

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072722\
 Data File : VU049953.D
 Acq On : 27 Jul 2022 16:50
 Operator : SY/MD
 Sample : VSTD00546
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005046

Quant Time: Jul 28 03:12:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 28 03:10:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	104301	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	100775	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48480	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	47444	5.171	ug/L	0.00
7) Chloroethane-d5	1.909	69	34633	5.542	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	16307	4.532	ug/L	0.00
20) 2-Butanone-d5	4.629	46	107329	44.900	ug/L	0.00
24) Chloroform-d	5.063	84	77833	5.386	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	38504	4.946	ug/L	0.00
32) Benzene-d6	5.729	84	158007	5.179	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	50082	4.897	ug/L	0.00
41) Toluene-d8	7.899	98	142425	5.194	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	18609	4.239	ug/L	0.00
46) 2-Hexanone-d5	8.632	63	69826	39.634	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	42911	5.137	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	45742	4.966	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	43175	4.875	ug/L	100
3) Chloromethane	1.520	50	48696	5.027	ug/L	100
5) Vinyl chloride	1.600	62	48130	5.436	ug/L	100
6) Bromomethane	1.854	94	25588	5.308	ug/L	100
8) Chloroethane	1.928	64	27617	5.385	ug/L	100
9) Trichlorofluoromethane	2.134	101	57151	5.487	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	33425	5.440	ug/L	100
12) 1,1-Dichloroethene	2.578	96	30811	5.232	ug/L	100
13) Acetone	2.636	43	61144	50.394	ug/L	100
14) Carbon disulfide	2.790	76	86939	4.618	ug/L	100
15) Methyl Acetate	2.954	43	15695	4.987	ug/L	100
16) Methylene chloride	3.044	84	43375	5.437	ug/L	100
17) Methyl tert-butyl Ether	3.366	73	84117	4.851	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	33014	5.100	ug/L	100
19) 1,1-Dichloroethane	3.870	63	68562	5.344	ug/L	100
21) 2-Butanone	4.706	43	107357	47.351	ug/L	100
22) cis-1,2-Dichloroethene	4.668	96	40524	5.491	ug/L	100
23) Bromochloromethane	4.976	128	18618	5.836	ug/L	100
25) Chloroform	5.089	83	72920	5.573	ug/L	100
27) 1,2-Dichloroethane	5.793	62	42316	5.047	ug/L	100
29) 1,1,1-Trichloroethane	5.317	97	56988	4.820	ug/L	100
30) Cyclohexane	5.388	56	48503	3.754	ug/L	100
31) Carbon tetrachloride	5.526	117	46035	4.667	ug/L	100
33) Benzene	5.774	78	156981	5.252	ug/L	100
34) Trichloroethene	6.542	95	38025	5.029	ug/L	100
35) Methylcyclohexane	6.764	83	50336	4.098	ug/L	100
37) 1,2-Dichloropropane	6.790	63	42832	5.210	ug/L	100
38) Bromodichloromethane	7.105	83	51399	5.147	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	54853	4.551	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	250790	42.742	ug/L	100
42) Toluene	7.970	91	163054	5.161	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	46440	4.440	ug/L	100

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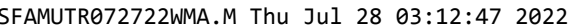
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005046

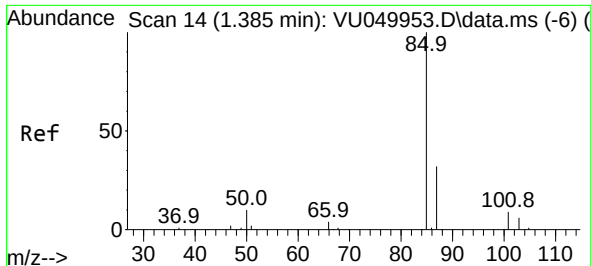
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	32098	5.485	ug/L	100
47) Tetrachloroethene	8.555	164	27209	5.191	ug/L	100
48) 2-Hexanone	8.684	43	189915	44.868	ug/L	100
49) Dibromochloromethane	8.809	129	35624	5.414	ug/L	100
50) 1,2-Dibromoethane	8.925	107	28766	5.411	ug/L	100
51) Chlorobenzene	9.446	112	100539	5.204	ug/L	100
52) Ethylbenzene	9.571	91	158154	4.684	ug/L	100
53) m,p-Xylene	9.693	106	60224	4.794	ug/L	100
54) o-Xylene	10.102	106	59917	4.804	ug/L	100
55) Styrene	10.115	104	102621	4.896	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	41451	5.381	ug/L	100
59) Bromoform	10.288	173	19874	5.445	ug/L	100
60) Isopropylbenzene	10.484	105	152279	4.754	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	28481	5.212	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	121537	4.371	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	118957	4.338	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	71396	5.085	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	70990	5.117	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	71167	5.297	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	6190	4.345	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	50648	4.898	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	39580	4.812	ug/L	100
71) Naphthalene	14.085	128	72160	4.445	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	38728	4.955	ug/L	100

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

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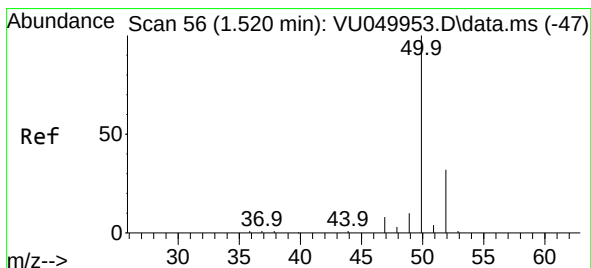
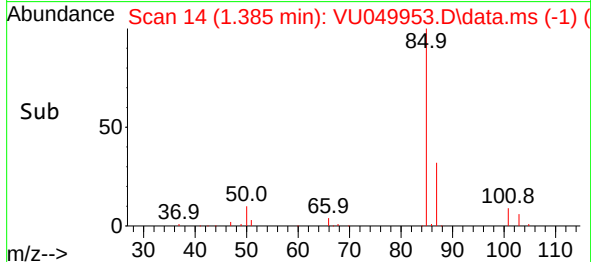
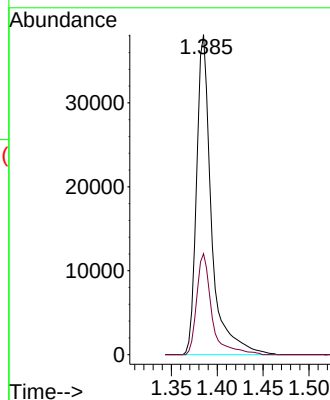
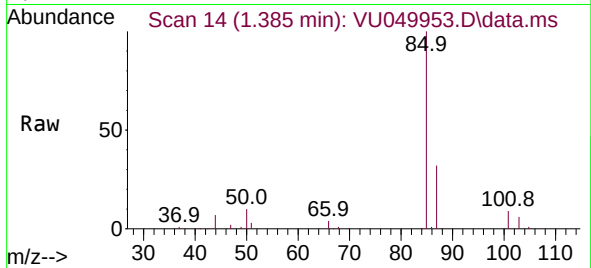




#2
 Dichlorodifluoromethane
 Concen: 4.875 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

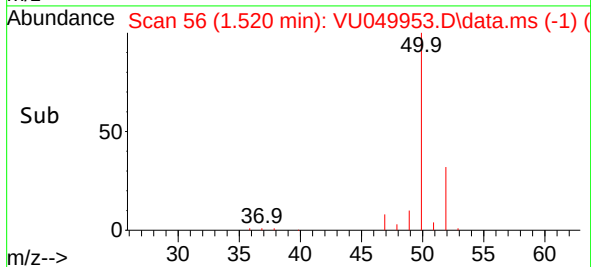
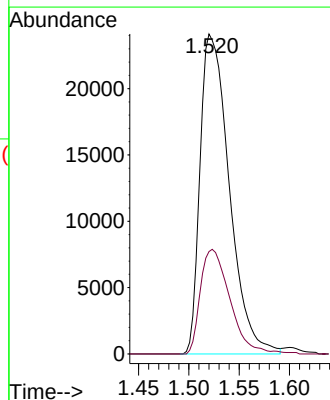
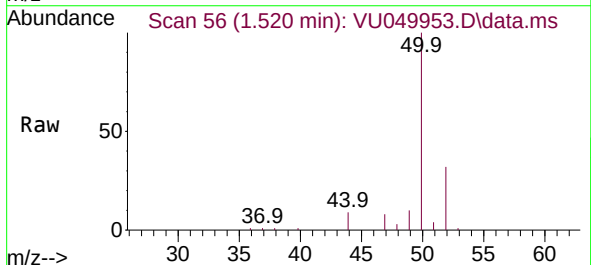
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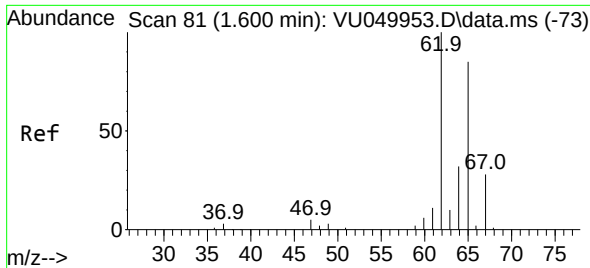
Tgt Ion: 85 Resp: 43175
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#3
 Chloromethane
 Concen: 5.027 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

Tgt Ion: 50 Resp: 48696
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.4 41.6

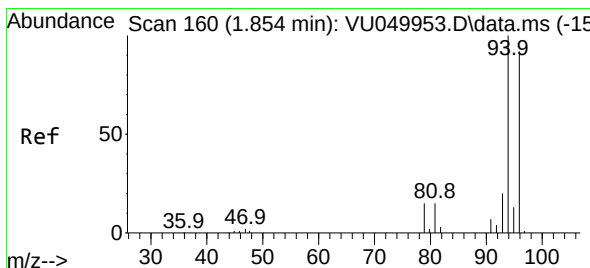
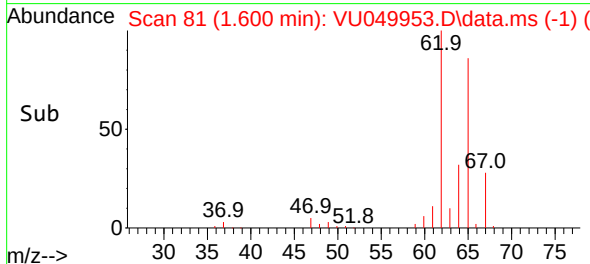
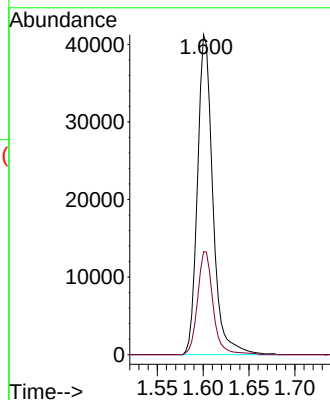
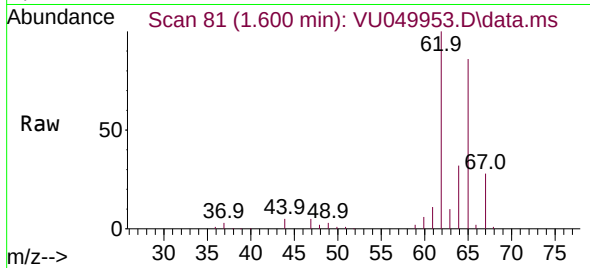




#5
 Vinyl chloride
 Concen: 5.436 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

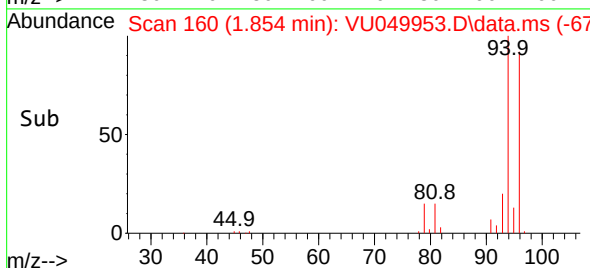
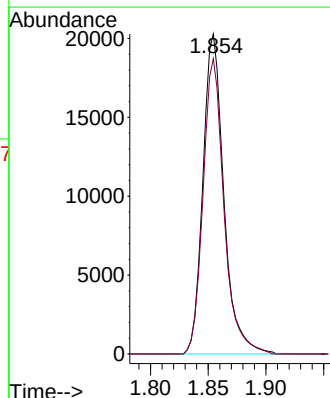
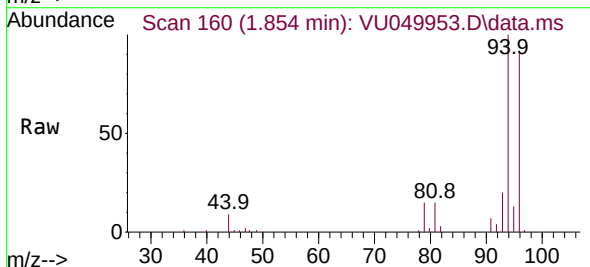
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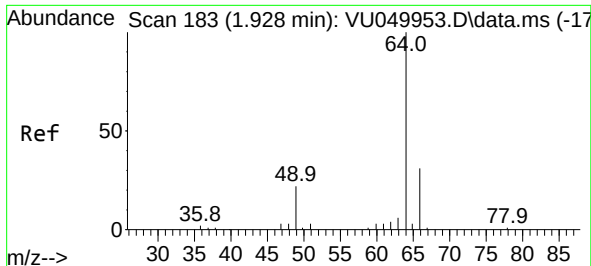
Tgt Ion: 62 Resp: 48130
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.5 41.9



#6
 Bromomethane
 Concen: 5.308 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

Tgt Ion: 94 Resp: 25588
 Ion Ratio Lower Upper
 94 100
 96 92.2 64.5 119.9

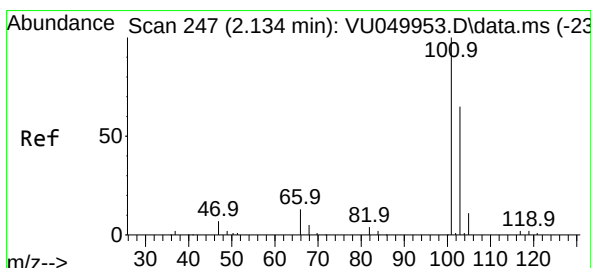
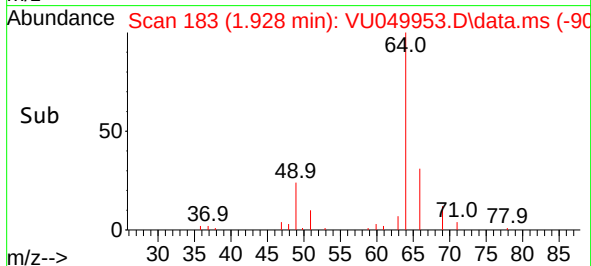
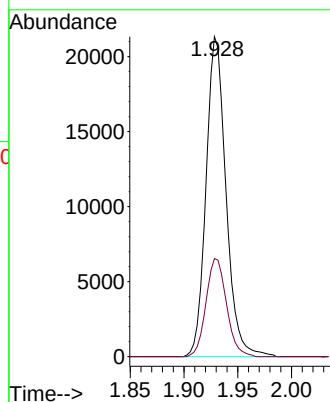
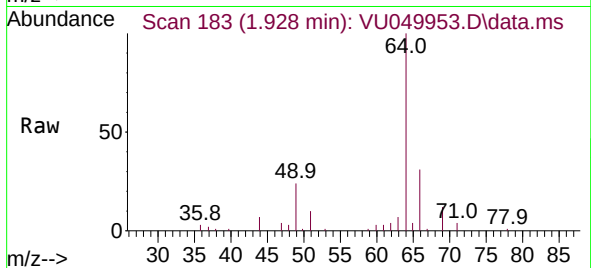




#8
Chloroethane
Concen: 5.385 ug/L
RT: 1.928 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

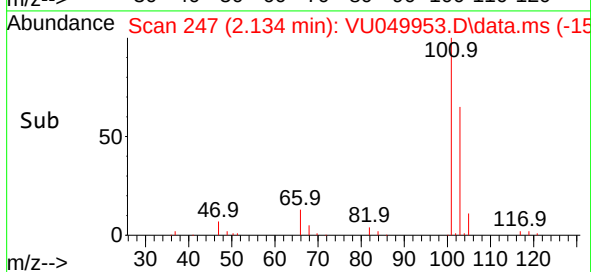
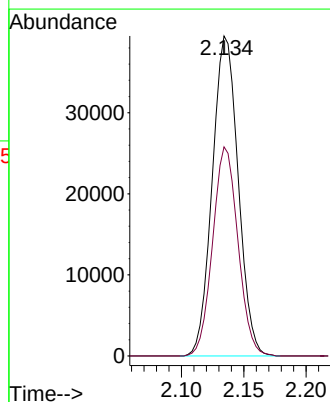
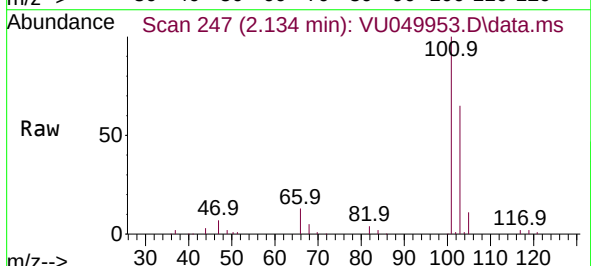
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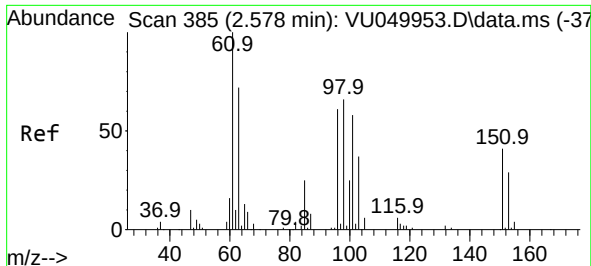
Tgt Ion: 64 Resp: 27617
Ion Ratio Lower Upper
64 100
66 30.6 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.487 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion:101 Resp: 57151
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

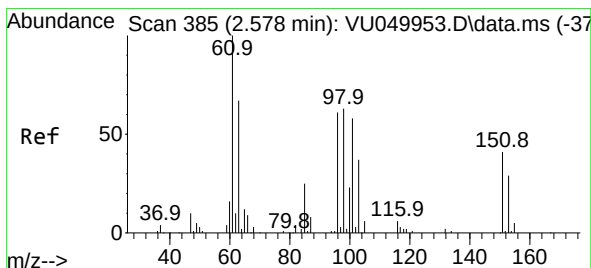
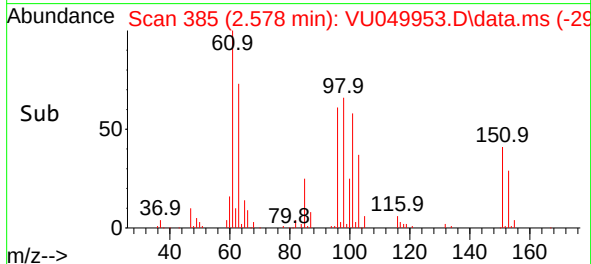
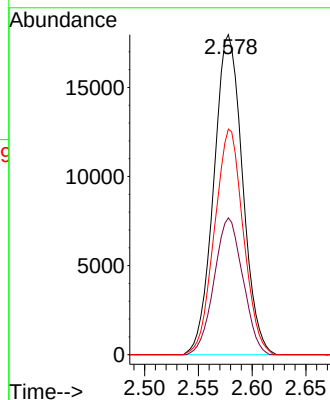
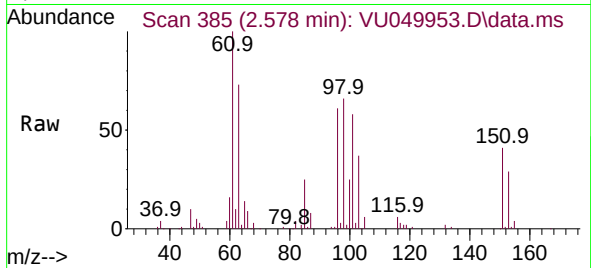




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.440 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

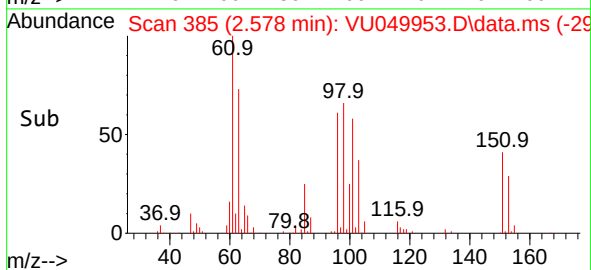
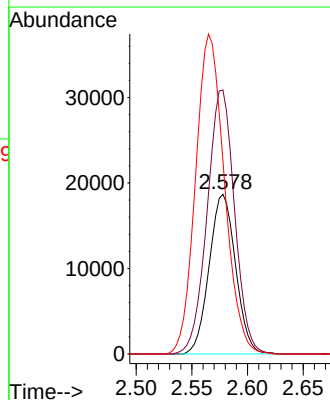
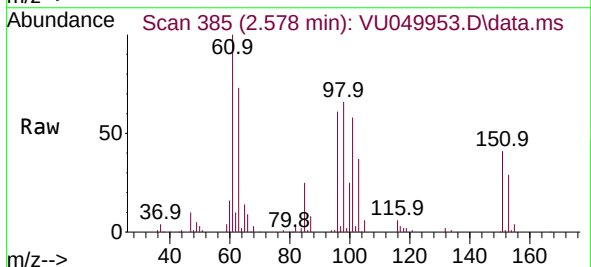
Instrument :
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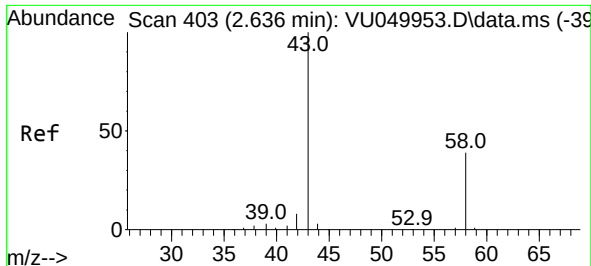
Tgt Ion:101 Resp: 33425
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.1 51.1
 151 70.8 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 5.232 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

Tgt Ion: 96 Resp: 30811
 Ion Ratio Lower Upper
 96 100
 61 165.3 115.7 214.9
 63 121.1 84.8 157.4





#13

Acetone

Concen: 50.394 ug/L

RT: 2.636 min Scan# 403

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

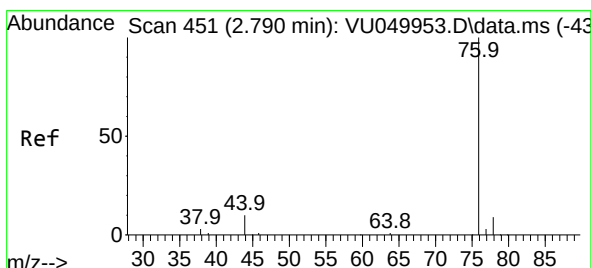
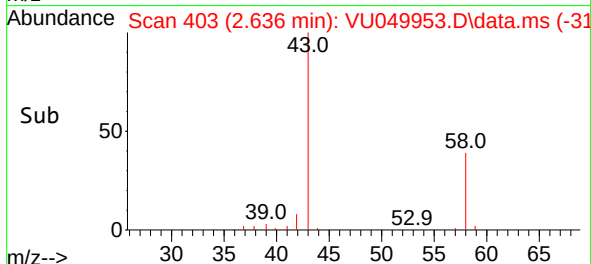
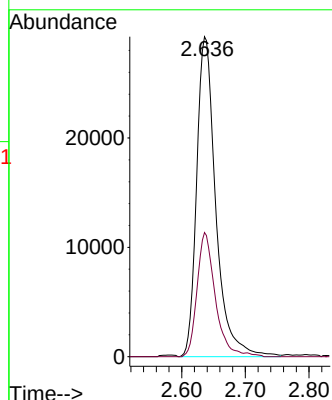
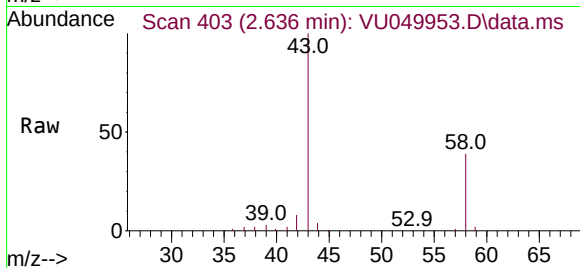
VSTD005046

Tgt Ion: 43 Resp: 61144

Ion Ratio Lower Upper

43 100

58 36.5 0.0 73.0



#14

Carbon disulfide

Concen: 4.618 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU049953.D

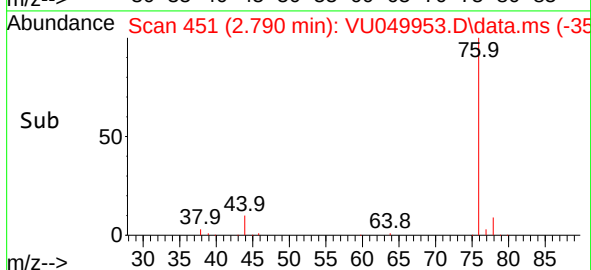
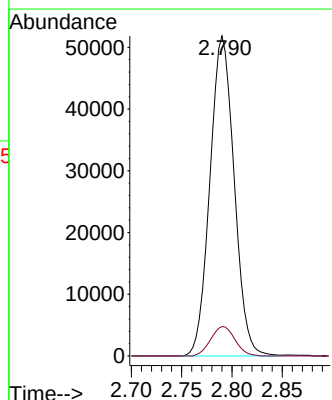
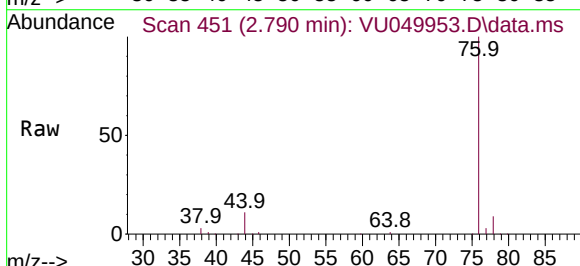
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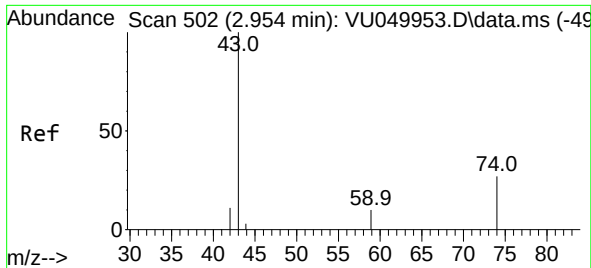
Tgt Ion: 76 Resp: 86939

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

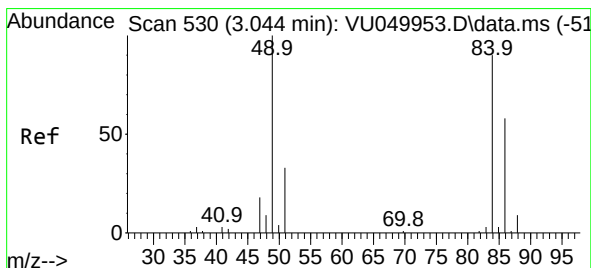
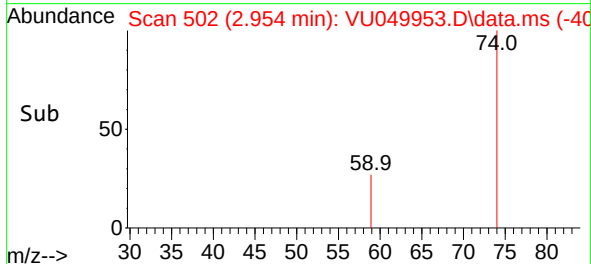
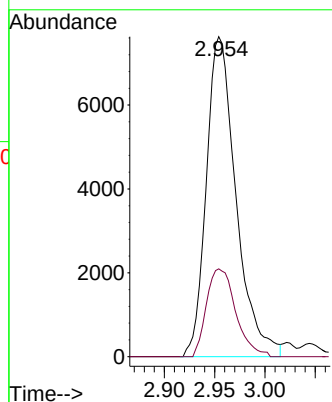
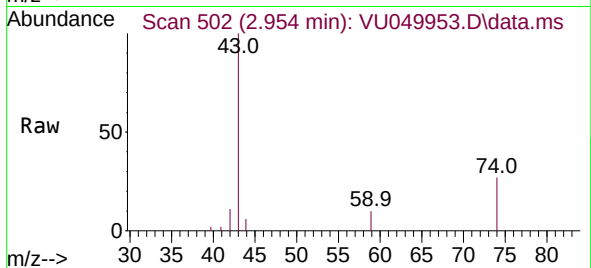




#15
Methyl Acetate
Concen: 4.987 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

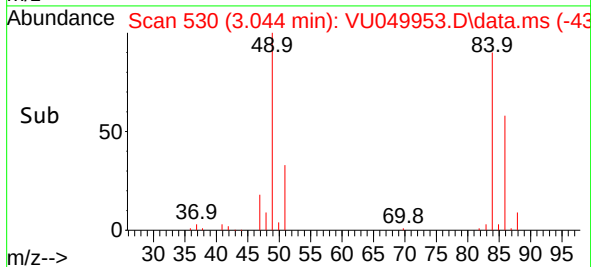
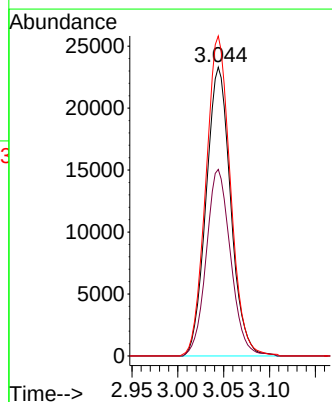
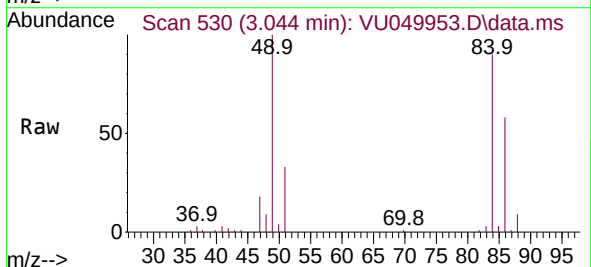
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ClientSampleId :
VSTD005046

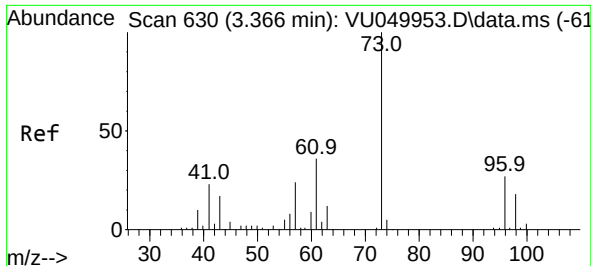
Tgt Ion: 43 Resp: 15695
Ion Ratio Lower Upper
43 100
74 27.0 21.6 32.4



#16
Methylene chloride
Concen: 5.437 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion: 84 Resp: 43375
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 110.8 77.6 144.0





#17

Methyl tert-butyl Ether

Concen: 4.851 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005046

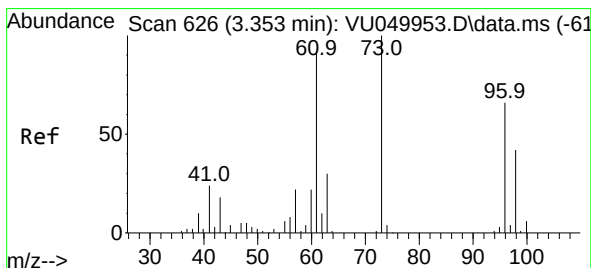
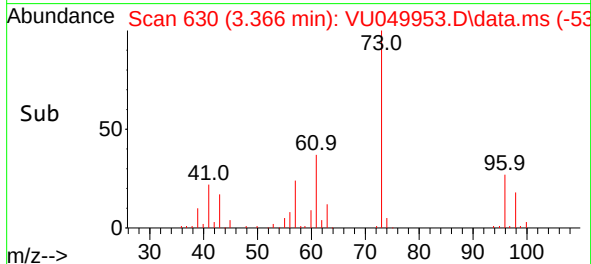
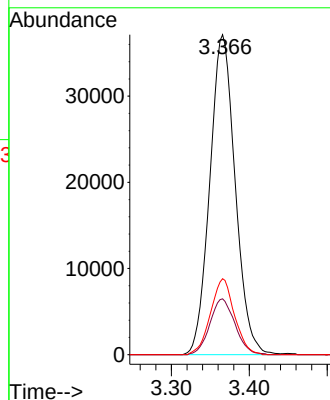
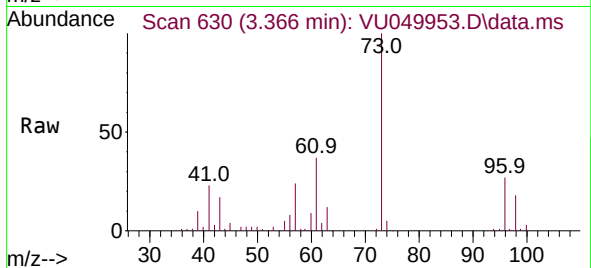
Tgt Ion: 73 Resp: 84117

Ion Ratio Lower Upper

73 100

43 17.2 13.8 20.6

57 22.4 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.100 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

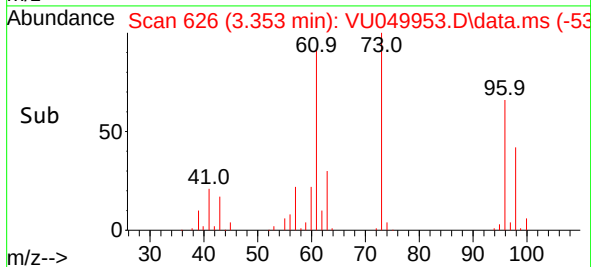
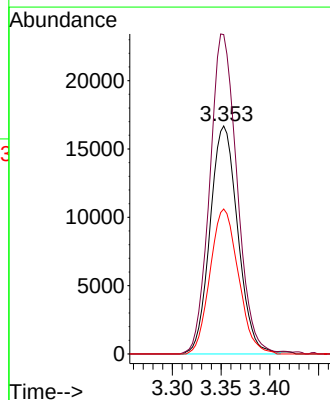
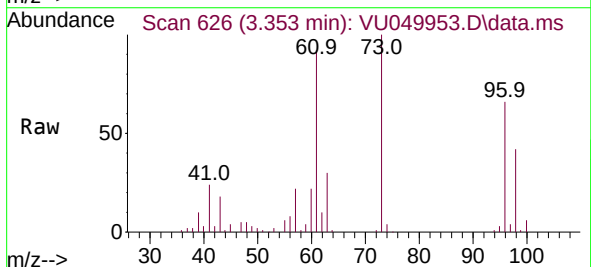
Tgt Ion: 96 Resp: 33014

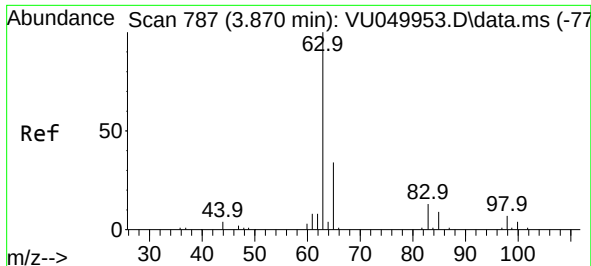
Ion Ratio Lower Upper

96 100

61 140.0 98.0 182.0

98 63.6 44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.344 ug/L

RT: 3.870 min Scan# 787

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005046

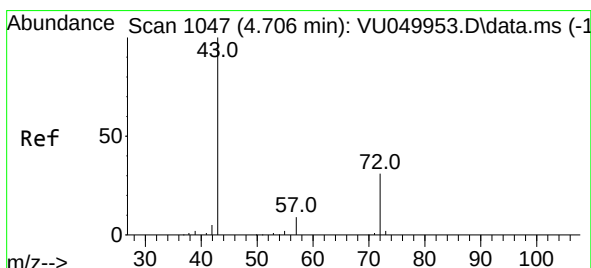
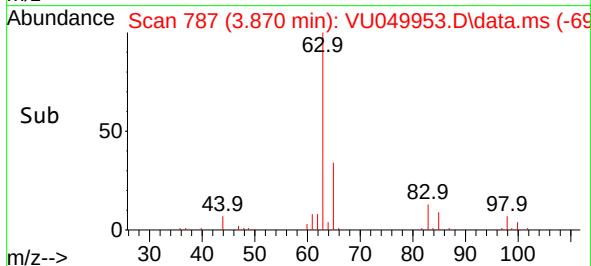
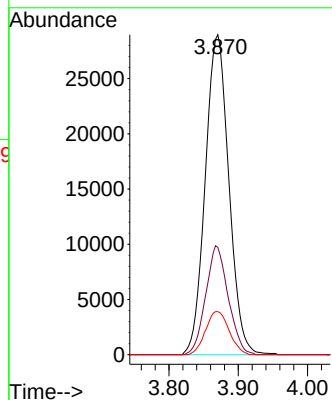
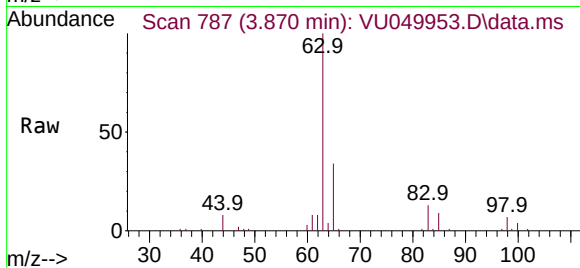
Tgt Ion: 63 Resp: 68562

Ion Ratio Lower Upper

63 100

65 33.5 23.4 43.6

83 13.4 9.4 17.4



#21

2-Butanone

Concen: 47.351 ug/L

RT: 4.706 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU049953.D

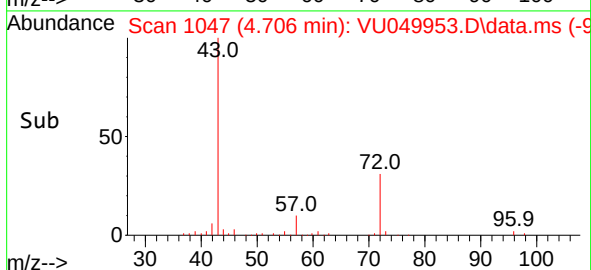
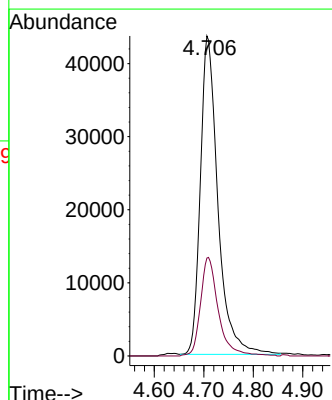
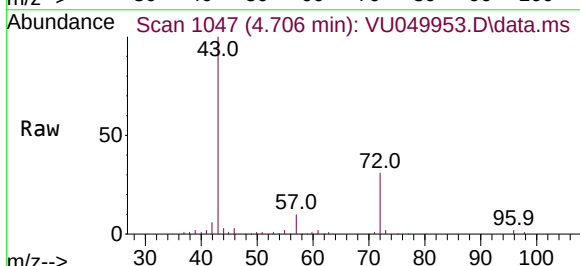
Acq: 27 Jul 2022 16:50

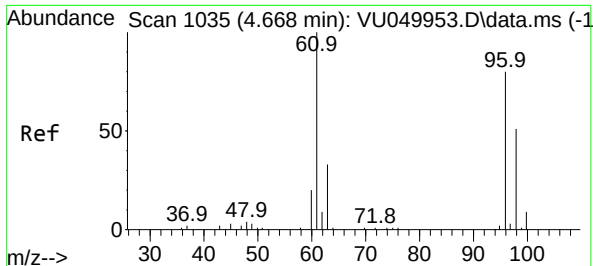
Tgt Ion: 43 Resp: 107357

Ion Ratio Lower Upper

43 100

72 31.5 15.8 47.3

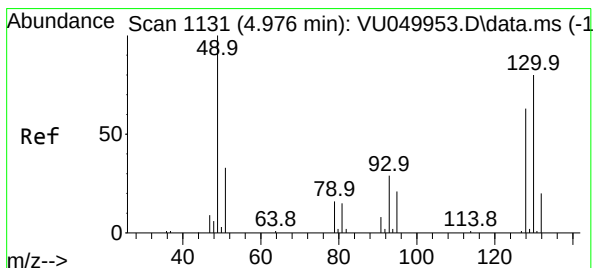
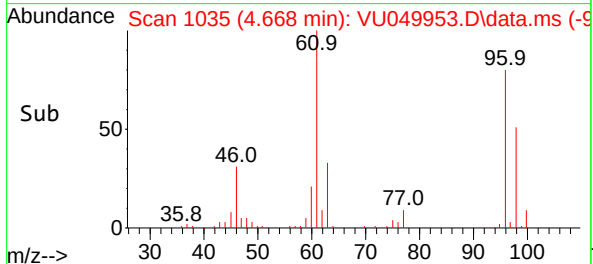
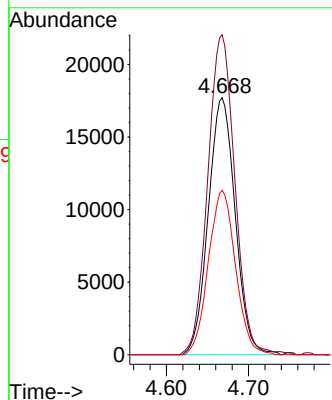
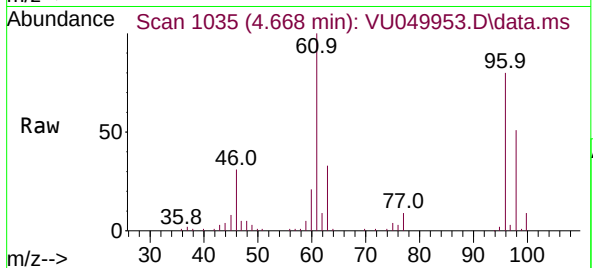




#22
cis-1,2-Dichloroethene
Concen: 5.491 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

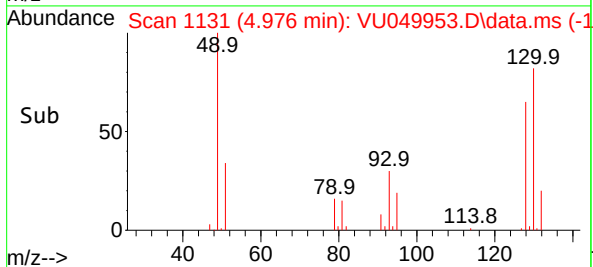
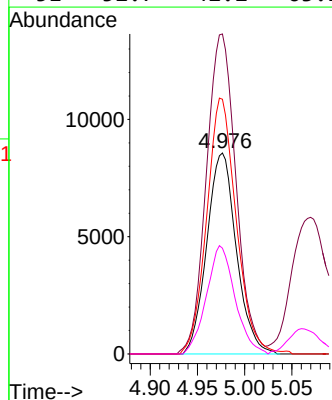
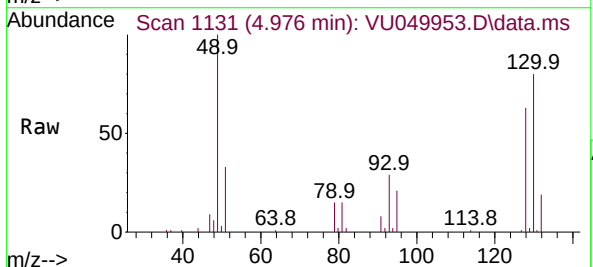
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

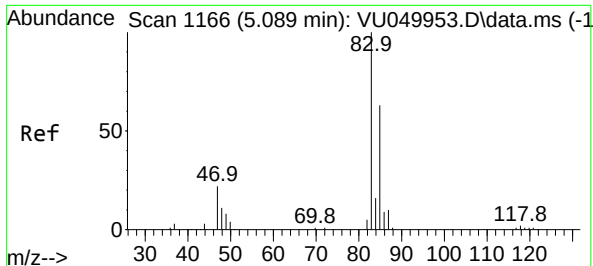
Tgt Ion: 96 Resp: 40524
Ion Ratio Lower Upper
96 100
61 124.5 87.2 161.9
98 63.9 44.7 83.1



#23
Bromochloromethane
Concen: 5.836 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion: 128 Resp: 18618
Ion Ratio Lower Upper
128 100
49 159.2 111.4 207.0
130 126.7 88.7 164.7
51 52.7 42.2 63.2





#25

Chloroform

Concen: 5.573 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

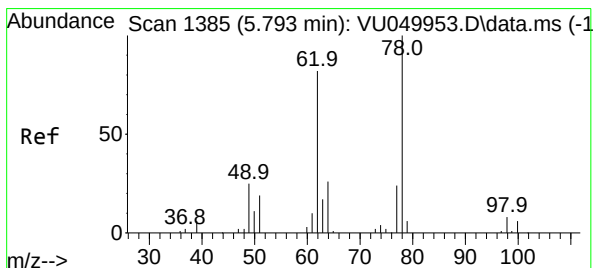
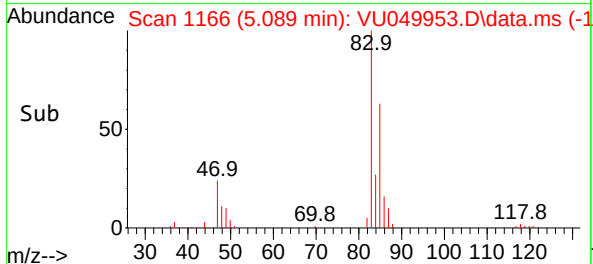
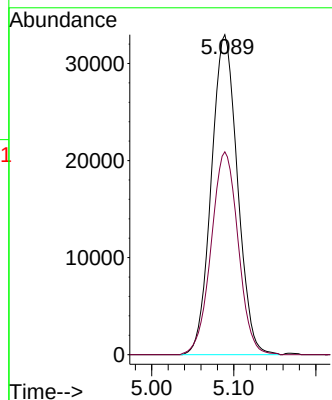
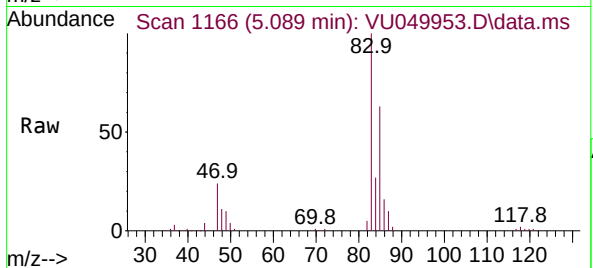
VSTD005046

Tgt Ion: 83 Resp: 72920

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4



#27

1,2-Dichloroethane

Concen: 5.047 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049953.D

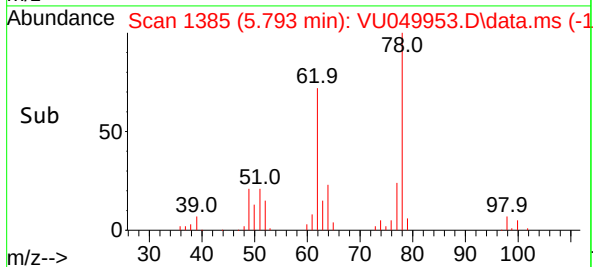
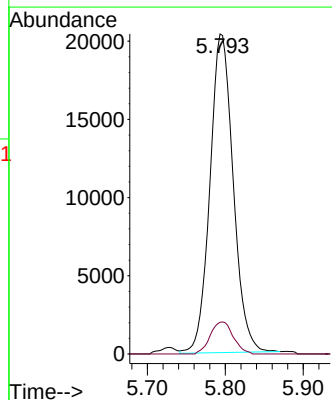
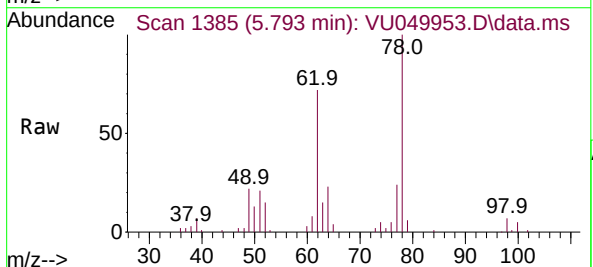
Acq: 27 Jul 2022 16:50

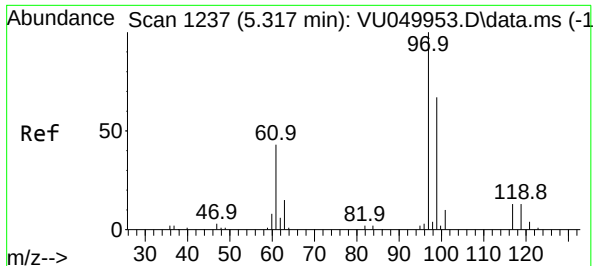
Tgt Ion: 62 Resp: 42316

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 4.820 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005046

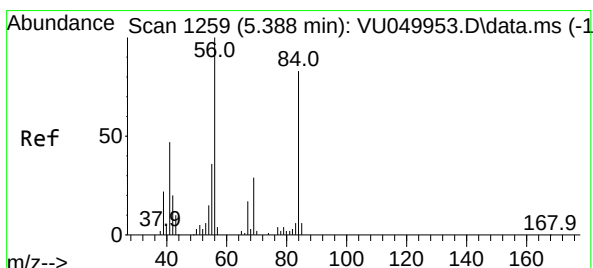
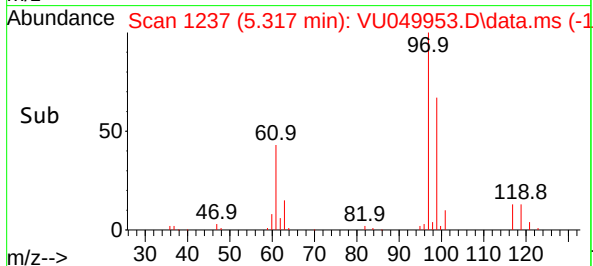
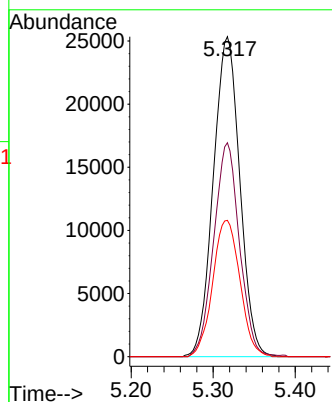
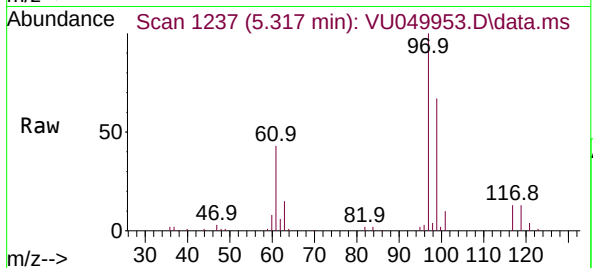
Tgt Ion: 97 Resp: 56988

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 43.8 35.0 52.6



#30

Cyclohexane

Concen: 3.754 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

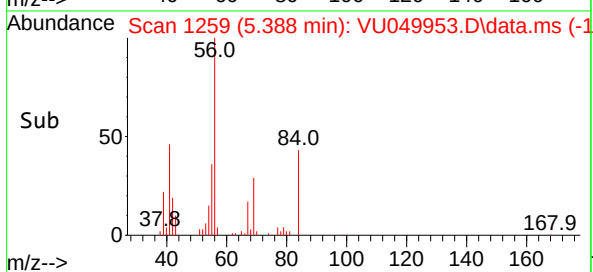
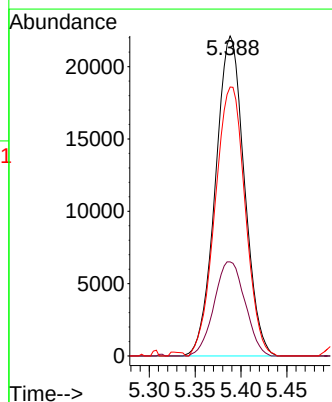
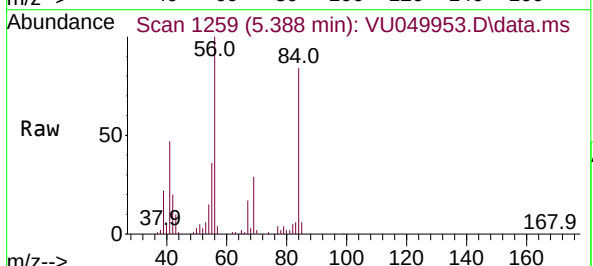
Tgt Ion: 56 Resp: 48503

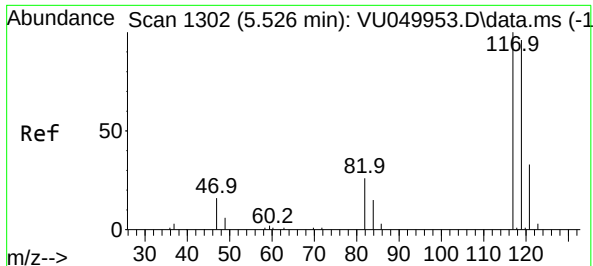
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 87.6 70.1 105.1

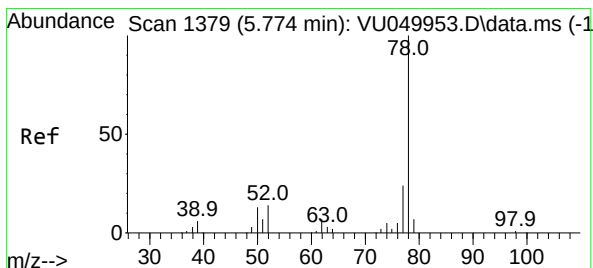
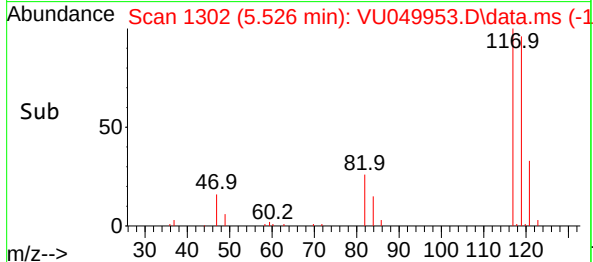
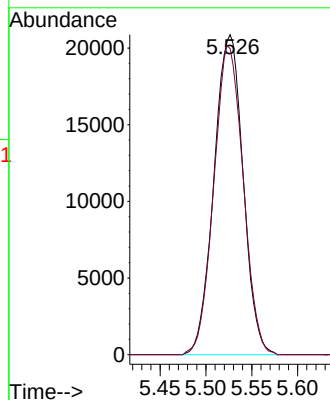
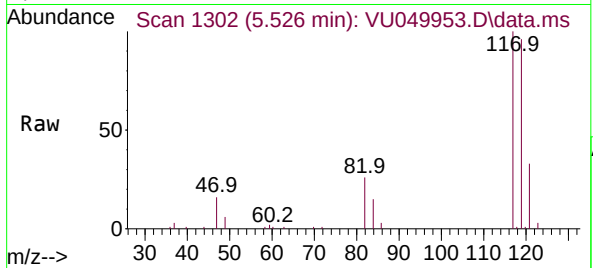




#31
Carbon tetrachloride
Concen: 4.667 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

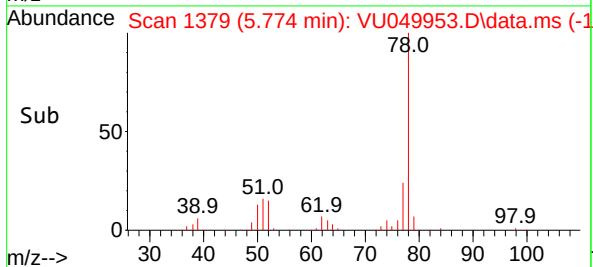
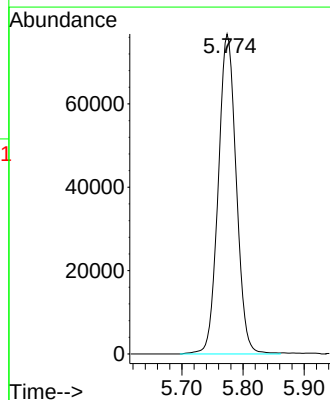
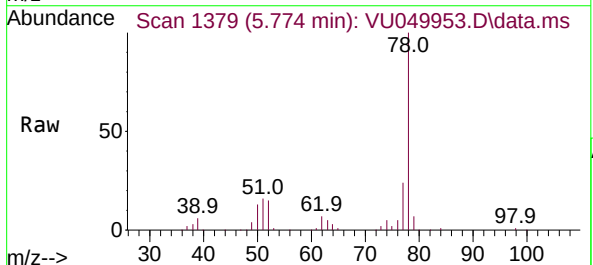
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

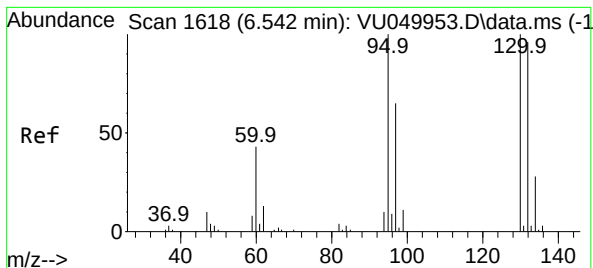
Tgt Ion:117 Resp: 46035
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.6



#33
Benzene
Concen: 5.252 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion: 78 Resp: 156981





#34

Trichloroethene

Concen: 5.029 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005046

Tgt Ion: 95 Resp: 38025

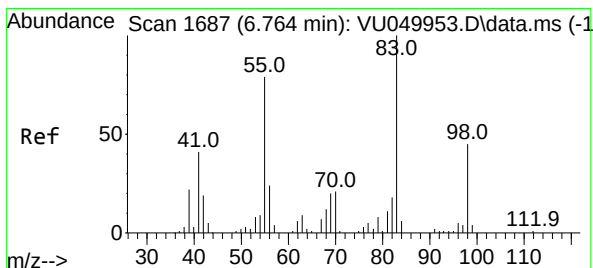
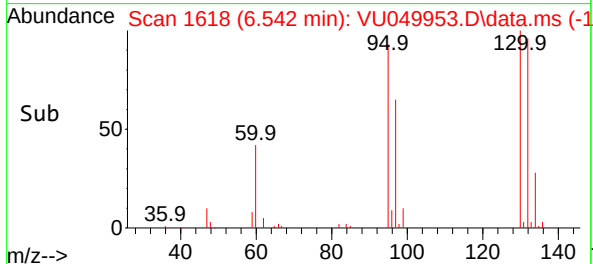
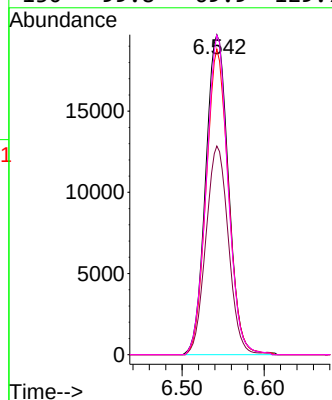
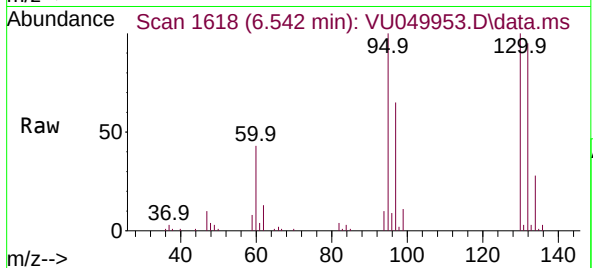
Ion Ratio Lower Upper

95 100

97 65.2 45.6 84.8

132 95.5 66.8 124.2

130 99.8 69.9 129.7



#35

Methylcyclohexane

Concen: 4.098 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

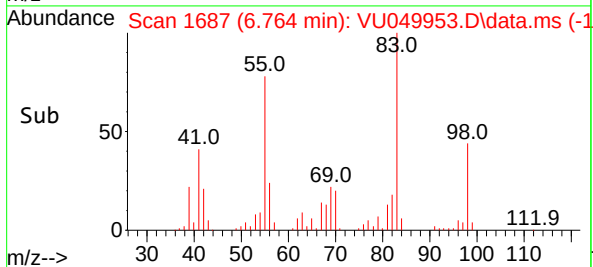
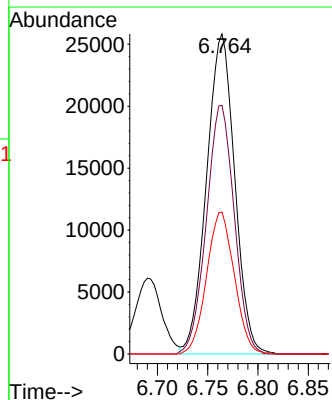
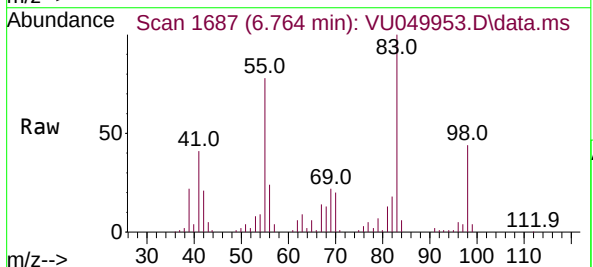
Tgt Ion: 83 Resp: 50336

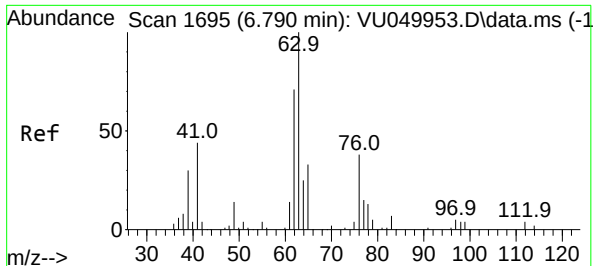
Ion Ratio Lower Upper

83 100

55 77.0 61.6 92.4

98 43.5 34.8 52.2

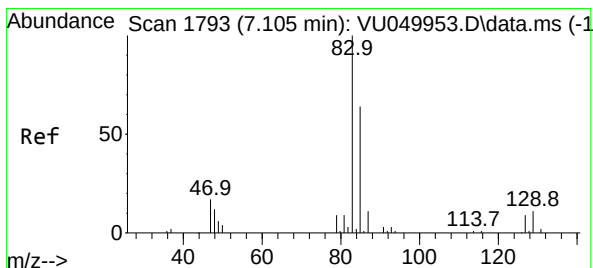
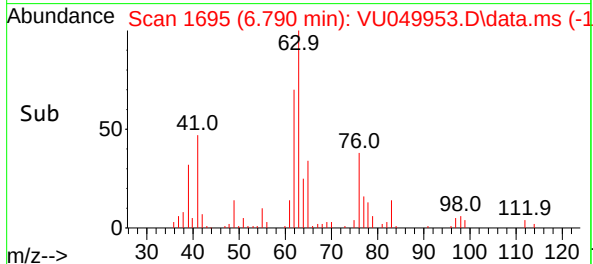
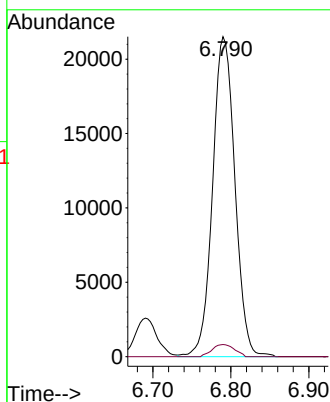
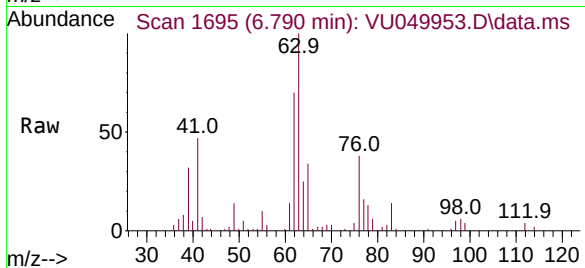




#37
1,2-Dichloropropane
Concen: 5.210 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

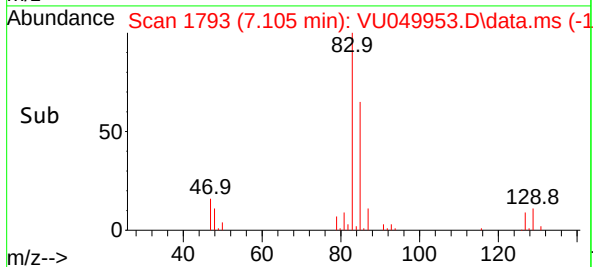
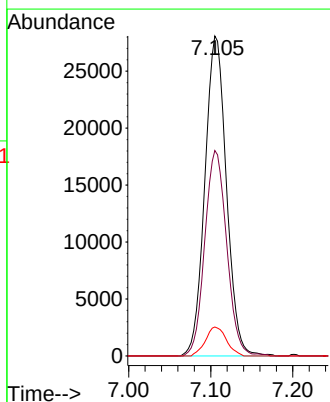
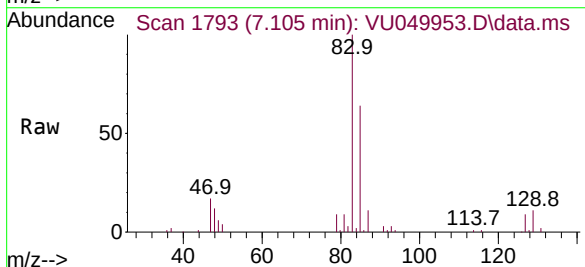
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

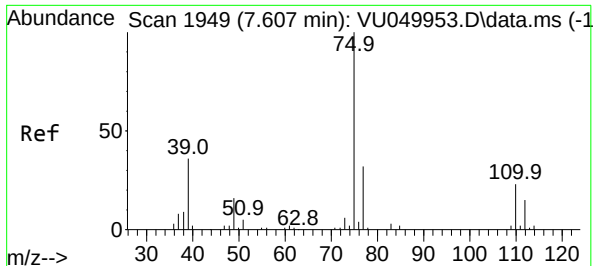
Tgt Ion: 63 Resp: 42832
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 5.147 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion: 83 Resp: 51399
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.551 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

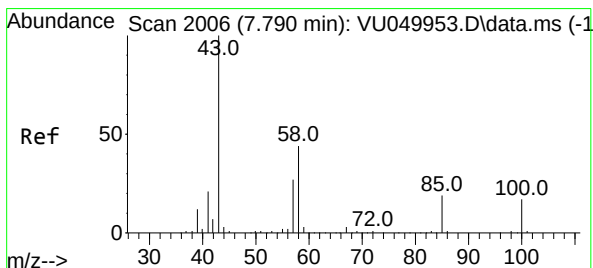
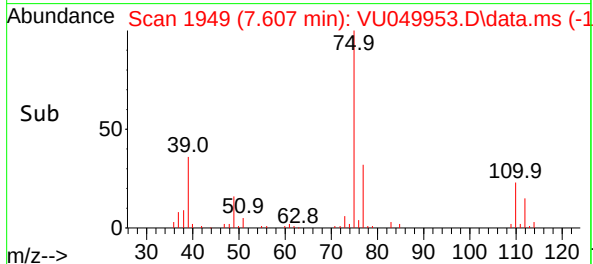
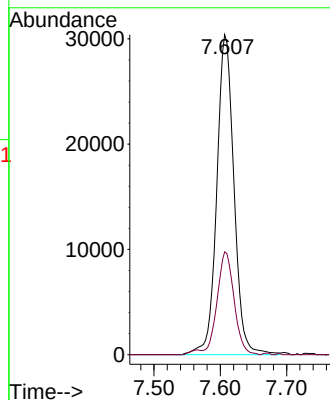
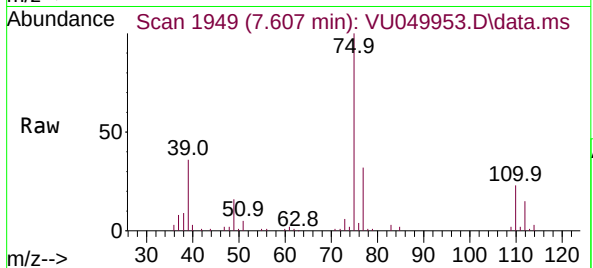
VSTD005046

Tgt Ion: 75 Resp: 54853

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 42.742 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

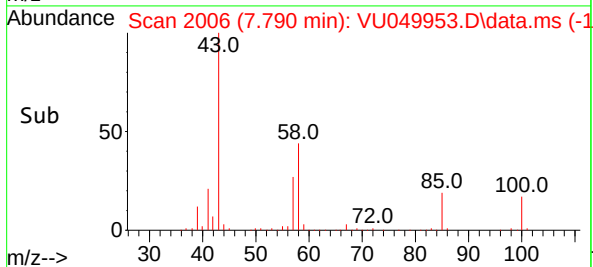
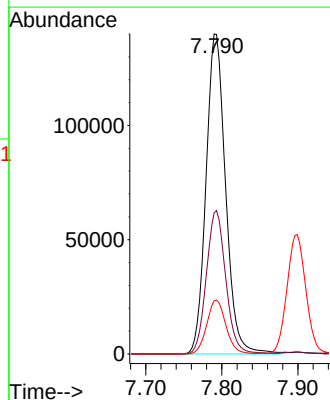
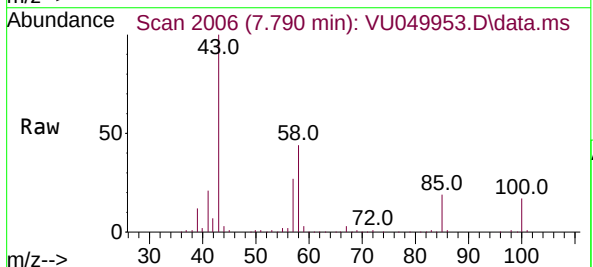
Tgt Ion: 43 Resp: 250790

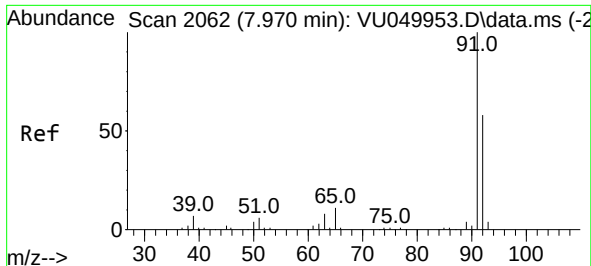
Ion Ratio Lower Upper

43 100

58 44.4 35.5 53.3

100 16.5 13.2 19.8





#42

Toluene

Concen: 5.161 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

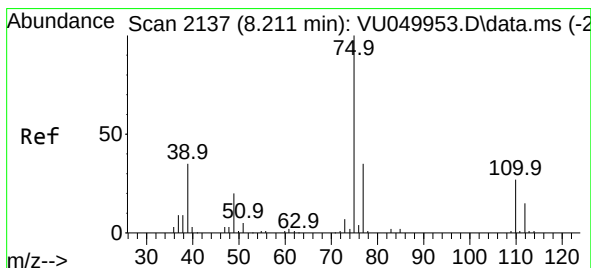
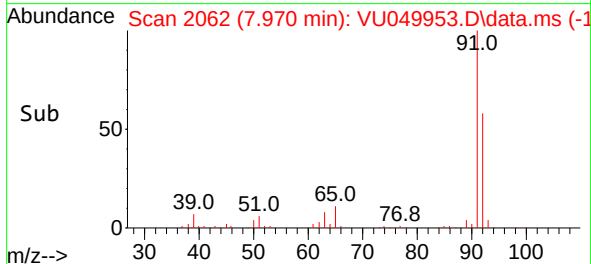
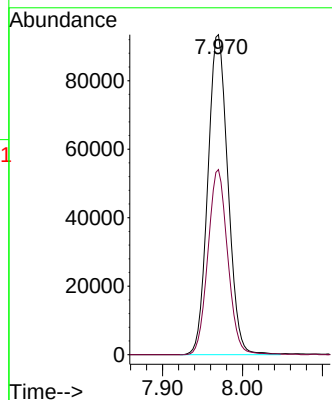
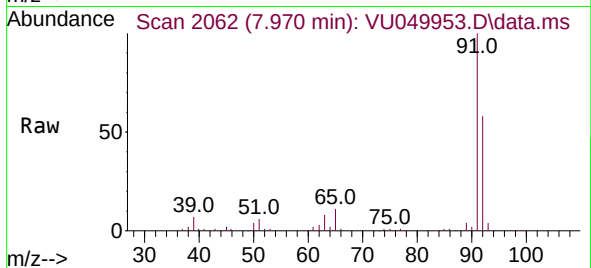
VSTD005046

Tgt Ion: 91 Resp: 163054

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.440 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049953.D

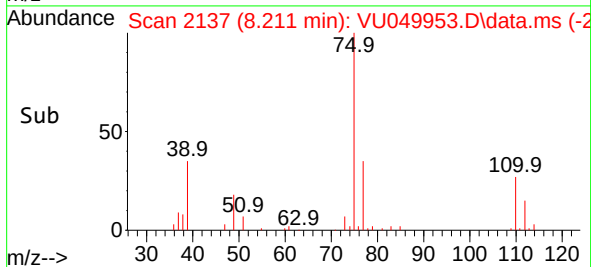
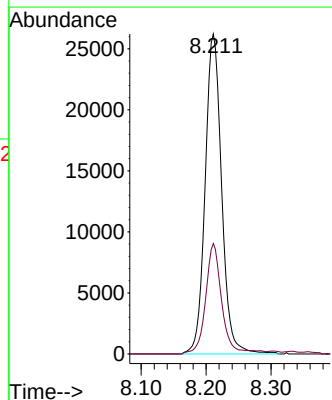
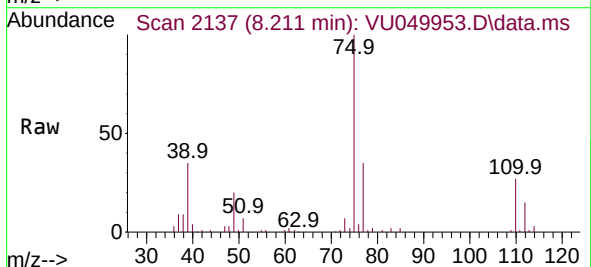
Acq: 27 Jul 2022 16:50

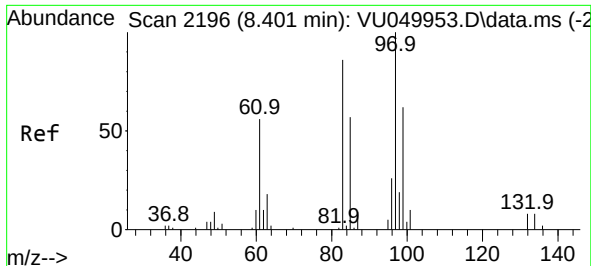
Tgt Ion: 75 Resp: 46440

Ion Ratio Lower Upper

75 100

77 34.5 24.1 44.8

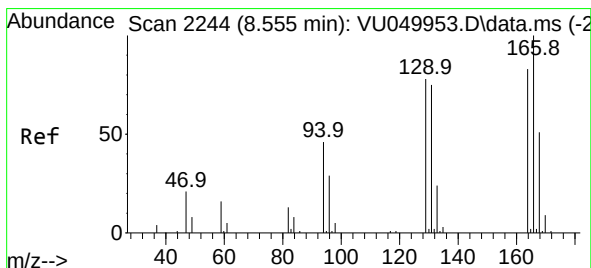
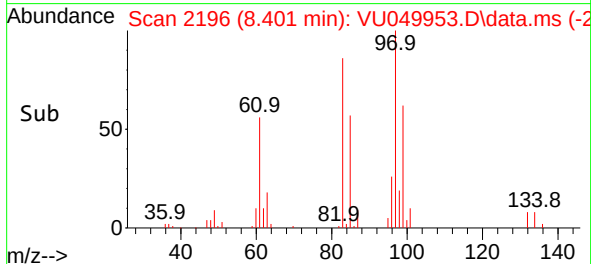
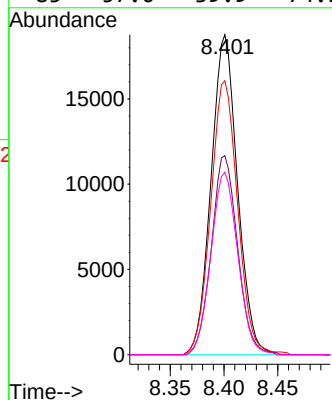
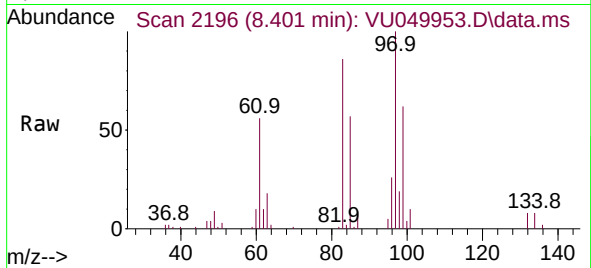




#45
1,1,2-Trichloroethane
Concen: 5.485 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

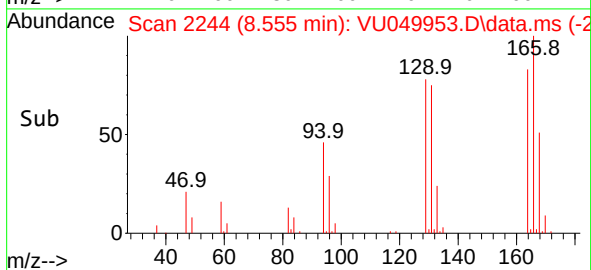
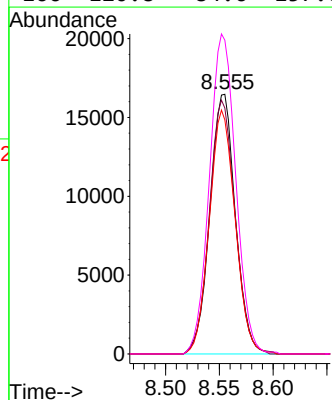
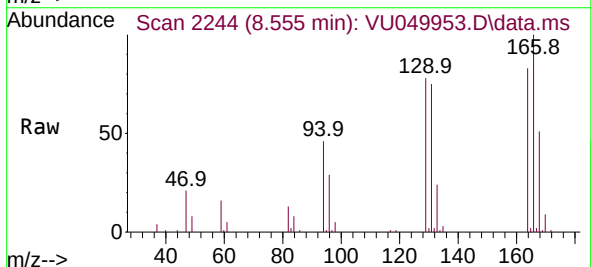
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

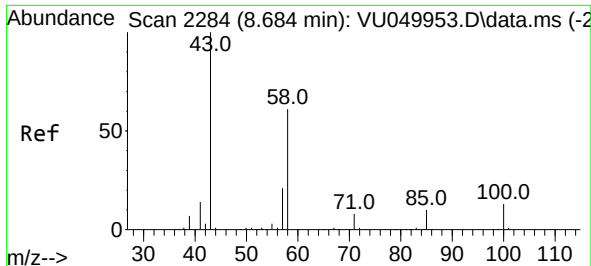
Tgt Ion:	97	Resp:	32098
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.9
83	85.6	59.9	111.3
85	57.0	39.9	74.1



#47
Tetrachloroethene
Concen: 5.191 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion:	164	Resp:	27209
Ion	Ratio	Lower	Upper
164	100		
129	94.7	66.3	123.1
131	90.1	63.1	117.1
166	120.8	84.6	157.0

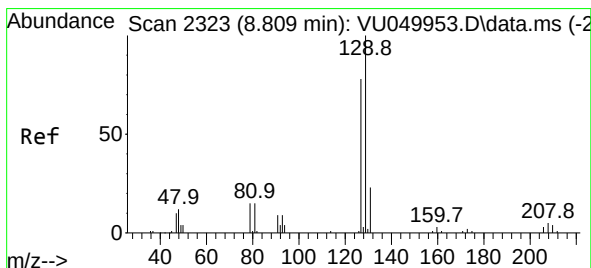
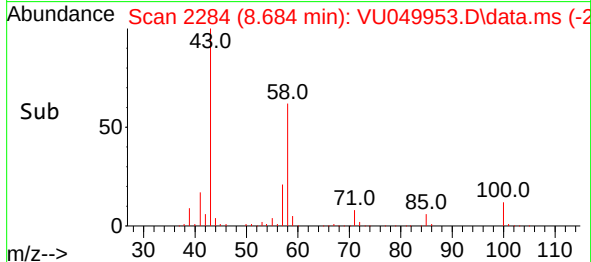
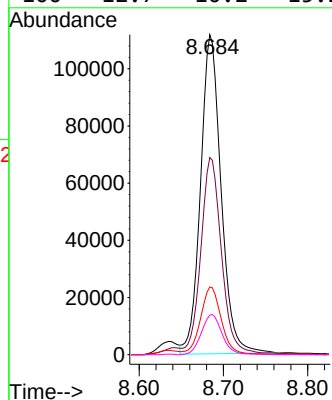
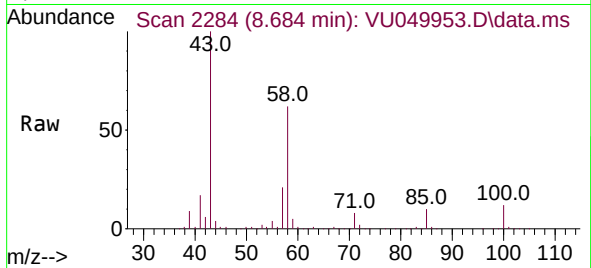




#48
2-Hexanone
Concen: 44.868 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

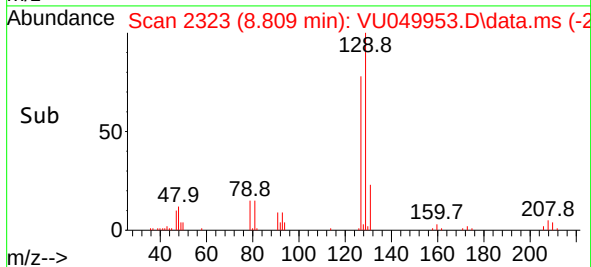
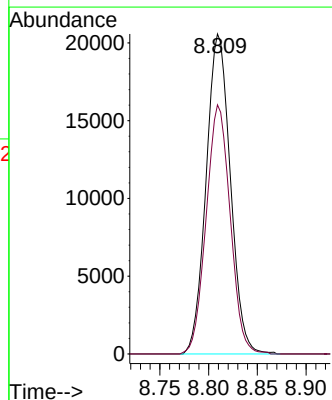
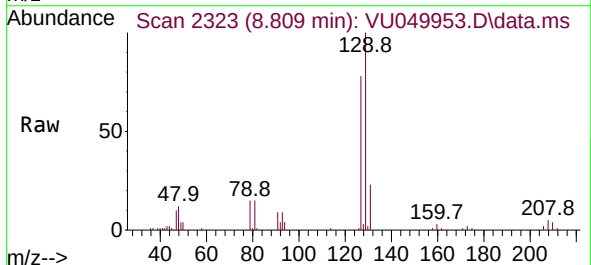
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

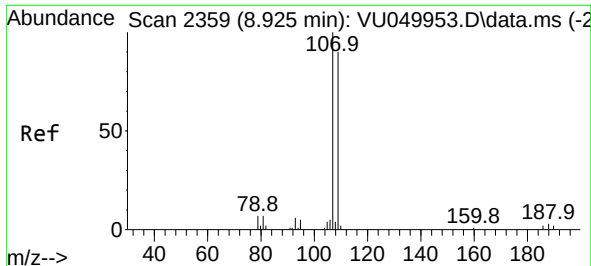
Tgt Ion:	43	Resp:	189915
Ion	Ratio	Lower	Upper
43	100		
58	61.7	49.4	74.0
57	21.2	17.0	25.4
100	12.7	10.2	15.2



#49
Dibromochloromethane
Concen: 5.414 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion:	129	Resp:	35624
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.5	101.1





#50

1,2-Dibromoethane

Concen: 5.411 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005046

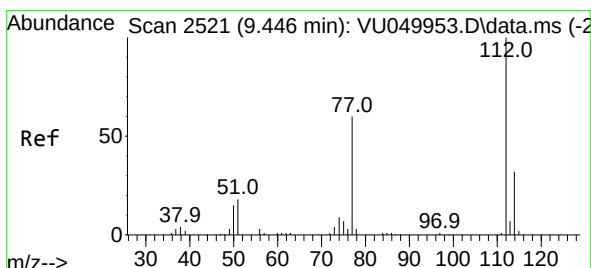
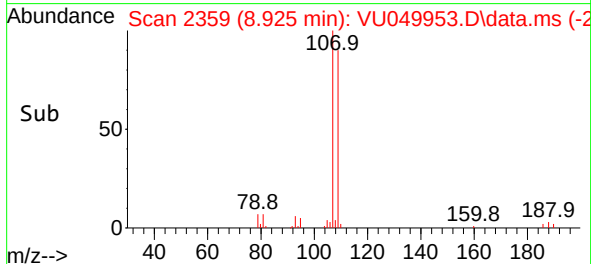
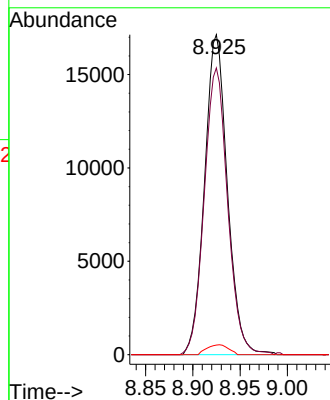
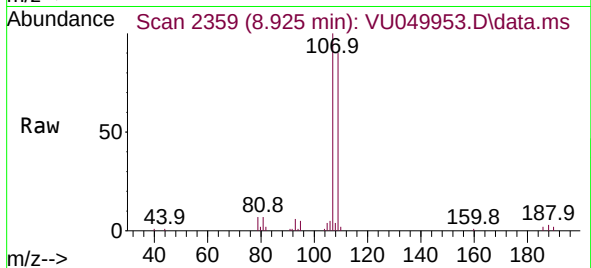
Tgt Ion:107 Resp: 28766

Ion Ratio Lower Upper

107 100

109 89.6 62.7 116.5

188 3.0 2.4 3.6



#51

Chlorobenzene

Concen: 5.204 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

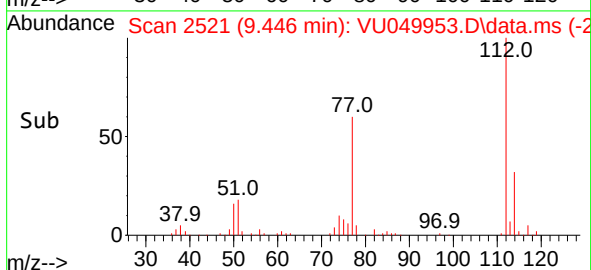
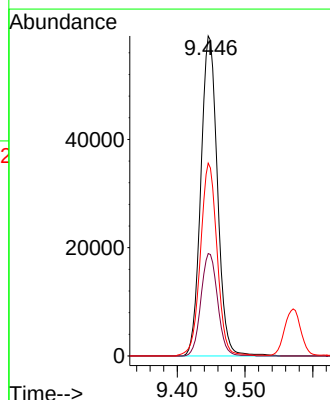
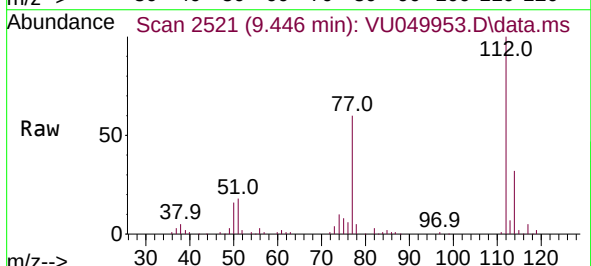
Tgt Ion:112 Resp: 100539

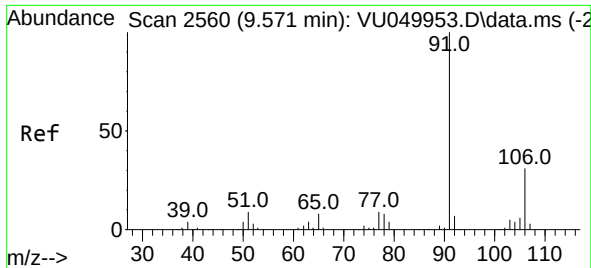
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 60.3 48.2 72.4

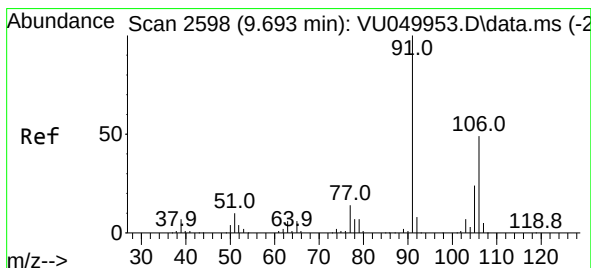
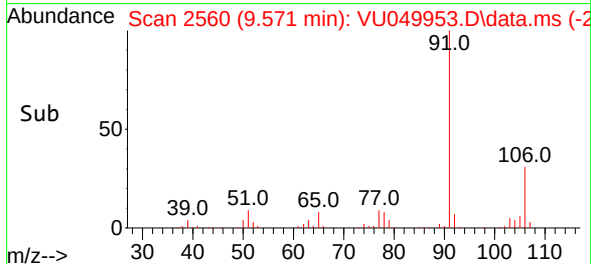
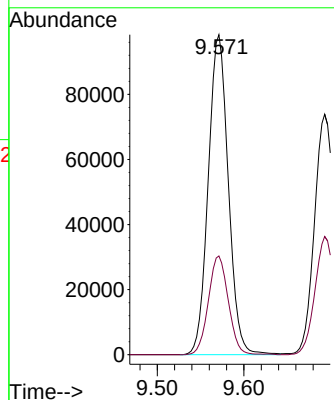
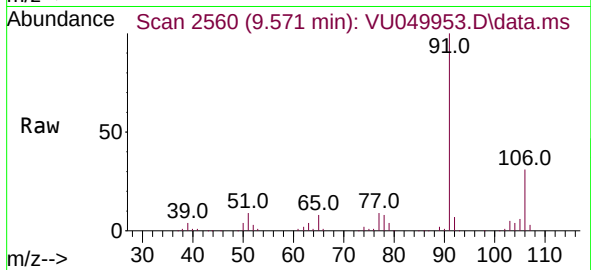




#52
Ethylbenzene
Concen: 4.684 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

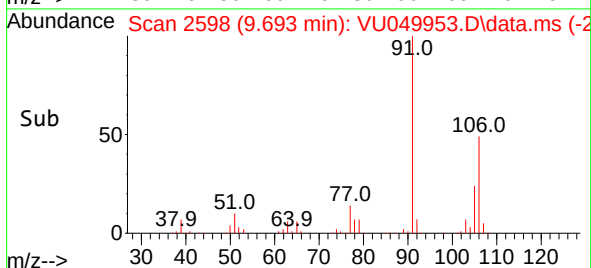
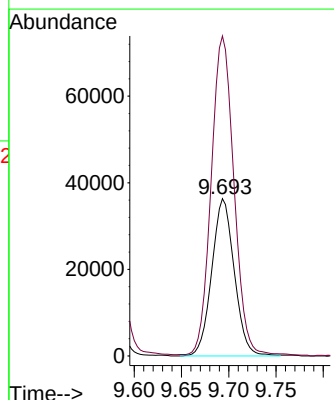
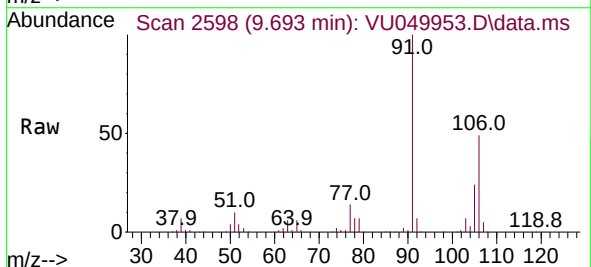
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

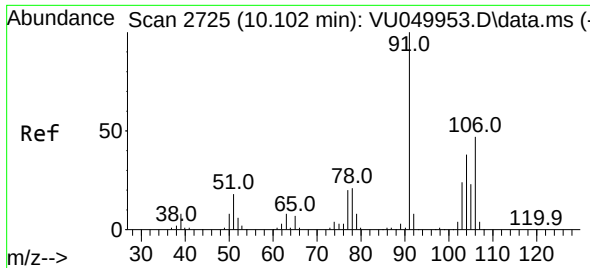
Tgt Ion: 91 Resp: 158154
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.0



#53
m,p-Xylene
Concen: 4.794 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion: 106 Resp: 60224
Ion Ratio Lower Upper
106 100
91 203.4 142.4 264.4

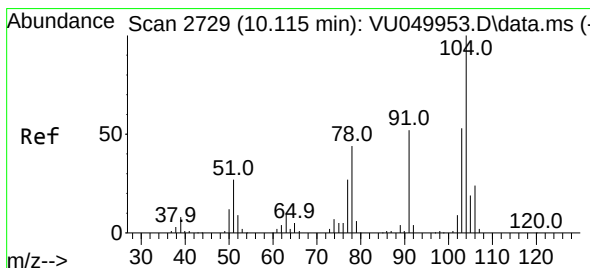
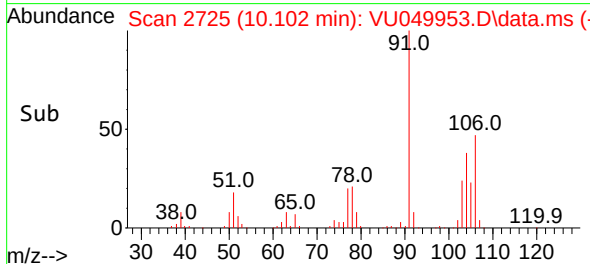
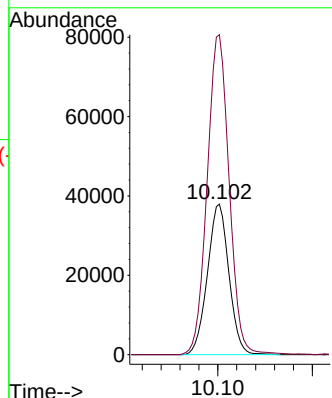
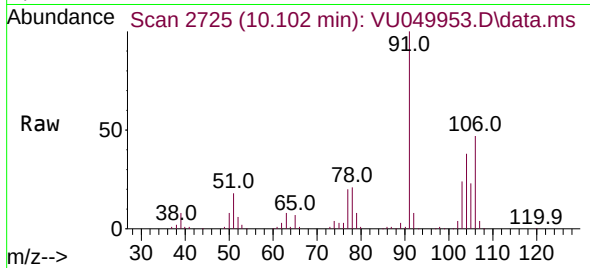




#54
o-Xylene
Concen: 4.804 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

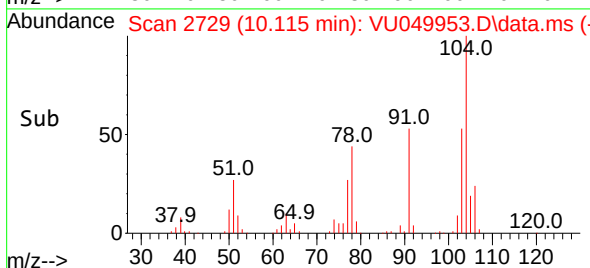
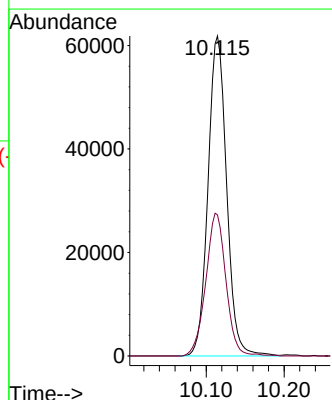
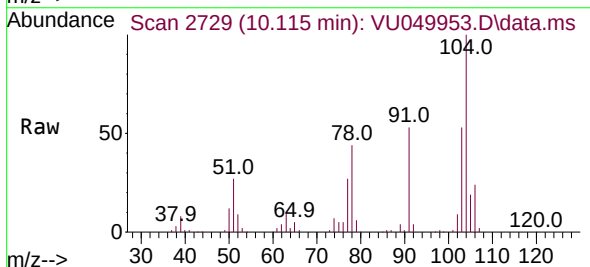
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

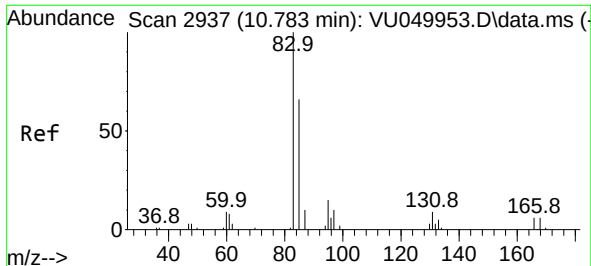
Tgt Ion:106 Resp: 59917
Ion Ratio Lower Upper
106 100
91 212.4 148.7 276.1



#55
Styrene
Concen: 4.896 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion:104 Resp: 102621
Ion Ratio Lower Upper
104 100
78 44.1 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.381 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005046

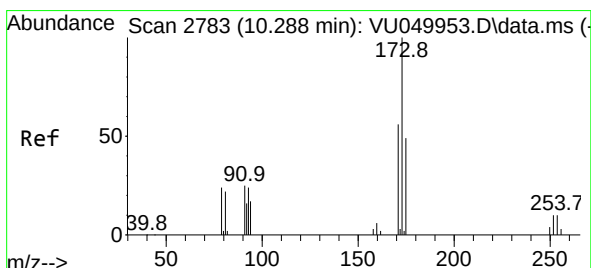
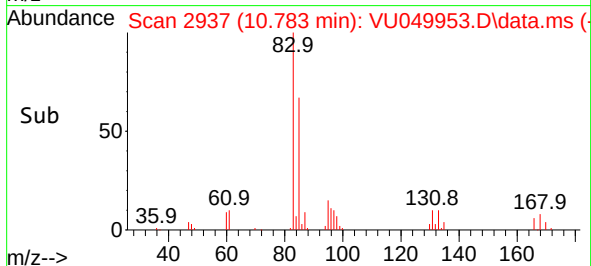
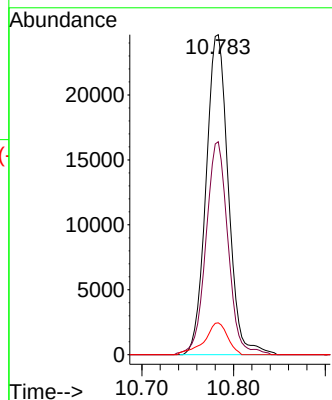
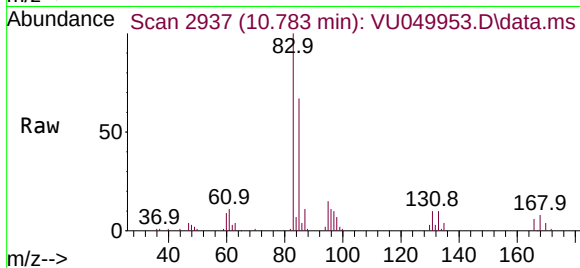
Tgt Ion: 83 Resp: 41451

Ion Ratio Lower Upper

83 100

85 66.6 46.6 86.6

131 9.9 7.9 11.9



#59

Bromoform

Concen: 5.445 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

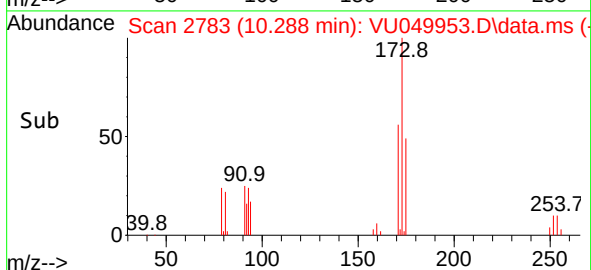
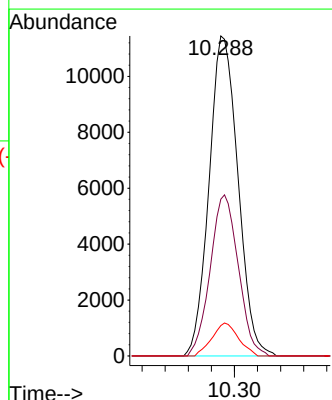
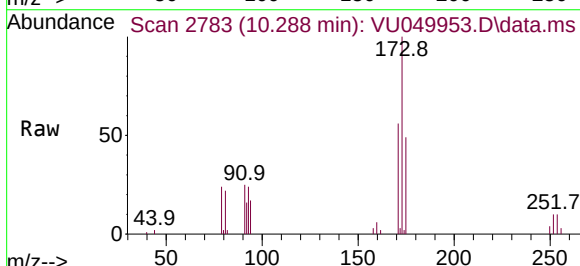
Tgt Ion: 173 Resp: 19874

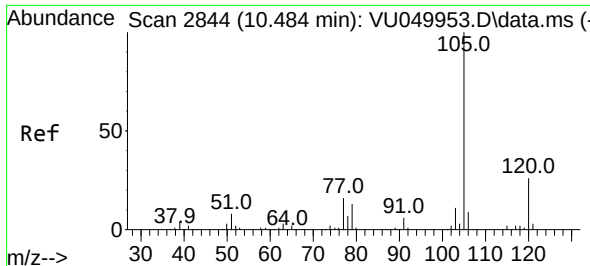
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 9.4 7.5 11.3

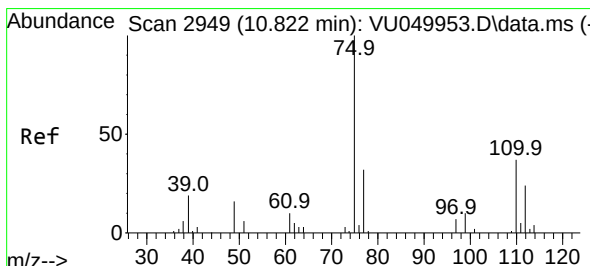
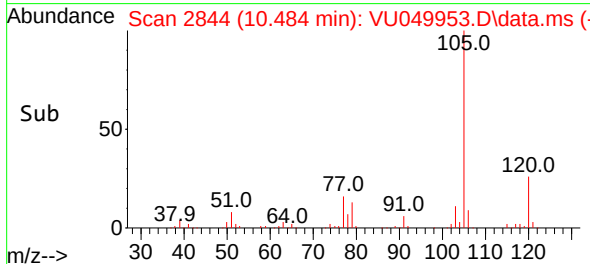
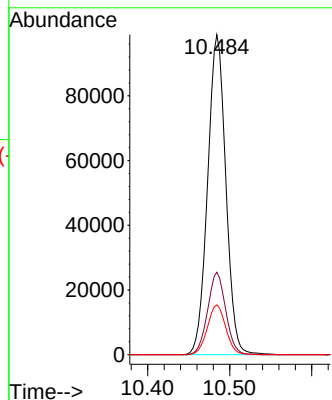
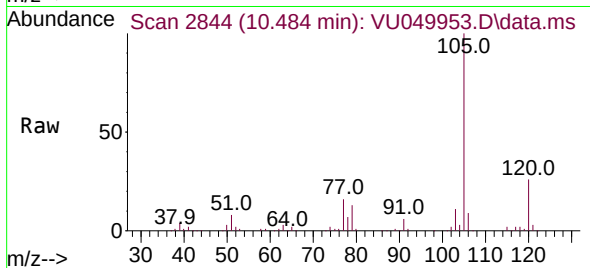




#60
Isopropylbenzene
Concen: 4.754 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

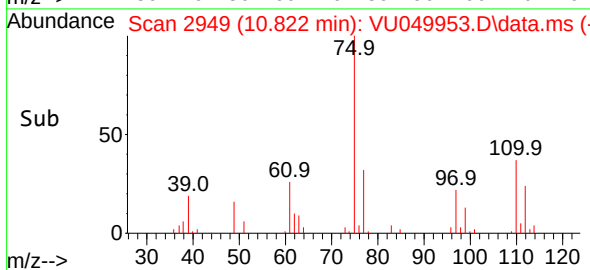
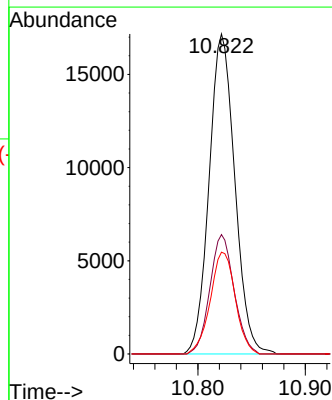
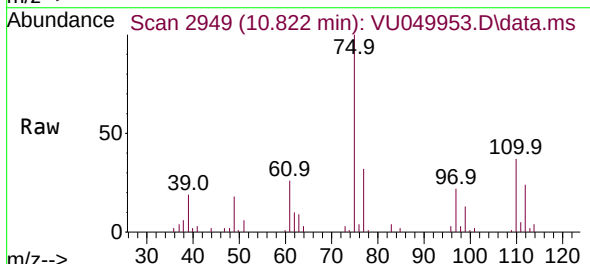
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

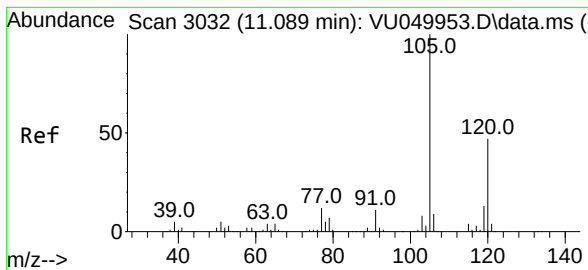
Tgt Ion:105 Resp: 152279
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 15.7 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.212 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion: 75 Resp: 28481
Ion Ratio Lower Upper
75 100
110 35.1 28.1 42.1
77 30.9 24.7 37.1

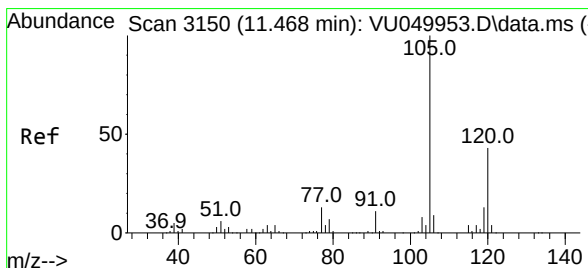
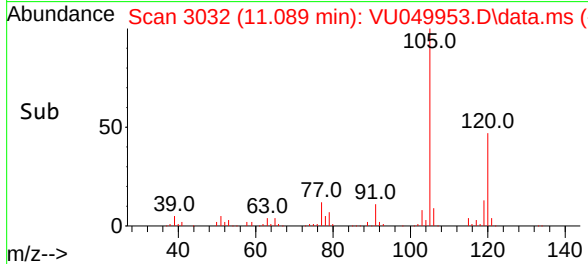
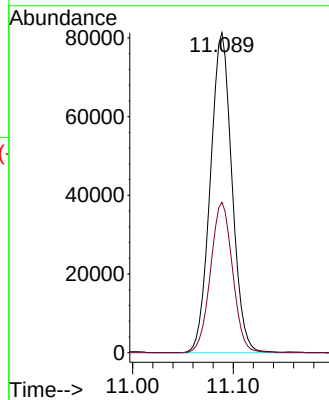
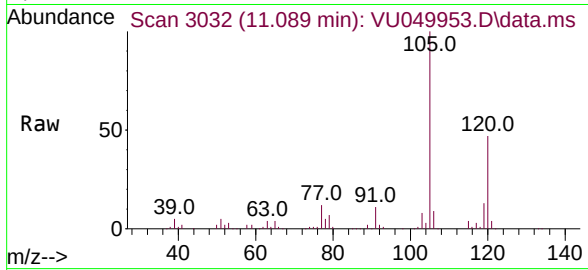




#62
 1,3,5-Trimethylbenzene
 Concen: 4.371 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

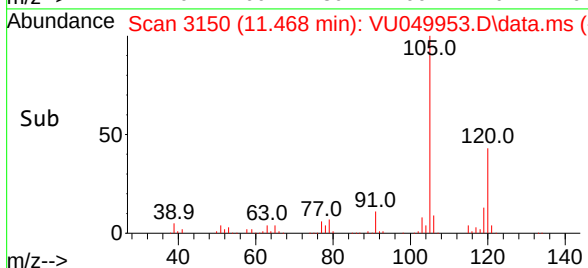
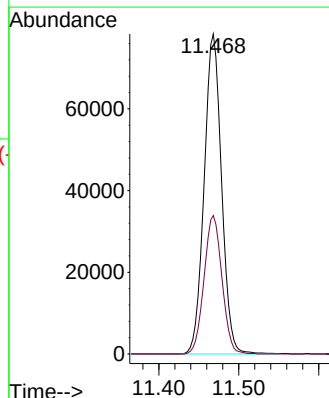
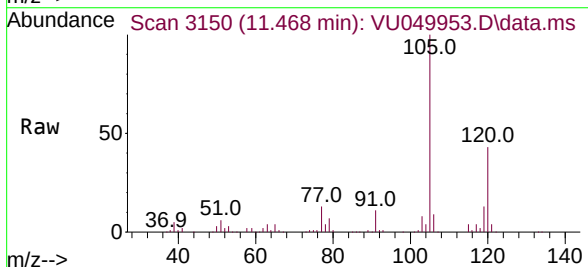
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005046

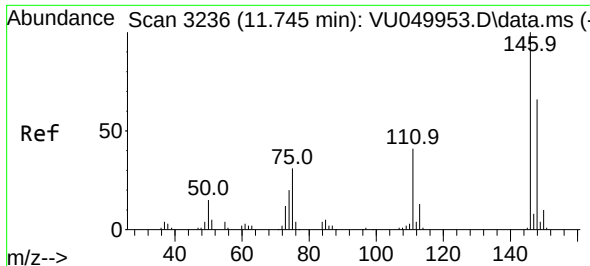
Tgt Ion:105 Resp: 121537
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.338 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

Tgt Ion:105 Resp: 118957
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.4 53.2

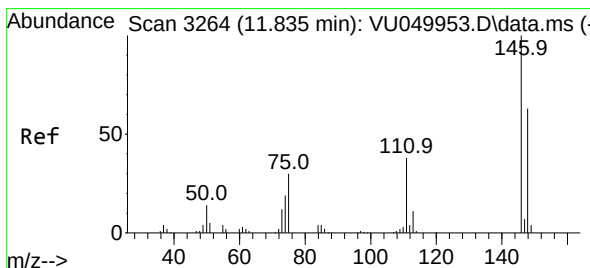
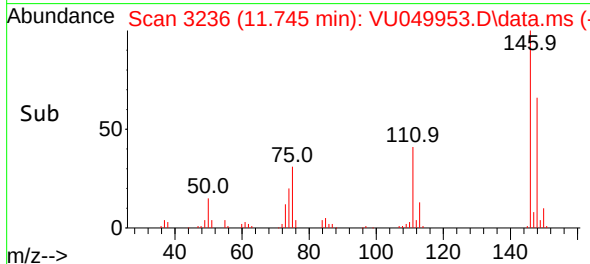
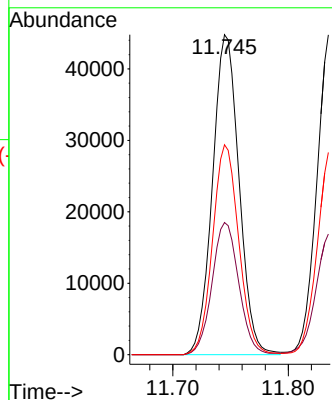
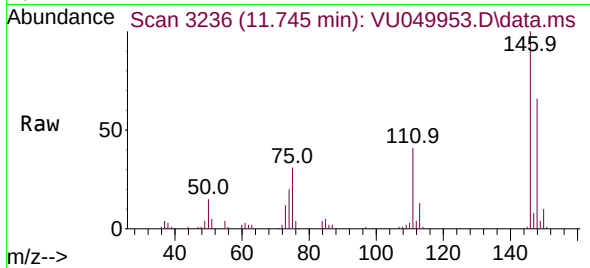




#64
1,3-Dichlorobenzene
Concen: 5.085 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

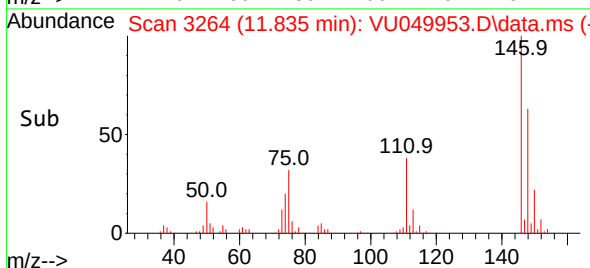
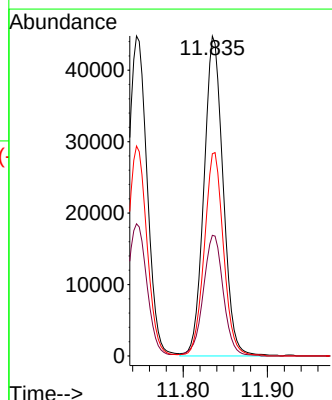
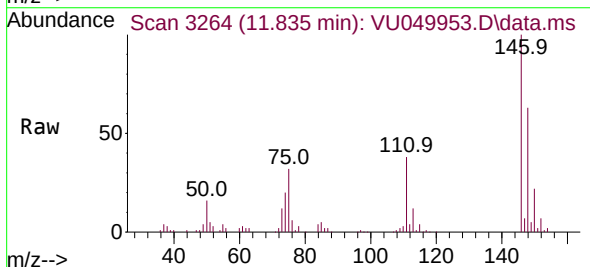
Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

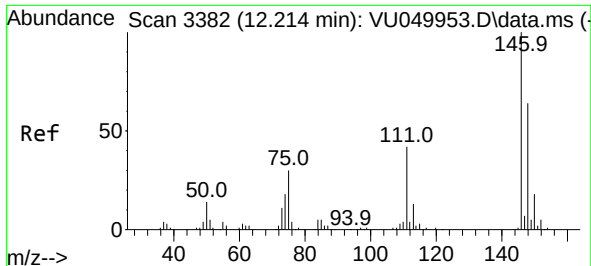
Tgt Ion:146 Resp: 71396
Ion Ratio Lower Upper
146 100
111 41.3 28.9 53.7
148 65.6 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 5.117 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion:146 Resp: 70990
Ion Ratio Lower Upper
146 100
111 37.7 26.4 49.0
148 63.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.297 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD005046

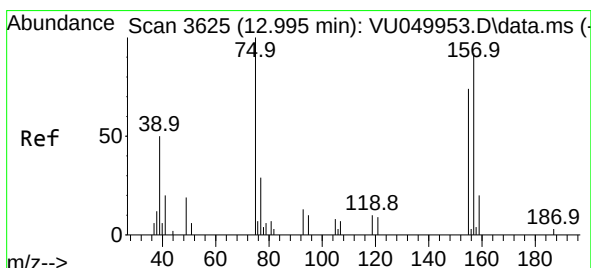
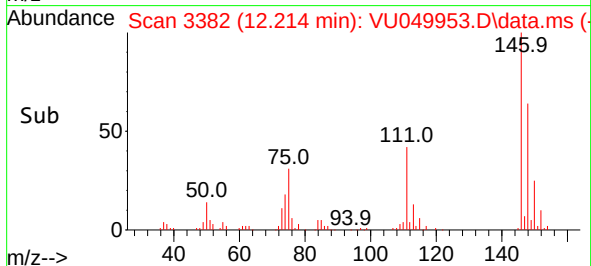
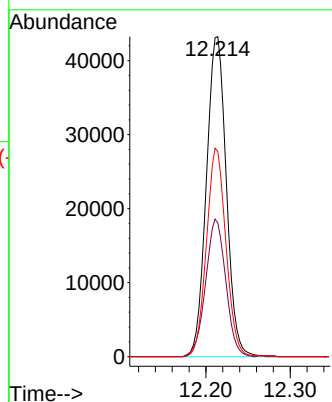
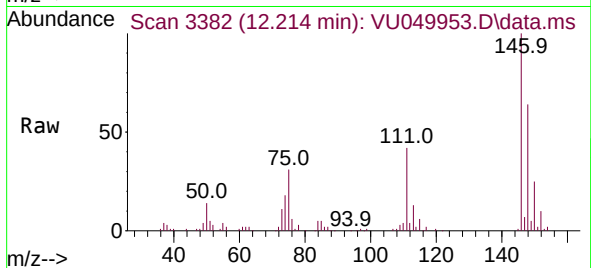
Tgt Ion:146 Resp: 71167

Ion Ratio Lower Upper

146 100

111 41.8 33.4 50.2

148 64.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.345 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049953.D

Acq: 27 Jul 2022 16:50

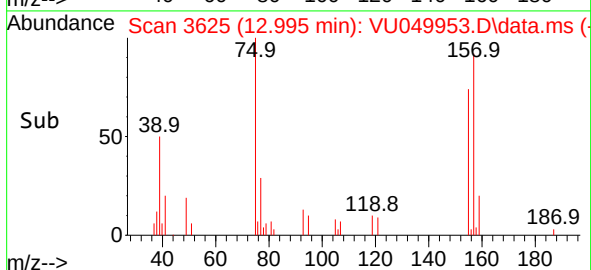
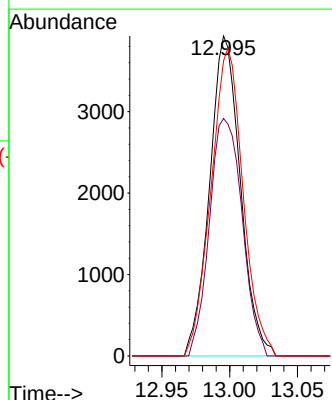
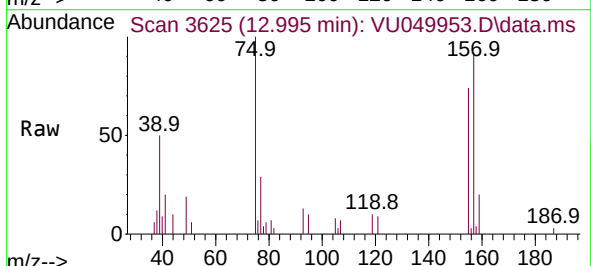
Tgt Ion: 75 Resp: 6190

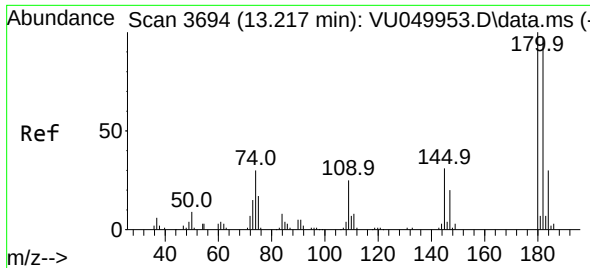
Ion Ratio Lower Upper

75 100

155 74.2 59.4 89.0

157 92.2 73.8 110.6

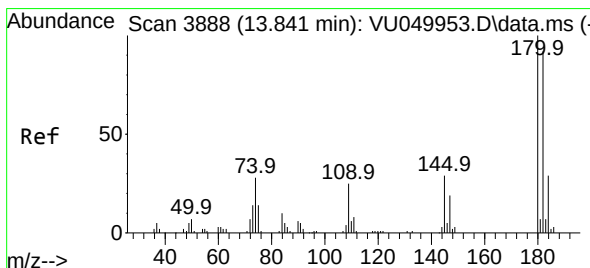
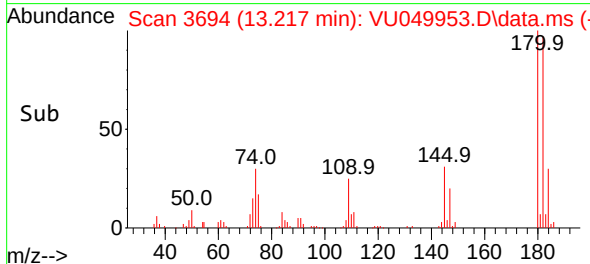
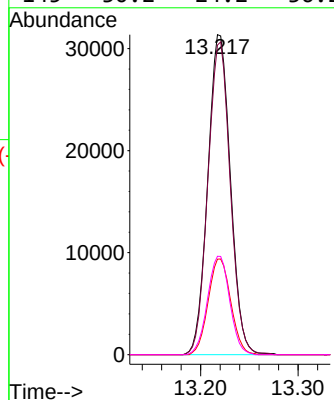
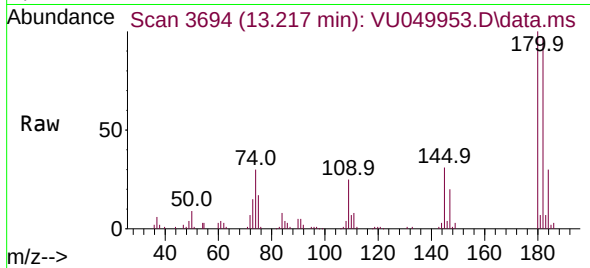




#69
 1,3,5-Trichlorobenzene
 Concen: 4.898 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

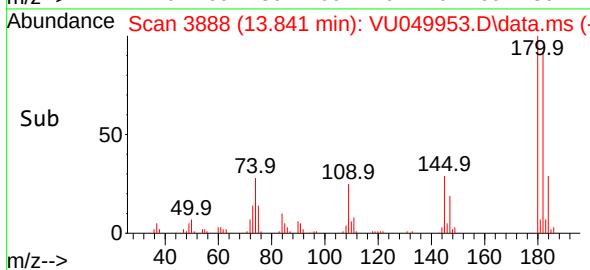
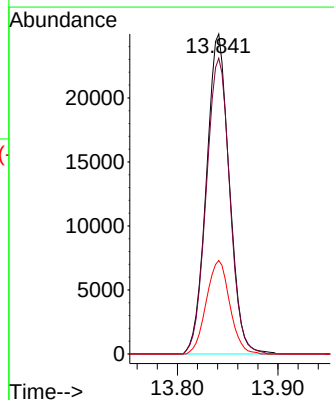
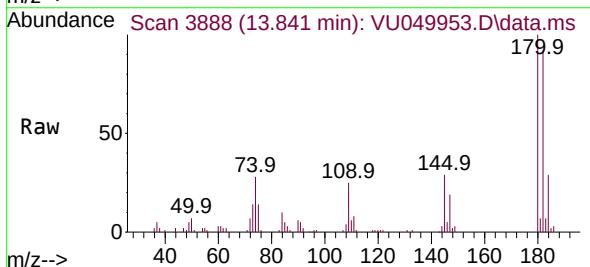
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005046

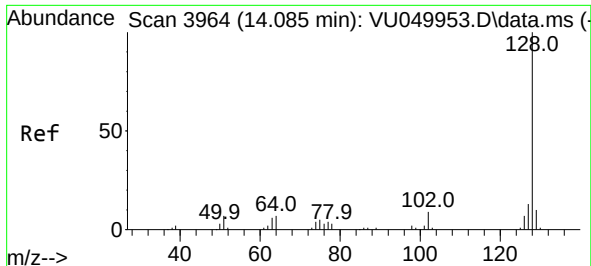
Tgt Ion:180	Resp:	50648
Ion Ratio	Lower	Upper
180	100	
182	96.5	77.2 115.8
184	29.9	23.9 35.9
145	30.2	24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 4.812 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU049953.D
 Acq: 27 Jul 2022 16:50

Tgt Ion:180	Resp:	39580
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.8 113.6
145	29.8	23.8 35.8

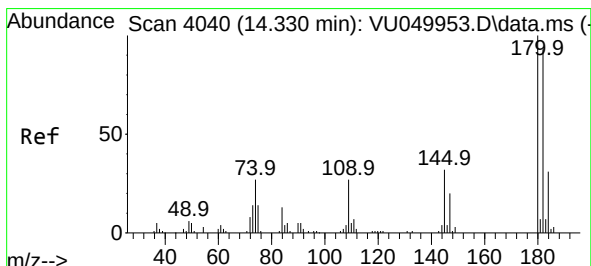
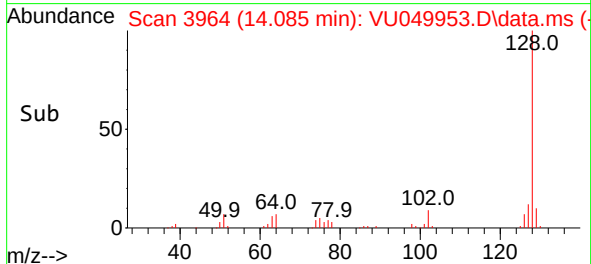
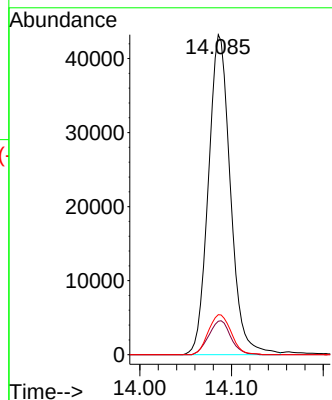
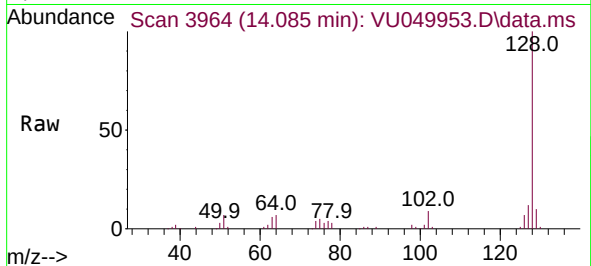




#71
Naphthalene
Concen: 4.445 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD005046

Tgt Ion:	128	Resp:	72160
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.5	12.7
127	12.9	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 4.955 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049953.D
Acq: 27 Jul 2022 16:50

Tgt Ion:	180	Resp:	38728
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	32.9	26.3	39.5

