

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042722\
 Data File : U048327.D
 Acq On : 27 Apr 2022 20:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Quant Time: Apr 28 04:42:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 28 04:33:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	437719	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	446976	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	265267	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	180738	44.902	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.800%
7) Chloroethane-d5	1.890	69	139553	49.392	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.780%
11) 1,1-Dichloroethene-d2	2.565	63	297252	46.090	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.180%
21) 2-Butanone-d5	4.620	46	317941	92.611	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.610%
24) Chloroform-d	5.063	84	337612	46.242	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.480%
26) 1,2-Dichloroethane-d4	5.700	65	204923	47.306	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.620%
32) Benzene-d6	5.726	84	706894	50.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.280%
36) 1,2-Dichloropropane-d6	6.690	67	225802	48.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.900%
41) Toluene-d8	7.896	98	676321	52.928	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.860%
43) trans-1,3-Dichloroprop...	8.179	79	106053	51.570	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.140%
47) 2-Hexanone-d5	8.636	63	277903	110.522	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.520%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	399666	48.896	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	301639	50.549	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	137311	41.515	ug/L	100
3) Chloromethane	1.523	50	139555	36.864	ug/L	99
5) Vinyl chloride	1.604	62	162936	42.710	ug/L #	38
6) Bromomethane	1.829	94	34095	19.446	ug/L	96
8) Chloroethane	1.916	64	95647	44.341	ug/L	96
9) Trichlorofluoromethane	2.128	101	225199	45.297	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	141814	43.008	ug/L	100
12) 1,1-Dichloroethene	2.575	96	129556	45.012	ug/L	87
13) Acetone	2.626	43	171542	77.833	ug/L	100
14) Carbon disulfide	2.790	76	306025	43.625	ug/L	100
15) Methyl Acetate	2.945	43	196526	44.920	ug/L	99
16) Methylene chloride	3.044	84	175362	47.258	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	138119	46.193	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	507146	51.406	ug/L	99
19) 1,1-Dichloroethane	3.867	63	284710	45.534	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	175208	48.612	ug/L	95
22) 2-Butanone	4.700	43	295881	90.787	ug/L	97
23) Bromochloromethane	4.973	128	95784	47.601	ug/L	95
25) Chloroform	5.089	83	300189	47.016	ug/L	99

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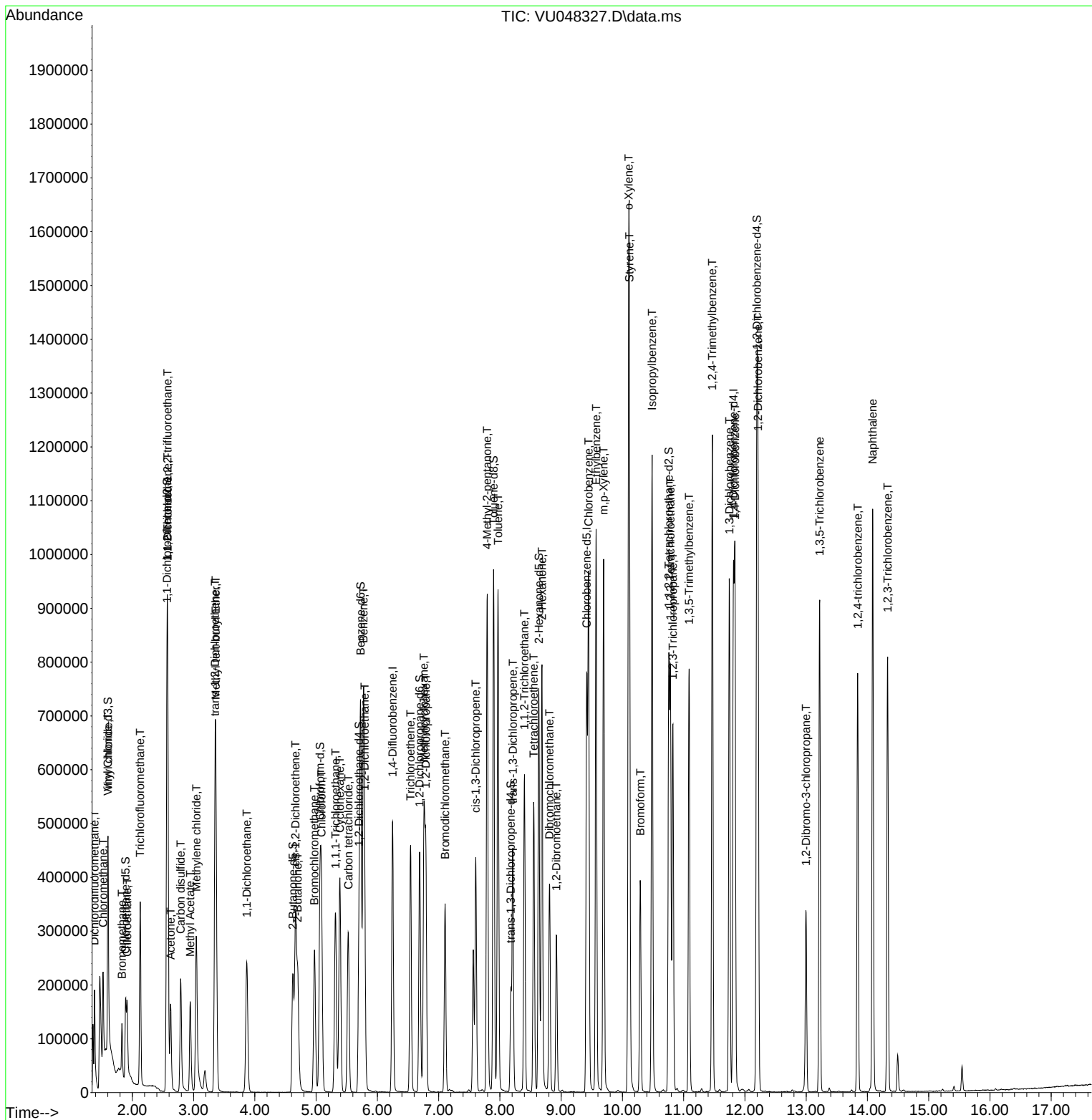
Instrument :
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 ClientSampleId :
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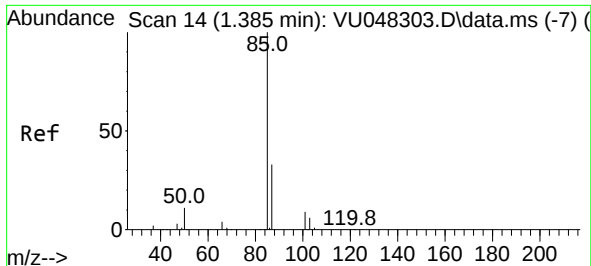
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	219180	47.063	ug/L	99
29) Cyclohexane	5.388	56	203913	48.284	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	248649	49.193	ug/L	99
31) Carbon tetrachloride	5.526	117	209309	48.585	ug/L	100
33) Benzene	5.774	78	659654	49.846	ug/L	100
34) Trichloroethene	6.543	95	156647	48.292	ug/L	99
35) Methylcyclohexane	6.761	83	219786	48.261	ug/L	97
37) 1,2-Dichloropropane	6.790	63	179371	47.639	ug/L	99
38) Bromodichloromethane	7.105	83	230685	48.514	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	264819	50.017	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	590781	104.030	ug/L	99
42) Toluene	7.970	91	696907	50.159	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	255359	49.370	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	190530	48.231	ug/L	98
46) Tetrachloroethene	8.552	164	130001	46.697	ug/L	99
48) 2-Hexanone	8.687	43	490001	103.326	ug/L	99
49) Dibromochloromethane	8.809	129	209758	48.321	ug/L	99
50) 1,2-Dibromoethane	8.922	107	200205	49.976	ug/L	100
51) Chlorobenzene	9.446	112	539389	53.858	ug/L	100
52) Ethylbenzene	9.571	91	744287	51.726	ug/L	100
53) m,p-Xylene	9.694	106	300428	52.908	ug/L	100
54) o-Xylene	10.102	106	308928	54.005	ug/L	100
55) Styrene	10.115	104	527217	54.101	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	385372	49.428	ug/L	100
59) Bromoform	10.292	173	184766	47.994	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	296495	47.912	ug/L	99
61) Isopropylbenzene	10.484	105	793145	53.476	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	430409	55.058	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	677571	56.376	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	411521	49.489	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	409351	48.221	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	429420	49.022	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	82225	49.773	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	308544	49.935	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	261305	53.530	ug/L	100
71) Naphthalene	14.086	128	881595	63.107	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	276596	55.290	ug/L	99

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

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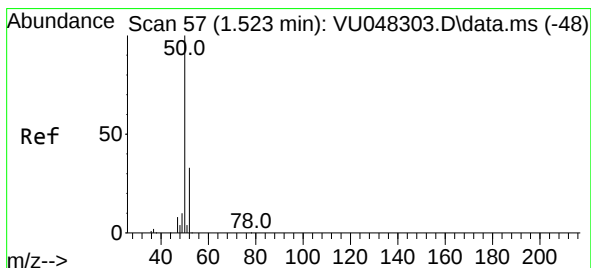
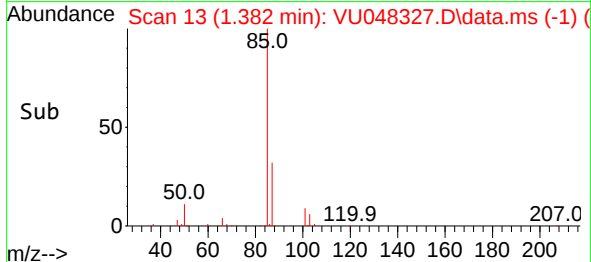
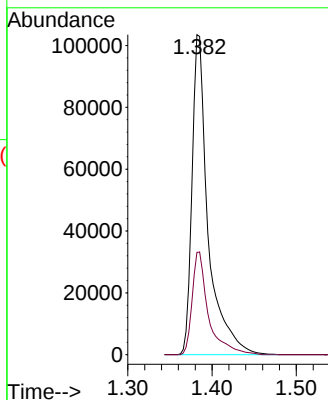
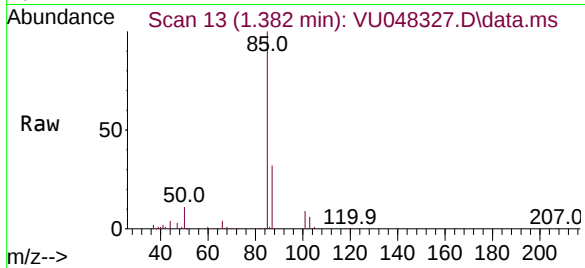




#2
Dichlorodifluoromethane
Concen: 41.515 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

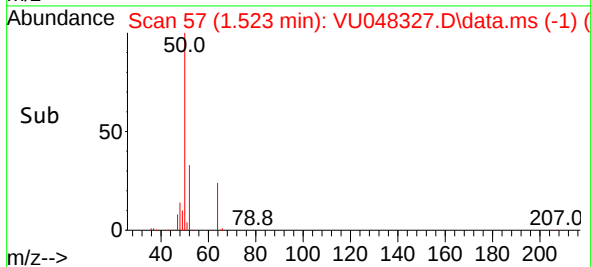
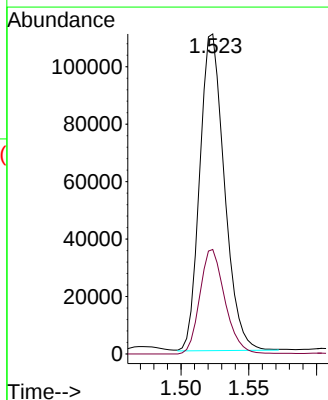
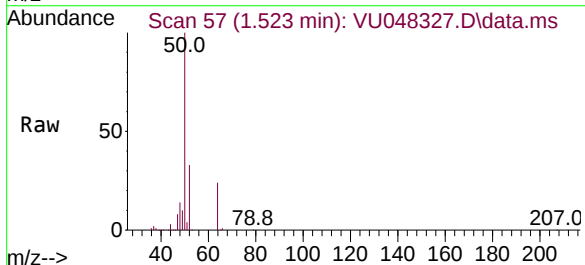
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

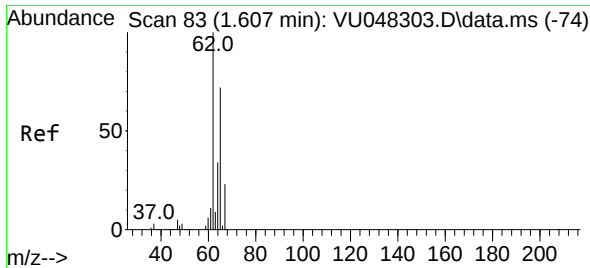
Tgt Ion: 85 Resp: 137311
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1



#3
Chloromethane
Concen: 36.864 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 50 Resp: 139555
Ion Ratio Lower Upper
50 100
52 32.7 23.2 43.2

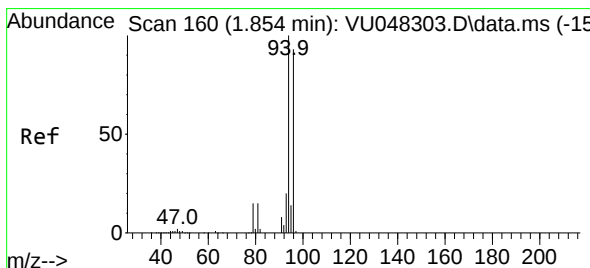
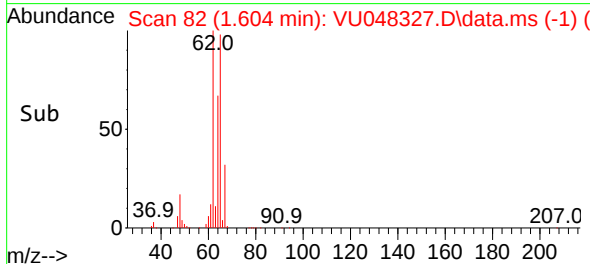
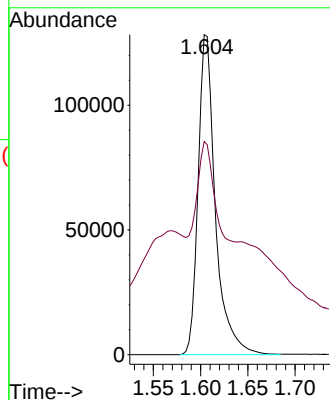
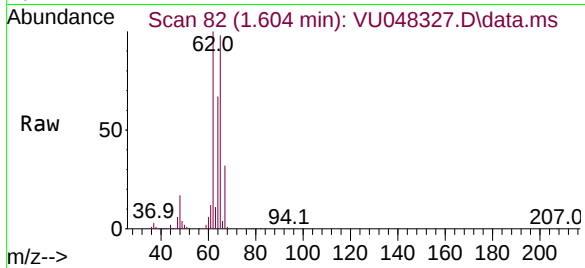




#5
 Vinyl chloride
 Concen: 42.710 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

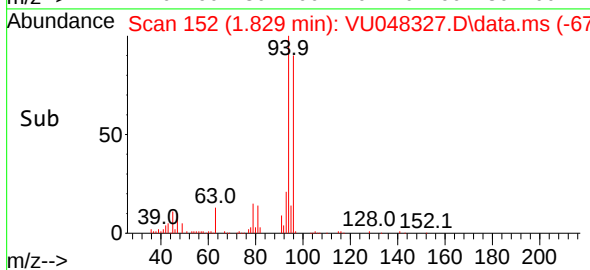
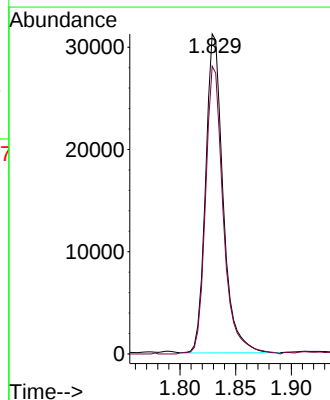
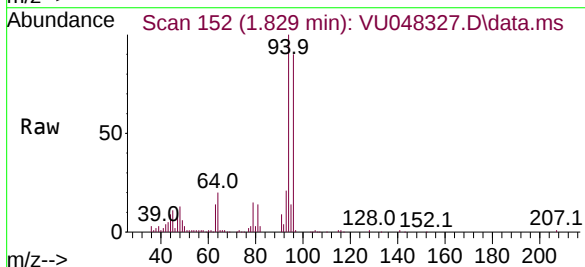
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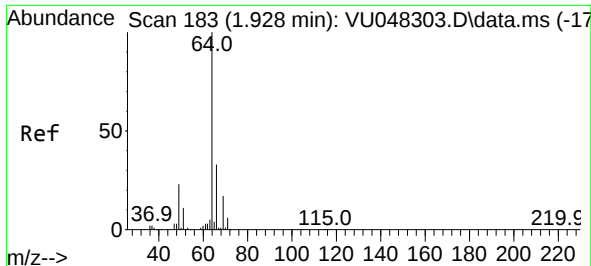
Tgt Ion: 62 Resp: 162936
 Ion Ratio Lower Upper
 62 100
 64 66.6 22.5 41.7#



#6
 Bromomethane
 Concen: 19.446 ug/L
 RT: 1.829 min Scan# 152
 Delta R.T. -0.025 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

Tgt Ion: 94 Resp: 34095
 Ion Ratio Lower Upper
 94 100
 96 89.9 65.8 122.2

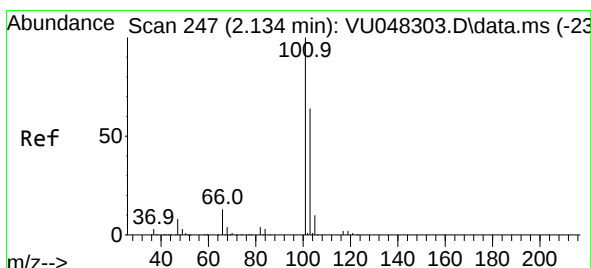
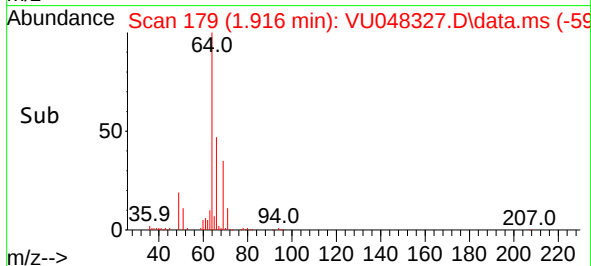
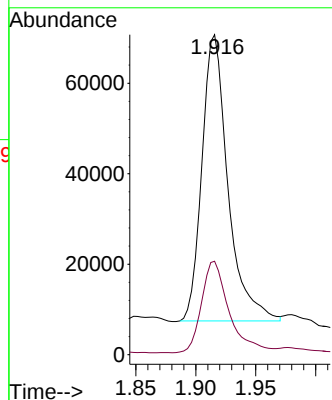
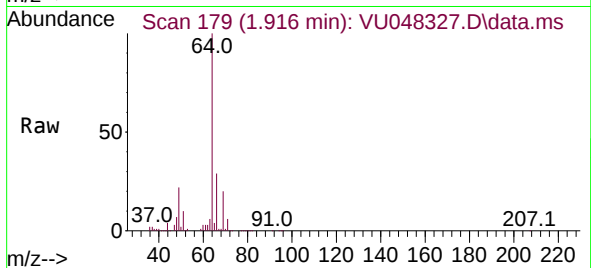




#8
Chloroethane
Concen: 44.341 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

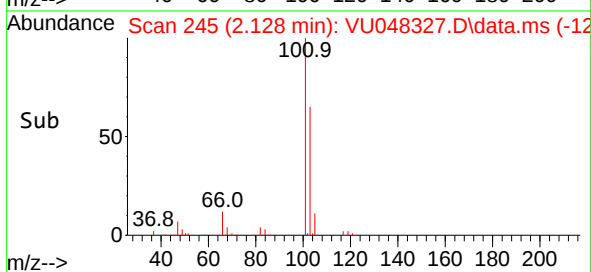
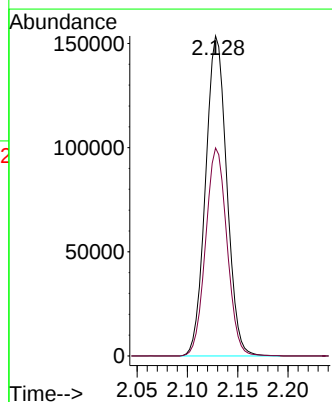
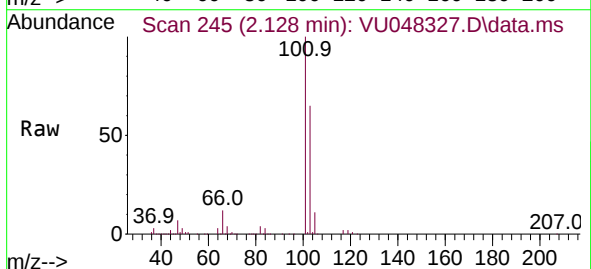
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VSTD050104

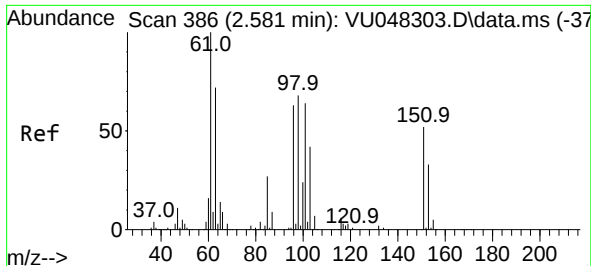
Tgt Ion: 64 Resp: 95647
Ion Ratio Lower Upper
64 100
66 29.2 21.9 40.7



#9
Trichlorofluoromethane
Concen: 45.297 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.006 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 101 Resp: 225199
Ion Ratio Lower Upper
101 100
103 65.4 51.9 77.9

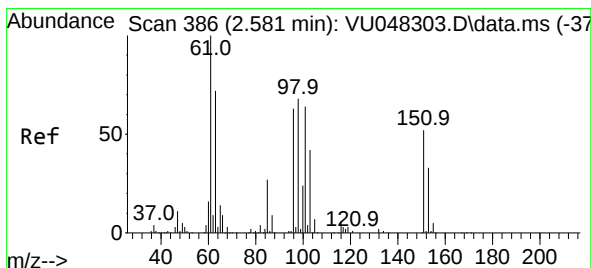
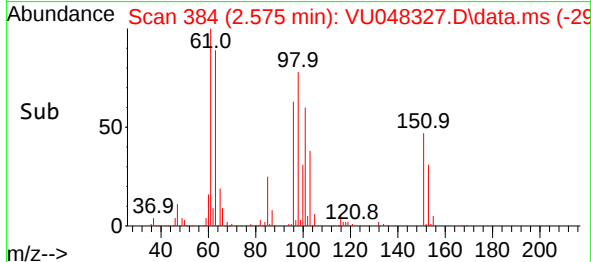
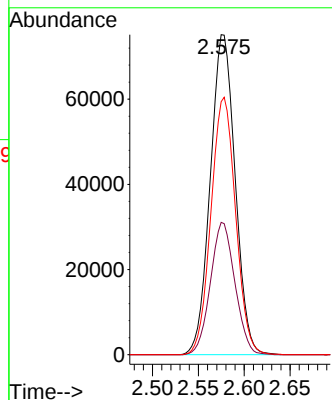
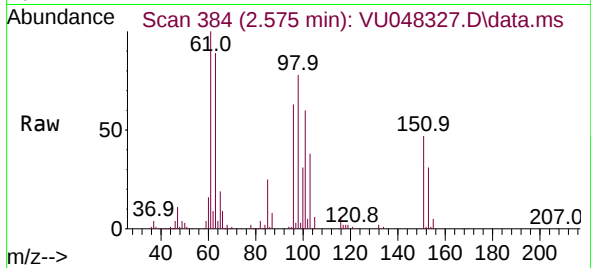




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.008 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.006 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

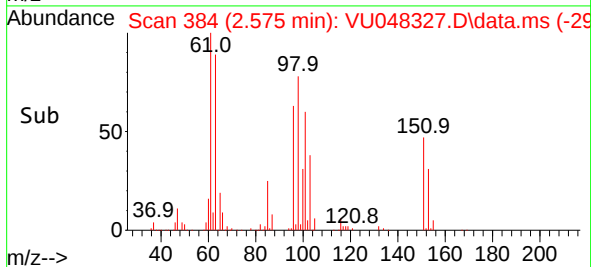
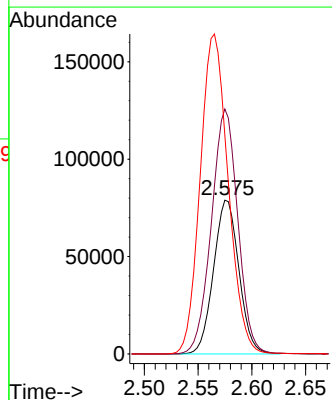
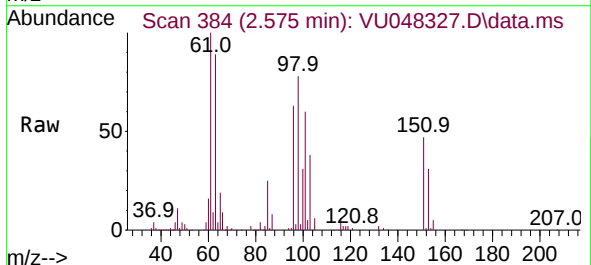
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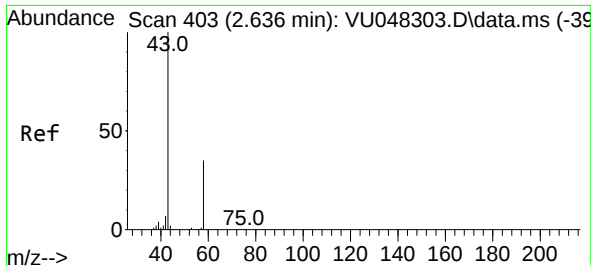
Tgt Ion:101 Resp: 141814
 Ion Ratio Lower Upper
 101 100
 85 40.6 32.6 48.8
 151 79.6 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 45.012 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.006 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

Tgt Ion: 96 Resp: 129556
 Ion Ratio Lower Upper
 96 100
 61 159.3 107.9 200.3
 63 142.2 80.3 149.1





#13

Acetone

Concen: 77.833 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.009 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

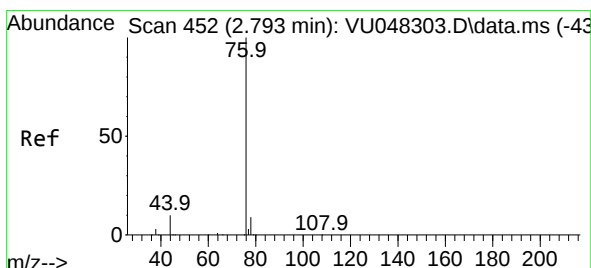
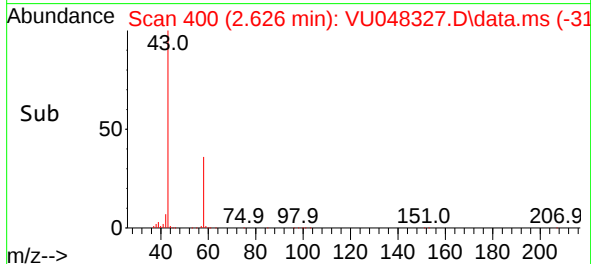
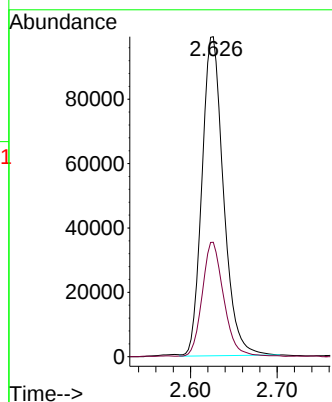
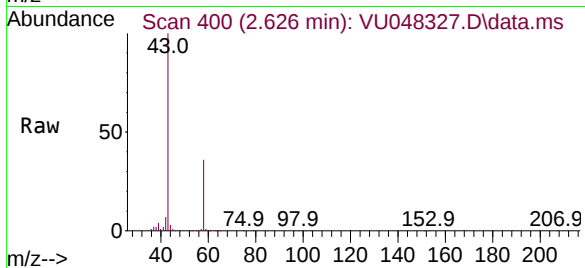
VSTD050104

Tgt Ion: 43 Resp: 171542

Ion Ratio Lower Upper

43 100

58 35.4 0.0 71.2



#14

Carbon disulfide

Concen: 43.625 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU048327.D

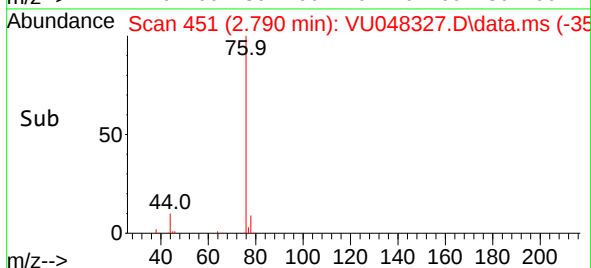
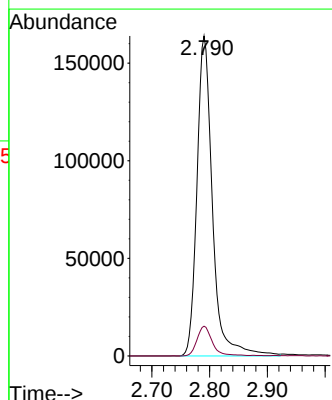
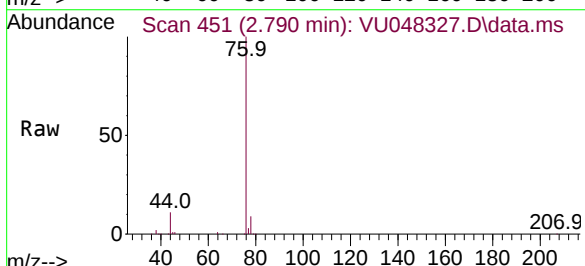
Acq: 27 Apr 2022 20:08

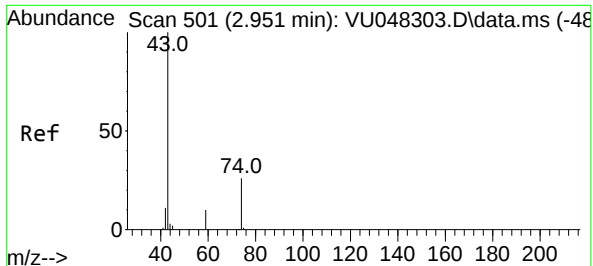
Tgt Ion: 76 Resp: 306025

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

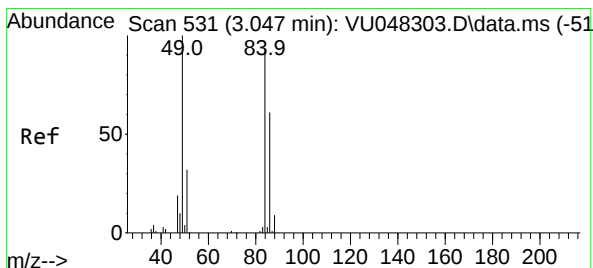
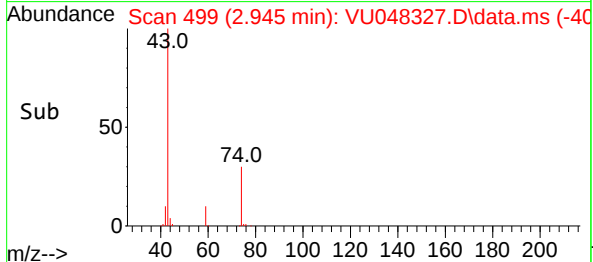
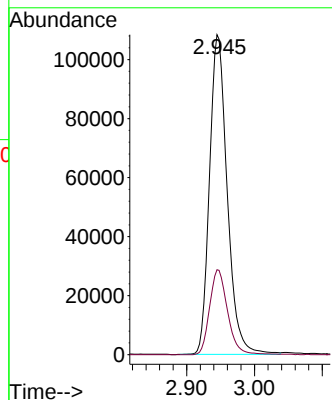
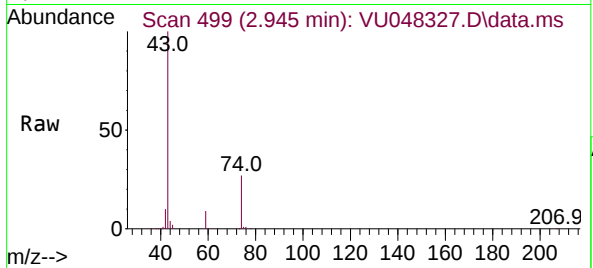




#15
Methyl Acetate
Concen: 44.920 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.006 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

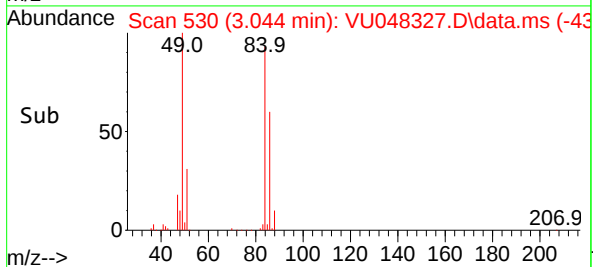
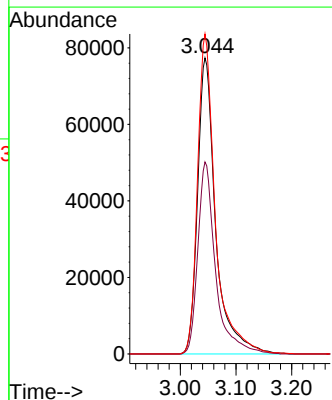
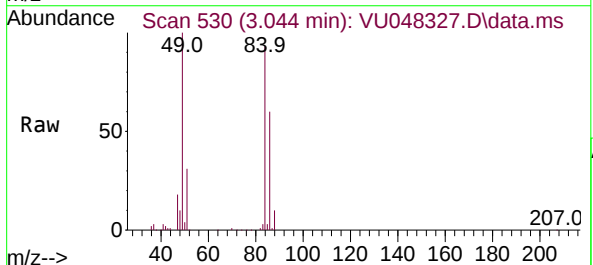
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

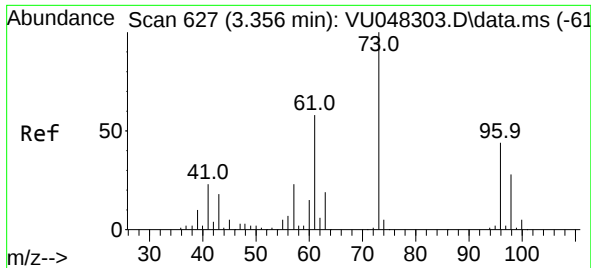
Tgt Ion: 43 Resp: 196526
Ion Ratio Lower Upper
43 100
74 27.0 21.0 31.6



#16
Methylene chloride
Concen: 47.258 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 84 Resp: 175362
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 108.1 79.2 147.0

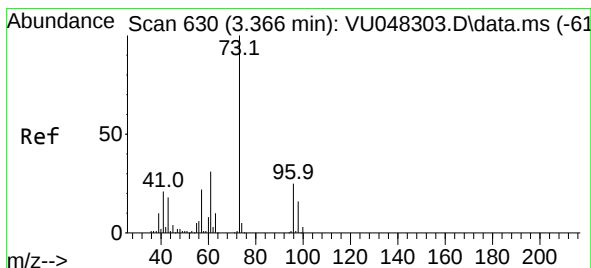
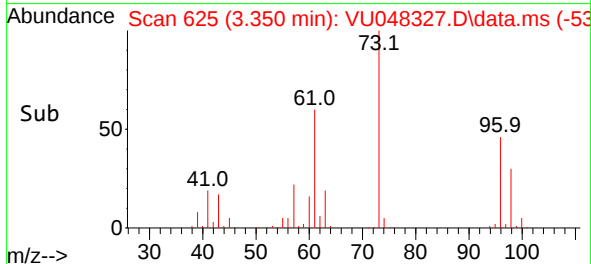
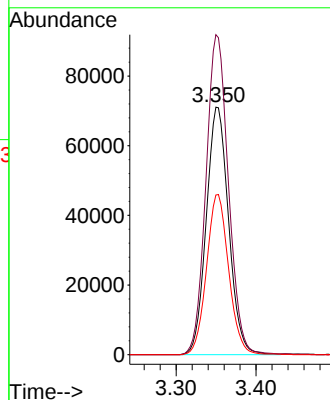
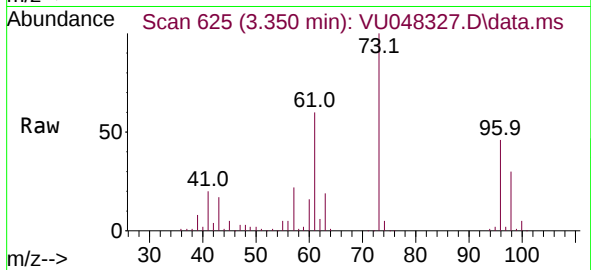




#17
trans-1,2-Dichloroethene
Concen: 46.193 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

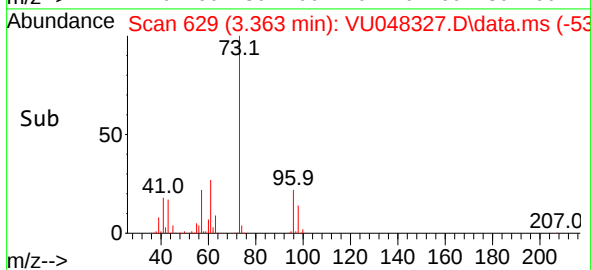
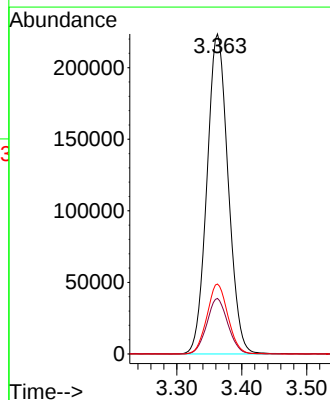
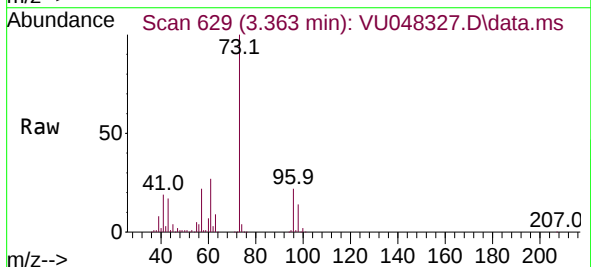
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

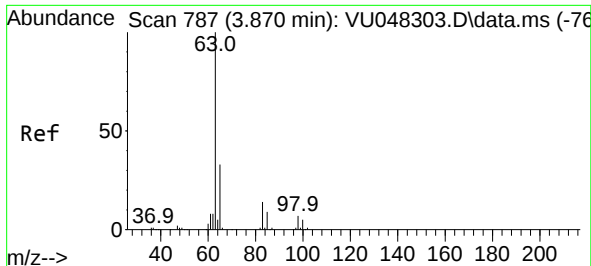
Tgt Ion: 96 Resp: 138119
Ion Ratio Lower Upper
96 100
61 129.3 95.2 176.8
98 64.5 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 51.406 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 73 Resp: 507146
Ion Ratio Lower Upper
73 100
43 17.2 13.8 20.6
57 21.7 17.9 26.9





#19

1,1-Dichloroethane

Concen: 45.534 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

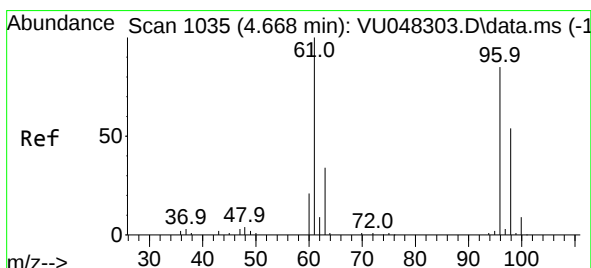
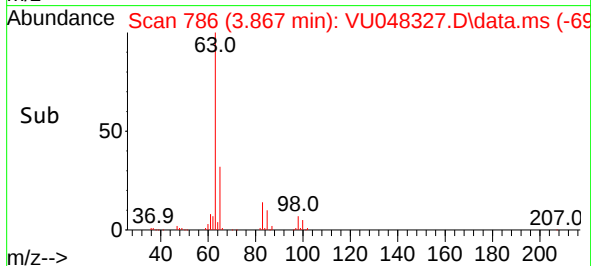
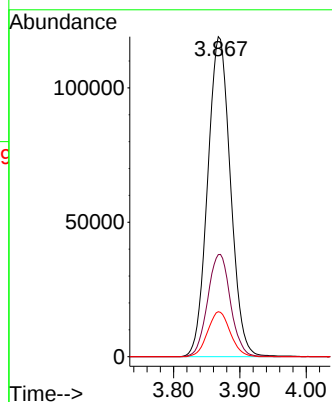
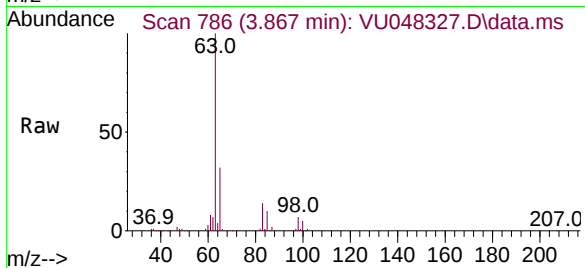
Tgt Ion: 63 Resp: 284710

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 14.1 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 48.612 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

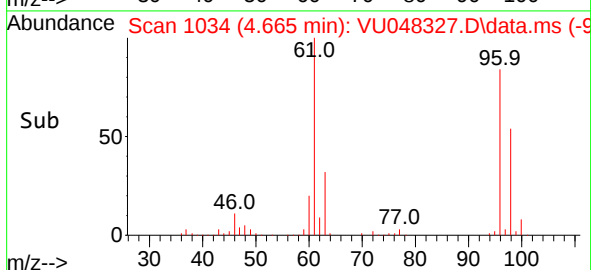
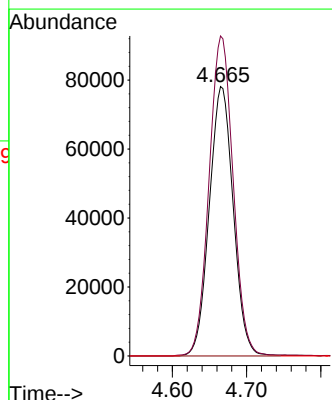
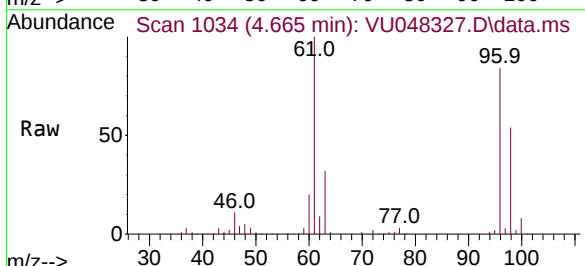
Tgt Ion: 96 Resp: 175208

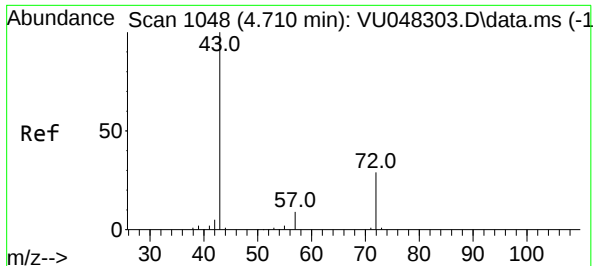
Ion Ratio Lower Upper

96 100

61 118.7 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.787 ug/L

RT: 4.700 min Scan# 110

Delta R.T. -0.009 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

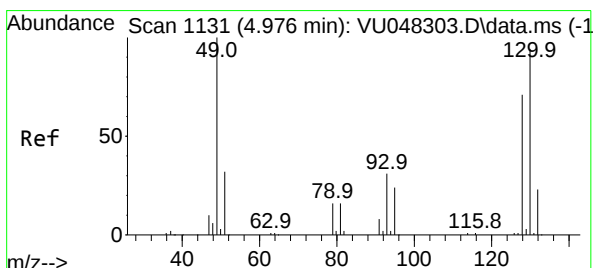
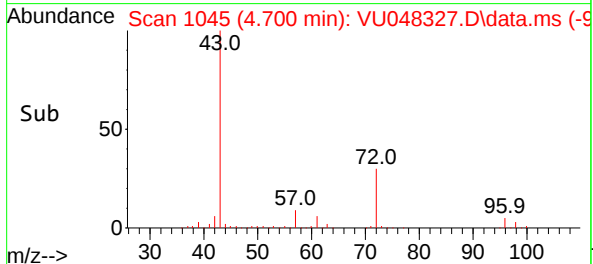
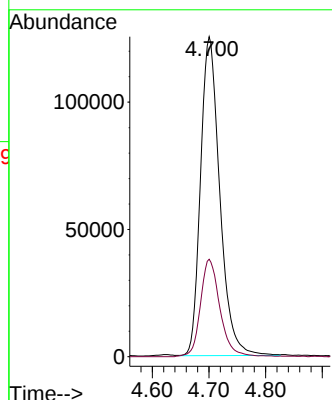
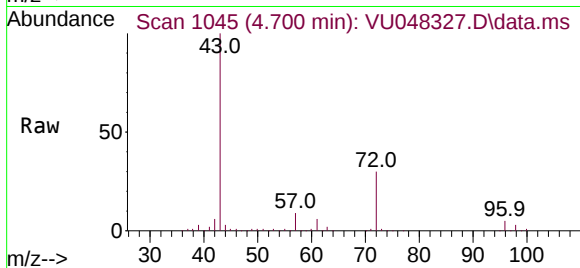
VSTD050104

Tgt Ion: 43 Resp: 295881

Ion Ratio Lower Upper

43 100

72 30.8 14.6 43.8



#23

Bromochloromethane

Concen: 47.601 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Tgt Ion:128 Resp: 95784

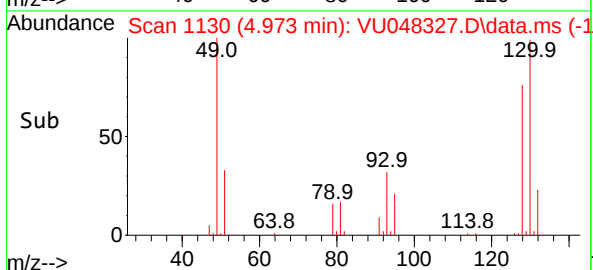
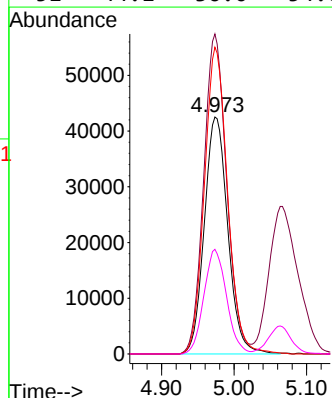
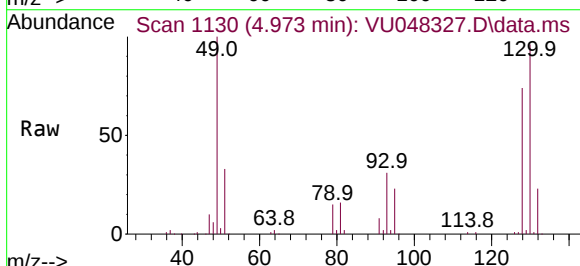
Ion Ratio Lower Upper

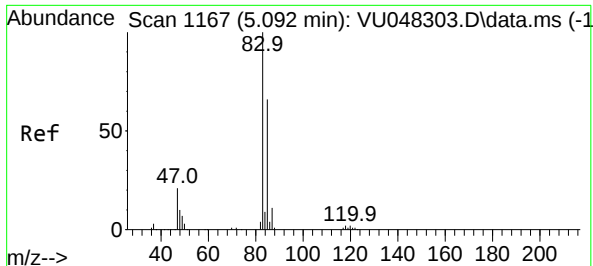
128 100

49 135.1 101.3 188.1

130 129.5 89.0 165.2

51 44.1 36.0 54.0





#25

Chloroform

Concen: 47.016 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

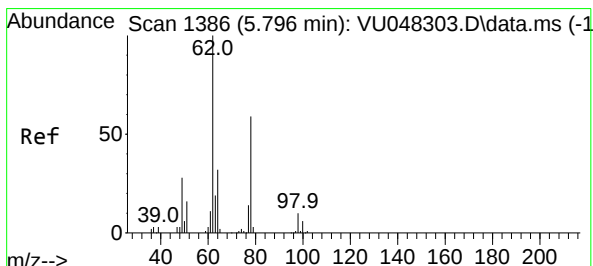
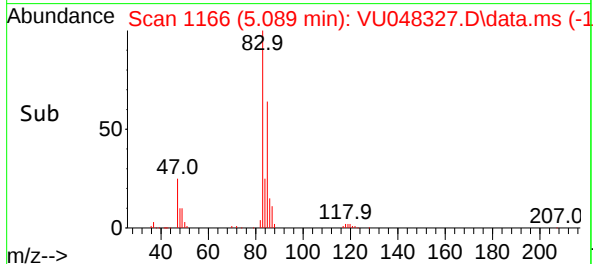
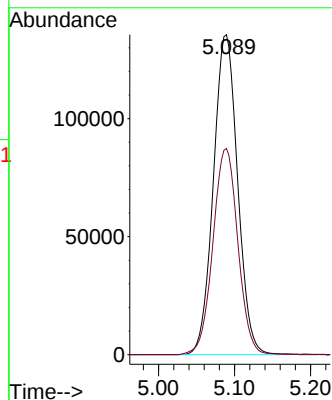
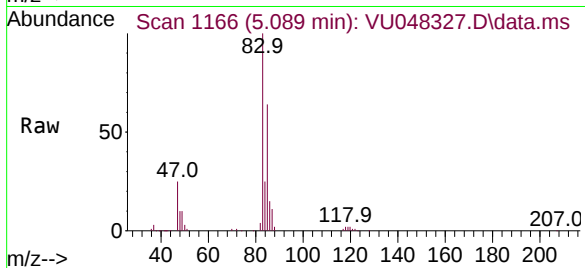
VSTD050104

Tgt Ion: 83 Resp: 300189

Ion Ratio Lower Upper

83 100

85 64.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 47.063 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048327.D

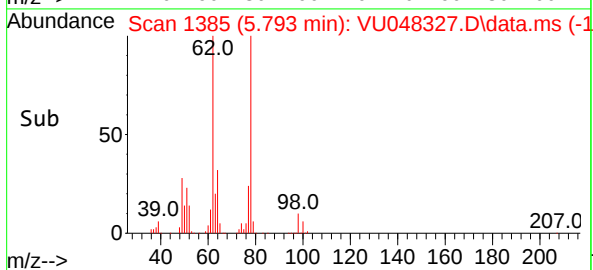
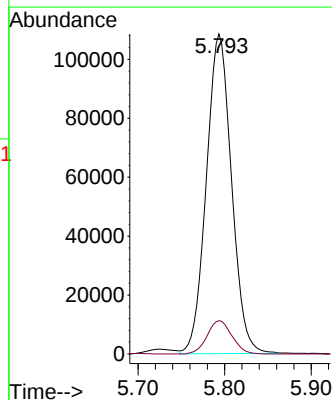
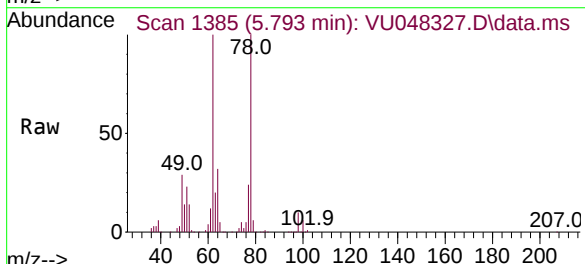
Acq: 27 Apr 2022 20:08

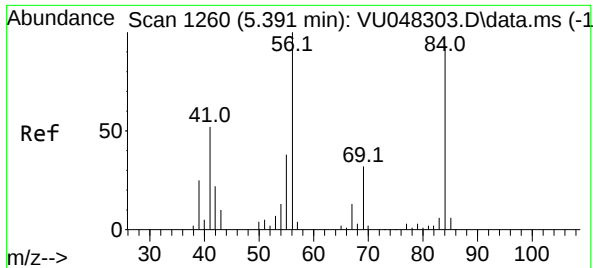
Tgt Ion: 62 Resp: 219180

Ion Ratio Lower Upper

62 100

98 10.4 8.5 12.7





#29

Cyclohexane

Concen: 48.284 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

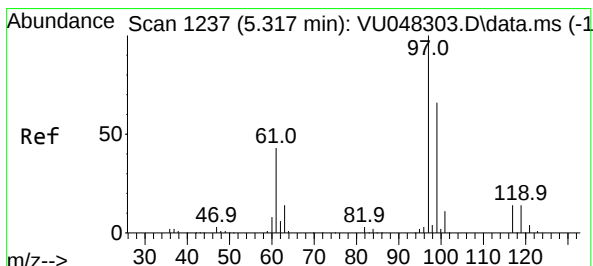
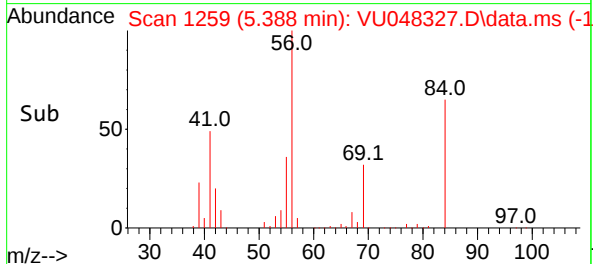
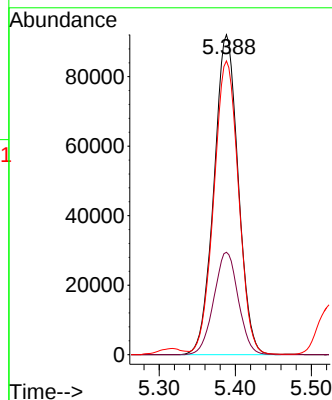
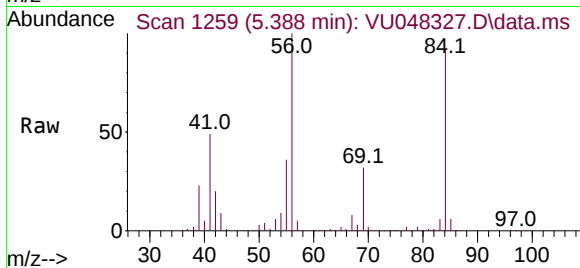
Tgt Ion: 56 Resp: 203913

Ion Ratio Lower Upper

56 100

69 32.3 24.2 36.4

84 93.6 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 49.193 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

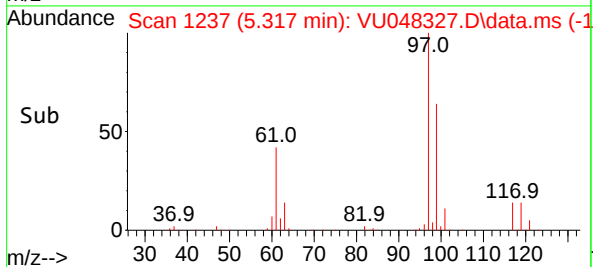
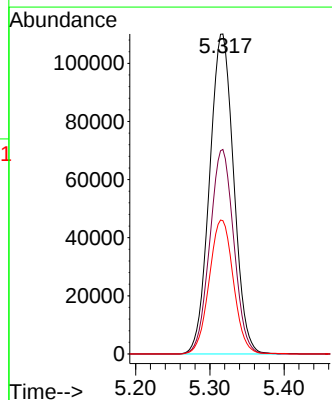
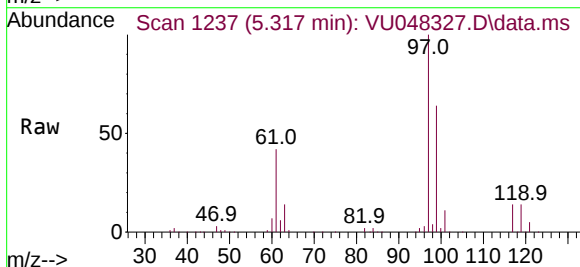
Tgt Ion: 97 Resp: 248649

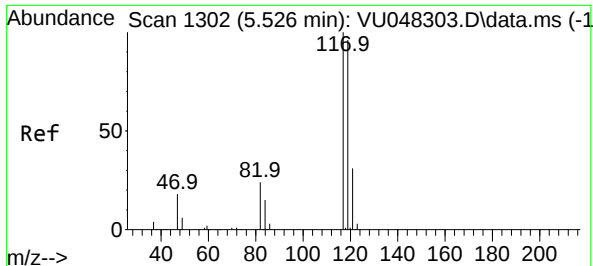
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.8

61 41.9 33.9 50.9

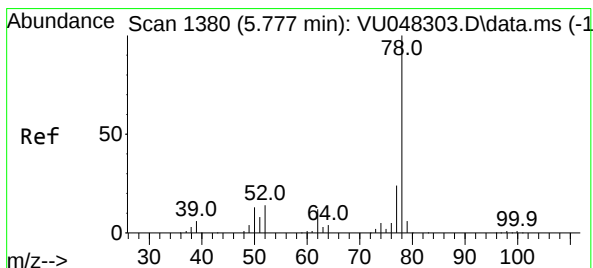
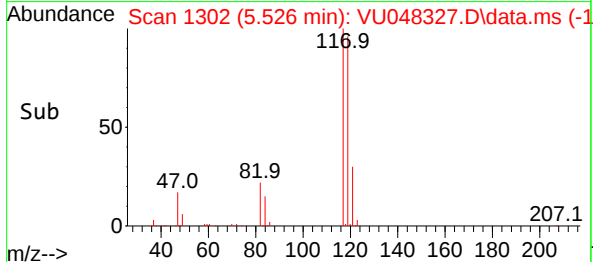
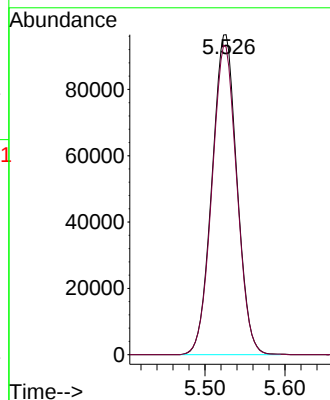
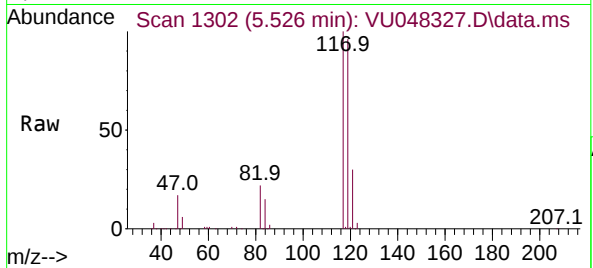




#31
Carbon tetrachloride
Concen: 48.585 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

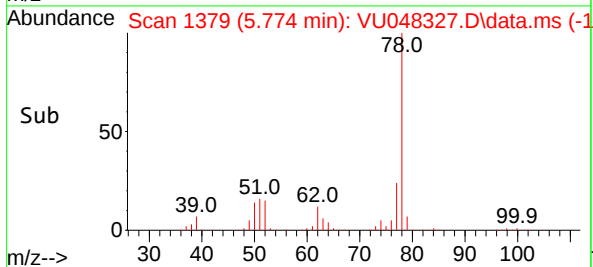
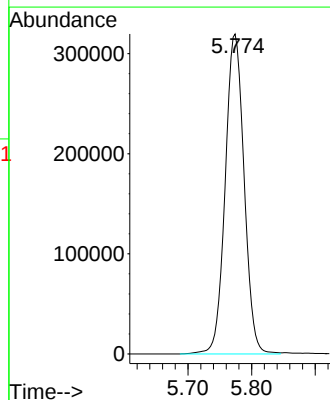
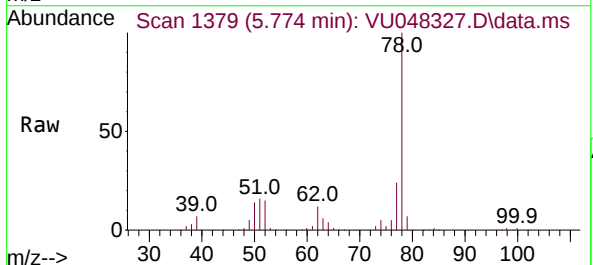
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

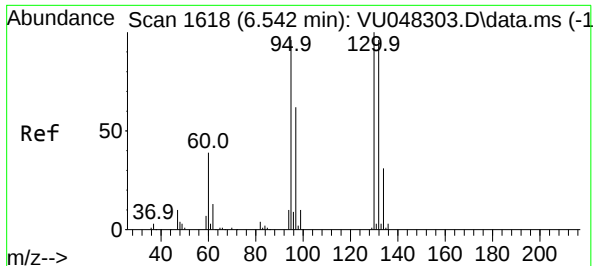
Tgt Ion:117 Resp: 209309
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7



#33
Benzene
Concen: 49.846 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 78 Resp: 659654

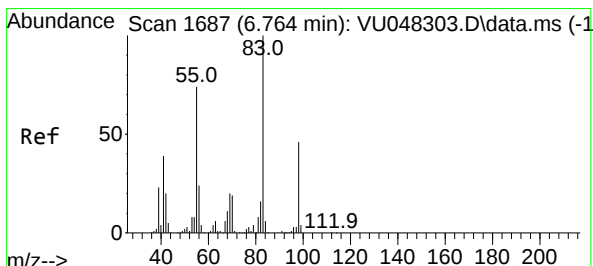
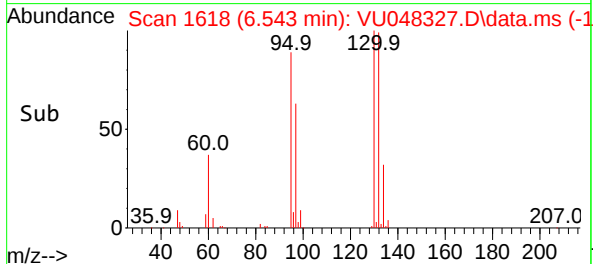
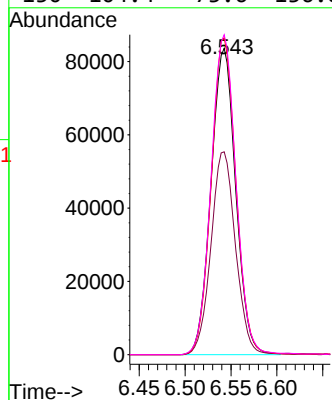
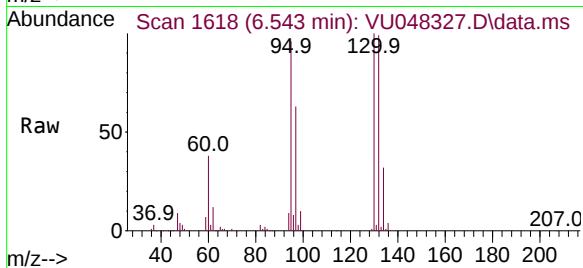




#34
Trichloroethene
Concen: 48.292 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

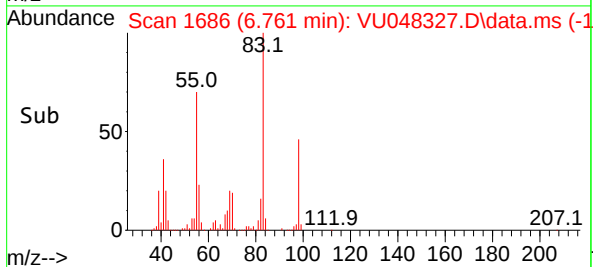
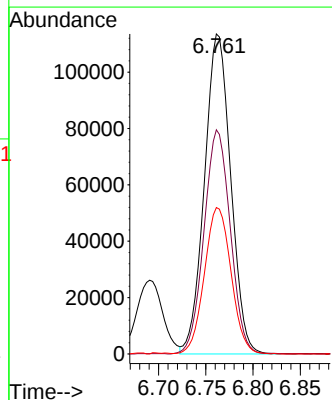
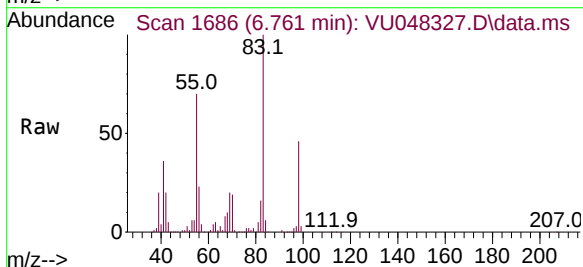
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

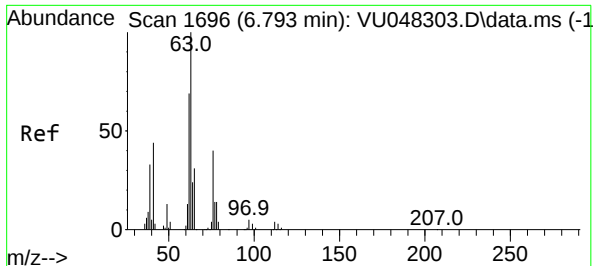
Tgt Ion: 95 Resp: 156647
Ion Ratio Lower Upper
95 100
97 66.2 45.8 85.2
132 103.4 71.6 133.0
130 104.4 73.6 136.8



#35
Methylcyclohexane
Concen: 48.261 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 83 Resp: 219786
Ion Ratio Lower Upper
83 100
55 70.0 59.4 89.2
98 46.4 37.3 55.9





#37

1,2-Dichloropropane

Concen: 47.639 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

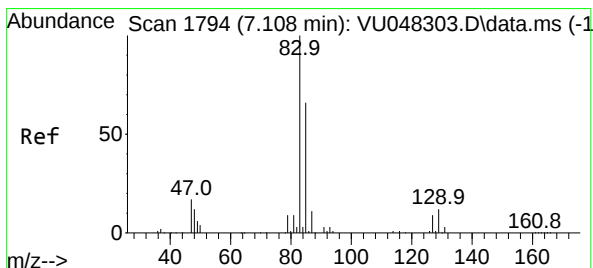
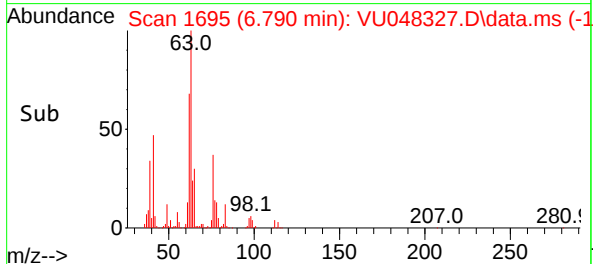
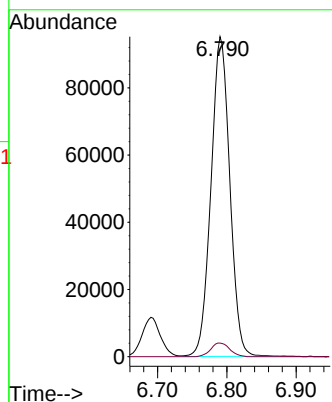
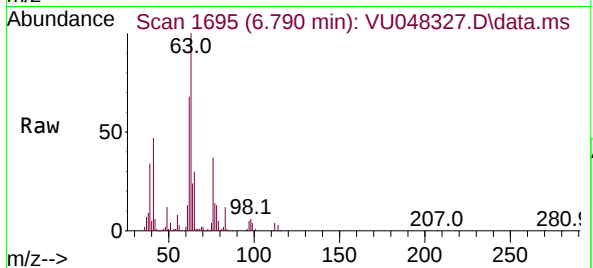
VSTD050104

Tgt Ion: 63 Resp: 179371

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



#38

Bromodichloromethane

Concen: 48.514 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

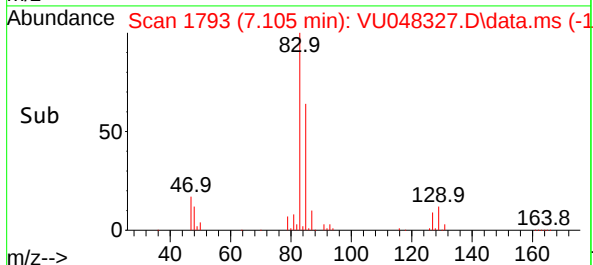
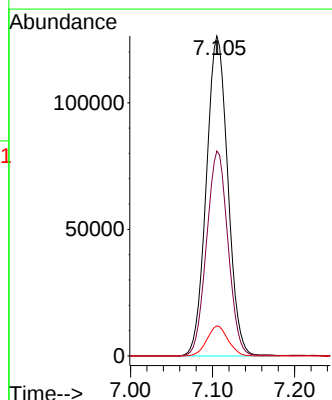
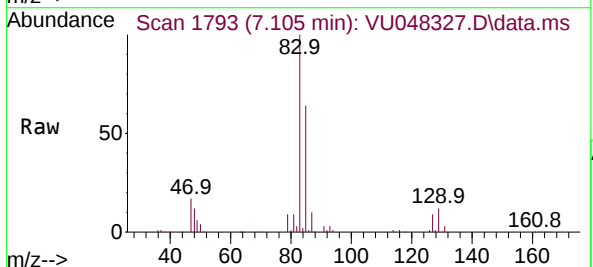
Tgt Ion: 83 Resp: 230685

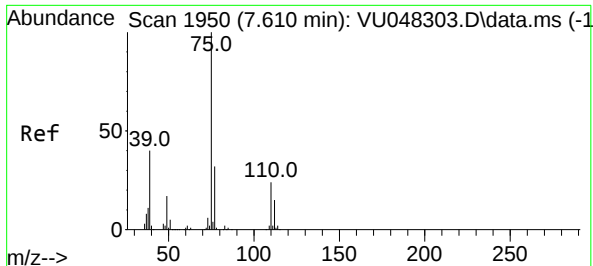
Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.017 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

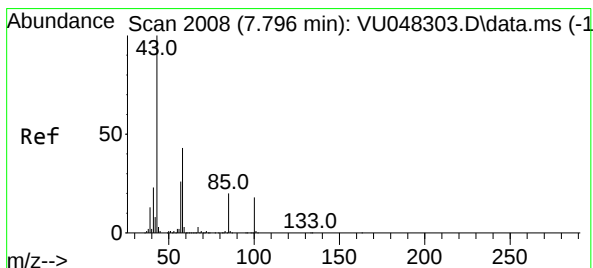
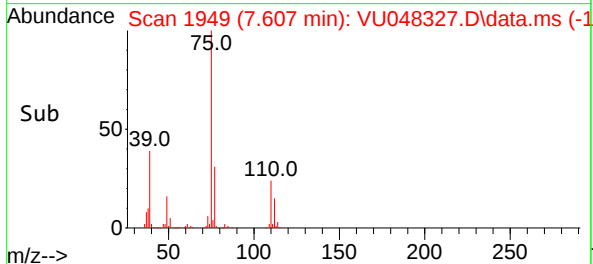
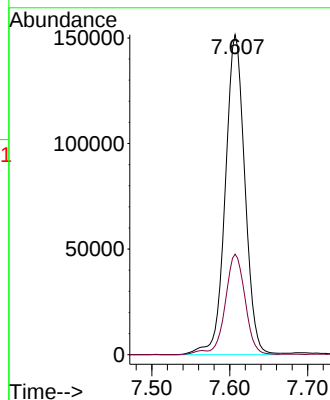
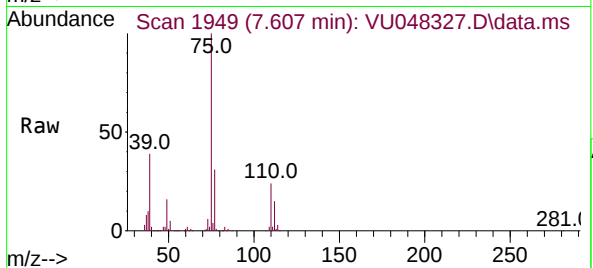
VSTD050104

Tgt Ion: 75 Resp: 264819

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 104.030 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

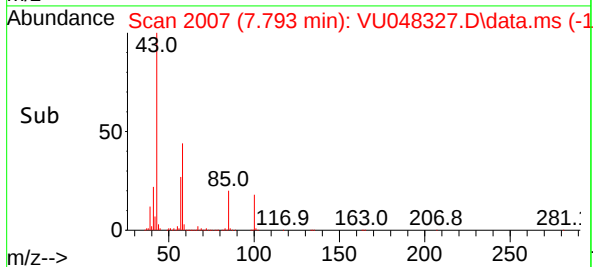
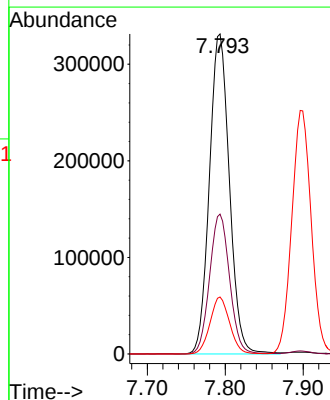
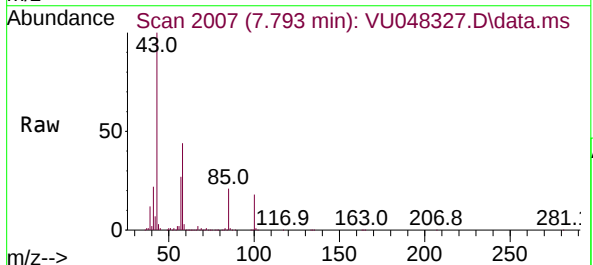
Tgt Ion: 43 Resp: 590781

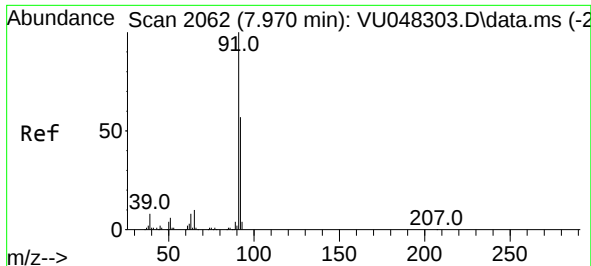
Ion Ratio Lower Upper

43 100

58 43.7 34.4 51.6

100 17.5 13.6 20.4





#42

Toluene

Concen: 50.159 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

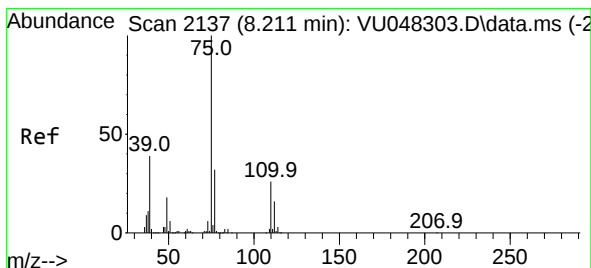
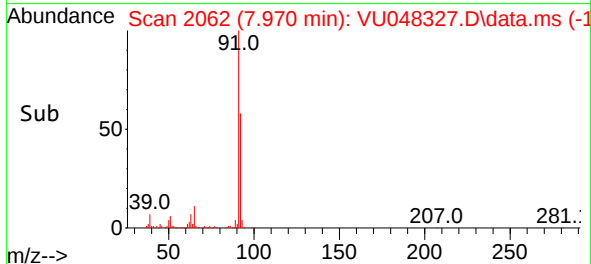
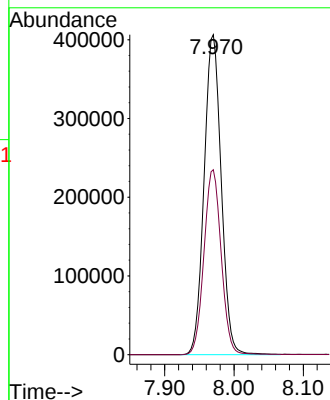
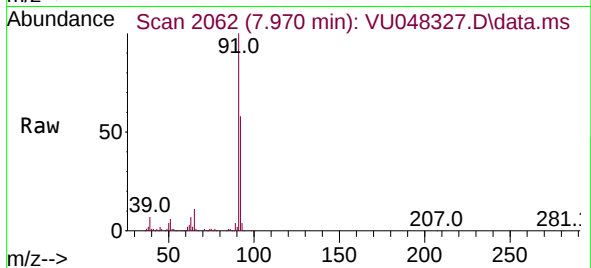
VSTD050104

Tgt Ion: 91 Resp: 696907

Ion Ratio Lower Upper

91 100

92 57.8 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.370 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048327.D

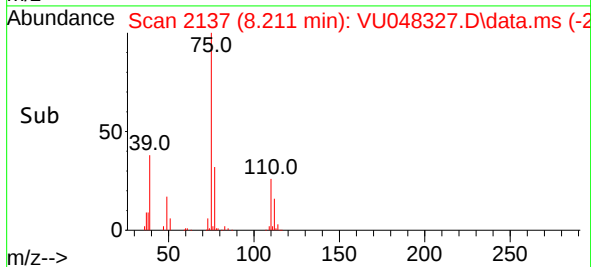
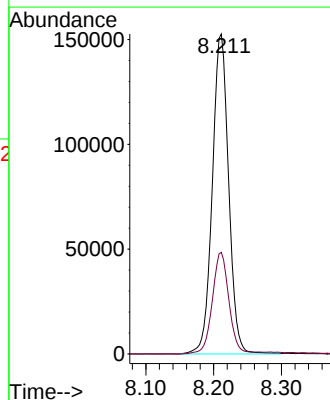
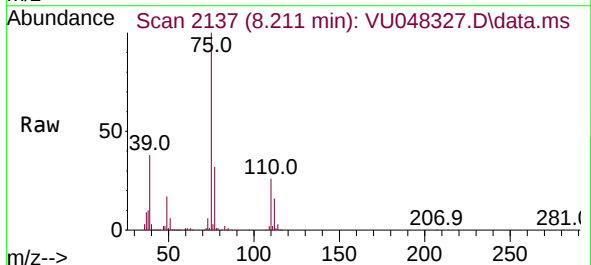
Acq: 27 Apr 2022 20:08

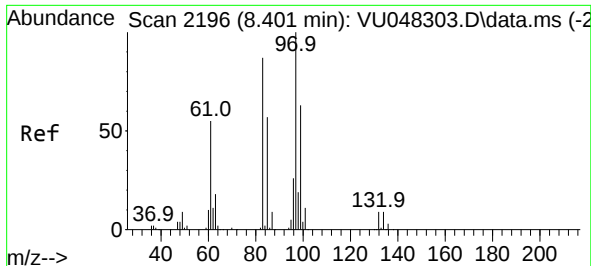
Tgt Ion: 75 Resp: 255359

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



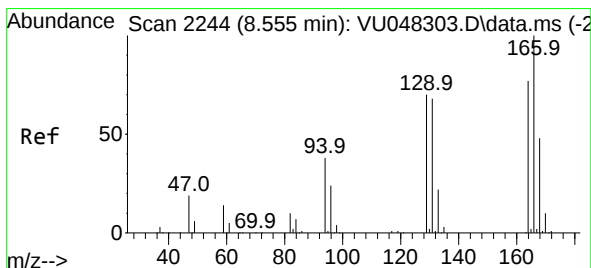
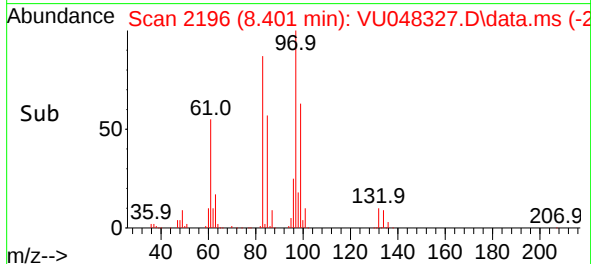
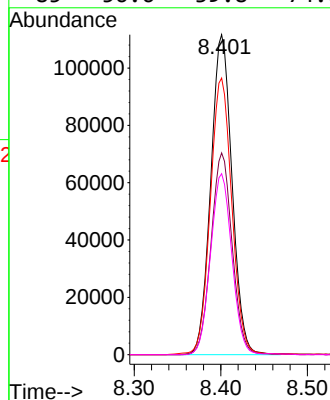
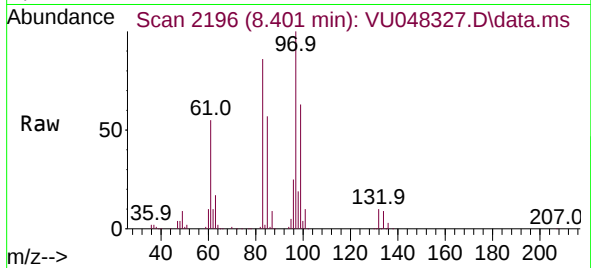


#45
1,1,2-Trichloroethane
Concen: 48.231 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

Tgt Ion: 97 Resp: 190530

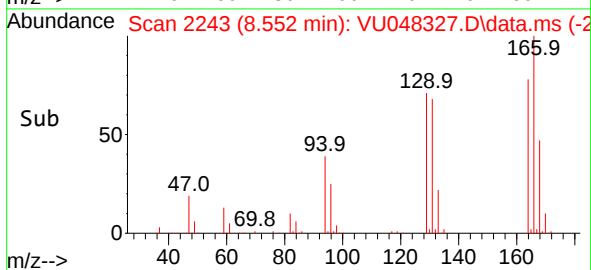
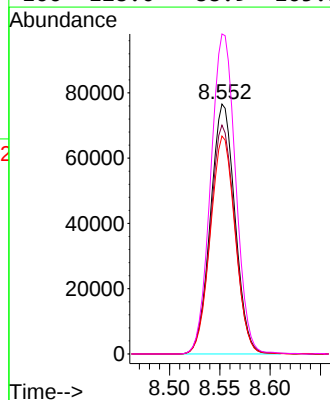
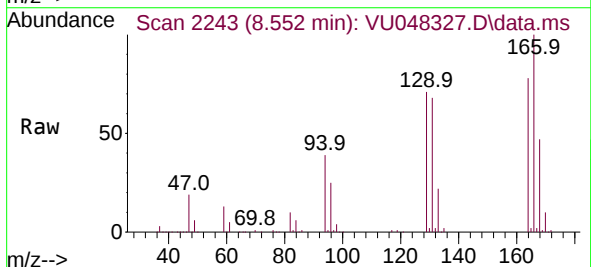
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.7	81.1
83	86.4	62.6	116.2
85	56.6	39.8	74.0

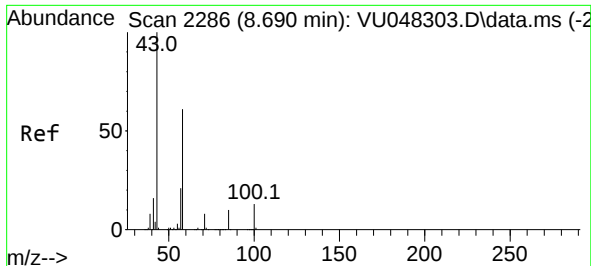


#46
Tetrachloroethene
Concen: 46.697 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 164 Resp: 130001

Ion	Ratio	Lower	Upper
164	100		
129	91.5	63.3	117.7
131	87.2	61.2	113.6
166	128.0	88.9	165.1





#48

2-Hexanone

Concen: 103.326 ug/L

RT: 8.687 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

Tgt Ion: 43 Resp: 490001

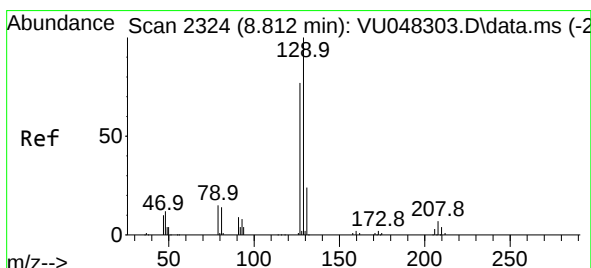
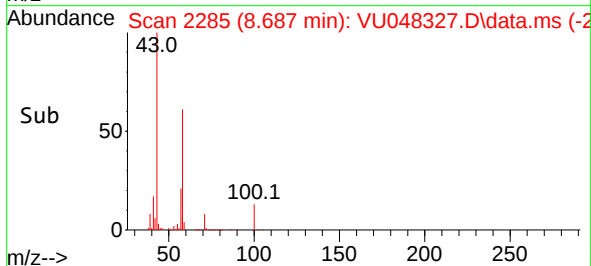
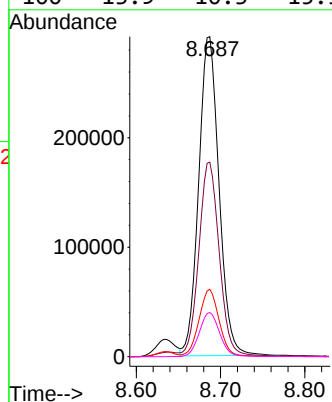
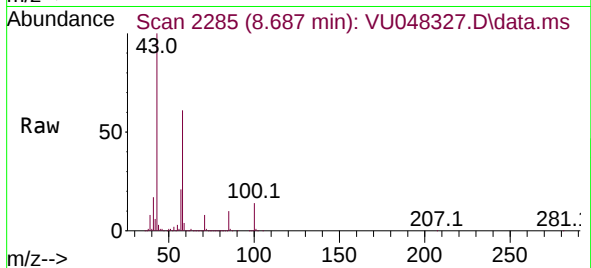
Ion Ratio Lower Upper

43 100

58 61.1 48.1 72.1

57 20.8 16.2 24.4

100 13.9 10.3 15.5



#49

Dibromochloromethane

Concen: 48.321 ug/L

RT: 8.809 min Scan# 2323

Delta R.T. -0.003 min

Lab File: VU048327.D

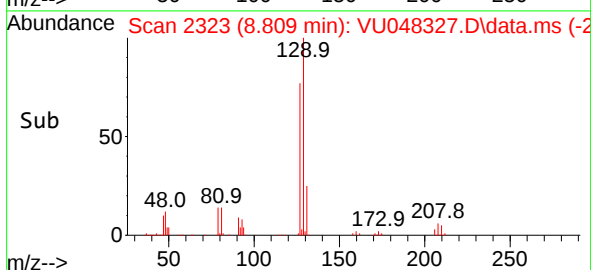
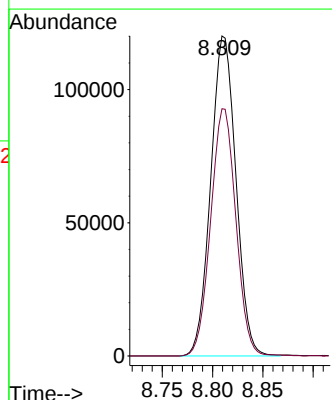
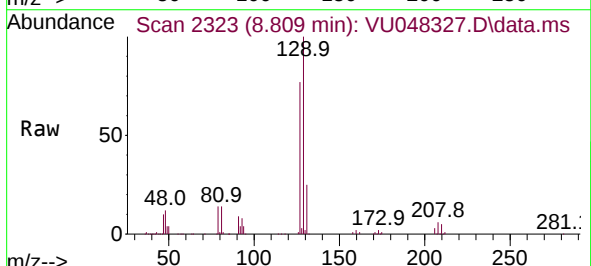
Acq: 27 Apr 2022 20:08

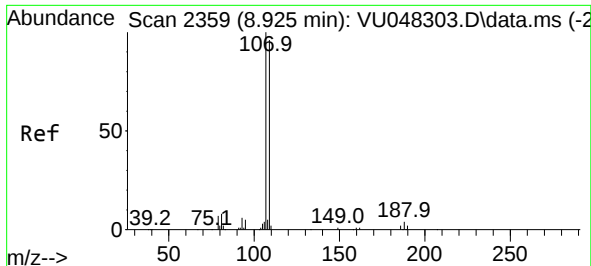
Tgt Ion:129 Resp: 209758

Ion Ratio Lower Upper

129 100

127 77.3 53.8 99.8





#50

1,2-Dibromoethane

Concen: 49.976 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

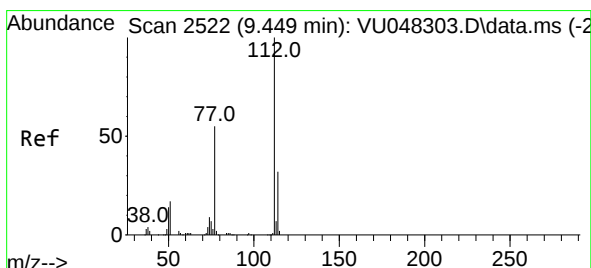
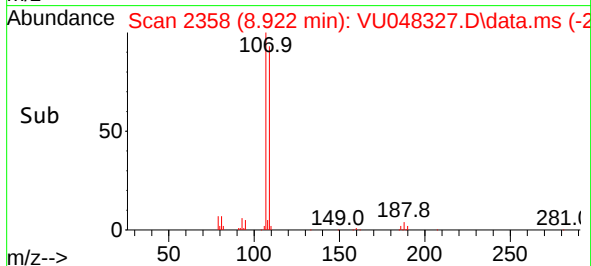
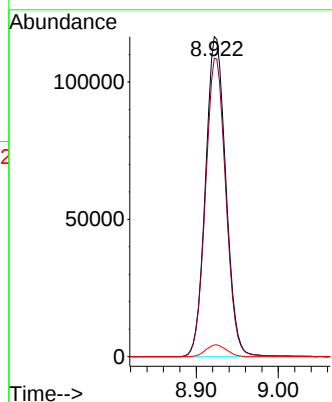
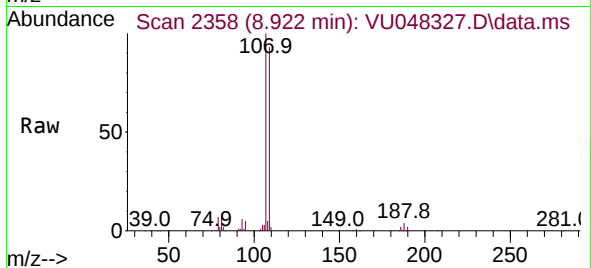
Tgt Ion:107 Resp: 200205

Ion Ratio Lower Upper

107 100

109 93.2 65.0 120.8

188 3.7 3.1 4.7



#51

Chlorobenzene

Concen: 53.858 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

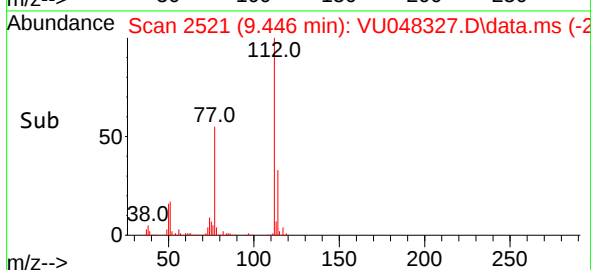
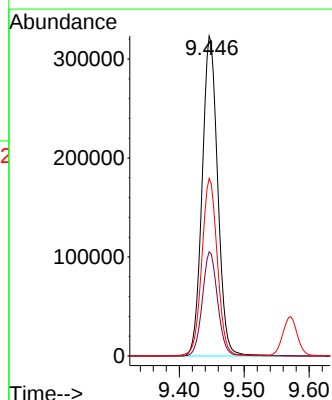
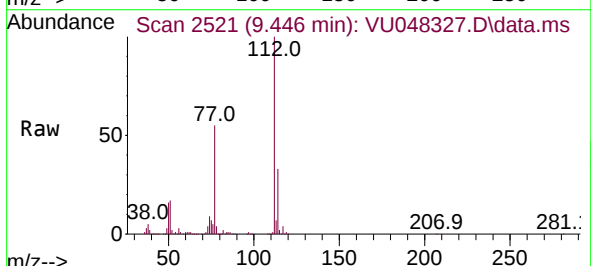
Tgt Ion:112 Resp: 539389

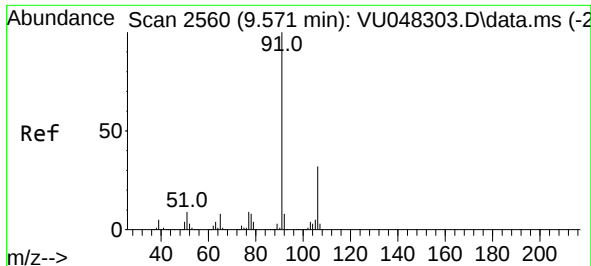
Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.1

77 55.5 44.3 66.5

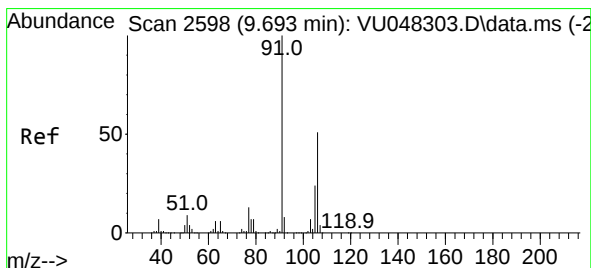
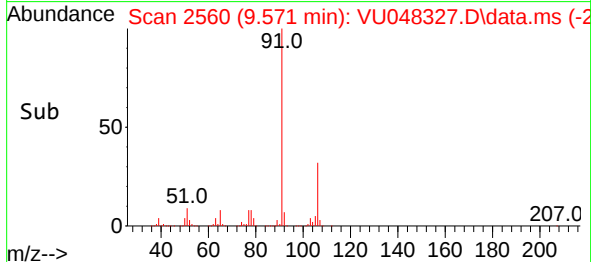
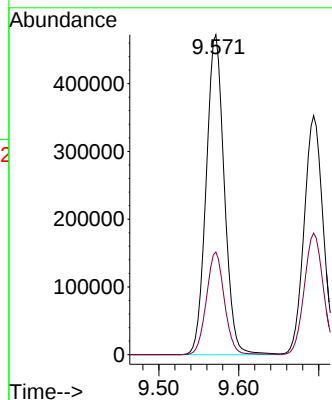
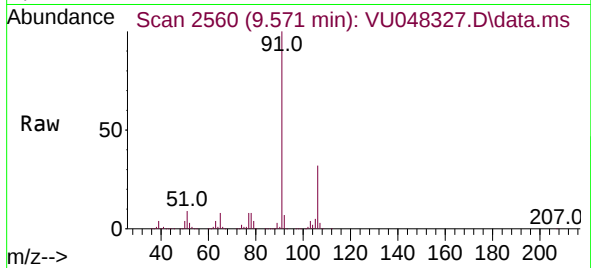




#52
Ethylbenzene
Concen: 51.726 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

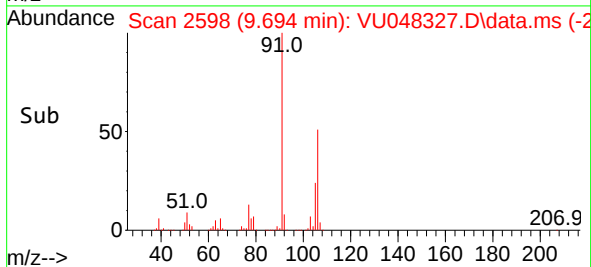
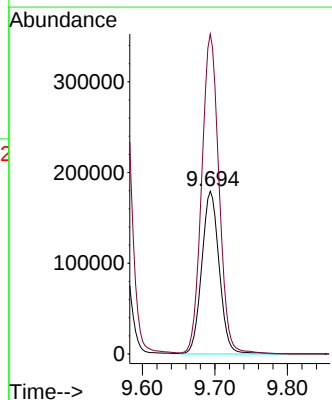
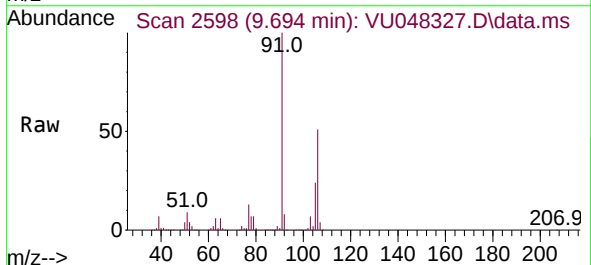
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

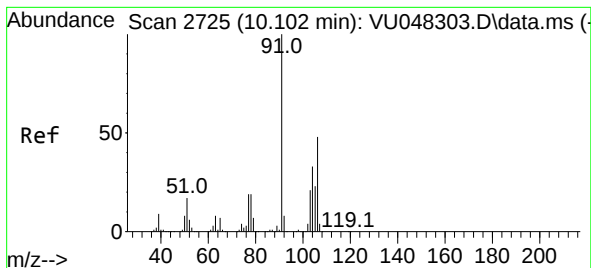
Tgt Ion: 91 Resp: 744287
Ion Ratio Lower Upper
91 100
106 32.1 22.5 41.9



#53
m,p-Xylene
Concen: 52.908 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 106 Resp: 300428
Ion Ratio Lower Upper
106 100
91 196.6 137.4 255.2





#54

o-Xylene

Concen: 54.005 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

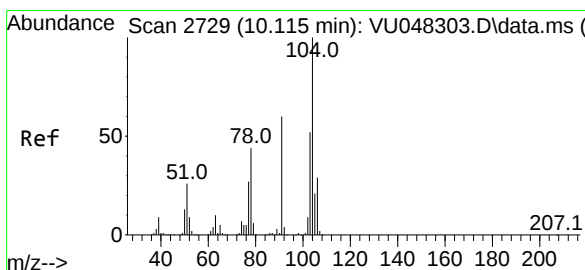
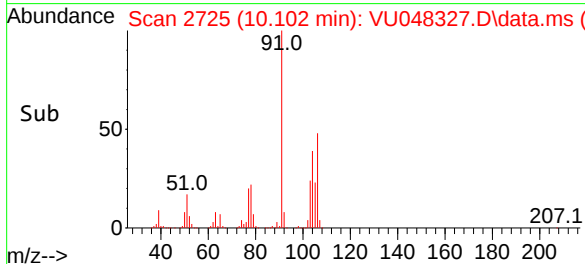
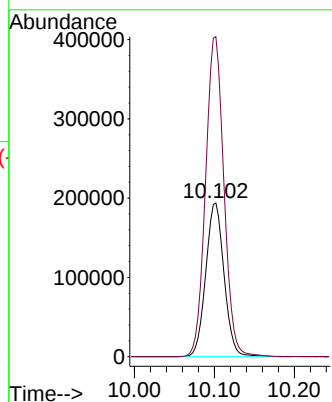
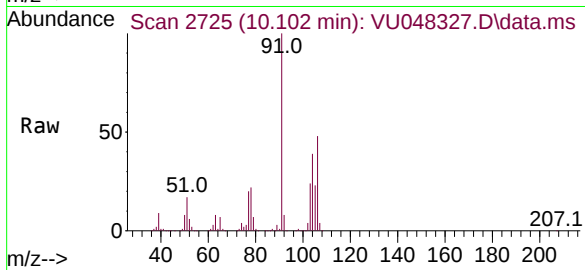
VSTD050104

Tgt Ion:106 Resp: 308928

Ion Ratio Lower Upper

106 100

91 208.0 145.3 269.8



#55

Styrene

Concen: 54.101 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU048327.D

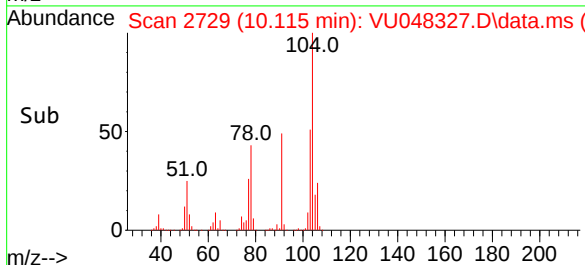
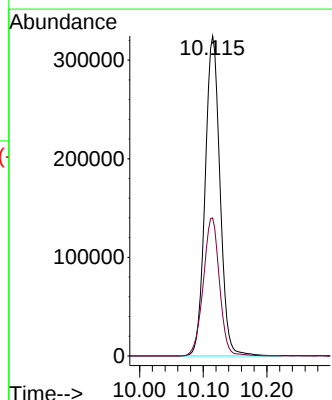
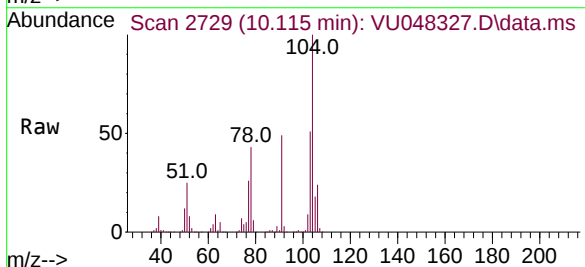
Acq: 27 Apr 2022 20:08

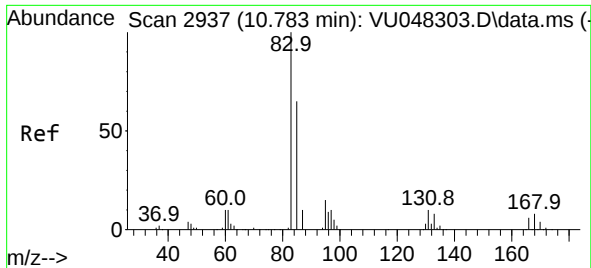
Tgt Ion:104 Resp: 527217

Ion Ratio Lower Upper

104 100

78 43.1 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 49.428 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

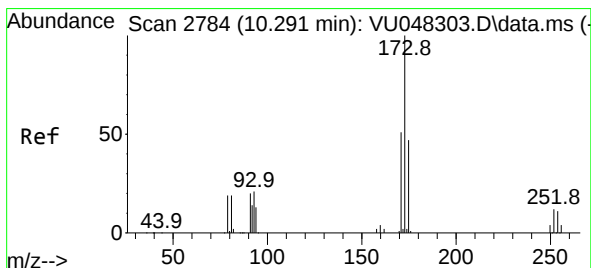
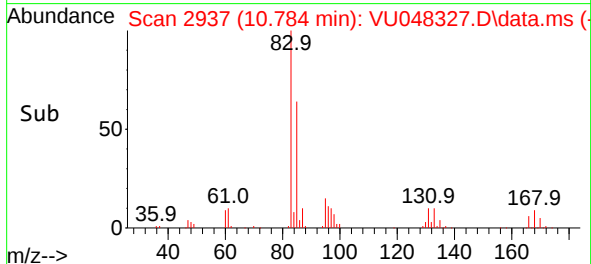
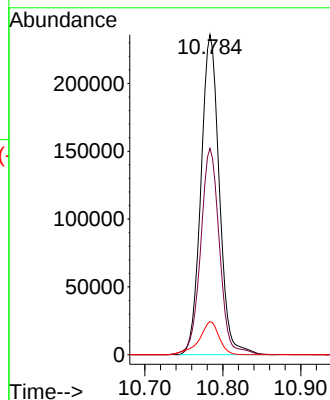
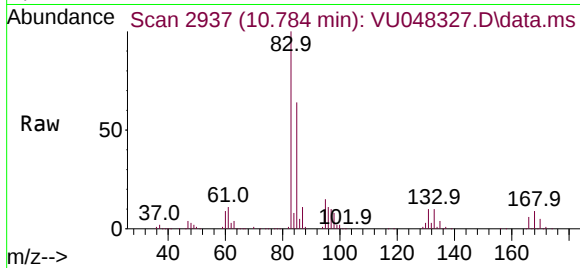
Tgt Ion: 83 Resp: 385372

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

131 10.4 7.8 11.6



#59

Bromoform

Concen: 47.994 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

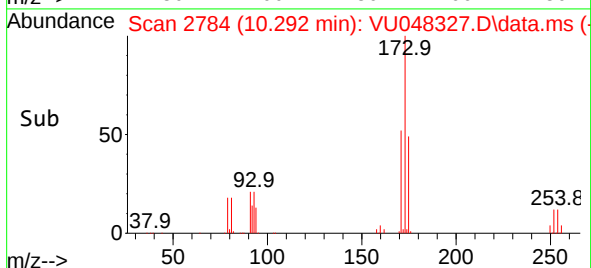
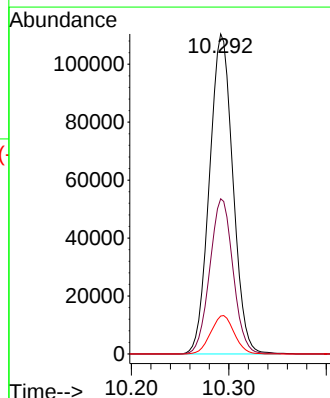
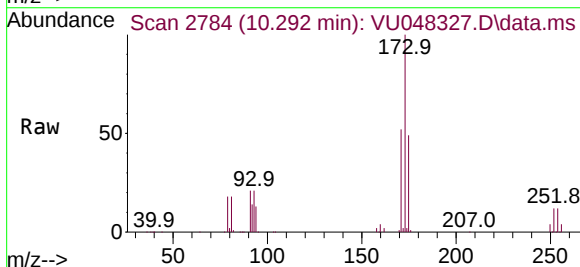
Tgt Ion:173 Resp: 184766

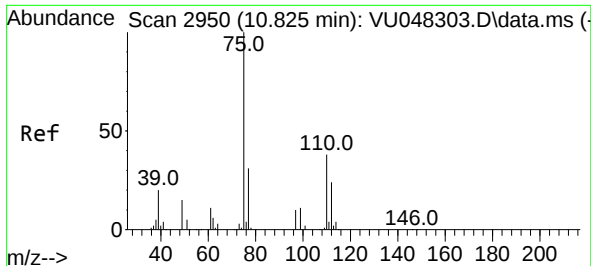
Ion Ratio Lower Upper

173 100

175 48.1 38.9 58.3

254 12.0 9.5 14.3

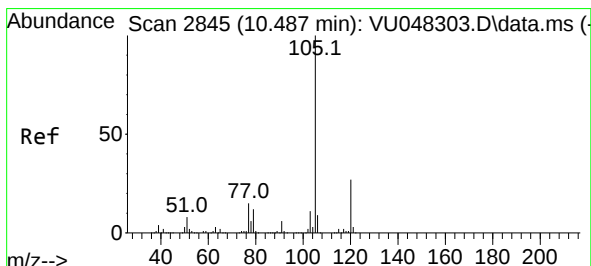
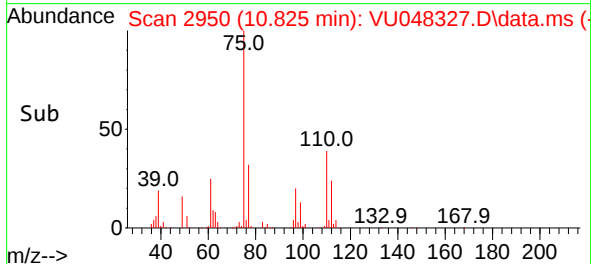
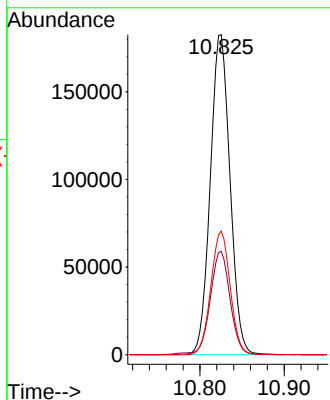
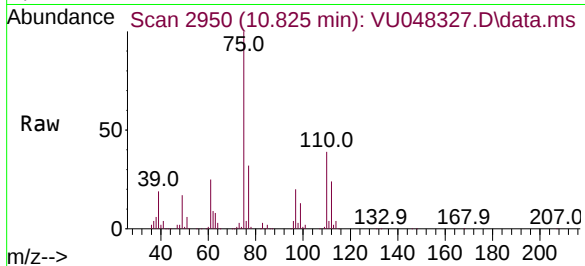




#60
1,2,3-Trichloropropane
Concen: 47.912 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

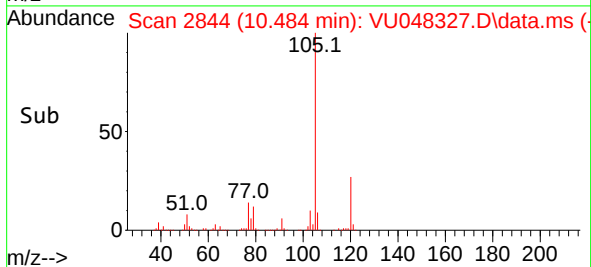
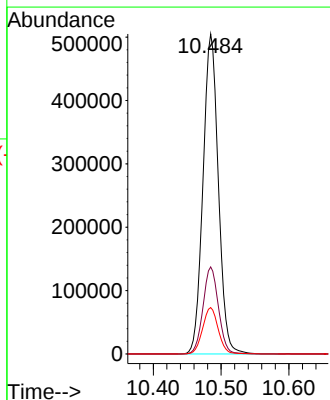
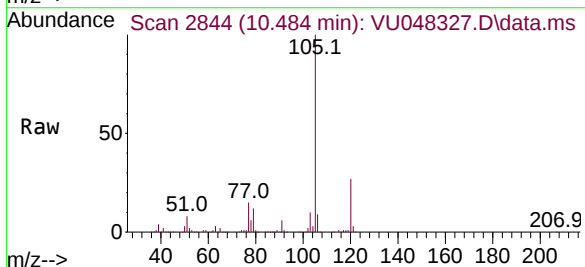
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

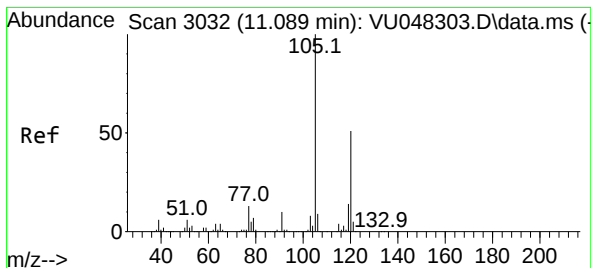
Tgt Ion: 75 Resp: 296495
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8
110 37.9 29.9 44.9



#61
Isopropylbenzene
Concen: 53.476 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion: 105 Resp: 793145
Ion Ratio Lower Upper
105 100
120 27.3 21.7 32.5
77 14.7 11.7 17.5





#62

1,3,5-Trimethylbenzene

Concen: 55.058 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU048327.D

Acq: 27 Apr 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

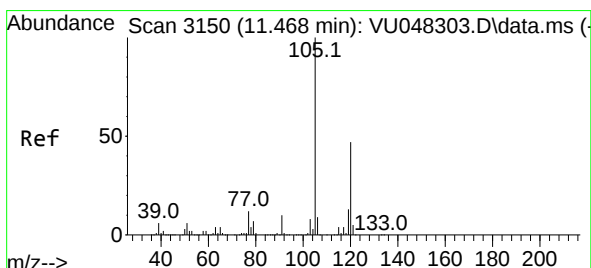
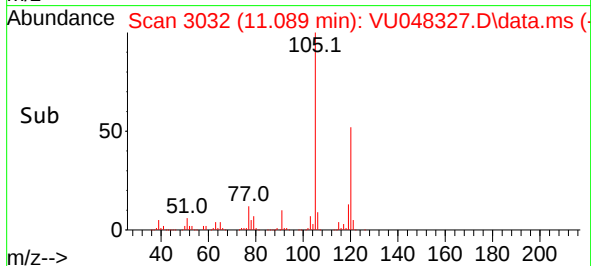
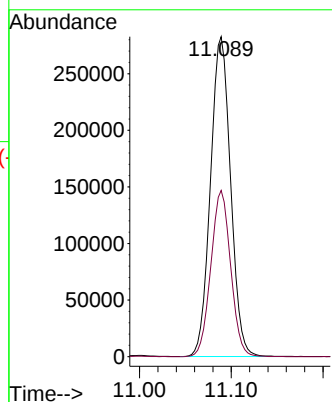
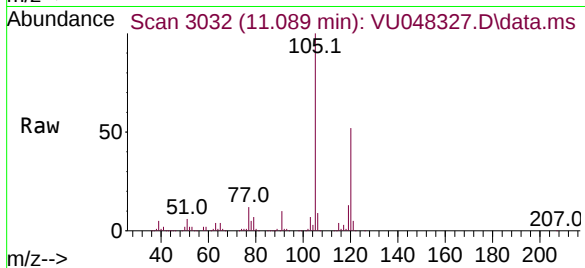
VSTD050104

Tgt Ion:105 Resp: 430409

Ion Ratio Lower Upper

105 100

120 51.1 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 56.376 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048327.D

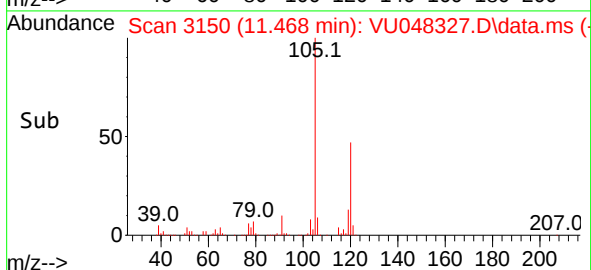
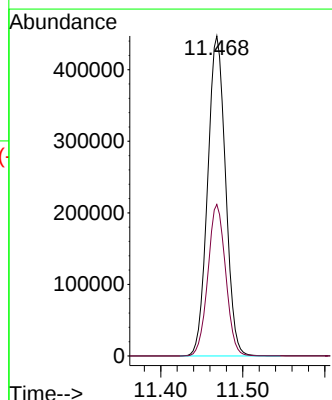
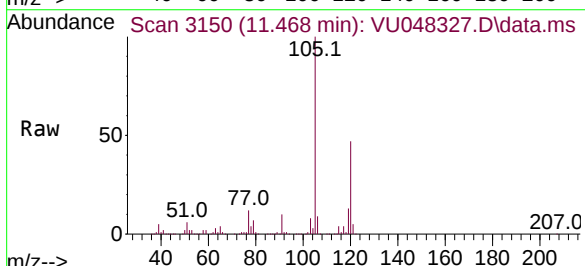
Acq: 27 Apr 2022 20:08

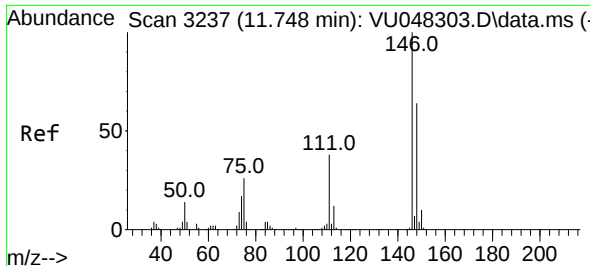
Tgt Ion:105 Resp: 677571

Ion Ratio Lower Upper

105 100

120 47.0 38.0 57.0

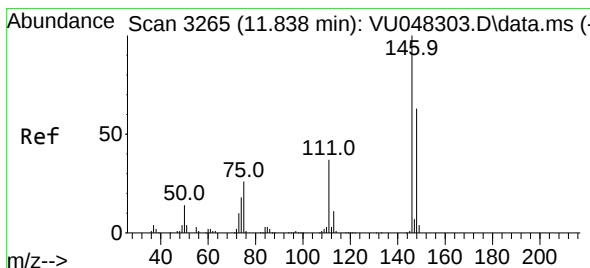
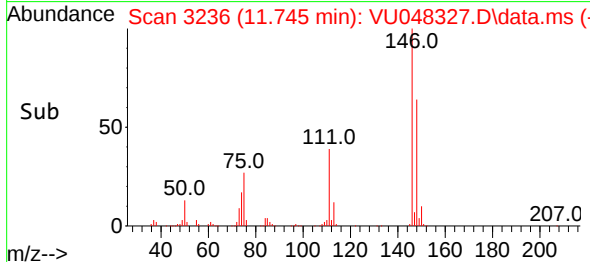
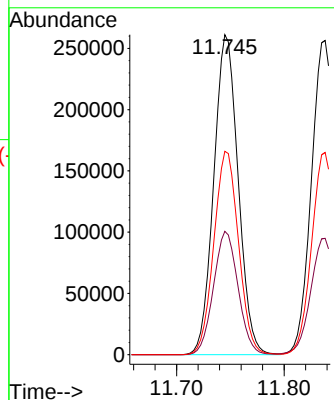
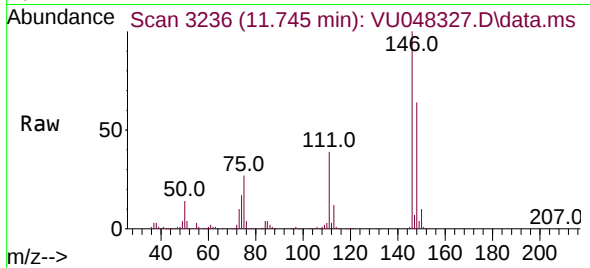




#64
1,3-Dichlorobenzene
Concen: 49.489 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

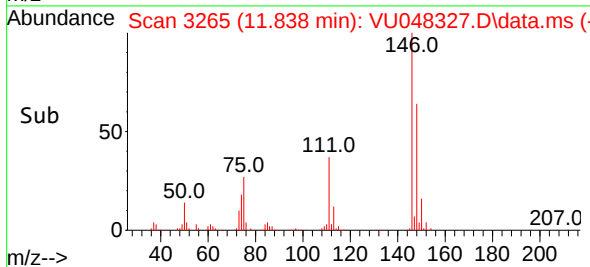
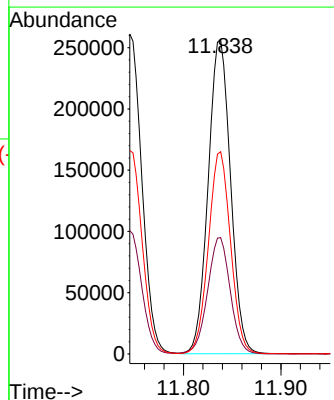
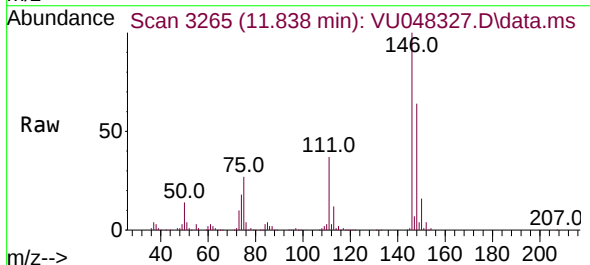
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

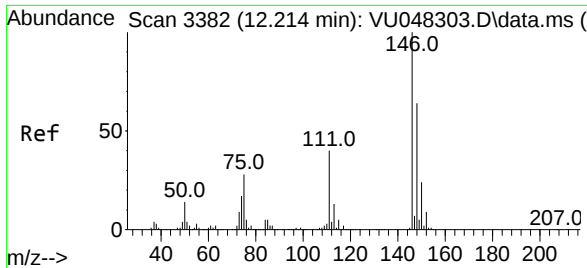
Tgt Ion:146 Resp: 411521
Ion Ratio Lower Upper
146 100
111 38.5 26.7 49.7
148 63.5 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 48.221 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion:146 Resp: 409351
Ion Ratio Lower Upper
146 100
111 37.0 25.9 48.1
148 64.4 45.1 83.7

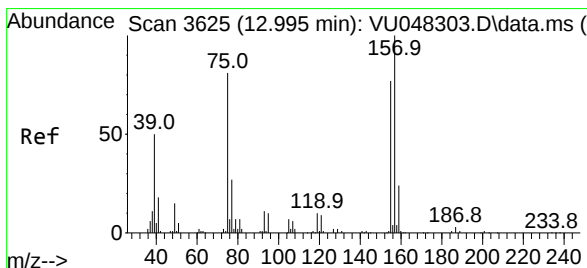
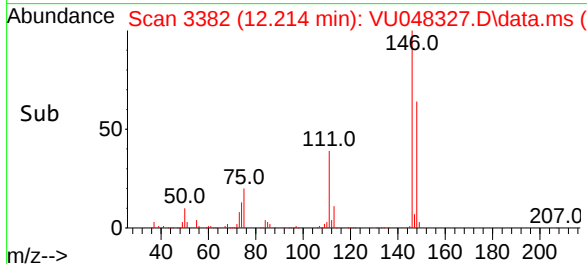
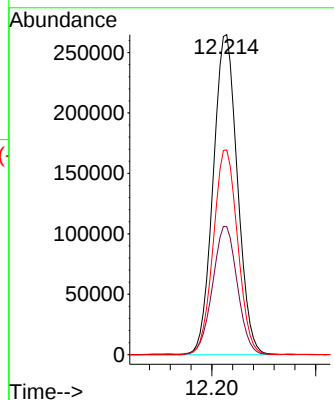
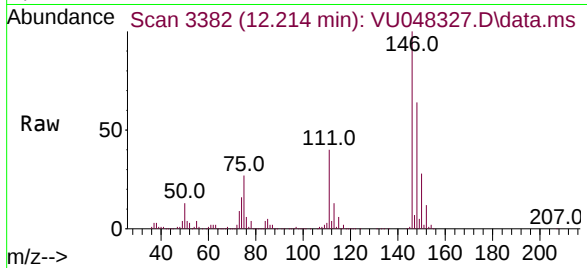




#67
 1,2-Dichlorobenzene
 Concen: 49.022 ug/L
 RT: 12.214 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

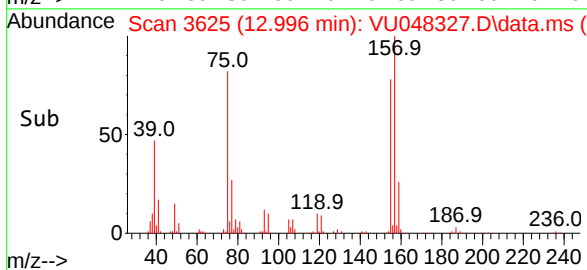
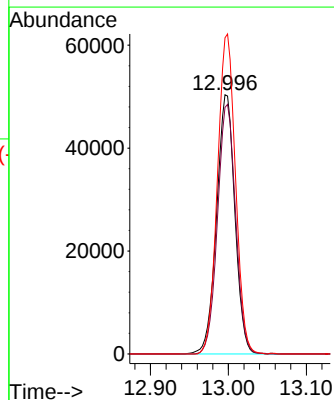
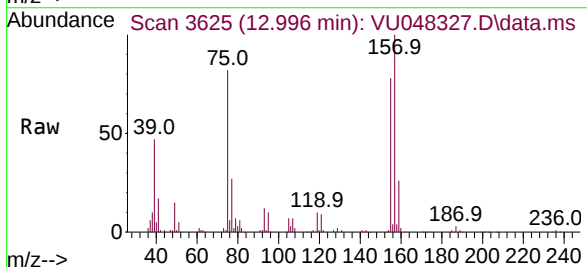
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

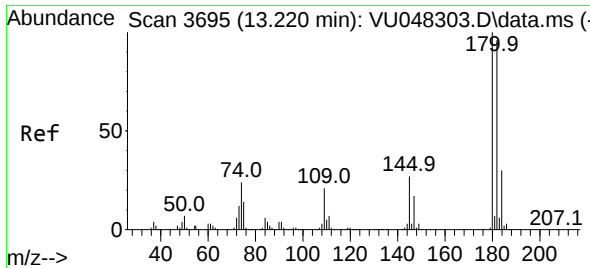
Tgt Ion:146 Resp: 429420
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.7 47.5
 148 64.0 50.9 76.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.773 ug/L
 RT: 12.996 min Scan# 3625
 Delta R.T. 0.000 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

Tgt Ion: 75 Resp: 82225
 Ion Ratio Lower Upper
 75 100
 155 95.1 71.8 107.6
 157 122.0 93.4 140.2



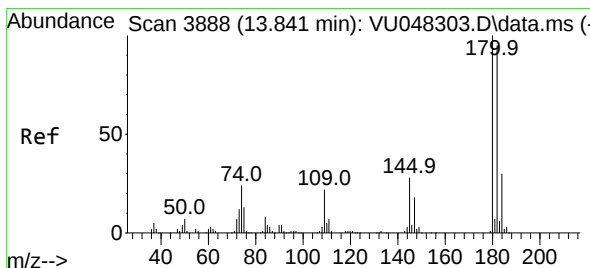
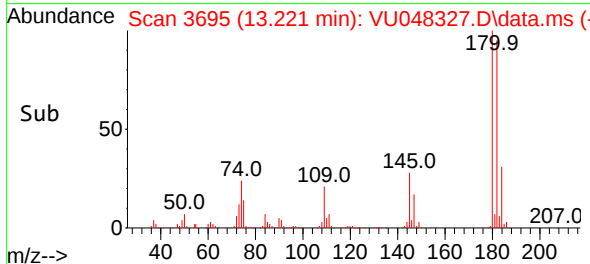
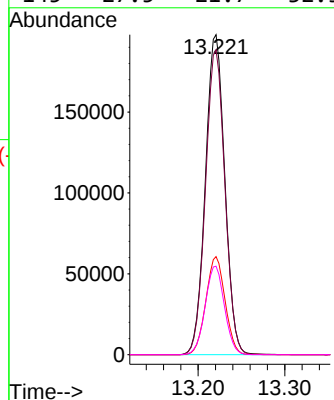
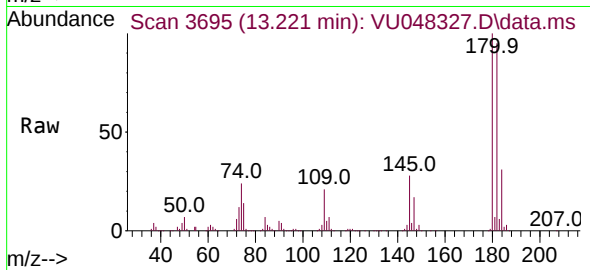


#69
 1,3,5-Trichlorobenzene
 Concen: 49.935 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Tgt Ion:180 Resp: 308544

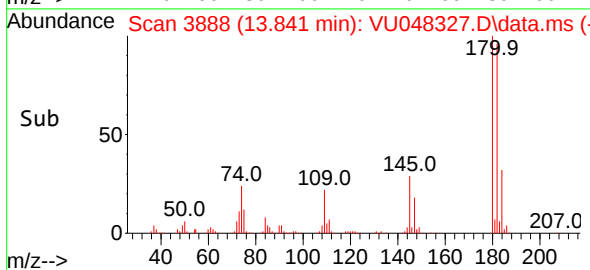
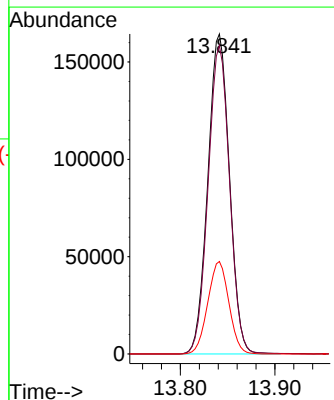
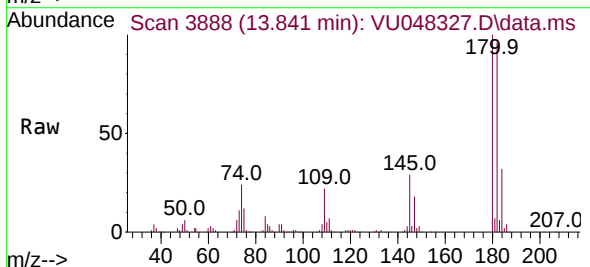
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.4
184	30.3	24.6	37.0
145	27.5	21.7	32.5

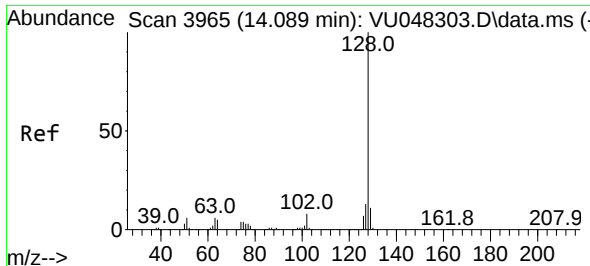


#70
 1,2,4-trichlorobenzene
 Concen: 53.530 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048327.D
 Acq: 27 Apr 2022 20:08

Tgt Ion:180 Resp: 261305

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
145	28.2	22.6	33.8

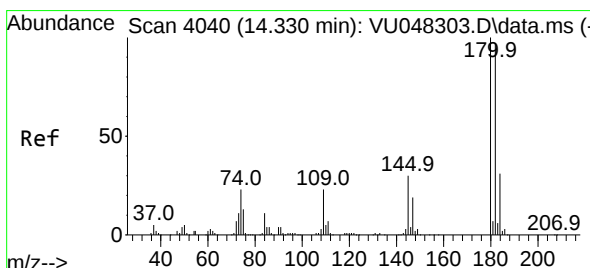
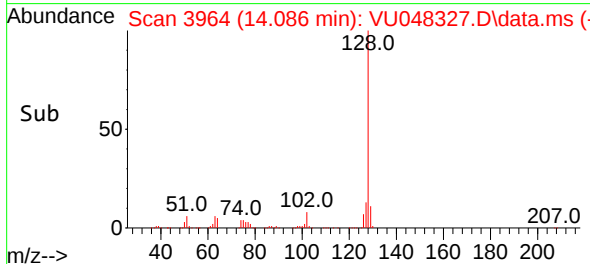
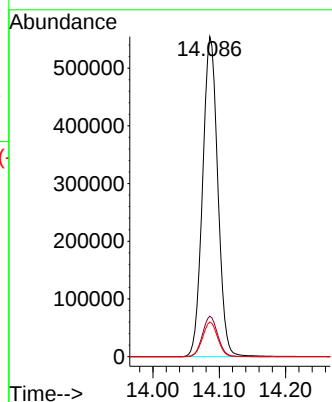
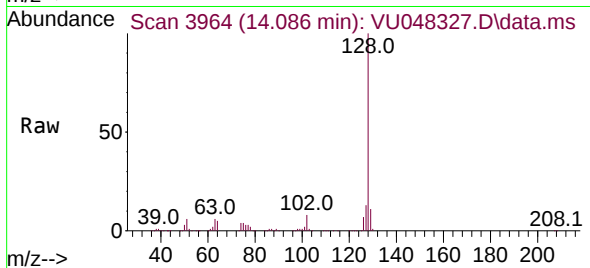




#71
Naphthalene
Concen: 63.107 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

Tgt Ion:128 Resp: 881595
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 55.290 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048327.D
Acq: 27 Apr 2022 20:08

Tgt Ion:180 Resp: 276596
Ion Ratio Lower Upper
180 100
182 96.0 75.8 113.6
145 29.5 23.5 35.3

