

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
 Data File : VU047743.D
 Acq On : 28 Mar 2022 21:08
 Operator : SY/MD
 Sample : VSTDCCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

Quant Time: Mar 29 01:48:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 29 01:43:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	362324	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	368969	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	224237	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	95208	36.236	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.480%
7) Chloroethane-d5	1.919	69	86554	41.778	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.560%
11) 1,1-Dichloroethene-d2	2.575	63	195775	40.726	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.460%
21) 2-Butanone-d5	4.639	46	248590	110.230	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.230%
24) Chloroform-d	5.067	84	222228	46.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
26) 1,2-Dichloroethane-d4	5.703	65	138771	47.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.120%
32) Benzene-d6	5.729	84	415713	44.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.560%
36) 1,2-Dichloropropane-d6	6.694	67	134071	47.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.040%
41) Toluene-d8	7.899	98	392056	43.342	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.680%
43) trans-1,3-Dichloroprop...	8.179	79	66705	46.178	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.360%
47) 2-Hexanone-d5	8.636	63	187748	112.481	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.480%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	249699	51.029	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.060%
66) 1,2-Dichlorobenzene-d4	12.192	152	183502	45.997	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	175396	52.215	ug/L	99
3) Chloromethane	1.527	50	166098	51.705	ug/L	99
5) Vinyl chloride	1.607	62	169565	51.755	ug/L	96
6) Bromomethane	1.864	94	97731	55.422	ug/L	99
8) Chloroethane	1.938	64	104175	50.651	ug/L	98
9) Trichlorofluoromethane	2.144	101	232530	50.331	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	138665	51.924	ug/L	98
12) 1,1-Dichloroethene	2.584	96	127294	51.217	ug/L	89
13) Acetone	2.658	43	171947	81.931	ug/L	97
14) Carbon disulfide	2.800	76	372927	47.469	ug/L	99
15) Methyl Acetate	2.961	43	182016	54.389	ug/L	98
16) Methylene chloride	3.051	84	151996	53.294	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	138149	51.534	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	416415	55.060	ug/L	100
19) 1,1-Dichloroethane	3.874	63	247136	53.454	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	156071	53.105	ug/L	96
22) 2-Butanone	4.719	43	273447	101.148	ug/L	97
23) Bromochloromethane	4.977	128	86904	53.857	ug/L	98
25) Chloroform	5.092	83	270249	54.293	ug/L	98

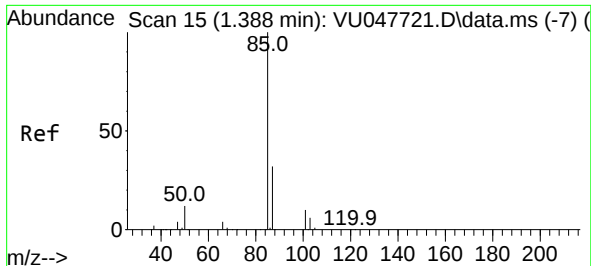
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	205477	53.431	ug/L	99
29) Cyclohexane	5.391	56	201581	53.841	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	228588	54.637	ug/L	99
31) Carbon tetrachloride	5.526	117	203249	53.799	ug/L	99
33) Benzene	5.777	78	586618	54.927	ug/L	100
34) Trichloroethene	6.542	95	152222	54.366	ug/L	99
35) Methylcyclohexane	6.764	83	228945	53.748	ug/L	99
37) 1,2-Dichloropropane	6.793	63	151461	55.787	ug/L	100
38) Bromodichloromethane	7.105	83	207172	55.568	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	232860	55.276	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	479970	111.854	ug/L	100
42) Toluene	7.970	91	650090	55.476	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	233408	55.492	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	158697	55.114	ug/L	98
46) Tetrachloroethene	8.555	164	132620	52.708	ug/L	98
48) 2-Hexanone	8.687	43	404425	109.569	ug/L	99
49) Dibromochloromethane	8.809	129	182929	54.851	ug/L	99
50) 1,2-Dibromoethane	8.925	107	179265	55.533	ug/L	100
51) Chlorobenzene	9.446	112	432006	54.295	ug/L	99
52) Ethylbenzene	9.571	91	684687	55.569	ug/L	99
53) m,p-Xylene	9.693	106	274617	56.801	ug/L	100
54) o-Xylene	10.102	106	265450	55.942	ug/L	99
55) Styrene	10.115	104	459718	56.745	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	296826	54.987	ug/L	99
59) Bromoform	10.291	173	156127	54.450	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	234233	55.410	ug/L	99
61) Isopropylbenzene	10.484	105	676238	55.800	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	365482	55.583	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	569375	57.007	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	357904	53.134	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	360891	51.725	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	360948	53.554	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	73201	54.059	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	281749	51.503	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	250815	52.344	ug/L	100
71) Naphthalene	14.086	128	789311	55.251	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	254904	53.066	ug/L	99

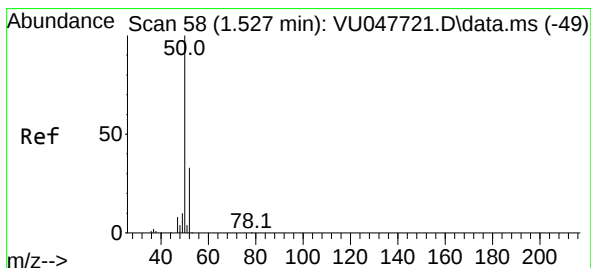
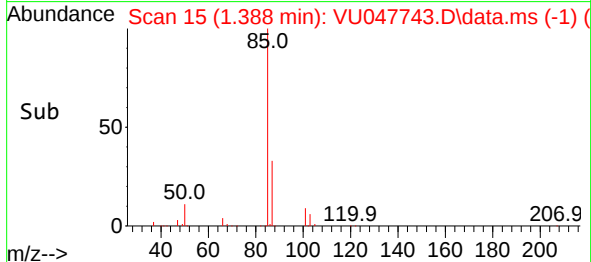
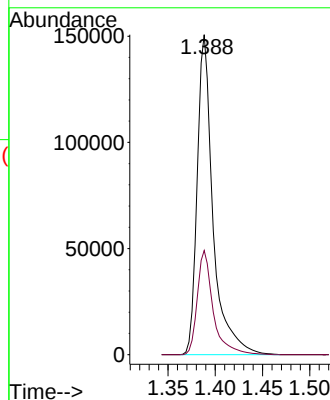
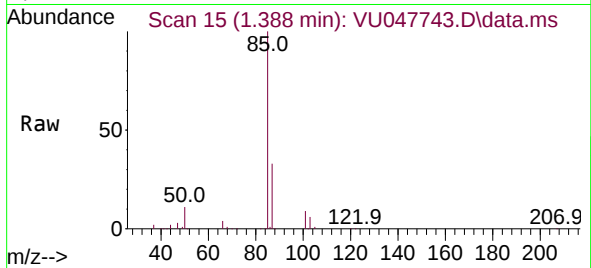
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 52.215 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

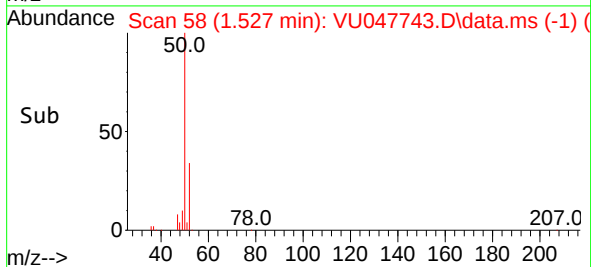
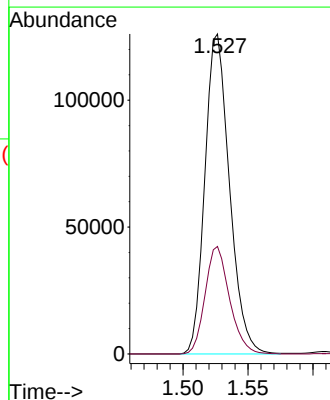
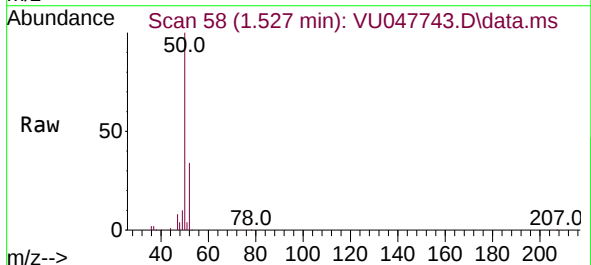
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

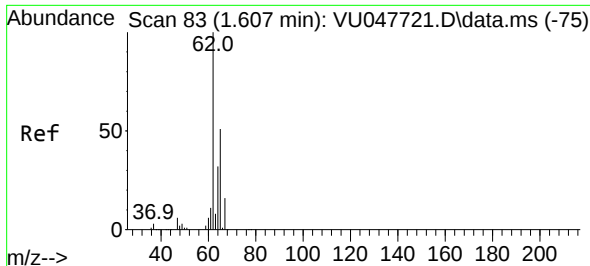
Tgt Ion: 85 Resp: 175396
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.8



#3
Chloromethane
Concen: 51.705 ug/L
RT: 1.527 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 50 Resp: 166098
Ion Ratio Lower Upper
50 100
52 33.6 23.2 43.2

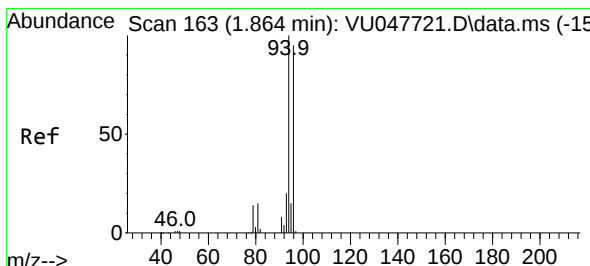
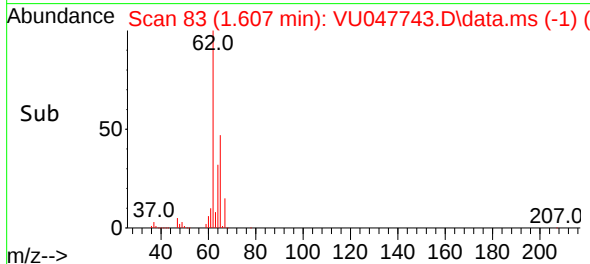
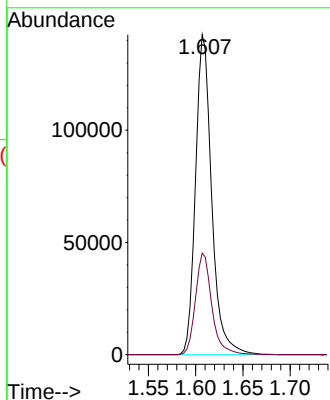
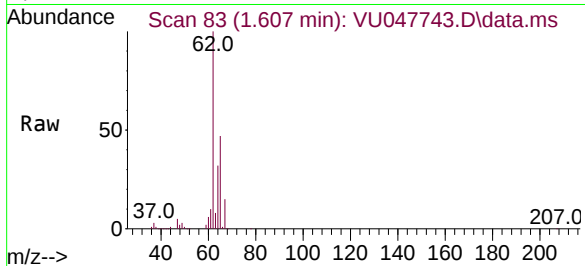




#5
 Vinyl chloride
 Concen: 51.755 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU047743.D
 Acq: 28 Mar 2022 21:08

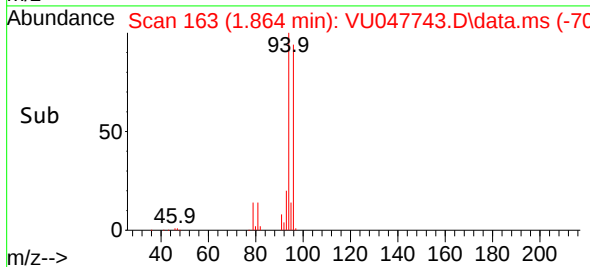
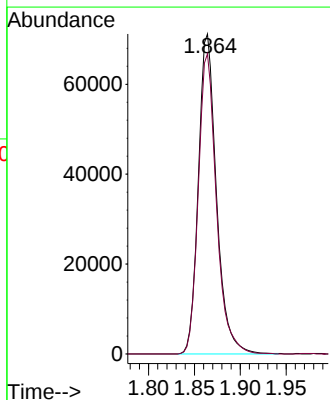
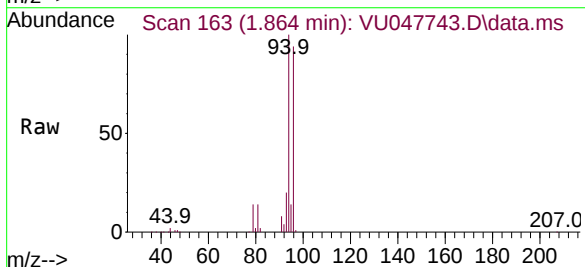
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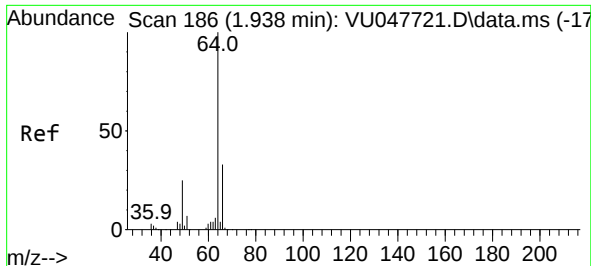
Tgt Ion: 62 Resp: 169565
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.7 43.9



#6
 Bromomethane
 Concen: 55.422 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU047743.D
 Acq: 28 Mar 2022 21:08

Tgt Ion: 94 Resp: 97731
 Ion Ratio Lower Upper
 94 100
 96 93.8 64.8 120.3

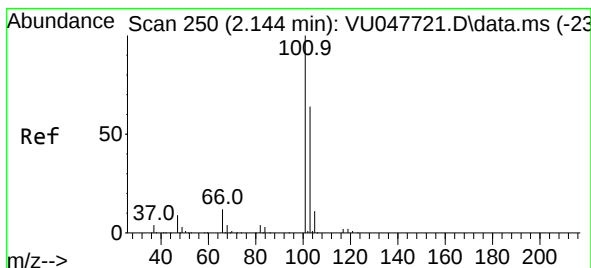
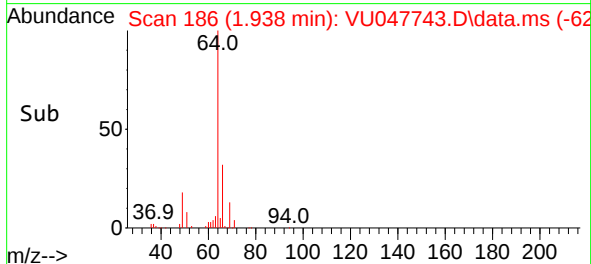
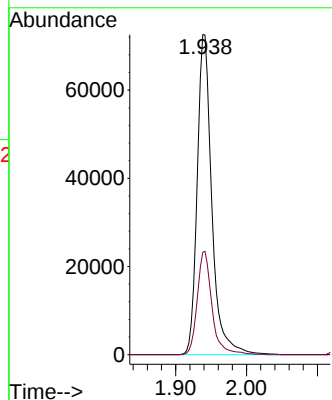
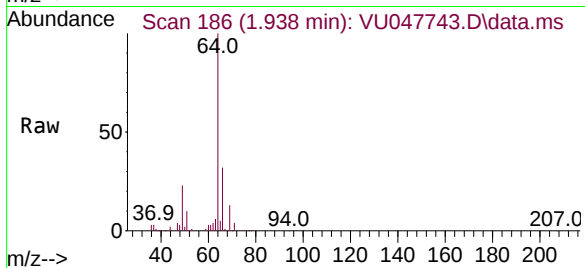




#8
Chloroethane
Concen: 50.651 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

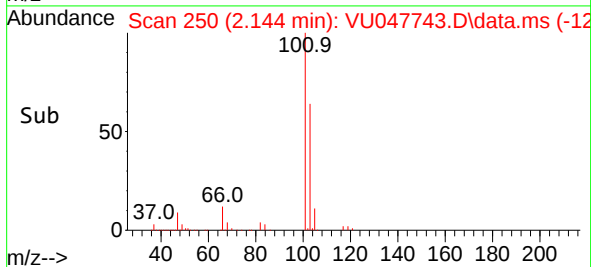
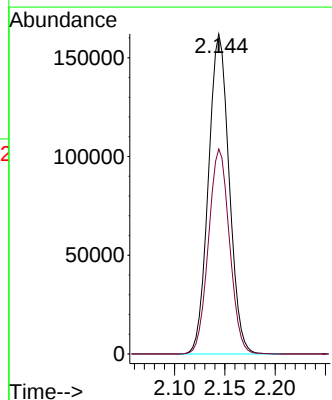
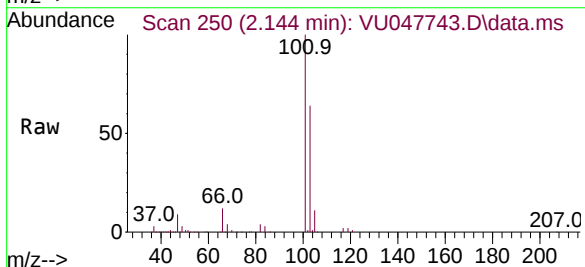
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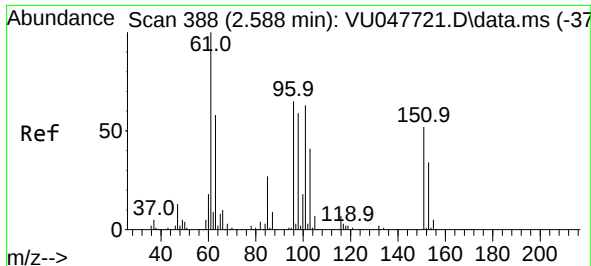
Tgt Ion: 64 Resp: 104175
Ion Ratio Lower Upper
64 100
66 32.0 23.3 43.3



#9
Trichlorofluoromethane
Concen: 50.331 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion:101 Resp: 232530
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2

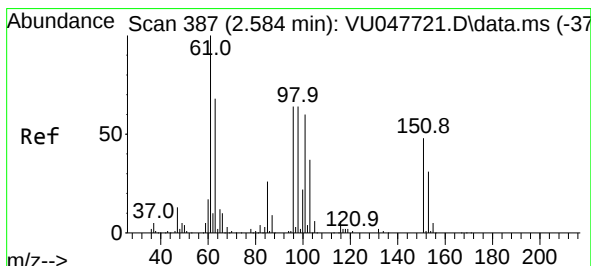
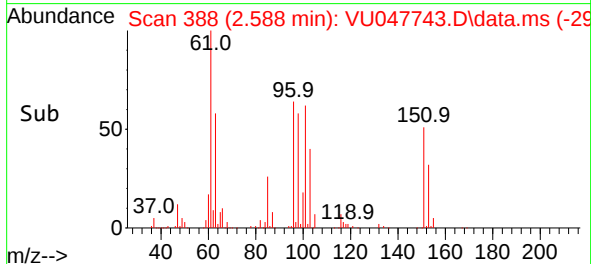
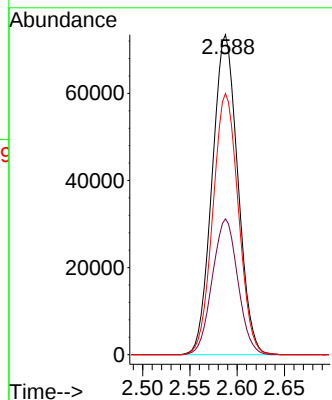
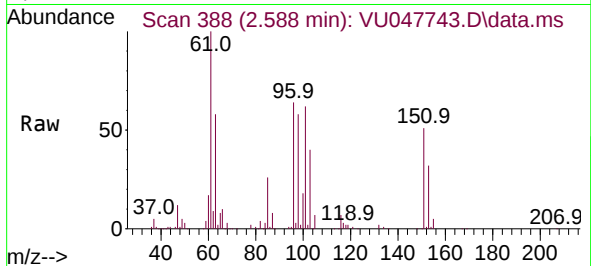




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.924 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU047743.D
 Acq: 28 Mar 2022 21:08

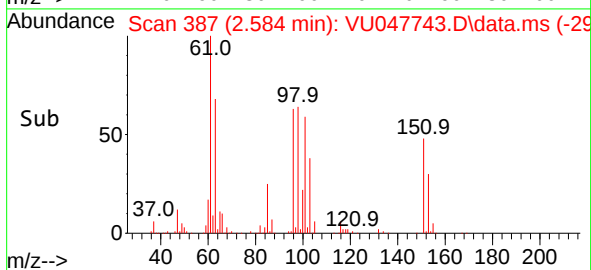
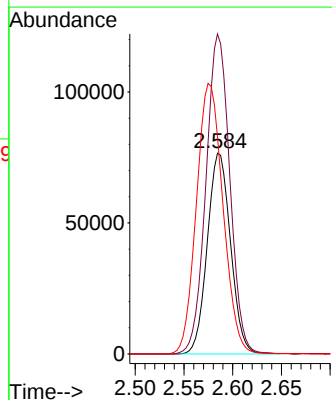
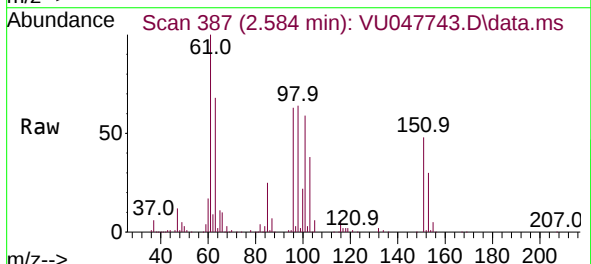
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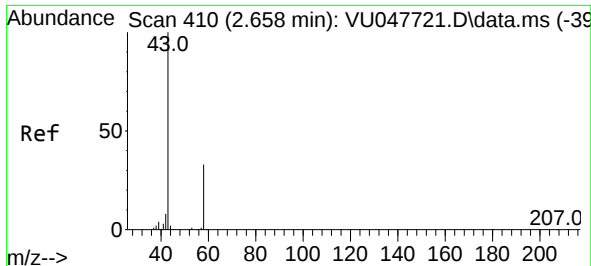
Tgt Ion:101 Resp: 138665
 Ion Ratio Lower Upper
 101 100
 85 42.2 32.8 49.2
 151 81.1 63.0 94.6



#12
 1,1-Dichloroethene
 Concen: 51.217 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU047743.D
 Acq: 28 Mar 2022 21:08

Tgt Ion: 96 Resp: 127294
 Ion Ratio Lower Upper
 96 100
 61 159.4 113.1 210.1
 63 108.2 94.8 176.0





#13

Acetone

Concen: 81.931 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

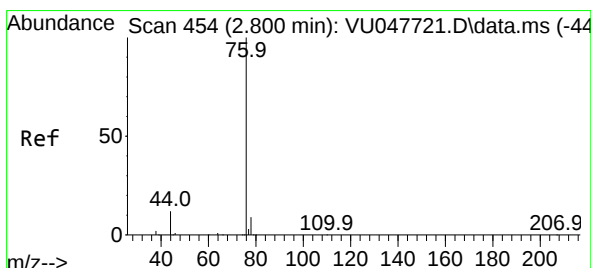
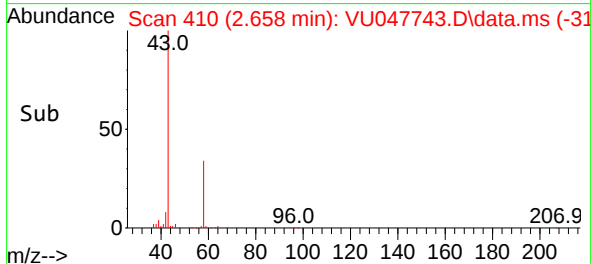
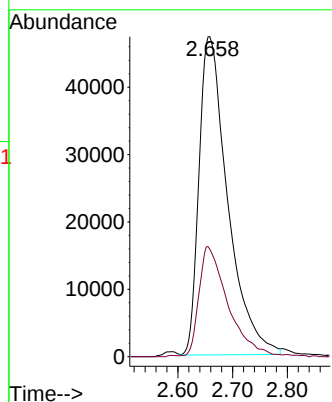
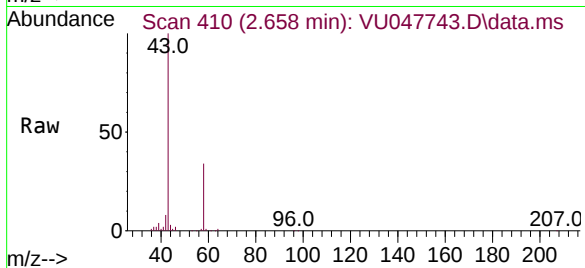
VSTD050182

Tgt Ion: 43 Resp: 171947

Ion Ratio Lower Upper

43 100

58 33.4 0.0 70.0



#14

Carbon disulfide

Concen: 47.469 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047743.D

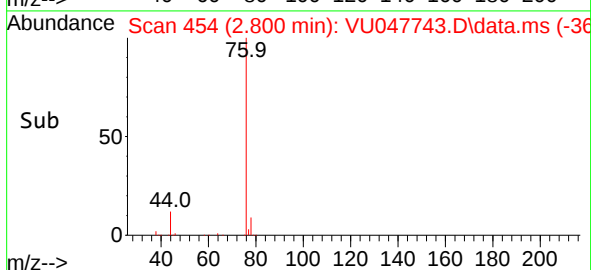
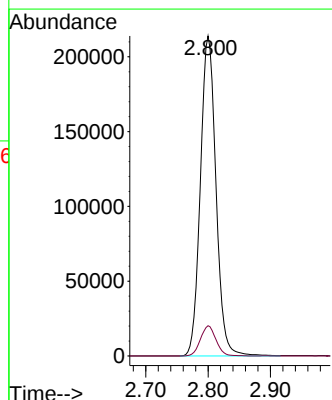
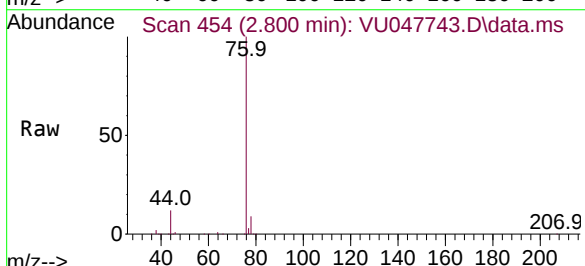
Acq: 28 Mar 2022 21:08

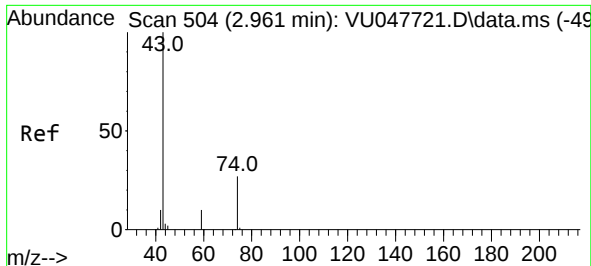
Tgt Ion: 76 Resp: 372927

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

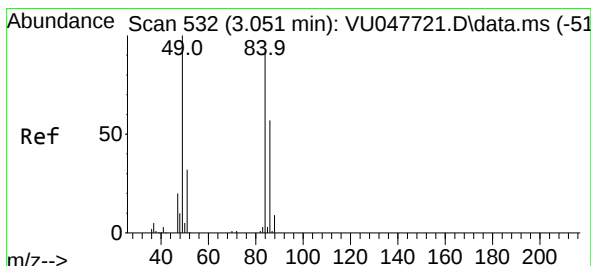
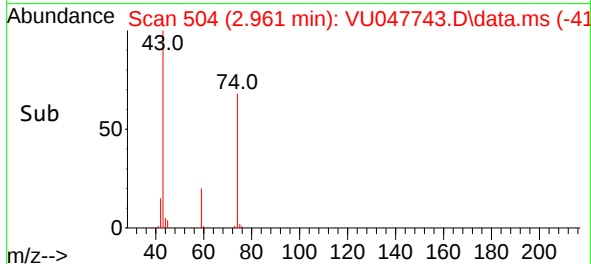
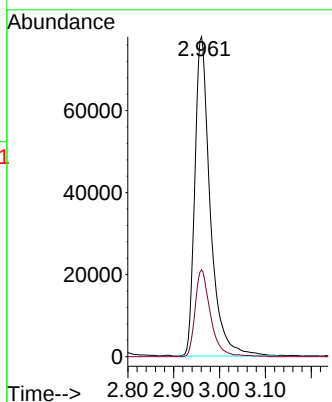
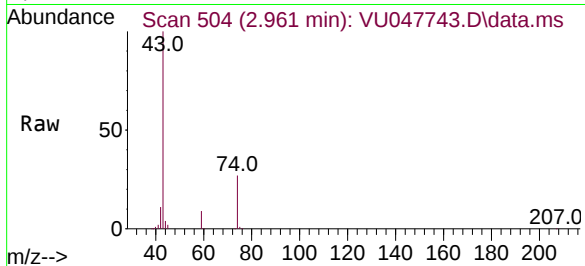




#15
Methyl Acetate
Concen: 54.389 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

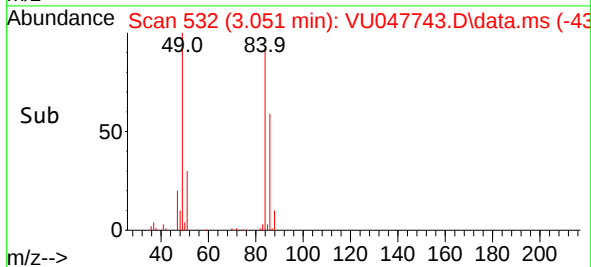
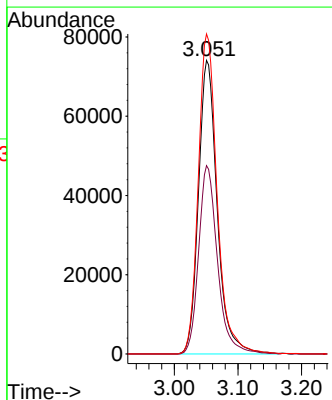
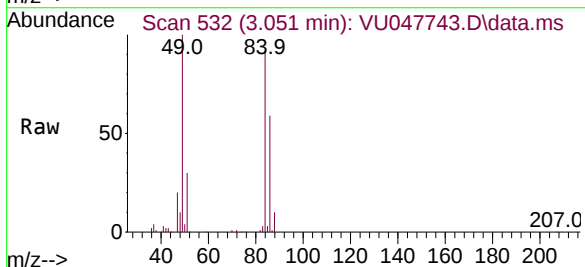
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

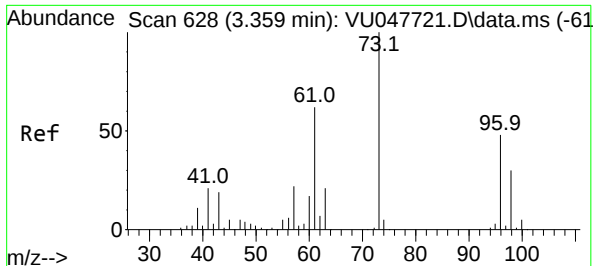
Tgt Ion: 43 Resp: 182016
Ion Ratio Lower Upper
43 100
74 26.7 22.2 33.2



#16
Methylene chloride
Concen: 53.294 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 84 Resp: 151996
Ion Ratio Lower Upper
84 100
86 64.2 46.0 85.4
49 109.0 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 51.534 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

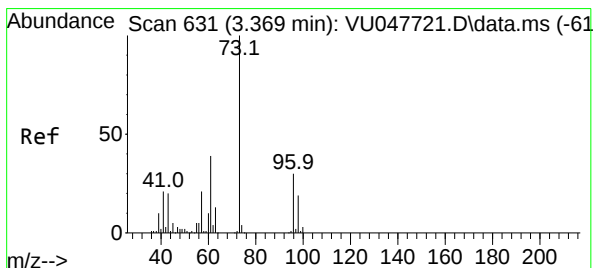
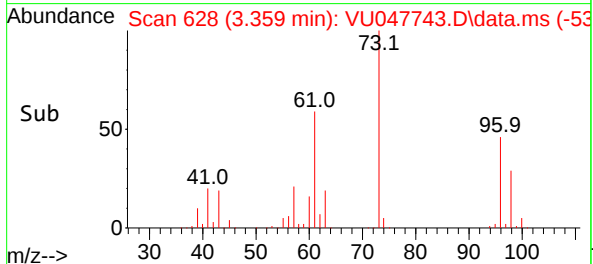
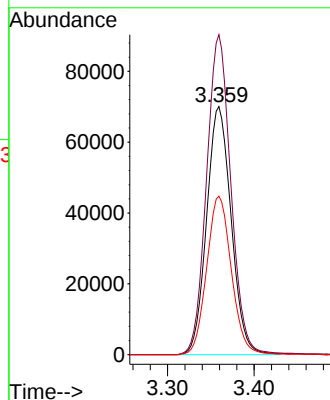
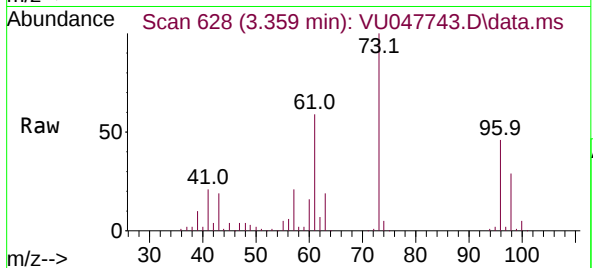
Tgt Ion: 96 Resp: 138149

Ion Ratio Lower Upper

96 100

61 129.0 88.4 164.2

98 63.9 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 55.060 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

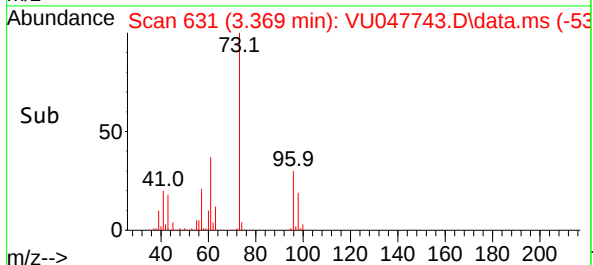
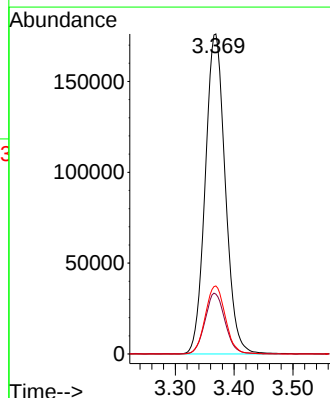
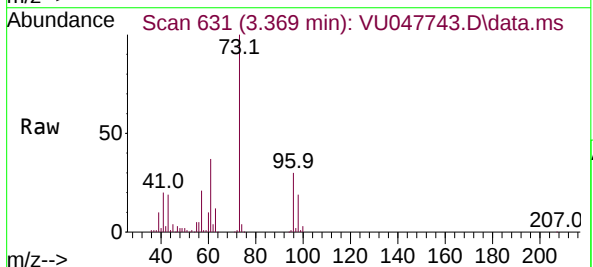
Tgt Ion: 73 Resp: 416415

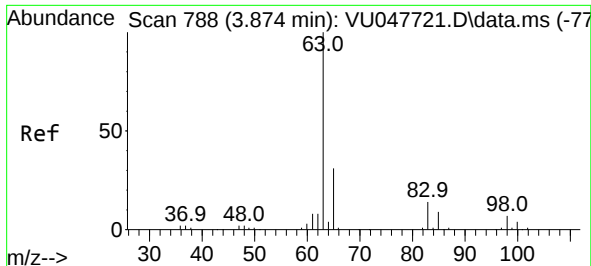
Ion Ratio Lower Upper

73 100

43 18.9 15.3 22.9

57 21.3 17.0 25.6





#19

1,1-Dichloroethane

Concen: 53.454 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

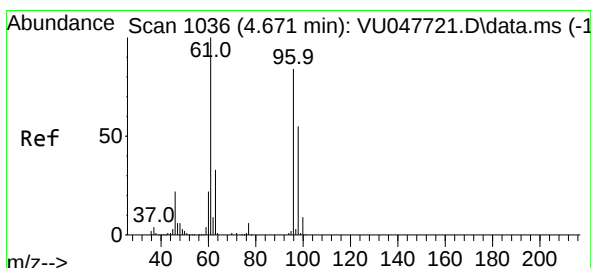
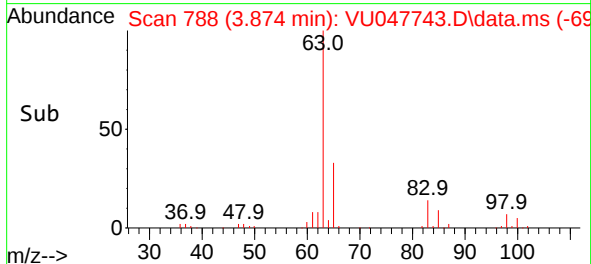
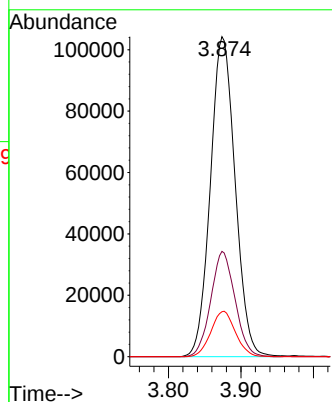
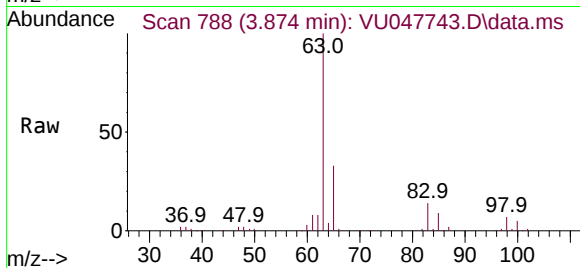
Tgt Ion: 63 Resp: 247136

Ion Ratio Lower Upper

63 100

65 32.9 22.0 41.0

83 14.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 53.105 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

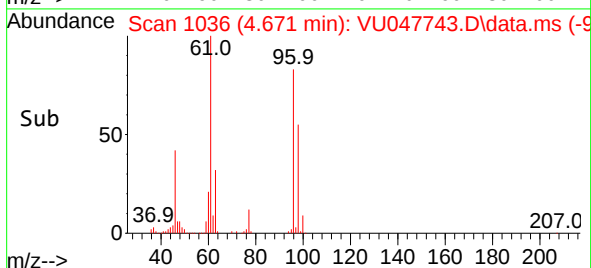
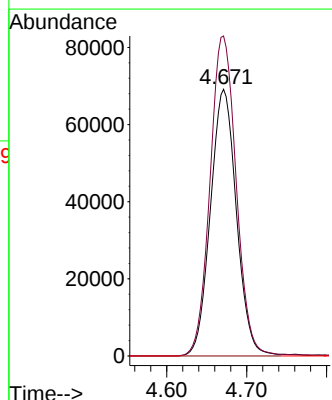
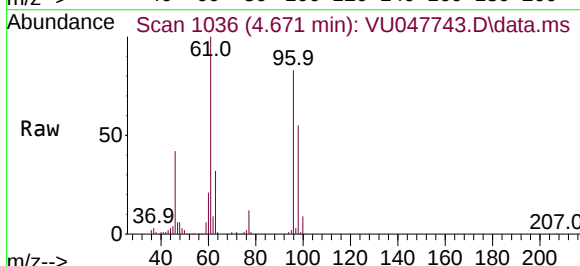
Tgt Ion: 96 Resp: 156071

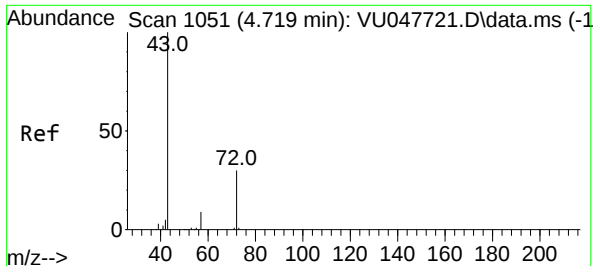
Ion Ratio Lower Upper

96 100

61 119.9 80.7 149.9

68 0.0 0.0 0.0

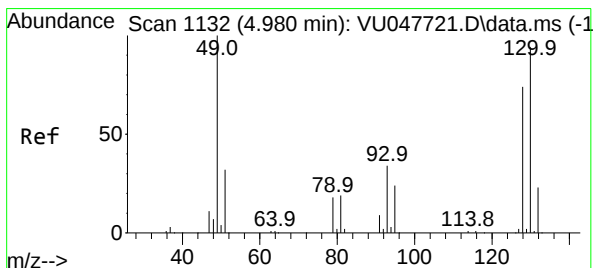
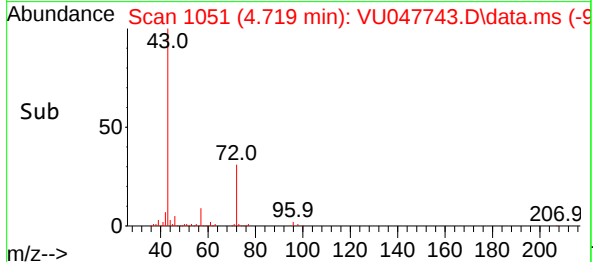
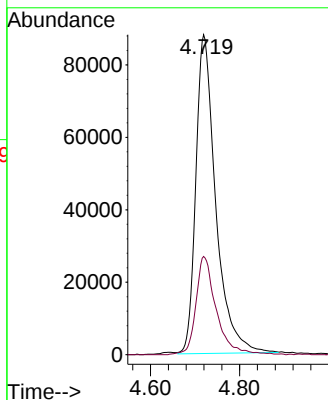
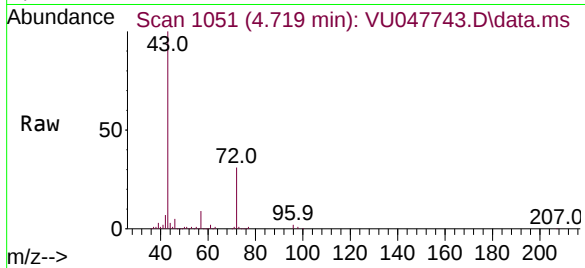




#22
2-Butanone
Concen: 101.148 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

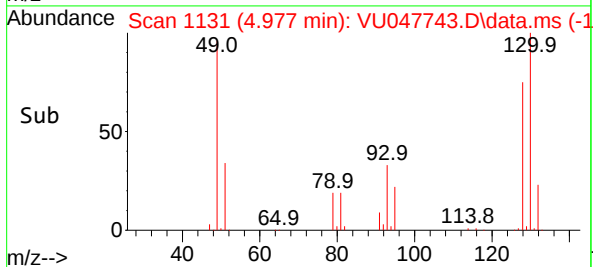
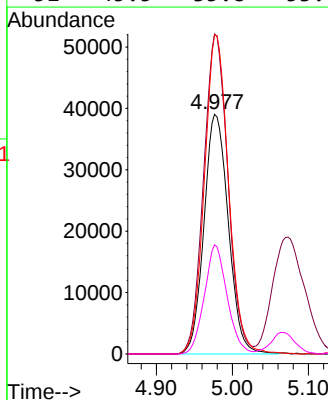
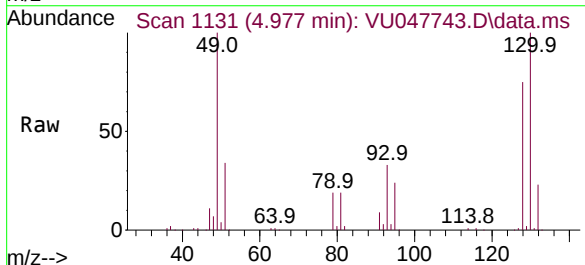
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

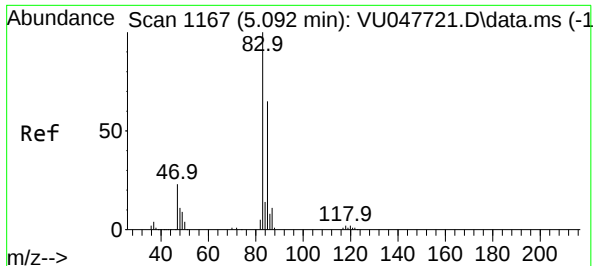
Tgt Ion: 43 Resp: 273447
Ion Ratio Lower Upper
43 100
72 30.0 16.0 47.9



#23
Bromochloromethane
Concen: 53.857 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 128 Resp: 86904
Ion Ratio Lower Upper
128 100
49 133.6 94.1 174.8
130 133.2 90.2 167.4
51 45.5 35.8 53.6





#25

Chloroform

Concen: 54.293 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

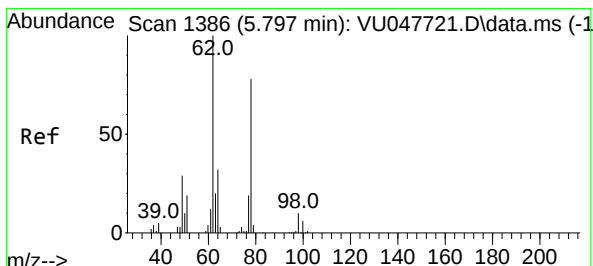
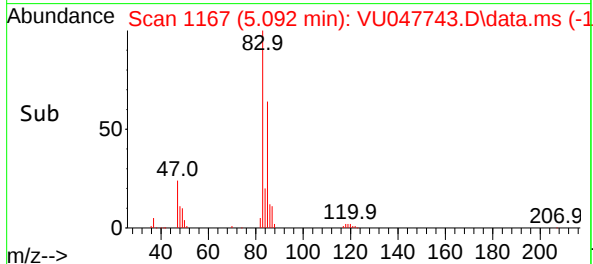
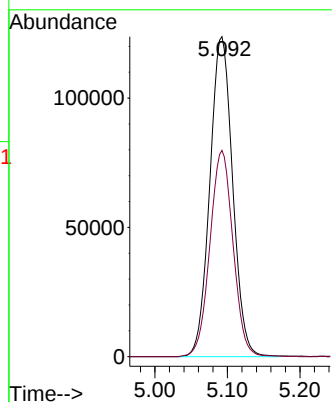
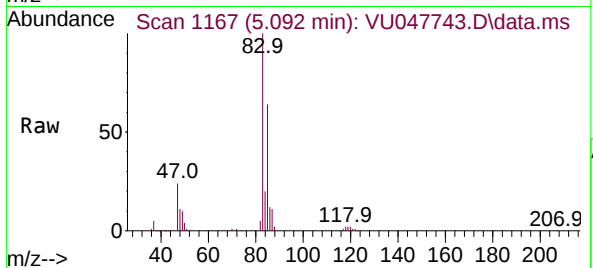
VSTD050182

Tgt Ion: 83 Resp: 270249

Ion Ratio Lower Upper

83 100

85 64.5 46.2 85.8



#27

1,2-Dichloroethane

Concen: 53.431 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU047743.D

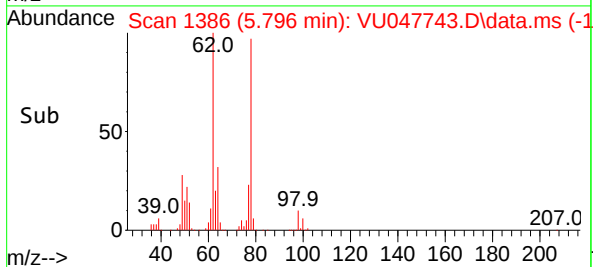
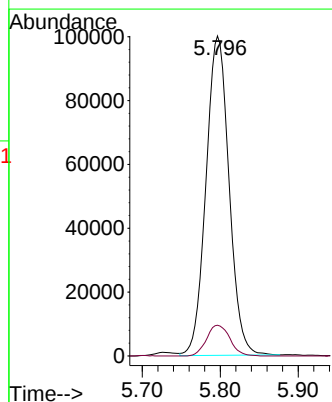
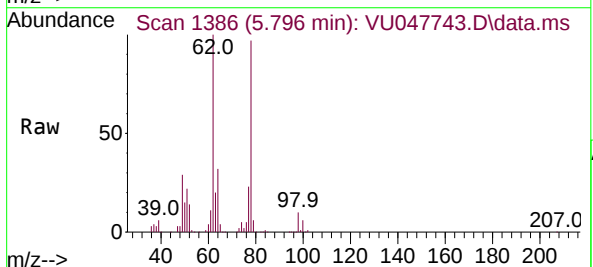
Acq: 28 Mar 2022 21:08

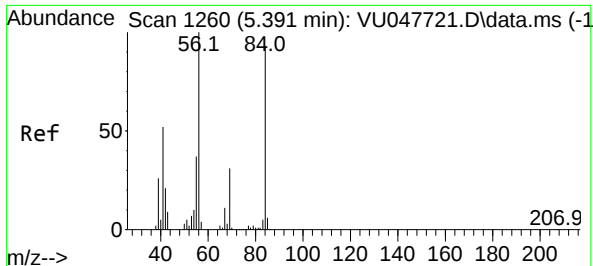
Tgt Ion: 62 Resp: 205477

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 53.841 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

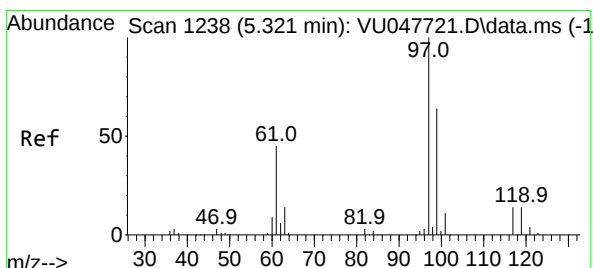
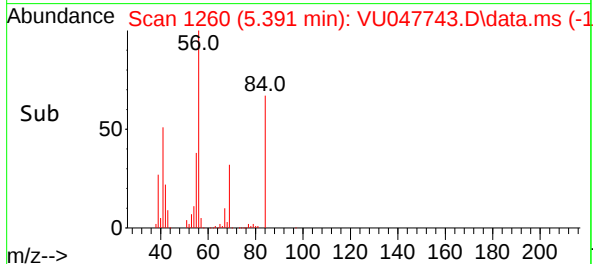
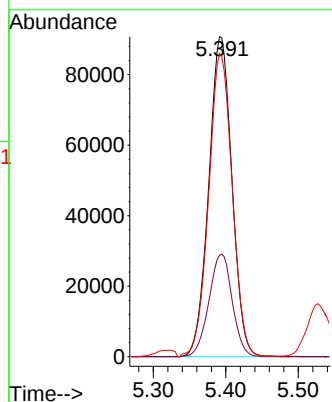
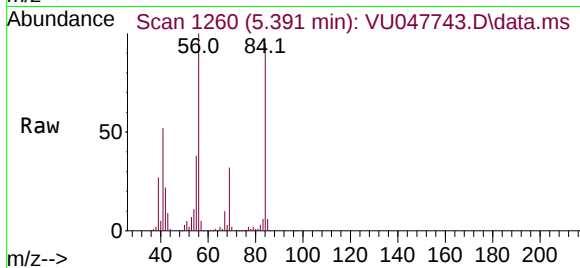
Tgt Ion: 56 Resp: 201581

Ion Ratio Lower Upper

56 100

69 32.2 25.4 38.2

84 96.0 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 54.637 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

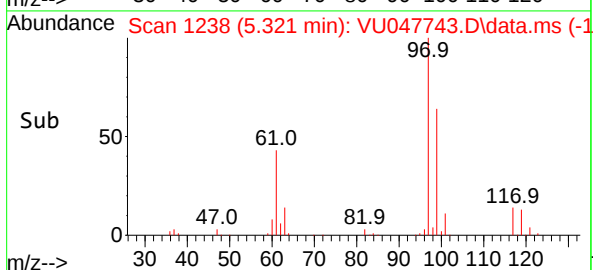
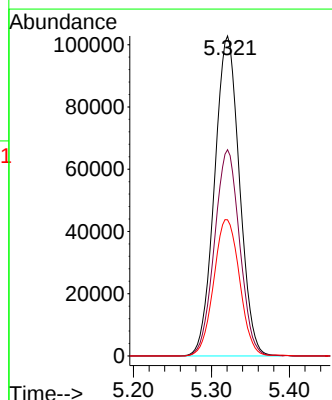
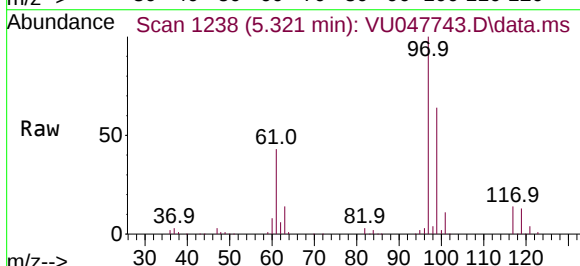
Tgt Ion: 97 Resp: 228588

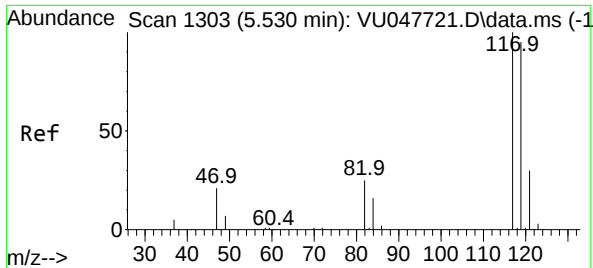
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 44.2 34.2 51.4

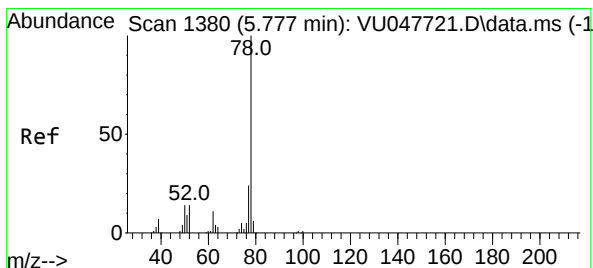
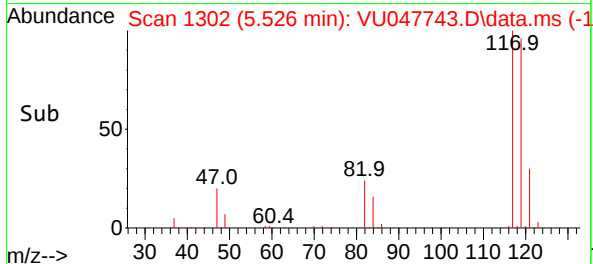
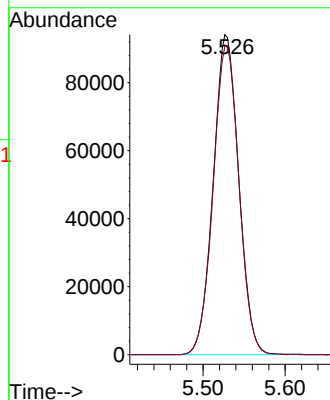
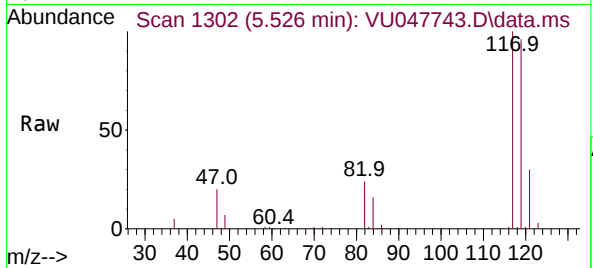




#31
Carbon tetrachloride
Concen: 53.799 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

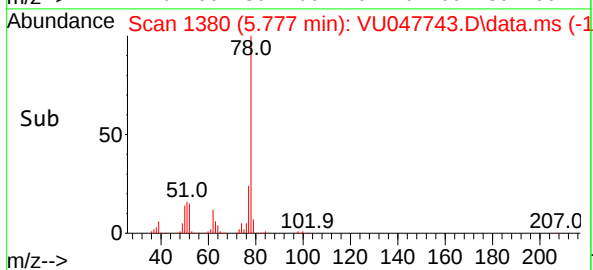
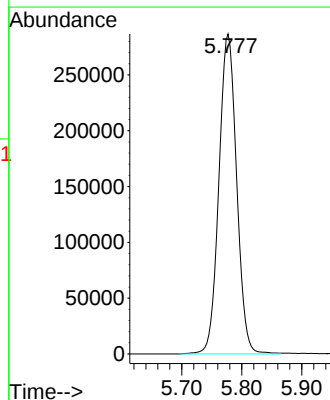
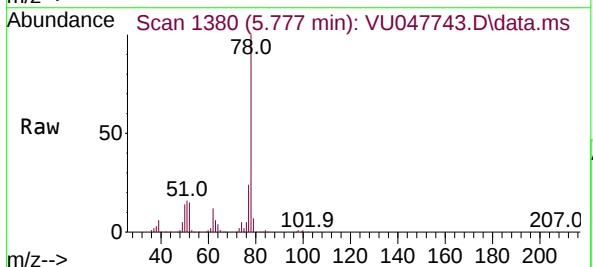
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

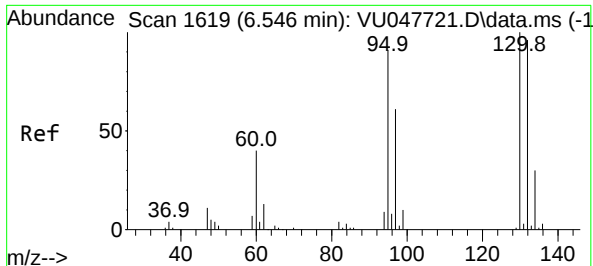
Tgt Ion:117 Resp: 203249
Ion Ratio Lower Upper
117 100
119 97.7 77.2 115.8



#33
Benzene
Concen: 54.927 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 78 Resp: 586618

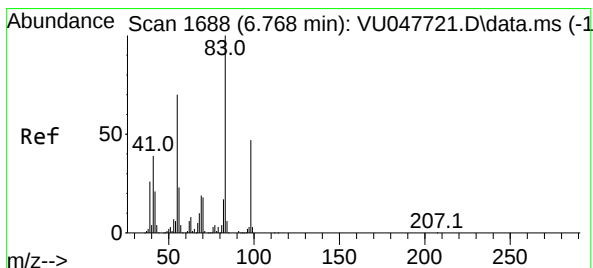
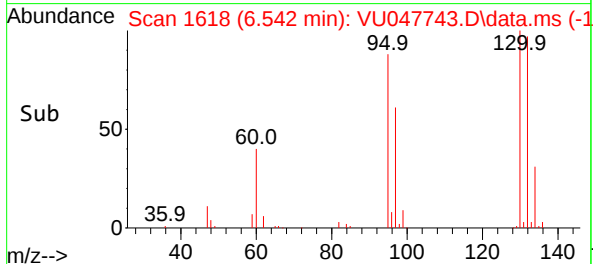
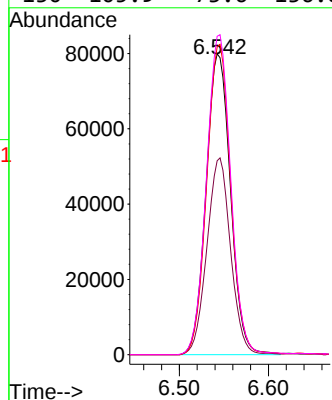
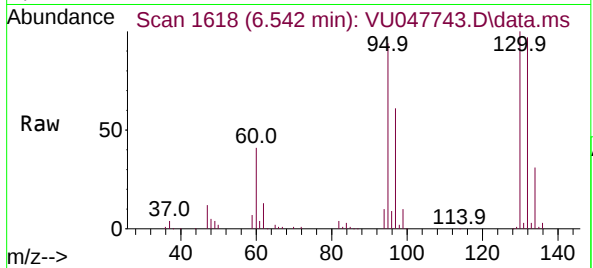




#34
Trichloroethene
Concen: 54.366 ug/L
RT: 6.542 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

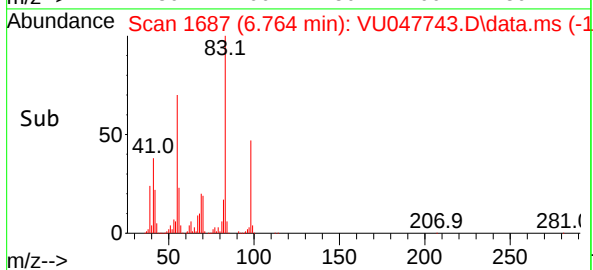
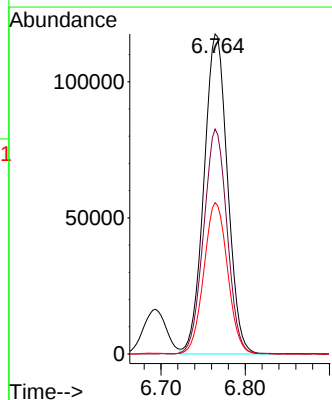
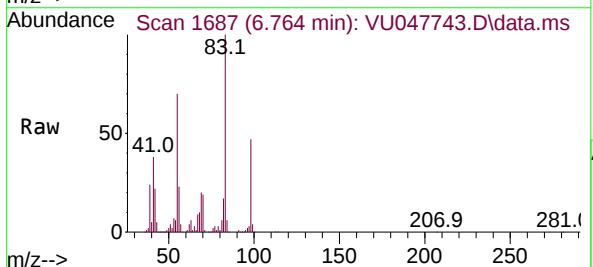
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

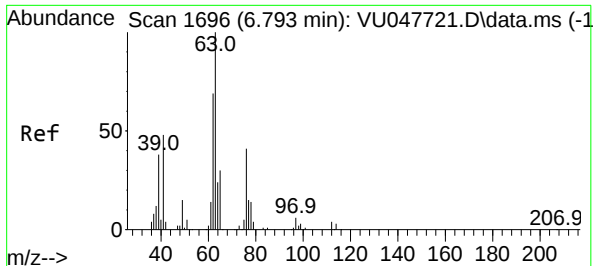
Tgt Ion: 95 Resp: 152222
Ion Ratio Lower Upper
95 100
97 64.5 44.7 82.9
132 102.3 70.4 130.8
130 105.9 73.6 136.8



#35
Methylcyclohexane
Concen: 53.748 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 83 Resp: 228945
Ion Ratio Lower Upper
83 100
55 70.0 56.8 85.2
98 47.7 38.1 57.1





#37

1,2-Dichloropropane

Concen: 55.787 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

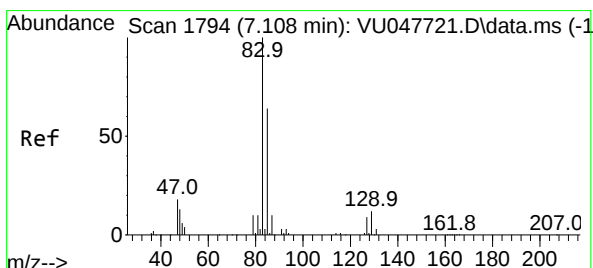
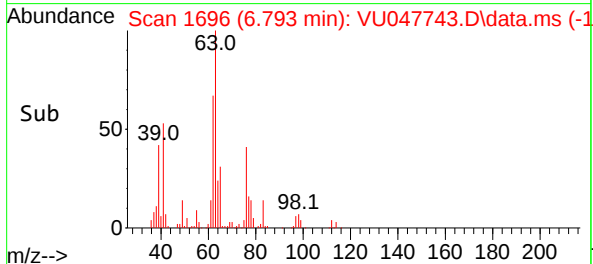
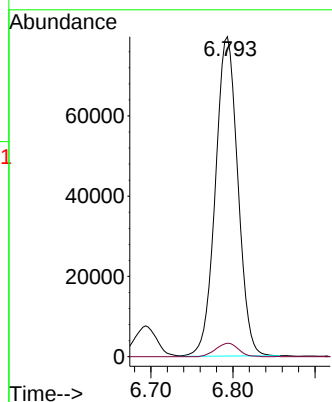
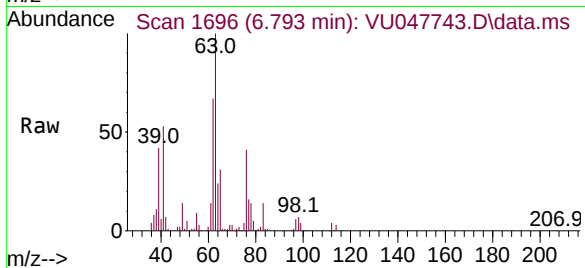
VSTD050182

Tgt Ion: 63 Resp: 151461

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 55.568 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

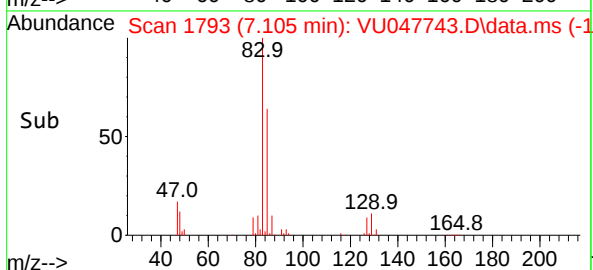
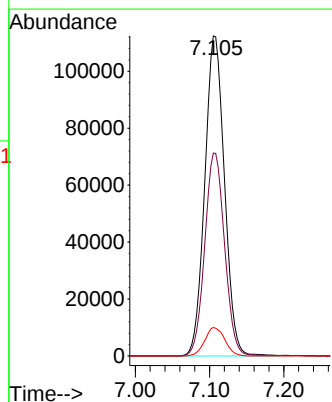
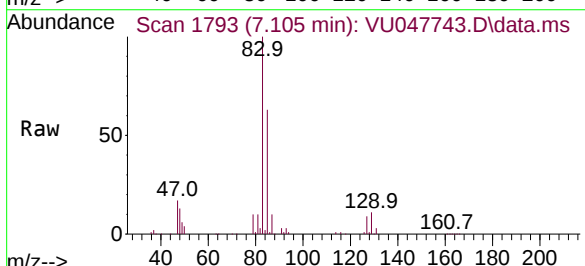
Tgt Ion: 83 Resp: 207172

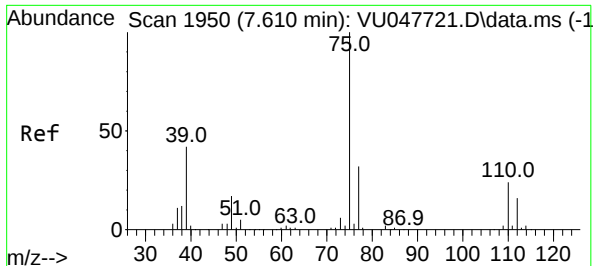
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 55.276 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

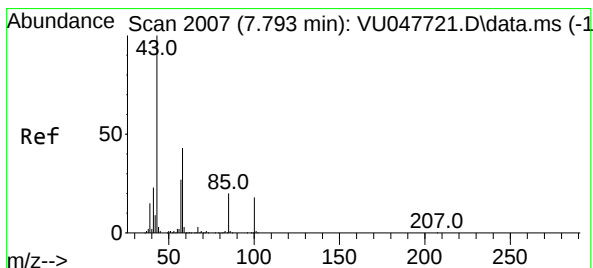
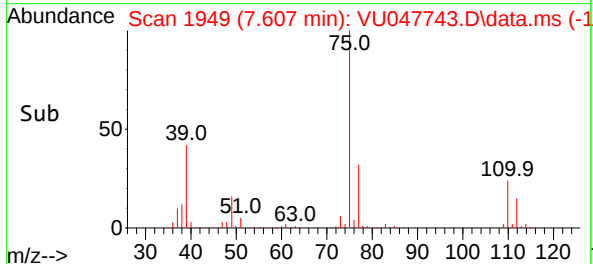
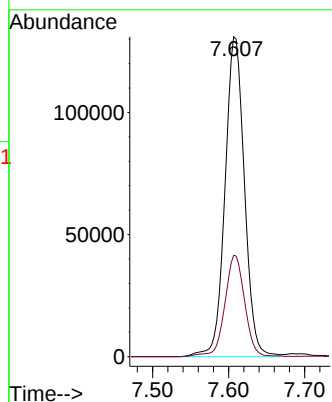
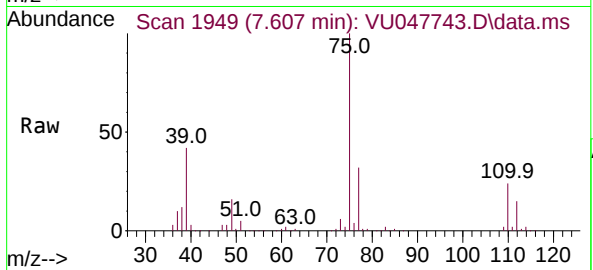
VSTD050182

Tgt Ion: 75 Resp: 232860

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 111.854 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

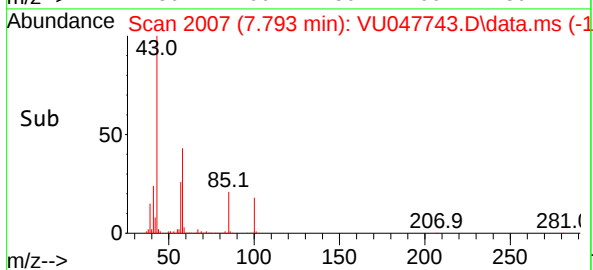
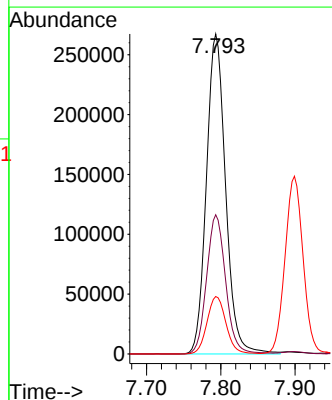
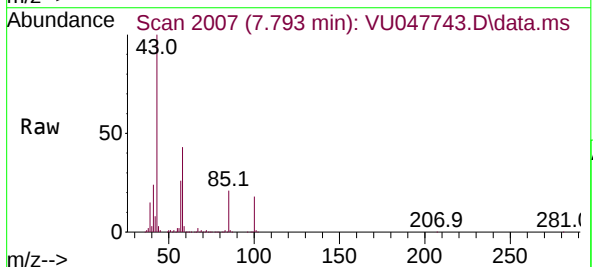
Tgt Ion: 43 Resp: 479970

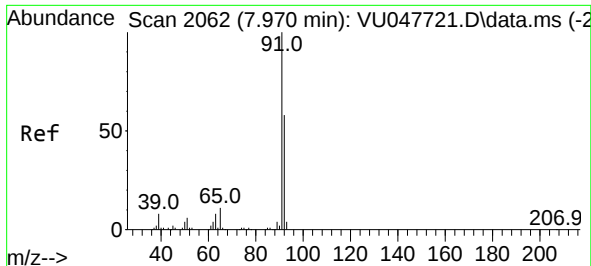
Ion Ratio Lower Upper

43 100

58 43.2 34.7 52.1

100 17.8 14.2 21.2





#42

Toluene

Concen: 55.476 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

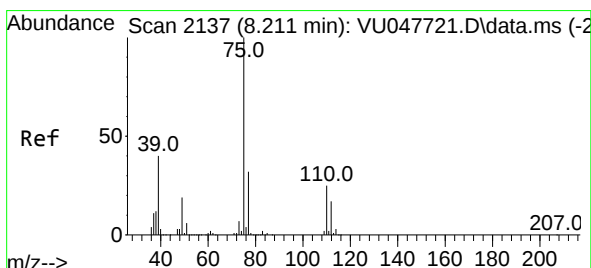
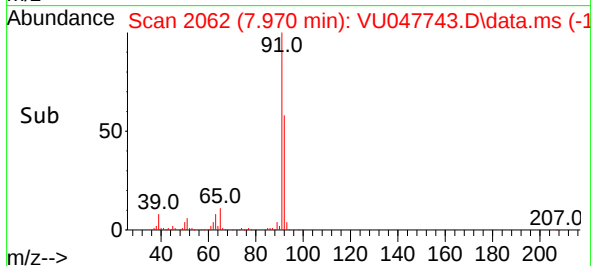
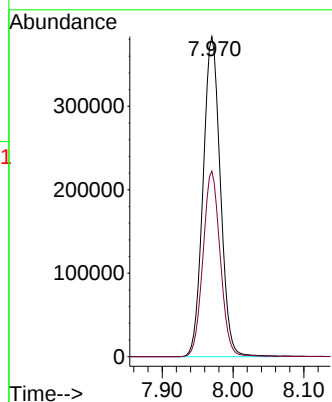
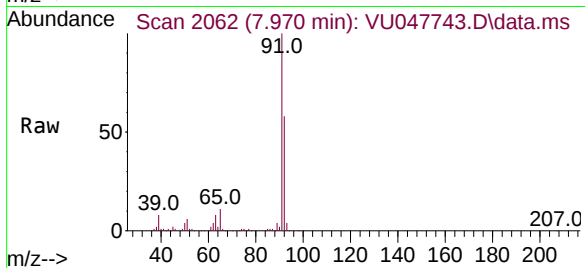
VSTD050182

Tgt Ion: 91 Resp: 650090

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 55.492 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU047743.D

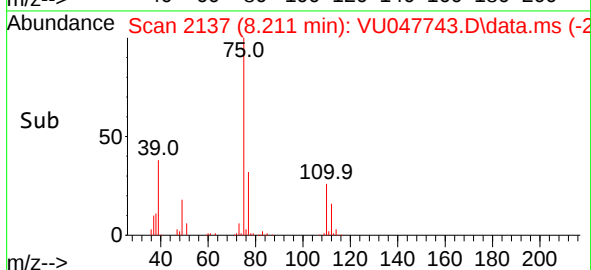
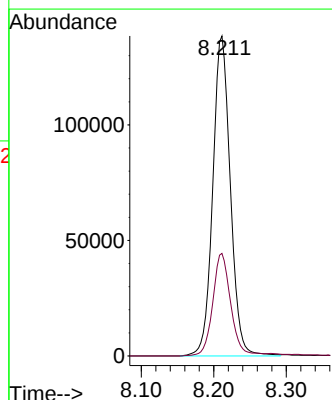
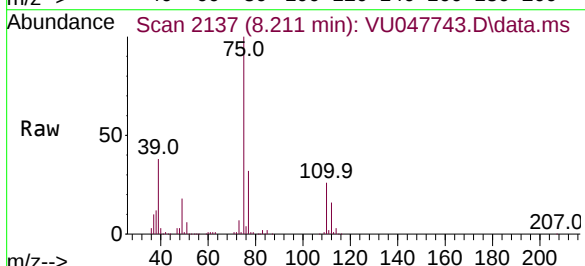
Acq: 28 Mar 2022 21:08

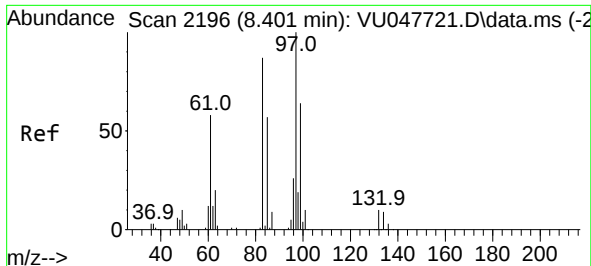
Tgt Ion: 75 Resp: 233408

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

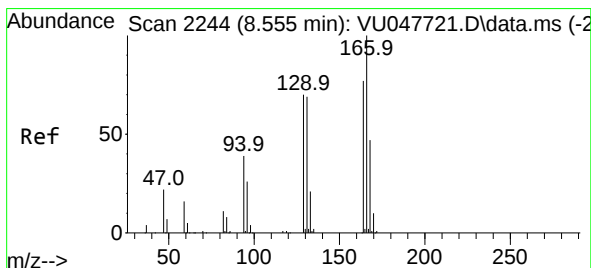
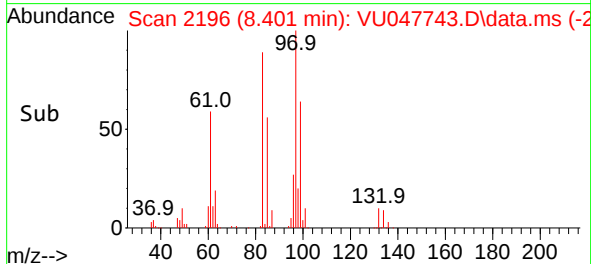
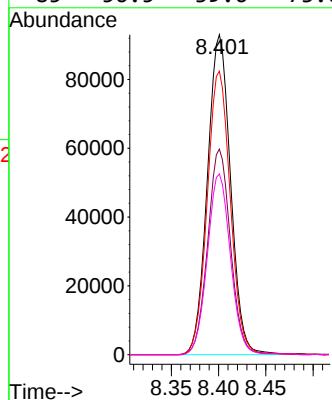
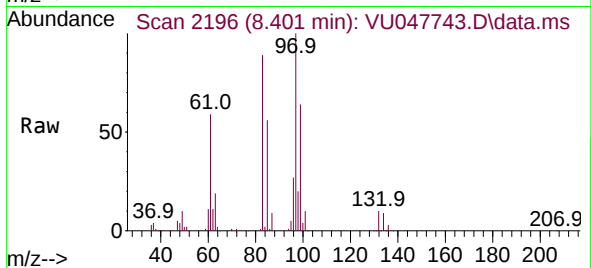




#45
1,1,2-Trichloroethane
Concen: 55.114 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

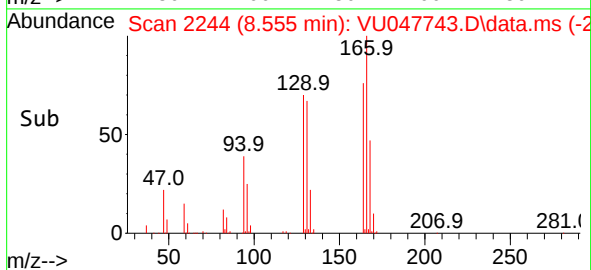
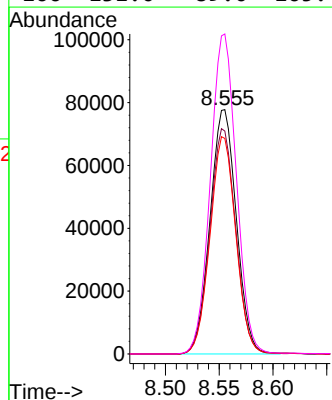
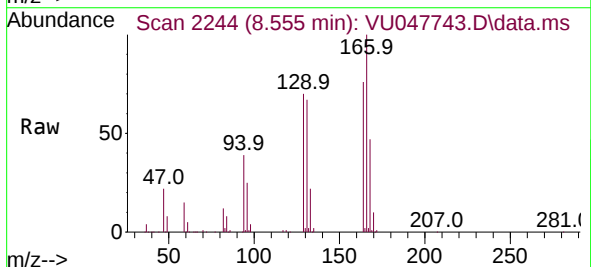
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

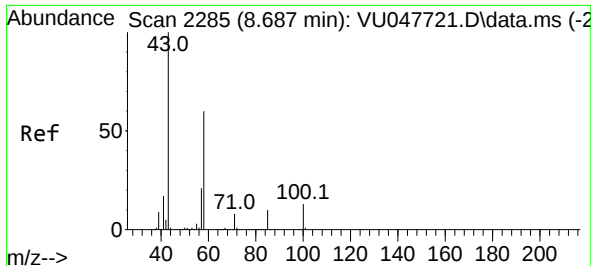
Tgt Ion:	97	Resp:	158697
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.3	80.3
83	88.6	61.0	113.4
85	56.5	39.6	73.6



#46
Tetrachloroethene
Concen: 52.708 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion:	164	Resp:	132620
Ion	Ratio	Lower	Upper
164	100		
129	91.2	62.4	116.0
131	88.2	60.7	112.7
166	131.0	89.0	165.4

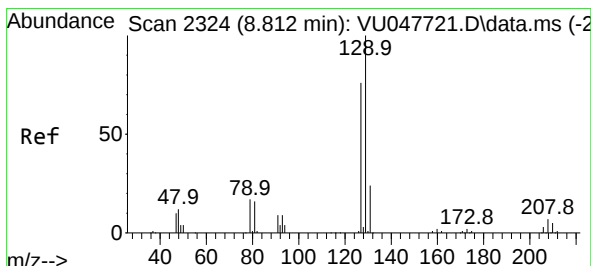
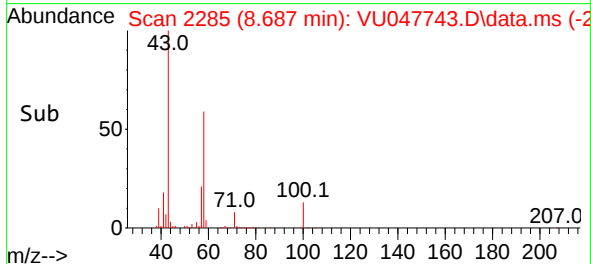
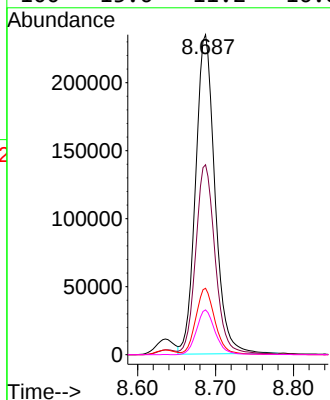
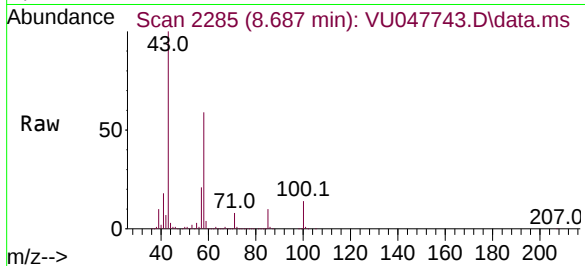




#48
2-Hexanone
Concen: 109.569 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

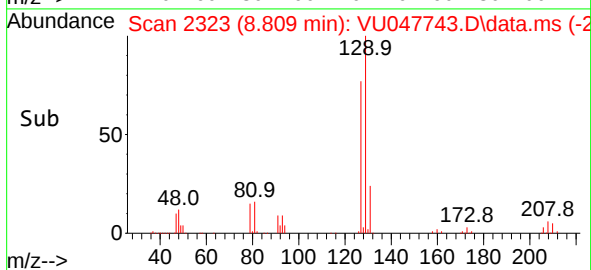
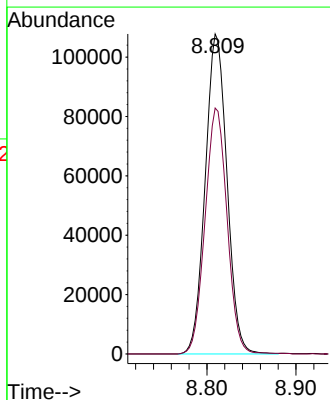
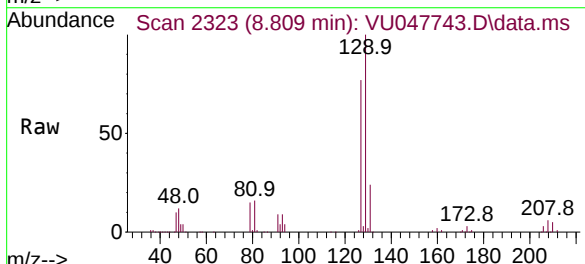
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

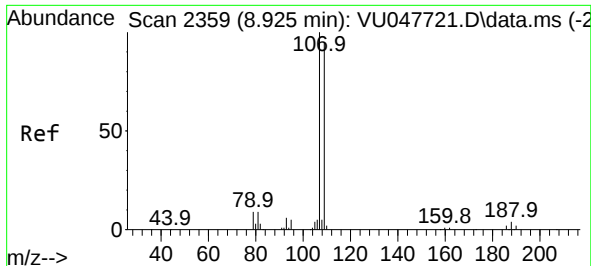
Tgt Ion:	43	Resp:	404425
Ion	Ratio	Lower	Upper
43	100		
58	60.5	48.1	72.1
57	20.5	16.2	24.4
100	13.6	11.2	16.8



#49
Dibromochloromethane
Concen: 54.851 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion:	129	Resp:	182929
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.2	100.6





#50

1,2-Dibromoethane

Concen: 55.533 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

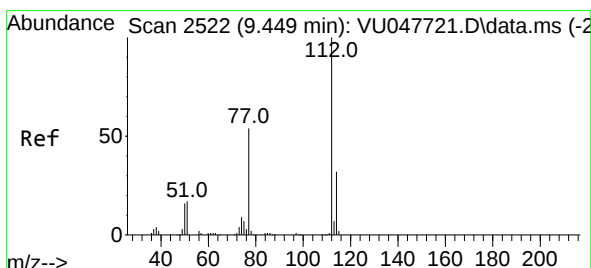
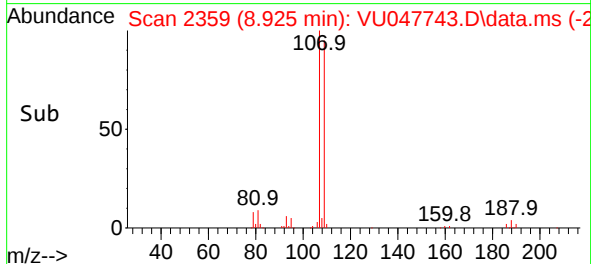
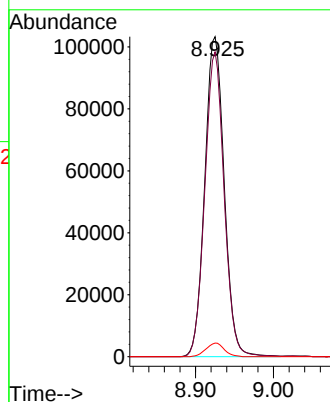
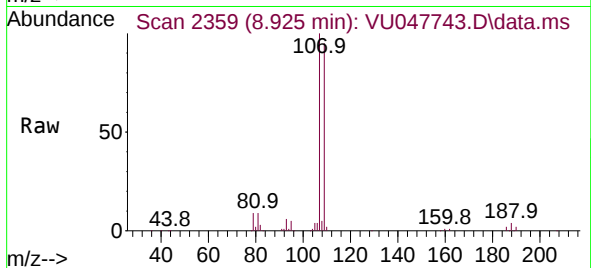
Tgt Ion:107 Resp: 179265

Ion Ratio Lower Upper

107 100

109 95.3 66.6 123.6

188 4.2 3.4 5.2



#51

Chlorobenzene

Concen: 54.295 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

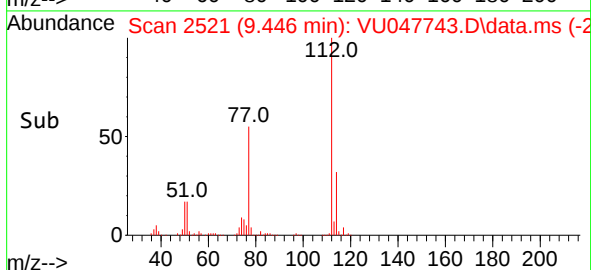
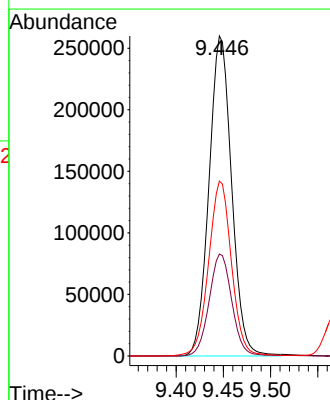
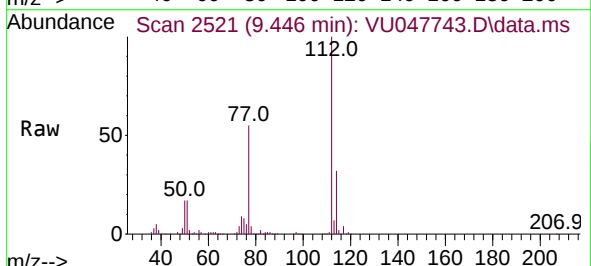
Tgt Ion:112 Resp: 432006

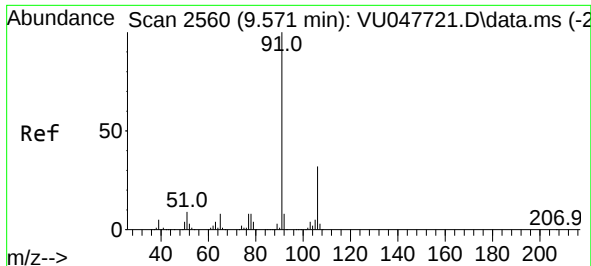
Ion Ratio Lower Upper

112 100

114 31.9 22.1 41.1

77 54.7 43.4 65.0

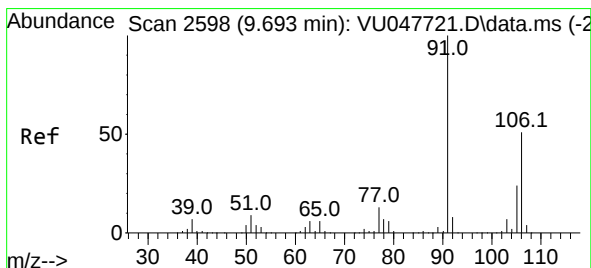
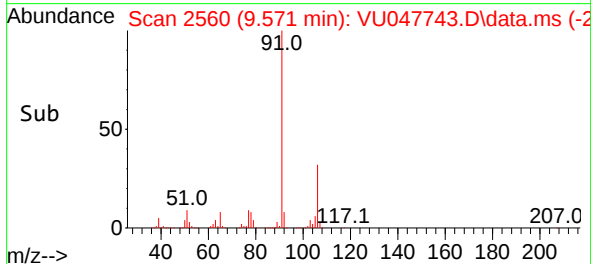
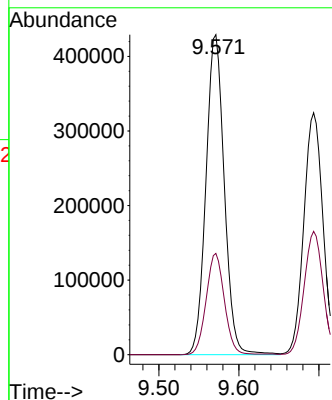
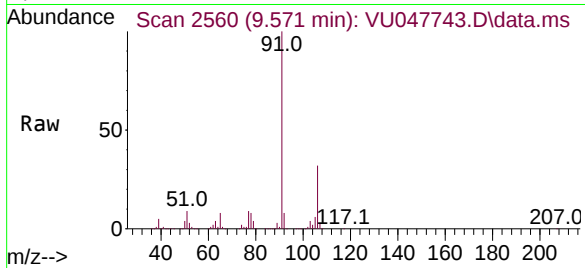




#52
Ethylbenzene
Concen: 55.569 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

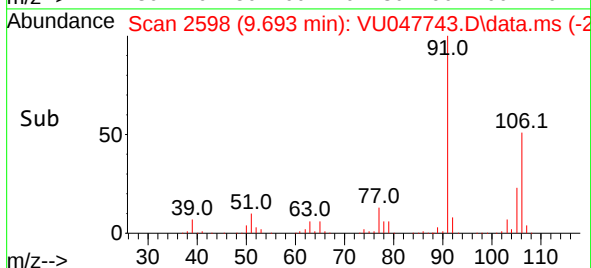
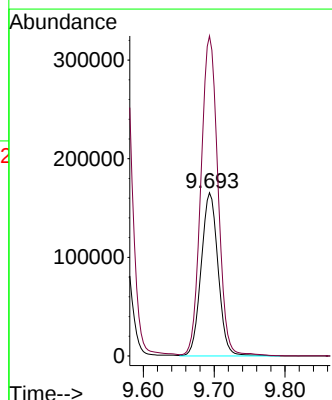
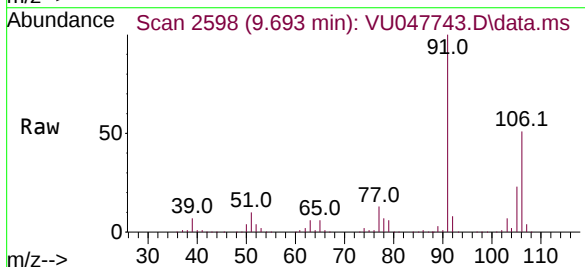
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

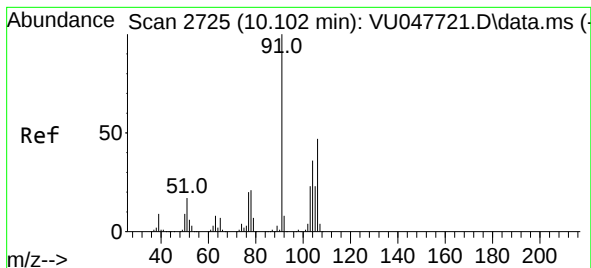
Tgt Ion: 91 Resp: 684687
Ion Ratio Lower Upper
91 100
106 31.6 22.4 41.6



#53
m,p-Xylene
Concen: 56.801 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 106 Resp: 274617
Ion Ratio Lower Upper
106 100
91 196.1 137.7 255.7





#54

o-Xylene

Concen: 55.942 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

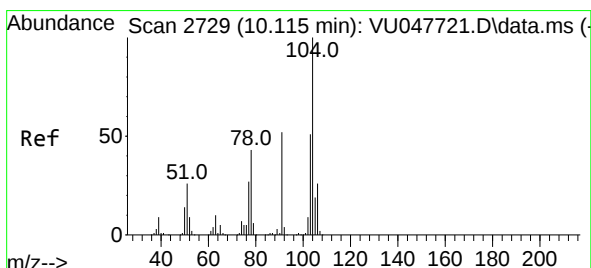
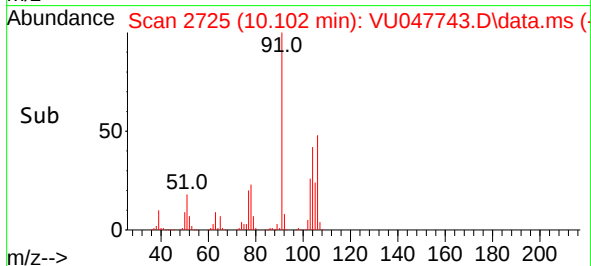
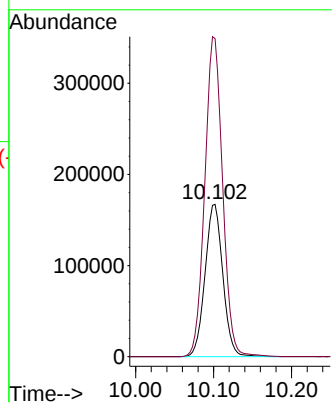
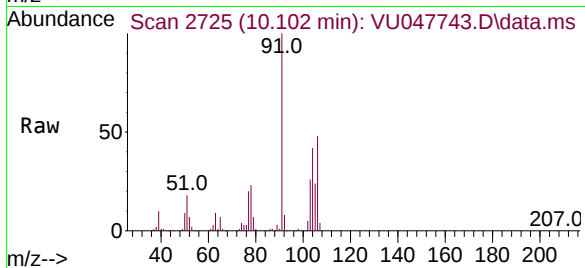
VSTD050182

Tgt Ion:106 Resp: 265450

Ion Ratio Lower Upper

106 100

91 208.8 146.7 272.5



#55

Styrene

Concen: 56.745 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. -0.000 min

Lab File: VU047743.D

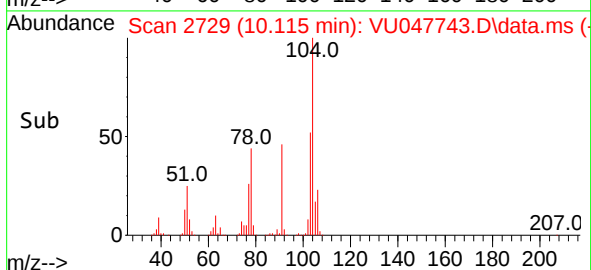
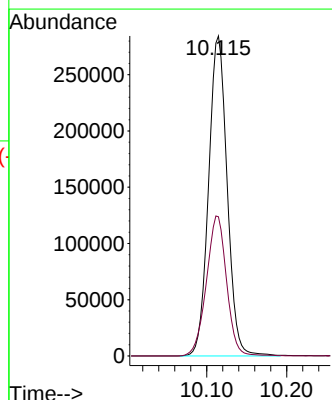
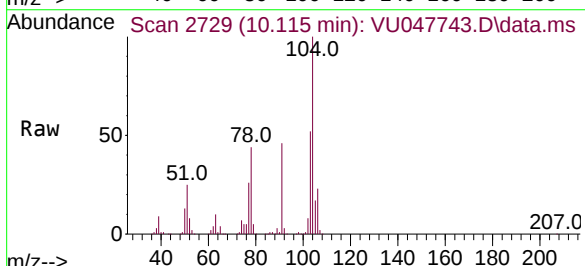
Acq: 28 Mar 2022 21:08

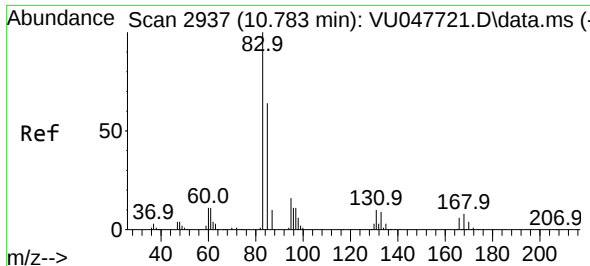
Tgt Ion:104 Resp: 459718

Ion Ratio Lower Upper

104 100

78 43.5 30.4 56.4





#57

1,1,2,2-Tetrachloroethane

Concen: 54.987 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

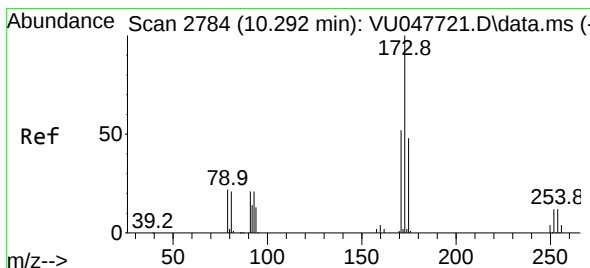
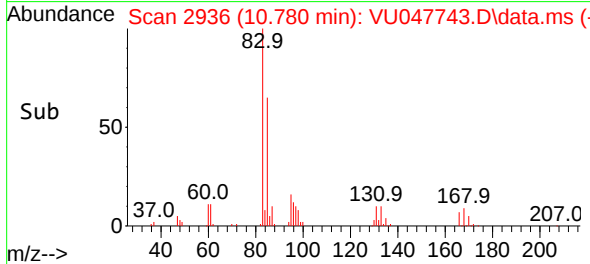
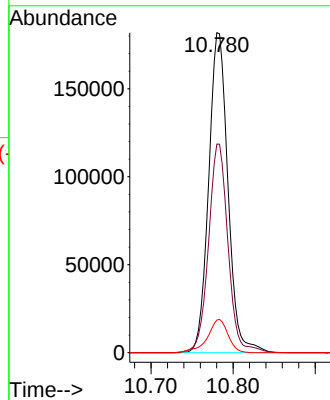
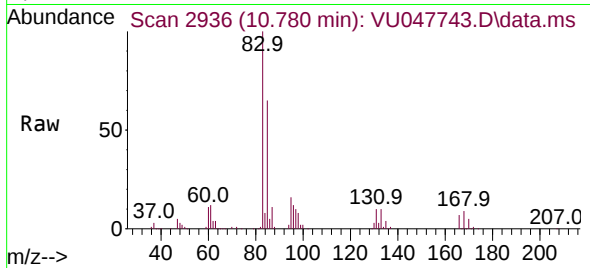
Tgt Ion: 83 Resp: 296826

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.3

131 10.2 8.6 13.0



#59

Bromoform

Concen: 54.450 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

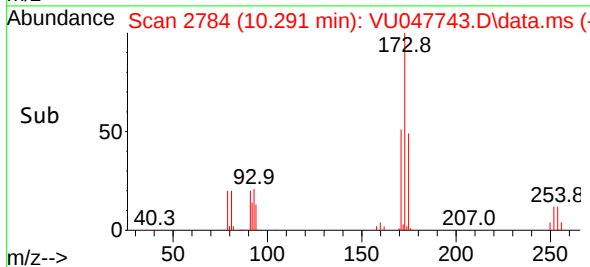
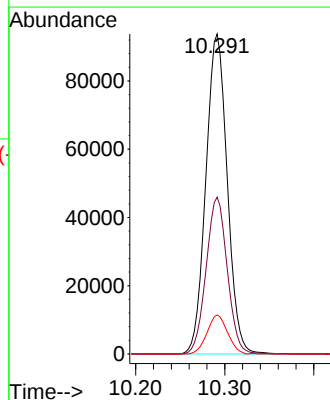
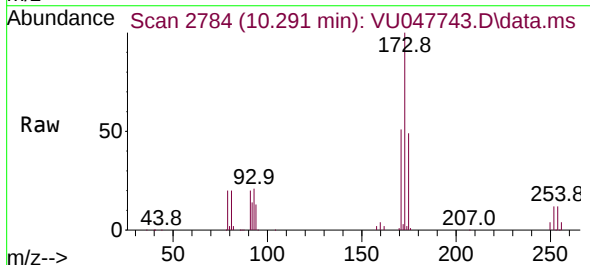
Tgt Ion:173 Resp: 156127

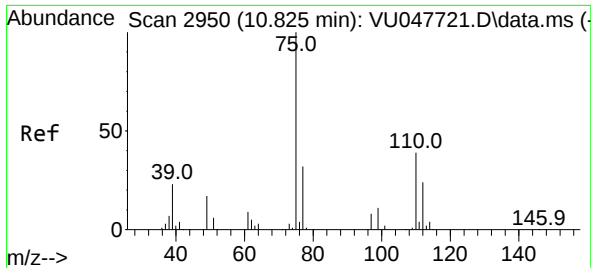
Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

254 11.7 9.6 14.4

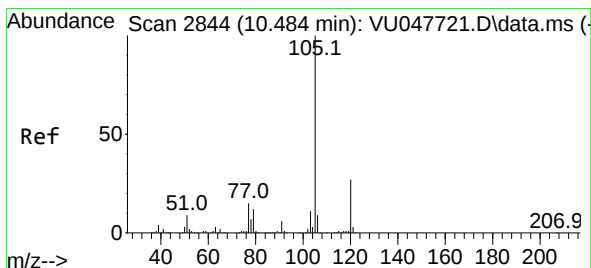
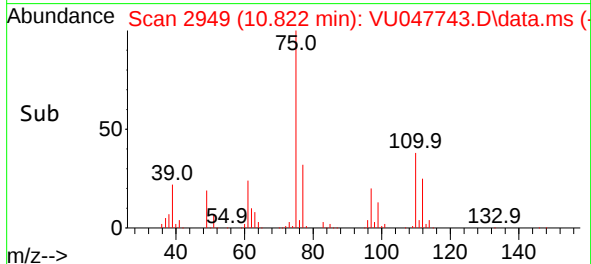
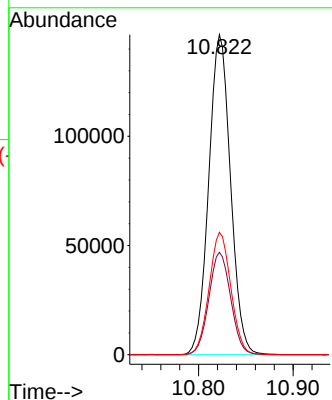
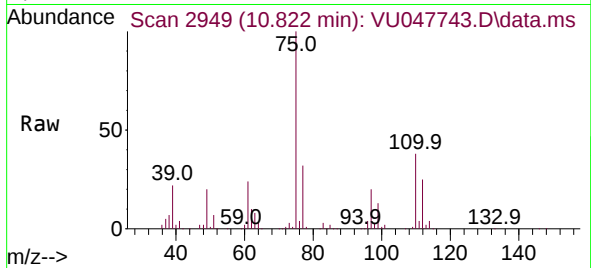




#60
1,2,3-Trichloropropane
Concen: 55.410 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

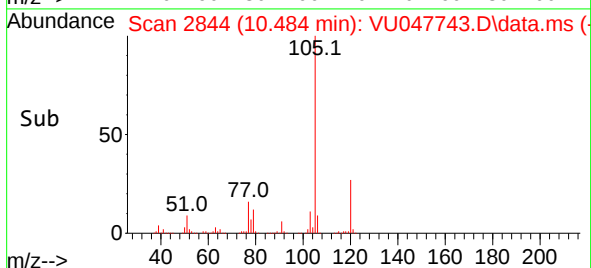
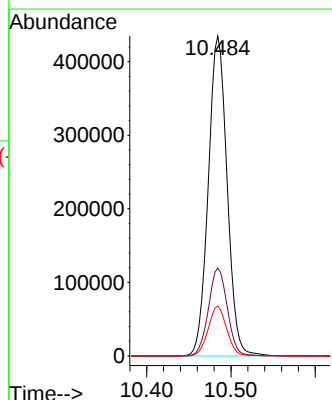
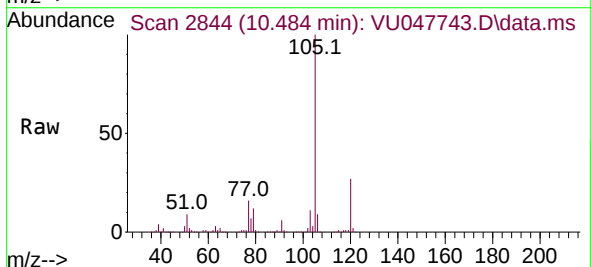
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

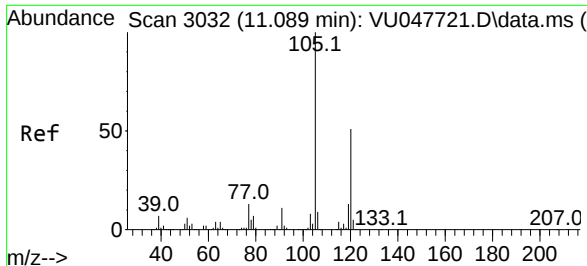
Tgt Ion: 75 Resp: 234233
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 38.2 31.4 47.2



#61
Isopropylbenzene
Concen: 55.800 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 105 Resp: 676238
Ion Ratio Lower Upper
105 100
120 27.6 21.9 32.9
77 15.3 12.1 18.1

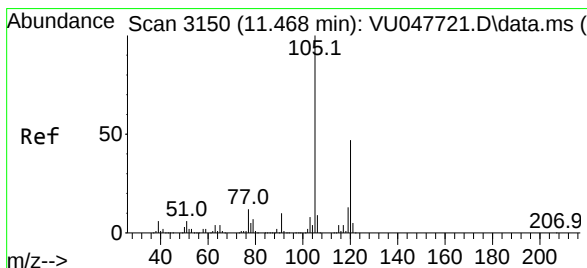
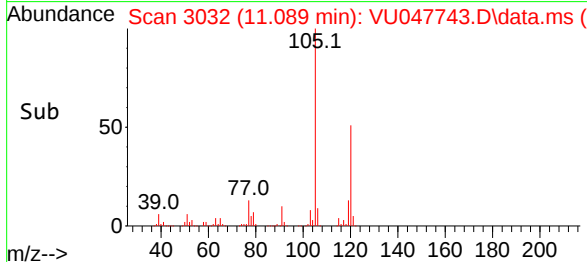
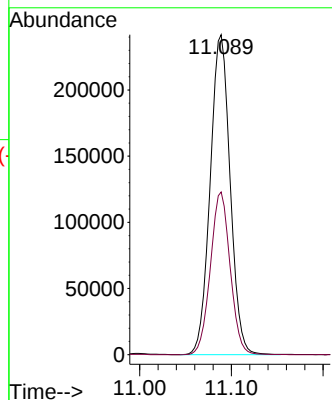
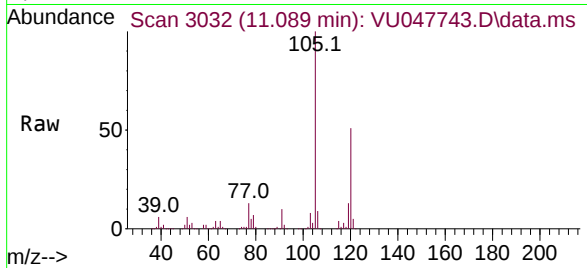




#62
 1,3,5-Trimethylbenzene
 Concen: 55.583 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU047743.D
 Acq: 28 Mar 2022 21:08

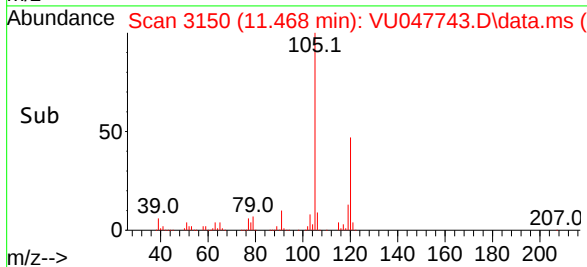
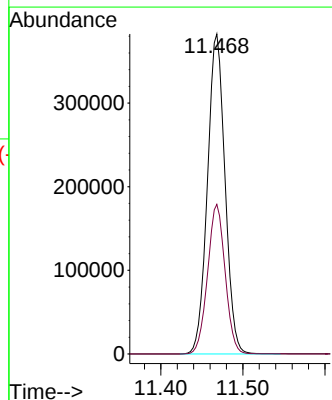
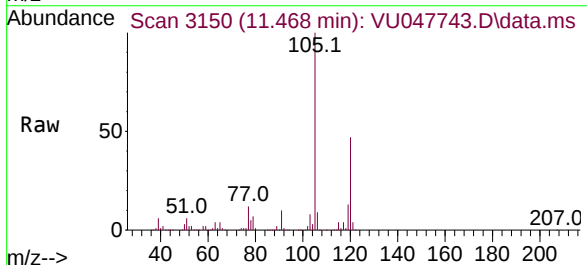
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

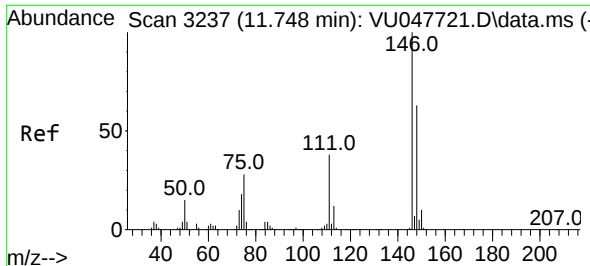
Tgt Ion:105 Resp: 365482
 Ion Ratio Lower Upper
 105 100
 120 50.3 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 57.007 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU047743.D
 Acq: 28 Mar 2022 21:08

Tgt Ion:105 Resp: 569375
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.6 56.4

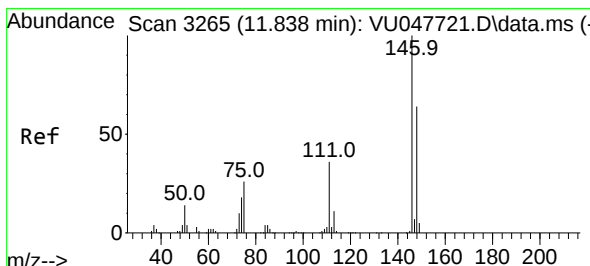
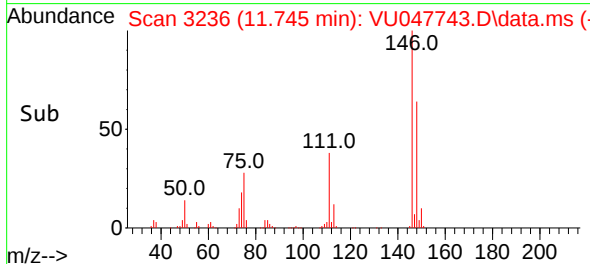
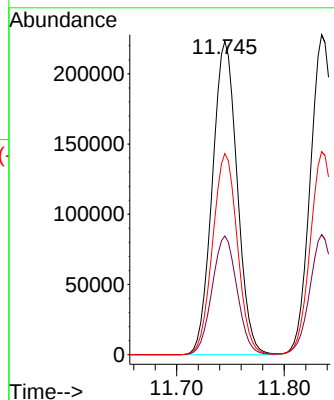
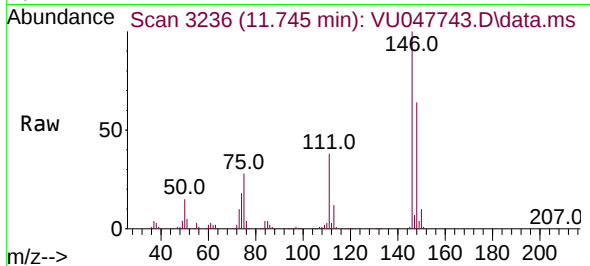




#64
1,3-Dichlorobenzene
Concen: 53.134 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

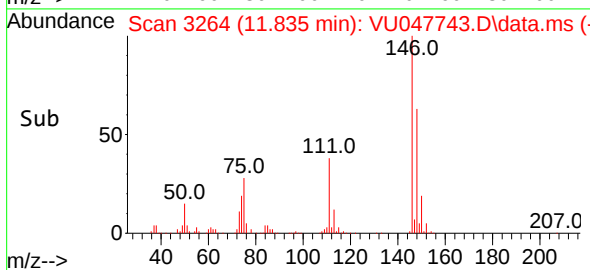
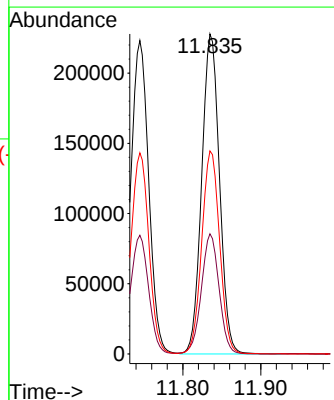
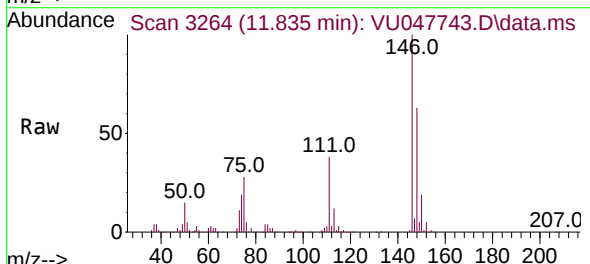
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

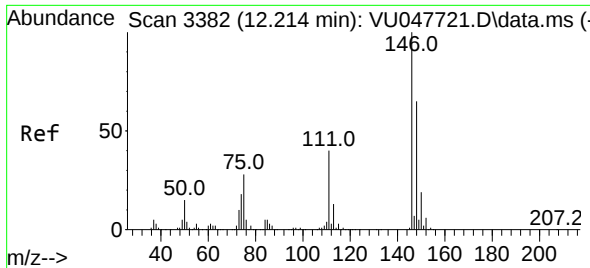
Tgt Ion:146 Resp: 357904
Ion Ratio Lower Upper
146 100
111 37.9 26.7 49.7
148 64.2 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 51.725 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion:146 Resp: 360891
Ion Ratio Lower Upper
146 100
111 37.6 25.3 47.1
148 63.5 44.5 82.7

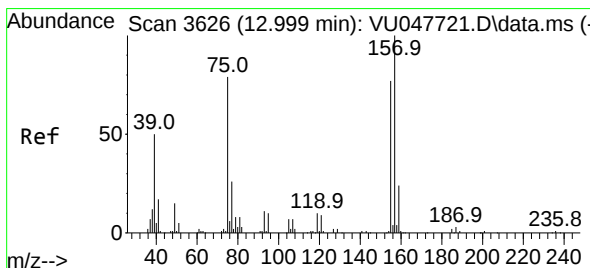
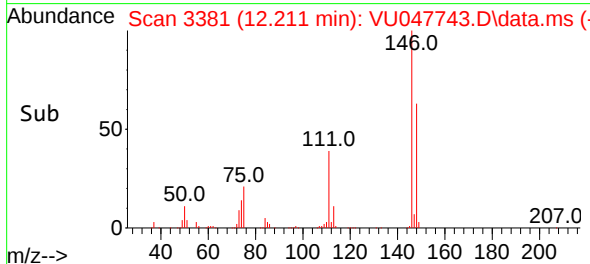
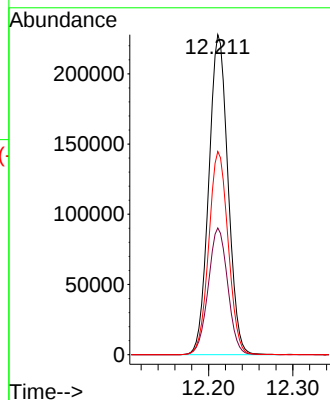
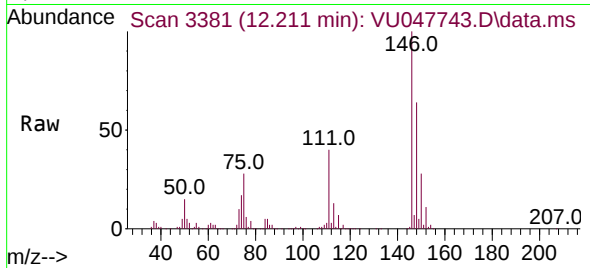




#67
1,2-Dichlorobenzene
Concen: 53.554 ug/L
RT: 12.211 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

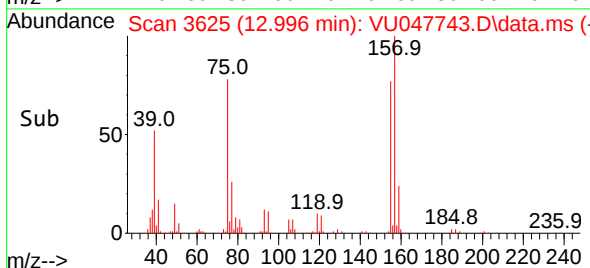
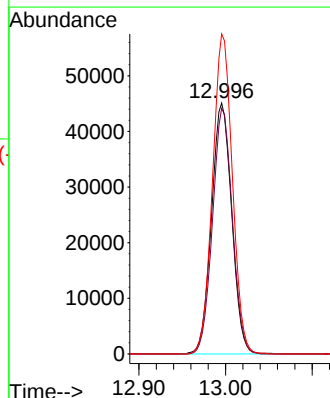
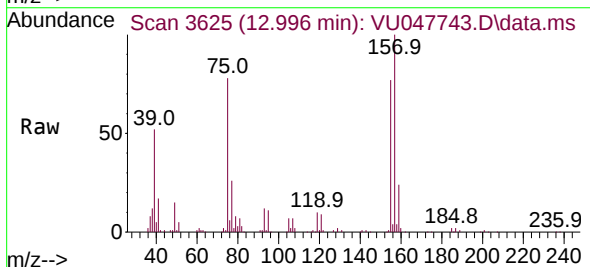
Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

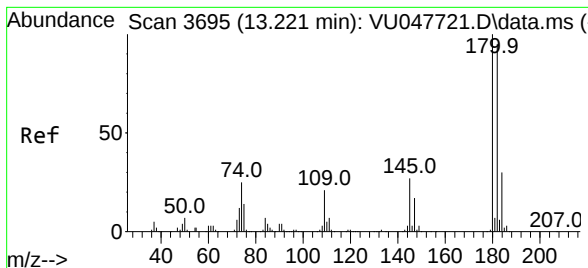
Tgt Ion:146 Resp: 360948
Ion Ratio Lower Upper
146 100
111 39.6 31.7 47.5
148 63.5 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 54.059 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion: 75 Resp: 73201
Ion Ratio Lower Upper
75 100
155 97.9 78.9 118.3
157 127.5 97.5 146.3





#69

1,3,5-Trichlorobenzene

Concen: 51.503 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050182

Tgt Ion:180 Resp: 281749

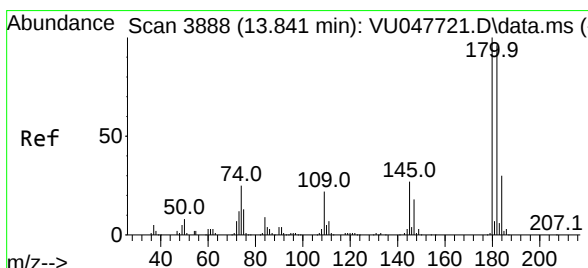
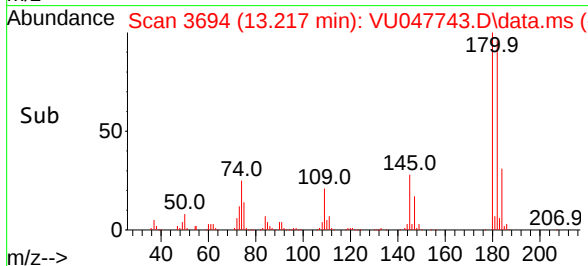
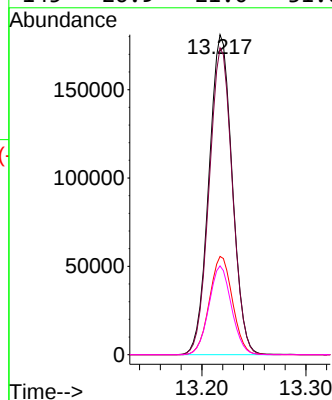
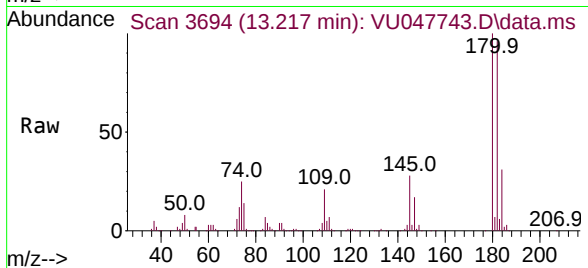
Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.6

184 30.4 24.5 36.7

145 26.9 21.0 31.6



#70

1,2,4-trichlorobenzene

Concen: 52.344 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU047743.D

Acq: 28 Mar 2022 21:08

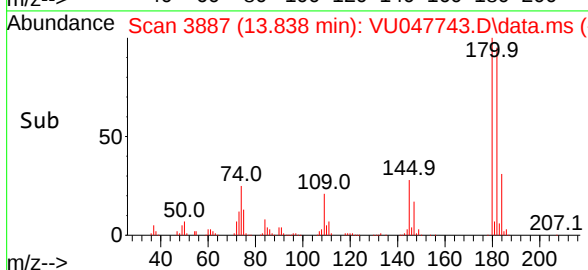
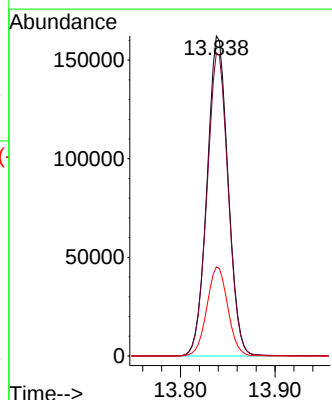
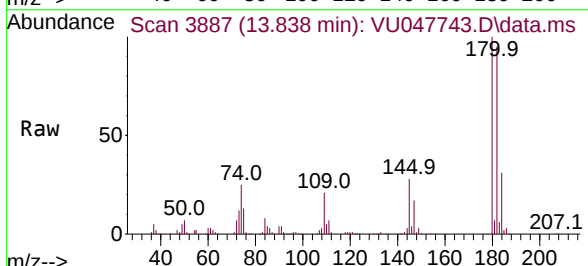
Tgt Ion:180 Resp: 250815

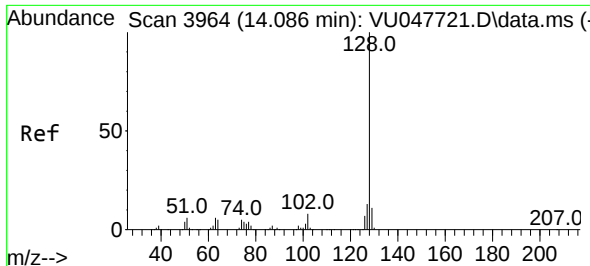
Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

145 27.7 21.8 32.8

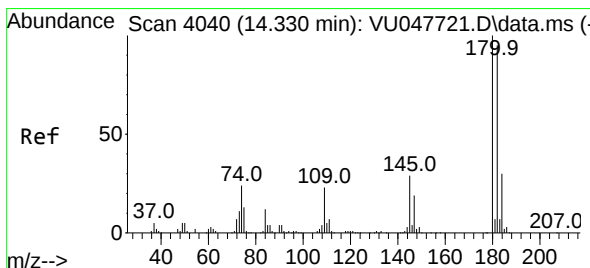
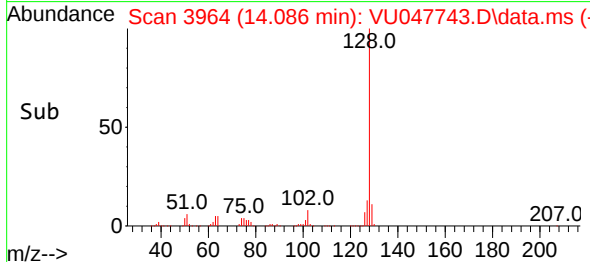
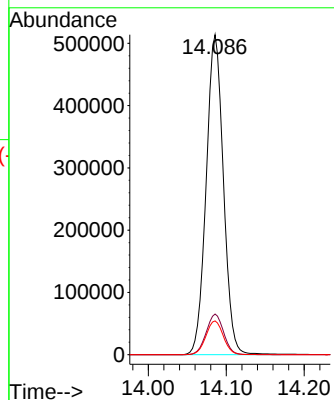
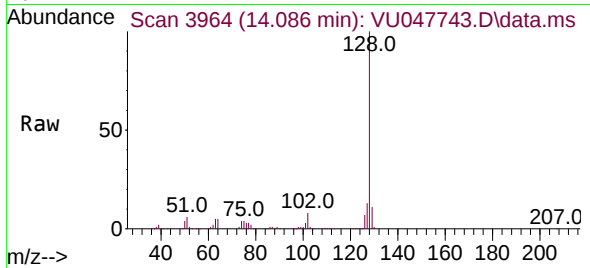




#71
Naphthalene
Concen: 55.251 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050182

Tgt Ion:128 Resp: 789311
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 53.066 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047743.D
Acq: 28 Mar 2022 21:08

Tgt Ion:180 Resp: 254904
Ion Ratio Lower Upper
180 100
182 97.2 77.4 116.0
145 29.5 22.8 34.2

