

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031622\
 Data File : VU047599.D
 Acq On : 16 Mar 2022 18:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

Quant Time: Mar 17 00:53:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR031422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 17 00:50:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	133927	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	134190	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	73172	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	30844	3.522	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.919	69	35192	4.427	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.571	65	13402	3.263	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.200%
20) 2-Butanone-d5	4.639	46	112056	44.464	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.920%
24) Chloroform-d	5.067	84	91904	4.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.706	65	50889	4.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.732	84	158081	4.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	6.693	67	55427	4.512	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.899	98	137238	3.747	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.000%
43) trans-1,3-Dichloroprop...	8.182	79	22405	4.338	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.636	63	147778	55.200	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.400%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	61466	5.010	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	66747	4.365	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	38526	4.675	ug/L	99
3) Chloromethane	1.523	50	39135	4.843	ug/L	100
5) Vinyl chloride	1.607	62	41843	5.021	ug/L	98
6) Bromomethane	1.861	94	18819	4.799	ug/L	99
8) Chloroethane	1.938	64	26490	5.259	ug/L	100
9) Trichlorofluoromethane	2.144	101	59492	5.445	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	33629	4.876	ug/L	100
12) 1,1-Dichloroethene	2.584	96	34187	5.124	ug/L	81
13) Acetone	2.652	43	35764	36.396	ug/L	97
14) Carbon disulfide	2.800	76	92468	4.607	ug/L	99
15) Methyl Acetate	2.961	43	13306	4.905	ug/L	93
16) Methylene chloride	3.051	84	41168	4.183	ug/L	98
17) Methyl tert-butyl Ether	3.369	73	85902	5.018	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	35445	4.942	ug/L	99
19) 1,1-Dichloroethane	3.877	63	65624	5.201	ug/L	96
21) 2-Butanone	4.719	43	65712	35.149	ug/L	95
22) cis-1,2-Dichloroethene	4.671	96	41086	5.163	ug/L	94
23) Bromochloromethane	4.980	128	20910	5.178	ug/L	96
25) Chloroform	5.092	83	72577	5.232	ug/L	99

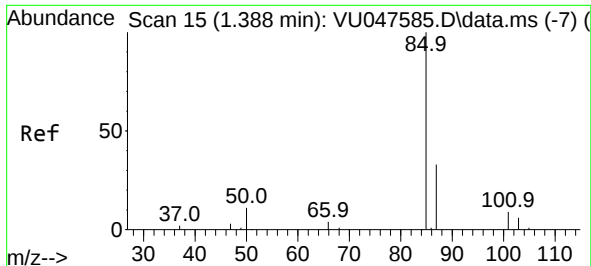
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031622\
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Quant Time: Mar 17 00:53:36 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 17 00:50:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	44361	5.000	ug/L	98
29) 1,1,1-Trichloroethane	5.321	97	61051	5.116	ug/L	99
30) Cyclohexane	5.391	56	45582	4.423	ug/L	99
31) Carbon tetrachloride	5.530	117	53653	5.111	ug/L	99
33) Benzene	5.777	78	152991	5.046	ug/L	100
34) Trichloroethene	6.546	95	39826	4.957	ug/L	96
35) Methylcyclohexane	6.767	83	49479	4.279	ug/L	99
37) 1,2-Dichloropropane	6.793	63	39105	5.033	ug/L	100
38) Bromodichloromethane	7.108	83	54582	5.102	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	56940	4.716	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	258477	47.724	ug/L	99
42) Toluene	7.970	91	164756	5.012	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	51864	4.815	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	34258	5.143	ug/L	98
47) Tetrachloroethene	8.555	164	32271	4.709	ug/L	95
48) 2-Hexanone	8.687	43	193668	46.984	ug/L	97
49) Dibromochloromethane	8.812	129	42754	5.210	ug/L	98
50) 1,2-Dibromoethane	8.925	107	33318	5.058	ug/L	99
51) Chlorobenzene	9.449	112	111405	4.962	ug/L	99
52) Ethylbenzene	9.571	91	167999	4.826	ug/L	100
53) m,p-Xylene	9.693	106	65073	4.835	ug/L	100
54) o-Xylene	10.102	106	65033	4.891	ug/L	96
55) Styrene	10.115	104	113869	4.986	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	44914	5.029	ug/L	94
59) Bromoform	10.291	173	28205	5.464	ug/L	98
60) Isopropylbenzene	10.484	105	166047	5.023	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	30493	4.968	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	100870	4.779	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	132086	4.821	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	92526	5.019	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	91435	4.855	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	91857	5.039	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	7116	4.833	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	72121	4.628	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	60958	4.446	ug/L	99
71) Naphthalene	14.085	128	102247	4.018	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	59452	4.519	ug/L	100

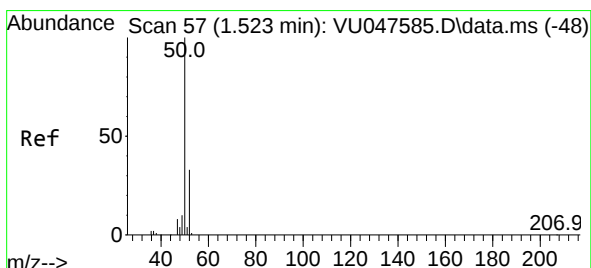
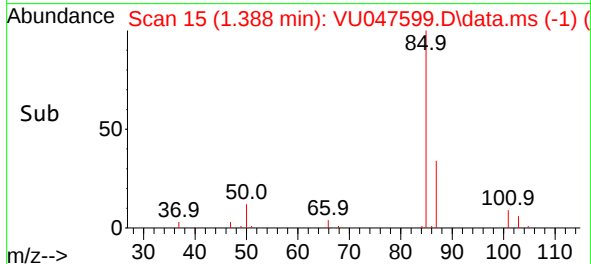
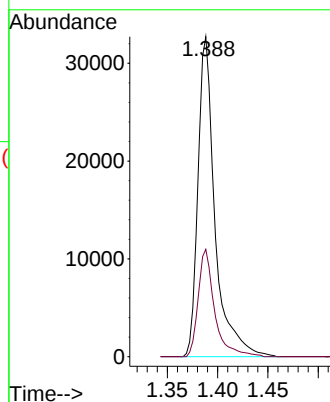
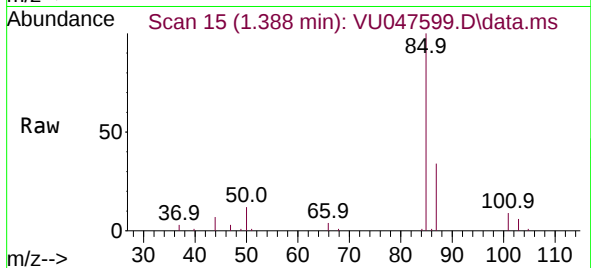
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.675 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

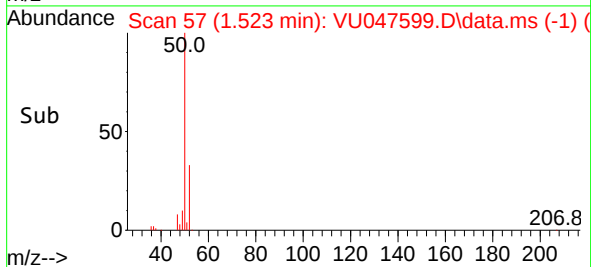
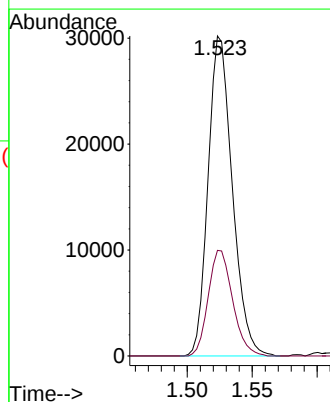
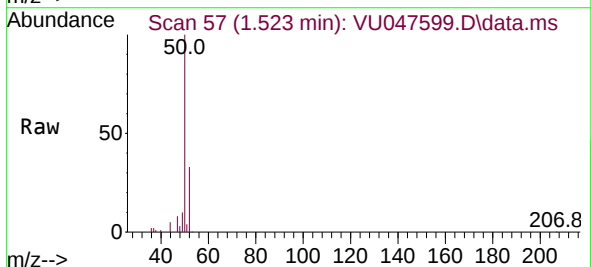
Instrument :
MSVOA_U
ClientSampleId :
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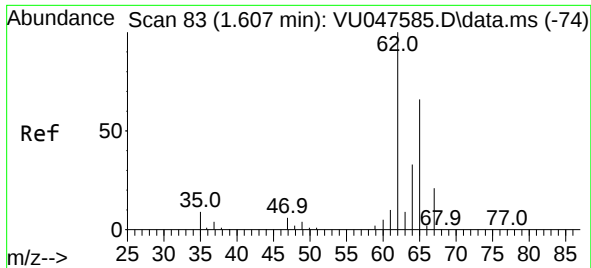
Tgt Ion: 85 Resp: 38526
Ion Ratio Lower Upper
85 100
87 32.5 26.2 39.4



#3
Chloromethane
Concen: 4.843 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 50 Resp: 39135
Ion Ratio Lower Upper
50 100
52 33.0 23.2 43.0

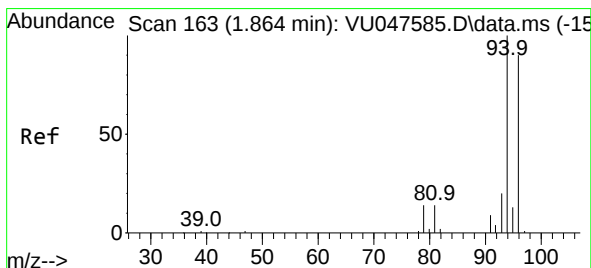
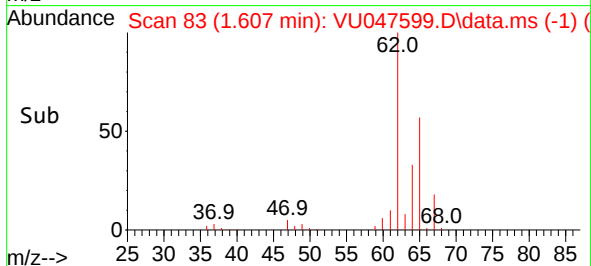
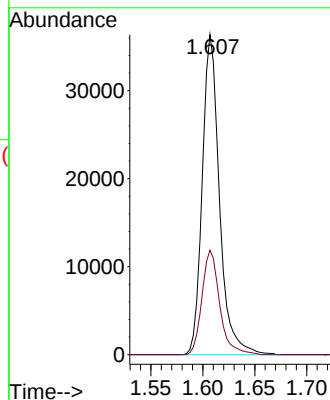
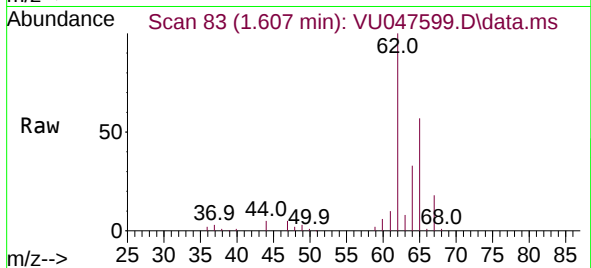




#5
 Vinyl chloride
 Concen: 5.021 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047599.D
 Acq: 16 Mar 2022 18:50

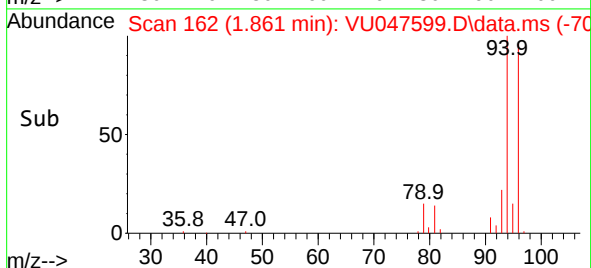
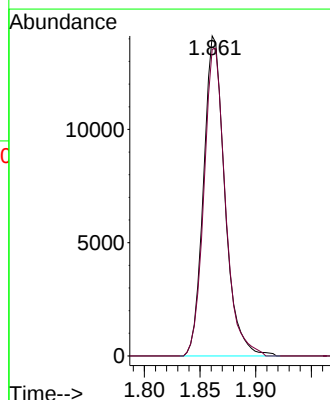
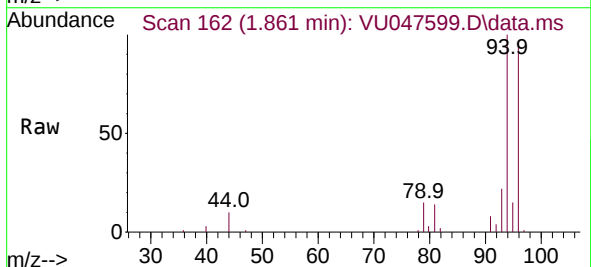
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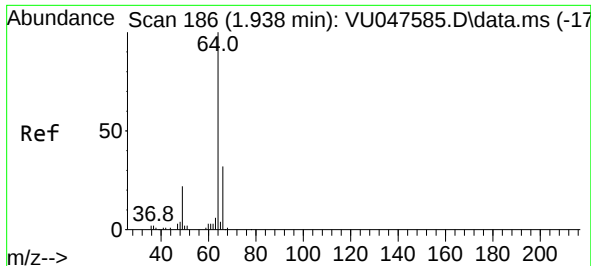
Tgt Ion: 62 Resp: 41843
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.5 43.7



#6
 Bromomethane
 Concen: 4.799 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU047599.D
 Acq: 16 Mar 2022 18:50

Tgt Ion: 94 Resp: 18819
 Ion Ratio Lower Upper
 94 100
 96 95.8 66.5 123.5

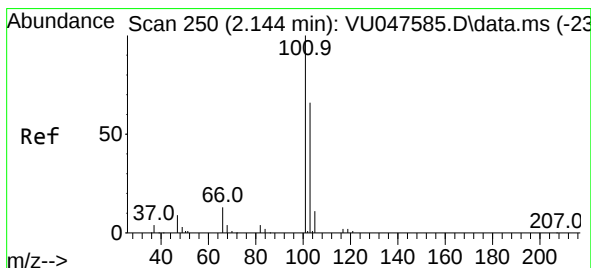
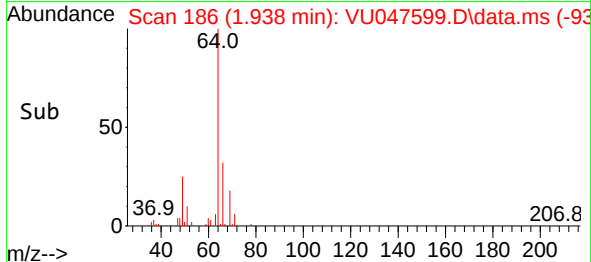
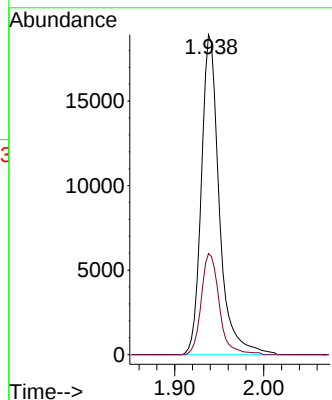
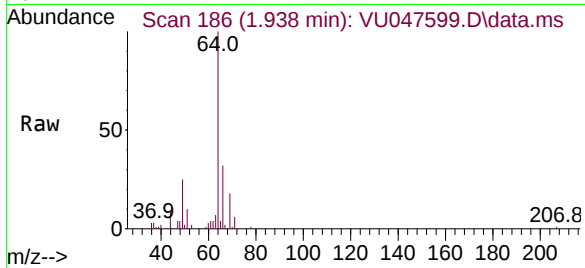




#8
Chloroethane
Concen: 5.259 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

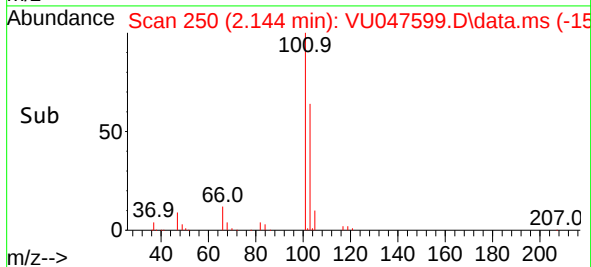
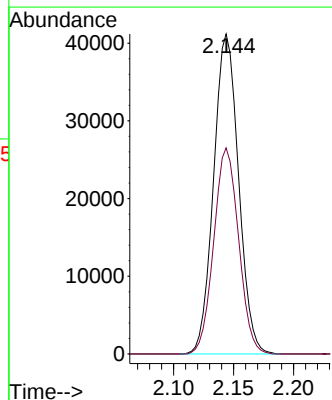
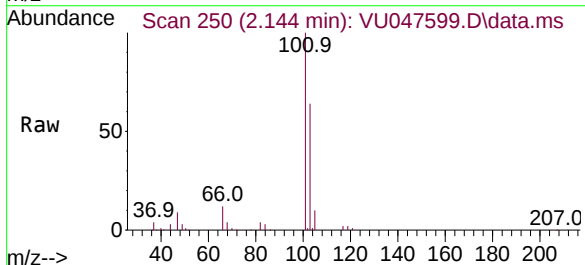
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ClientSampleId :
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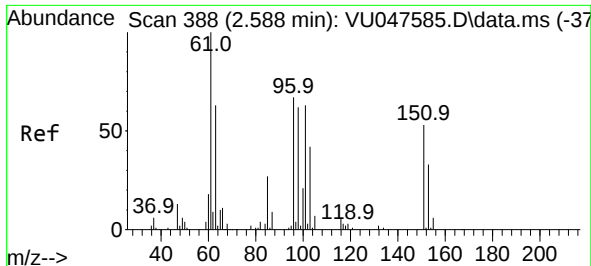
Tgt Ion: 64 Resp: 26490
Ion Ratio Lower Upper
64 100
66 31.6 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.445 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 101 Resp: 59492
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

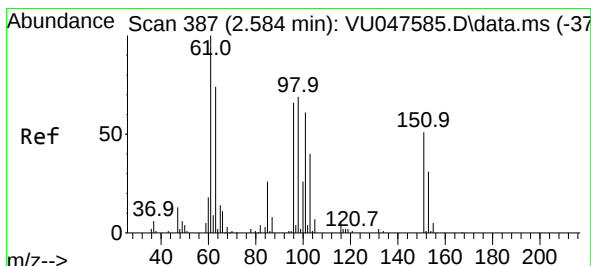
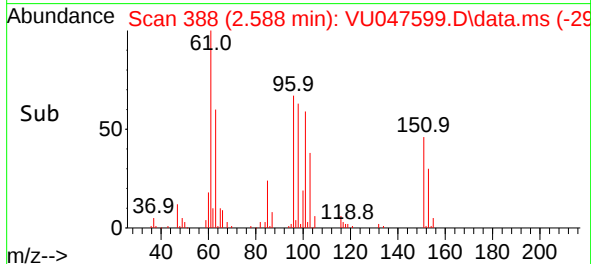
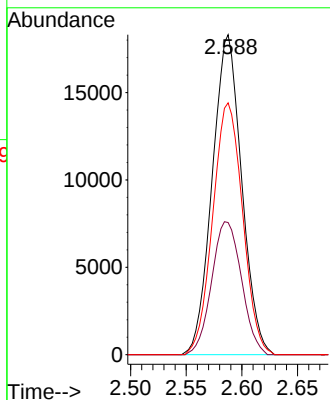
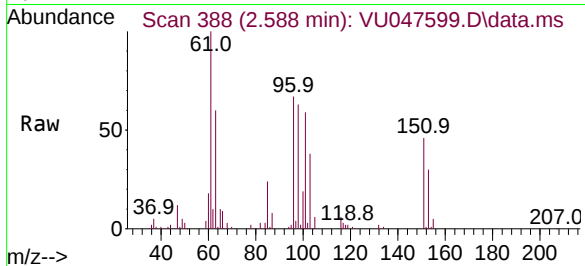




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.876 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

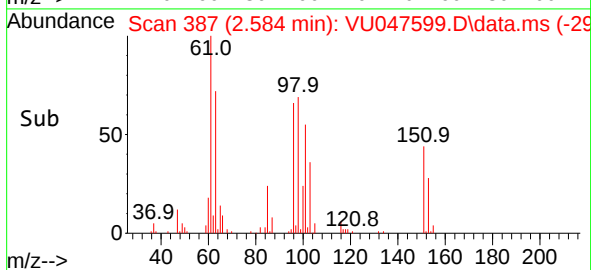
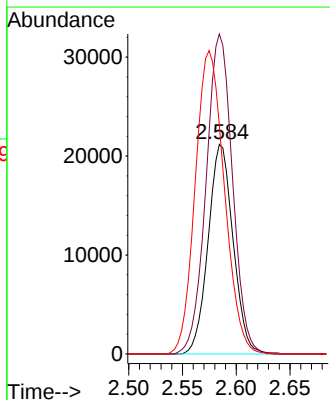
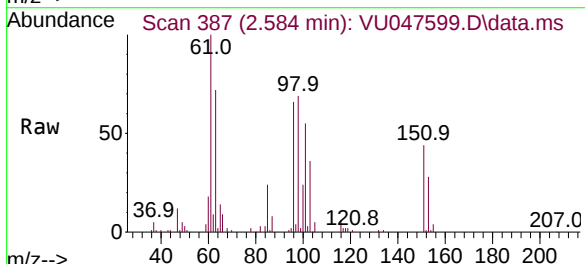
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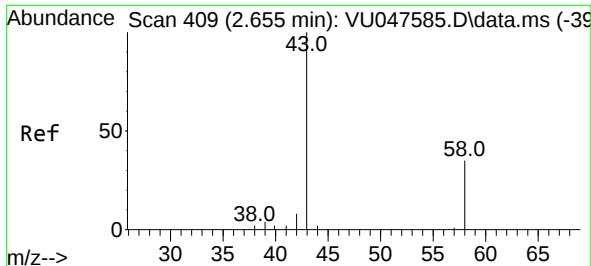
Tgt Ion:101 Resp: 33629
Ion Ratio Lower Upper
101 100
85 42.2 34.0 51.0
151 79.9 63.8 95.6



#12
1,1-Dichloroethene
Concen: 5.124 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 96 Resp: 34187
Ion Ratio Lower Upper
96 100
61 152.6 111.4 207.0
63 109.2 106.6 198.0





#13

Acetone

Concen: 36.396 ug/L

RT: 2.652 min Scan# 409

Delta R.T. -0.003 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

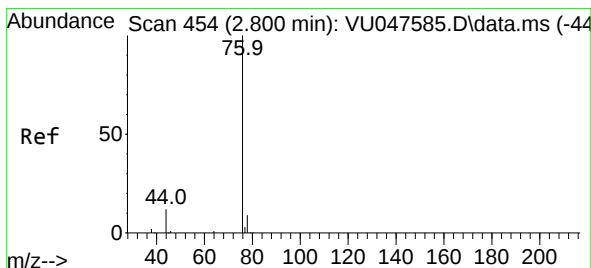
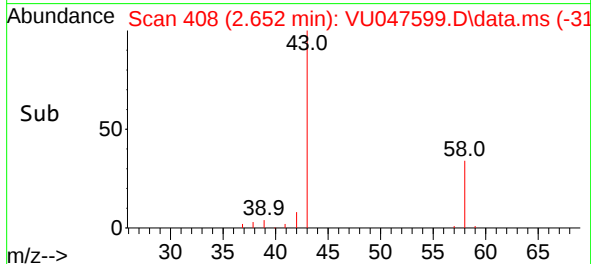
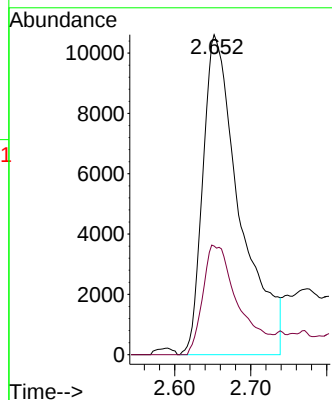
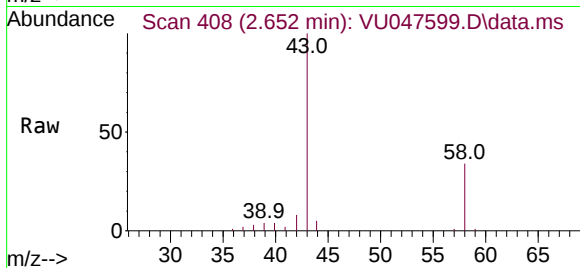
VSTD005105

Tgt Ion: 43 Resp: 35764

Ion Ratio Lower Upper

43 100

58 33.2 0.0 69.4



#14

Carbon disulfide

Concen: 4.607 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047599.D

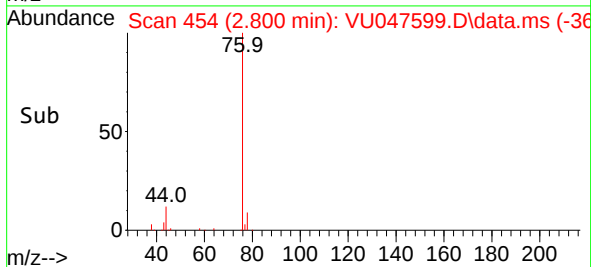
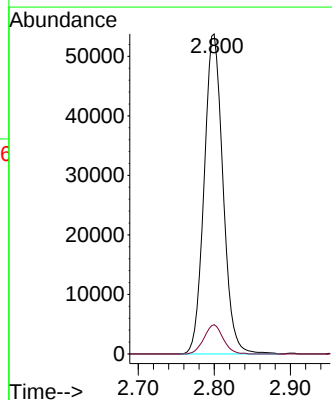
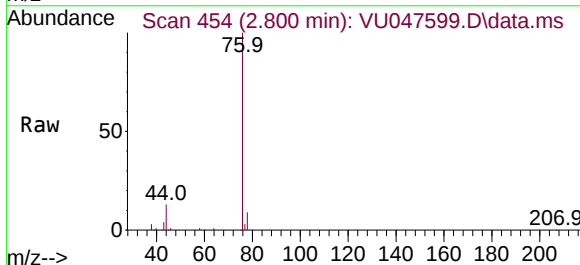
Acq: 16 Mar 2022 18:50

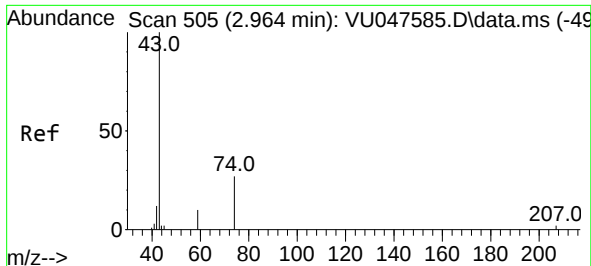
Tgt Ion: 76 Resp: 92468

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

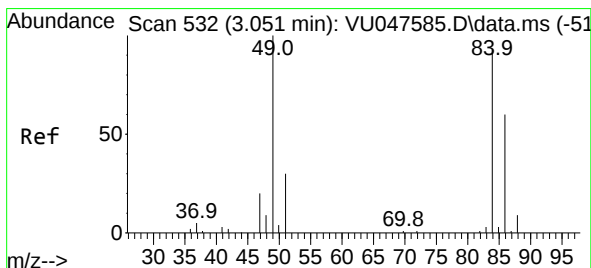
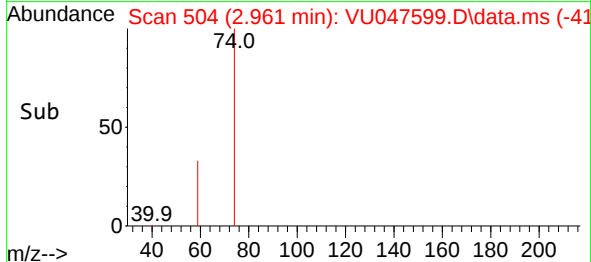
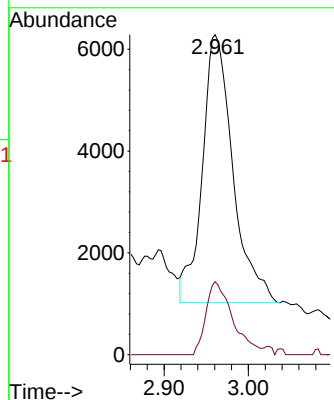
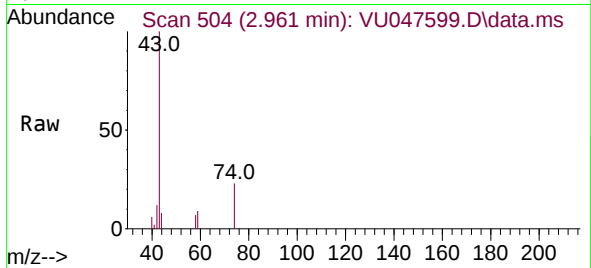




#15
Methyl Acetate
Concen: 4.905 ug/L
RT: 2.961 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

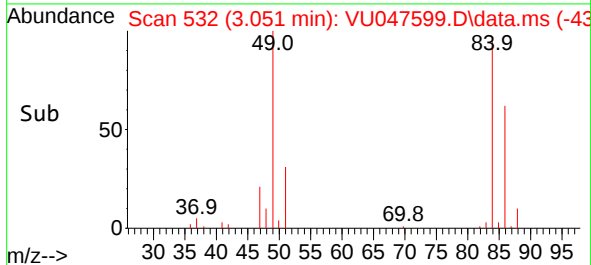
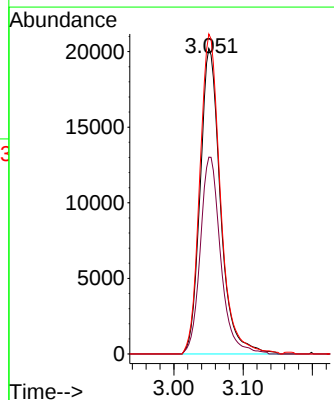
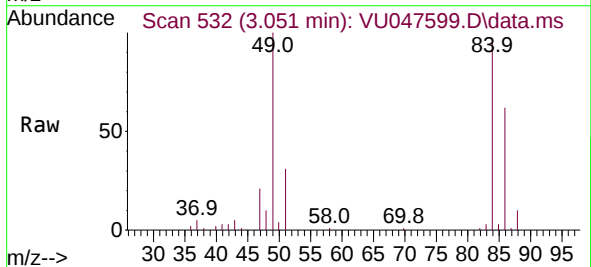
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

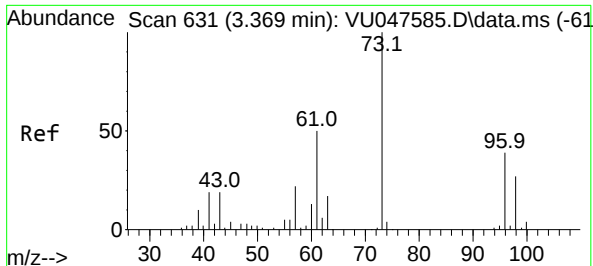
Tgt Ion: 43 Resp: 13306
Ion Ratio Lower Upper
43 100
74 23.8 21.8 32.6



#16
Methylene chloride
Concen: 4.183 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 84 Resp: 41168
Ion Ratio Lower Upper
84 100
86 64.4 45.4 84.4
49 104.8 75.0 139.4

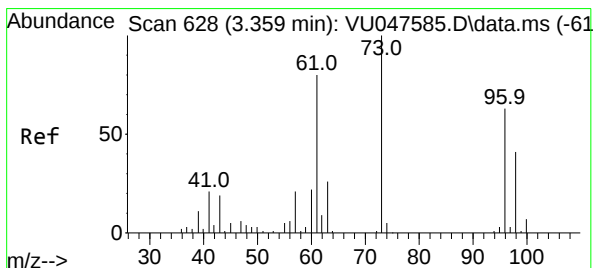
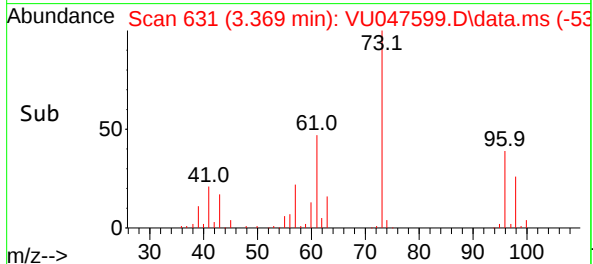
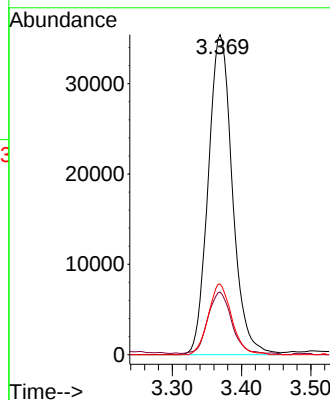
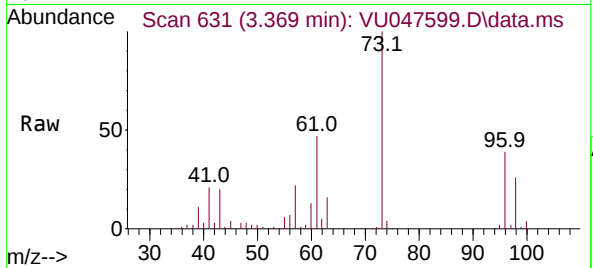




#17
Methyl tert-butyl Ether
Concen: 5.018 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

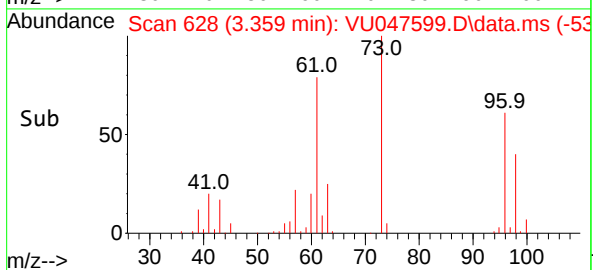
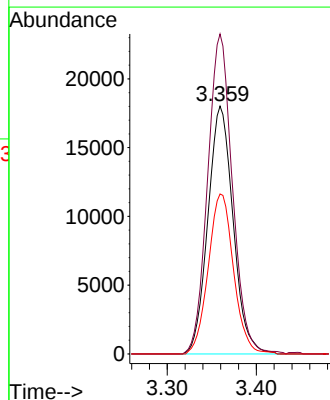
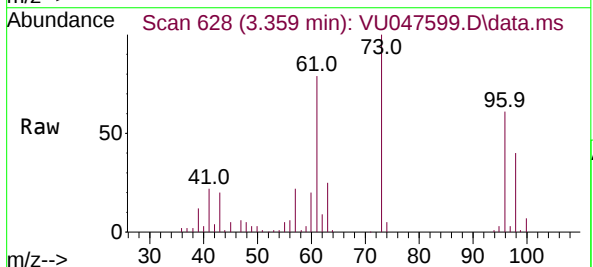
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

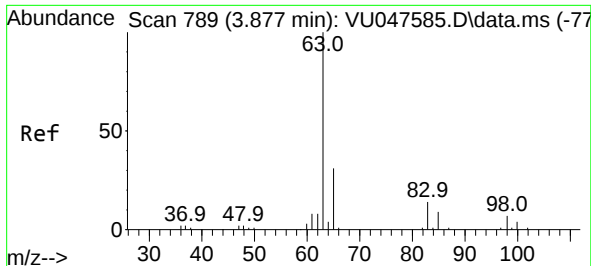
Tgt Ion: 73	Resp:	85902	
Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.2	22.8
57	21.3	17.2	25.8



#18
trans-1,2-Dichloroethene
Concen: 4.942 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 96	Resp:	35445	
Ion	Ratio	Lower	Upper
96	100		
61	129.1	91.7	170.3
98	64.6	45.1	83.7





#19

1,1-Dichloroethane

Concen: 5.201 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

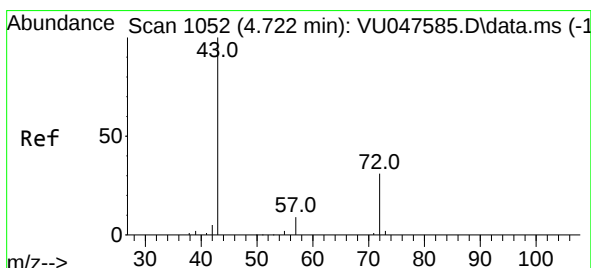
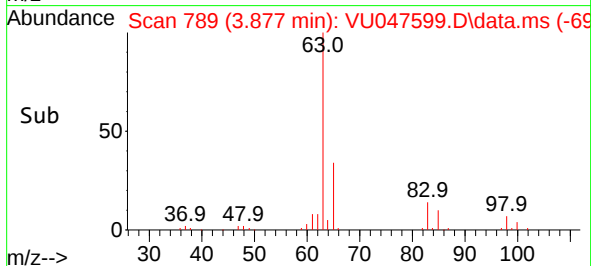
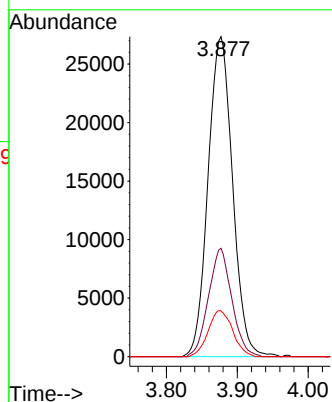
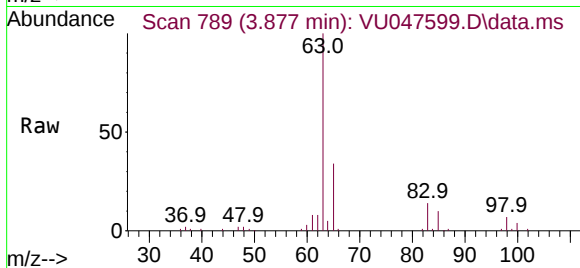
Tgt Ion: 63 Resp: 65624

Ion Ratio Lower Upper

63 100

65 33.8 21.8 40.6

83 14.3 10.8 20.0



#21

2-Butanone

Concen: 35.149 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

Lab File: VU047599.D

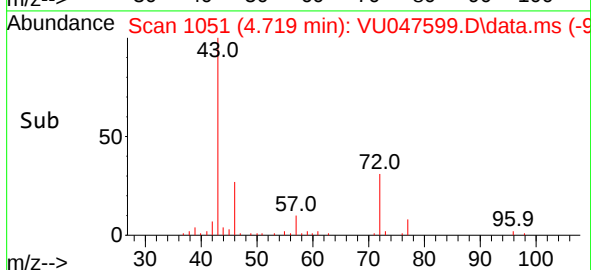
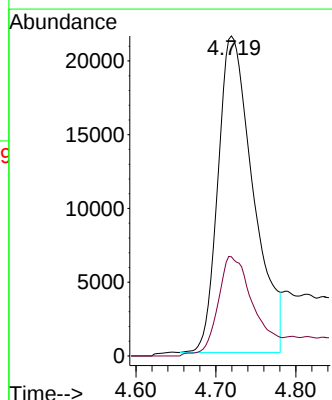
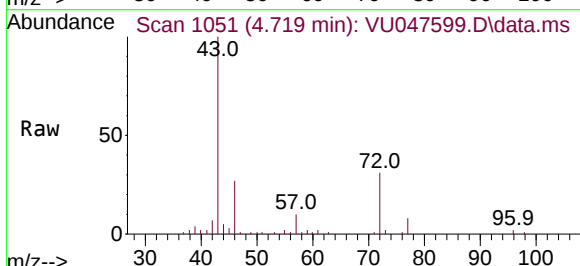
Acq: 16 Mar 2022 18:50

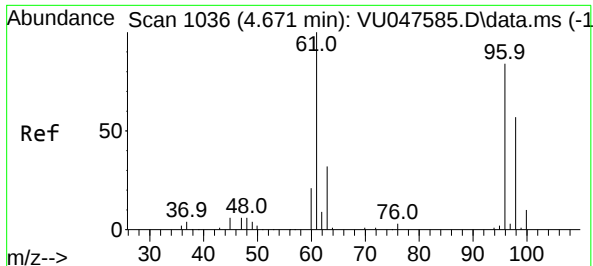
Tgt Ion: 43 Resp: 65712

Ion Ratio Lower Upper

43 100

72 32.5 14.9 44.7





#22

cis-1,2-Dichloroethene

Concen: 5.163 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

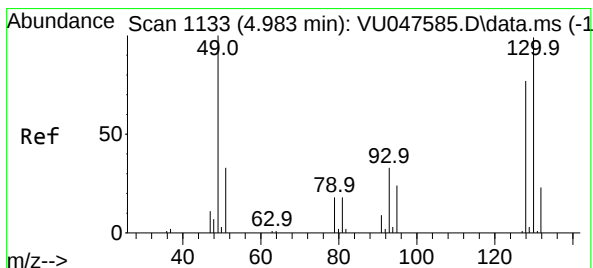
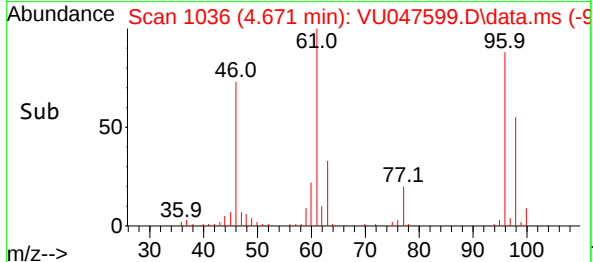
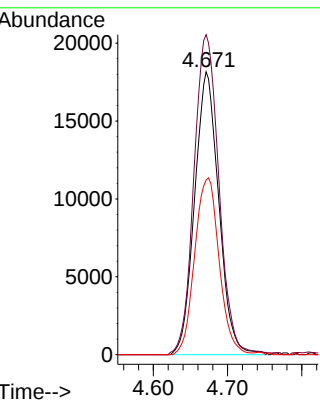
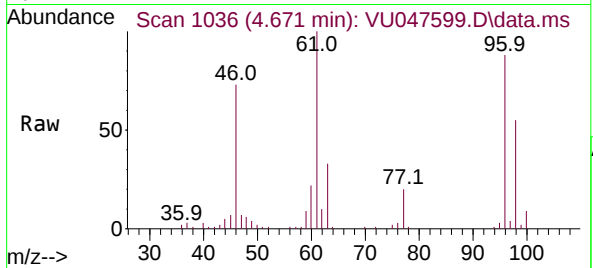
Tgt Ion: 96 Resp: 41086

Ion Ratio Lower Upper

96 100

61 113.1 83.9 155.7

98 61.8 46.4 86.2



#23

Bromochloromethane

Concen: 5.178 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. -0.003 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Tgt Ion: 128 Resp: 20910

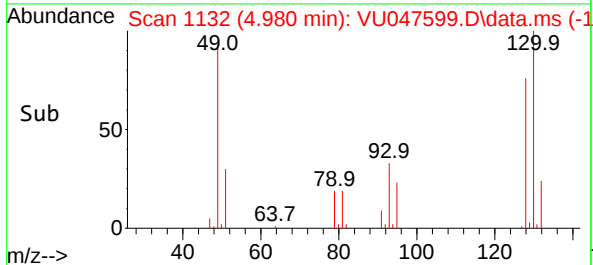
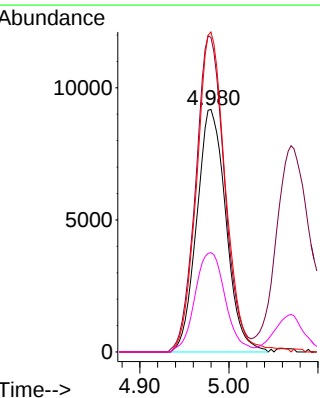
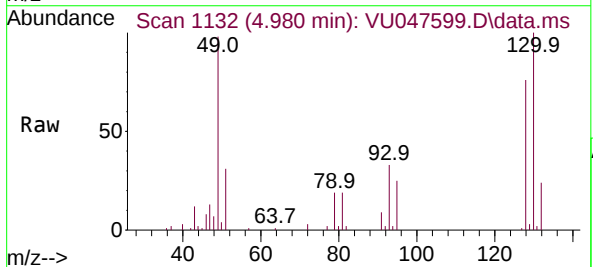
Ion Ratio Lower Upper

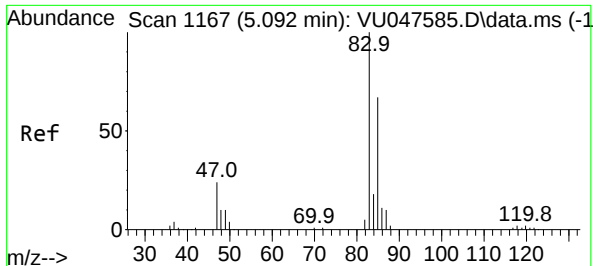
128 100

49 129.7 89.6 166.4

130 132.0 87.3 162.1

51 41.0 34.8 52.2





#25

Chloroform

Concen: 5.232 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

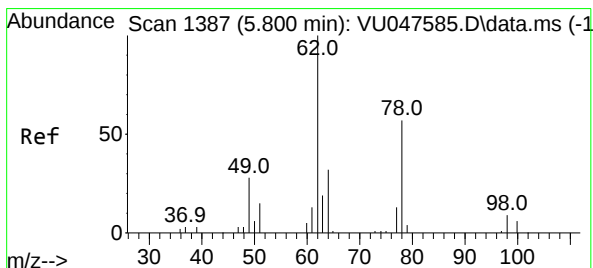
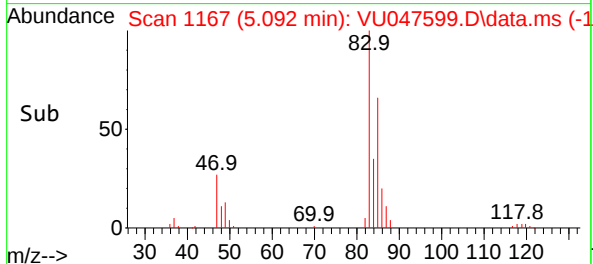
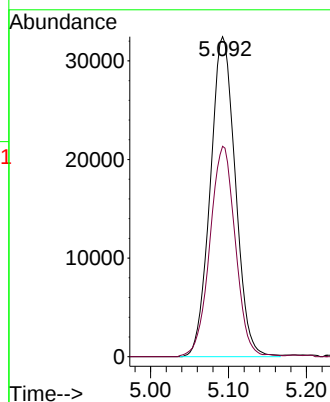
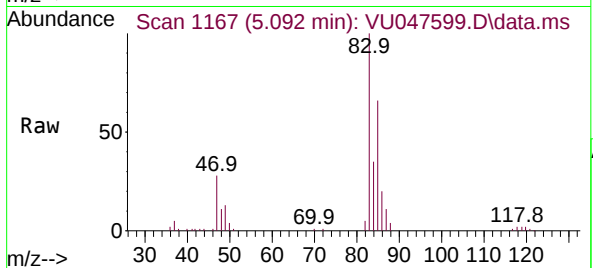
VSTD005105

Tgt Ion: 83 Resp: 72577

Ion Ratio Lower Upper

83 100

85 65.8 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.000 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VU047599.D

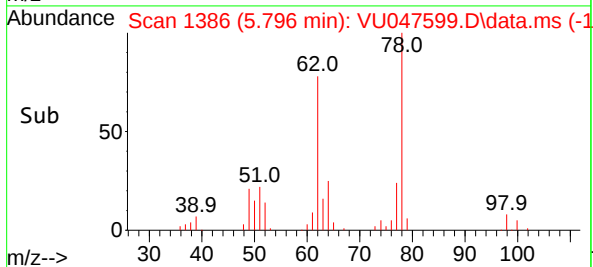
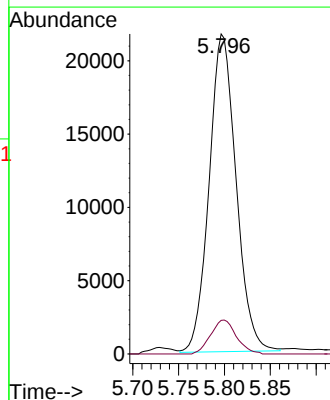
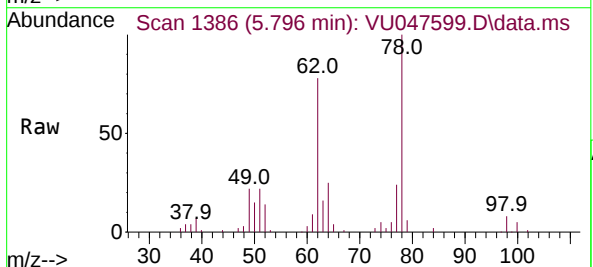
Acq: 16 Mar 2022 18:50

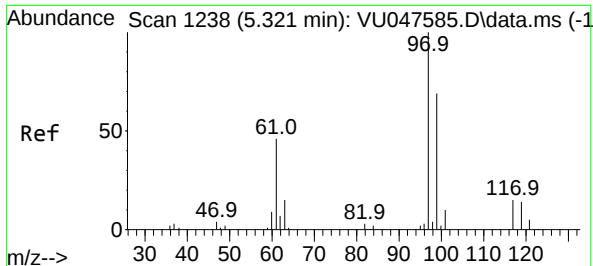
Tgt Ion: 62 Resp: 44361

Ion Ratio Lower Upper

62 100

98 10.5 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.116 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

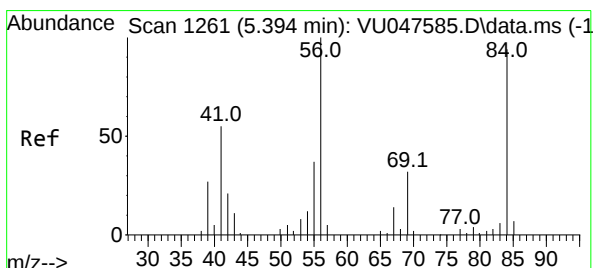
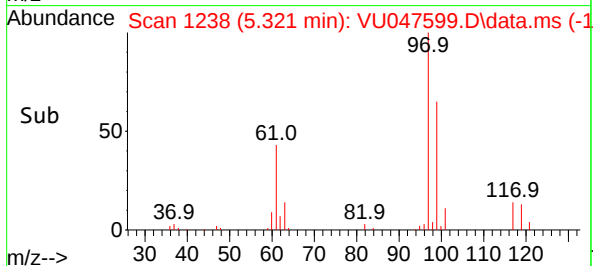
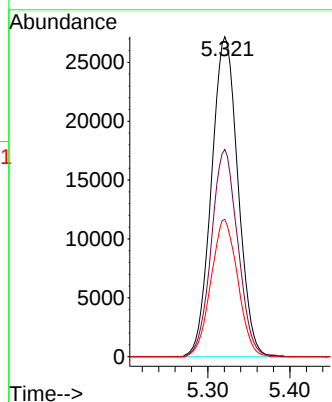
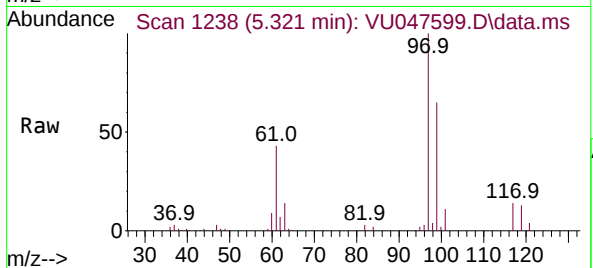
Tgt Ion: 97 Resp: 61051

Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 43.3 35.0 52.4



#30

Cyclohexane

Concen: 4.423 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

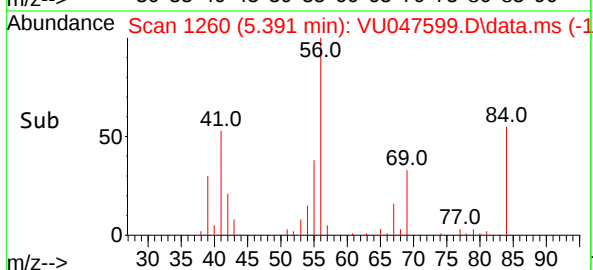
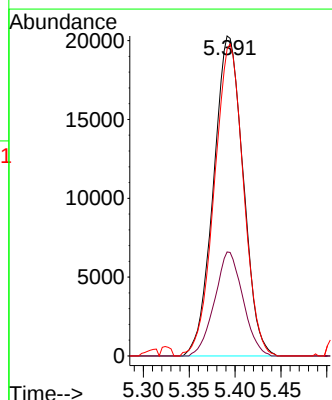
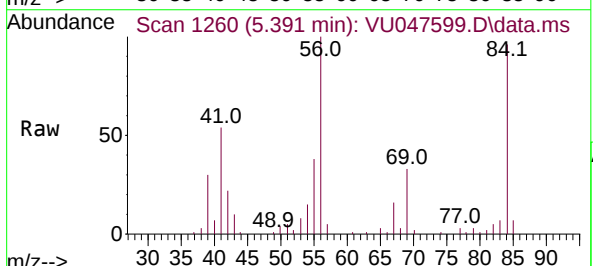
Tgt Ion: 56 Resp: 45582

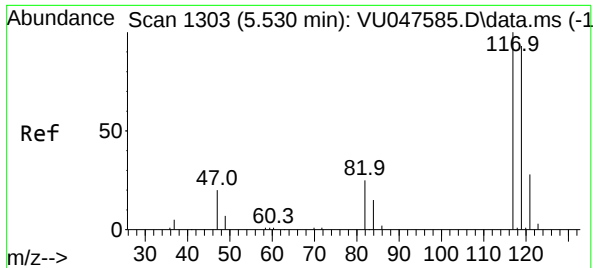
Ion Ratio Lower Upper

56 100

69 31.1 26.0 39.0

84 95.8 76.2 114.4

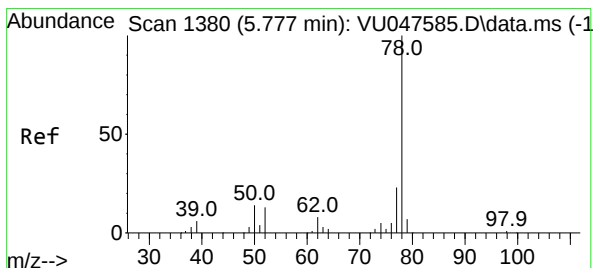
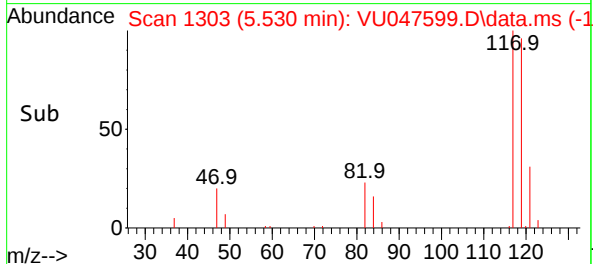
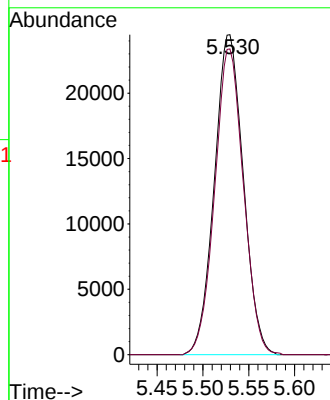
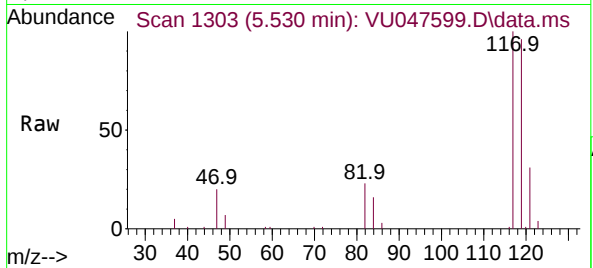




#31
Carbon tetrachloride
Concen: 5.111 ug/L
RT: 5.530 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

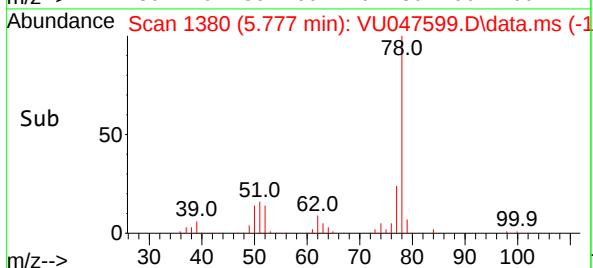
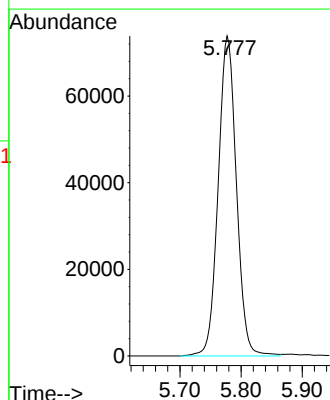
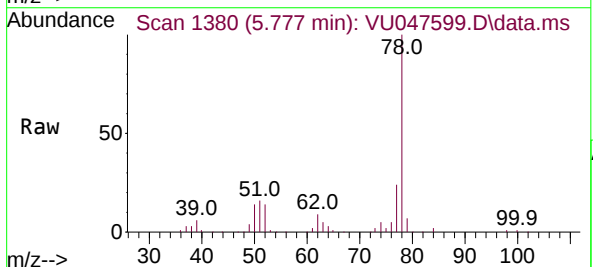
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

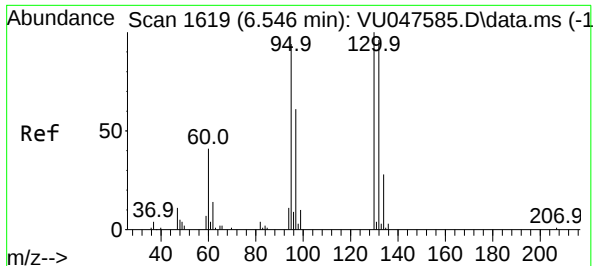
Tgt Ion:117 Resp: 53653
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3



#33
Benzene
Concen: 5.046 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 78 Resp: 152991





#34

Trichloroethene

Concen: 4.957 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

Tgt Ion: 95 Resp: 39826

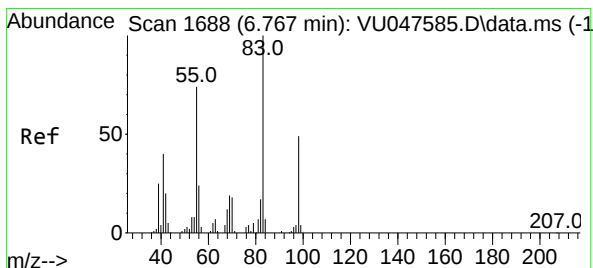
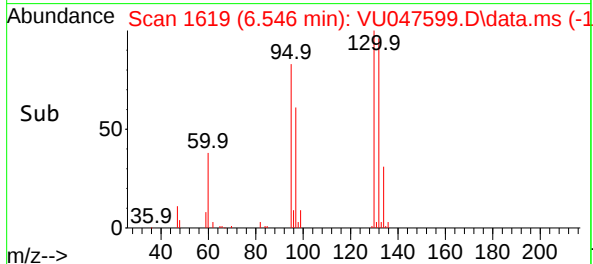
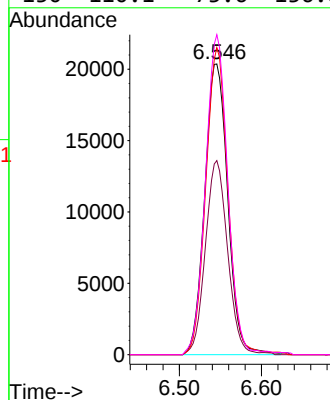
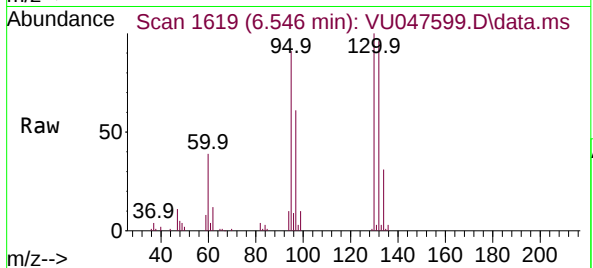
Ion Ratio Lower Upper

95 100

97 66.8 46.3 85.9

132 105.6 70.7 131.3

130 110.1 73.6 136.8



#35

Methylcyclohexane

Concen: 4.279 ug/L

RT: 6.767 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

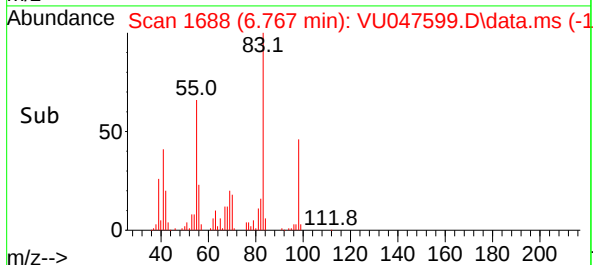
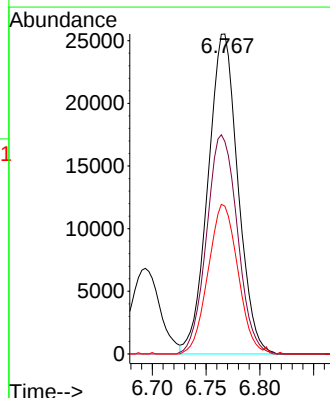
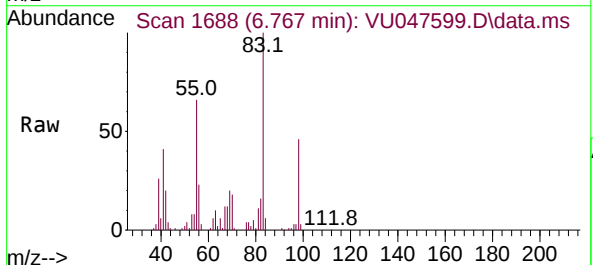
Tgt Ion: 83 Resp: 49479

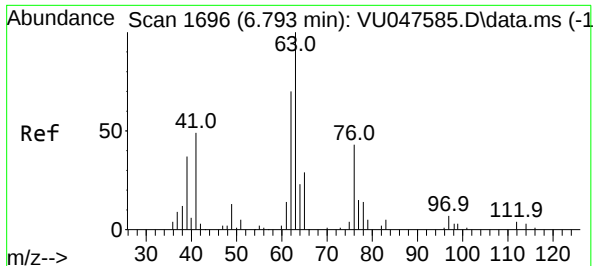
Ion Ratio Lower Upper

83 100

55 70.4 57.3 85.9

98 46.6 37.5 56.3





#37

1,2-Dichloropropane

Concen: 5.033 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

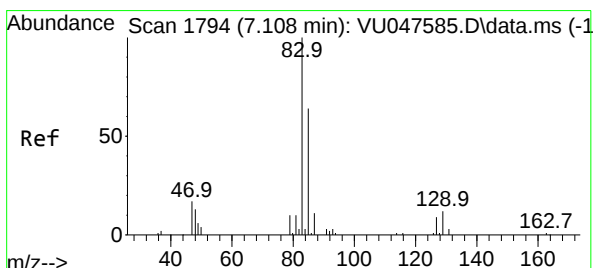
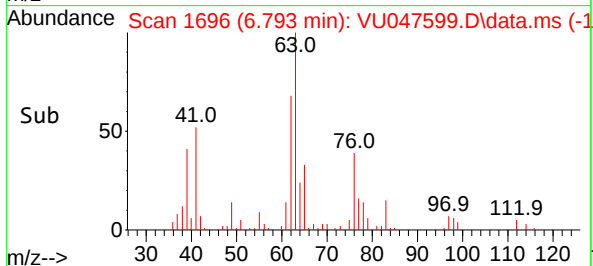
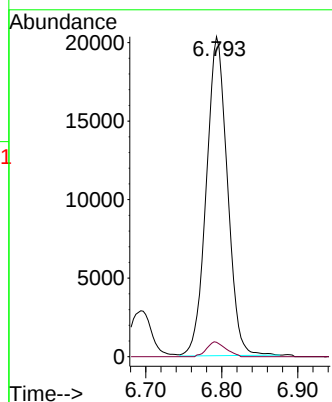
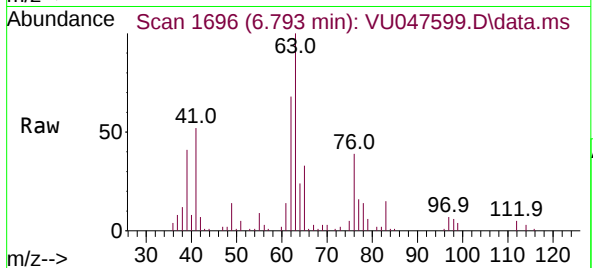
VSTD005105

Tgt Ion: 63 Resp: 39105

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 5.102 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

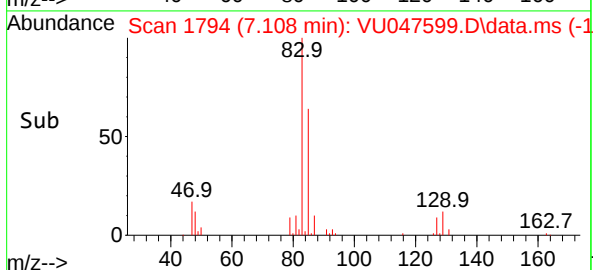
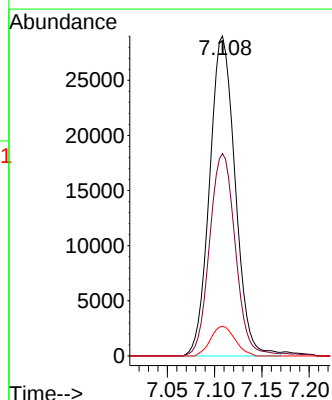
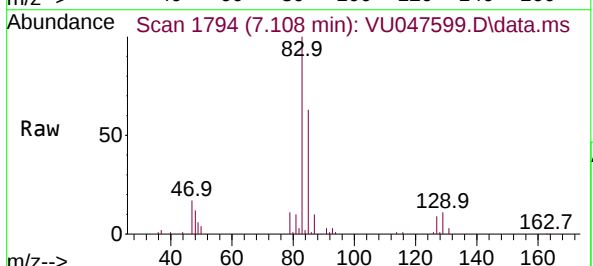
Tgt Ion: 83 Resp: 54582

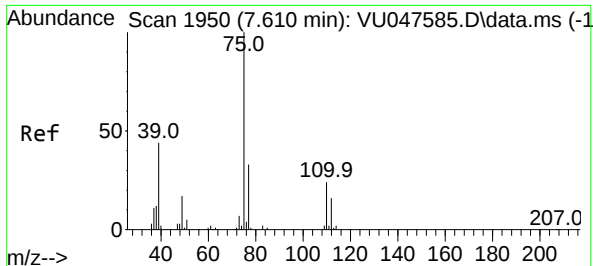
Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.0

127 9.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 4.716 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

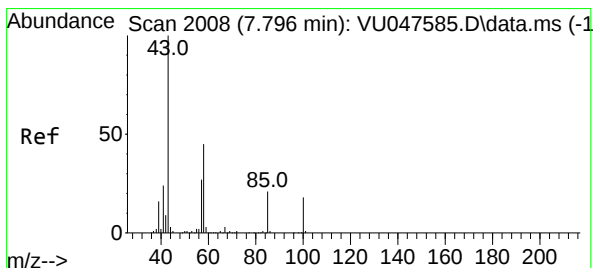
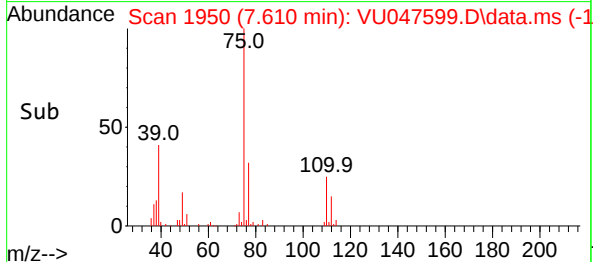
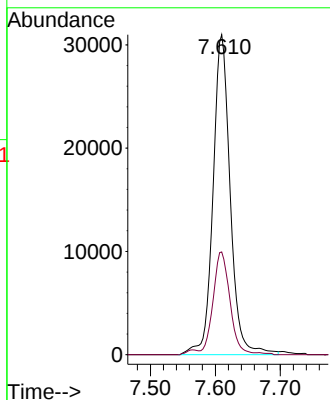
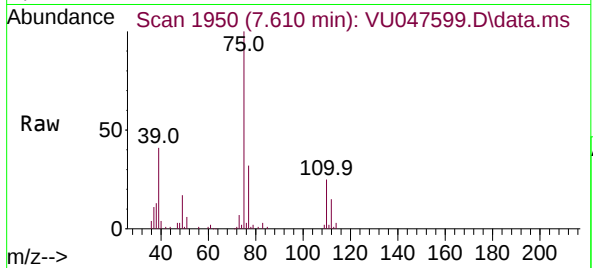
VSTD005105

Tgt Ion: 75 Resp: 56940

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 47.724 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

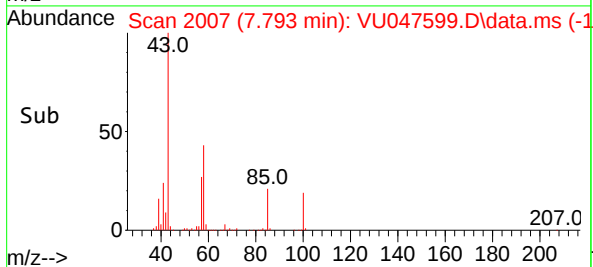
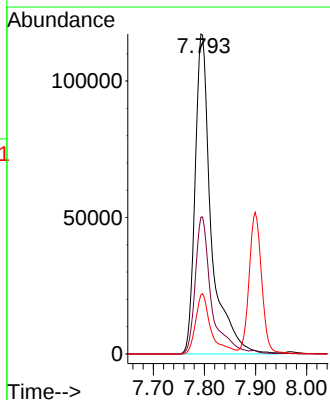
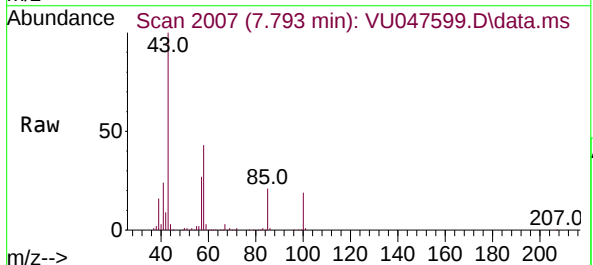
Tgt Ion: 43 Resp: 258477

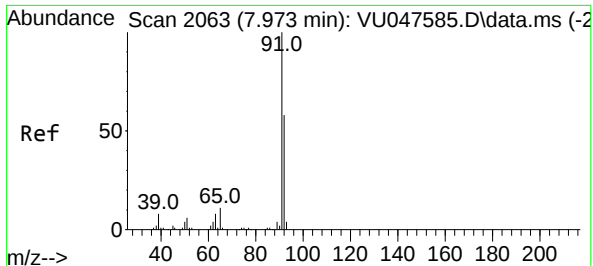
Ion Ratio Lower Upper

43 100

58 42.5 34.5 51.7

100 17.9 13.8 20.6





#42

Toluene

Concen: 5.012 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

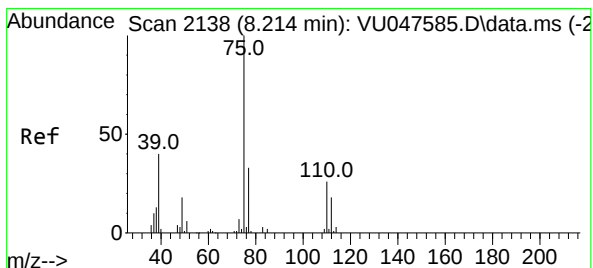
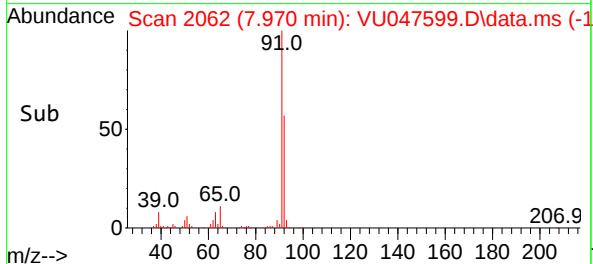
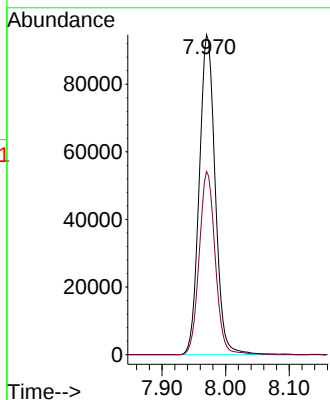
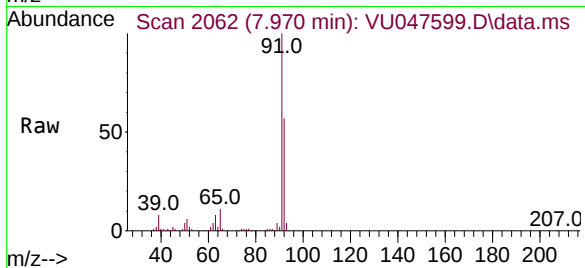
VSTD005105

Tgt Ion: 91 Resp: 164756

Ion Ratio Lower Upper

91 100

92 57.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.815 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU047599.D

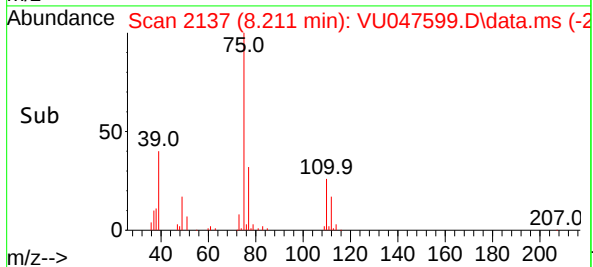
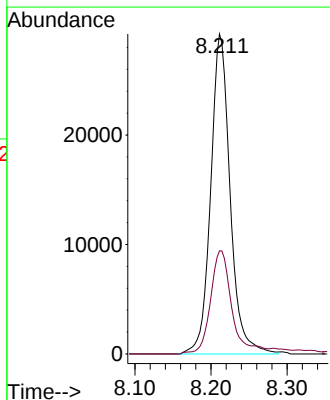
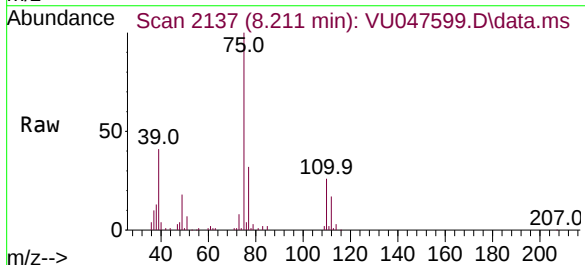
Acq: 16 Mar 2022 18:50

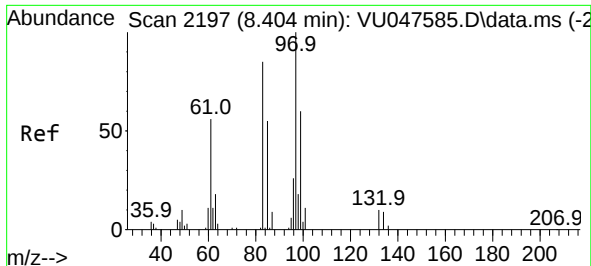
Tgt Ion: 75 Resp: 51864

Ion Ratio Lower Upper

75 100

77 32.2 23.4 43.6

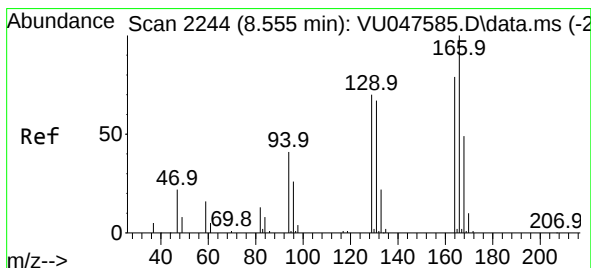
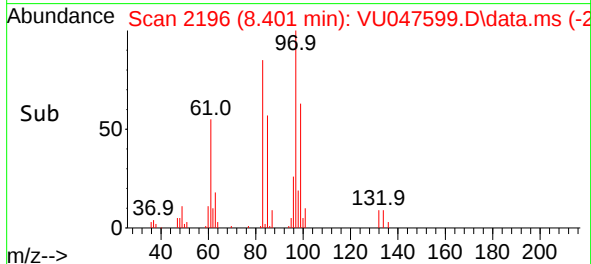
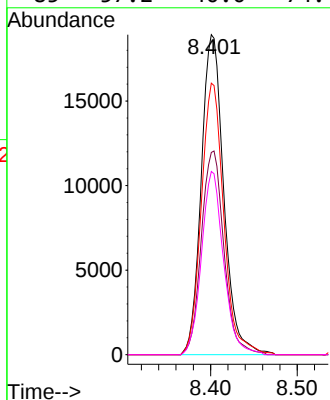
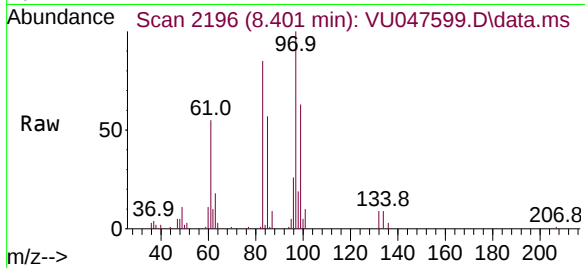




#45
1,1,2-Trichloroethane
Concen: 5.143 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

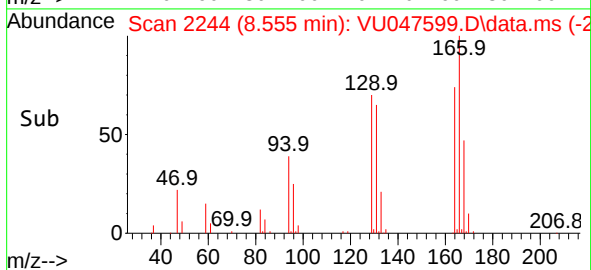
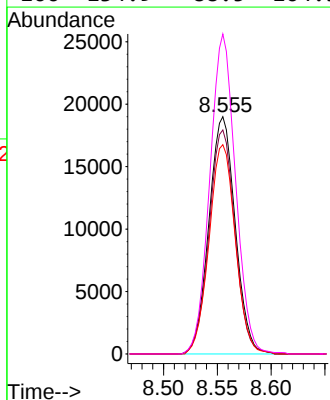
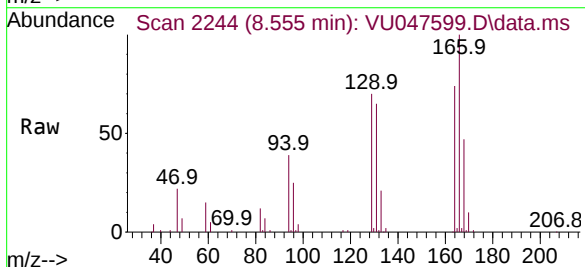
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

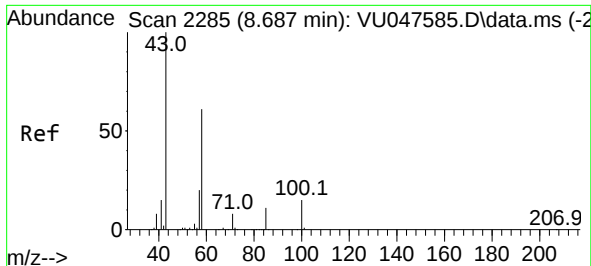
Tgt Ion: 97	Resp: 34258
Ion Ratio	Lower Upper
97 100	
99 63.2	45.3 84.1
83 84.8	62.2 115.6
85 57.2	40.0 74.4



#47
Tetrachloroethene
Concen: 4.709 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt	Ion:164	Resp:	32271
Ion	Ratio	Lower	Upper
164	100		
129	94.4	63.5	117.9
131	88.2	60.5	112.5
166	134.9	88.5	164.3

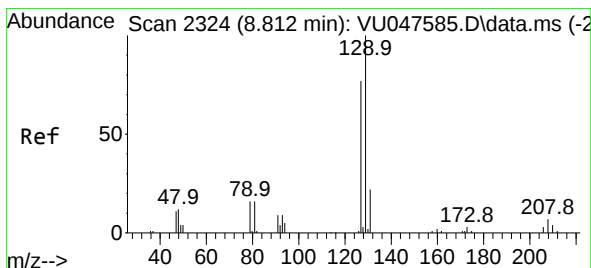
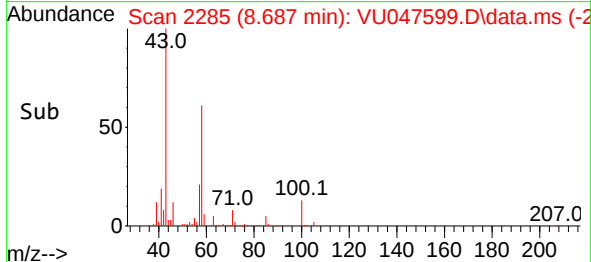
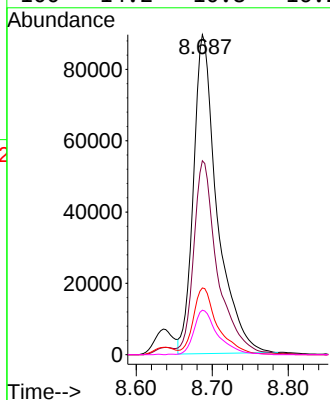
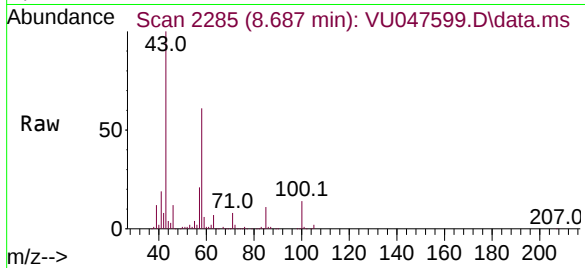




#48
2-Hexanone
Concen: 46.984 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

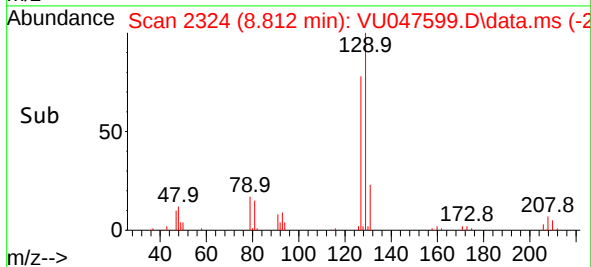
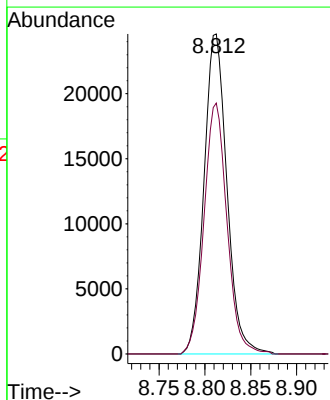
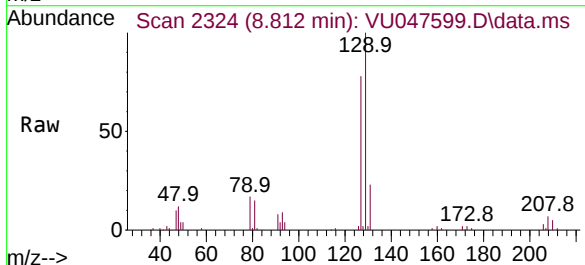
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

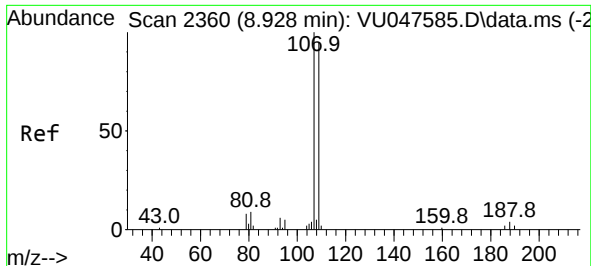
Tgt Ion: 43 Resp: 193668
Ion Ratio Lower Upper
43 100
58 61.6 47.5 71.3
57 21.1 16.0 24.0
100 14.2 10.8 16.2



#49
Dibromochloromethane
Concen: 5.210 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 129 Resp: 42754
Ion Ratio Lower Upper
129 100
127 78.4 53.6 99.6





#50

1,2-Dibromoethane

Concen: 5.058 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

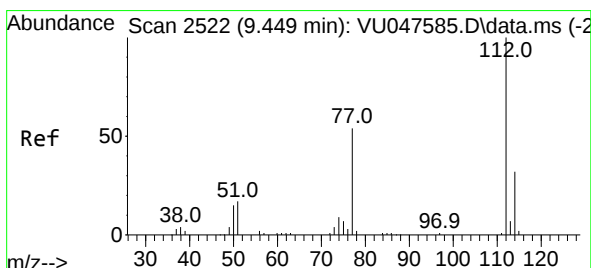
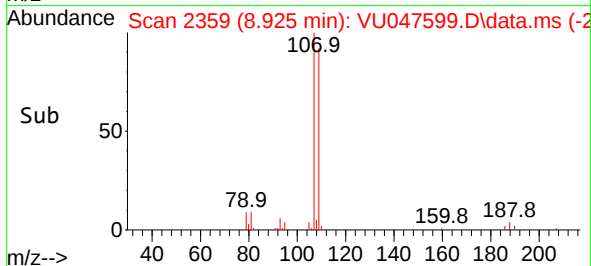
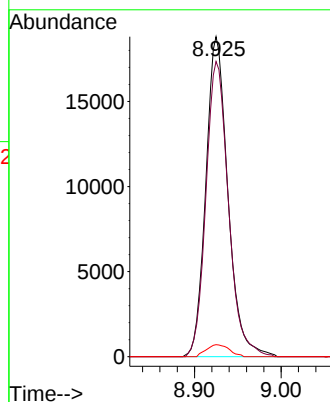
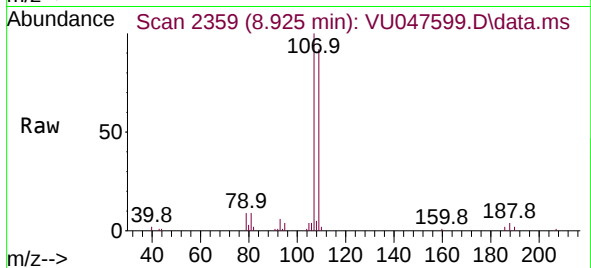
Tgt Ion:107 Resp: 33318

Ion Ratio Lower Upper

107 100

109 92.3 65.3 121.3

188 3.8 3.2 4.8



#51

Chlorobenzene

Concen: 4.962 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

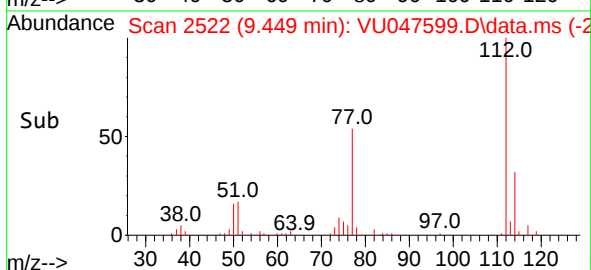
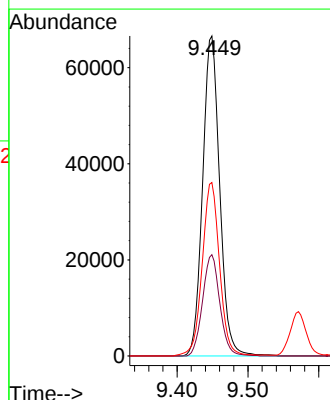
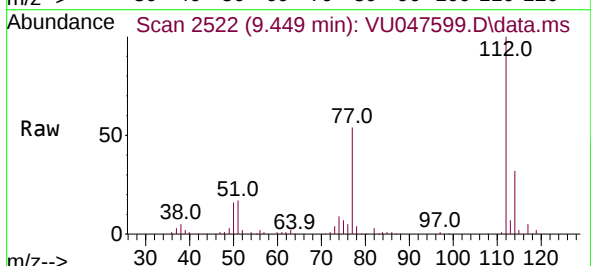
Tgt Ion:112 Resp: 111405

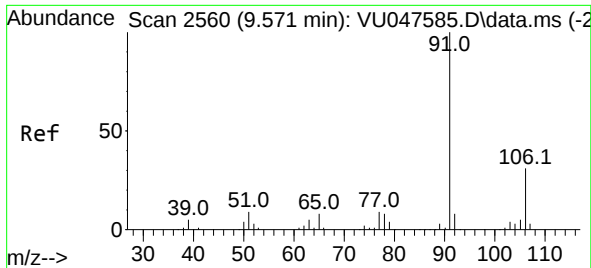
Ion Ratio Lower Upper

112 100

114 31.7 22.0 40.8

77 54.2 43.7 65.5

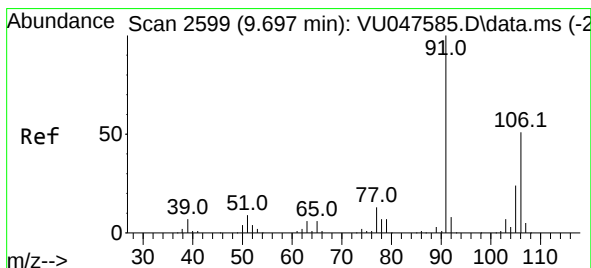
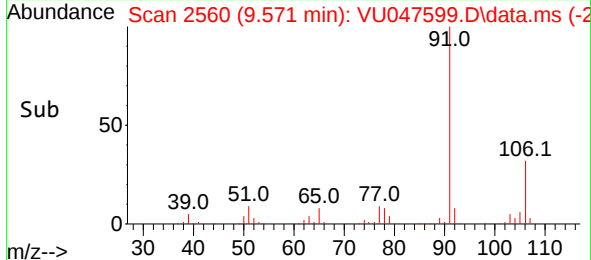
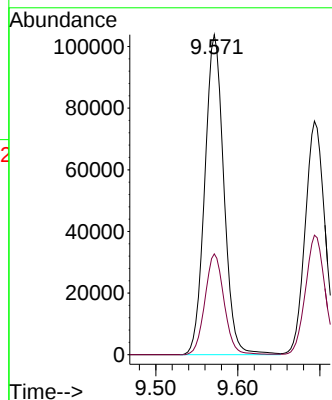
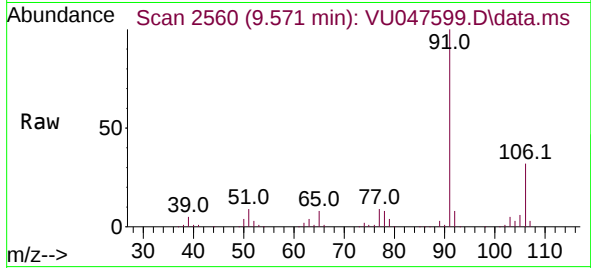




#52
Ethylbenzene
Concen: 4.826 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

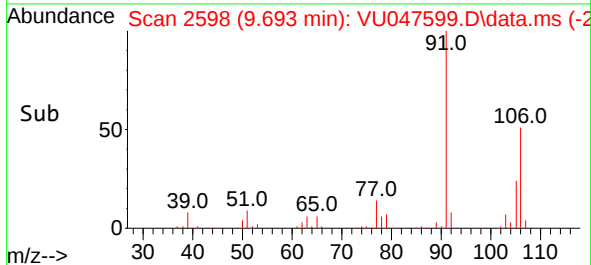
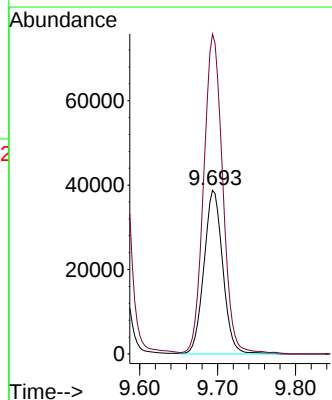
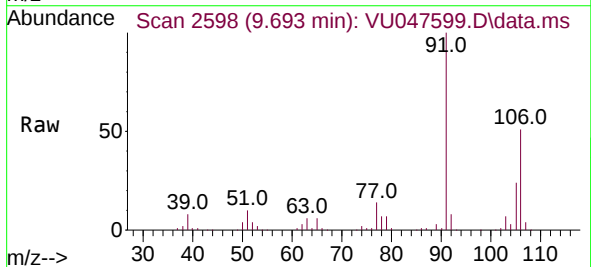
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

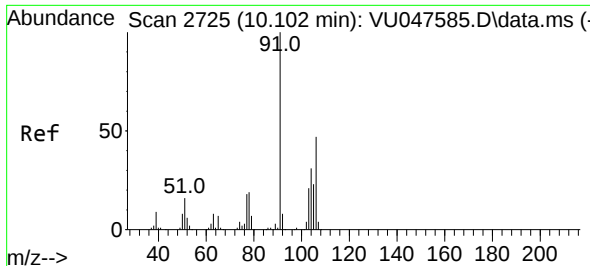
Tgt Ion: 91 Resp: 167999
Ion Ratio Lower Upper
91 100
106 31.5 22.2 41.2



#53
m,p-Xylene
Concen: 4.835 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 106 Resp: 65073
Ion Ratio Lower Upper
106 100
91 195.4 136.6 253.8

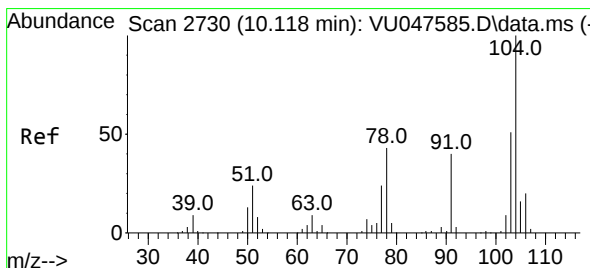
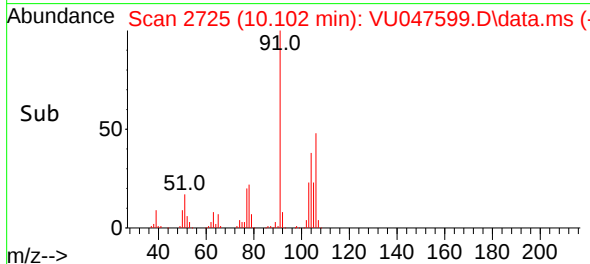
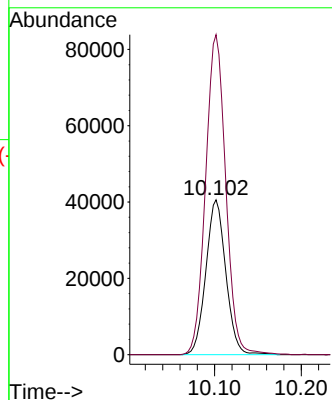
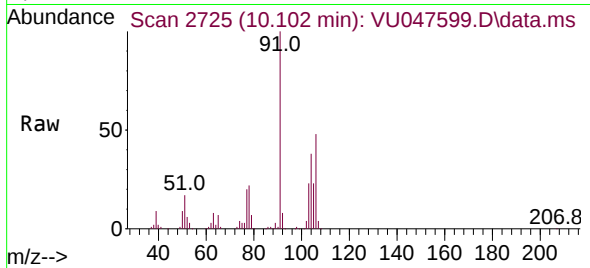




#54
o-Xylene
Concen: 4.891 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

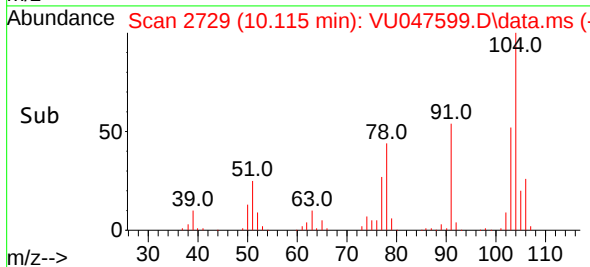
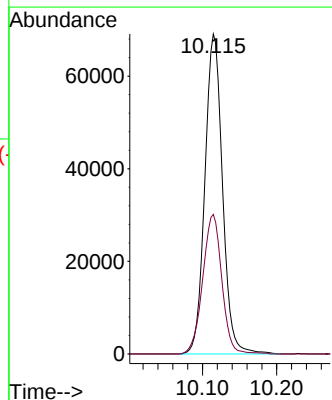
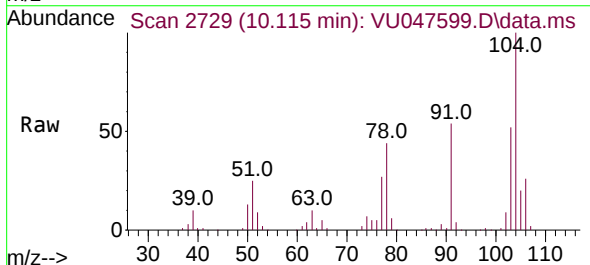
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

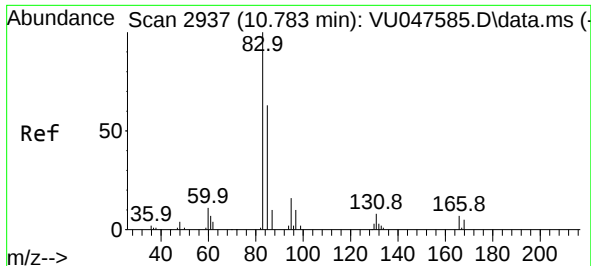
Tgt Ion:106 Resp: 65033
Ion Ratio Lower Upper
106 100
91 206.6 148.5 275.9



#55
Styrene
Concen: 4.986 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion:104 Resp: 113869
Ion Ratio Lower Upper
104 100
78 43.6 31.0 57.6

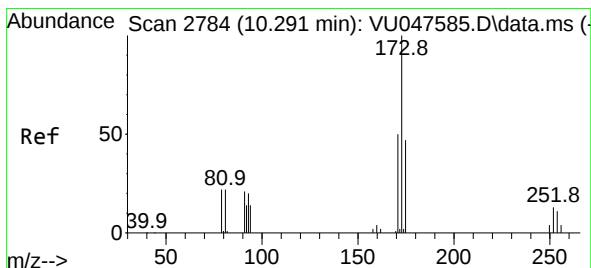
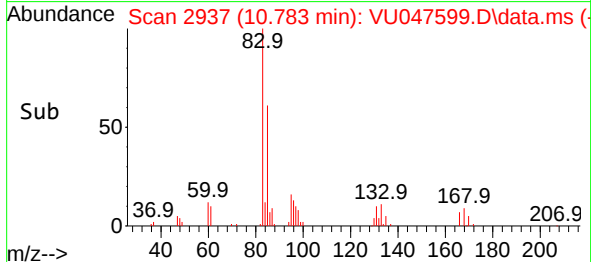
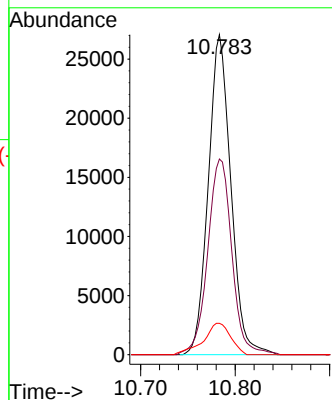
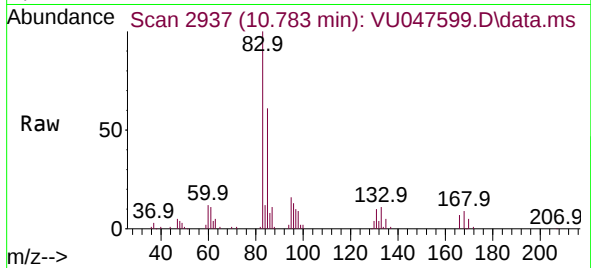




#57
1,1,2,2-Tetrachloroethane
Concen: 5.029 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

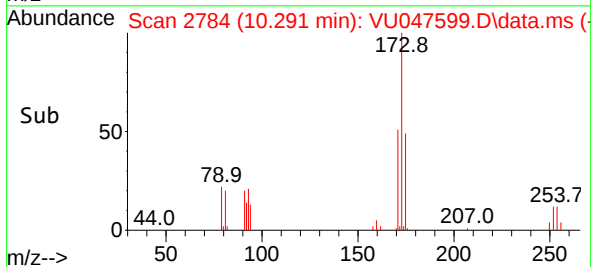
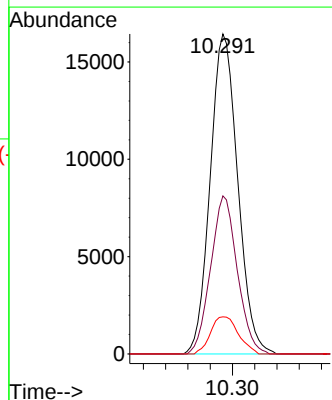
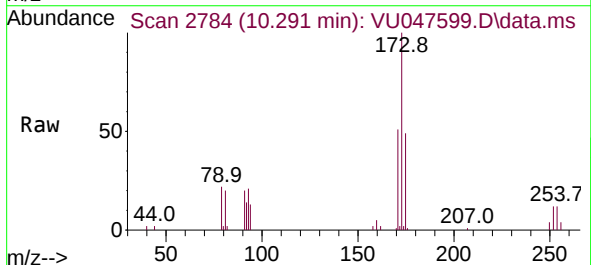
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

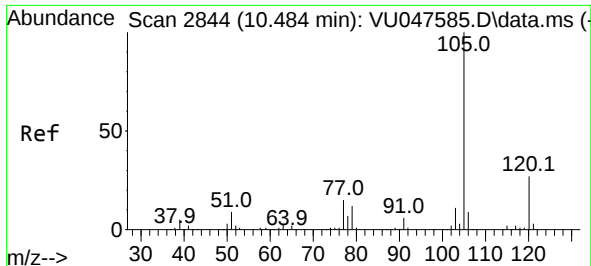
Tgt Ion: 83 Resp: 44914
Ion Ratio Lower Upper
83 100
85 61.2 46.7 86.7
131 9.8 8.0 12.0



#59
Bromoform
Concen: 5.464 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 173 Resp: 28205
Ion Ratio Lower Upper
173 100
175 47.8 39.7 59.5
254 11.7 9.0 13.6

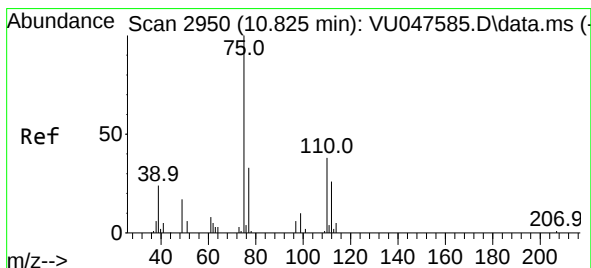
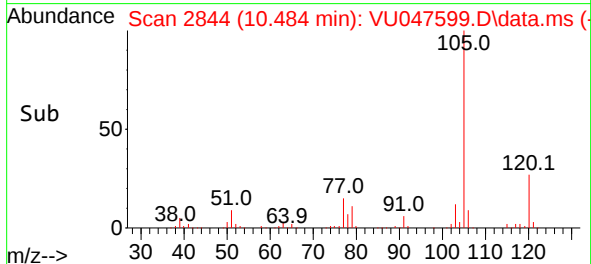
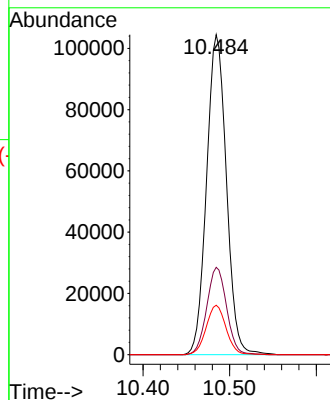
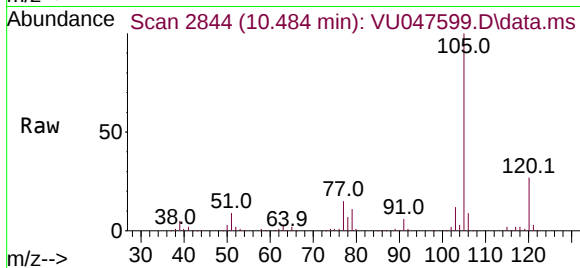




#60
Isopropylbenzene
Concen: 5.023 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

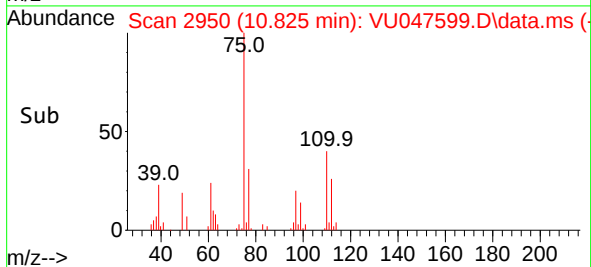
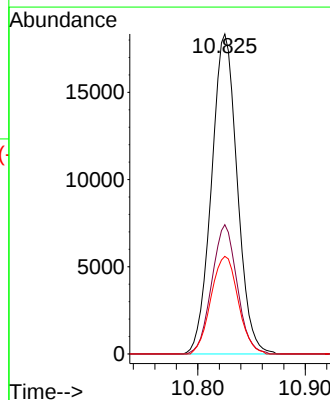
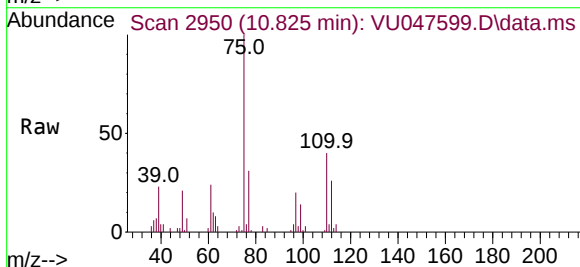
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

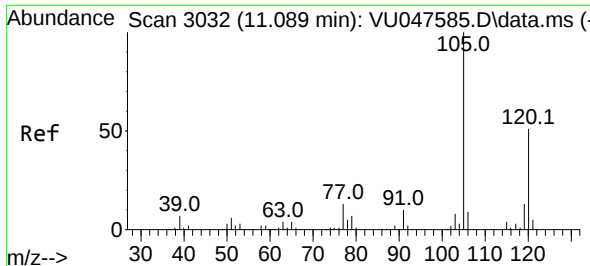
Tgt Ion:105 Resp: 166047
Ion Ratio Lower Upper
105 100
120 27.3 22.2 33.4
77 15.6 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.968 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion: 75 Resp: 30493
Ion Ratio Lower Upper
75 100
110 39.8 30.2 45.4
77 32.3 26.6 39.8





#62

1,3,5-Trimethylbenzene

Concen: 4.779 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

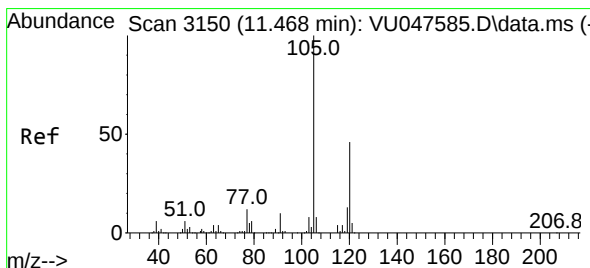
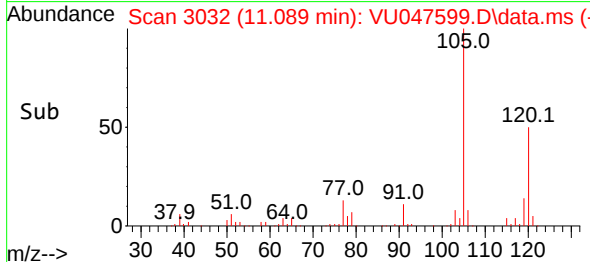
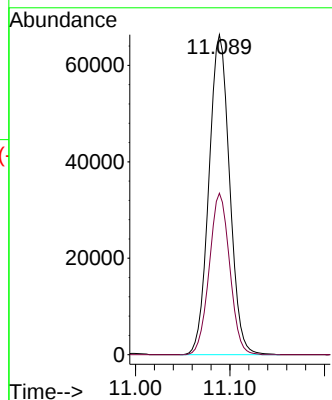
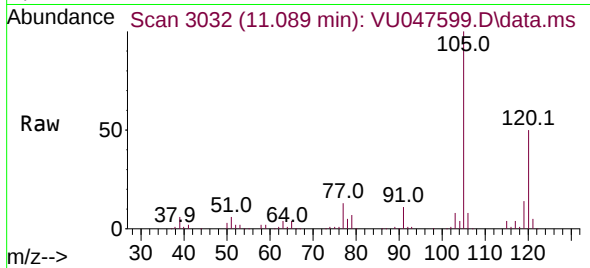
VSTD005105

Tgt Ion:105 Resp: 100870

Ion Ratio Lower Upper

105 100

120 49.7 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.821 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047599.D

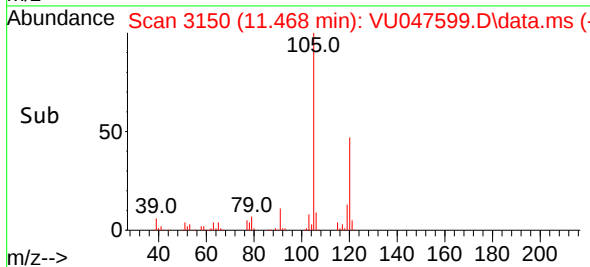
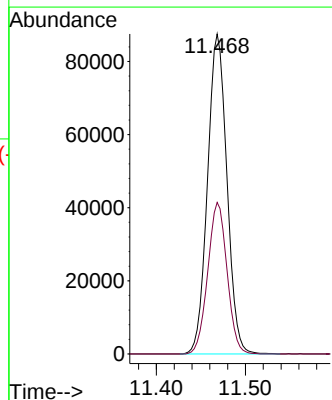
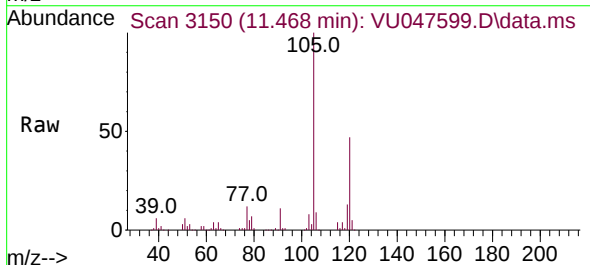
Acq: 16 Mar 2022 18:50

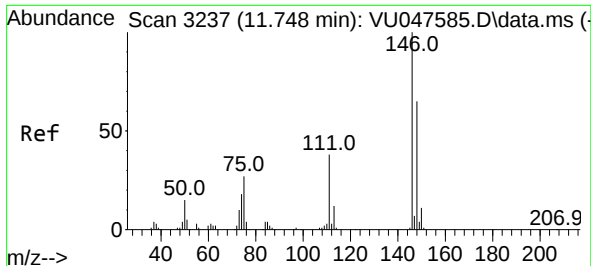
Tgt Ion:105 Resp: 132086

Ion Ratio Lower Upper

105 100

120 47.1 38.2 57.4

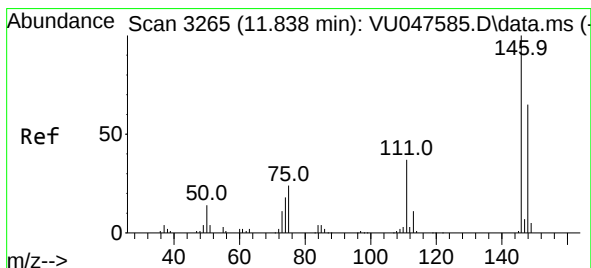
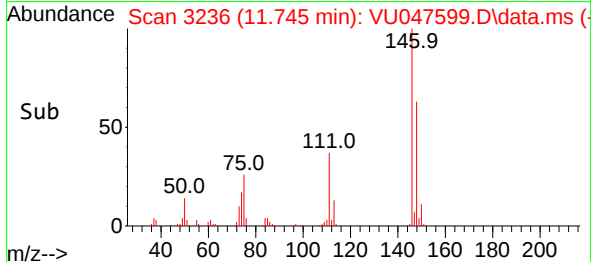
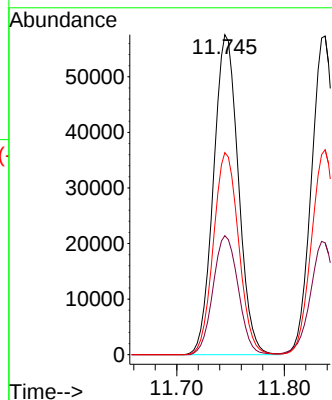
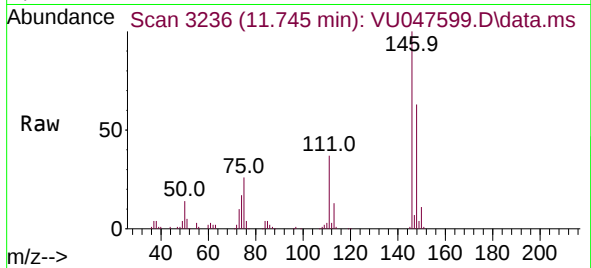




#64
1,3-Dichlorobenzene
Concen: 5.019 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

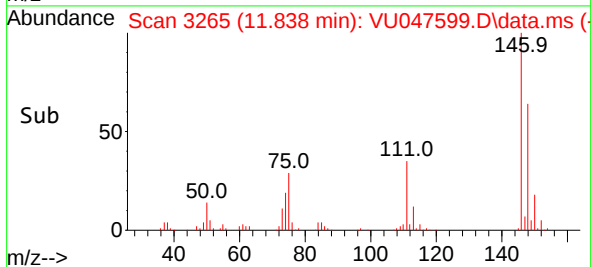
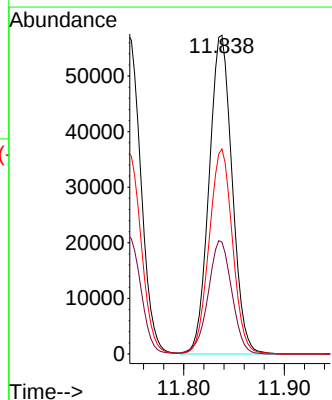
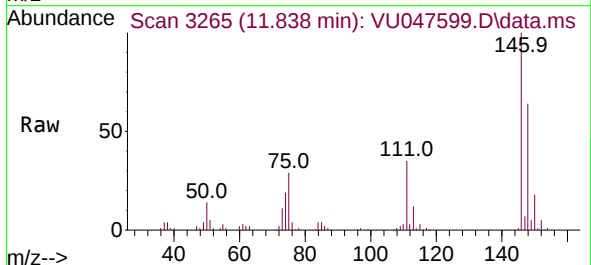
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

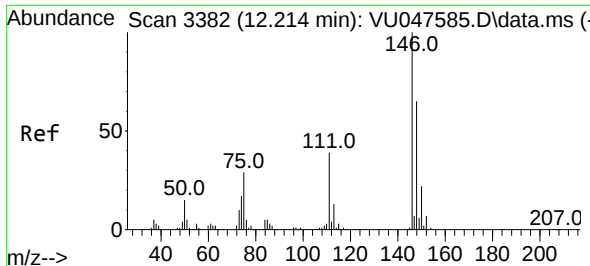
Tgt Ion:146 Resp: 92526
Ion Ratio Lower Upper
146 100
111 37.2 27.7 51.5
148 63.2 46.5 86.5



#65
1,4-Dichlorobenzene
Concen: 4.855 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion:146 Resp: 91435
Ion Ratio Lower Upper
146 100
111 35.1 26.2 48.8
148 64.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.039 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

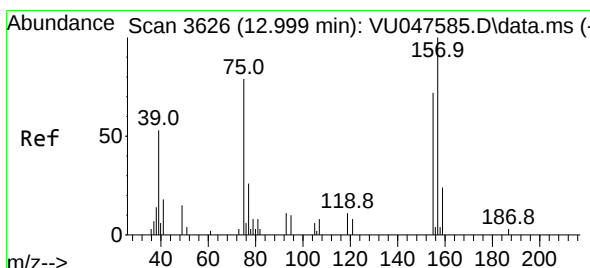
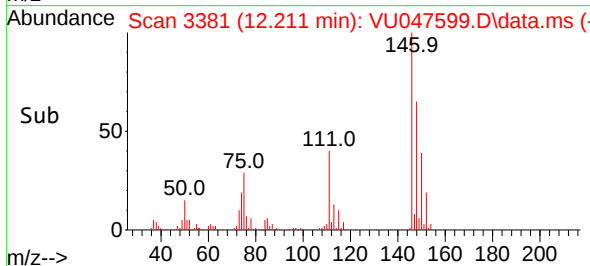
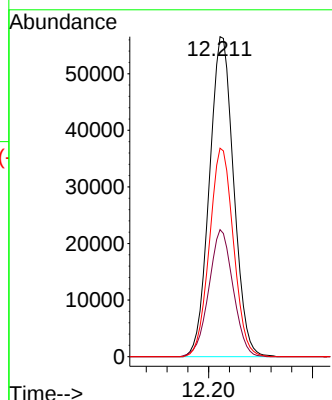
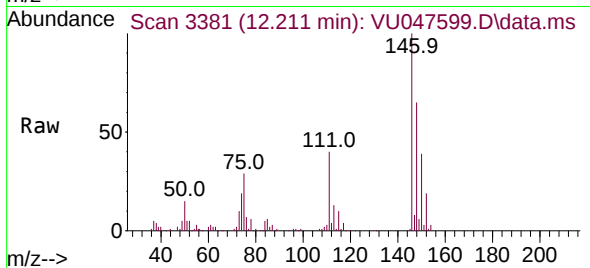
Tgt Ion:146 Resp: 91857

Ion Ratio Lower Upper

146 100

111 39.7 31.4 47.0

148 65.1 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 4.833 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU047599.D

Acq: 16 Mar 2022 18:50

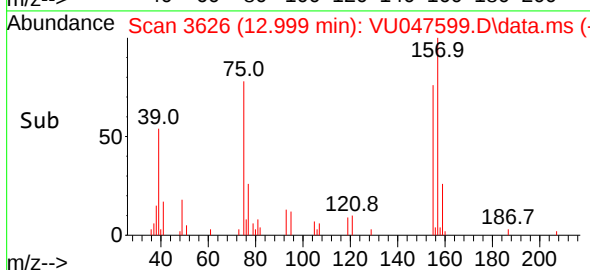
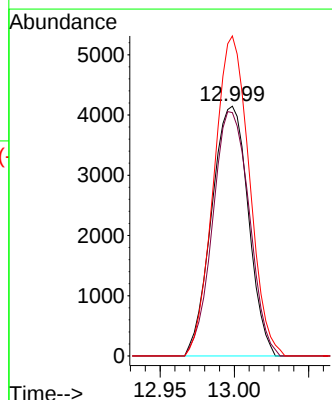
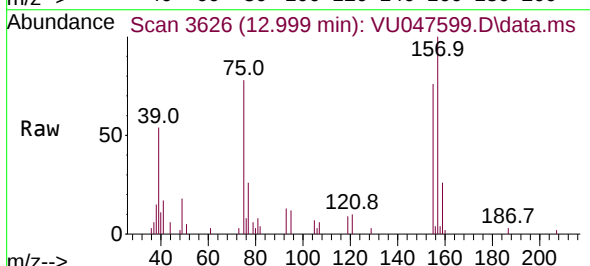
Tgt Ion: 75 Resp: 7116

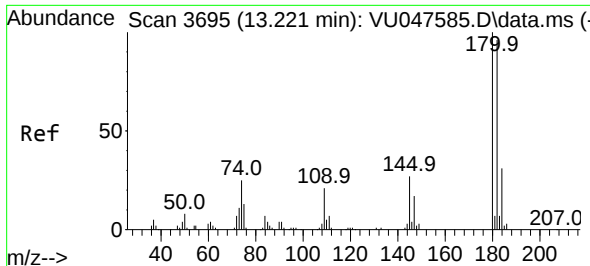
Ion Ratio Lower Upper

75 100

155 97.4 70.8 106.2

157 128.1 99.4 149.2

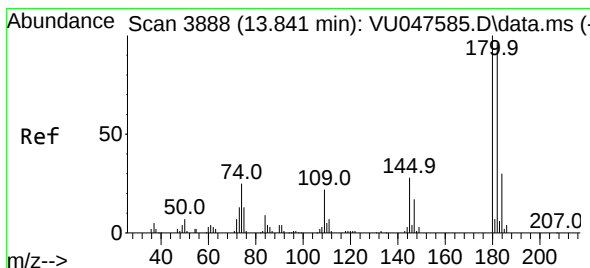
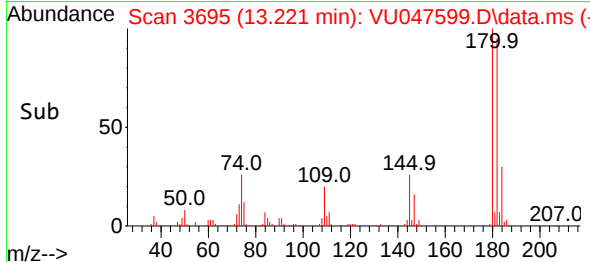
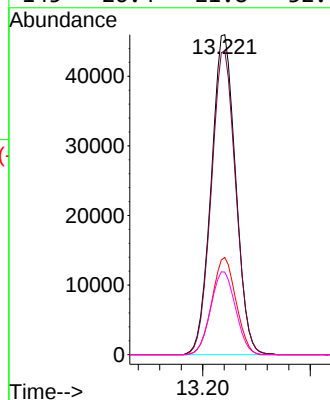
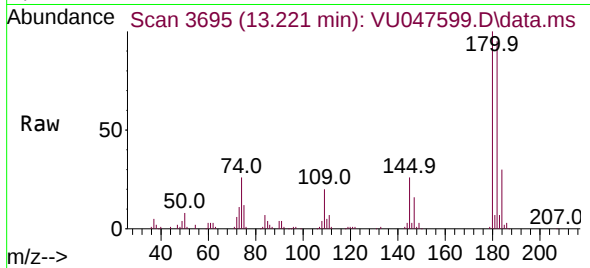




#69
 1,3,5-Trichlorobenzene
 Concen: 4.628 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU047599.D
 Acq: 16 Mar 2022 18:50

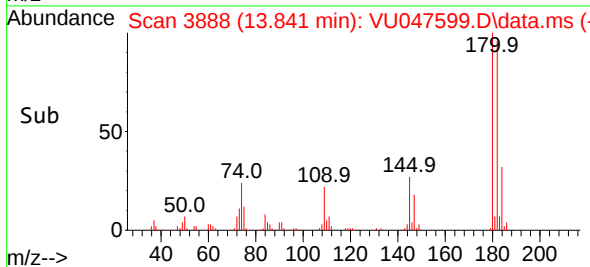
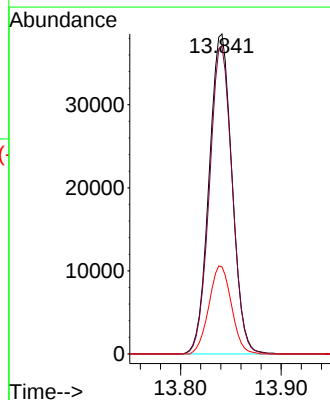
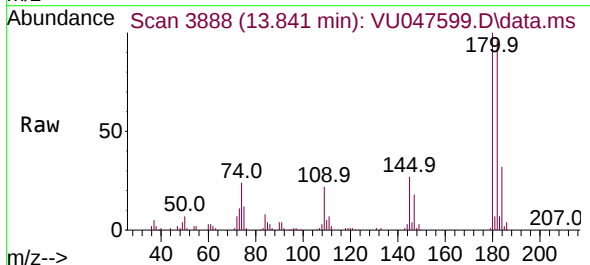
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

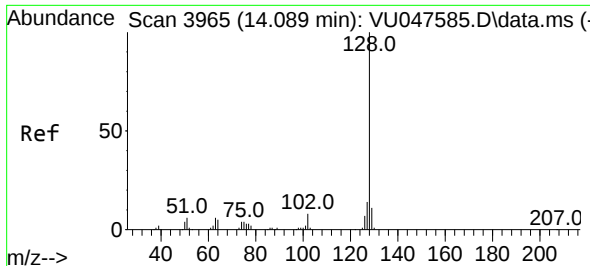
Tgt Ion:180 Resp: 72121
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.3 115.9
 184 30.2 24.3 36.5
 145 26.4 21.8 32.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.446 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047599.D
 Acq: 16 Mar 2022 18:50

Tgt Ion:180 Resp: 60958
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 27.1 22.5 33.7

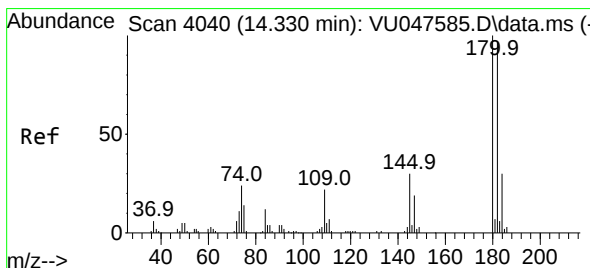
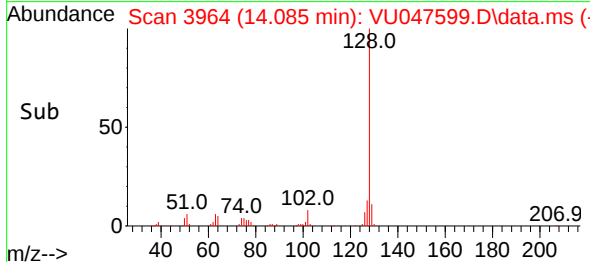
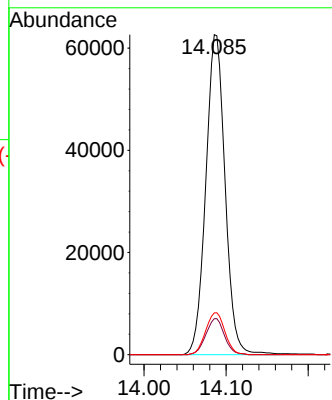
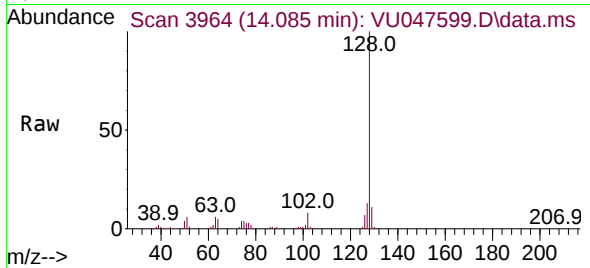




#71
Naphthalene
Concen: 4.018 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

Tgt Ion:128 Resp: 102247
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.519 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU047599.D
Acq: 16 Mar 2022 18:50

Tgt Ion:180 Resp: 59452
Ion Ratio Lower Upper
180 100
182 97.3 77.8 116.8
145 28.7 23.7 35.5

