

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031122\
 Data File : VU047503.D
 Acq On : 11 Mar 2022 19:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005097

Quant Time: Mar 12 01:37:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 12 01:28:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	126716	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	124763	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	69436	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	31614	4.600	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.919	69	24913	4.938	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.571	65	14060	4.632	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.645	46	72821	59.515	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.020%
24) Chloroform-d	5.070	84	56978	5.204	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	5.706	65	27857	5.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.729	84	111352	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.693	67	32765	4.719	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.899	98	107047	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.182	79	13306	4.514	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.635	63	60835	46.851	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.700%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	30558	5.051	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	43449	4.935	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	45764	4.824	ug/L	100
3) Chloromethane	1.523	50	49779	5.254	ug/L	100
5) Vinyl chloride	1.607	62	50408	5.409	ug/L	100
6) Bromomethane	1.864	94	24283	4.570	ug/L	99
8) Chloroethane	1.938	64	31478	5.562	ug/L	98
9) Trichlorofluoromethane	2.144	101	63771	5.194	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	34771	4.587	ug/L	99
12) 1,1-Dichloroethene	2.584	96	38104	5.122	ug/L	88
13) Acetone	2.655	43	67829	60.335	ug/L	98
14) Carbon disulfide	2.800	76	115633	5.063	ug/L	99
15) Methyl Acetate	2.960	43	14907	5.018	ug/L #	83
16) Methylene chloride	3.050	84	47413	5.339	ug/L	98
17) Methyl tert-butyl Ether	3.369	73	105376	5.492	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	42644	5.354	ug/L	98
19) 1,1-Dichloroethane	3.877	63	75121	5.545	ug/L	100
21) 2-Butanone	4.719	43	119237	58.896	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	47675	5.402	ug/L	97
23) Bromochloromethane	4.980	128	25013	5.931	ug/L	98
25) Chloroform	5.092	83	82716	5.639	ug/L	96

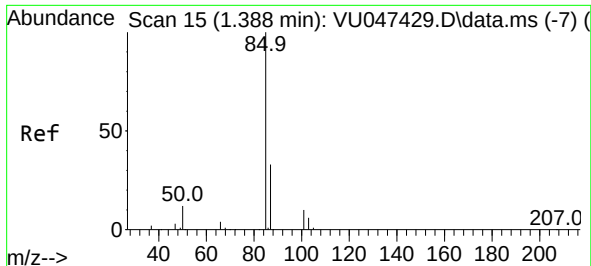
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031122\
 Data File : VU047503.D
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR030922WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	54596	5.781	ug/L	100
29) 1,1,1-Trichloroethane	5.320	97	70391	5.461	ug/L	99
30) Cyclohexane	5.394	56	54971	4.427	ug/L	98
31) Carbon tetrachloride	5.529	117	59499	5.255	ug/L	97
33) Benzene	5.777	78	178396	5.294	ug/L	100
34) Trichloroethene	6.545	95	45353	5.035	ug/L	98
35) Methylcyclohexane	6.767	83	56298	3.962	ug/L	100
37) 1,2-Dichloropropane	6.793	63	45292	5.397	ug/L	100
38) Bromodichloromethane	7.108	83	61529	5.523	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	63950	5.027	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	302898	52.949	ug/L	99
42) Toluene	7.970	91	189088	5.166	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	57865	5.043	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	37720	5.485	ug/L	96
47) Tetrachloroethene	8.555	164	35324	4.623	ug/L	96
48) 2-Hexanone	8.687	43	224190	54.018	ug/L	98
49) Dibromochloromethane	8.812	129	46135	5.522	ug/L	95
50) 1,2-Dibromoethane	8.925	107	37906	5.417	ug/L	98
51) Chlorobenzene	9.449	112	128261	5.238	ug/L	99
52) Ethylbenzene	9.571	91	193720	4.887	ug/L	98
53) m,p-Xylene	9.693	106	74510	4.791	ug/L	97
54) o-Xylene	10.102	106	75967	5.042	ug/L	96
55) Styrene	10.114	104	130669	5.130	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	51333	5.576	ug/L	97
59) Bromoform	10.291	173	30896	5.910	ug/L	99
60) Isopropylbenzene	10.484	105	191212	4.922	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	35157	5.466	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	118240	4.640	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	154326	4.669	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	101213	4.915	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	101986	4.877	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	101560	5.133	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	8079	5.572	ug/L	89
69) 1,3,5-Trichlorobenzene	13.220	180	76414	4.524	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	67794	4.503	ug/L	99
71) Naphthalene	14.085	128	126324	4.692	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	67718	4.906	ug/L	98

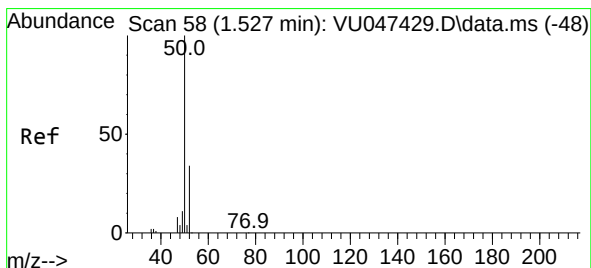
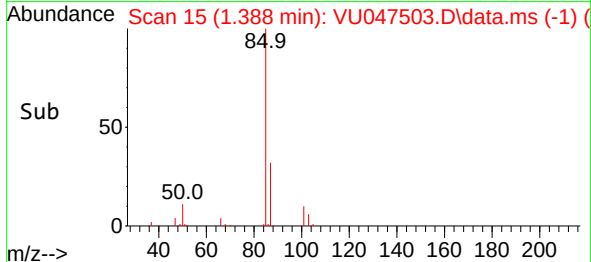
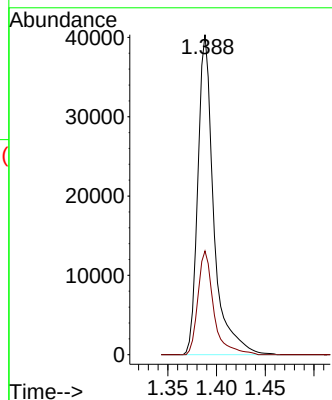
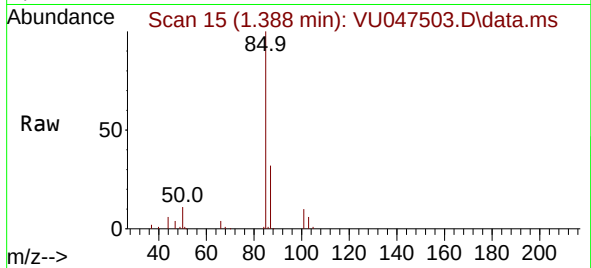
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.824 ug/L
RT: 1.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

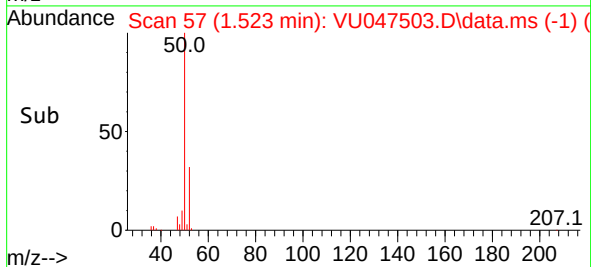
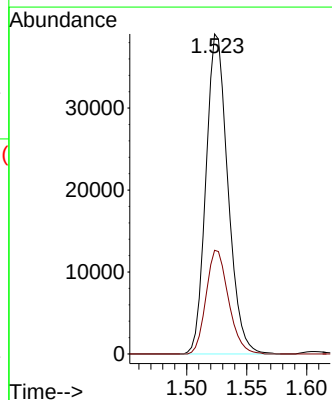
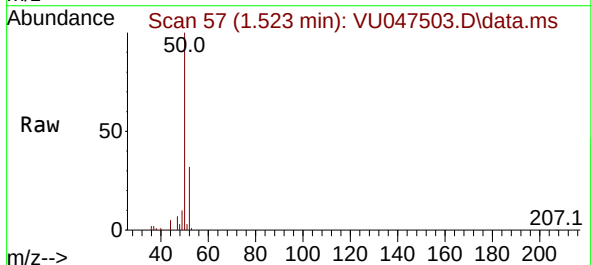
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

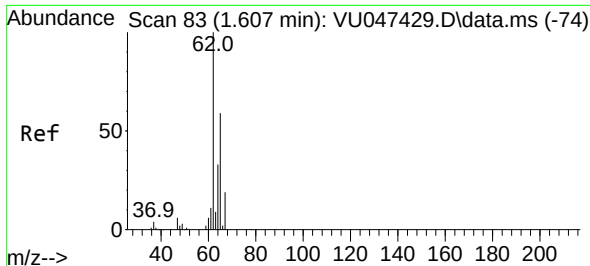
Tgt Ion: 85 Resp: 45764
Ion Ratio Lower Upper
85 100
87 32.2 25.6 38.4



#3
Chloromethane
Concen: 5.254 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 50 Resp: 49779
Ion Ratio Lower Upper
50 100
52 32.4 22.5 41.9

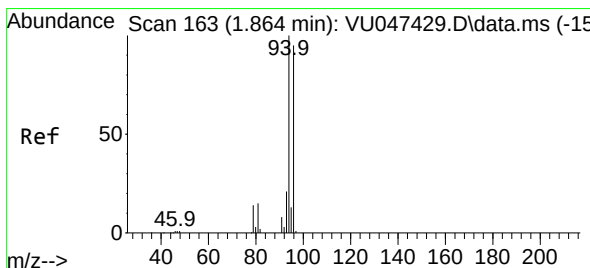
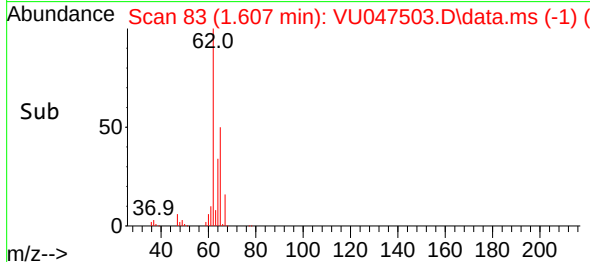
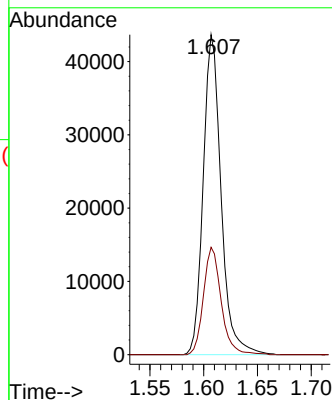
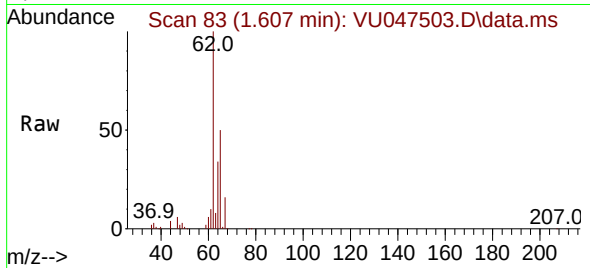




#5
 Vinyl chloride
 Concen: 5.409 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU047503.D
 Acq: 11 Mar 2022 19:33

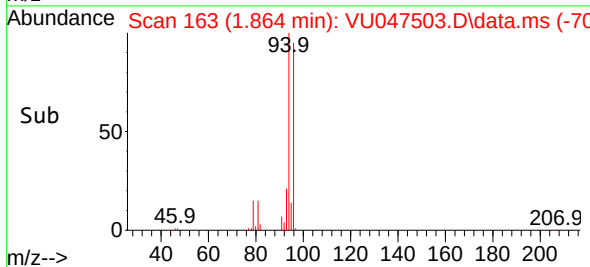
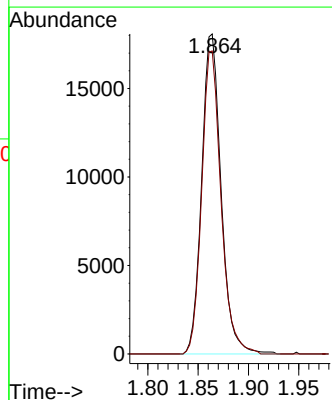
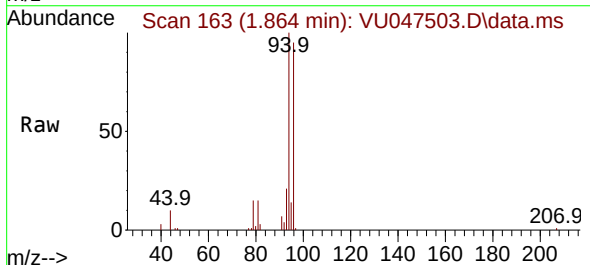
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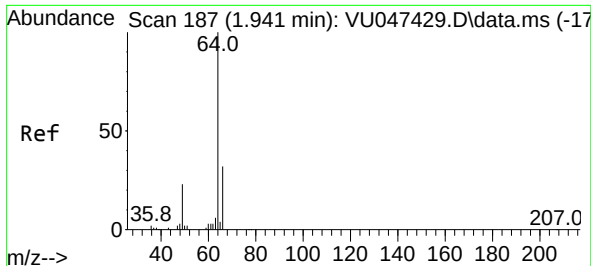
Tgt Ion: 62 Resp: 50408
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.7 43.9



#6
 Bromomethane
 Concen: 4.570 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU047503.D
 Acq: 11 Mar 2022 19:33

Tgt Ion: 94 Resp: 24283
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.6 121.8

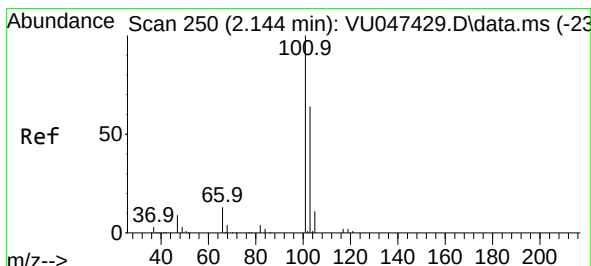
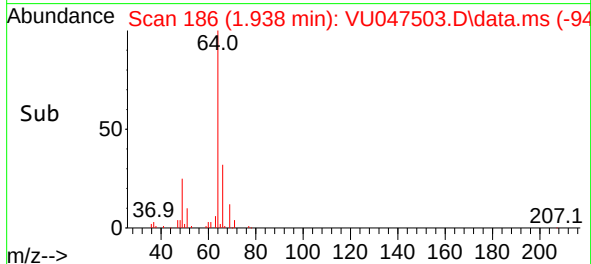
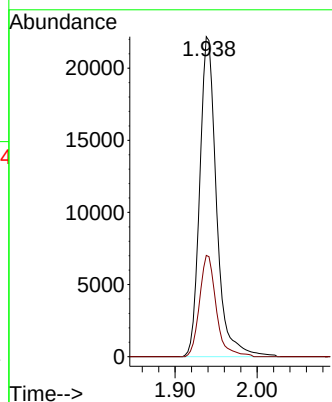
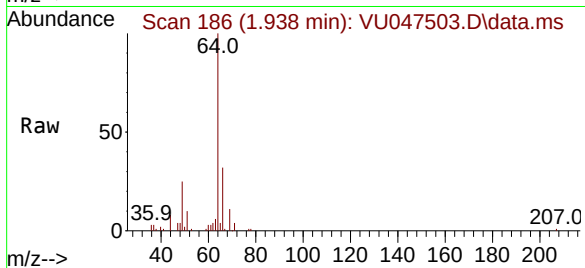




#8
Chloroethane
Concen: 5.562 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

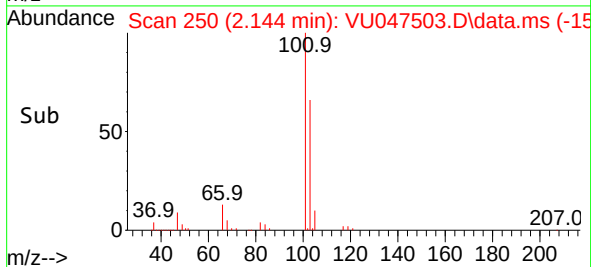
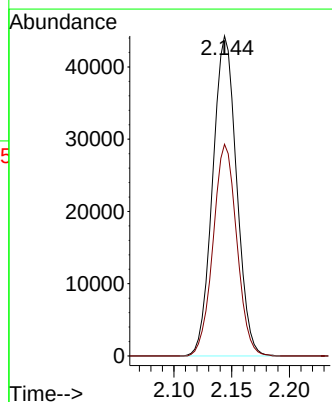
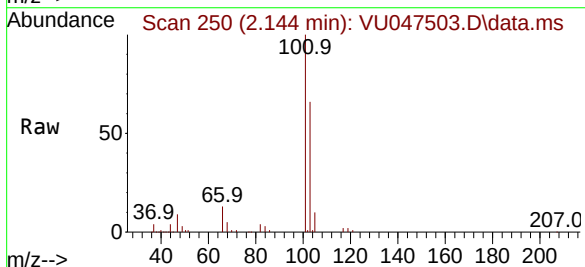
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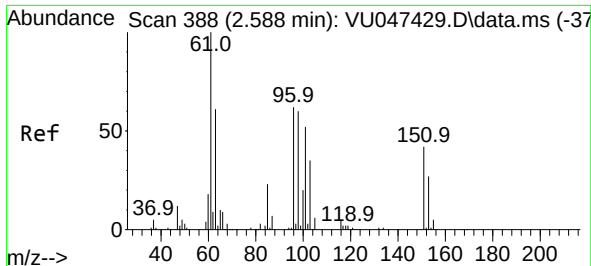
Tgt Ion: 64 Resp: 31478
Ion Ratio Lower Upper
64 100
66 31.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.194 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 101 Resp: 63771
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.587 ug/L

RT: 2.587 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

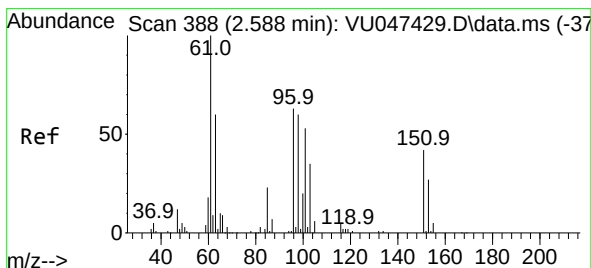
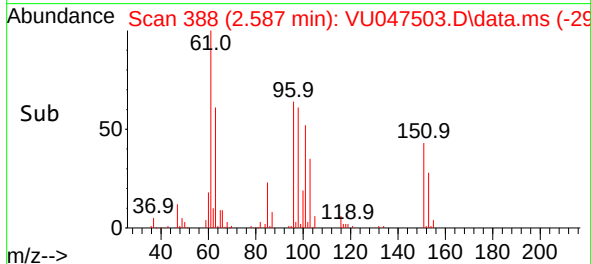
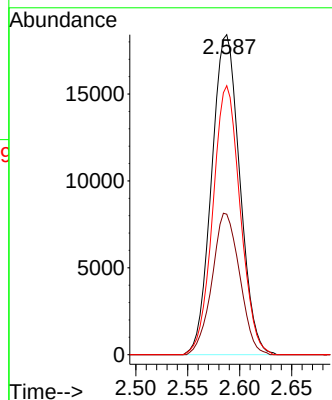
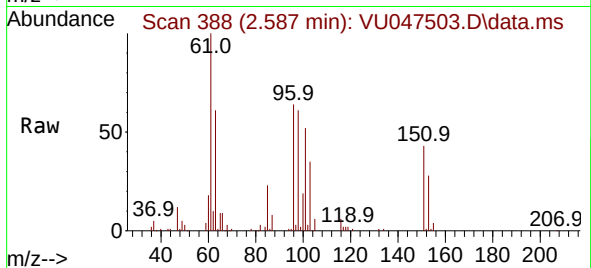
Tgt Ion:101 Resp: 34771

Ion Ratio Lower Upper

101 100

85 43.2 33.8 50.6

151 81.6 64.8 97.2



#12

1,1-Dichloroethene

Concen: 5.122 ug/L

RT: 2.584 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

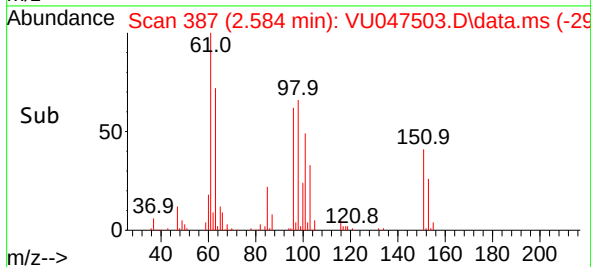
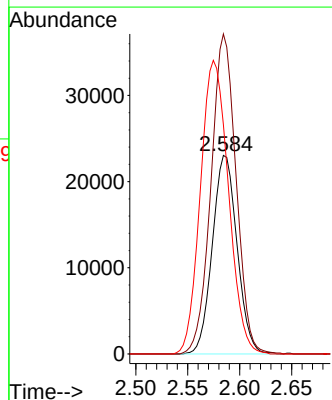
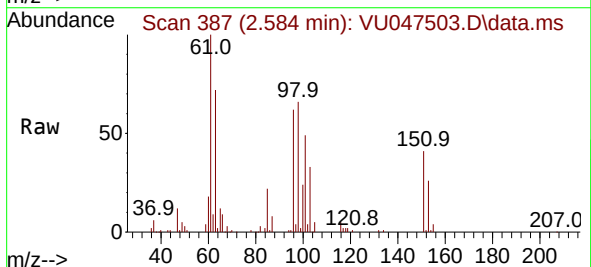
Tgt Ion: 96 Resp: 38104

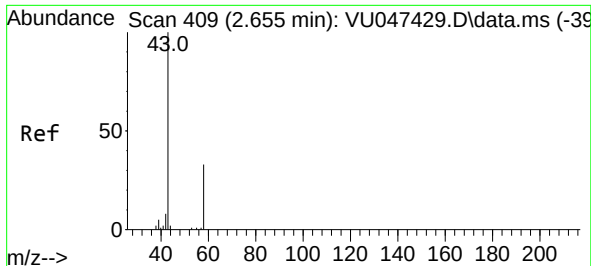
Ion Ratio Lower Upper

96 100

61 161.2 108.8 202.0

63 115.5 64.0 119.0





#13

Acetone

Concen: 60.335 ug/L

RT: 2.655 min Scan# 409

Delta R.T. -0.010 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

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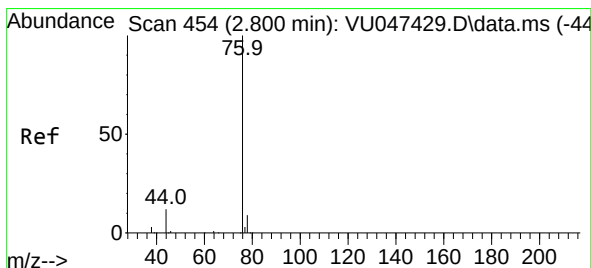
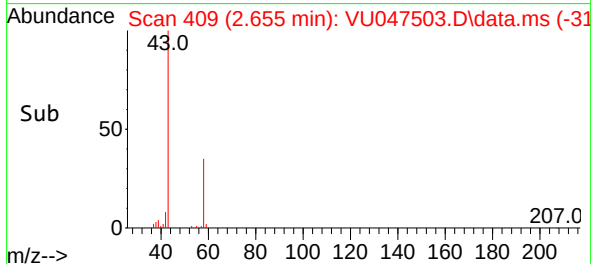
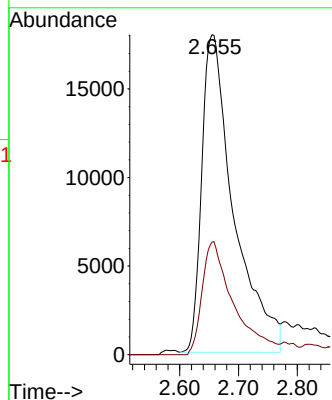
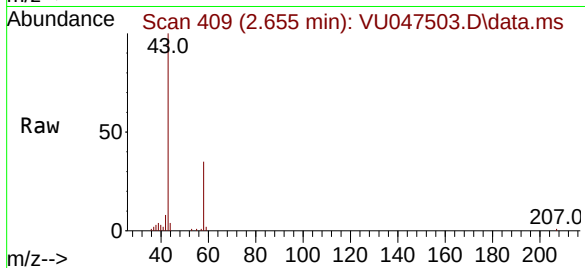
VSTD005097

Tgt Ion: 43 Resp: 67829

Ion Ratio Lower Upper

43 100

58 35.1 0.0 72.6



#14

Carbon disulfide

Concen: 5.063 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047503.D

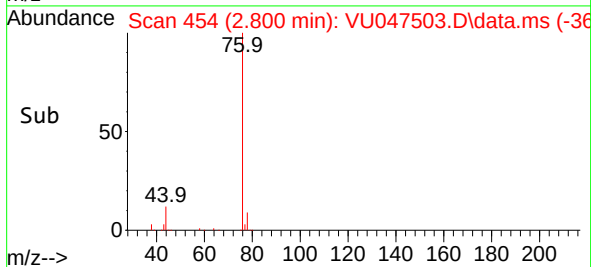
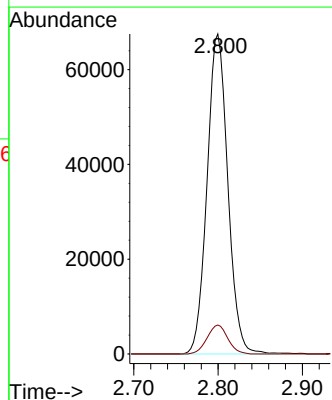
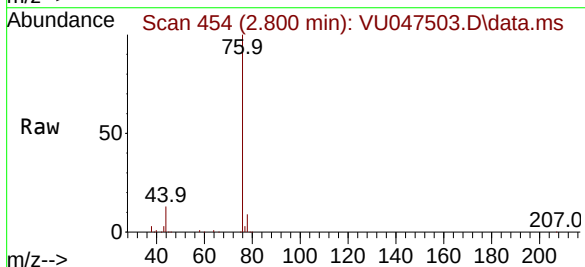
Acq: 11 Mar 2022 19:33

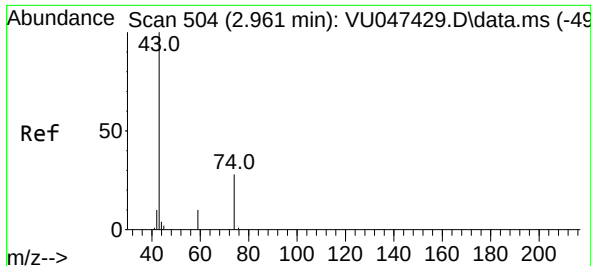
Tgt Ion: 76 Resp: 115633

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

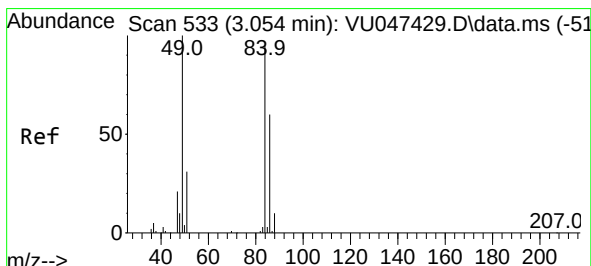
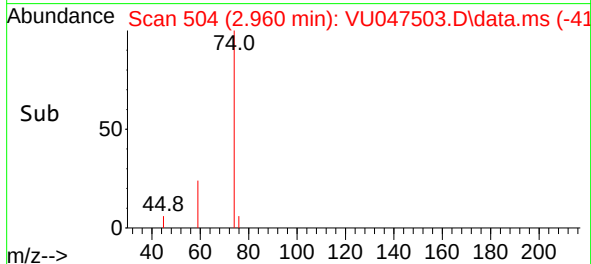
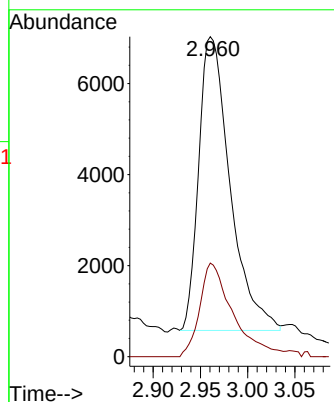
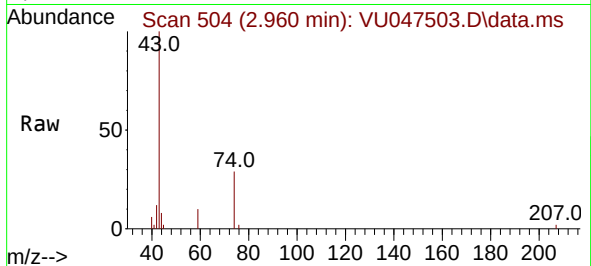




#15
Methyl Acetate
Concen: 5.018 ug/L
RT: 2.960 min Scan# 504
Delta R.T. -0.007 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

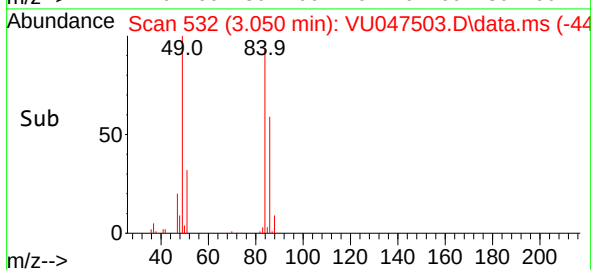
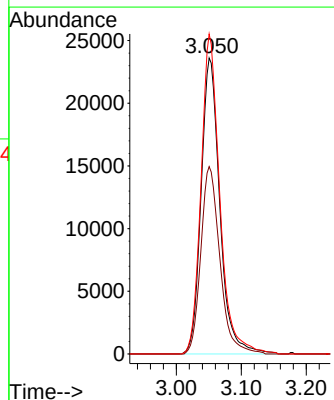
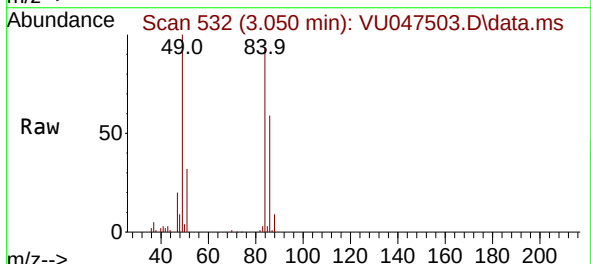
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

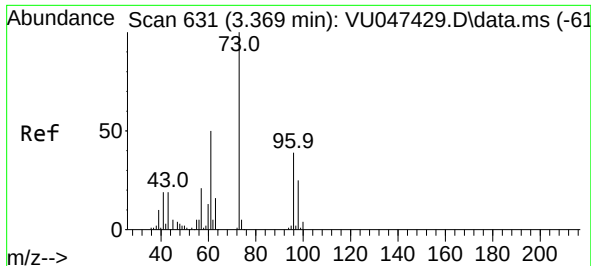
Tgt Ion: 43 Resp: 14907
Ion Ratio Lower Upper
43 100
74 33.6 20.2 30.2#



#16
Methylene chloride
Concen: 5.339 ug/L
RT: 3.050 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 84 Resp: 47413
Ion Ratio Lower Upper
84 100
86 63.3 45.9 85.3
49 108.1 76.4 141.8

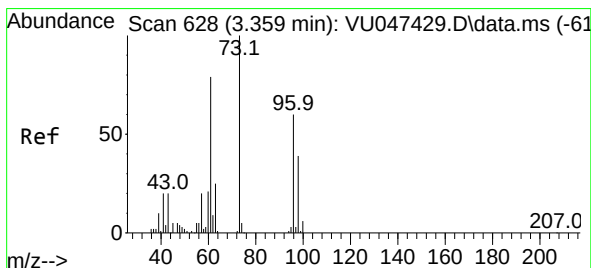
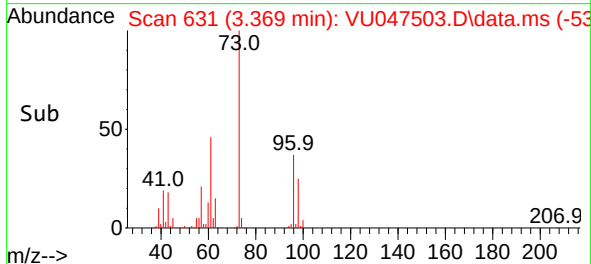
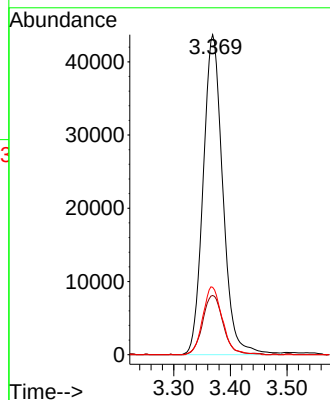
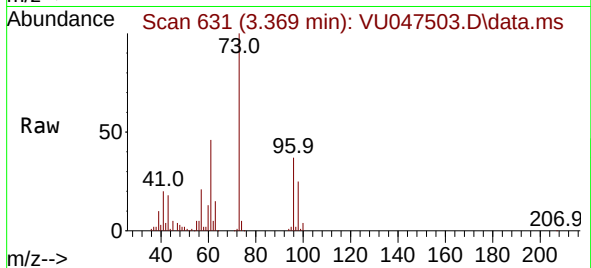




#17
Methyl tert-butyl Ether
Concen: 5.492 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

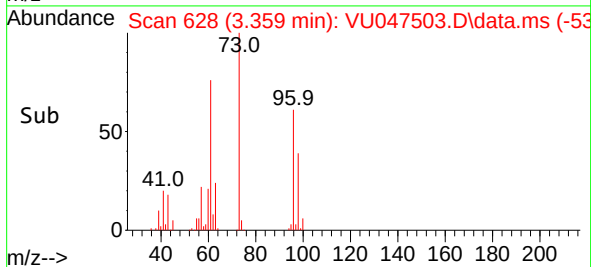
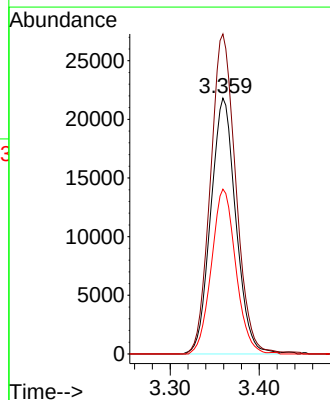
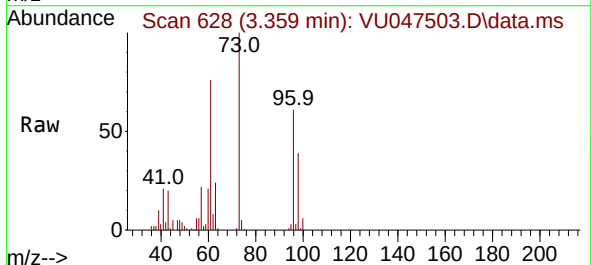
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

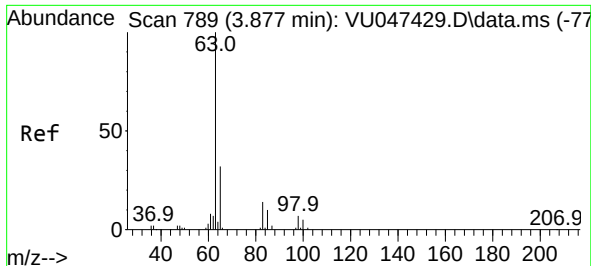
Tgt Ion: 73 Resp: 105376
Ion Ratio Lower Upper
73 100
43 19.2 14.6 22.0
57 21.2 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 5.354 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 96 Resp: 42644
Ion Ratio Lower Upper
96 100
61 125.1 90.4 167.8
98 64.4 45.0 83.6





#19

1,1-Dichloroethane

Concen: 5.545 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

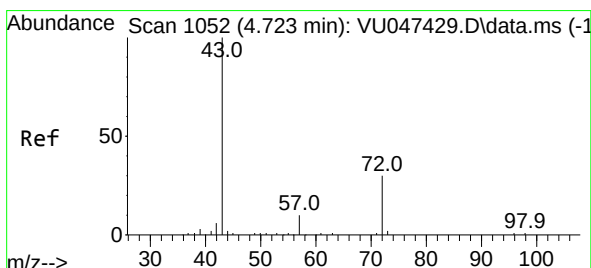
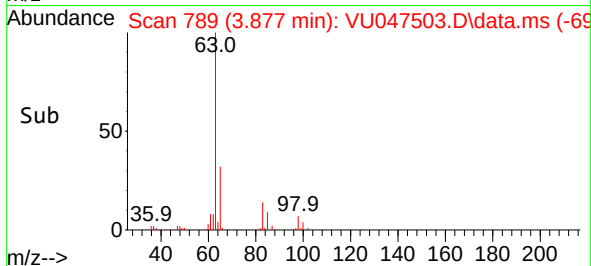
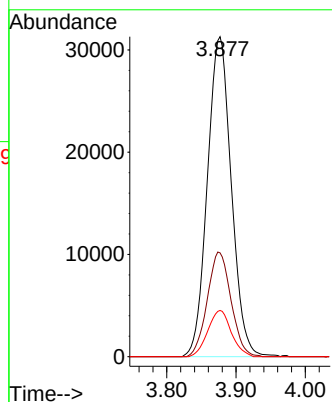
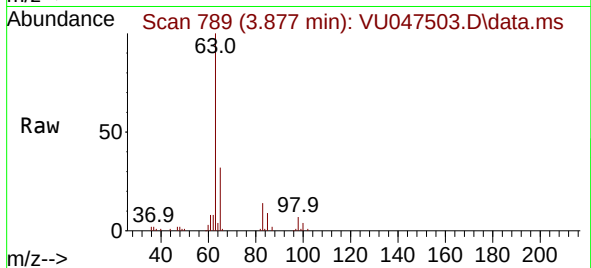
Tgt Ion: 63 Resp: 75121

Ion Ratio Lower Upper

63 100

65 32.4 22.8 42.4

83 14.5 9.9 18.3



#21

2-Butanone

Concen: 58.896 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.007 min

Lab File: VU047503.D

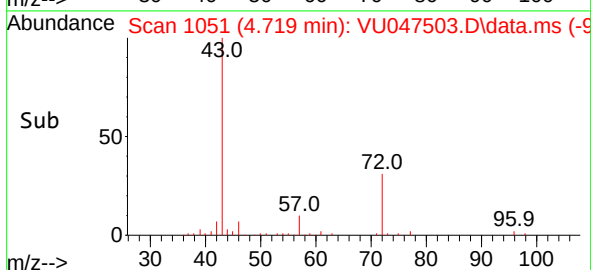
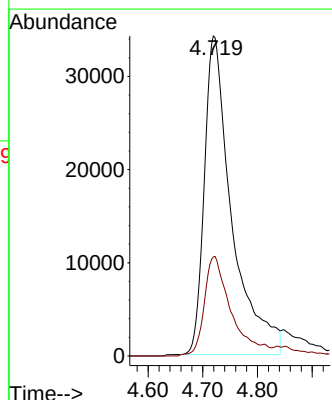
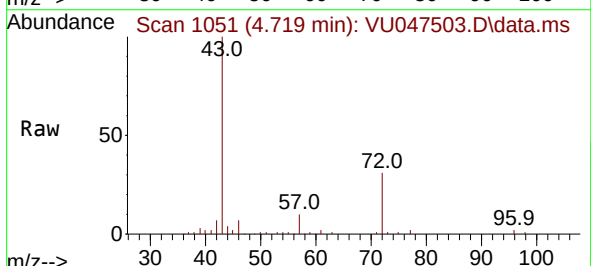
Acq: 11 Mar 2022 19:33

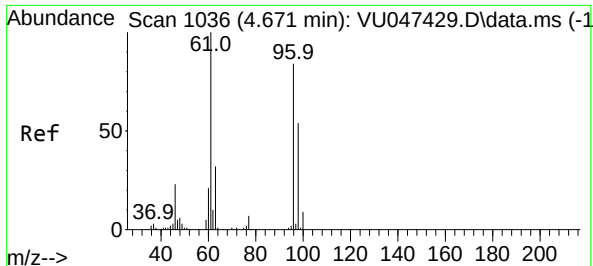
Tgt Ion: 43 Resp: 119237

Ion Ratio Lower Upper

43 100

72 29.7 14.7 44.1





#22

cis-1,2-Dichloroethene

Concen: 5.402 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

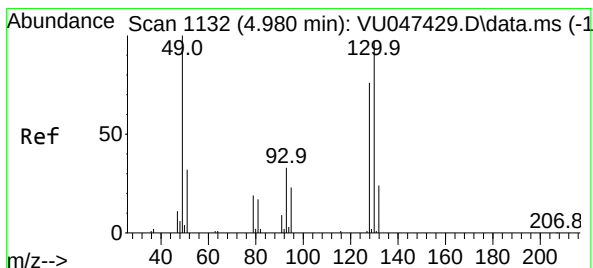
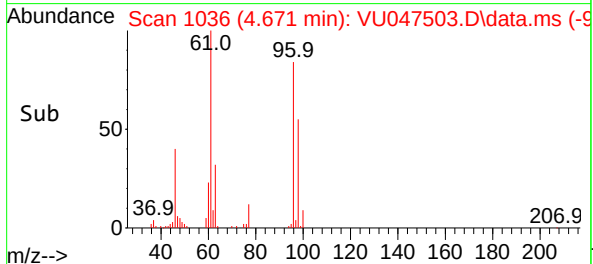
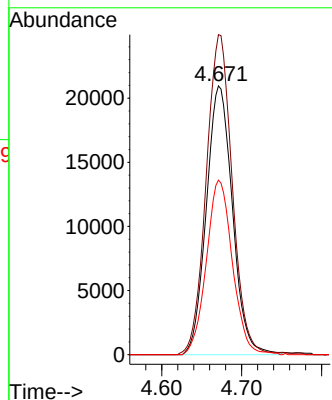
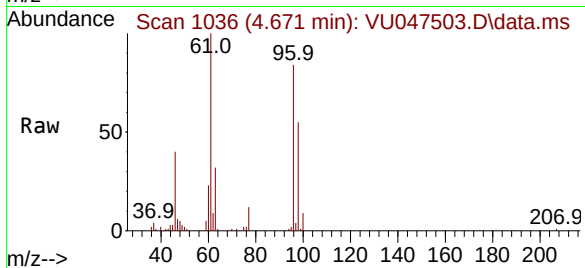
Tgt Ion: 96 Resp: 47675

Ion Ratio Lower Upper

96 100

61 119.0 80.8 150.0

98 65.0 44.7 83.1



#23

Bromochloromethane

Concen: 5.931 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Tgt Ion: 128 Resp: 25013

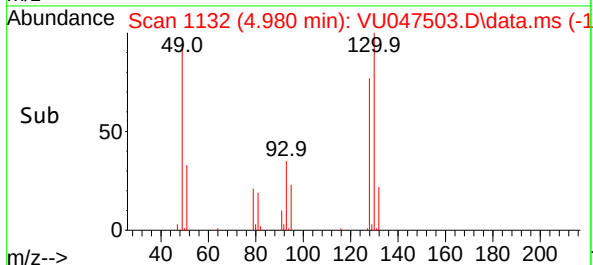
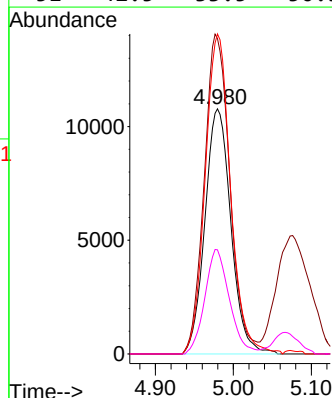
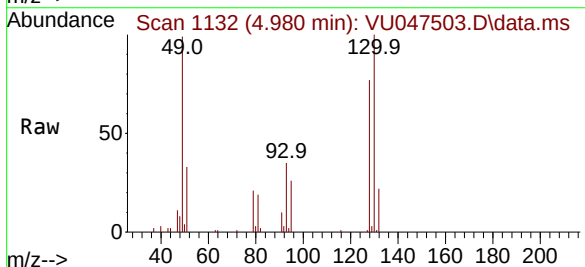
Ion Ratio Lower Upper

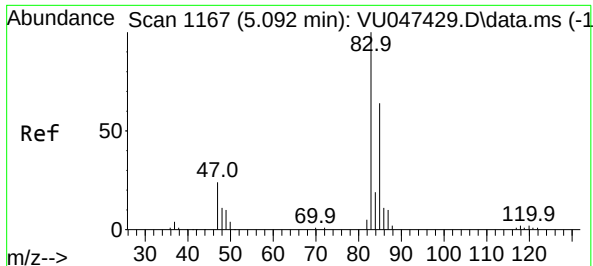
128 100

49 128.7 91.6 170.2

130 130.6 89.6 166.4

51 42.5 33.5 50.3





#25

Chloroform

Concen: 5.639 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

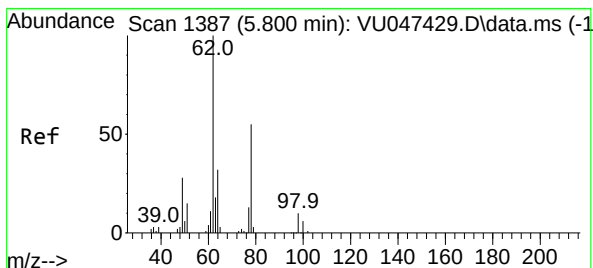
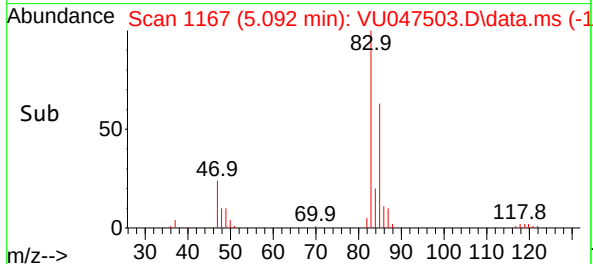
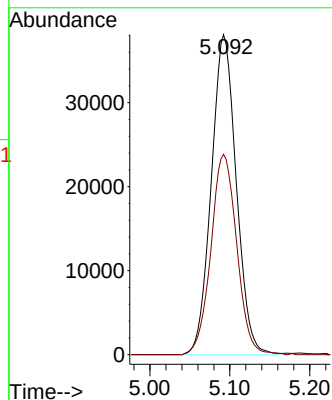
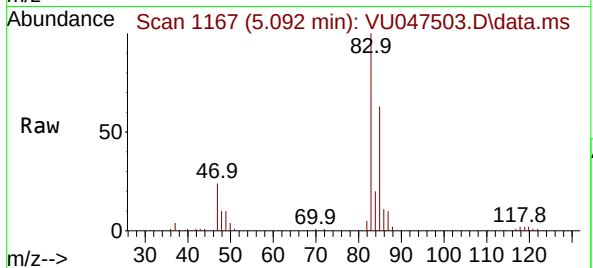
VSTD005097

Tgt Ion: 83 Resp: 82716

Ion Ratio Lower Upper

83 100

85 62.6 46.2 85.8



#27

1,2-Dichloroethane

Concen: 5.781 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU047503.D

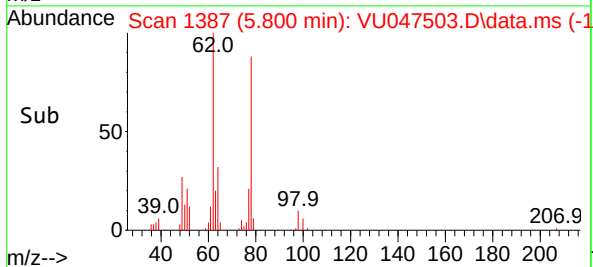
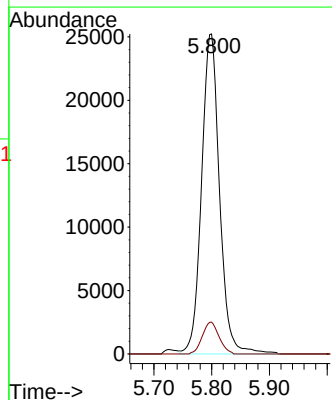
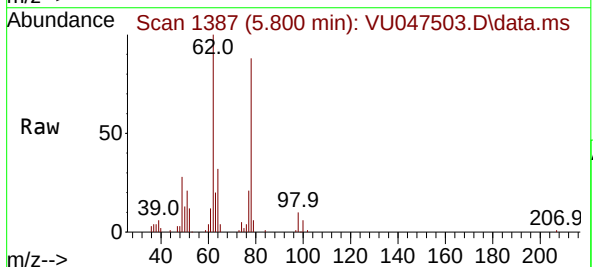
Acq: 11 Mar 2022 19:33

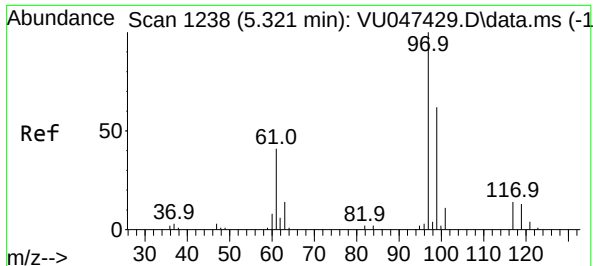
Tgt Ion: 62 Resp: 54596

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.461 ug/L

RT: 5.320 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

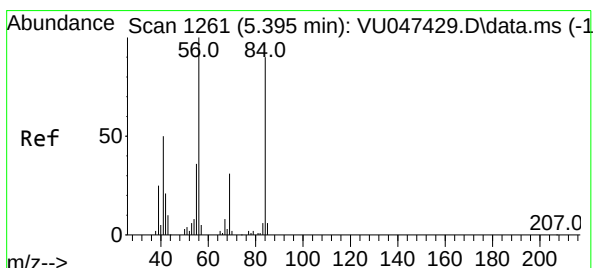
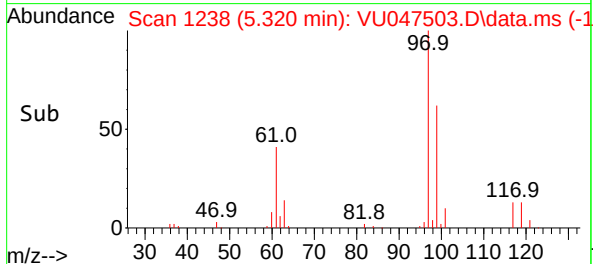
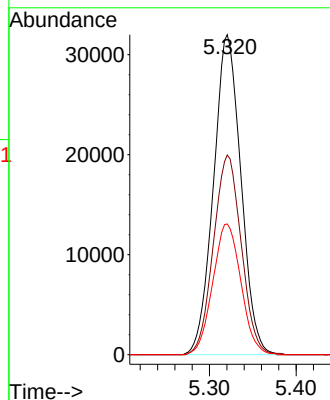
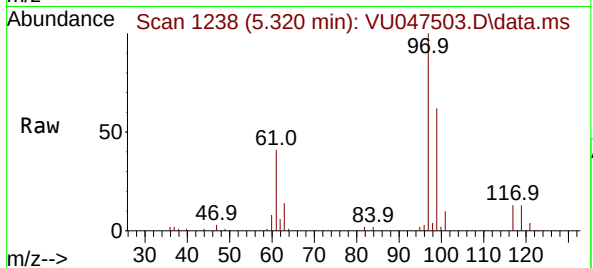
Tgt Ion: 97 Resp: 70391

Ion Ratio Lower Upper

97 100

99 63.3 52.1 78.1

61 42.0 33.8 50.6



#30

Cyclohexane

Concen: 4.427 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

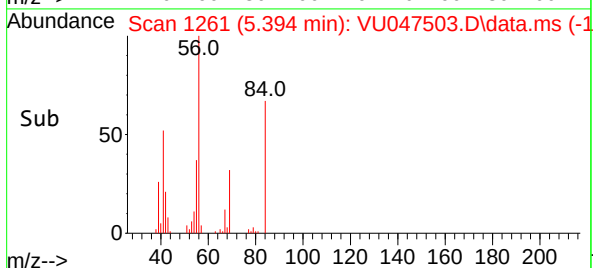
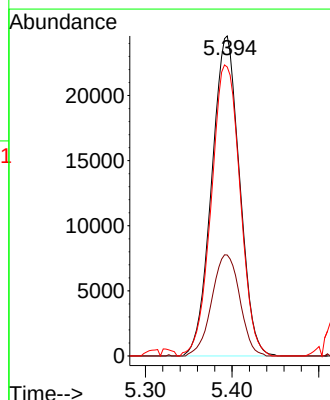
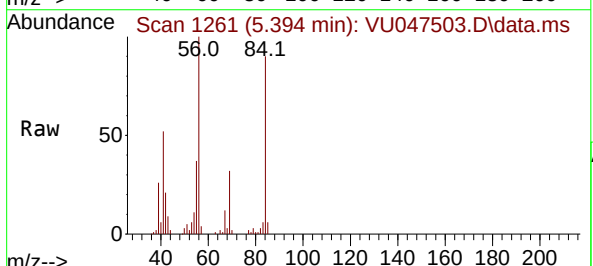
Tgt Ion: 56 Resp: 54971

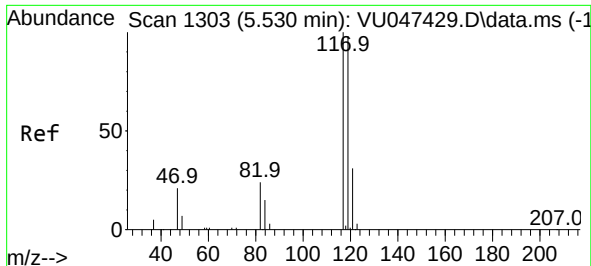
Ion Ratio Lower Upper

56 100

69 31.8 26.0 39.0

84 93.8 76.3 114.5

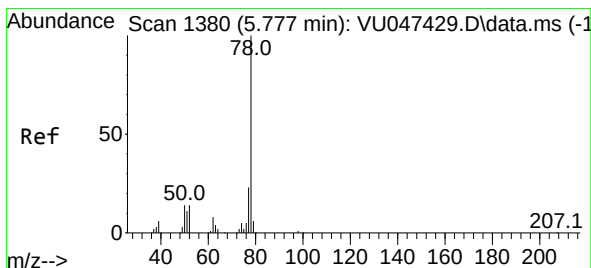
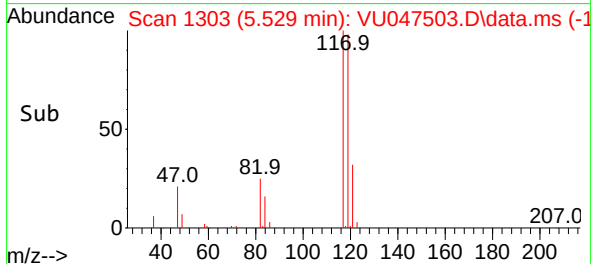
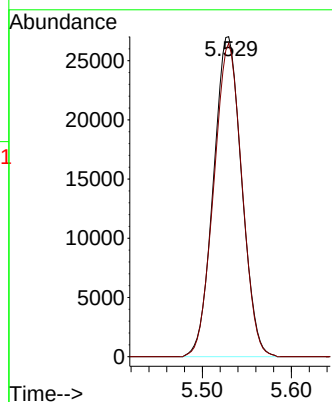
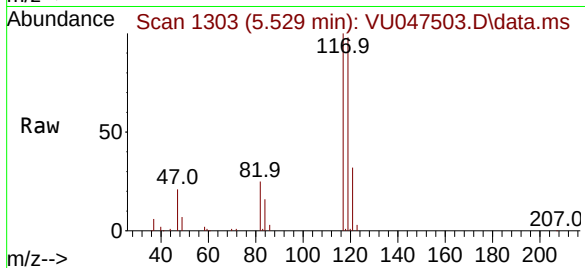




#31
Carbon tetrachloride
Concen: 5.255 ug/L
RT: 5.529 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

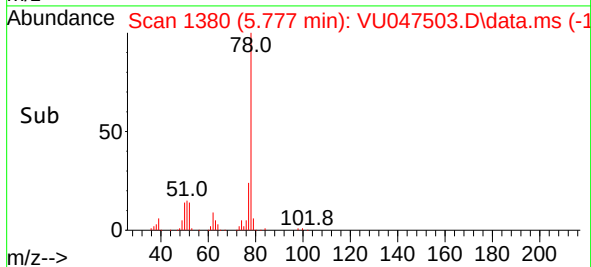
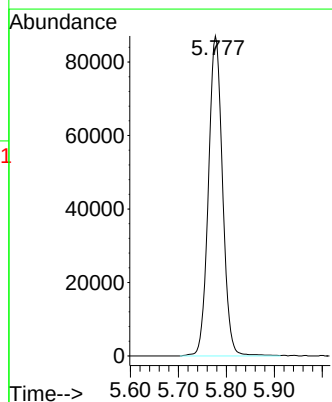
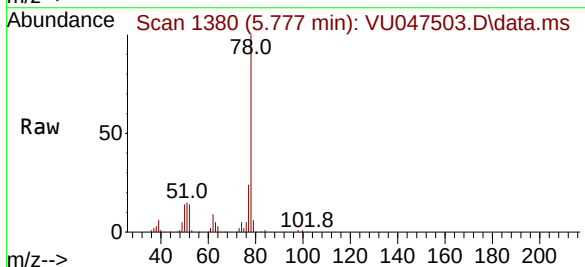
Instrument : MSVOA_U
ClientSampleId : VSTD005097

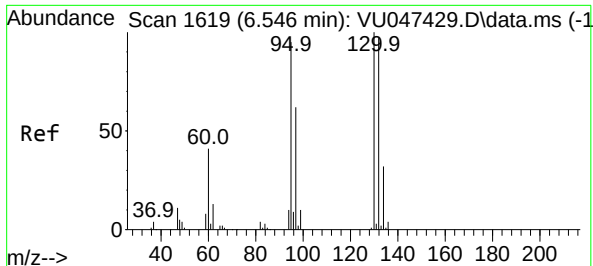
Tgt Ion:117 Resp: 59499
Ion Ratio Lower Upper
117 100
119 97.3 75.8 113.8



#33
Benzene
Concen: 5.294 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 78 Resp: 178396





#34

Trichloroethene

Concen: 5.035 ug/L

RT: 6.545 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

Tgt Ion: 95 Resp: 45353

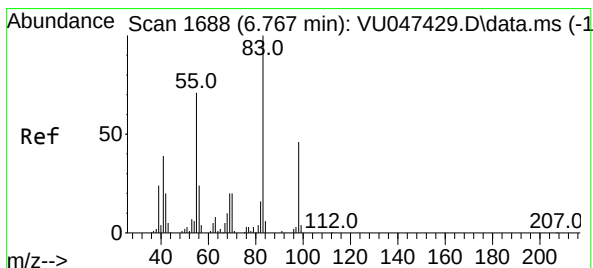
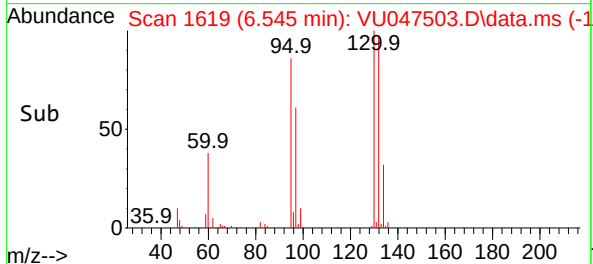
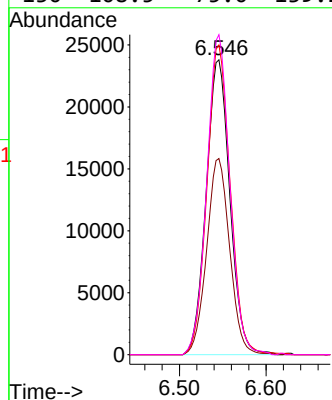
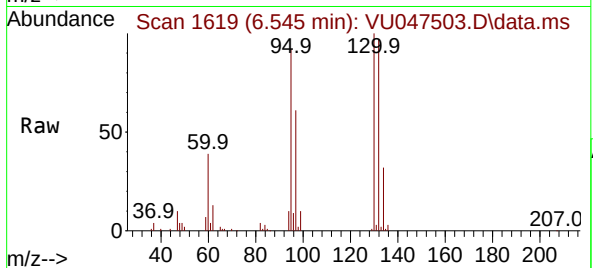
Ion Ratio Lower Upper

95 100

97 66.5 46.3 85.9

132 105.0 71.7 133.1

130 108.5 75.0 139.2



#35

Methylcyclohexane

Concen: 3.962 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

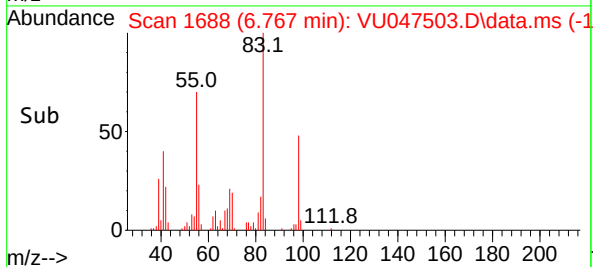
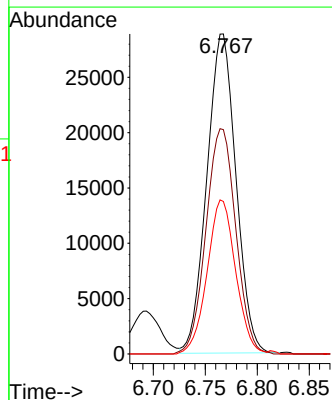
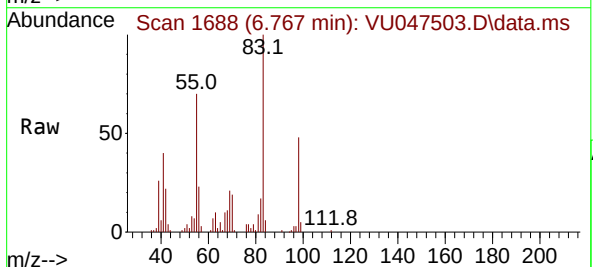
Tgt Ion: 83 Resp: 56298

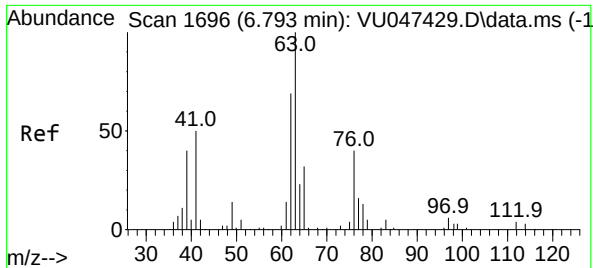
Ion Ratio Lower Upper

83 100

55 72.4 57.8 86.8

98 47.2 38.0 57.0

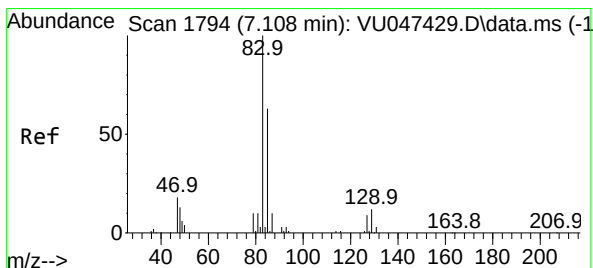
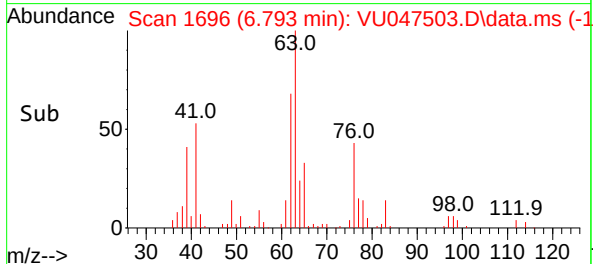
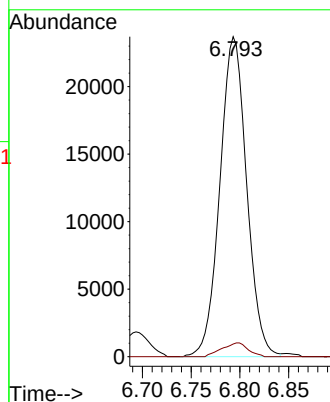
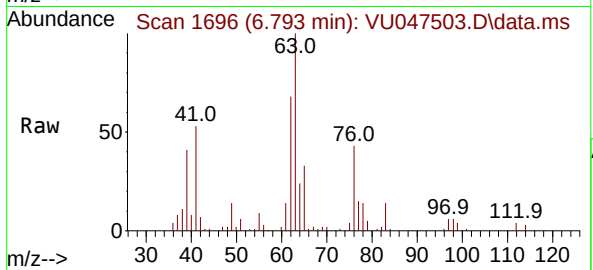




#37
1,2-Dichloropropane
Concen: 5.397 ug/L
RT: 6.793 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

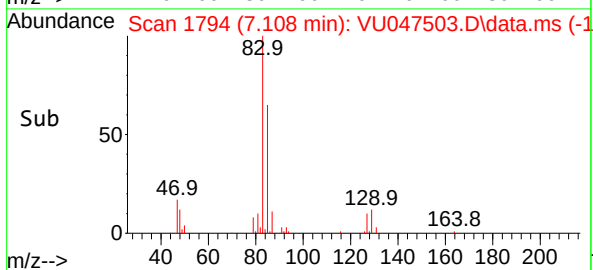
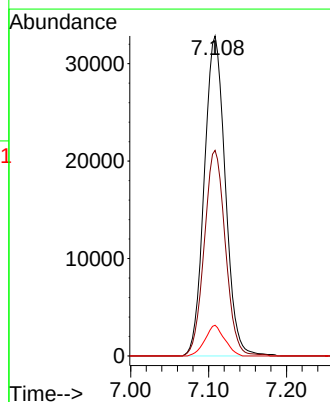
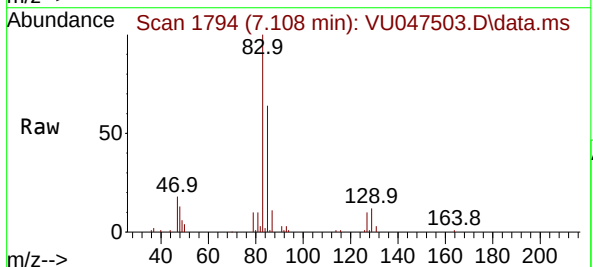
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

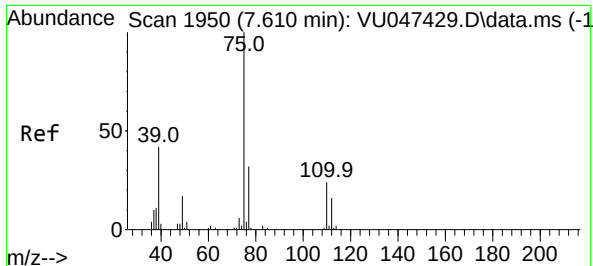
Tgt Ion: 63 Resp: 45292
Ion Ratio Lower Upper
63 100
112 4.2 3.3 4.9



#38
Bromodichloromethane
Concen: 5.523 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 83 Resp: 61529
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6
127 9.6 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 5.027 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

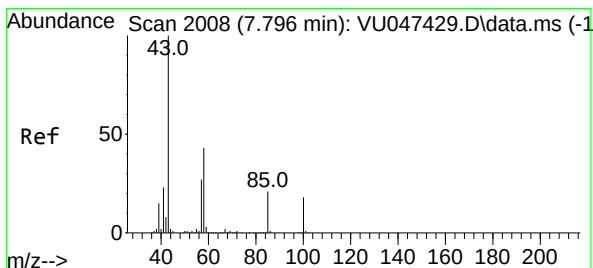
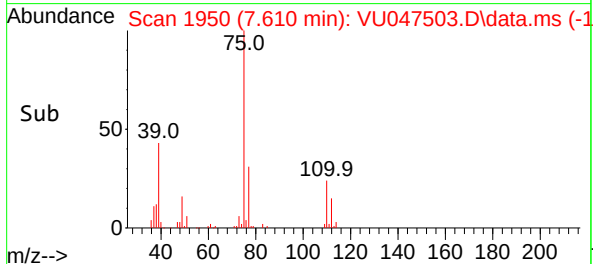
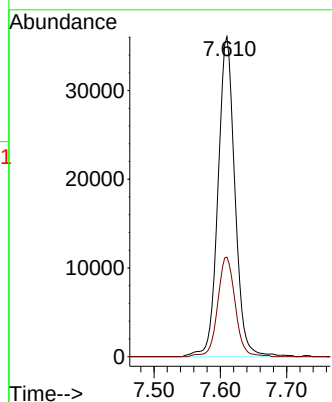
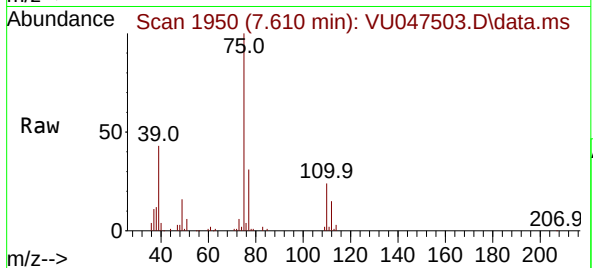
VSTD005097

Tgt Ion: 75 Resp: 63950

Ion Ratio Lower Upper

75 100

77 31.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 52.949 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

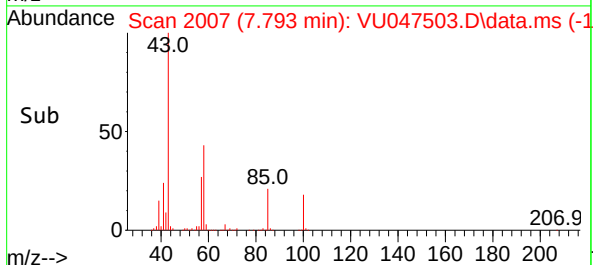
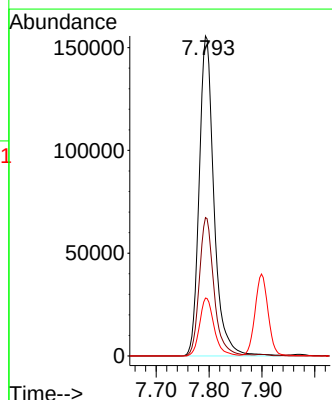
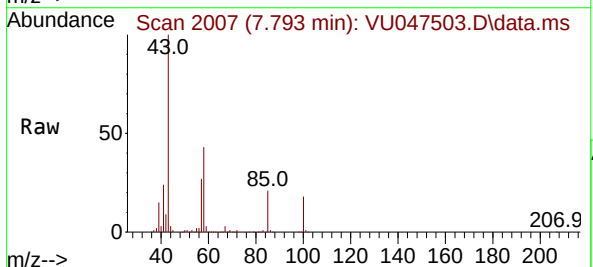
Tgt Ion: 43 Resp: 302898

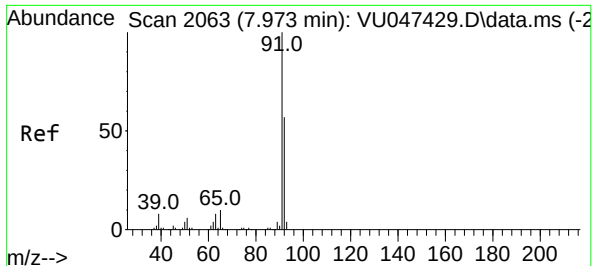
Ion Ratio Lower Upper

43 100

58 42.9 34.8 52.2

100 17.8 14.2 21.4





#42

Toluene

Concen: 5.166 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

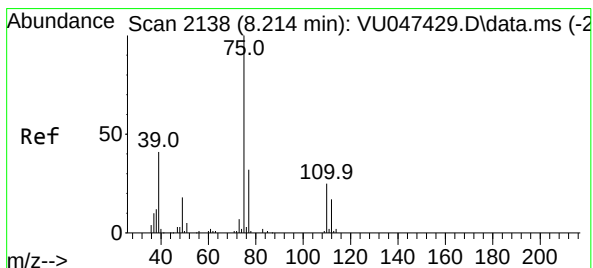
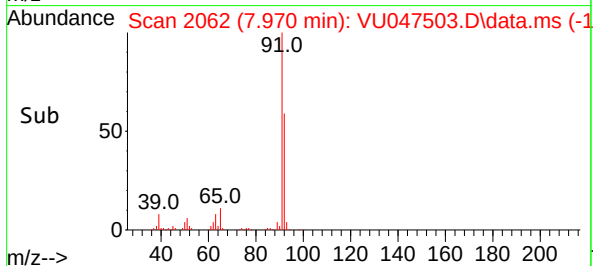
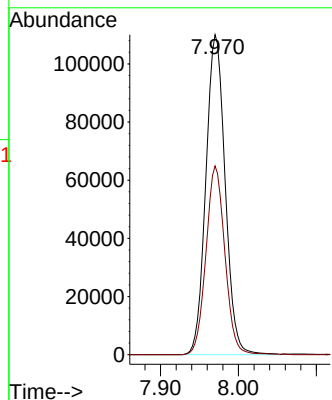
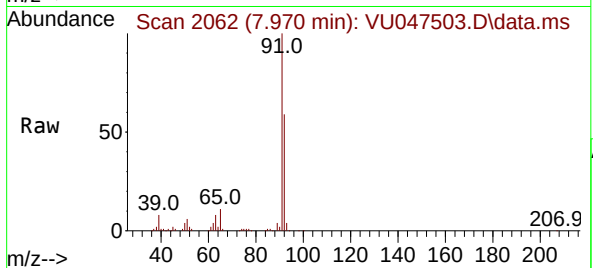
VSTD005097

Tgt Ion: 91 Resp: 189088

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.043 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU047503.D

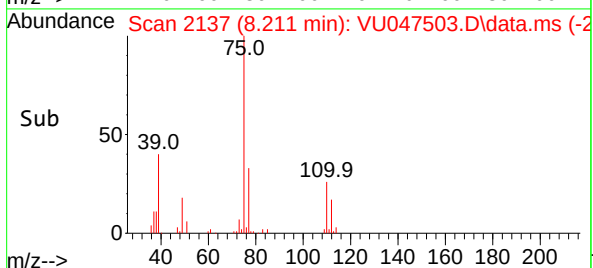
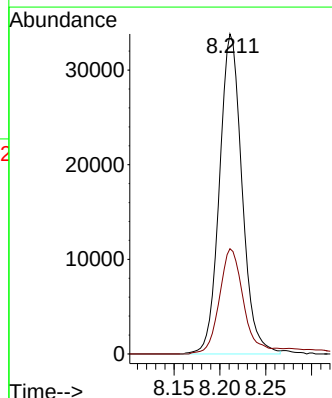
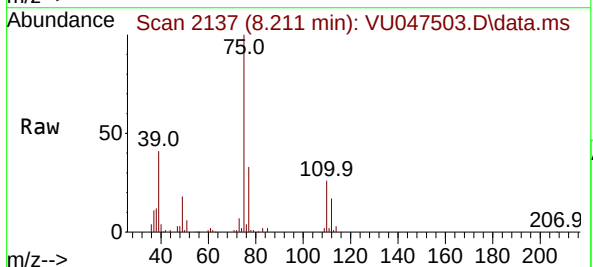
Acq: 11 Mar 2022 19:33

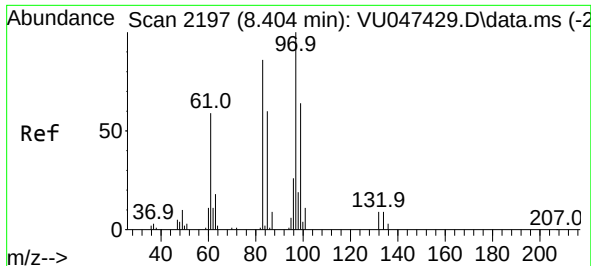
Tgt Ion: 75 Resp: 57865

Ion Ratio Lower Upper

75 100

77 32.9 23.6 43.8

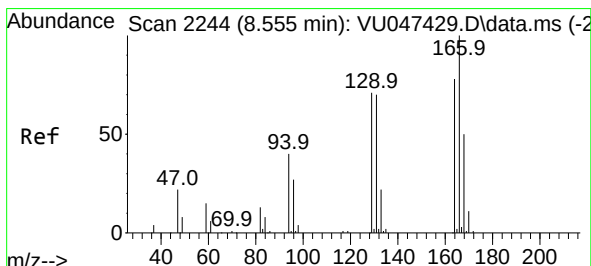
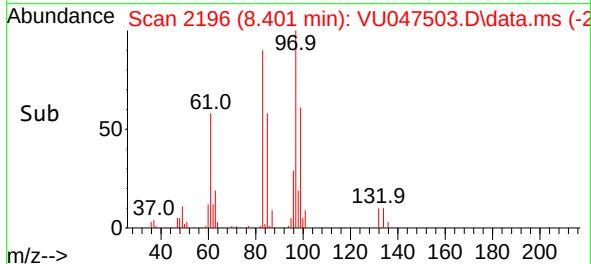
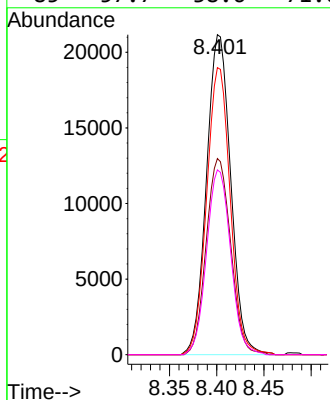
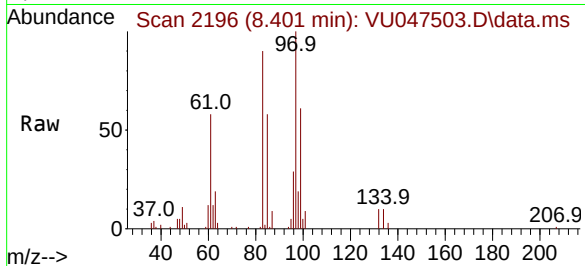




#45
1,1,2-Trichloroethane
Concen: 5.485 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

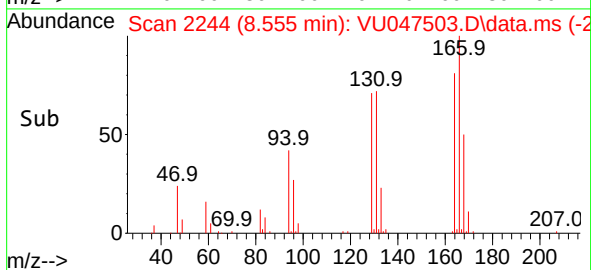
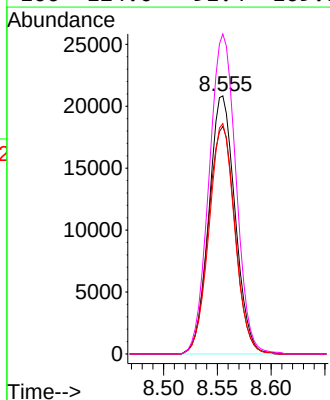
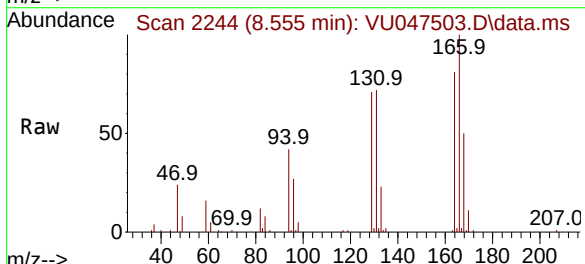
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

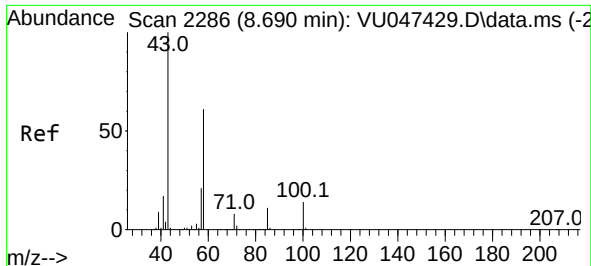
Tgt Ion:	97	Resp:	37720
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.3	80.5
83	89.7	59.1	109.9
85	57.7	38.6	71.6



#47
Tetrachloroethene
Concen: 4.623 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion:	164	Resp:	35324
Ion	Ratio	Lower	Upper
164	100		
129	88.1	64.9	120.5
131	89.3	63.6	118.2
166	124.0	91.4	169.8

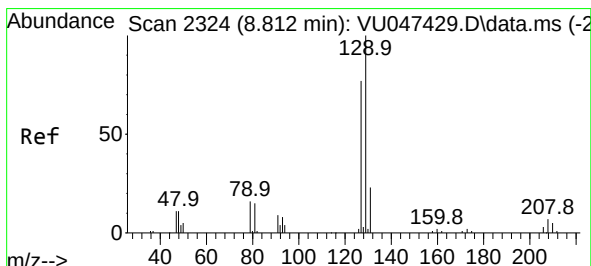
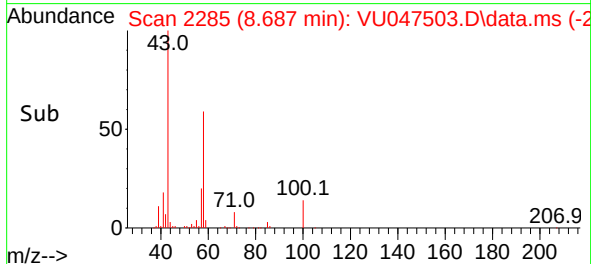
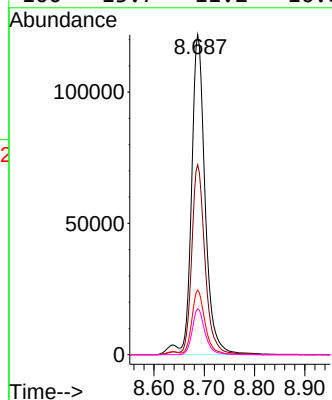
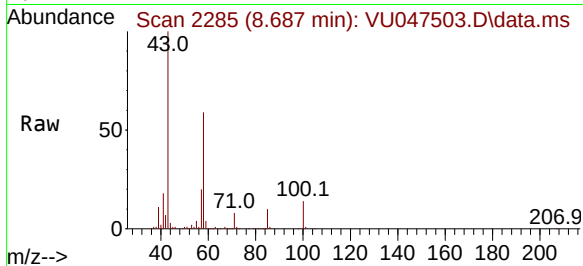




#48
2-Hexanone
Concen: 54.018 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

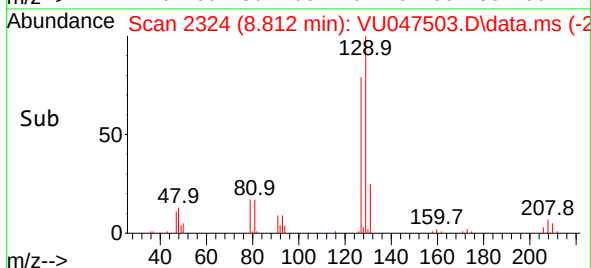
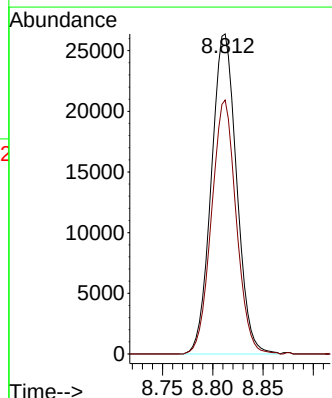
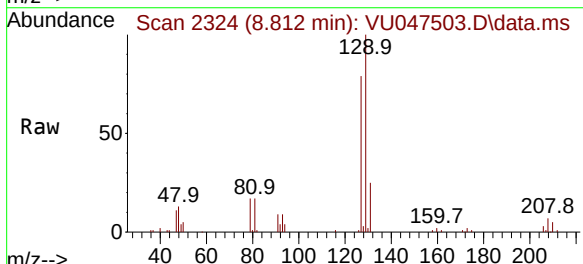
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

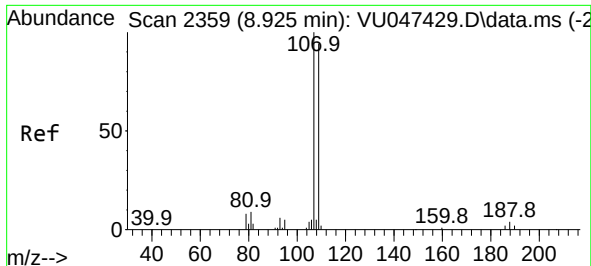
Tgt Ion: 43 Resp: 224190
Ion Ratio Lower Upper
43 100
58 58.0 47.7 71.5
57 19.8 16.6 25.0
100 13.7 11.2 16.8



#49
Dibromochloromethane
Concen: 5.522 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 129 Resp: 46135
Ion Ratio Lower Upper
129 100
127 79.3 52.6 97.8





#50

1,2-Dibromoethane

Concen: 5.417 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

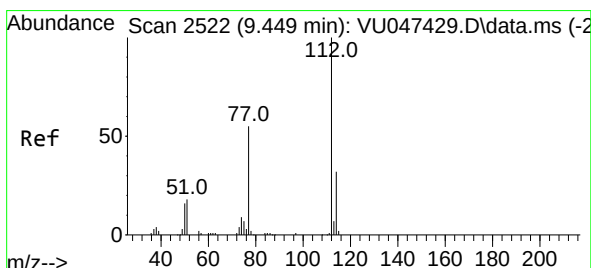
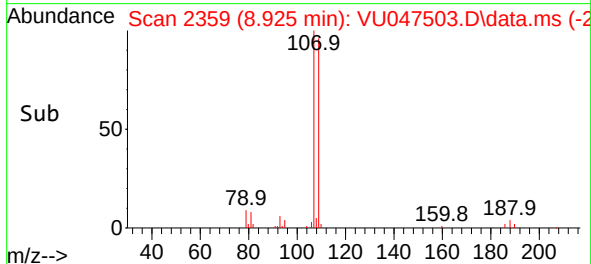
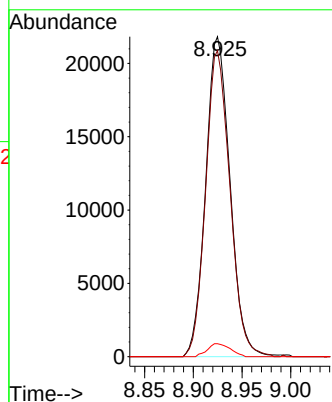
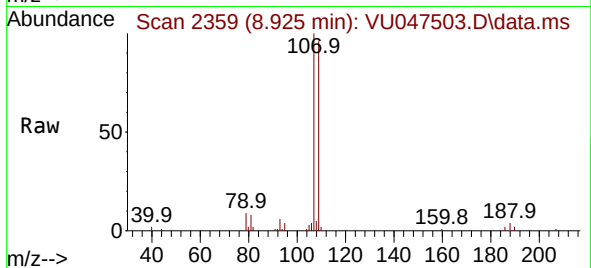
Tgt Ion:107 Resp: 37906

Ion Ratio Lower Upper

107 100

109 95.6 65.8 122.2

188 4.0 3.3 4.9



#51

Chlorobenzene

Concen: 5.238 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

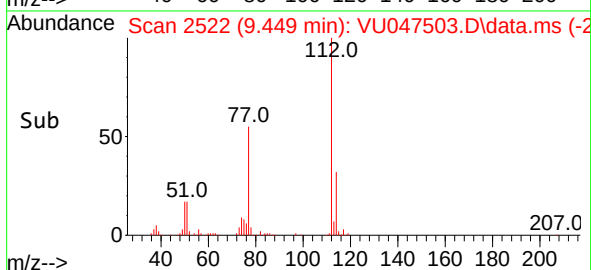
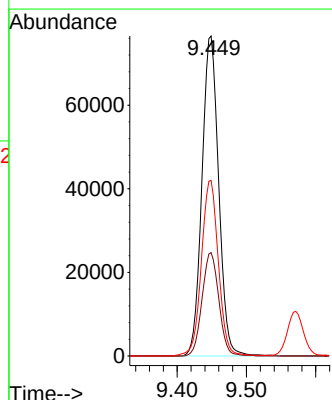
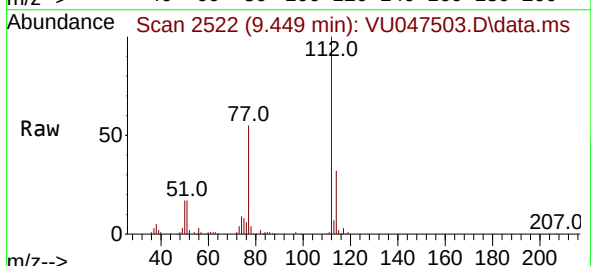
Tgt Ion:112 Resp: 128261

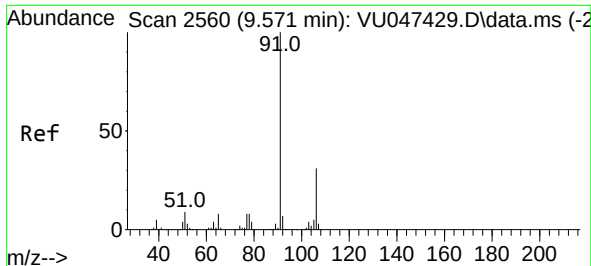
Ion Ratio Lower Upper

112 100

114 32.3 22.8 42.4

77 54.9 45.0 67.6

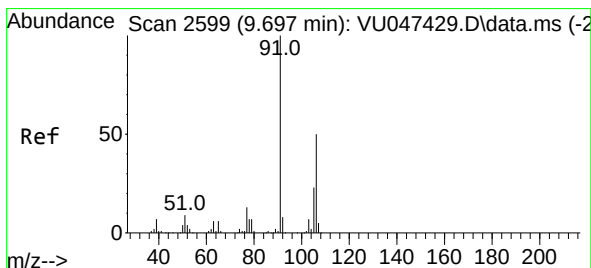
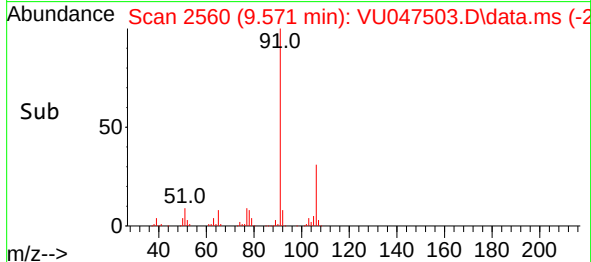
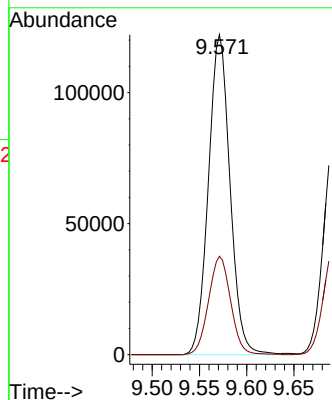
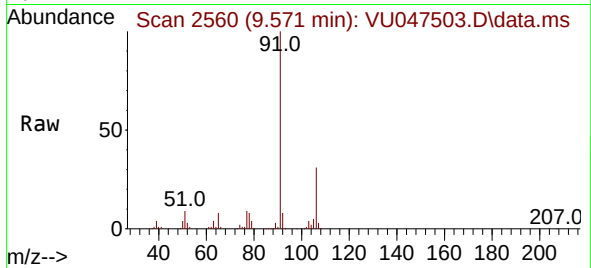




#52
Ethylbenzene
Concen: 4.887 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

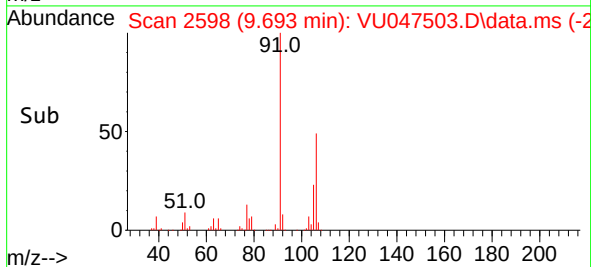
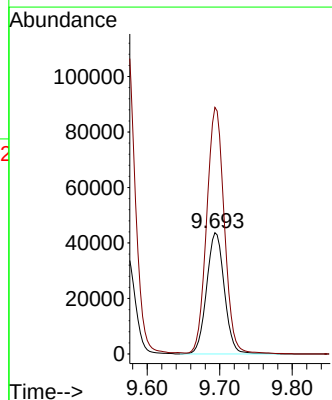
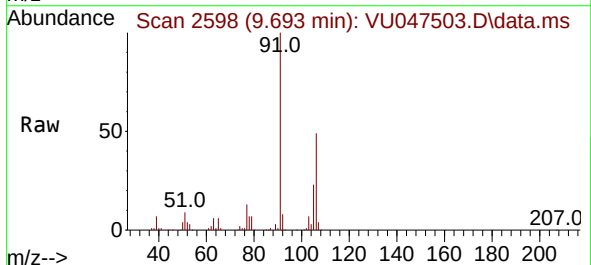
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

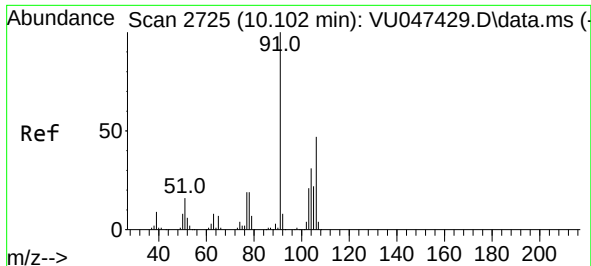
Tgt Ion: 91 Resp: 193720
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6



#53
m,p-Xylene
Concen: 4.791 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion: 106 Resp: 74510
Ion Ratio Lower Upper
106 100
91 203.3 138.8 257.8

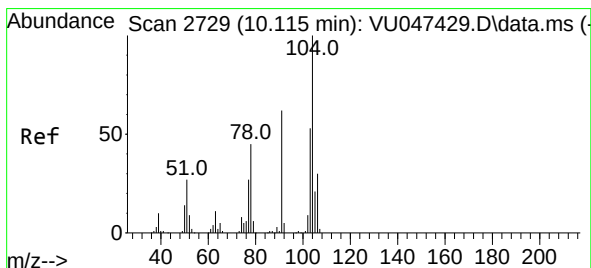
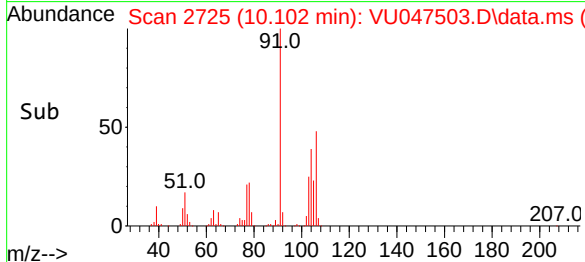
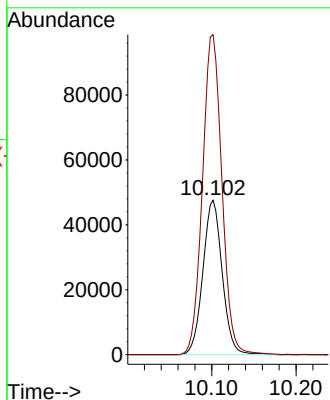
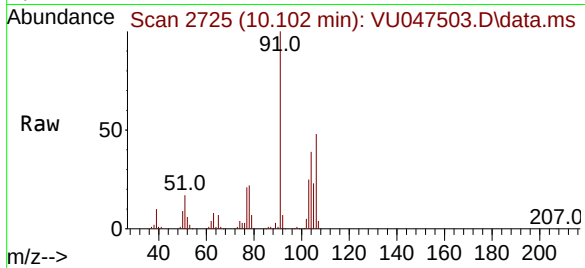




#54
o-Xylene
Concen: 5.042 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

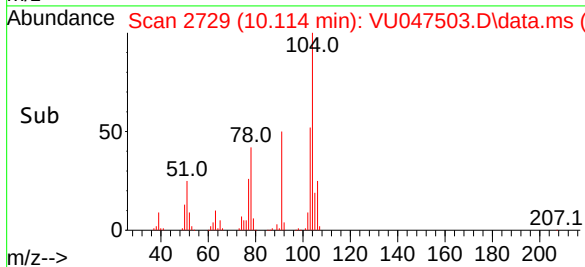
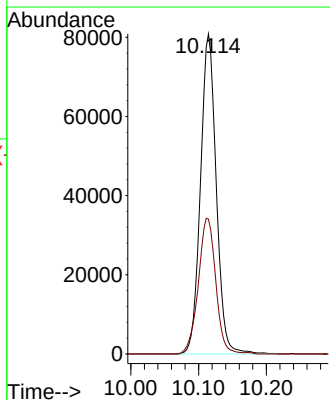
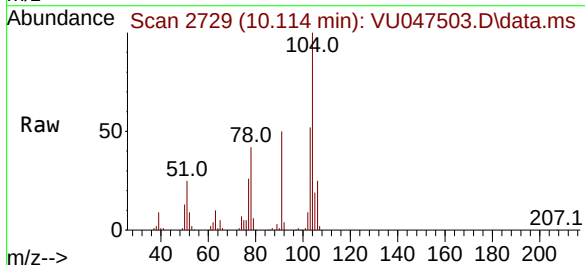
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

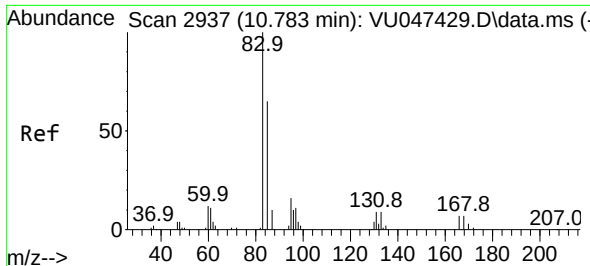
Tgt Ion:106 Resp: 75967
Ion Ratio Lower Upper
106 100
91 207.3 149.2 277.0



#55
Styrene
Concen: 5.130 ug/L
RT: 10.114 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion:104 Resp: 130669
Ion Ratio Lower Upper
104 100
78 42.1 30.4 56.4

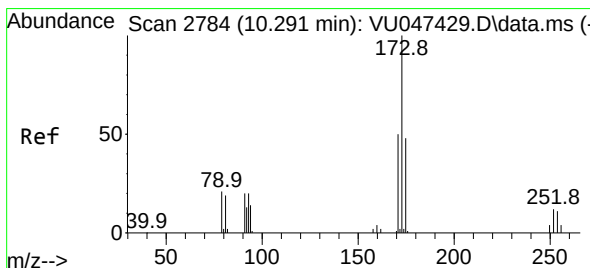
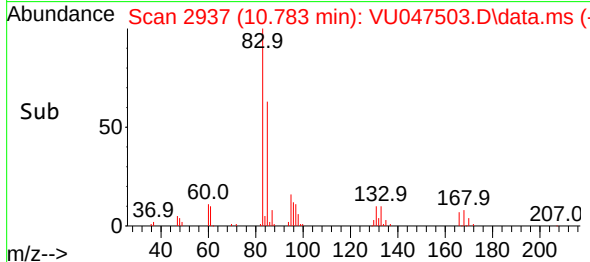
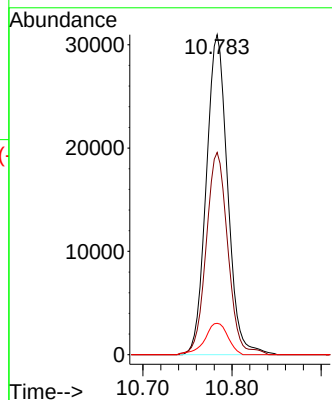
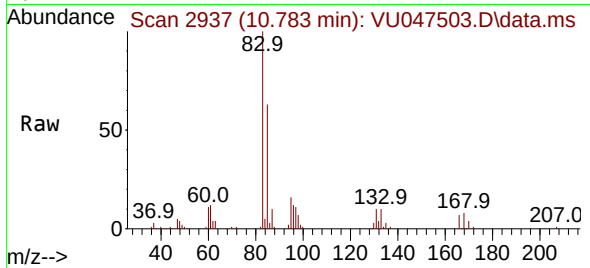




#57
1,1,2,2-Tetrachloroethane
Concen: 5.576 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

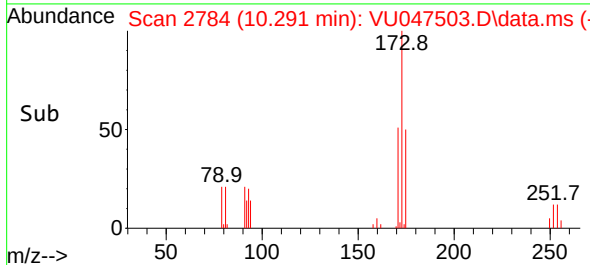
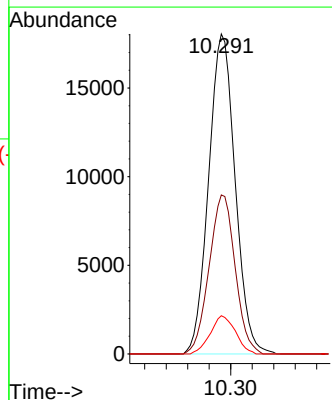
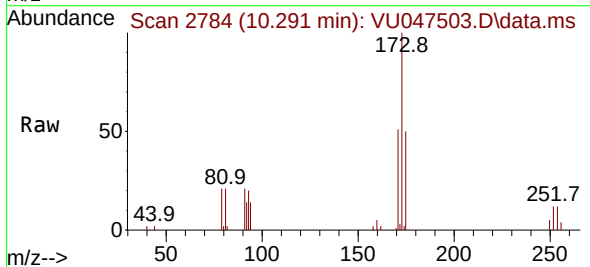
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

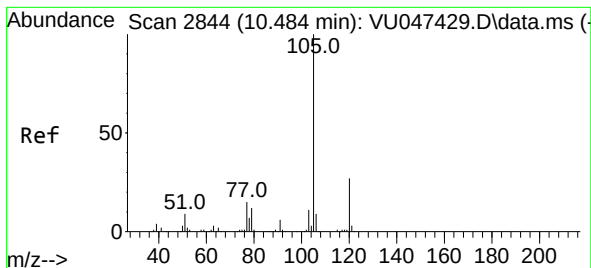
Tgt Ion:	83	Resp:	51333
Ion Ratio	Lower	Upper	
83	100		
85	63.2	46.0	85.4
131	9.8	8.2	12.4



#59
Bromoform
Concen: 5.910 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion:	173	Resp:	30896
Ion Ratio	Lower	Upper	
173	100		
175	48.8	38.7	58.1
254	11.3	9.0	13.4





#60

Isopropylbenzene

Concen: 4.922 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

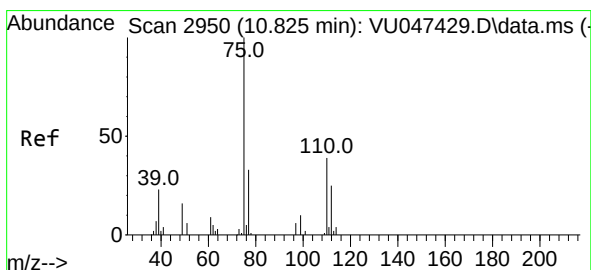
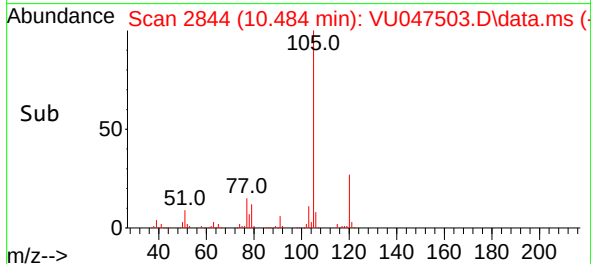
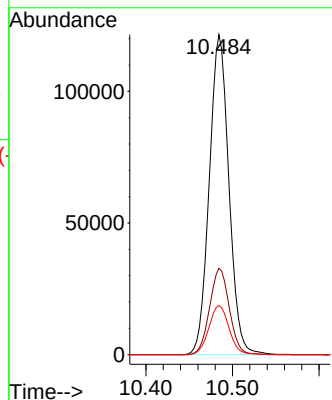
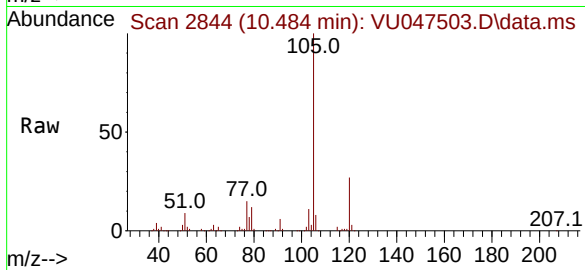
Tgt Ion:105 Resp: 191212

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.6

77 15.8 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 5.466 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

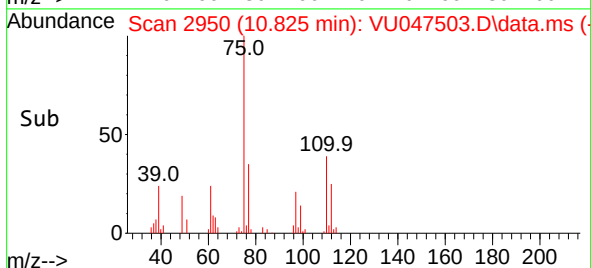
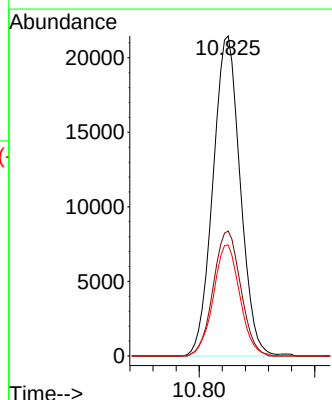
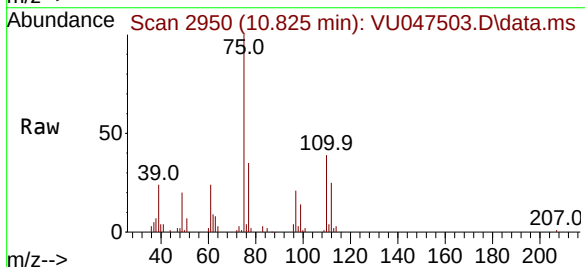
Tgt Ion: 75 Resp: 35157

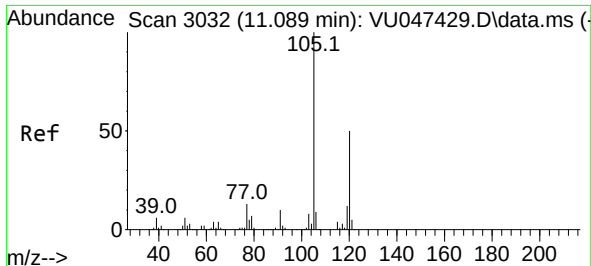
Ion Ratio Lower Upper

75 100

110 39.3 31.0 46.4

77 33.9 26.2 39.4

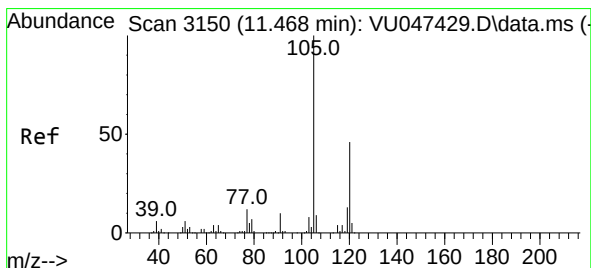
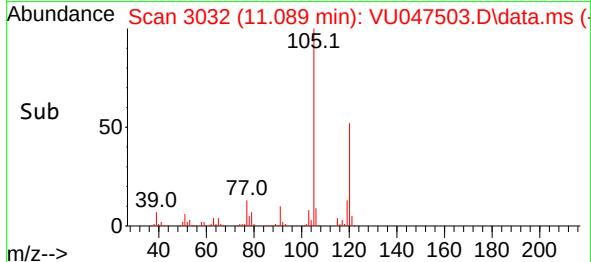
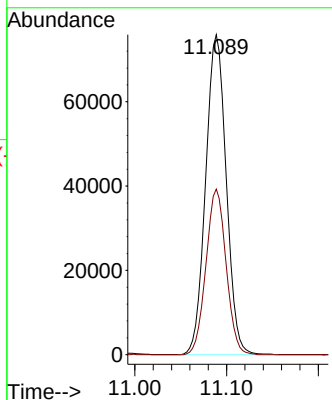
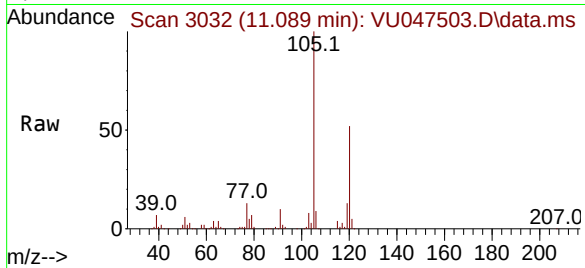




#62
1,3,5-Trimethylbenzene
Concen: 4.640 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

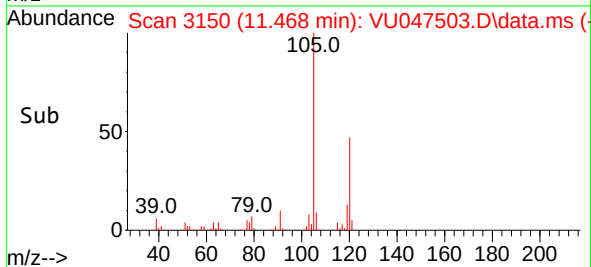
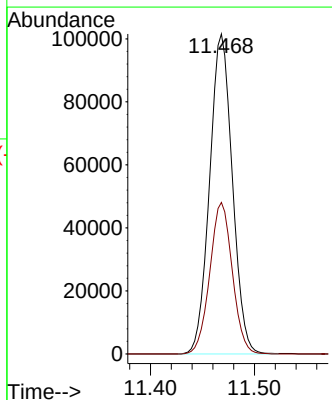
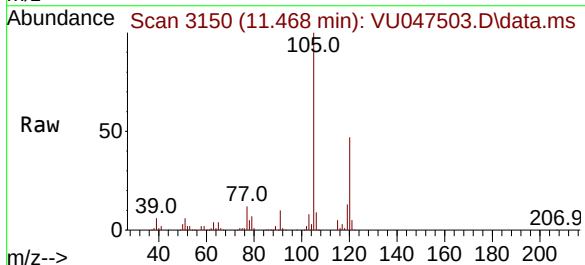
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

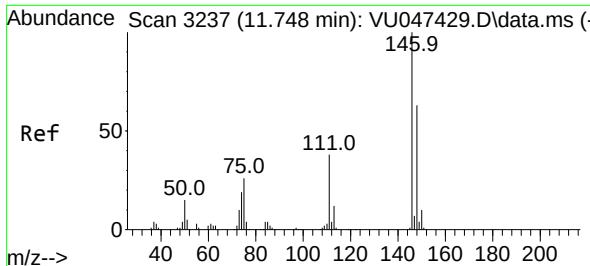
Tgt Ion:105 Resp: 118240
Ion Ratio Lower Upper
105 100
120 50.6 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 4.669 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion:105 Resp: 154326
Ion Ratio Lower Upper
105 100
120 46.8 37.2 55.8

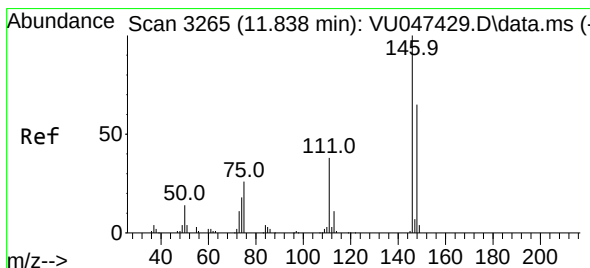
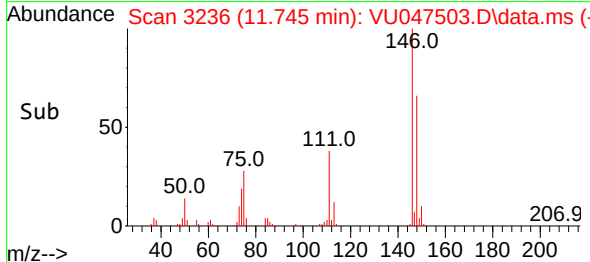
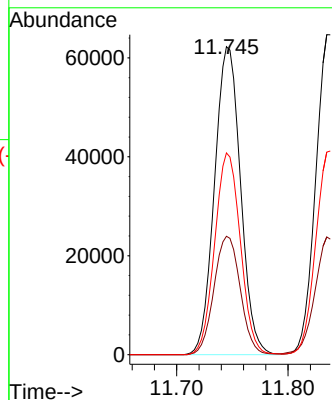
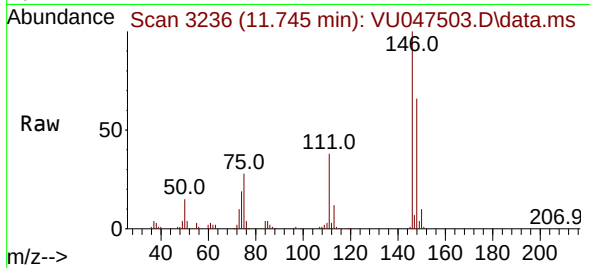




#64
1,3-Dichlorobenzene
Concen: 4.915 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

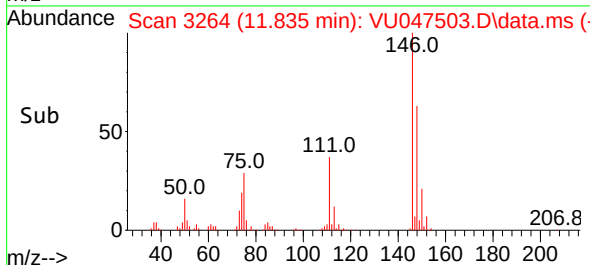
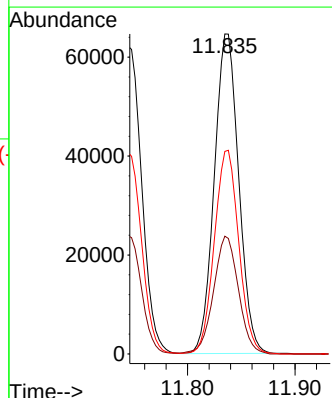
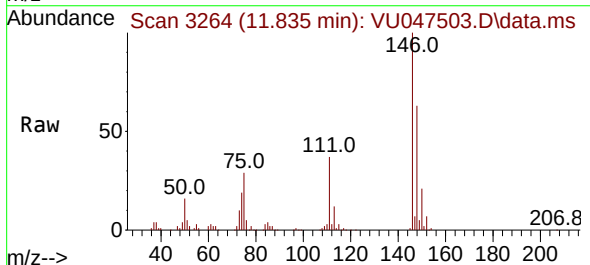
Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

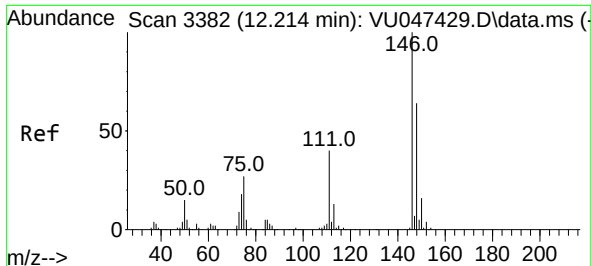
Tgt Ion:146 Resp: 101213
Ion Ratio Lower Upper
146 100
111 38.4 27.0 50.2
148 65.5 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 4.877 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion:146 Resp: 101986
Ion Ratio Lower Upper
146 100
111 36.8 26.1 48.5
148 63.3 45.6 84.6

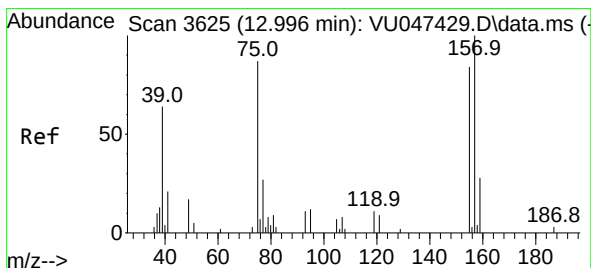
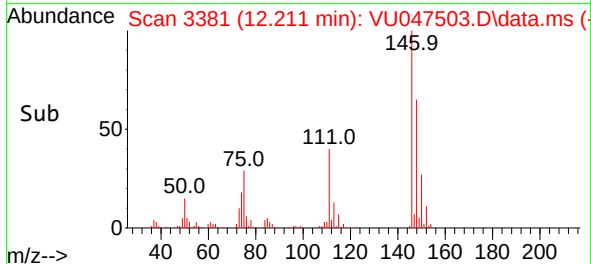
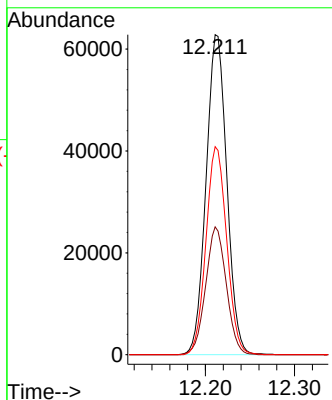
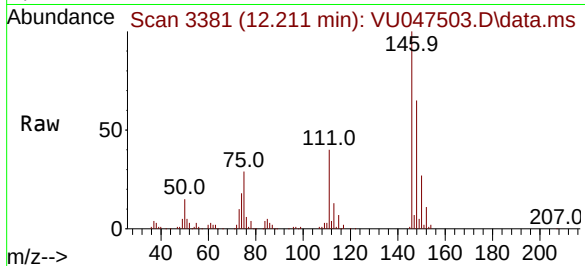




#67
 1,2-Dichlorobenzene
 Concen: 5.133 ug/L
 RT: 12.211 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VU047503.D
 Acq: 11 Mar 2022 19:33

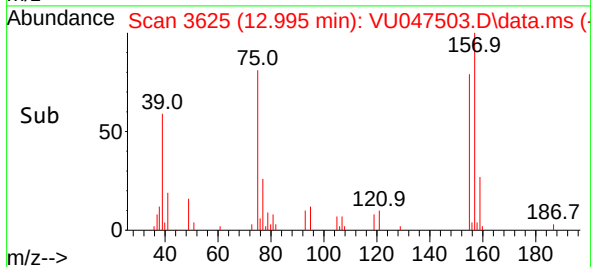
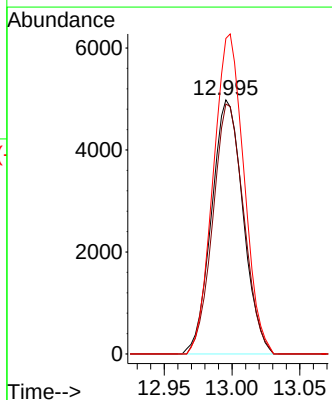
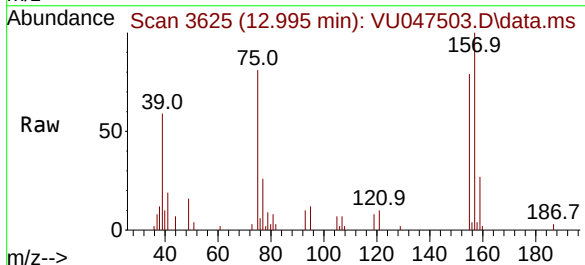
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005097

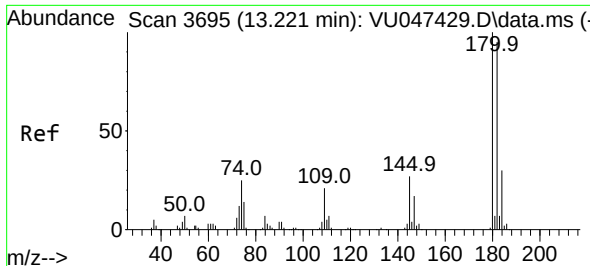
Tgt Ion:146 Resp: 101560
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.9 47.9
 148 65.0 50.5 75.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.572 ug/L
 RT: 12.995 min Scan# 3625
 Delta R.T. -0.003 min
 Lab File: VU047503.D
 Acq: 11 Mar 2022 19:33

Tgt Ion: 75 Resp: 8079
 Ion Ratio Lower Upper
 75 100
 155 98.4 71.3 106.9
 157 124.2 88.6 132.8





#69

1,3,5-Trichlorobenzene

Concen: 4.524 ug/L

RT: 13.220 min Scan# 3695

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005097

Tgt Ion:180 Resp: 76414

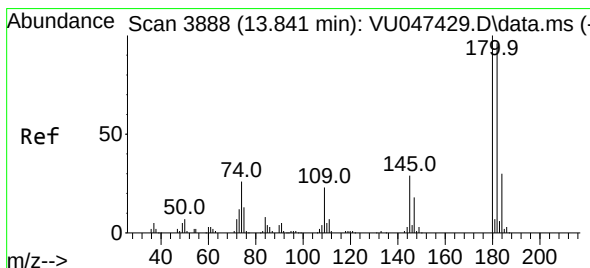
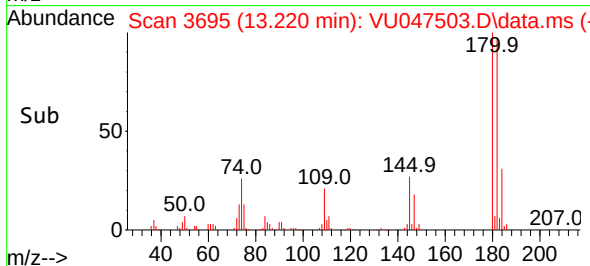
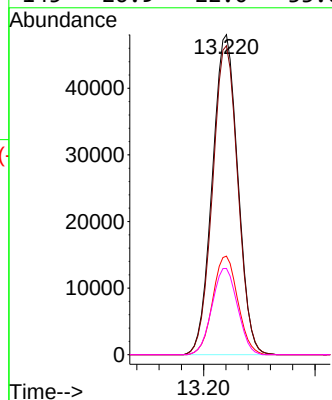
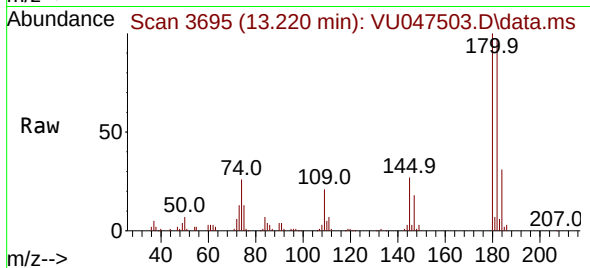
Ion Ratio Lower Upper

180 100

182 95.7 77.1 115.7

184 30.3 25.0 37.4

145 26.9 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 4.503 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU047503.D

Acq: 11 Mar 2022 19:33

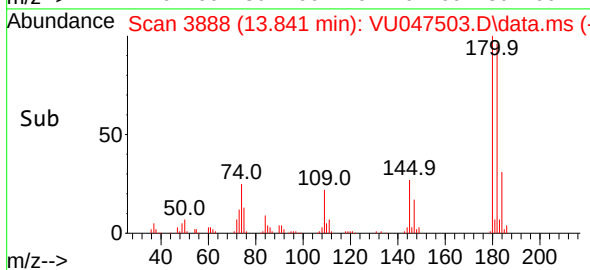
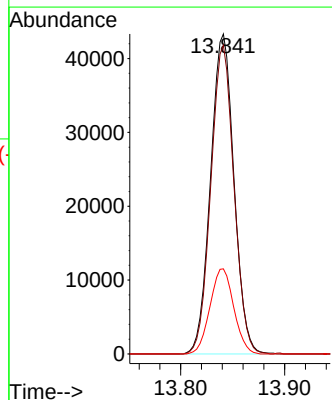
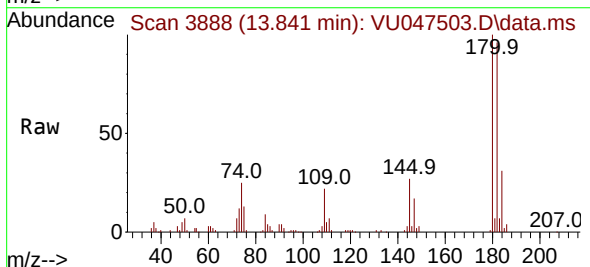
Tgt Ion:180 Resp: 67794

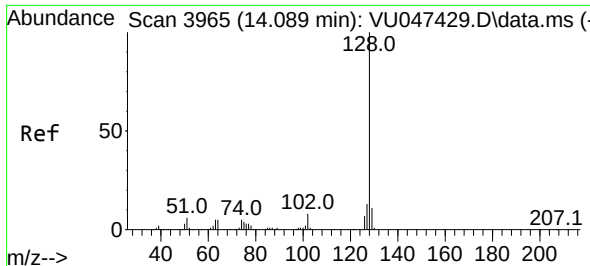
Ion Ratio Lower Upper

180 100

182 95.0 76.6 114.8

145 27.0 22.4 33.6

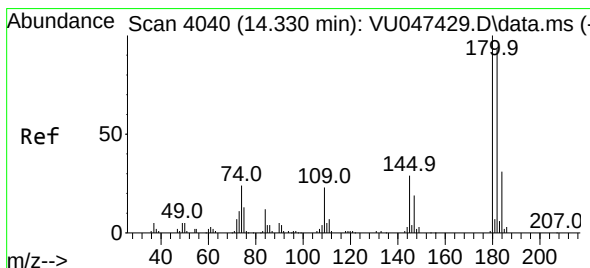
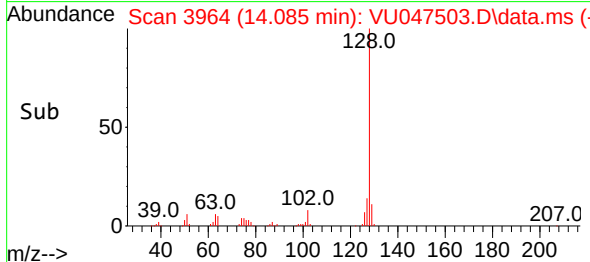
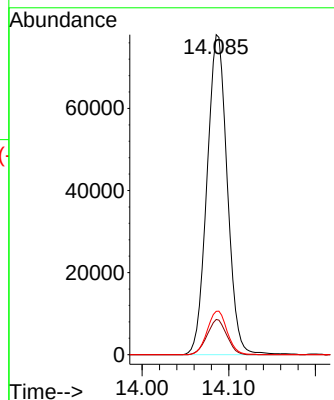
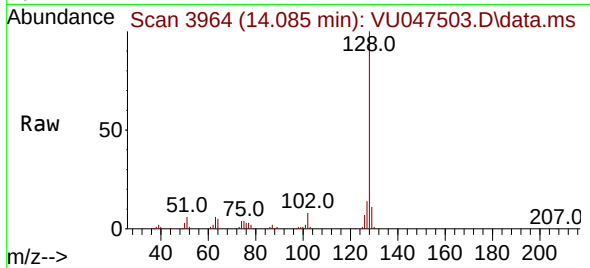




#71
Naphthalene
Concen: 4.692 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD005097

Tgt Ion:128 Resp: 126324
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.4 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.906 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047503.D
Acq: 11 Mar 2022 19:33

Tgt Ion:180 Resp: 67718
Ion Ratio Lower Upper
180 100
182 94.7 77.0 115.6
145 28.2 23.4 35.2

