

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031622\
 Data File : VU047585.D
 Acq On : 16 Mar 2022 11:28
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005104

Quant Time: Mar 17 00:46:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR031422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 16 06:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	131698	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	129998	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	72738	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	34658	4.024	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.400%
7) Chloroethane-d5	1.919	69	37969	4.857	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.571	65	14745	3.651	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.000%
20) 2-Butanone-d5	4.642	46	165574	66.812	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.620%#
24) Chloroform-d	5.067	84	97478	5.154	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.706	65	54083	5.277	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.732	84	169771	4.486	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.693	67	58888	4.948	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.899	98	145900	4.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.182	79	24533	4.904	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.636	63	150053	57.857	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.720%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	63533	5.346	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	72286	4.756	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	42143	5.201	ug/L	100
3) Chloromethane	1.523	50	38390	4.831	ug/L	99
5) Vinyl chloride	1.607	62	41333	5.044	ug/L	98
6) Bromomethane	1.864	94	19651	5.097	ug/L	95
8) Chloroethane	1.938	64	25462	5.141	ug/L	98
9) Trichlorofluoromethane	2.144	101	59409	5.529	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	36133	5.327	ug/L	97
12) 1,1-Dichloroethene	2.584	96	33284	5.073	ug/L	85
13) Acetone	2.655	43	54529	56.432	ug/L	98
14) Carbon disulfide	2.800	76	94373	4.781	ug/L	98
15) Methyl Acetate	2.964	43	12296	4.610	ug/L	99
16) Methylene chloride	3.051	84	38258	3.953	ug/L	100
17) Methyl tert-butyl Ether	3.369	73	82544	4.903	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	35050	4.970	ug/L	97
19) 1,1-Dichloroethane	3.877	63	63033	5.081	ug/L	99
21) 2-Butanone	4.722	43	92394	50.257	ug/L	94
22) cis-1,2-Dichloroethene	4.671	96	39609	5.062	ug/L	99
23) Bromochloromethane	4.983	128	20012	5.039	ug/L	97
25) Chloroform	5.092	83	68527	5.024	ug/L	96

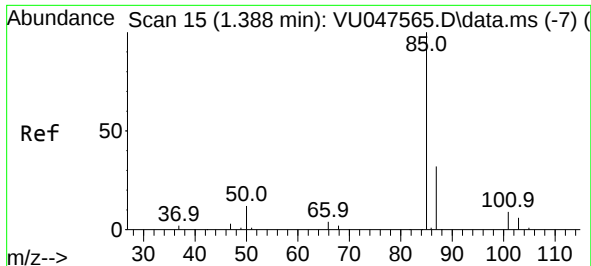
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 Data File : VU047585.D
 Acq On : 16 Mar 2022 11:28
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 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005104

Quant Time: Mar 17 00:46:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR031422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 16 06:43:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	42690	4.893	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	57749	4.995	ug/L	98
30) Cyclohexane	5.394	56	48454	4.854	ug/L	99
31) Carbon tetrachloride	5.530	117	53504	5.261	ug/L	99
33) Benzene	5.777	78	147024	5.006	ug/L	100
34) Trichloroethene	6.546	95	39477	5.072	ug/L	99
35) Methylcyclohexane	6.767	83	57405	5.125	ug/L	99
37) 1,2-Dichloropropane	6.793	63	38008	5.049	ug/L	99
38) Bromodichloromethane	7.108	83	51544	4.973	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	55461	4.741	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	232975	44.402	ug/L	99
42) Toluene	7.973	91	161269	5.064	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	50754	4.864	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	31482	4.879	ug/L	95
47) Tetrachloroethene	8.555	164	34377	5.178	ug/L	98
48) 2-Hexanone	8.687	43	179602	44.977	ug/L	99
49) Dibromochloromethane	8.812	129	40864	5.141	ug/L	99
50) 1,2-Dibromoethane	8.928	107	31212	4.891	ug/L	99
51) Chlorobenzene	9.449	112	109018	5.013	ug/L	99
52) Ethylbenzene	9.571	91	167829	4.976	ug/L	99
53) m,p-Xylene	9.697	106	65369	5.013	ug/L	98
54) o-Xylene	10.102	106	63820	4.954	ug/L	100
55) Styrene	10.118	104	112642	5.092	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	41227	4.765	ug/L	97
59) Bromoform	10.291	173	26050	5.077	ug/L	97
60) Isopropylbenzene	10.484	105	168079	5.115	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	28083	4.603	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	104526	4.982	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	138189	5.074	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	94203	5.140	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	95644	5.109	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	90779	5.010	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	6545	4.472	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	79187	5.111	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	68422	5.021	ug/L	97
71) Naphthalene	14.089	128	109972	4.347	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	63177	4.831	ug/L	99

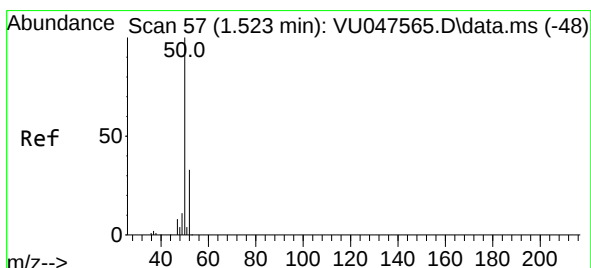
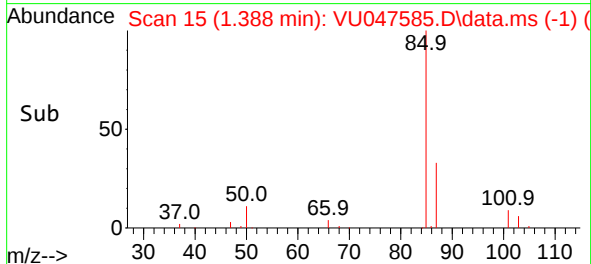
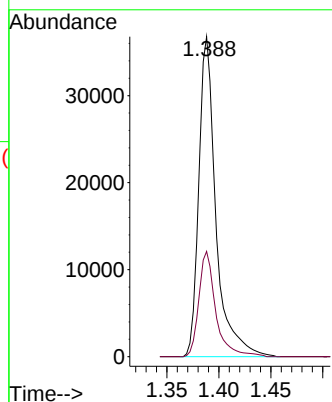
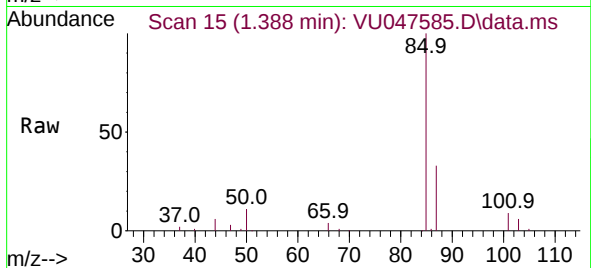
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.201 ug/L
RT: 1.388 min Scan# 15
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

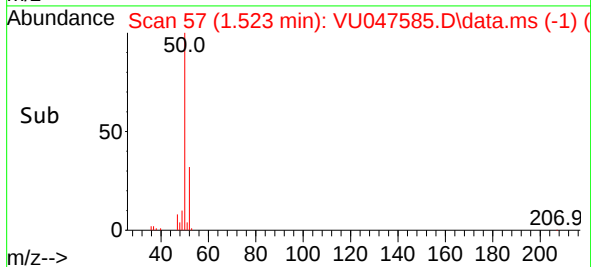
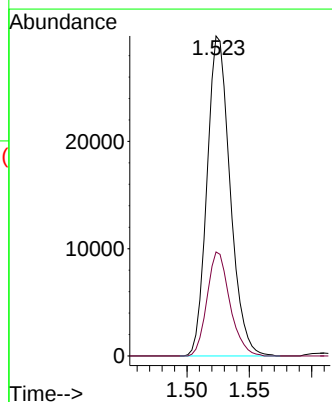
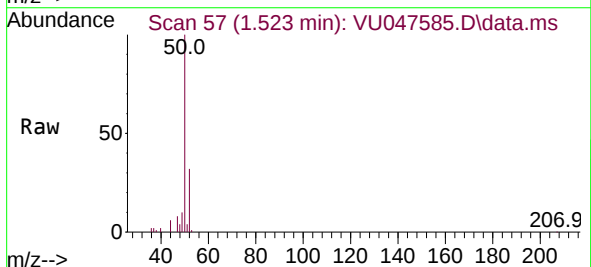
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

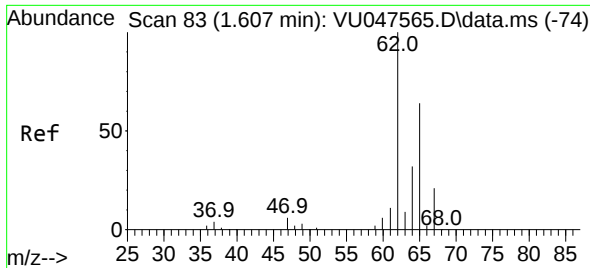
Tgt Ion: 85 Resp: 42143
Ion Ratio Lower Upper
85 100
87 32.7 26.2 39.4



#3
Chloromethane
Concen: 4.831 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 50 Resp: 38390
Ion Ratio Lower Upper
50 100
52 32.5 23.2 43.0

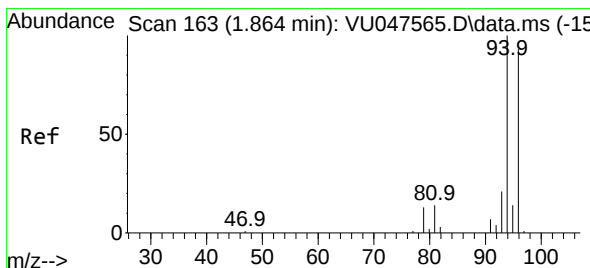
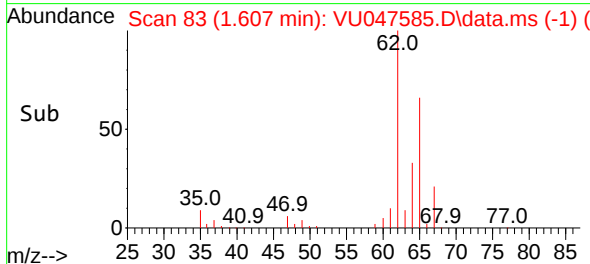
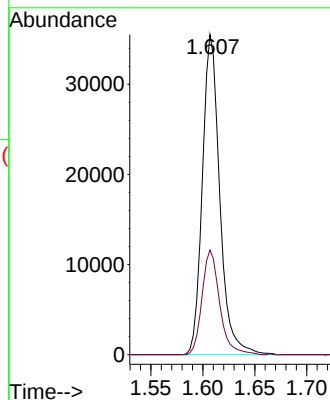
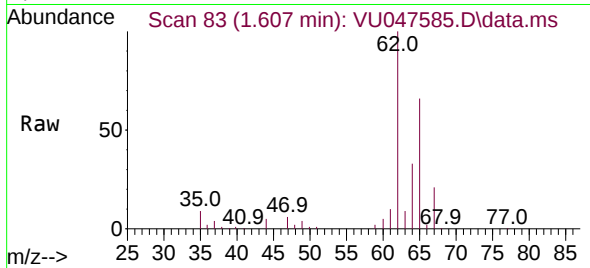




#5
 Vinyl chloride
 Concen: 5.044 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU047585.D
 Acq: 16 Mar 2022 11:28

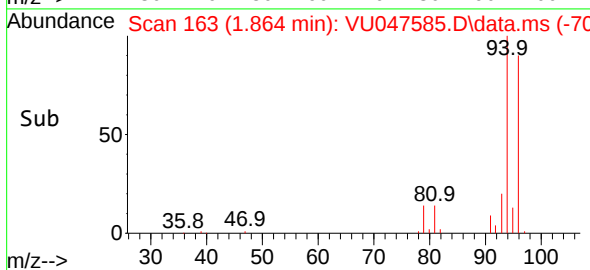
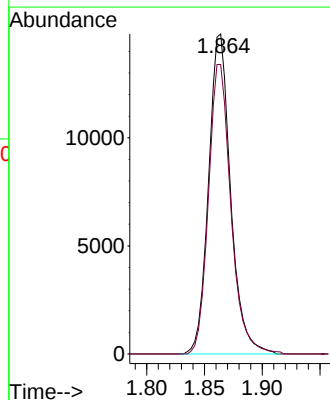
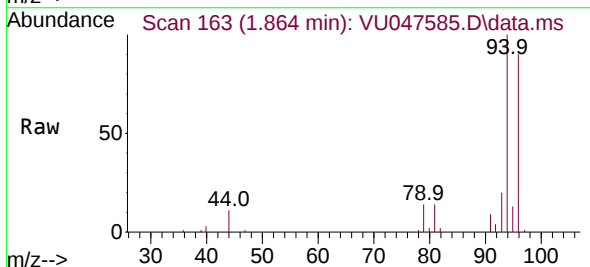
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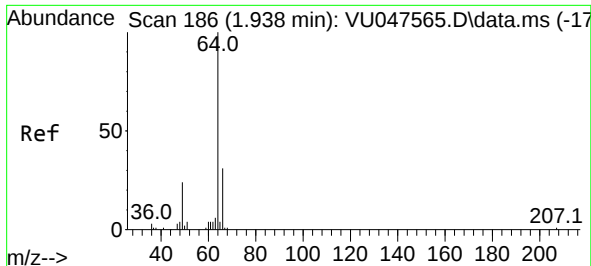
Tgt Ion: 62 Resp: 41333
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.5 43.7



#6
 Bromomethane
 Concen: 5.097 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU047585.D
 Acq: 16 Mar 2022 11:28

Tgt Ion: 94 Resp: 19651
 Ion Ratio Lower Upper
 94 100
 96 90.5 66.5 123.5

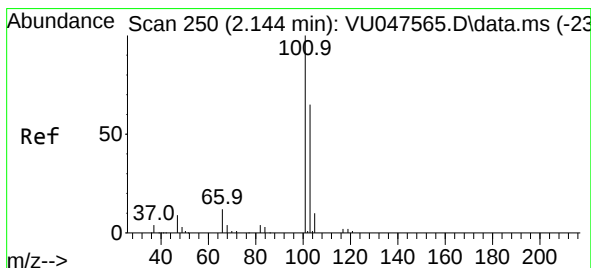
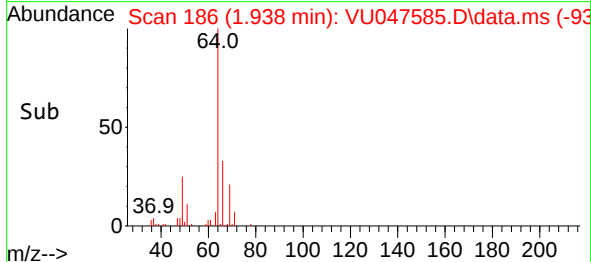
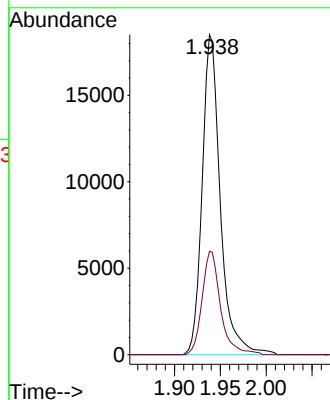
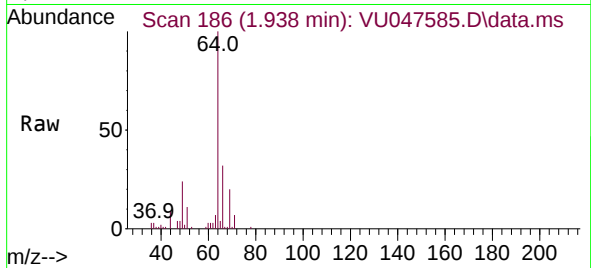




#8
Chloroethane
Concen: 5.141 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

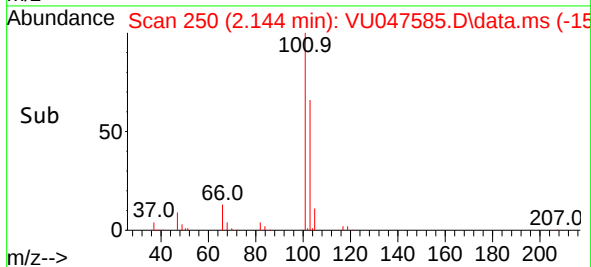
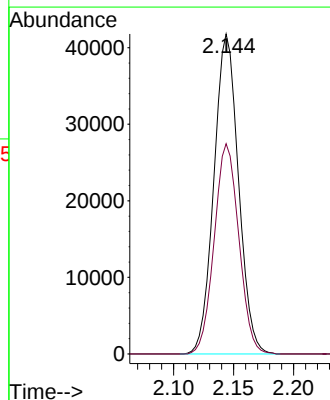
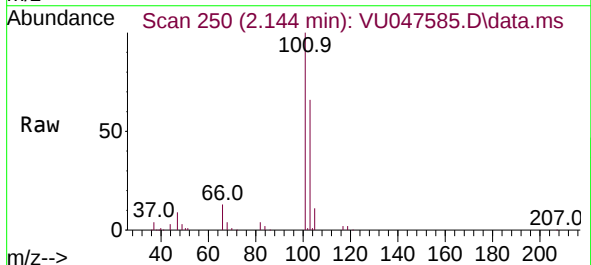
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ClientSampleId :
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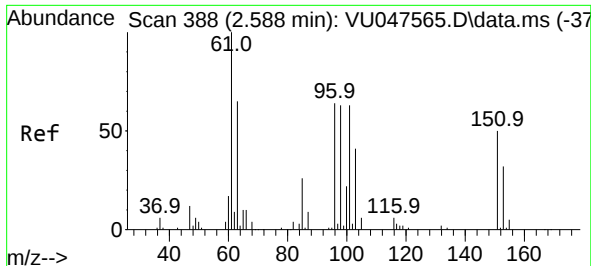
Tgt Ion: 64 Resp: 25462
Ion Ratio Lower Upper
64 100
66 32.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.529 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 101 Resp: 59409
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.2

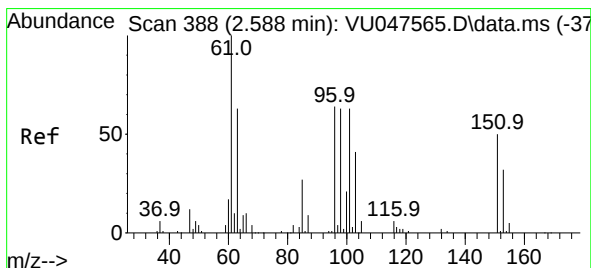
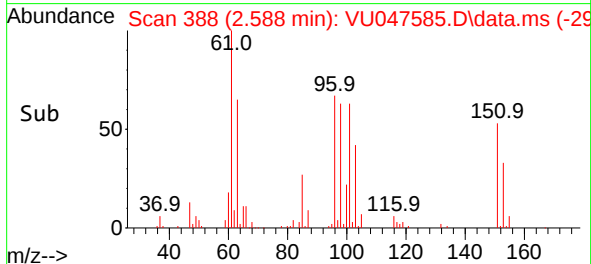
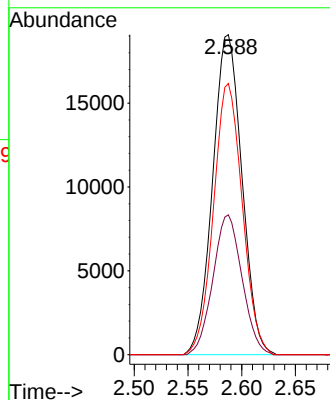
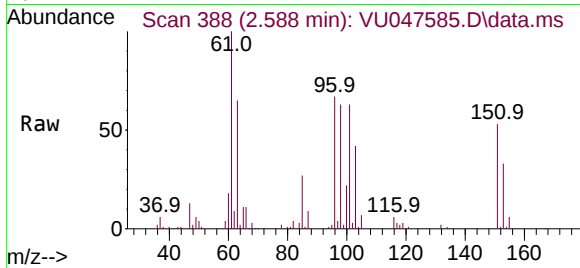




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.327 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU047585.D
 Acq: 16 Mar 2022 11:28

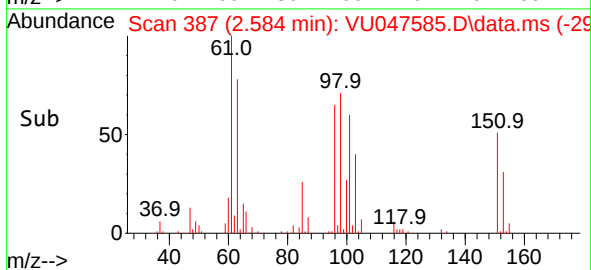
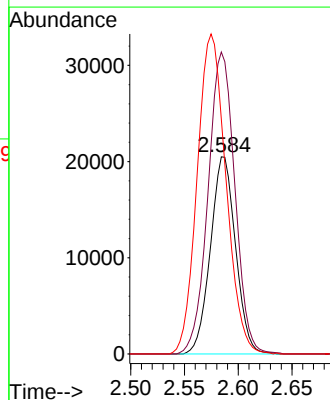
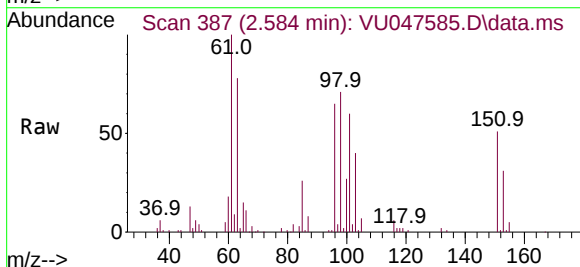
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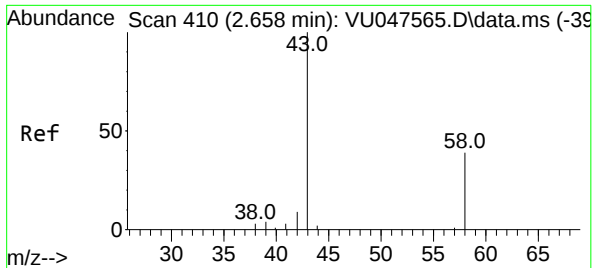
Tgt Ion:101 Resp: 36133
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.0 51.0
 151 83.3 63.8 95.6



#12
 1,1-Dichloroethene
 Concen: 5.073 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047585.D
 Acq: 16 Mar 2022 11:28

Tgt Ion: 96 Resp: 33284
 Ion Ratio Lower Upper
 96 100
 61 153.1 111.4 207.0
 63 119.1 106.6 198.0





#13

Acetone

Concen: 56.432 ug/L

RT: 2.655 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

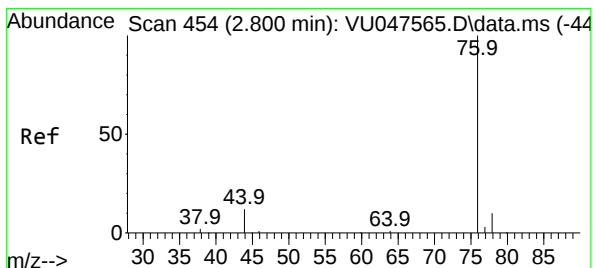
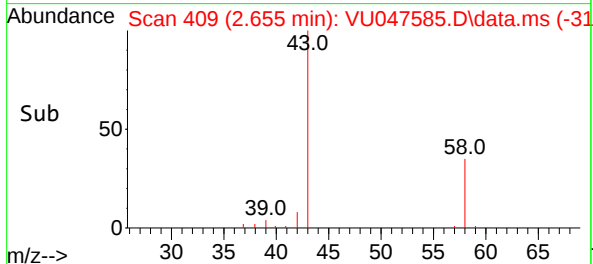
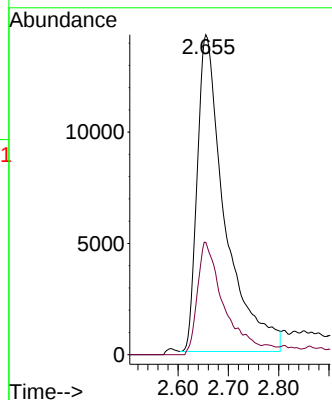
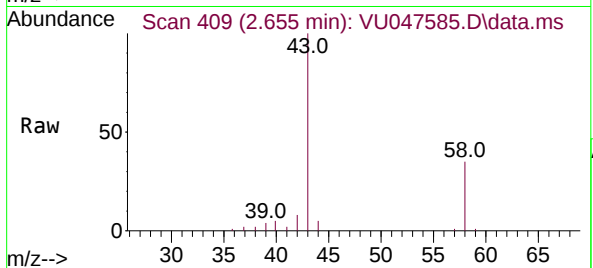
VSTD005104

Tgt Ion: 43 Resp: 54529

Ion Ratio Lower Upper

43 100

58 33.6 0.0 69.4



#14

Carbon disulfide

Concen: 4.781 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047585.D

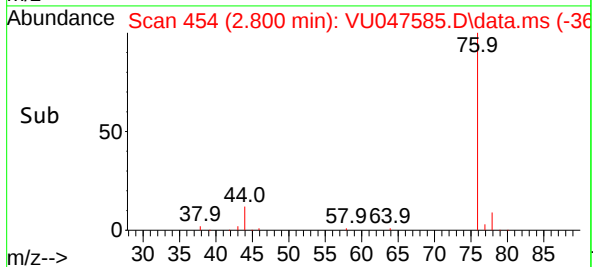
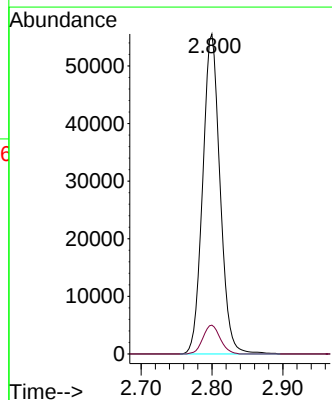
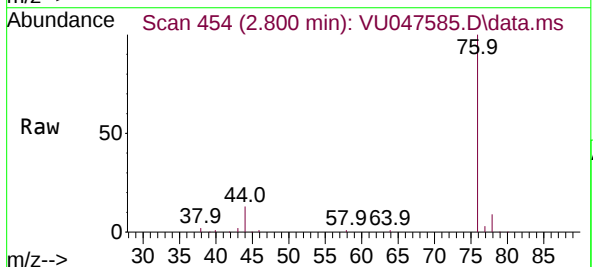
Acq: 16 Mar 2022 11:28

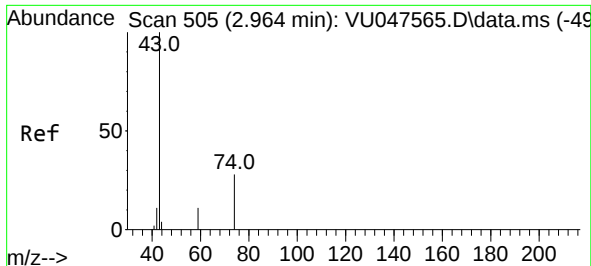
Tgt Ion: 76 Resp: 94373

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

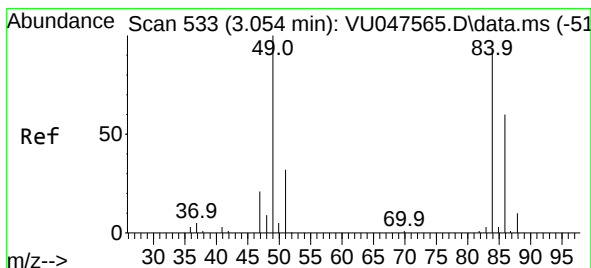
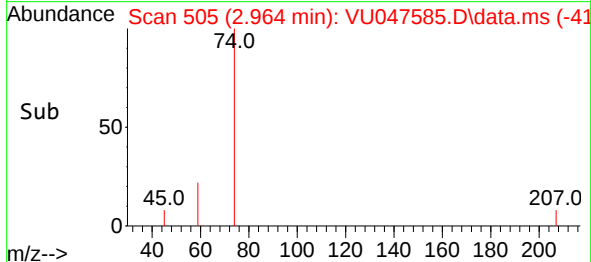
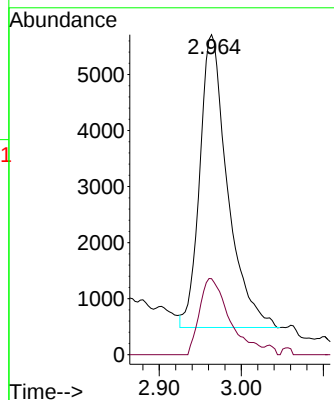
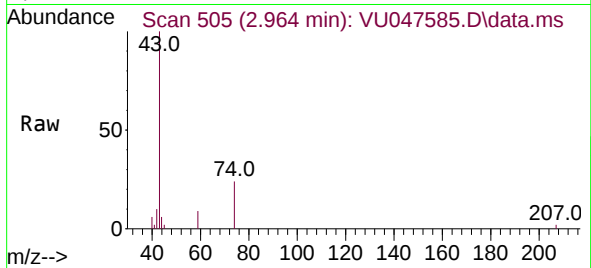




#15
Methyl Acetate
Concen: 4.610 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

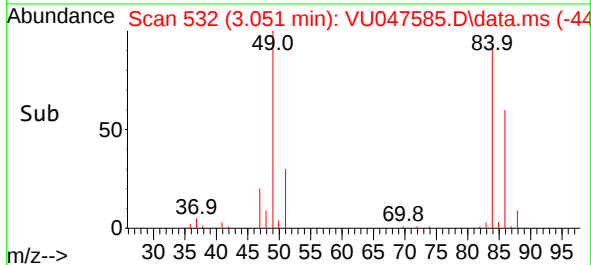
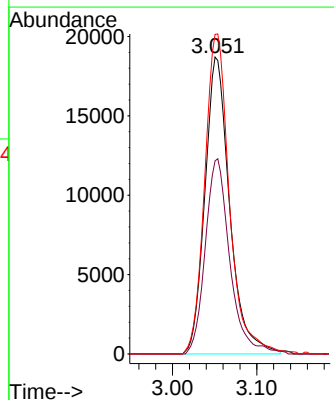
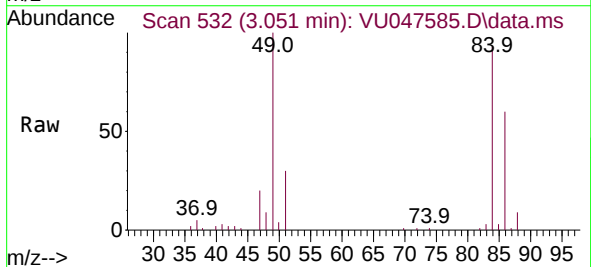
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

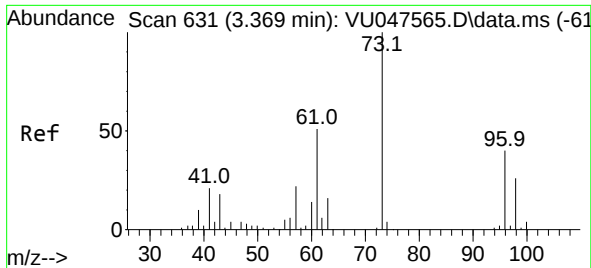
Tgt Ion: 43 Resp: 12296
Ion Ratio Lower Upper
43 100
74 28.0 21.8 32.6



#16
Methylene chloride
Concen: 3.953 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 84 Resp: 38258
Ion Ratio Lower Upper
84 100
86 65.0 45.4 84.4
49 107.7 75.0 139.4

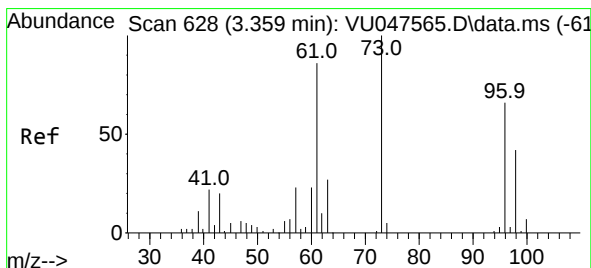
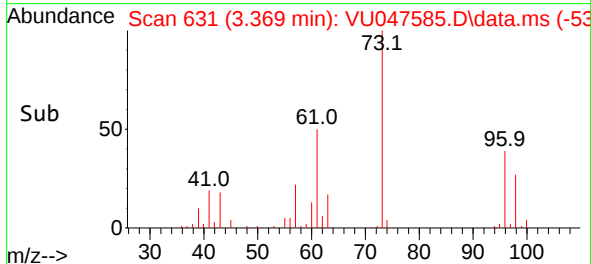
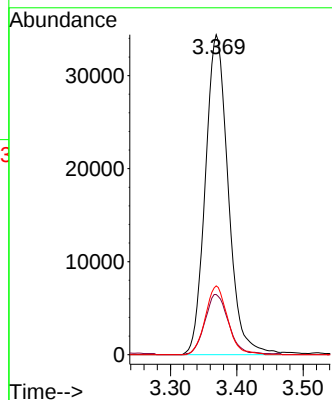
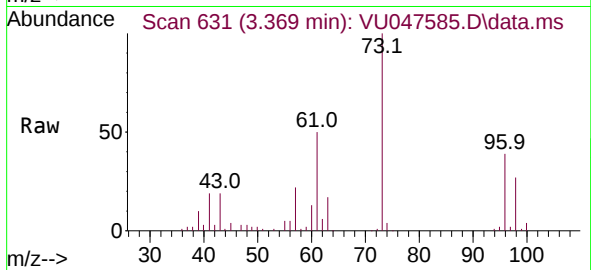




#17
Methyl tert-butyl Ether
Concen: 4.903 ug/L
RT: 3.369 min Scan# 611
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

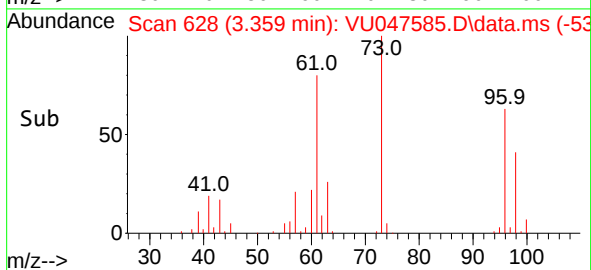
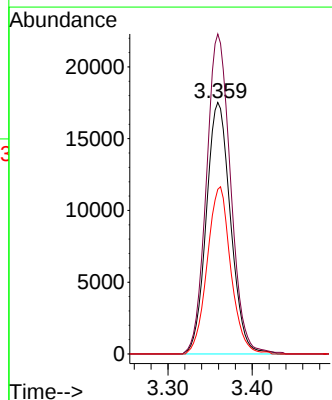
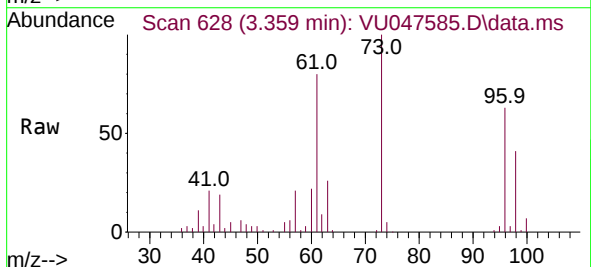
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

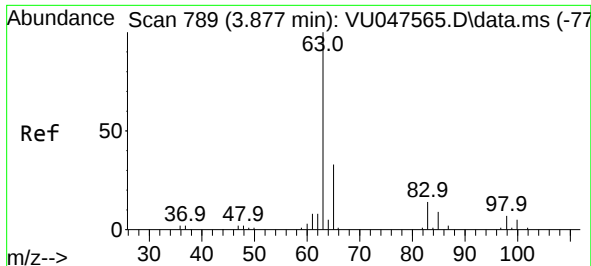
Tgt Ion: 73	Resp:	82544	
Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.2	22.8
57	20.9	17.2	25.8



#18
trans-1,2-Dichloroethene
Concen: 4.970 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 96	Resp:	35050	
Ion	Ratio	Lower	Upper
96	100		
61	127.3	91.7	170.3
98	65.5	45.1	83.7





#19

1,1-Dichloroethane

Concen: 5.081 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

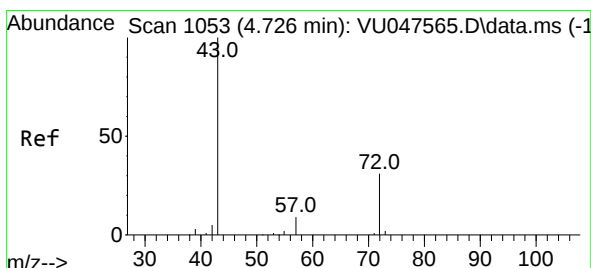
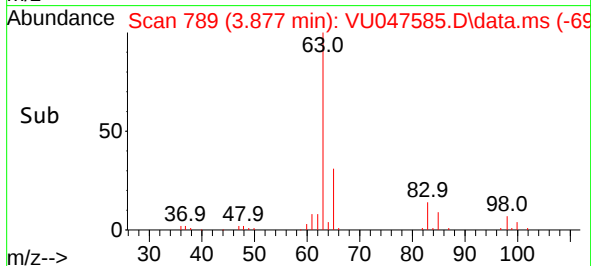
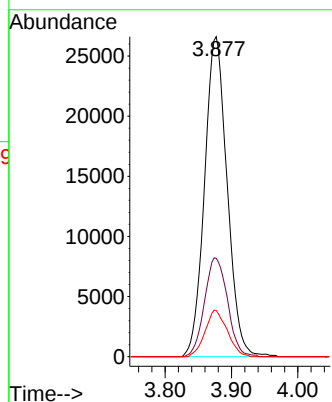
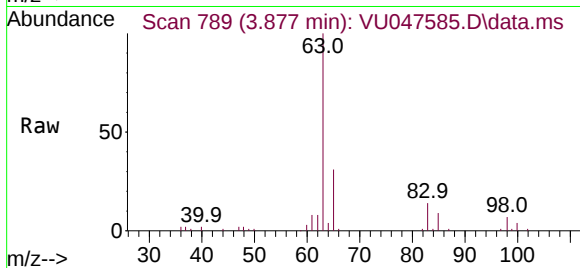
Tgt Ion: 63 Resp: 63033

Ion Ratio Lower Upper

63 100

65 30.7 21.8 40.6

83 14.5 10.8 20.0



#21

2-Butanone

Concen: 50.257 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VU047585.D

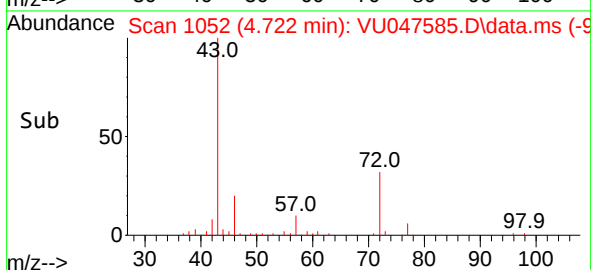
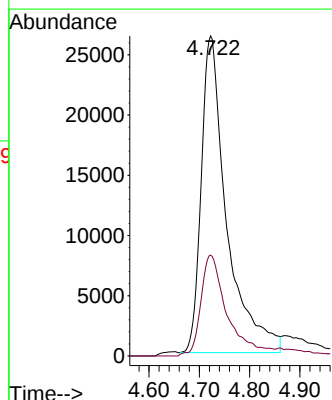
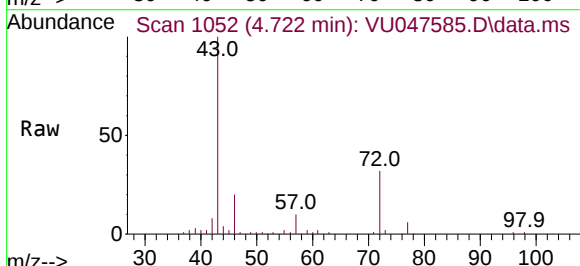
Acq: 16 Mar 2022 11:28

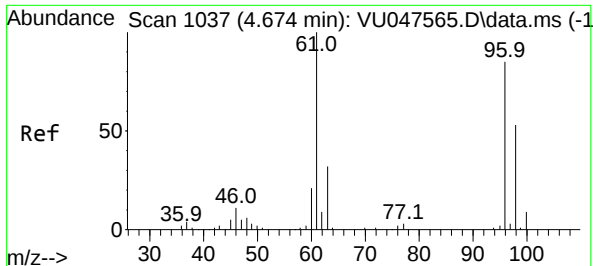
Tgt Ion: 43 Resp: 92394

Ion Ratio Lower Upper

43 100

72 33.1 14.9 44.7





#22

cis-1,2-Dichloroethene

Concen: 5.062 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

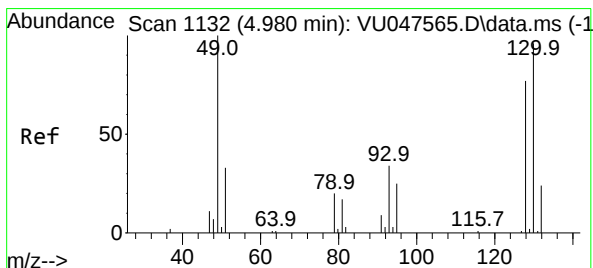
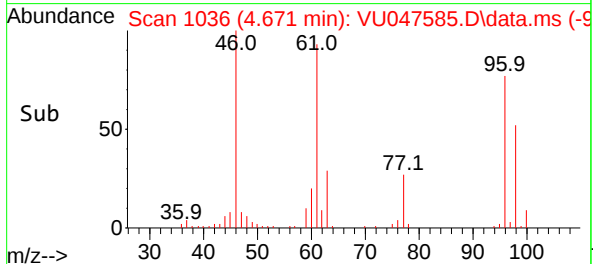
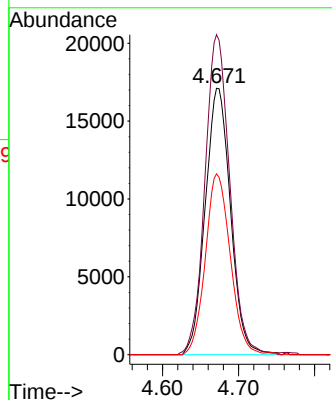
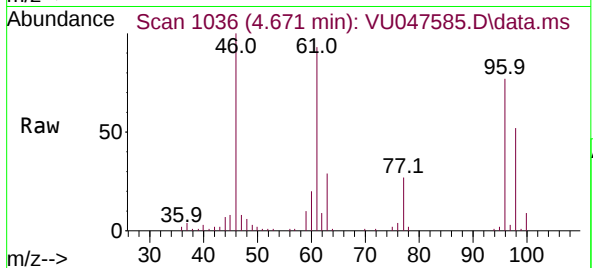
Tgt Ion: 96 Resp: 39609

Ion Ratio Lower Upper

96 100

61 120.1 83.9 155.7

98 67.8 46.4 86.2



#23

Bromochloromethane

Concen: 5.039 ug/L

RT: 4.983 min Scan# 1133

Delta R.T. 0.003 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Tgt Ion: 128 Resp: 20012

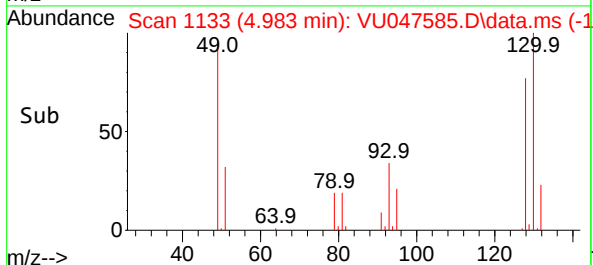
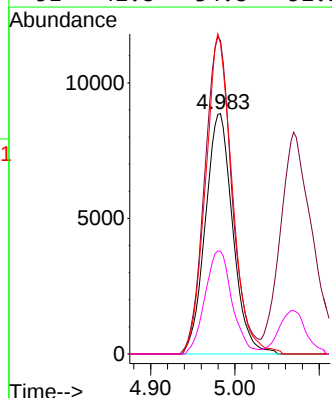
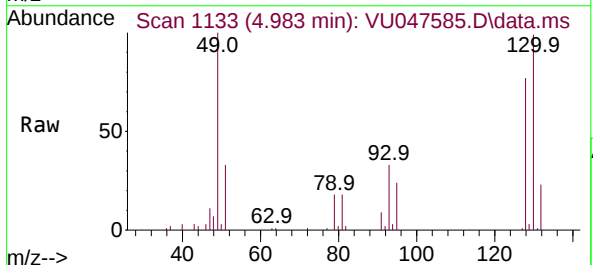
Ion Ratio Lower Upper

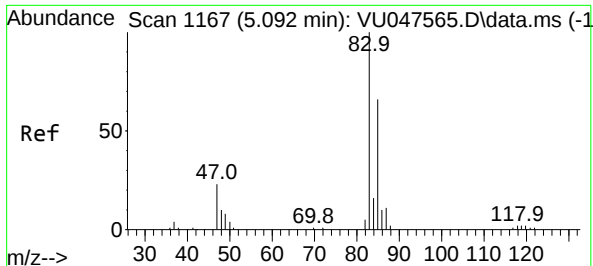
128 100

49 130.4 89.6 166.4

130 129.1 87.3 162.1

51 42.8 34.8 52.2





#25

Chloroform

Concen: 5.024 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

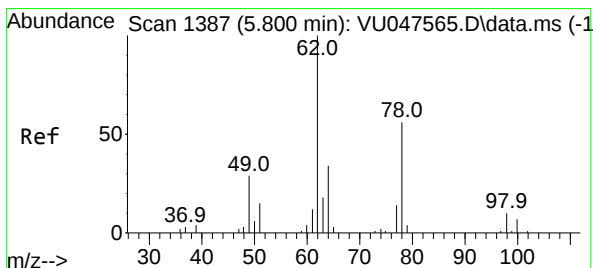
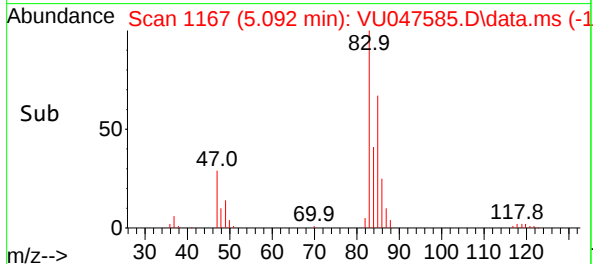
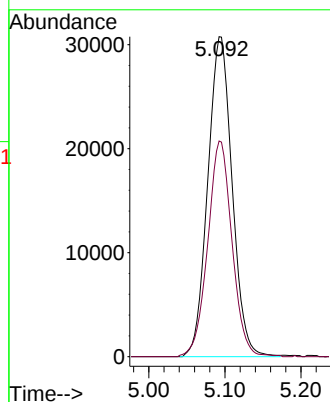
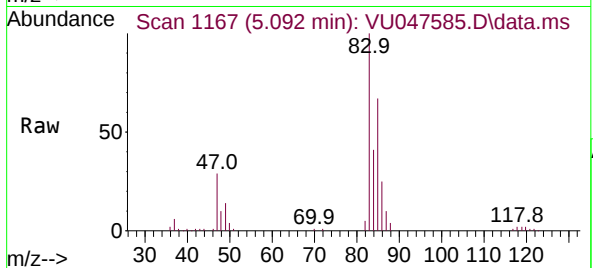
VSTD005104

Tgt Ion: 83 Resp: 68527

Ion Ratio Lower Upper

83 100

85 67.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 4.893 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VU047585.D

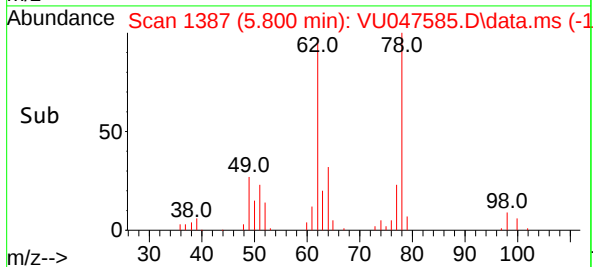
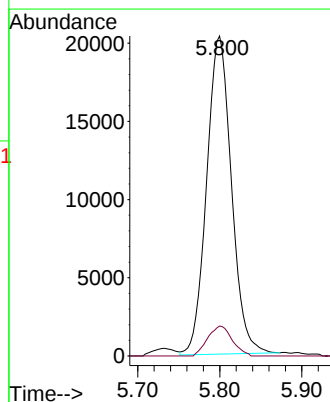
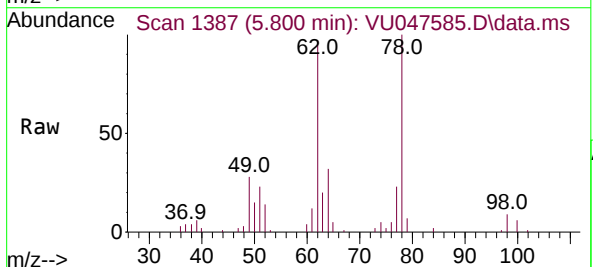
Acq: 16 Mar 2022 11:28

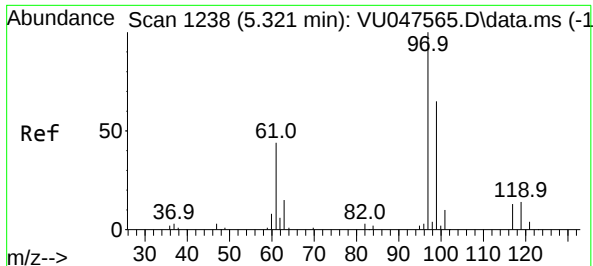
Tgt Ion: 62 Resp: 42690

Ion Ratio Lower Upper

62 100

98 9.3 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.995 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

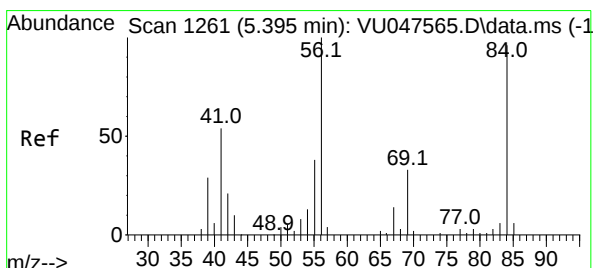
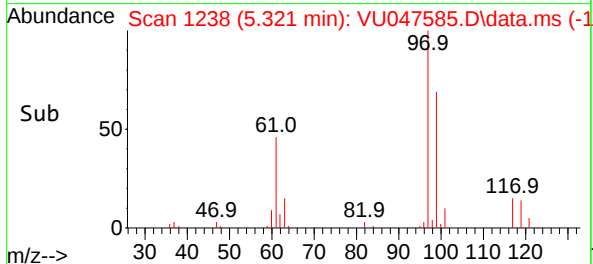
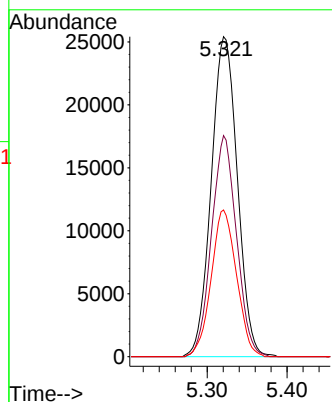
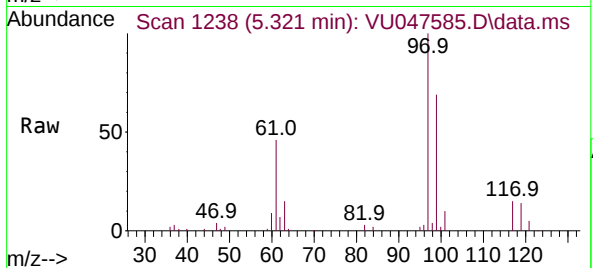
Tgt Ion: 97 Resp: 57749

Ion Ratio Lower Upper

97 100

99 66.0 51.2 76.8

61 44.5 35.0 52.4



#30

Cyclohexane

Concen: 4.854 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

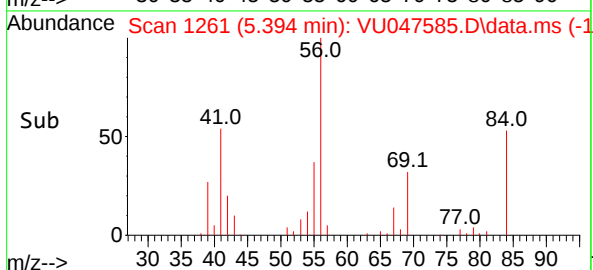
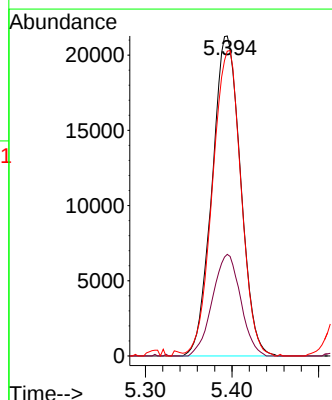
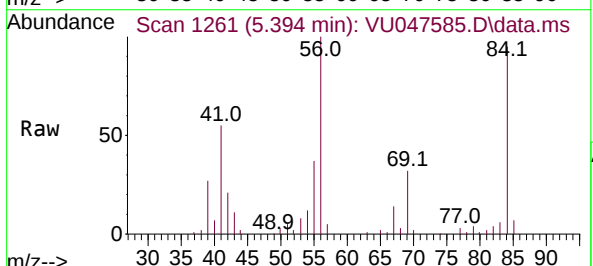
Tgt Ion: 56 Resp: 48454

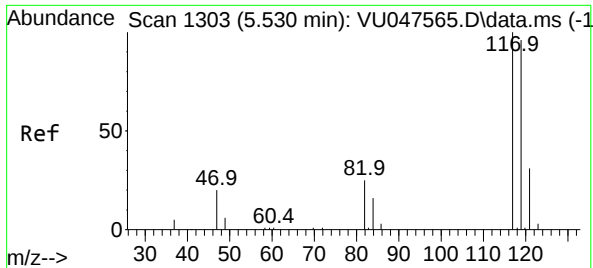
Ion Ratio Lower Upper

56 100

69 31.5 26.0 39.0

84 96.1 76.2 114.4

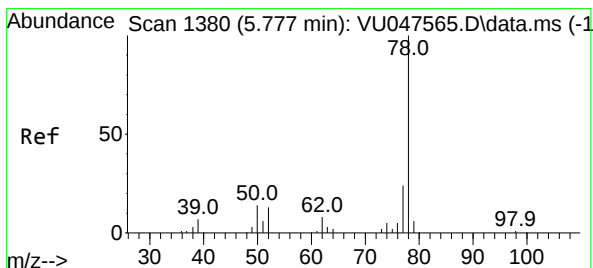
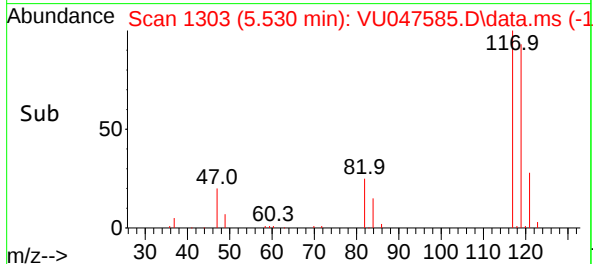
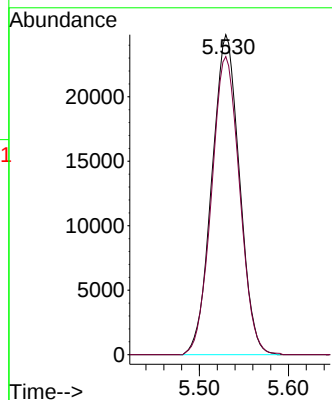
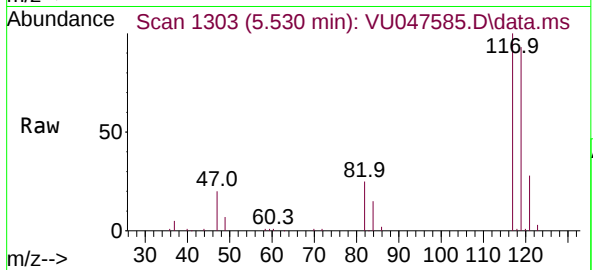




#31
Carbon tetrachloride
Concen: 5.261 ug/L
RT: 5.530 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

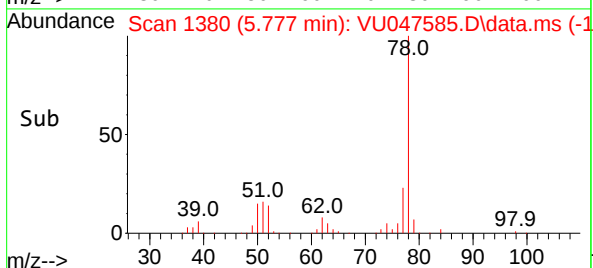
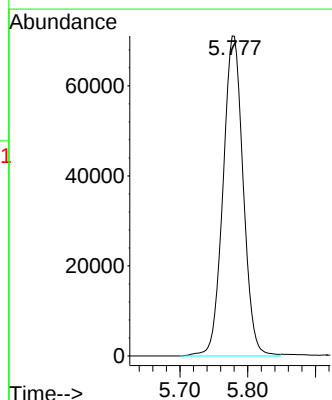
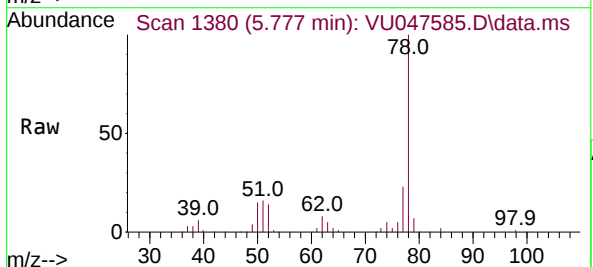
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

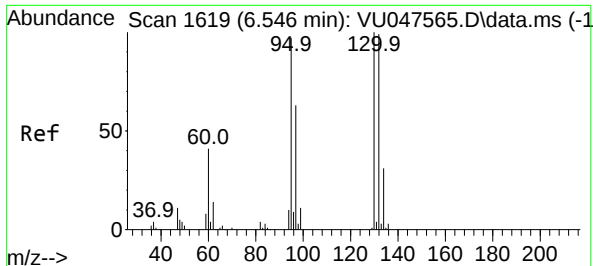
Tgt Ion:117 Resp: 53504
Ion Ratio Lower Upper
117 100
119 94.7 76.9 115.3



#33
Benzene
Concen: 5.006 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 78 Resp: 147024





#34

Trichloroethene

Concen: 5.072 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

Tgt Ion: 95 Resp: 39477

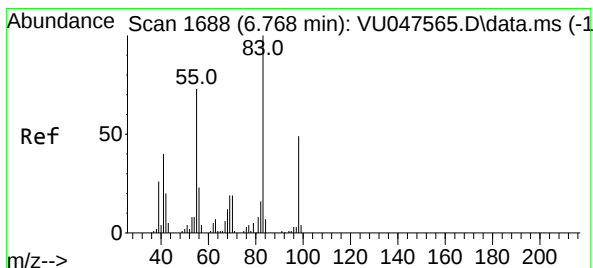
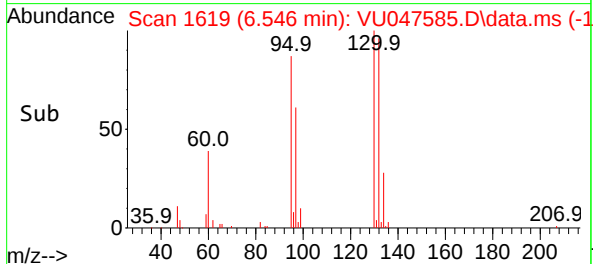
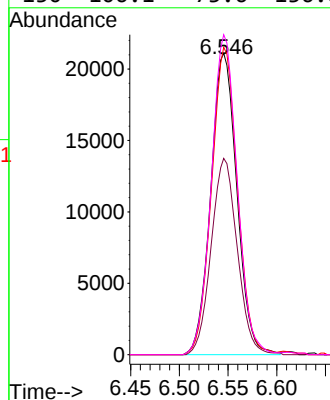
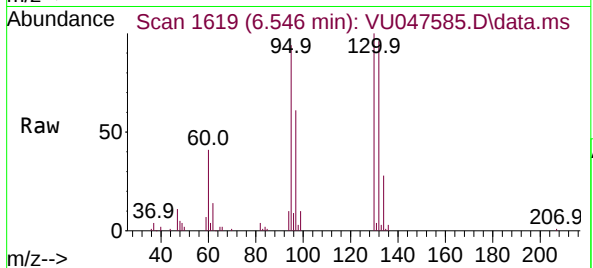
Ion Ratio Lower Upper

95 100

97 65.1 46.3 85.9

132 101.9 70.7 131.3

130 106.1 73.6 136.8



#35

Methylcyclohexane

Concen: 5.125 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

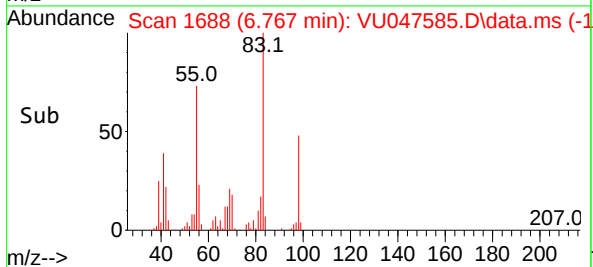
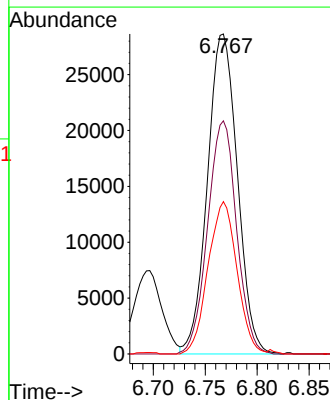
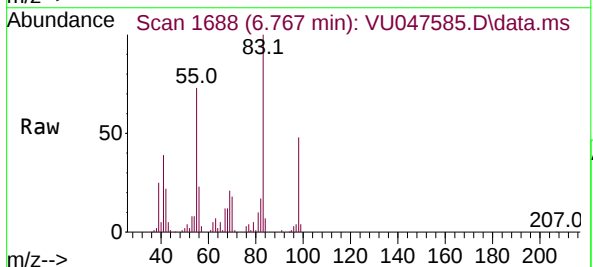
Tgt Ion: 83 Resp: 57405

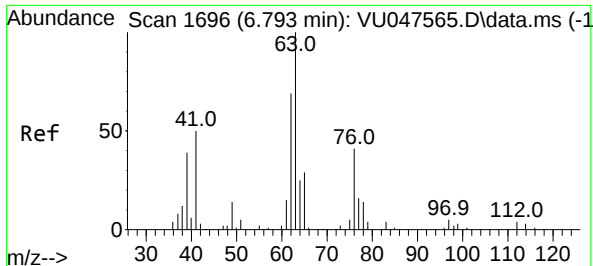
Ion Ratio Lower Upper

83 100

55 70.5 57.3 85.9

98 46.0 37.5 56.3





#37

1,2-Dichloropropane

Concen: 5.049 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

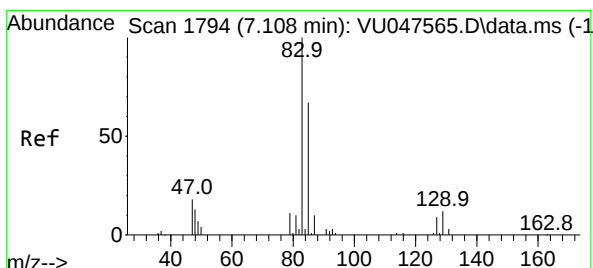
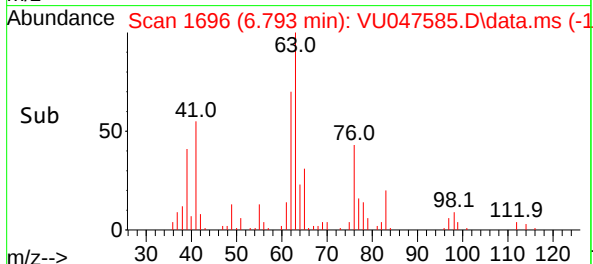
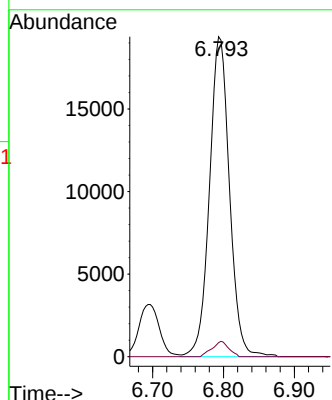
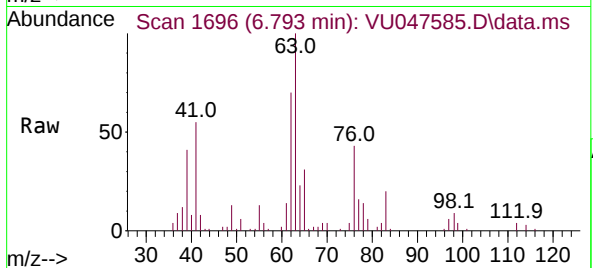
VSTD005104

Tgt Ion: 63 Resp: 38008

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



#38

Bromodichloromethane

Concen: 4.973 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

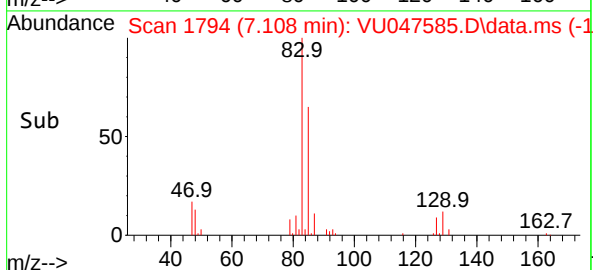
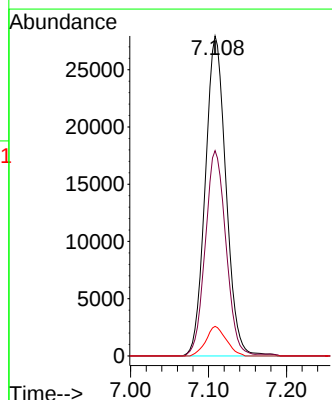
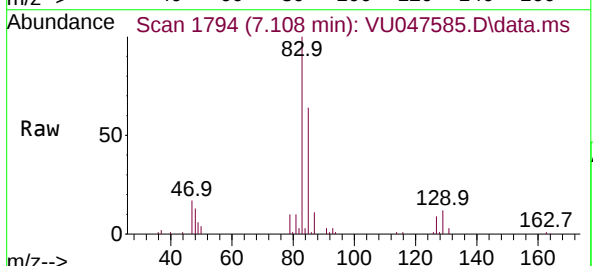
Tgt Ion: 83 Resp: 51544

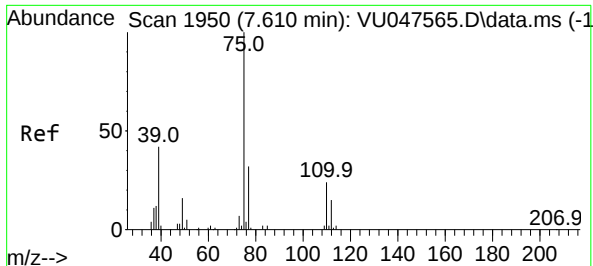
Ion Ratio Lower Upper

83 100

85 64.2 44.2 82.0

127 9.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 4.741 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

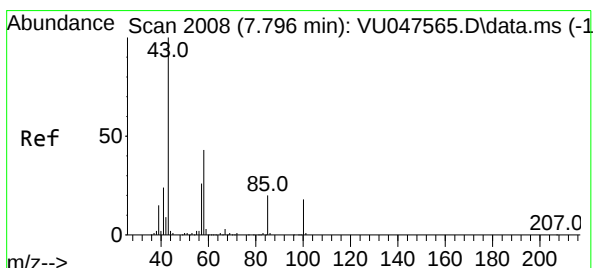
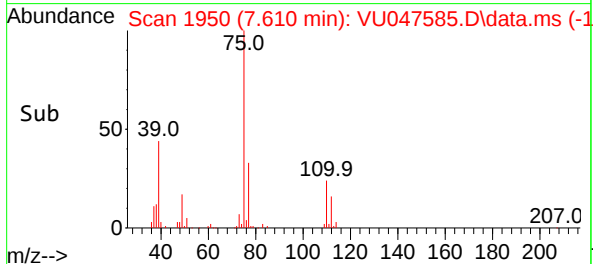
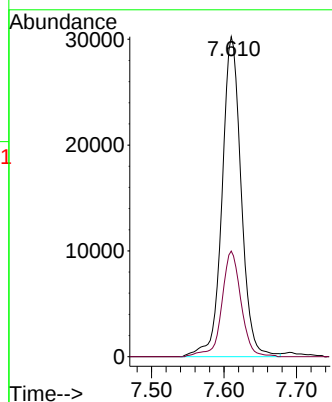
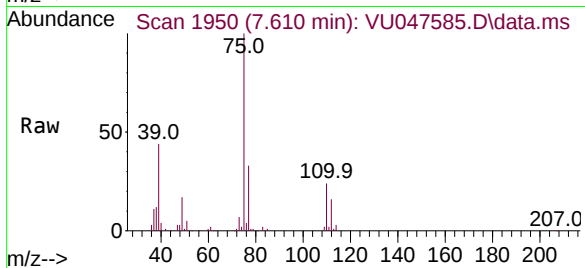
VSTD005104

Tgt Ion: 75 Resp: 55461

Ion Ratio Lower Upper

75 100

77 33.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 44.402 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

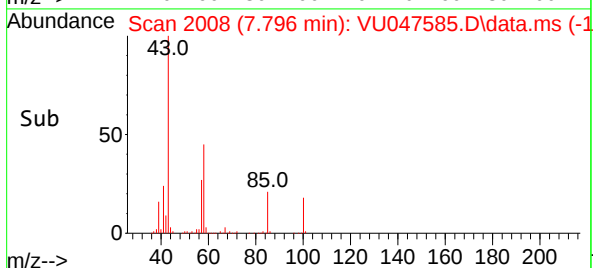
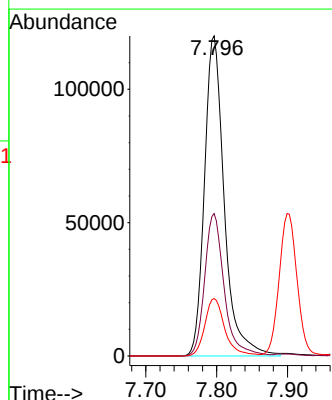
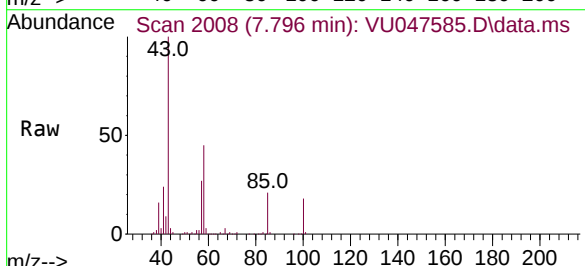
Tgt Ion: 43 Resp: 232975

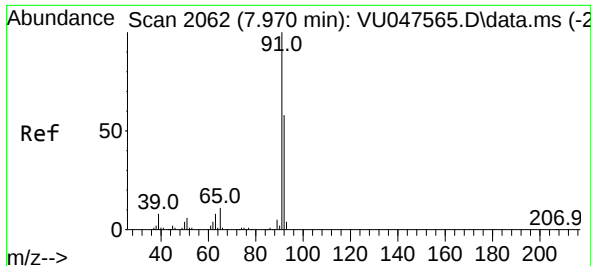
Ion Ratio Lower Upper

43 100

58 43.8 34.5 51.7

100 18.1 13.8 20.6





#42

Toluene

Concen: 5.064 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

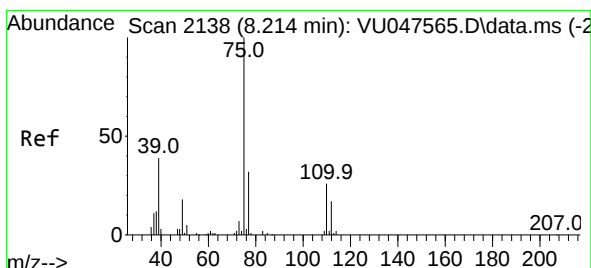
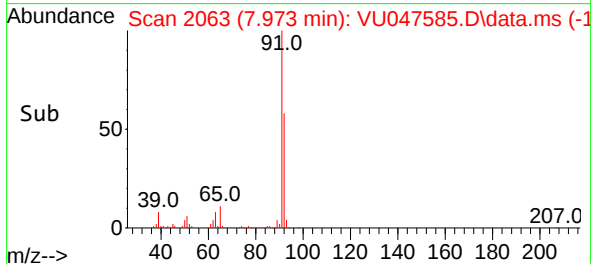
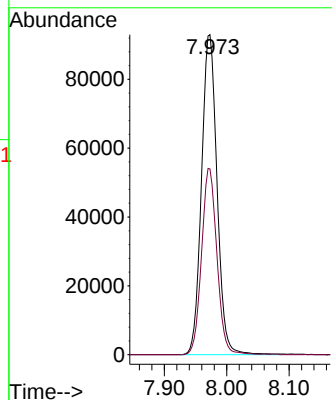
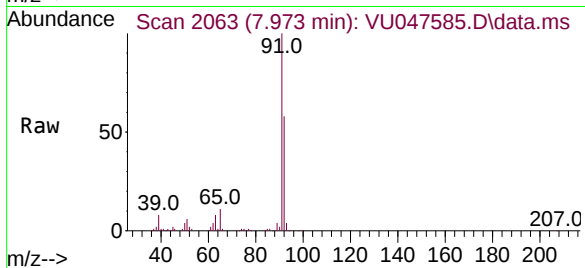
VSTD005104

Tgt Ion: 91 Resp: 161269

Ion Ratio Lower Upper

91 100

92 58.0 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.864 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU047585.D

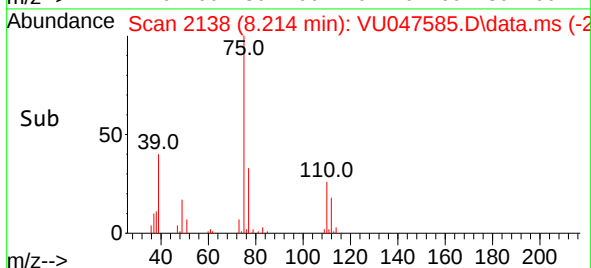
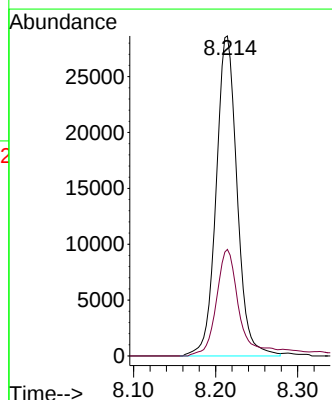
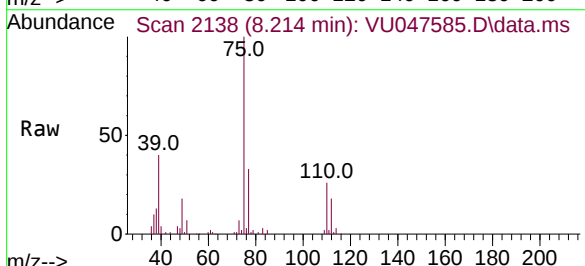
Acq: 16 Mar 2022 11:28

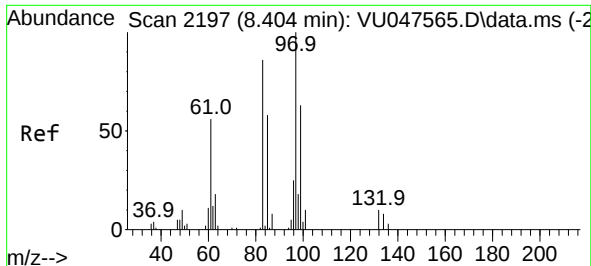
Tgt Ion: 75 Resp: 50754

Ion Ratio Lower Upper

75 100

77 33.3 23.4 43.6

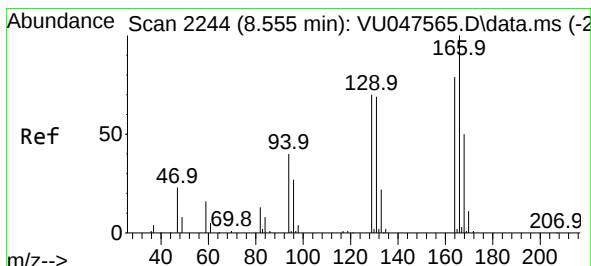
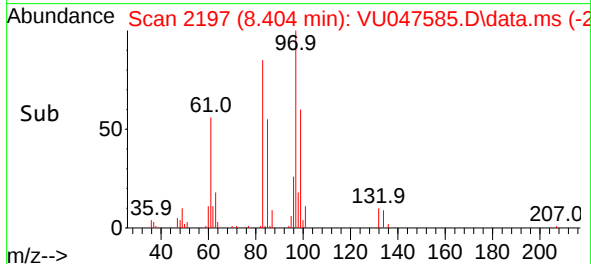
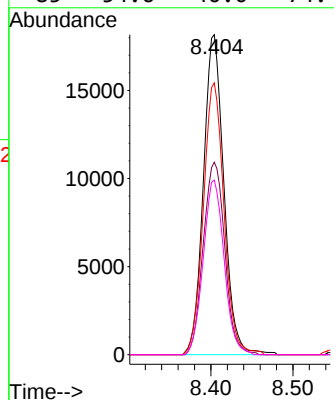
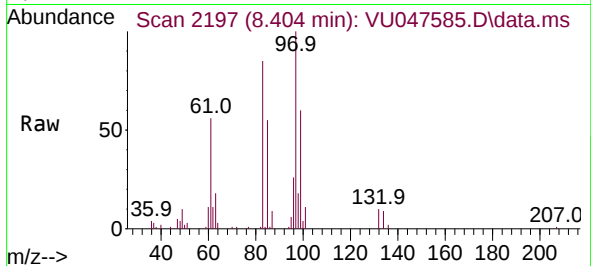




#45
1,1,2-Trichloroethane
Concen: 4.879 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

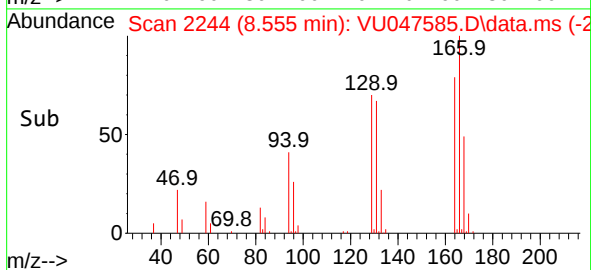
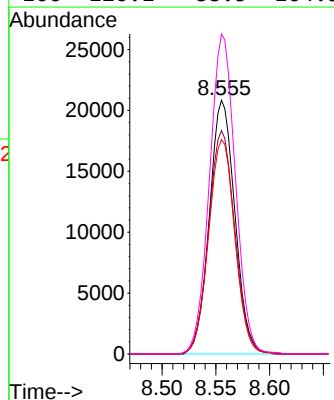
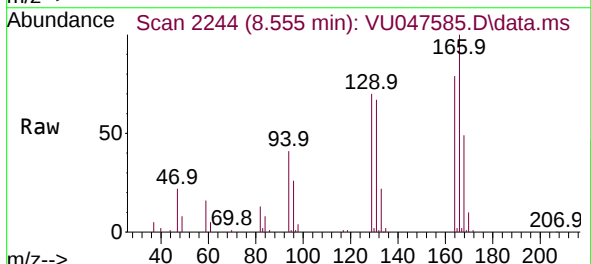
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

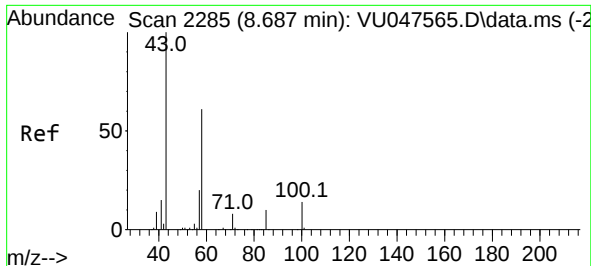
Tgt Ion:	97	Resp:	31482
Ion	Ratio	Lower	Upper
97	100		
99	60.1	45.3	84.1
83	85.0	62.2	115.6
85	54.6	40.0	74.4



#47
Tetrachloroethene
Concen: 5.178 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion:	164	Resp:	34377
Ion	Ratio	Lower	Upper
164	100		
129	88.0	63.5	117.9
131	84.5	60.5	112.5
166	126.1	88.5	164.3

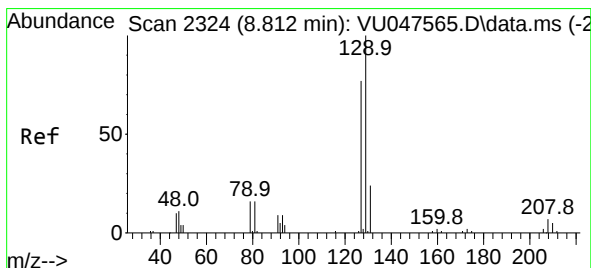
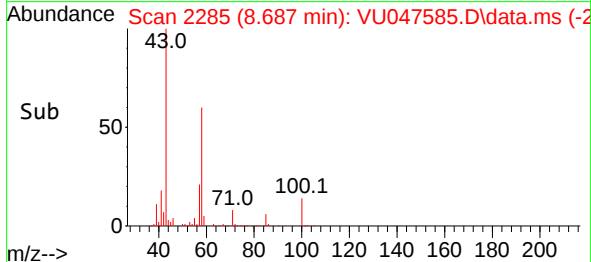
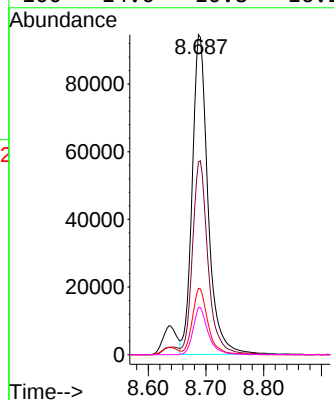
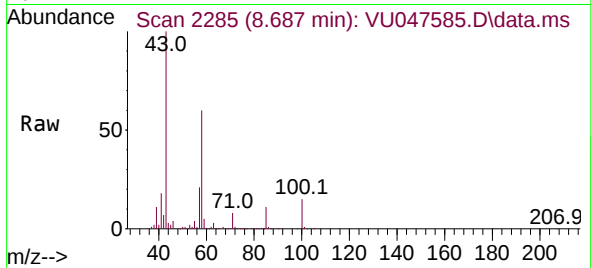




#48
2-Hexanone
Concen: 44.977 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

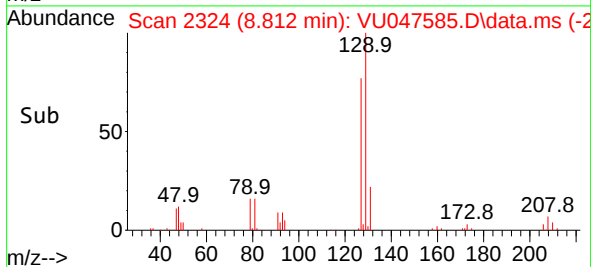
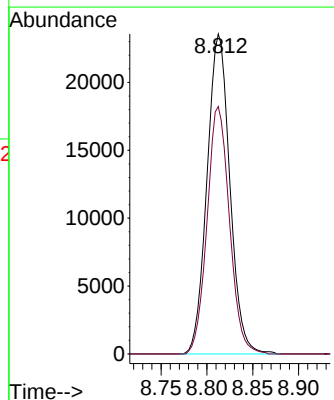
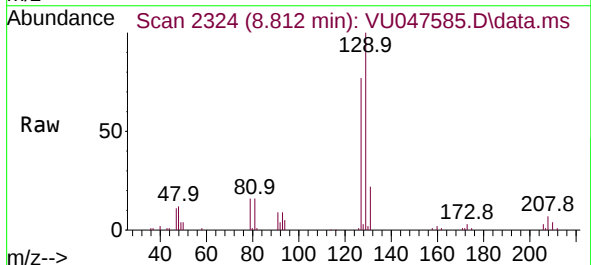
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

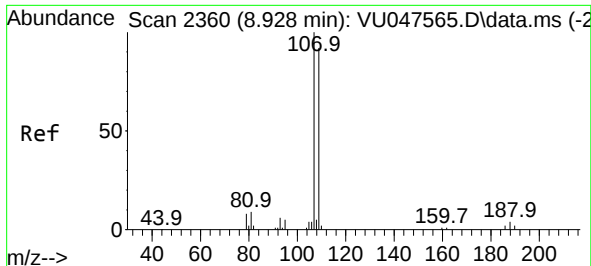
Tgt Ion: 43	Resp: 179602
Ion Ratio	Lower Upper
43 100	
58 58.4	47.5 71.3
57 20.7	16.0 24.0
100 14.0	10.8 16.2



#49
Dibromochloromethane
Concen: 5.141 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion:129	Resp: 40864		
Ion Ratio	Lower	Upper	
129 100			
127 77.3	53.6	99.6	





#50

1,2-Dibromoethane

Concen: 4.891 ug/L

RT: 8.928 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

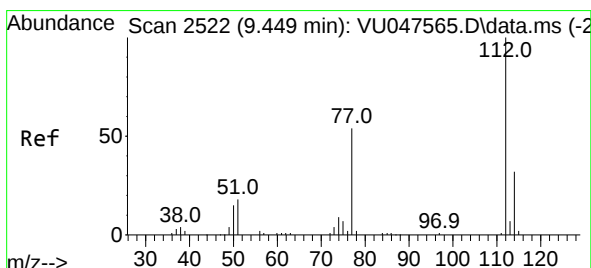
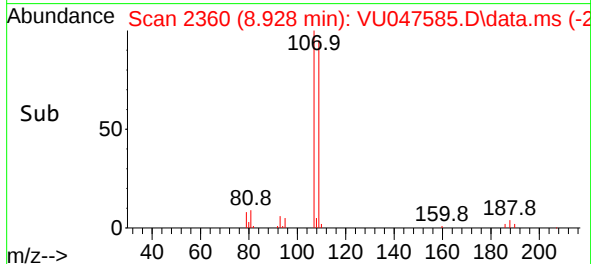
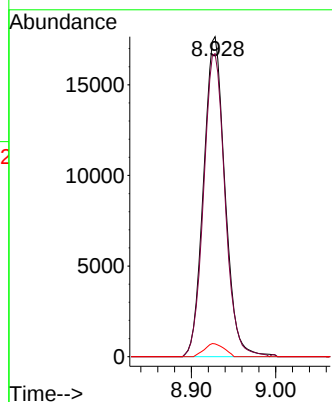
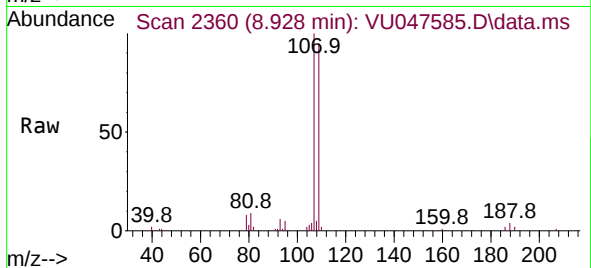
Tgt Ion:107 Resp: 31212

Ion Ratio Lower Upper

107 100

109 94.7 65.3 121.3

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 5.013 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

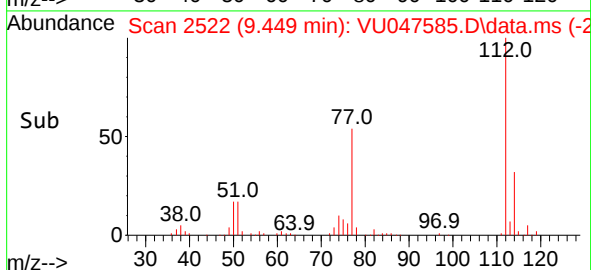
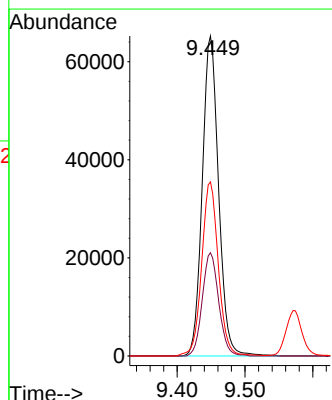
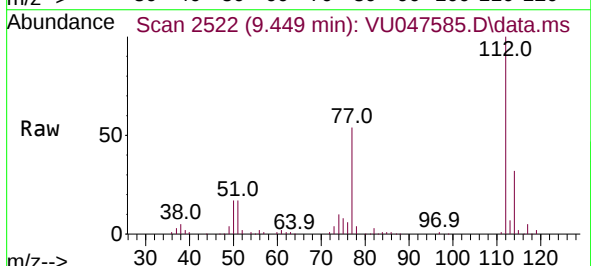
Tgt Ion:112 Resp: 109018

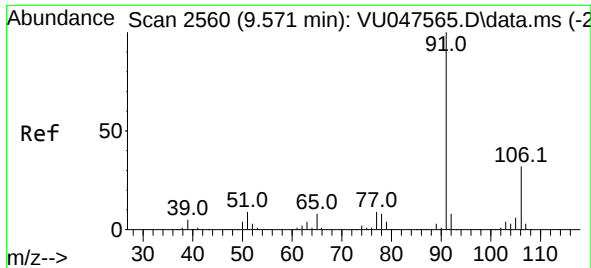
Ion Ratio Lower Upper

112 100

114 32.3 22.0 40.8

77 54.4 43.7 65.5

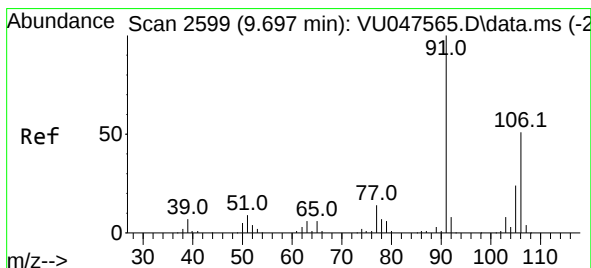
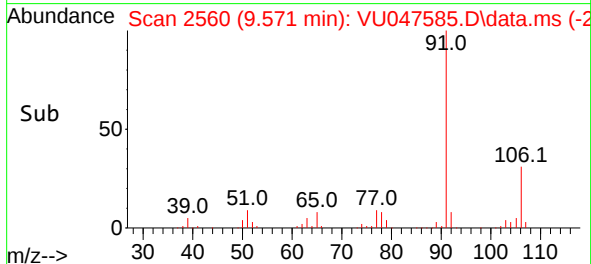
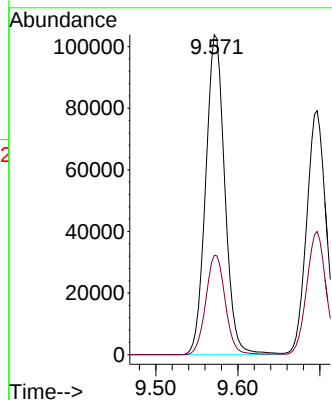
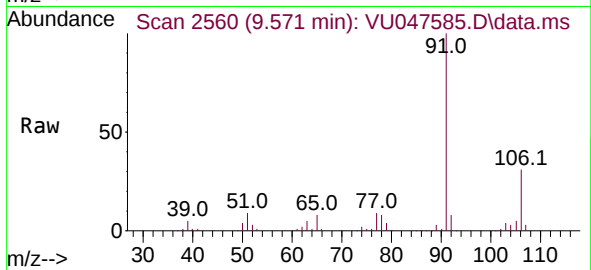




#52
Ethylbenzene
Concen: 4.976 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

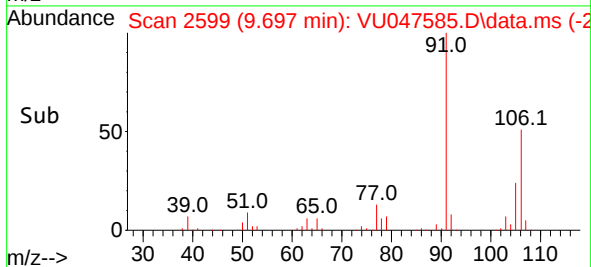
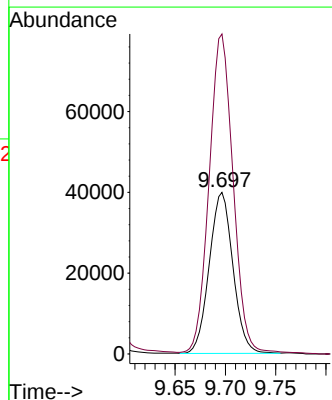
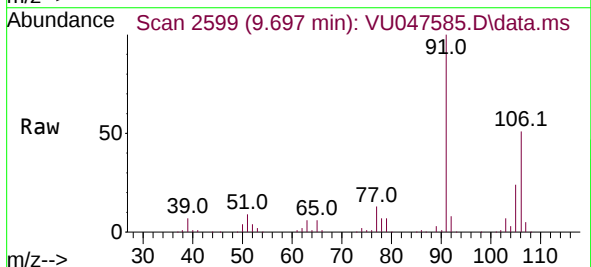
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

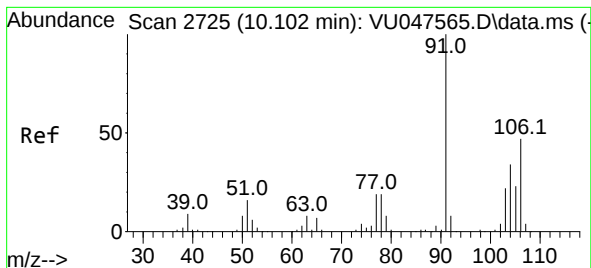
Tgt Ion: 91 Resp: 167829
Ion Ratio Lower Upper
91 100
106 31.1 22.2 41.2



#53
m,p-Xylene
Concen: 5.013 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 106 Resp: 65369
Ion Ratio Lower Upper
106 100
91 198.0 136.6 253.8





#54

o-Xylene

Concen: 4.954 ug/L

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

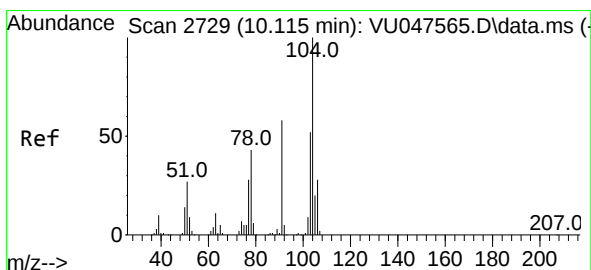
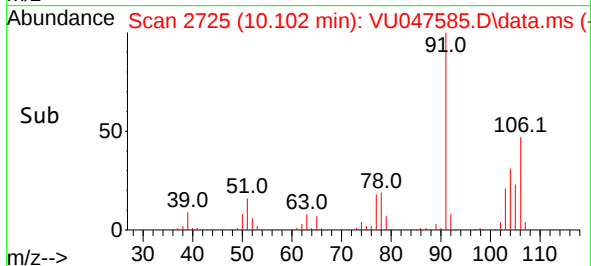
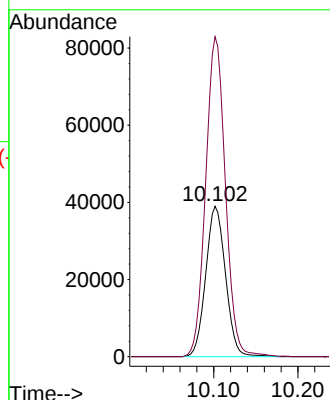
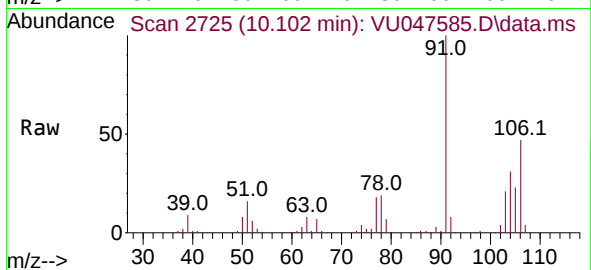
VSTD005104

Tgt Ion:106 Resp: 63820

Ion Ratio Lower Upper

106 100

91 212.7 148.5 275.9



#55

Styrene

Concen: 5.092 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.003 min

Lab File: VU047585.D

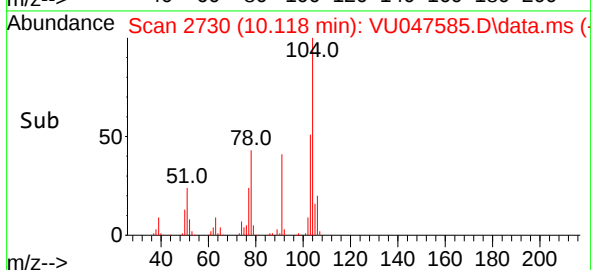
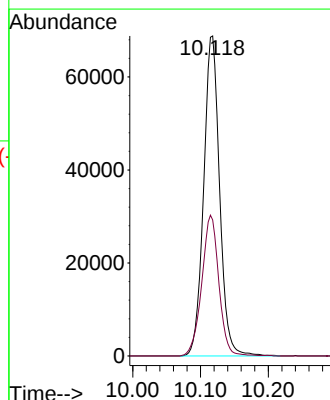
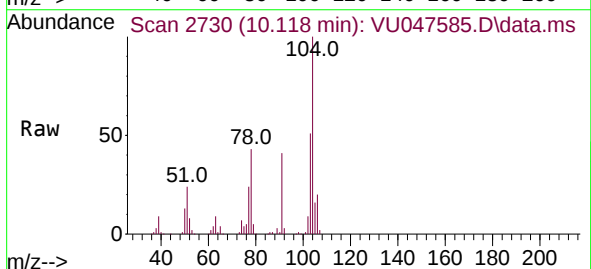
Acq: 16 Mar 2022 11:28

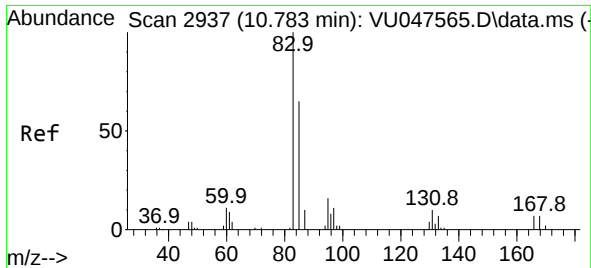
Tgt Ion:104 Resp: 112642

Ion Ratio Lower Upper

104 100

78 42.5 31.0 57.6

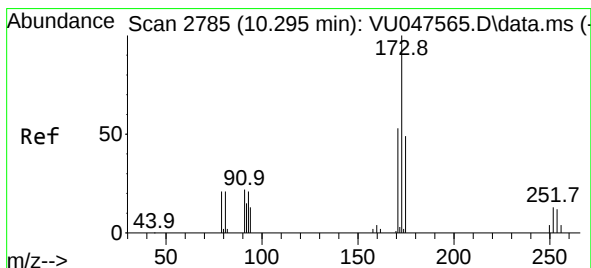
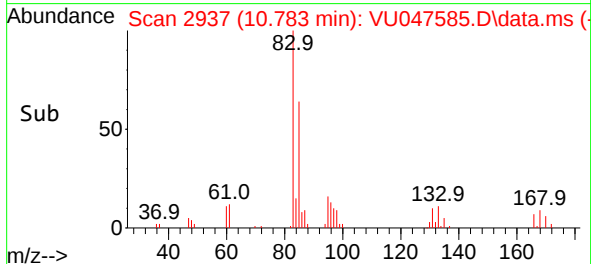
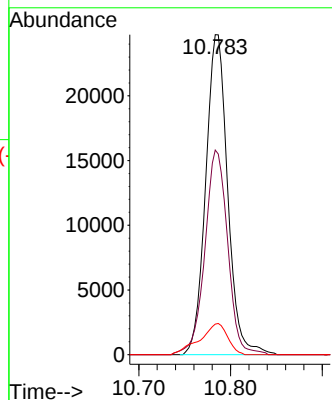
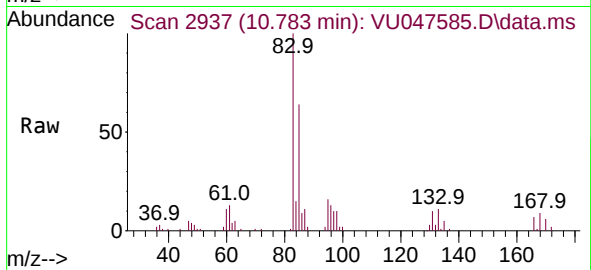




#57
1,1,2-Tetrachloroethane
Concen: 4.765 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

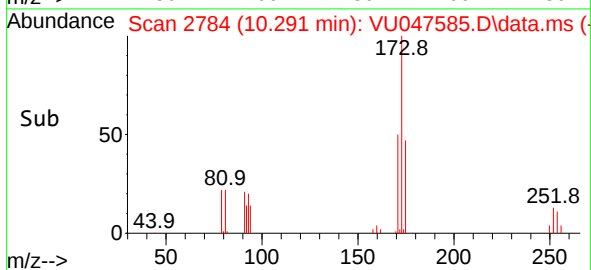
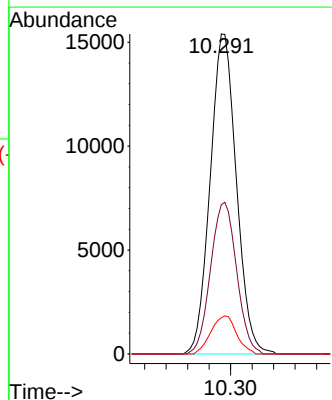
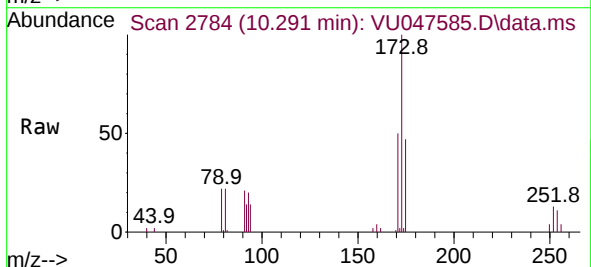
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

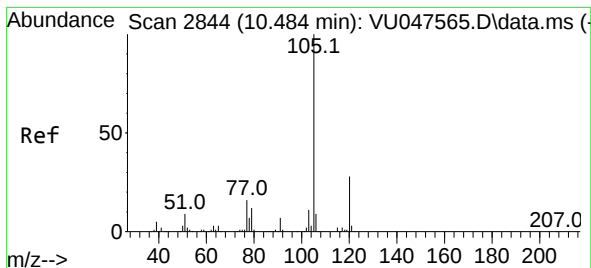
Tgt Ion: 83 Resp: 41227
Ion Ratio Lower Upper
83 100
85 64.0 46.7 86.7
131 9.5 8.0 12.0



#59
Bromoform
Concen: 5.077 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 173 Resp: 26050
Ion Ratio Lower Upper
173 100
175 47.0 39.7 59.5
254 11.6 9.0 13.6





#60

Isopropylbenzene

Concen: 5.115 ug/L

RT: 10.484 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

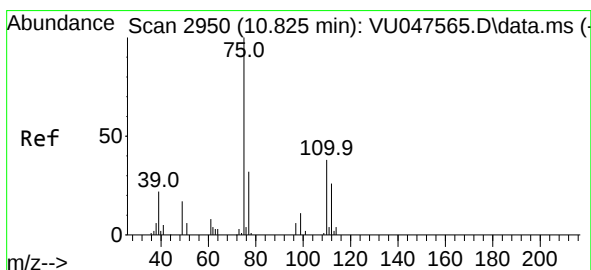
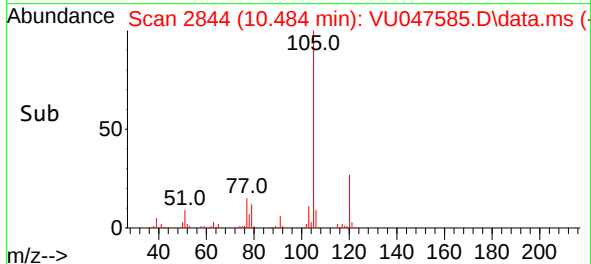
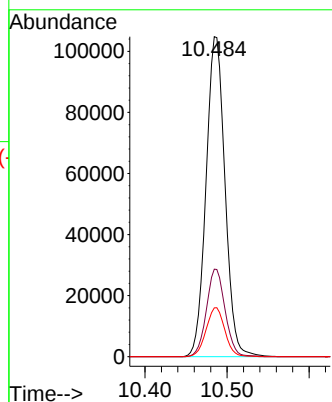
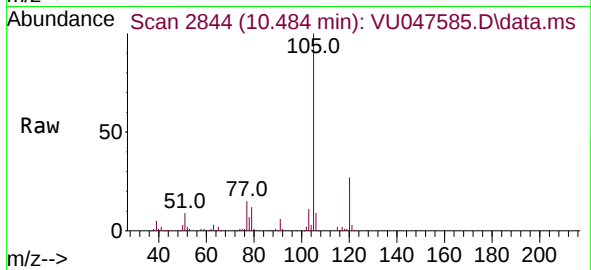
Tgt Ion:105 Resp: 168079

Ion Ratio Lower Upper

105 100

120 26.9 22.2 33.4

77 15.1 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 4.603 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

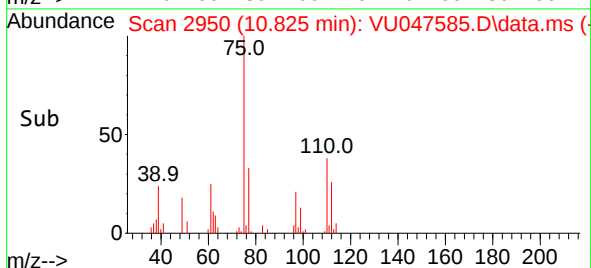
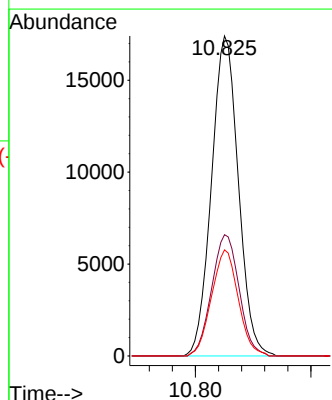
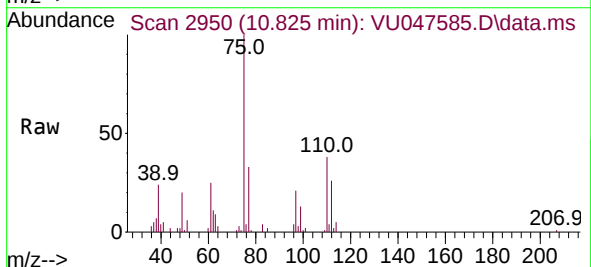
Tgt Ion: 75 Resp: 28083

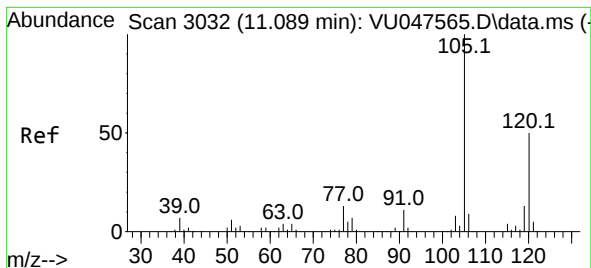
Ion Ratio Lower Upper

75 100

110 38.7 30.2 45.4

77 33.1 26.6 39.8





#62

1,3,5-Trimethylbenzene

Concen: 4.982 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

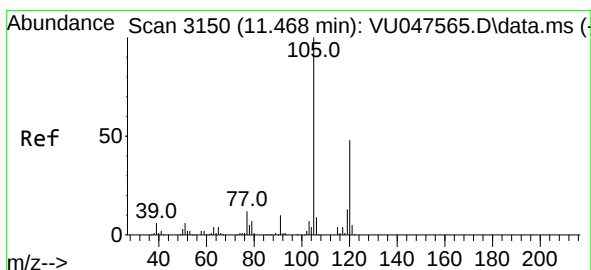
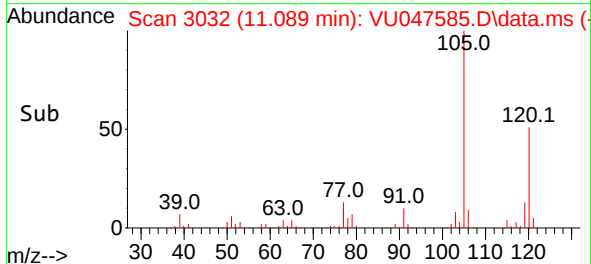
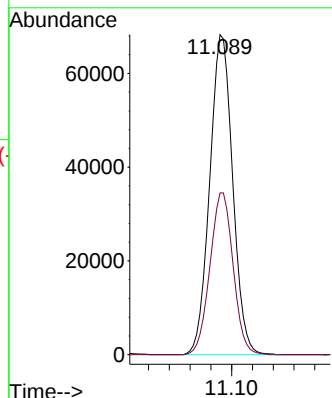
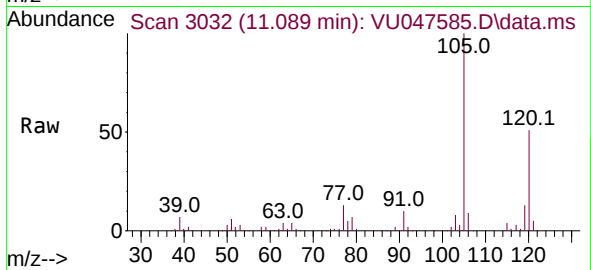
VSTD005104

Tgt Ion:105 Resp: 104526

Ion Ratio Lower Upper

105 100

120 51.1 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 5.074 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU047585.D

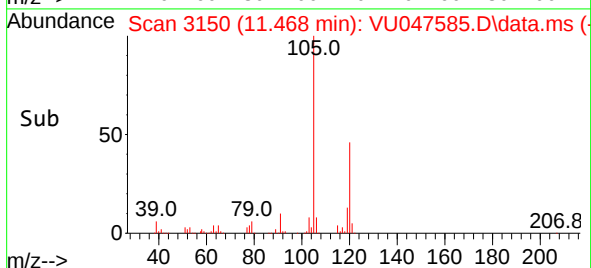
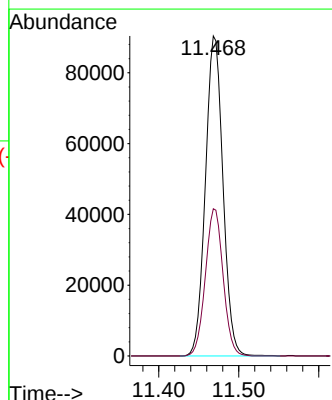
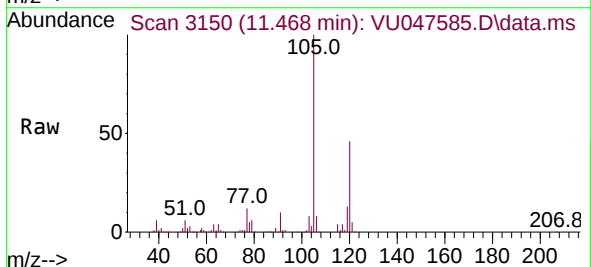
Acq: 16 Mar 2022 11:28

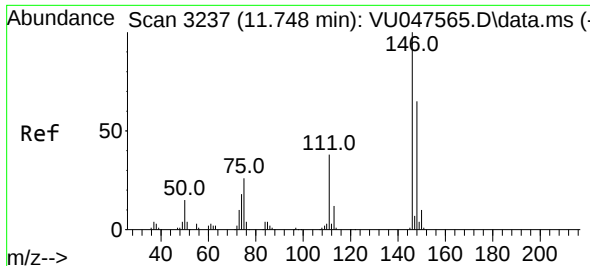
Tgt Ion:105 Resp: 138189

Ion Ratio Lower Upper

105 100

120 46.4 38.2 57.4

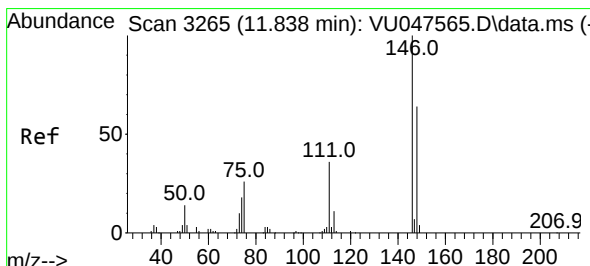
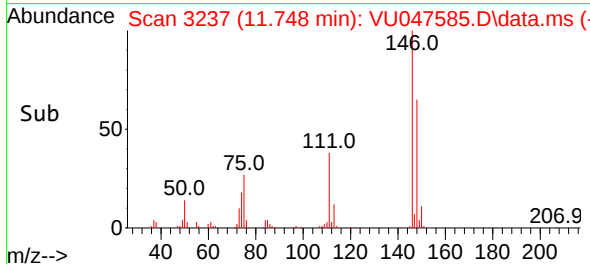
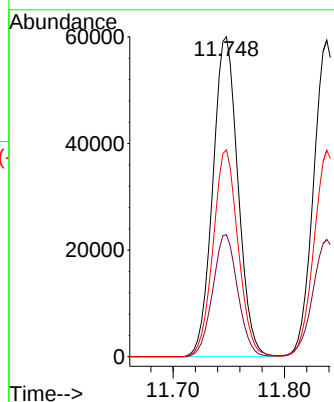
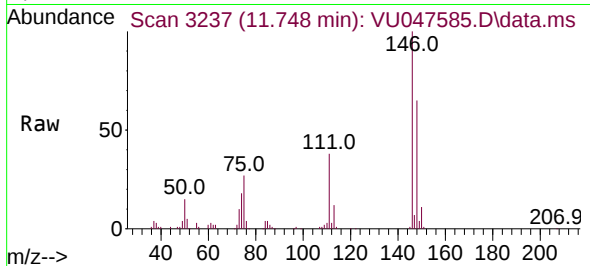




#64
1,3-Dichlorobenzene
Concen: 5.140 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

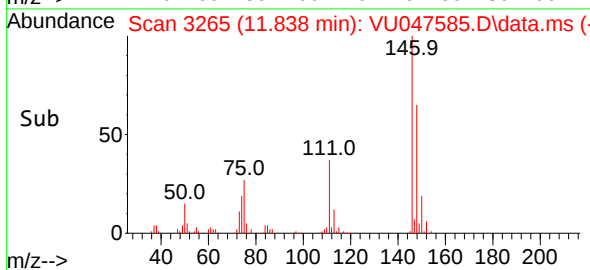
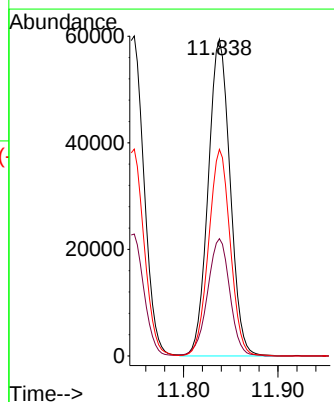
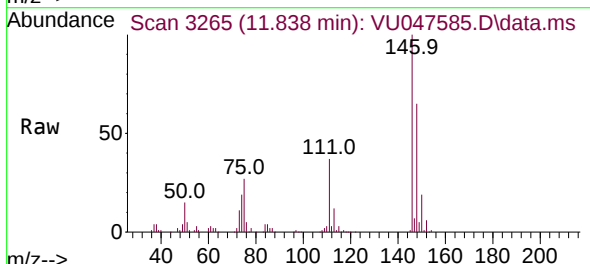
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

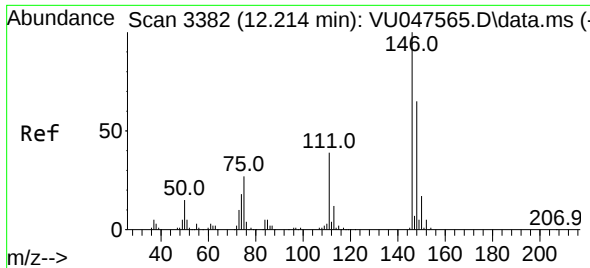
Tgt Ion:146 Resp: 94203
Ion Ratio Lower Upper
146 100
111 38.1 27.7 51.5
148 64.7 46.5 86.5



#65
1,4-Dichlorobenzene
Concen: 5.109 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion:146 Resp: 95644
Ion Ratio Lower Upper
146 100
111 37.1 26.2 48.8
148 65.3 44.3 82.3

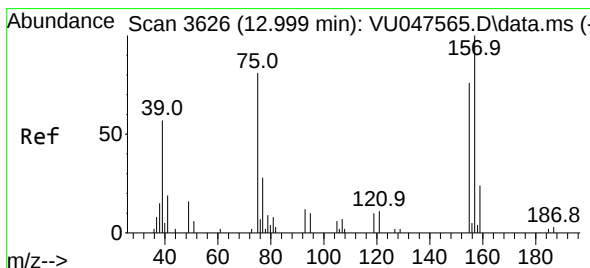
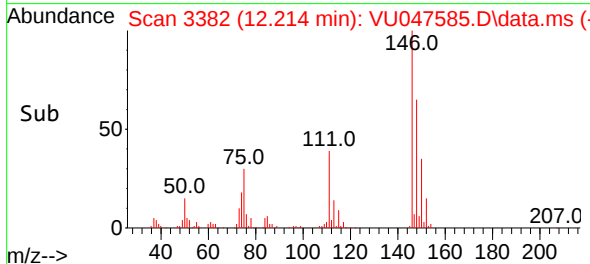
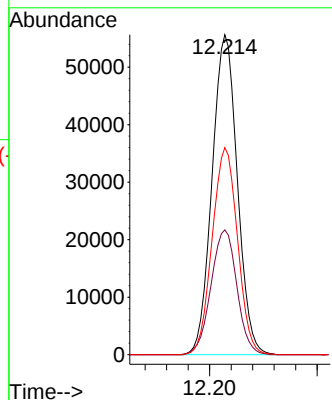
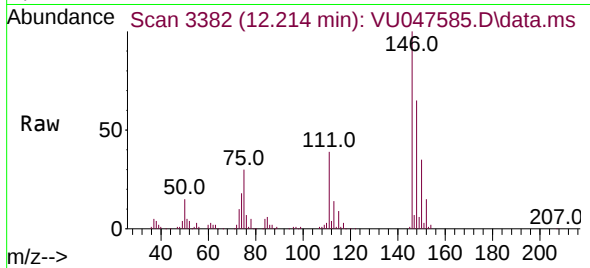




#67
1,2-Dichlorobenzene
Concen: 5.010 ug/L
RT: 12.214 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

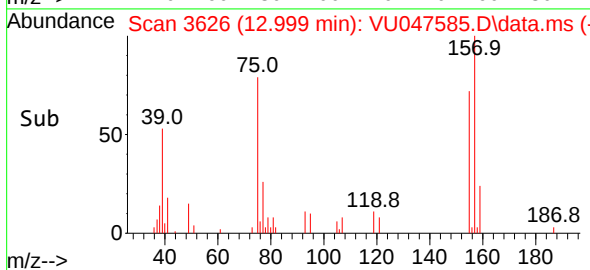
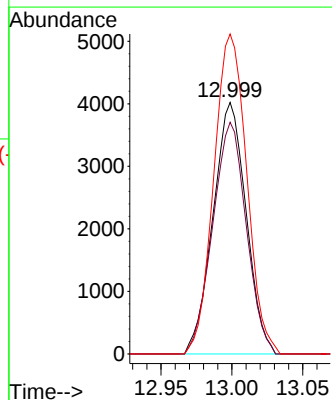
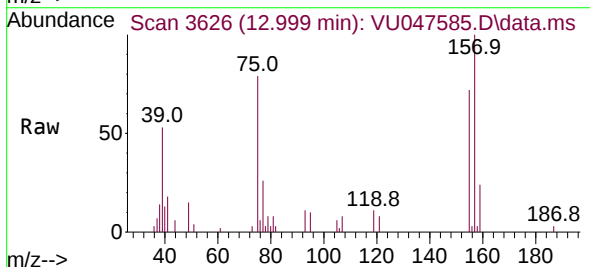
Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

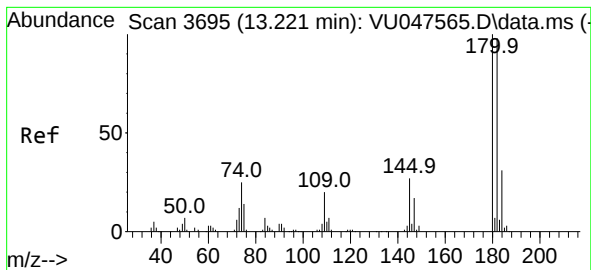
Tgt Ion:146 Resp: 90779
Ion Ratio Lower Upper
146 100
111 39.0 31.4 47.0
148 64.7 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 4.472 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion: 75 Resp: 6545
Ion Ratio Lower Upper
75 100
155 92.1 70.8 106.2
157 127.2 99.4 149.2





#69

1,3,5-Trichlorobenzene

Concen: 5.111 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005104

Tgt Ion:180 Resp: 79187

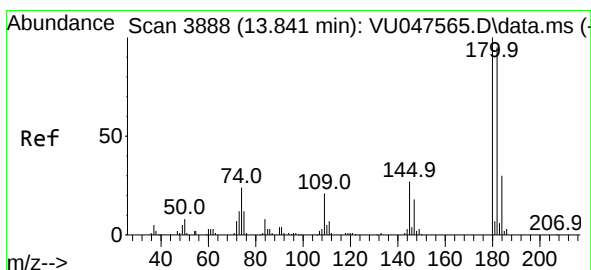
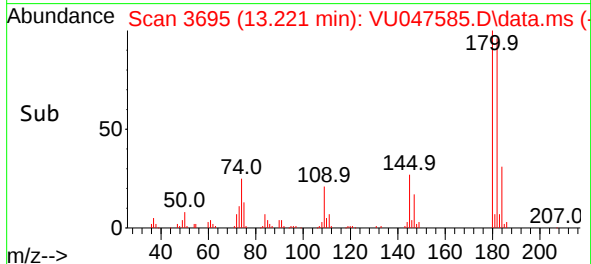
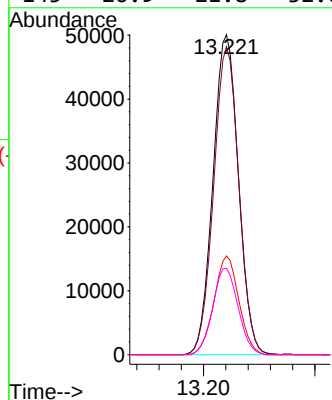
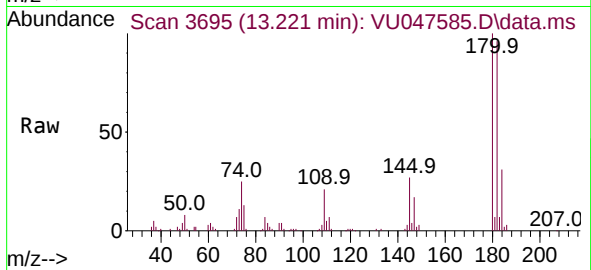
Ion Ratio Lower Upper

180 100

182 95.5 77.3 115.9

184 30.2 24.3 36.5

145 26.9 21.8 32.6



#70

1,2,4-trichlorobenzene

Concen: 5.021 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU047585.D

Acq: 16 Mar 2022 11:28

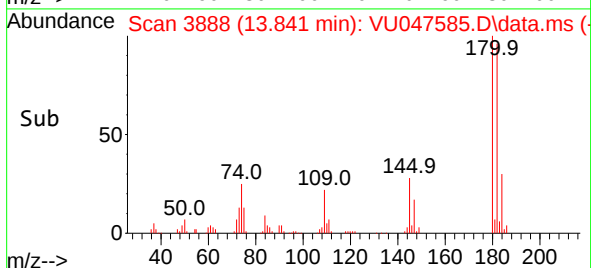
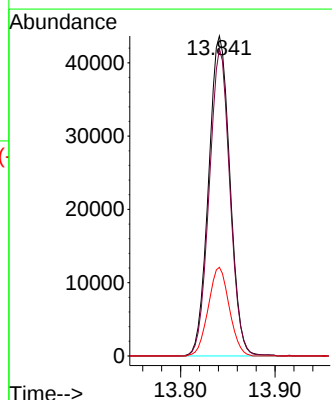
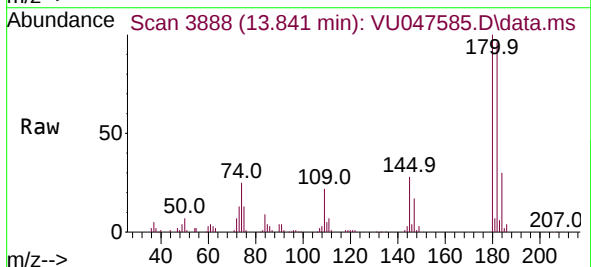
Tgt Ion:180 Resp: 68422

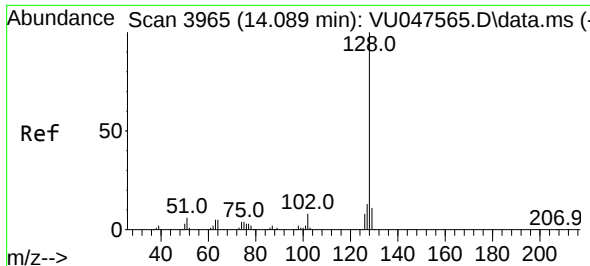
Ion Ratio Lower Upper

180 100

182 92.9 76.6 114.8

145 27.3 22.5 33.7

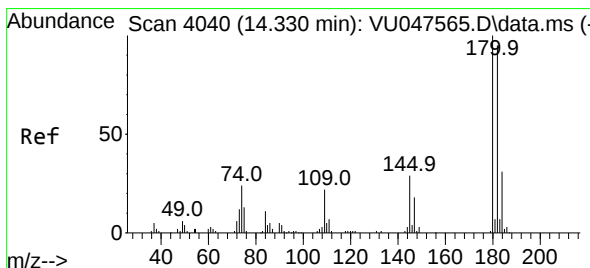
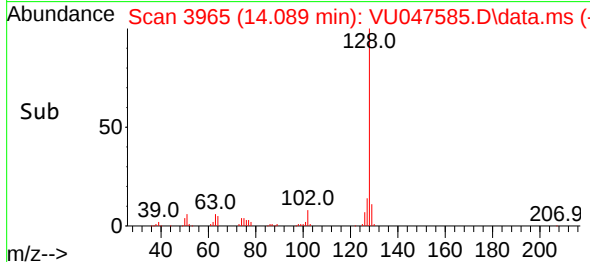
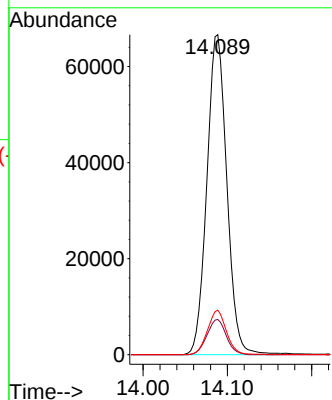
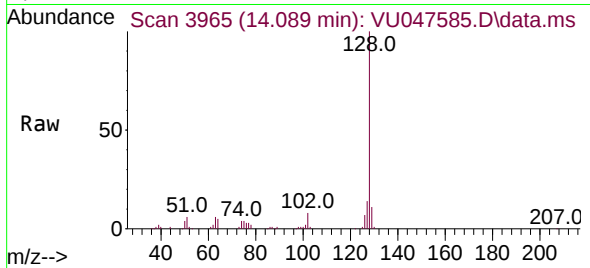




#71
Naphthalene
Concen: 4.347 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD005104

Tgt Ion:128 Resp: 109972
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.831 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047585.D
Acq: 16 Mar 2022 11:28

Tgt Ion:180 Resp: 63177
Ion Ratio Lower Upper
180 100
182 96.0 77.8 116.8
145 29.1 23.7 35.5

