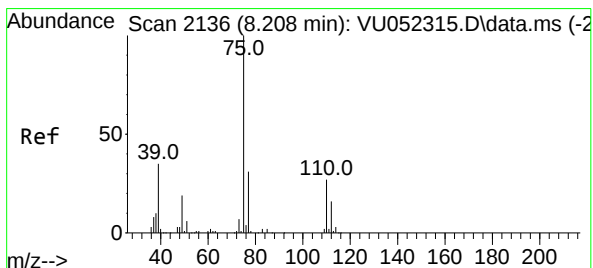
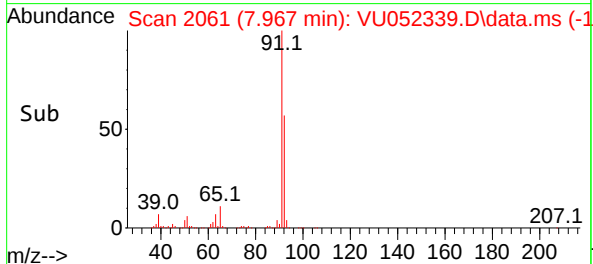
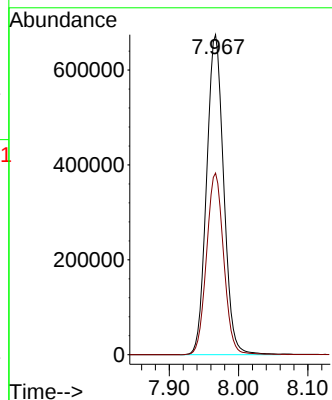
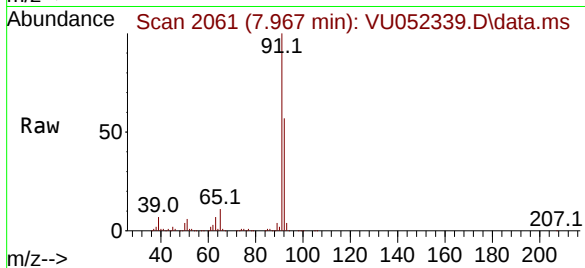
EXZ94MSD

Tgt Ion: 91 Resp: 1152295

Ion Ratio Lower Upper

91 100

92 56.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.557 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052339.D

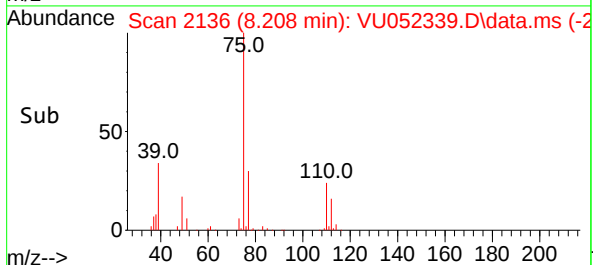
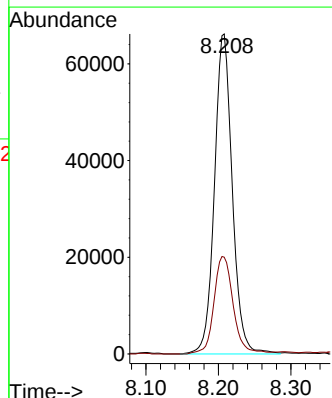
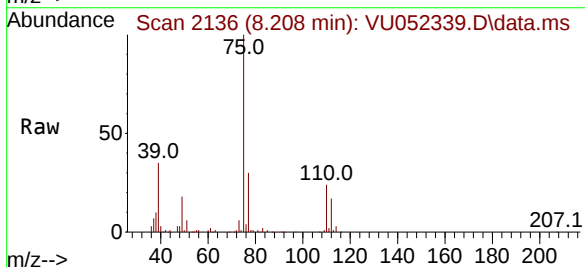
Acq: 10 Dec 2022 06:20

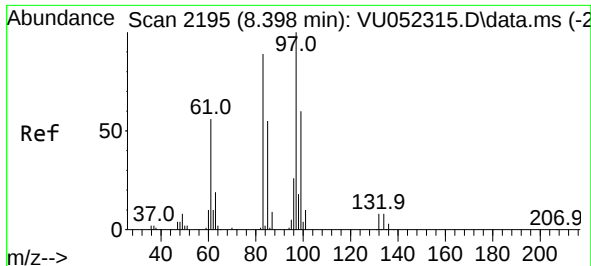
Tgt Ion: 75 Resp: 113244

Ion Ratio Lower Upper

75 100

77 30.2 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.549 ug/L

RT: 8.394 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

EXZ94MSD

Tgt Ion: 97 Resp: 94239

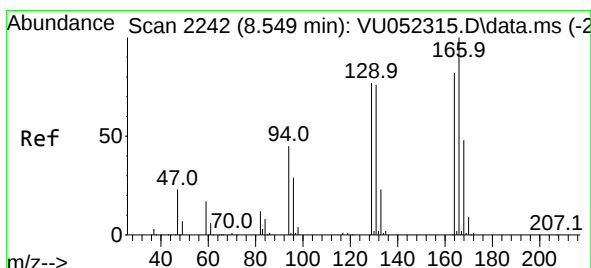
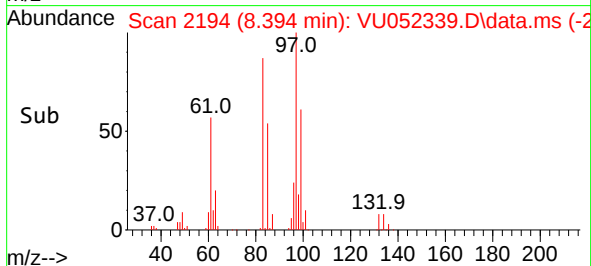
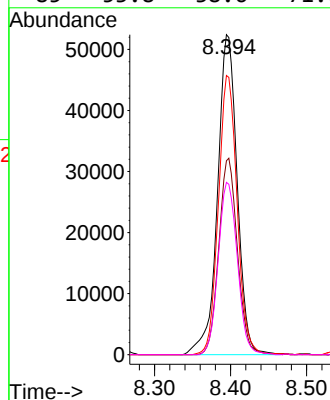
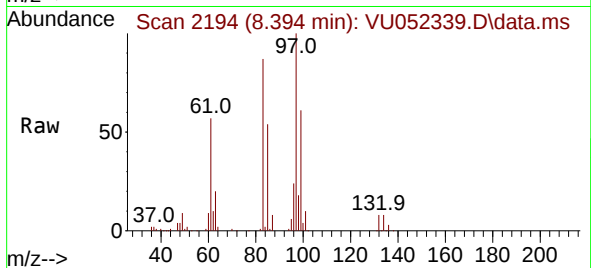
Ion Ratio Lower Upper

97 100

99 60.6 42.6 79.2

83 87.3 60.7 112.7

85 53.8 38.6 71.6



#47

Tetrachloroethene

Concen: 4.886 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Tgt Ion: 164 Resp: 81522

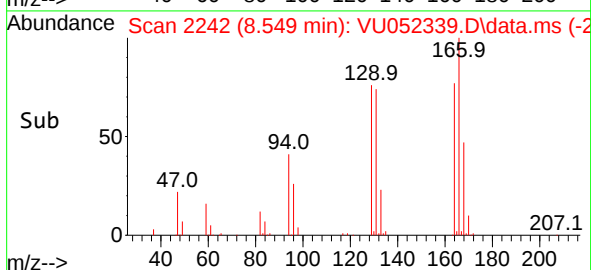
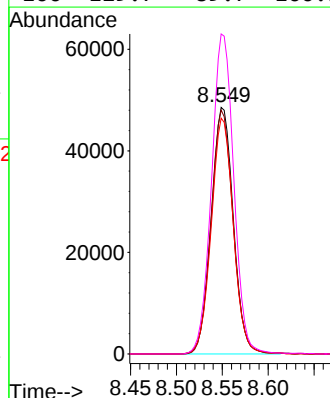
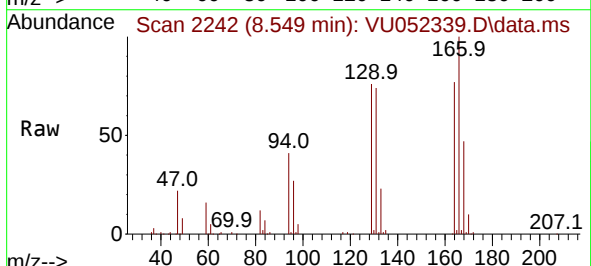
Ion Ratio Lower Upper

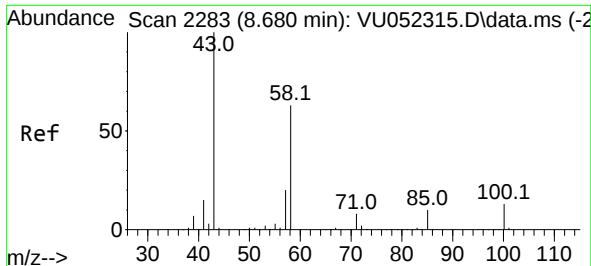
164 100

129 98.8 67.4 125.2

131 95.6 67.1 124.7

166 129.7 89.7 166.5



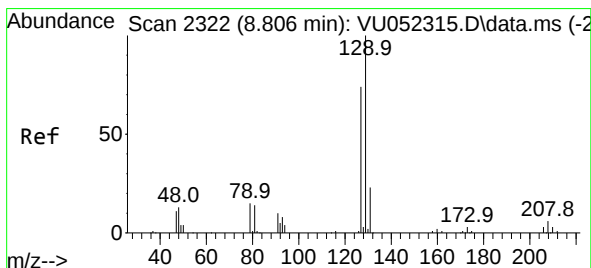
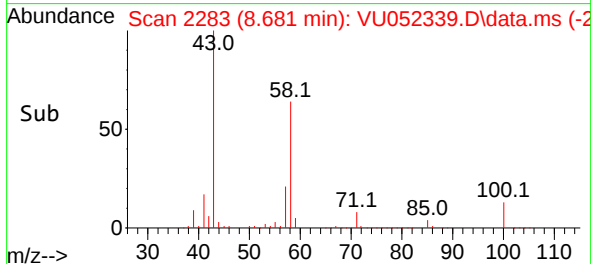
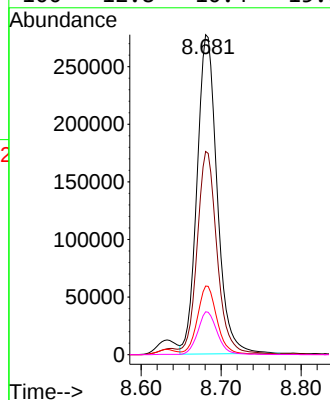
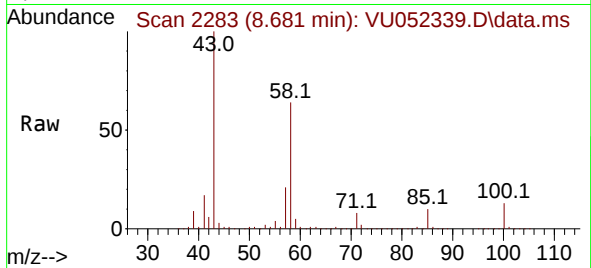


#48
2-Hexanone
Concen: 56.105 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

Tgt Ion: 43 Resp: 485579

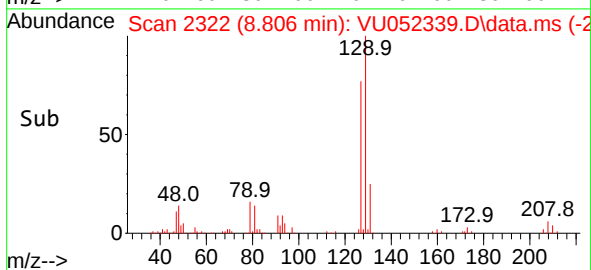
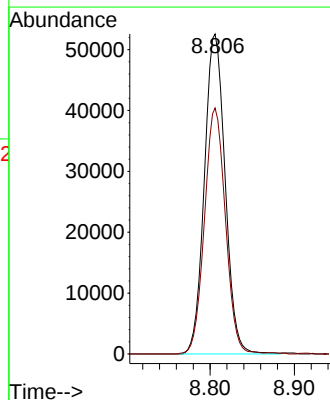
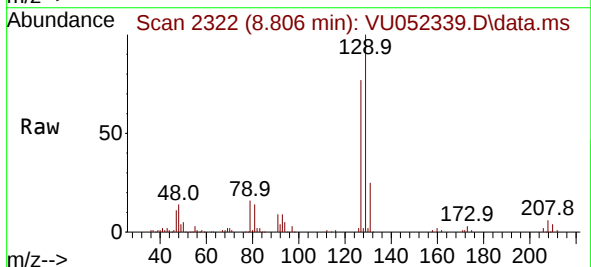
Ion	Ratio	Lower	Upper
43	100		
58	63.0	49.4	74.0
57	21.1	16.3	24.5
100	12.8	10.4	15.6

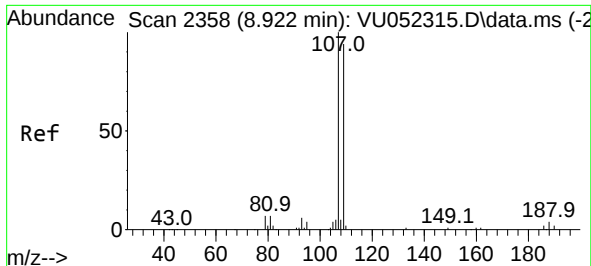


#49
Dibromochloromethane
Concen: 4.741 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion: 129 Resp: 90175

Ion	Ratio	Lower	Upper
129	100		
127	76.9	52.8	98.2

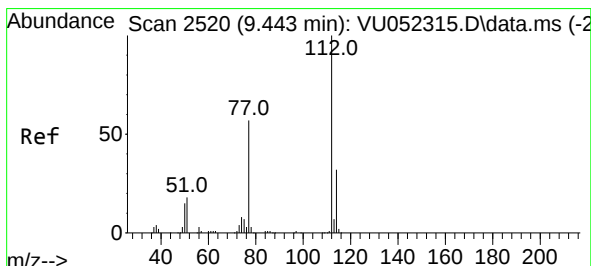
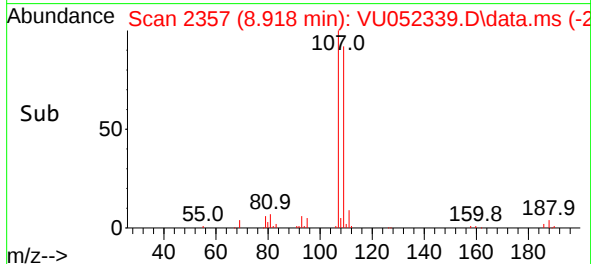
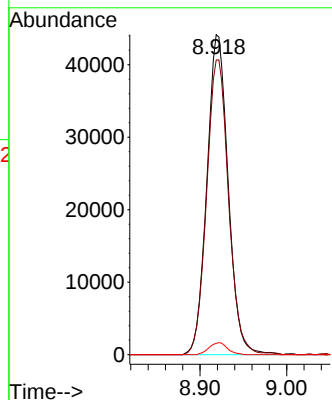
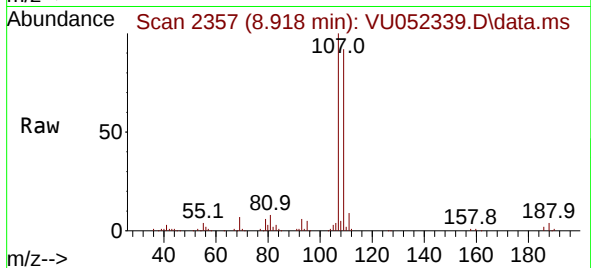




#50
1,2-Dibromoethane
Concen: 4.879 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

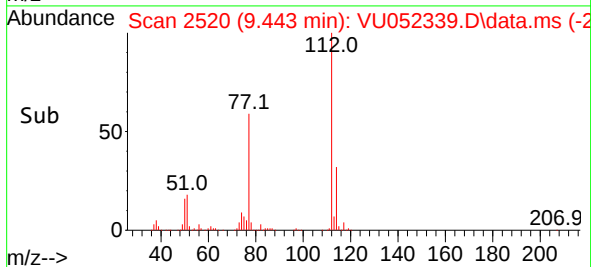
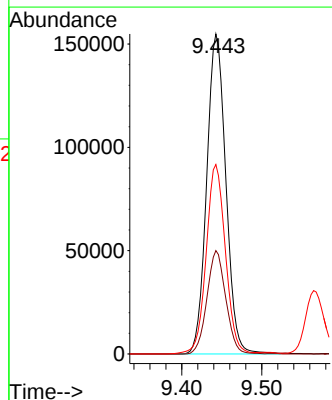
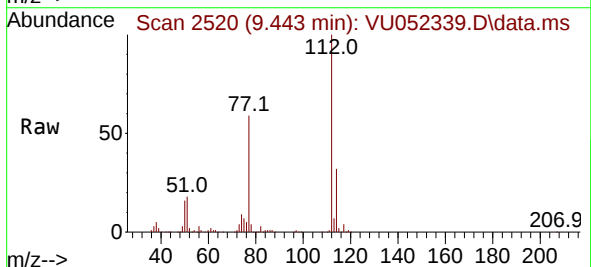
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

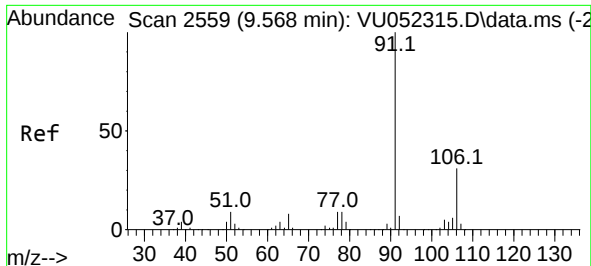
Tgt Ion:107 Resp: 75474
Ion Ratio Lower Upper
107 100
109 92.1 64.9 120.5
188 3.6 2.6 4.0



#51
Chlorobenzene
Concen: 4.514 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion:112 Resp: 258405
Ion Ratio Lower Upper
112 100
114 32.3 22.2 41.2
77 59.2 46.6 70.0

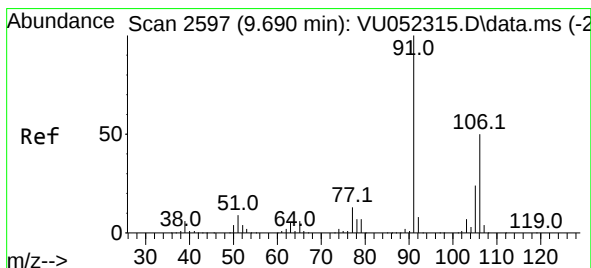
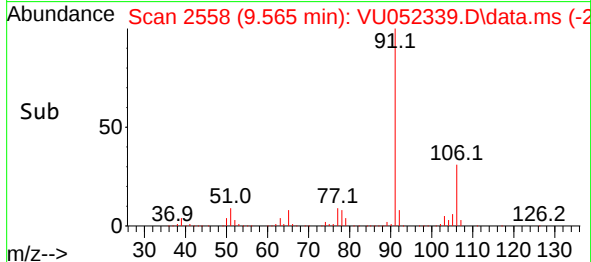
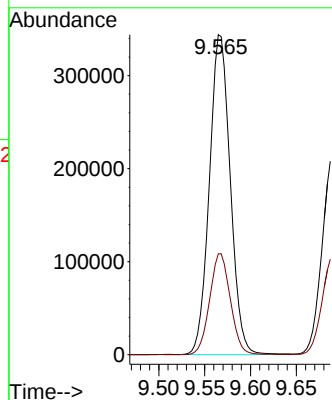
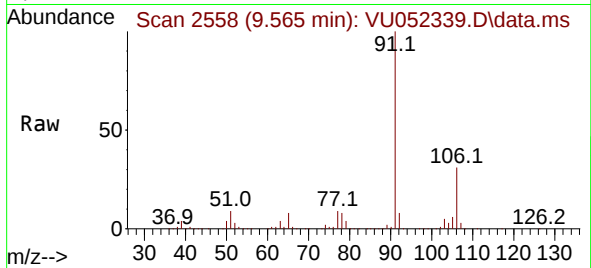




#52
Ethylbenzene
Concen: 6.233 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

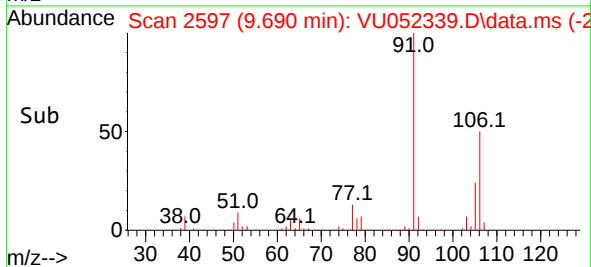
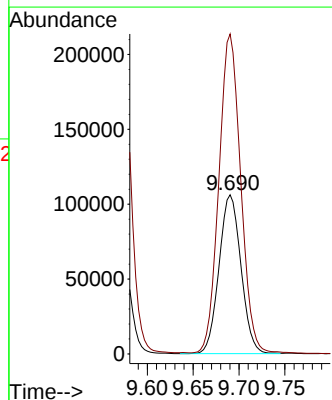
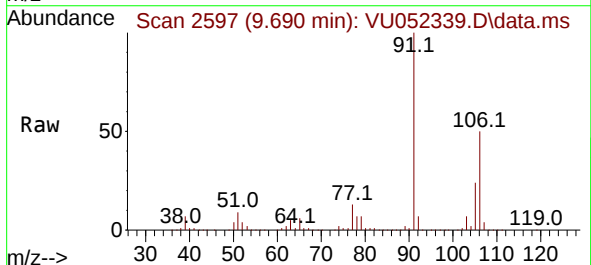
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

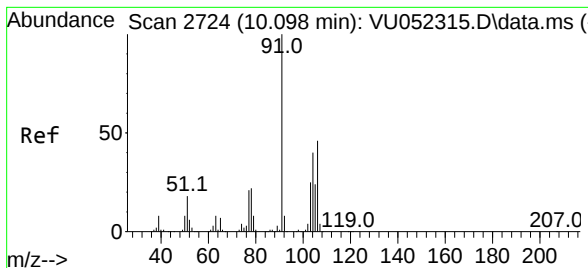
Tgt Ion: 91 Resp: 544096
Ion Ratio Lower Upper
91 100
106 31.5 22.3 41.3



#53
m,p-Xylene
Concen: 5.217 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion: 106 Resp: 176342
Ion Ratio Lower Upper
106 100
91 201.0 137.7 255.7





#54

o-Xylene

Concen: 5.970 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.003 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

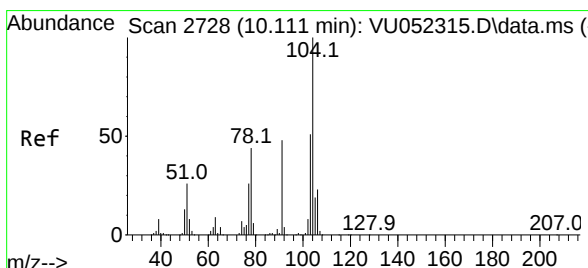
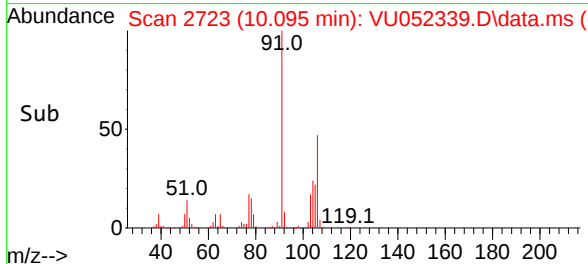
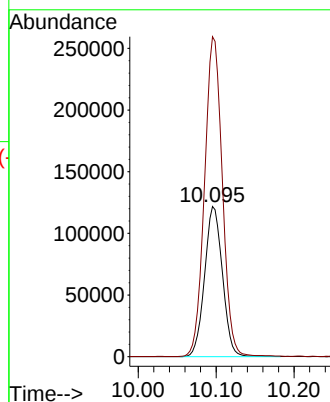
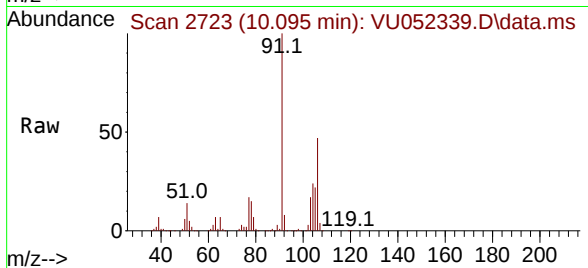
EXZ94MSD

Tgt Ion:106 Resp: 193409

Ion Ratio Lower Upper

106 100

91 213.1 151.5 281.5



#55

Styrene

Concen: 5.011 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052339.D

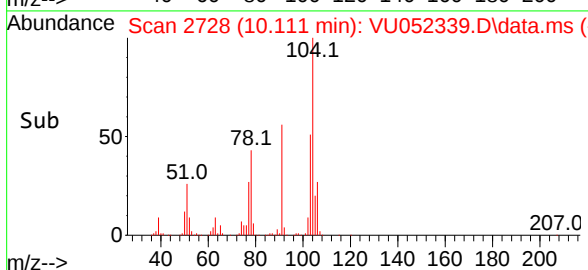
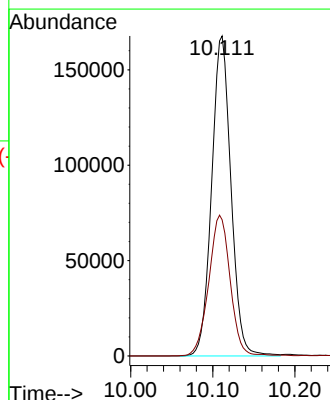
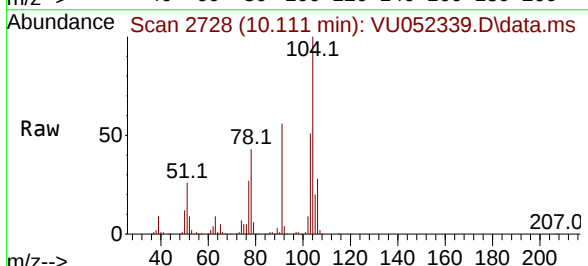
Acq: 10 Dec 2022 06:20

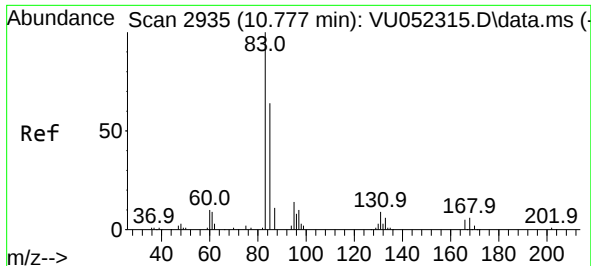
Tgt Ion:104 Resp: 274210

Ion Ratio Lower Upper

104 100

78 42.6 30.6 56.8

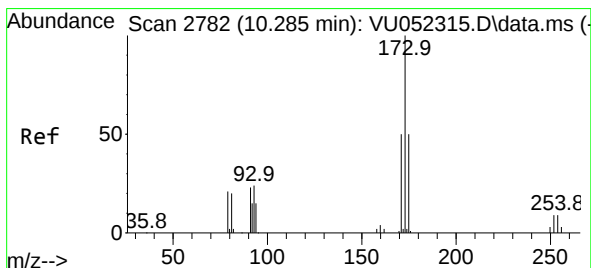
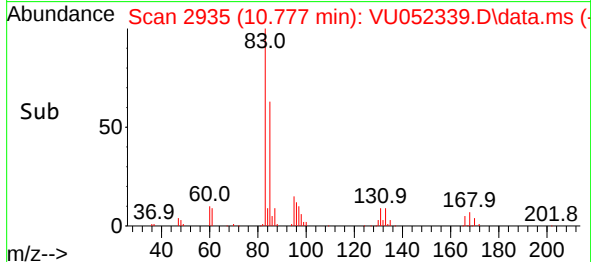
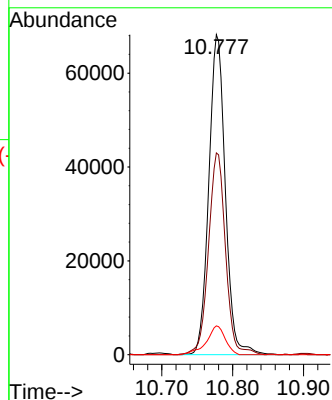
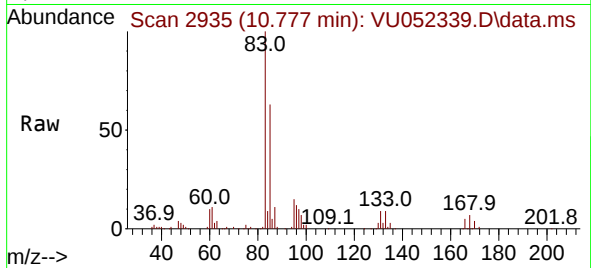




#57
1,1,2,2-Tetrachloroethane
Concen: 5.197 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.003 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

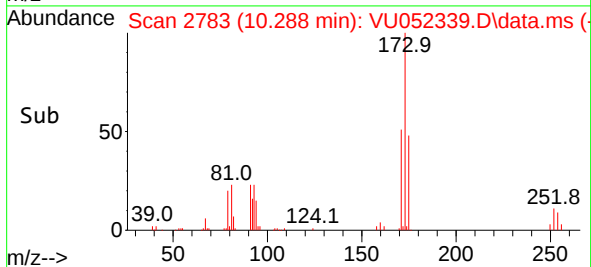
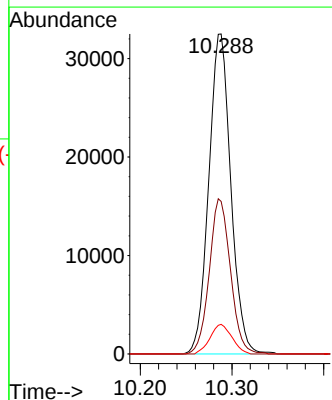
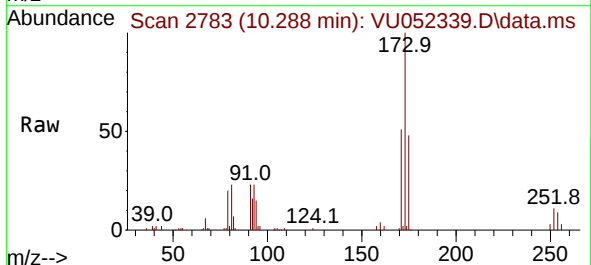
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

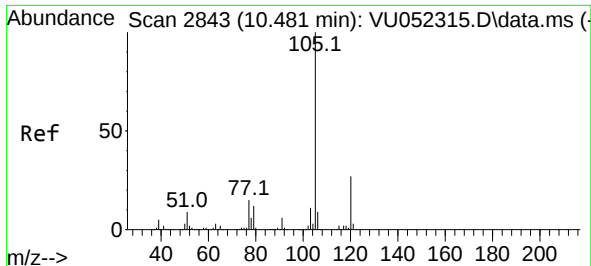
Tgt Ion: 83 Resp: 110236
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9
131 9.0 7.6 11.4



#59
Bromoform
Concen: 4.510 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion:173 Resp: 54243
Ion Ratio Lower Upper
173 100
175 46.5 37.2 55.8
254 9.1 7.0 10.6

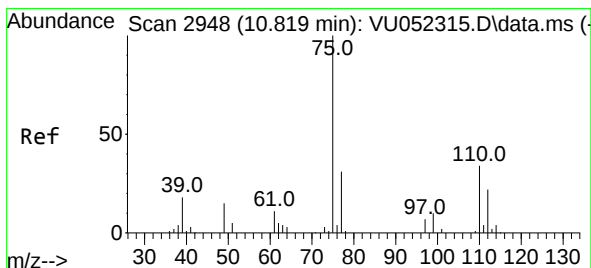
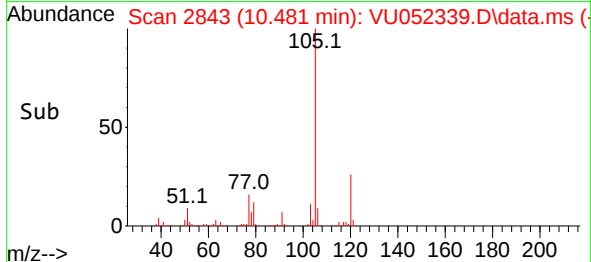
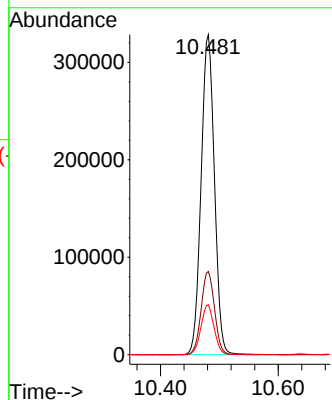
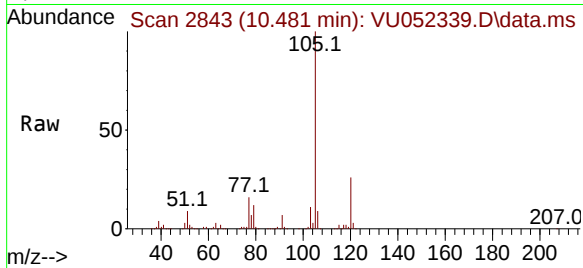




#60
Isopropylbenzene
Concen: 5.618 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

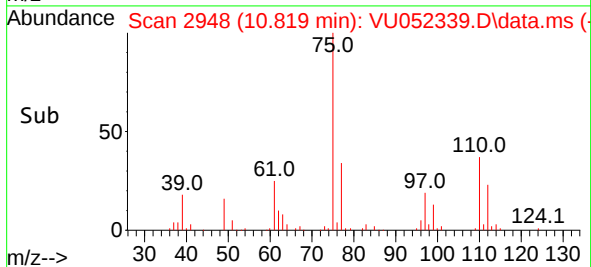
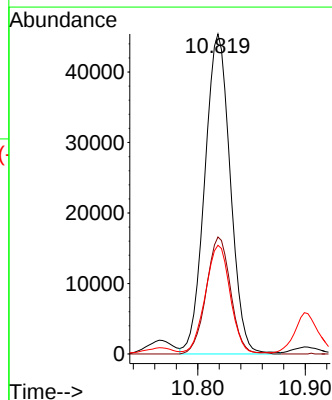
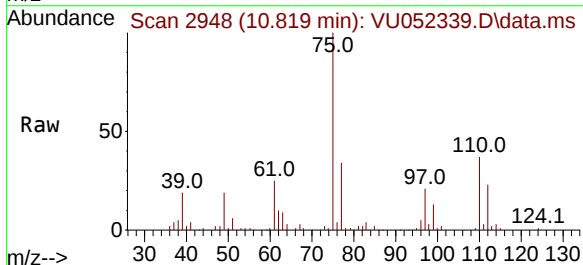
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

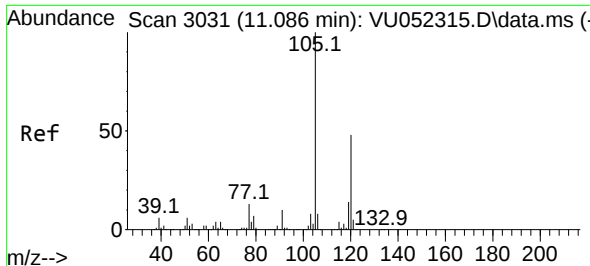
Tgt Ion:105 Resp: 515364
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.483 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion: 75 Resp: 74931
Ion Ratio Lower Upper
75 100
110 34.9 28.3 42.5
77 32.3 26.2 39.2

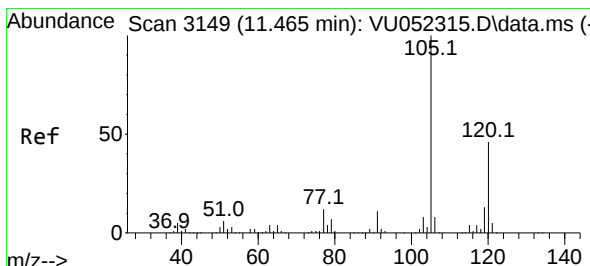
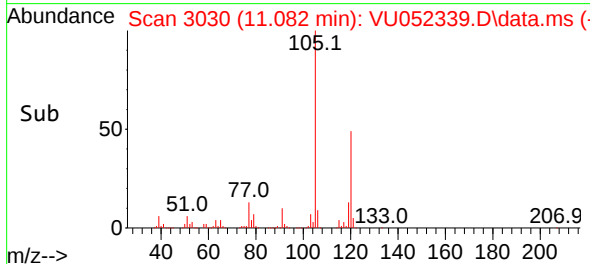
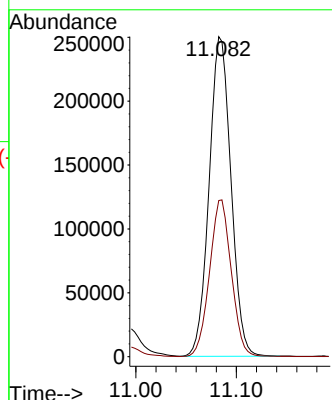
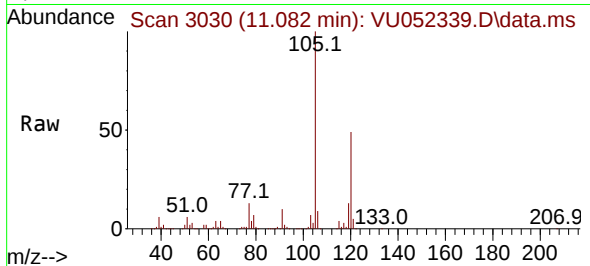




#62
 1,3,5-Trimethylbenzene
 Concen: 5.151 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. -0.003 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

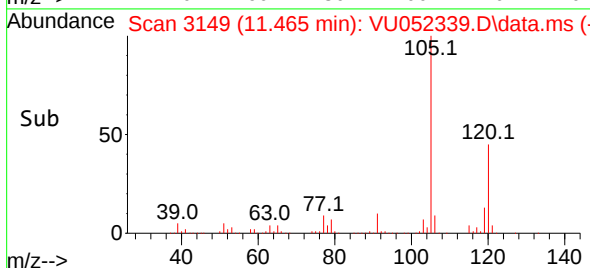
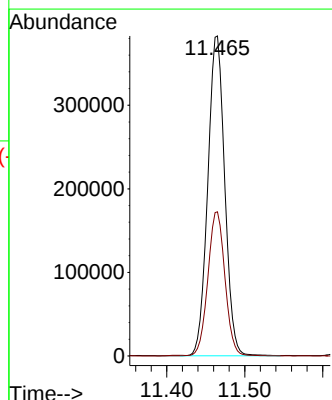
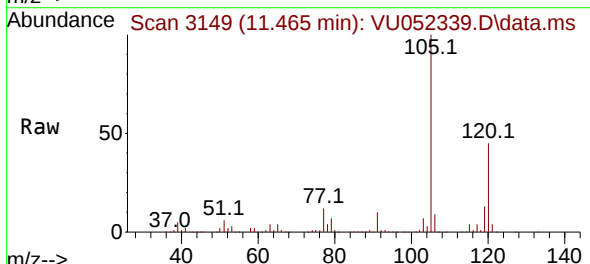
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ94MSD

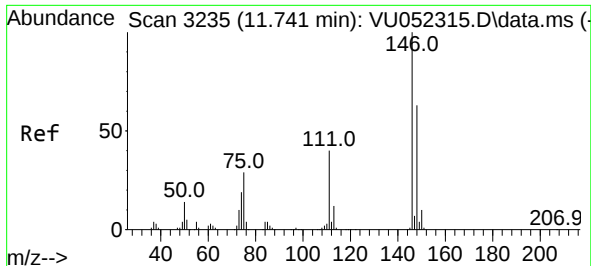
Tgt Ion:105 Resp: 377701
 Ion Ratio Lower Upper
 105 100
 120 48.8 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 7.950 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

Tgt Ion:105 Resp: 578677
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.6 55.0

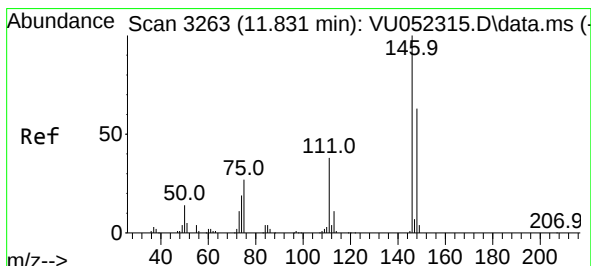
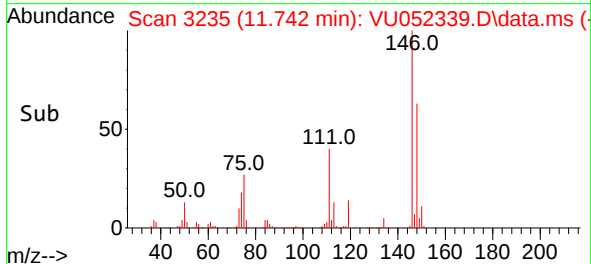
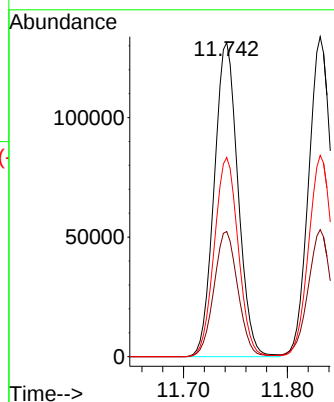
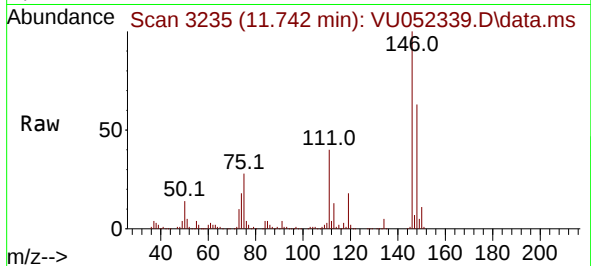




#64
1,3-Dichlorobenzene
Concen: 4.474 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

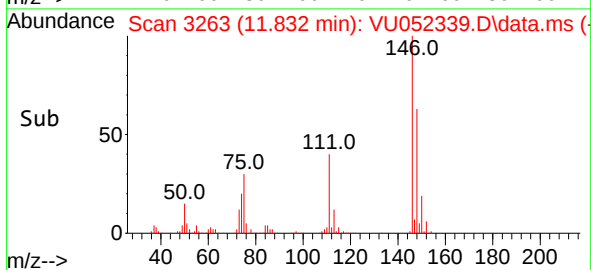
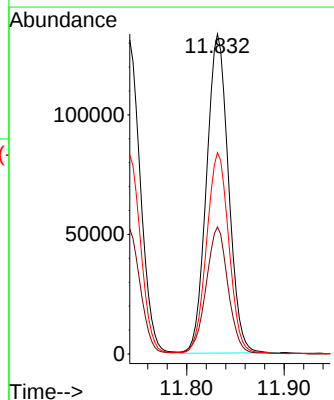
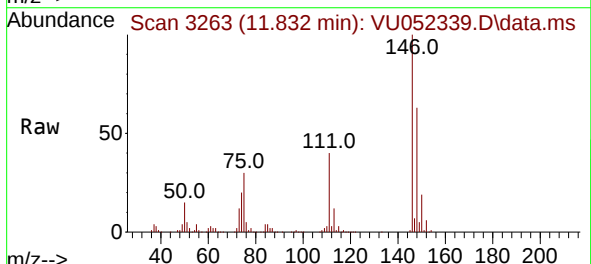
Instrument :
MSVOA_U
ClientSampleId :
EXZ94MSD

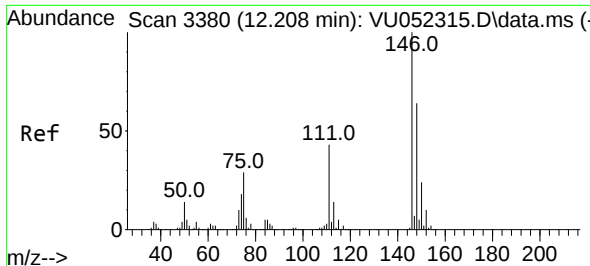
Tgt Ion:146 Resp: 209556
Ion Ratio Lower Upper
146 100
111 39.9 28.6 53.2
148 63.4 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 4.469 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052339.D
Acq: 10 Dec 2022 06:20

Tgt Ion:146 Resp: 208772
Ion Ratio Lower Upper
146 100
111 39.7 26.9 50.1
148 62.9 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.356 ug/L

RT: 12.208 min Scan# 311

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

EXZ94MSD

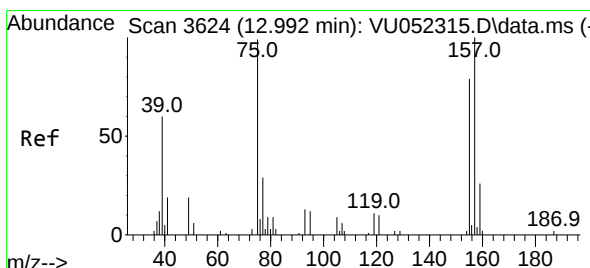
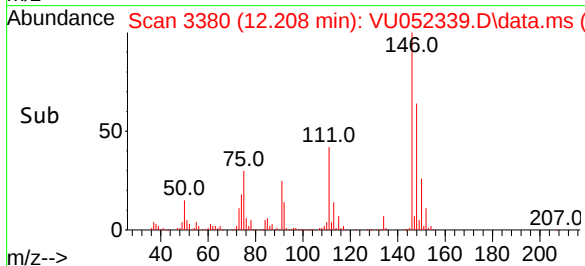
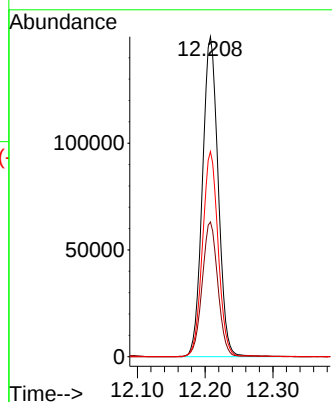
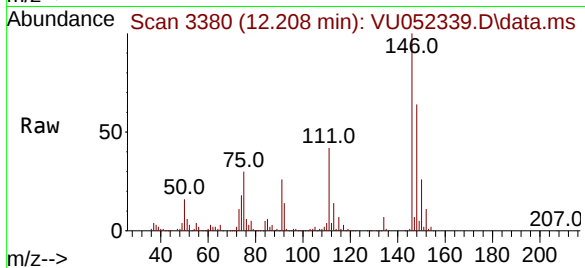
Tgt Ion:146 Resp: 241597

Ion Ratio Lower Upper

146 100

111 42.1 32.7 49.1

148 64.1 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.785 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

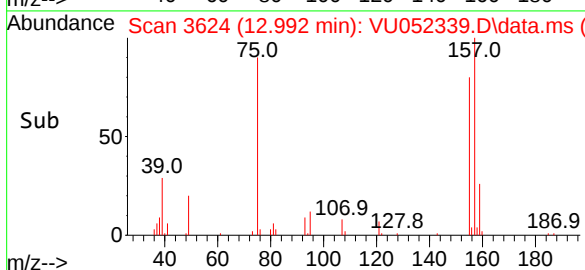
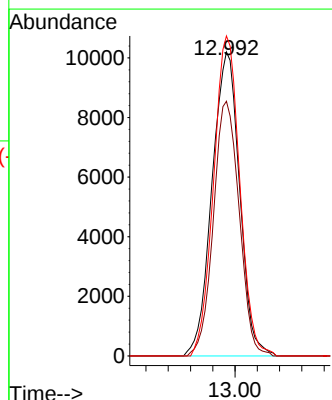
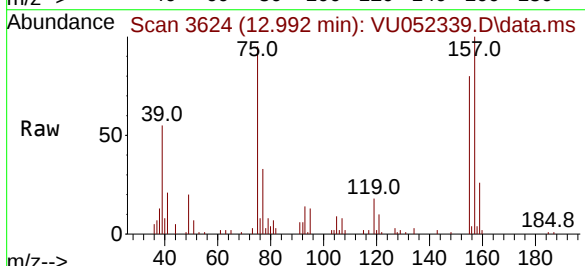
Tgt Ion: 75 Resp: 17500

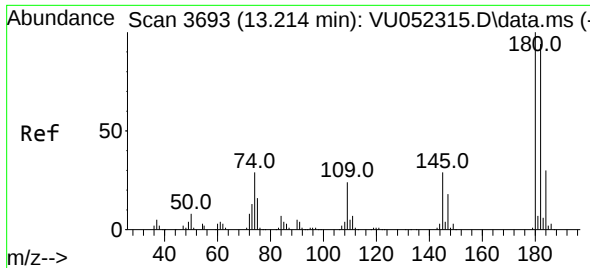
Ion Ratio Lower Upper

75 100

155 83.8 65.4 98.2

157 105.3 80.5 120.7



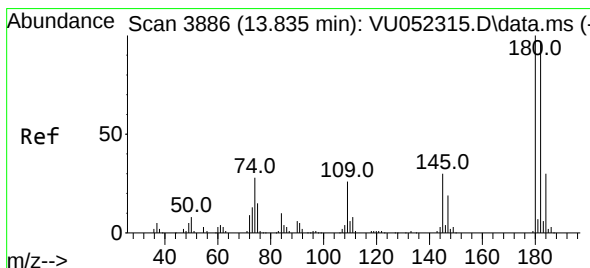
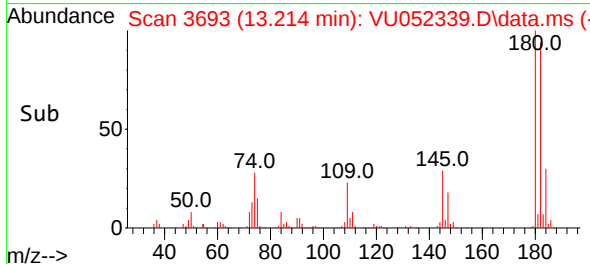
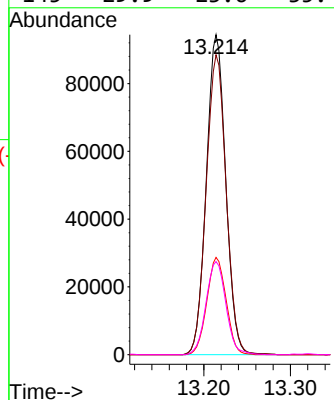
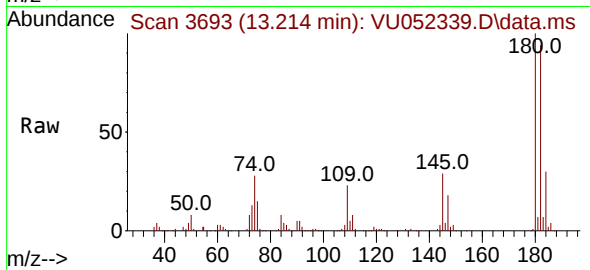


#69
 1,3,5-Trichlorobenzene
 Concen: 4.424 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ94MSD

Tgt Ion:180 Resp: 146940

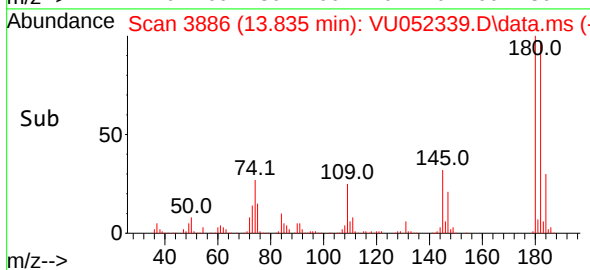
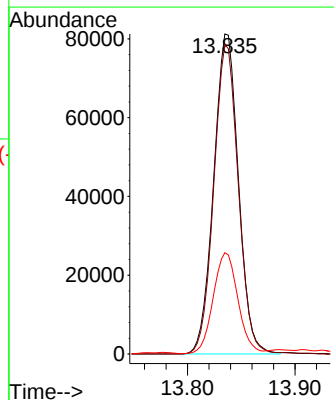
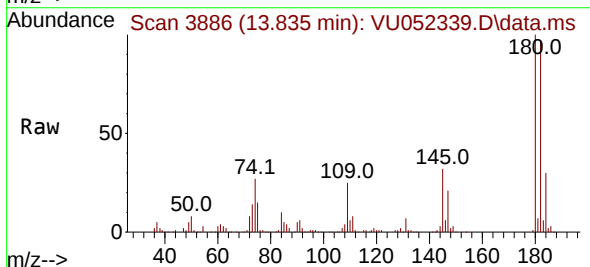
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.7	113.5
184	30.2	24.3	36.5
145	29.9	23.6	35.4

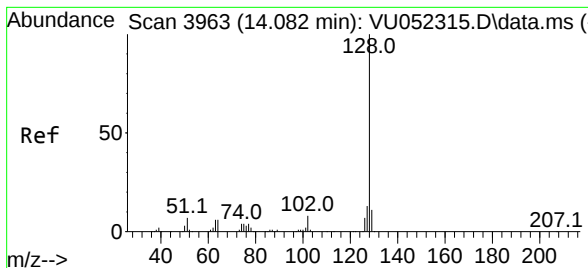


#70
 1,2,4-trichlorobenzene
 Concen: 5.129 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.003 min
 Lab File: VU052339.D
 Acq: 10 Dec 2022 06:20

Tgt Ion:180 Resp: 129721

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.3	114.5
145	31.4	24.6	36.8





#71

Naphthalene

Concen: 8.228 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Instrument :

MSVOA_U

ClientSampleId :

EXZ94MSD

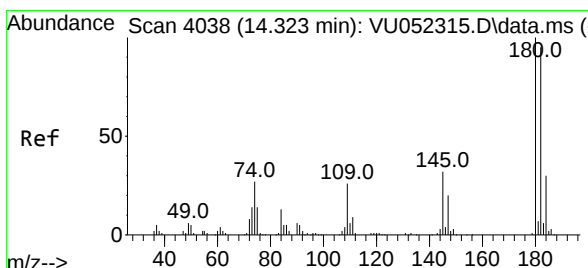
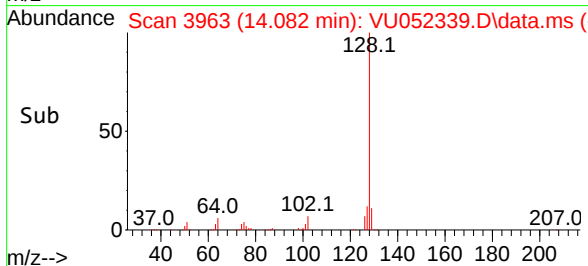
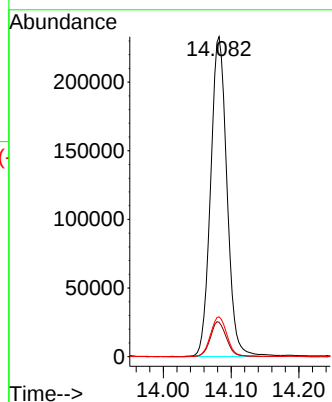
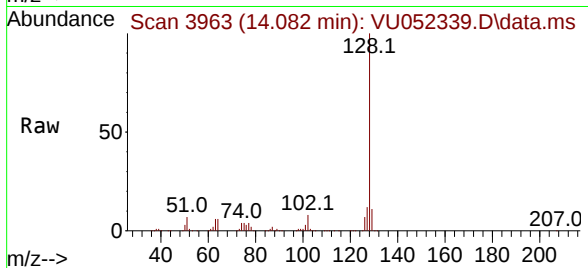
Tgt Ion:128 Resp: 390709

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

127 12.7 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.995 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU052339.D

Acq: 10 Dec 2022 06:20

Tgt Ion:180 Resp: 124295

Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

145 32.4 24.5 36.7

