

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080222\
 Data File : VU050048.D
 Acq On : 02 Aug 2022 16:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005143

Quant Time: Aug 03 00:52:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 03 00:51:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	75831	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	76585	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	36365	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38728	5.948	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.000%
7) Chloroethane-d5	1.912	69	30738	6.573	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	131.400%#
11) 1,1-Dichloroethene-d2	2.562	65	14850	6.618	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	132.400%#
20) 2-Butanone-d5	4.655	46	96809	66.795	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.580%#
24) Chloroform-d	5.063	84	67442	6.260	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.200%#
26) 1,2-Dichloroethane-d4	5.706	65	34889	6.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.600%
32) Benzene-d6	5.726	84	132297	5.846	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.000%
36) 1,2-Dichloropropane-d6	6.694	67	43922	5.924	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.400%
41) Toluene-d8	7.899	98	122543	6.092	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.800%
43) trans-1,3-Dichloroprop...	8.182	79	15580	5.996	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.000%
46) 2-Hexanone-d5	8.642	63	57554	59.169	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.340%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	38909	6.246	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.000%#
66) 1,2-Dichlorobenzene-d4	12.195	152	39228	5.816	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	31305	5.349	ug/L	100
3) Chloromethane	1.520	50	36970	5.331	ug/L	98
5) Vinyl chloride	1.604	62	35778	5.489	ug/L	98
6) Bromomethane	1.858	94	22296	6.180	ug/L	98
8) Chloroethane	1.932	64	22511	6.091	ug/L	97
9) Trichlorofluoromethane	2.137	101	44362	5.779	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	25149	5.564	ug/L	99
12) 1,1-Dichloroethene	2.575	96	24101	5.759	ug/L	88
13) Acetone	2.646	43	50436	49.509	ug/L	90
14) Carbon disulfide	2.787	76	61201	4.814	ug/L	99
15) Methyl Acetate	2.957	43	13864	6.560	ug/L	98
16) Methylene chloride	3.041	84	36090	5.608	ug/L	96
17) Methyl tert-butyl Ether	3.372	73	84293	7.205	ug/L	98
18) trans-1,2-Dichloroethene	3.343	96	26928	5.854	ug/L	100
19) 1,1-Dichloroethane	3.864	63	57868	6.132	ug/L	98
21) 2-Butanone	4.735	43	80439	54.822	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	32565	5.923	ug/L	95
23) Bromochloromethane	4.973	128	15643	6.213	ug/L	94
25) Chloroform	5.089	83	63302	5.986	ug/L	98

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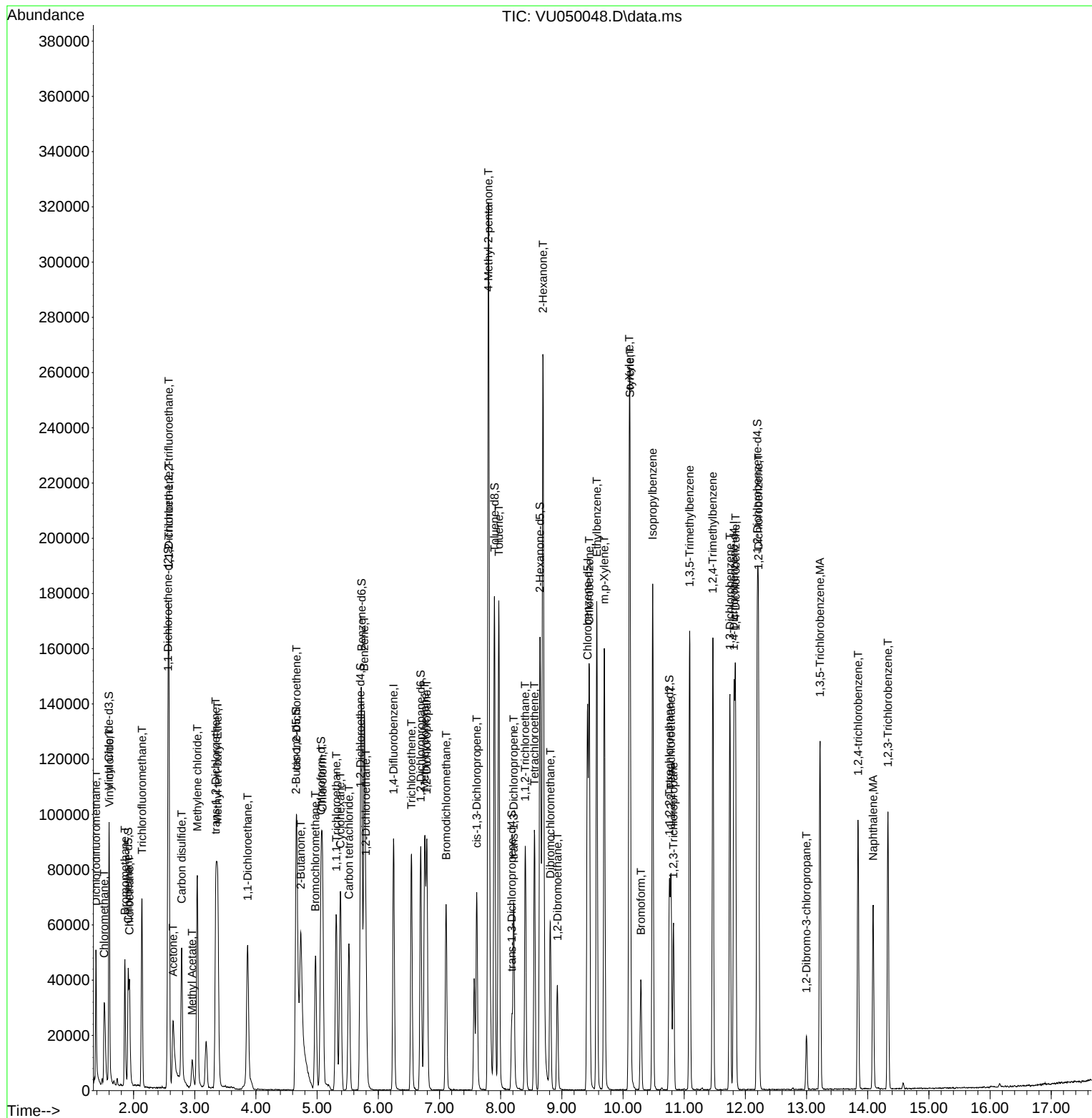
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	37565	6.365	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	46891	5.766	ug/L	98
30) Cyclohexane	5.379	56	32861	4.787	ug/L	99
31) Carbon tetrachloride	5.520	117	37057	5.610	ug/L	100
33) Benzene	5.771	78	128447	5.746	ug/L	100
34) Trichloroethene	6.542	95	30151	5.549	ug/L	98
35) Methylcyclohexane	6.761	83	33374	4.657	ug/L	96
37) 1,2-Dichloropropane	6.793	63	36871	5.985	ug/L	100
38) Bromodichloromethane	7.108	83	45732	6.136	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	45133	5.662	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	223958	62.922	ug/L	98
42) Toluene	7.970	91	133710	5.883	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	40207	6.006	ug/L	96
45) 1,1,2-Trichloroethane	8.401	97	29176	6.339	ug/L	97
47) Tetrachloroethene	8.552	164	21324	5.453	ug/L	97
48) 2-Hexanone	8.694	43	180002	66.342	ug/L	99
49) Dibromochloromethane	8.812	129	32886	6.529	ug/L	97
50) 1,2-Dibromoethane	8.928	107	26237	6.419	ug/L	97
51) Chlorobenzene	9.449	112	83293	5.773	ug/L	99
52) Ethylbenzene	9.571	91	123437	5.544	ug/L	99
53) m,p-Xylene	9.693	106	46330	5.465	ug/L	96
54) o-Xylene	10.102	106	47538	5.783	ug/L	96
55) Styrene	10.115	104	82443	5.889	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	39176	6.539	ug/L	95
59) Bromoform	10.291	173	18910	6.469	ug/L	96
60) Isopropylbenzene	10.484	105	115375	5.371	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	26339	6.237	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	89773	5.144	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	89258	5.277	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	59841	5.818	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	58413	5.739	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	61266	5.995	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	5822	6.979	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	40109	5.408	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	29978	5.067	ug/L	97
71) Naphthalene	14.089	128	55357	4.719	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	31647	5.390	ug/L	97

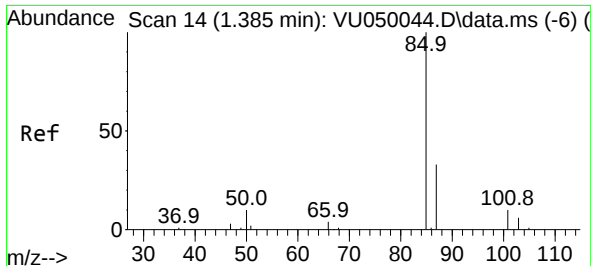
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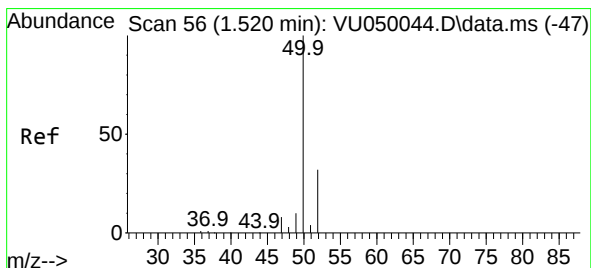
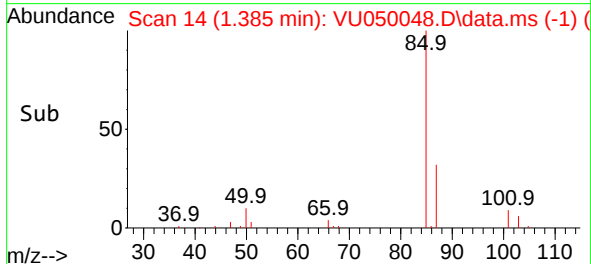
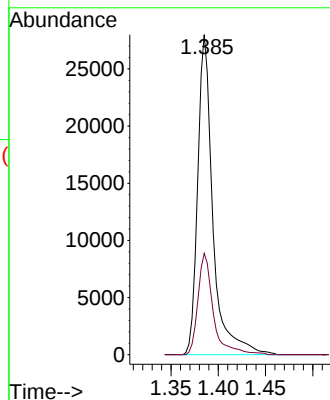
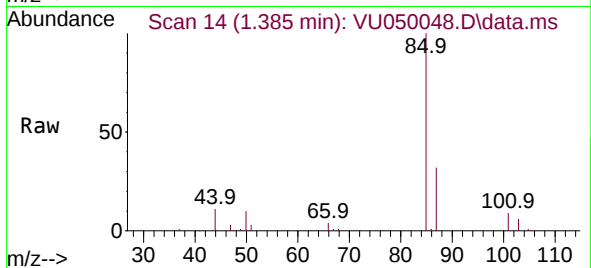




#2
Dichlorodifluoromethane
Concen: 5.349 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

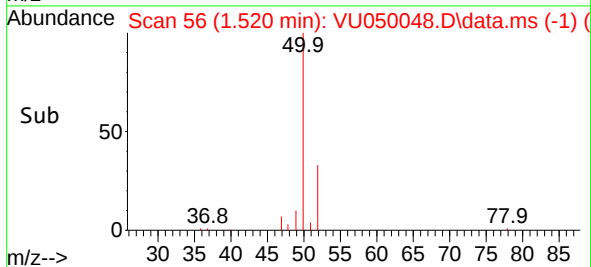
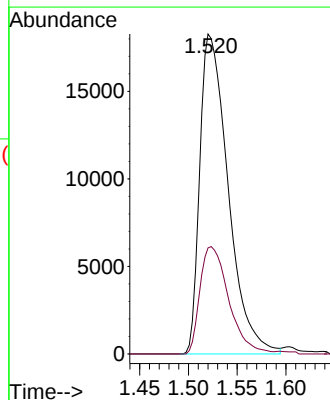
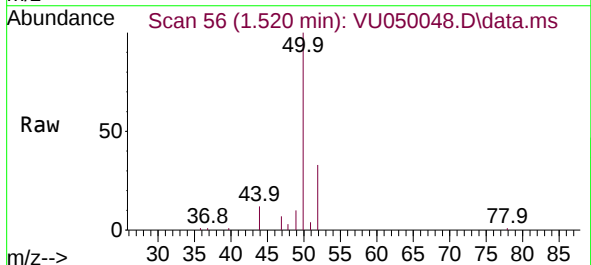
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

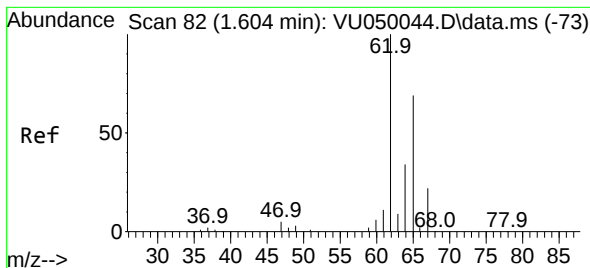
Tgt Ion: 85 Resp: 31305
Ion Ratio Lower Upper
85 100
87 32.0 25.7 38.5



#3
Chloromethane
Concen: 5.331 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion: 50 Resp: 36970
Ion Ratio Lower Upper
50 100
52 33.1 22.4 41.6





#5

Vinyl chloride

Concen: 5.489 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

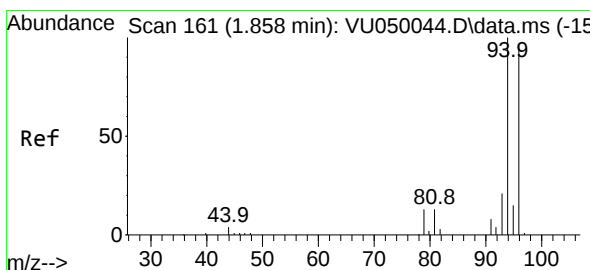
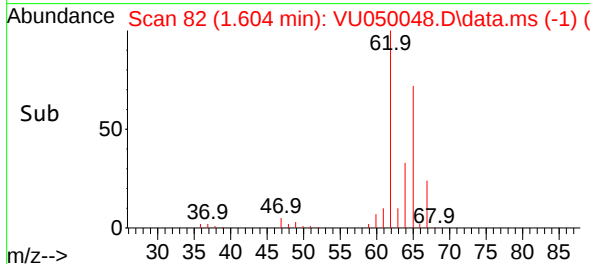
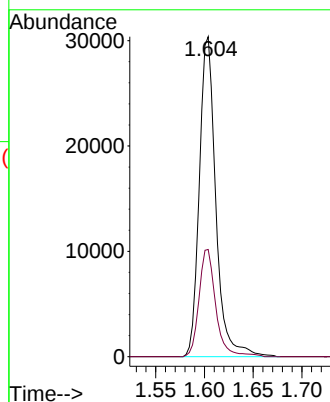
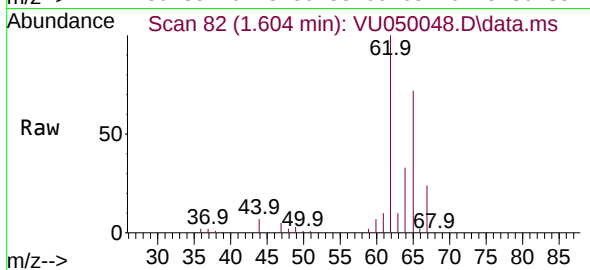
VSTD005143

Tgt Ion: 62 Resp: 35778

Ion Ratio Lower Upper

62 100

64 33.5 22.5 41.9



#6

Bromomethane

Concen: 6.180 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU050048.D

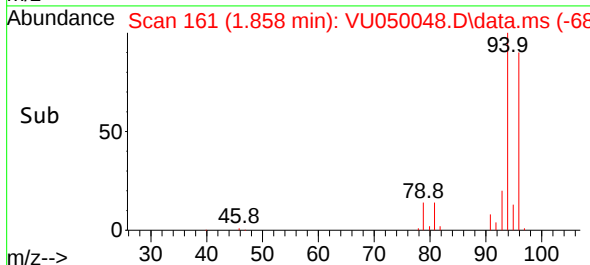
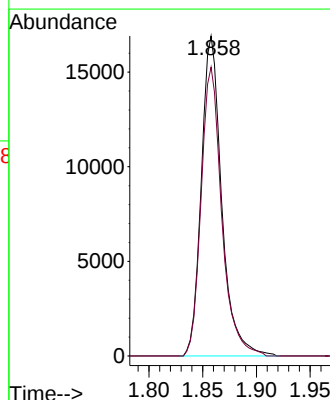
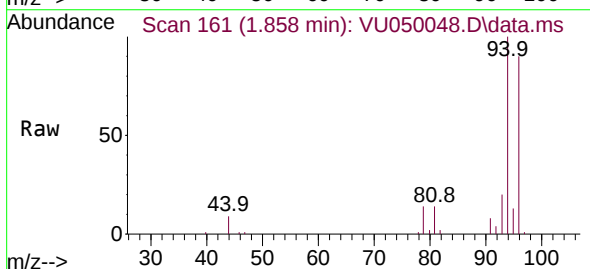
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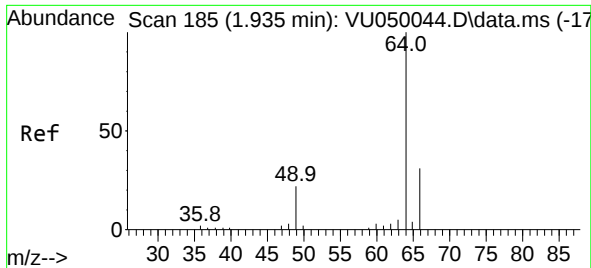
Tgt Ion: 94 Resp: 22296

Ion Ratio Lower Upper

94 100

96 90.3 64.5 119.9

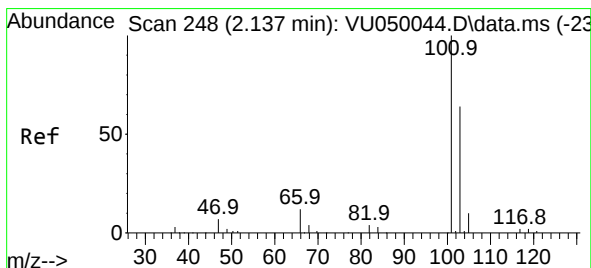
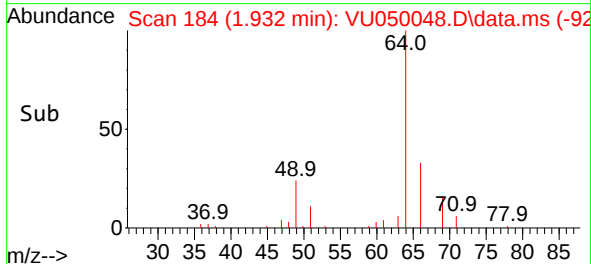
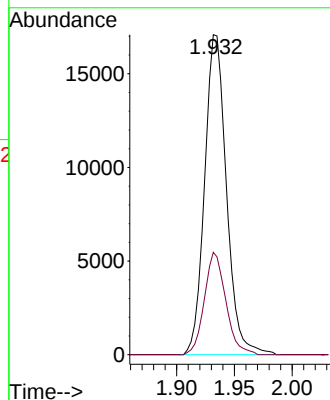
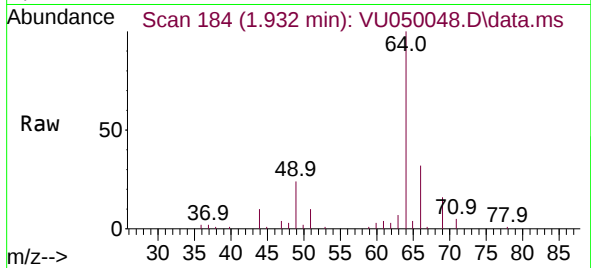




#8
Chloroethane
Concen: 6.091 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

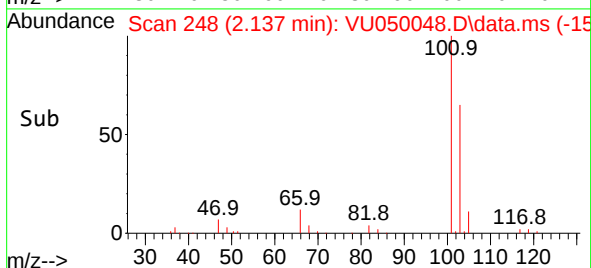
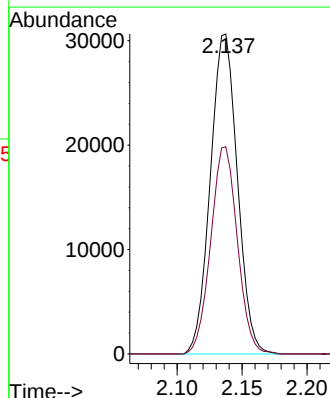
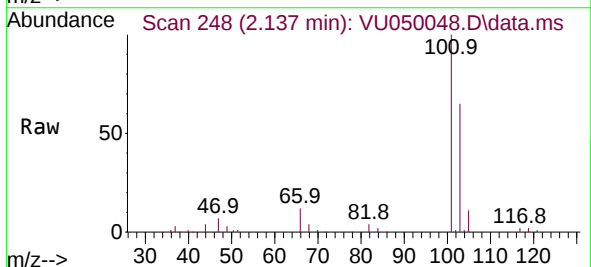
Instrument :
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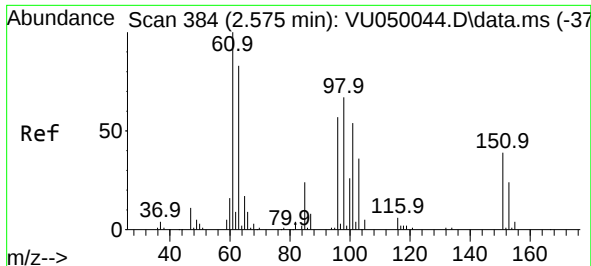
Tgt Ion: 64 Resp: 22511
Ion Ratio Lower Upper
64 100
66 32.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.779 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion:101 Resp: 44362
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6





#10

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

Concen: 5.564 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

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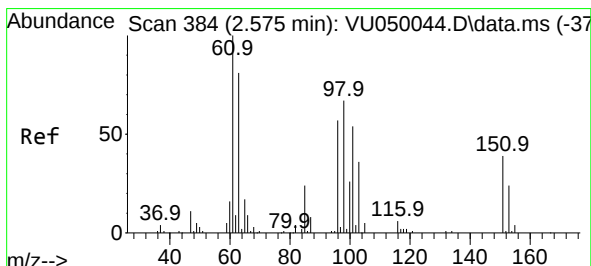
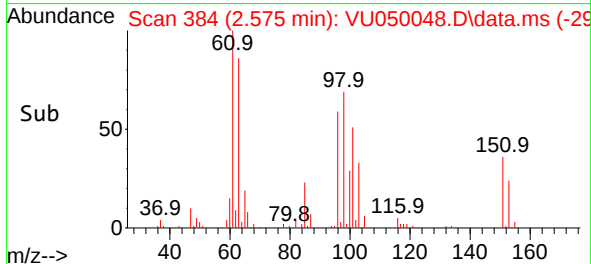
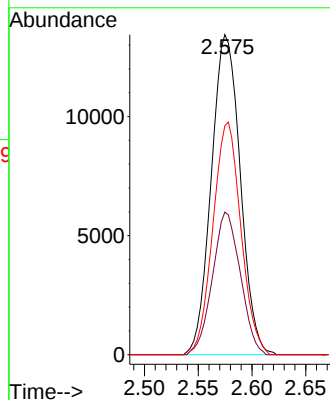
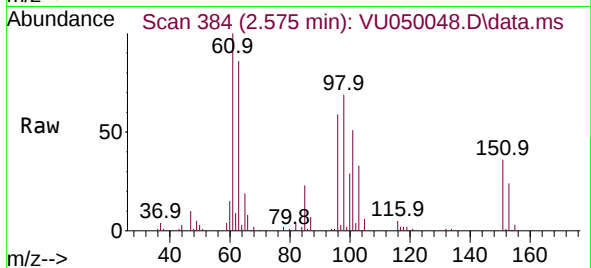
Tgt Ion:101 Resp: 25149

Ion Ratio Lower Upper

101 100

85 42.9 34.1 51.1

151 70.2 56.6 85.0



#12

1,1-Dichloroethene

Concen: 5.759 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

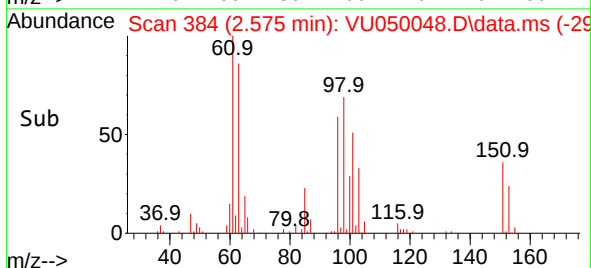
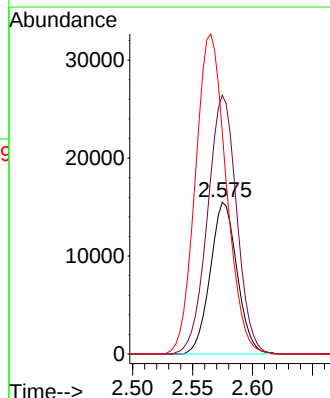
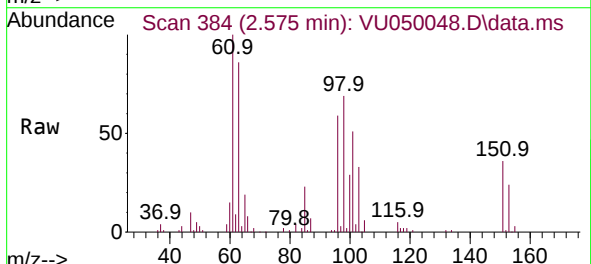
Tgt Ion: 96 Resp: 24101

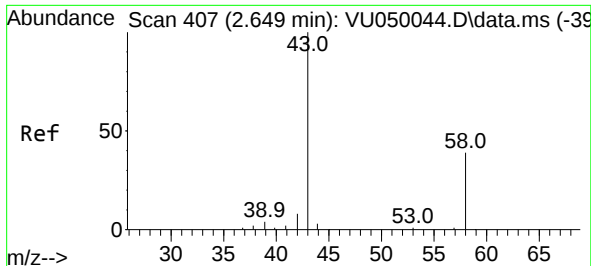
Ion Ratio Lower Upper

96 100

61 170.6 115.7 214.9

63 146.3 84.8 157.4





#13

Acetone

Concen: 49.509 ug/L

RT: 2.646 min Scan# 407

Delta R.T. -0.003 min

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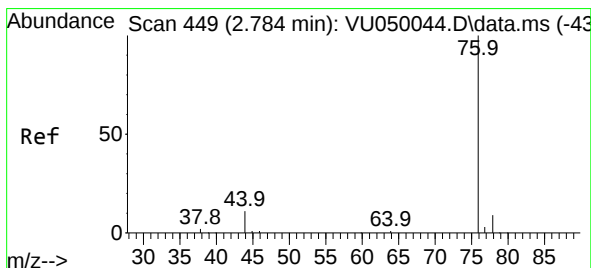
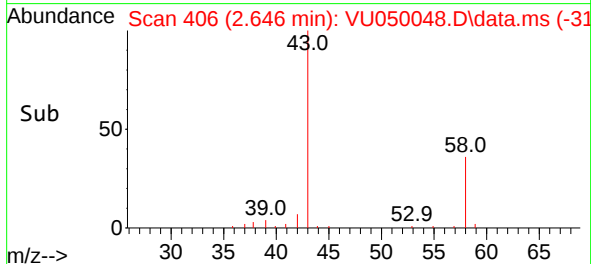
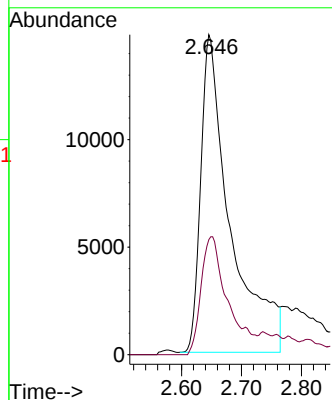
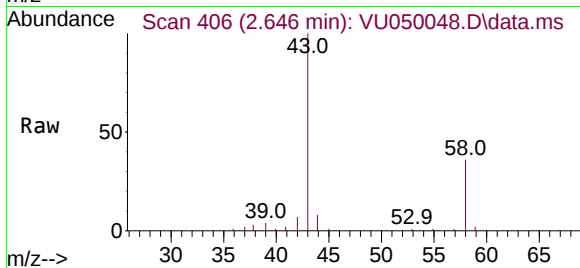
VSTD005143

Tgt Ion: 43 Resp: 50436

Ion Ratio Lower Upper

43 100

58 30.6 0.0 73.0



#14

Carbon disulfide

Concen: 4.814 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.003 min

Lab File: VU050048.D

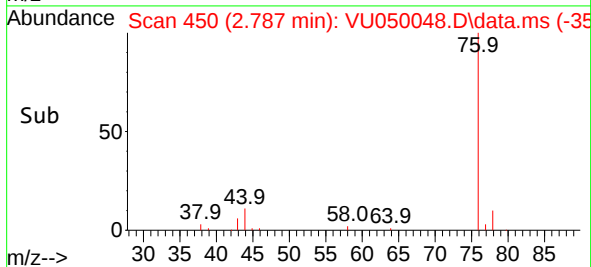
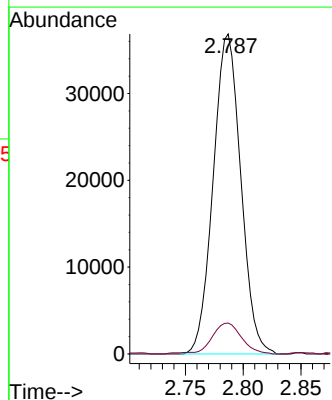
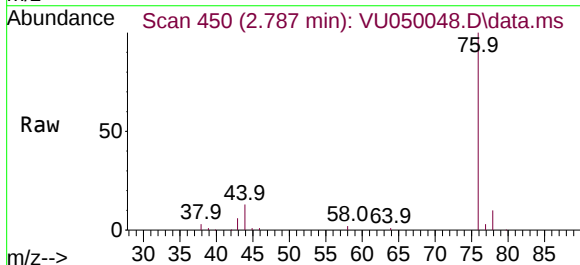
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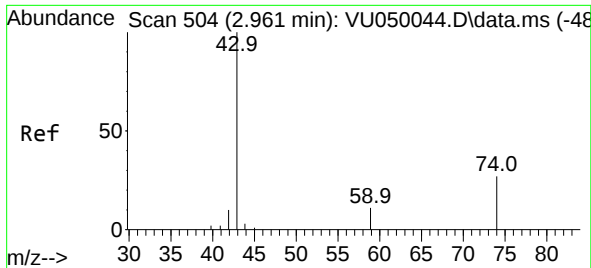
Tgt Ion: 76 Resp: 61201

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

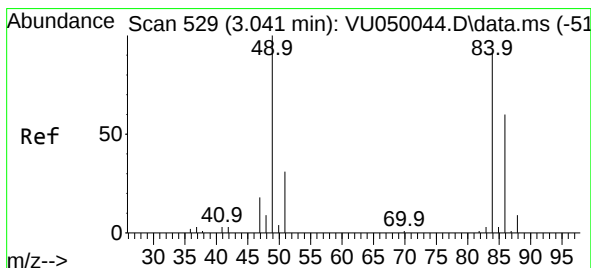
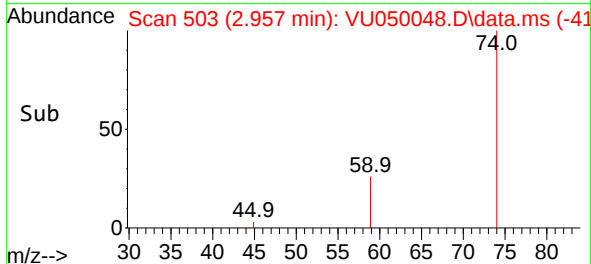
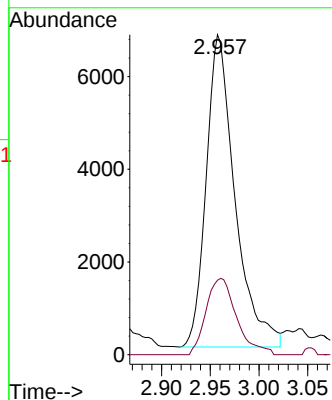
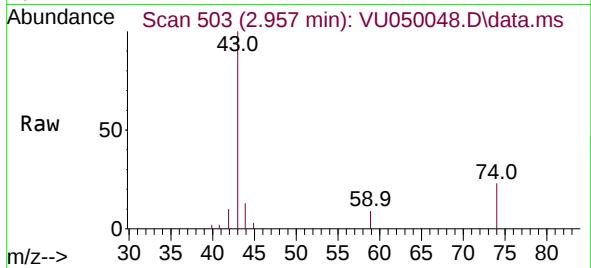




#15
Methyl Acetate
Concen: 6.560 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

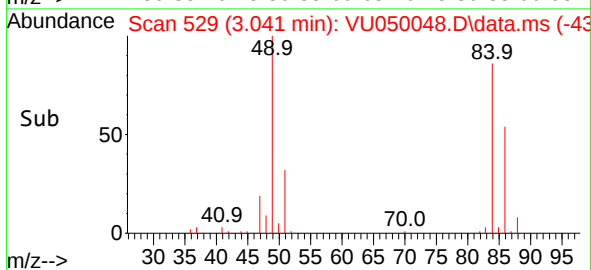
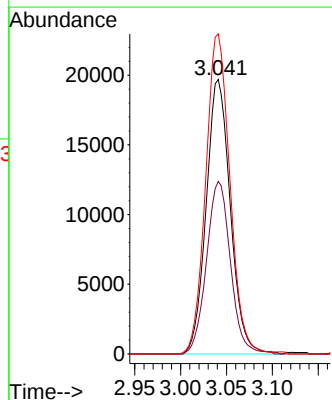
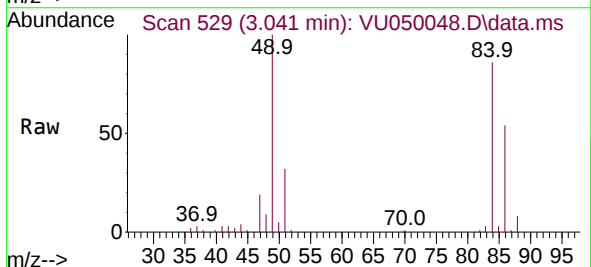
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

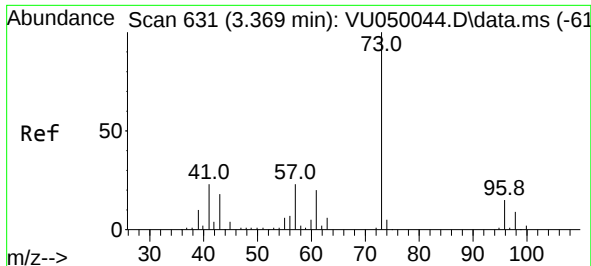
Tgt Ion: 43 Resp: 13864
Ion Ratio Lower Upper
43 100
74 25.8 21.6 32.4



#16
Methylene chloride
Concen: 5.608 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion: 84 Resp: 36090
Ion Ratio Lower Upper
84 100
86 62.9 45.2 84.0
49 116.6 77.6 144.0





#17

Methyl tert-butyl Ether

Concen: 7.205 ug/L

RT: 3.372 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

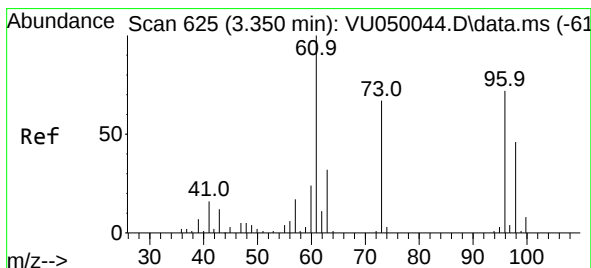
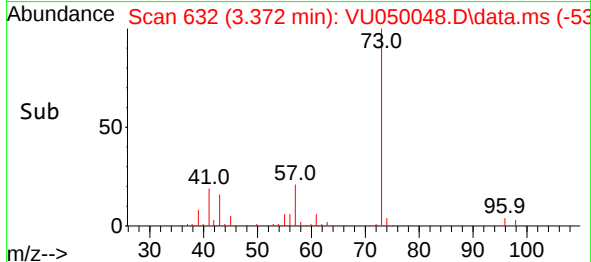
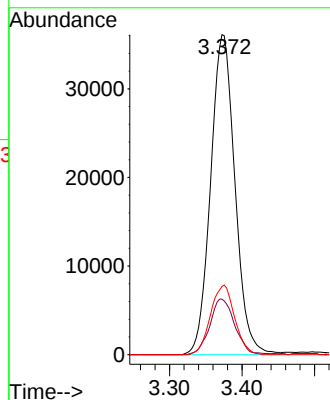
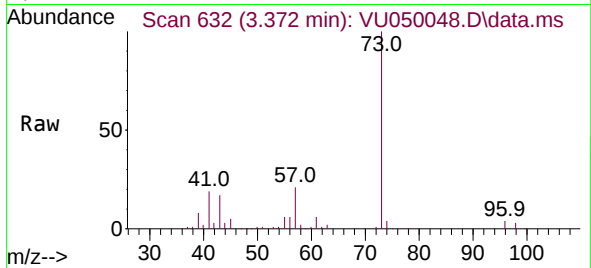
Tgt Ion: 73 Resp: 84293

Ion Ratio Lower Upper

73 100

43 17.9 13.8 20.6

57 21.5 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.854 ug/L

RT: 3.343 min Scan# 623

Delta R.T. -0.006 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

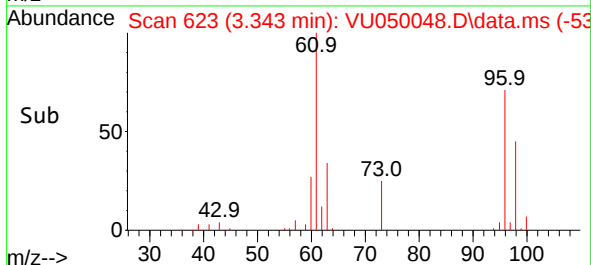
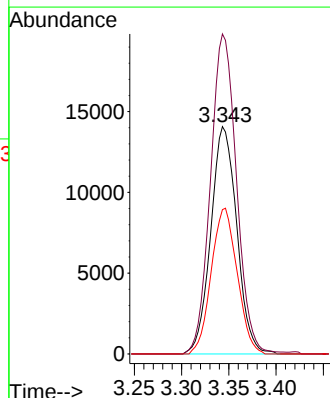
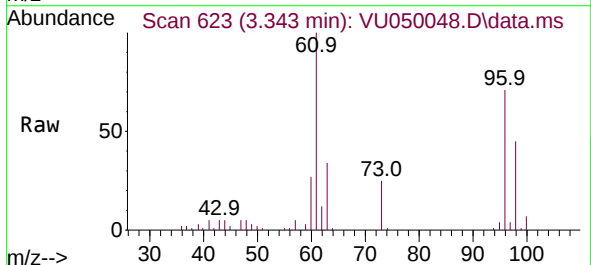
Tgt Ion: 96 Resp: 26928

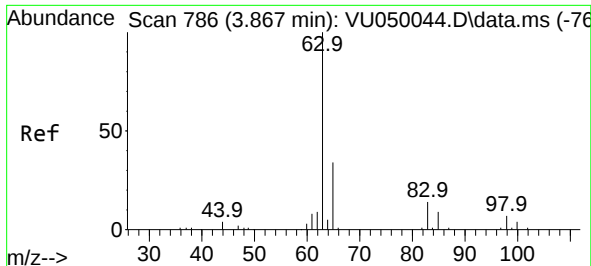
Ion Ratio Lower Upper

96 100

61 140.8 98.0 182.0

98 63.5 44.5 82.7





#19

1,1-Dichloroethane

Concen: 6.132 ug/L

RT: 3.864 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

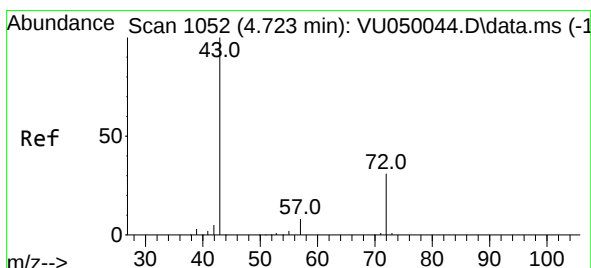
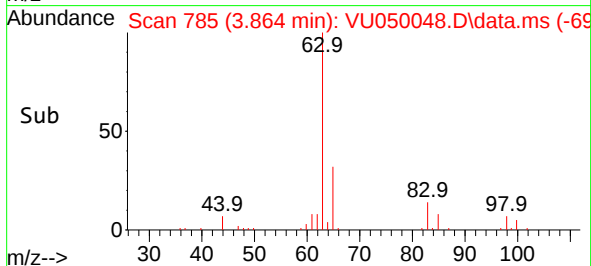
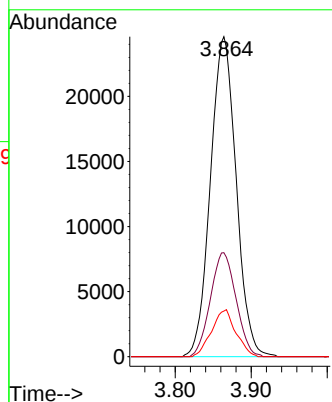
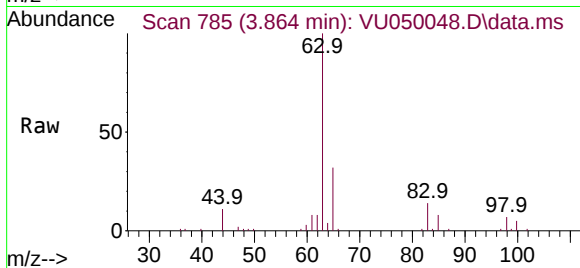
Tgt Ion: 63 Resp: 57868

Ion Ratio Lower Upper

63 100

65 32.5 23.4 43.6

83 14.3 9.4 17.4



#21

2-Butanone

Concen: 54.822 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.013 min

Lab File: VU050048.D

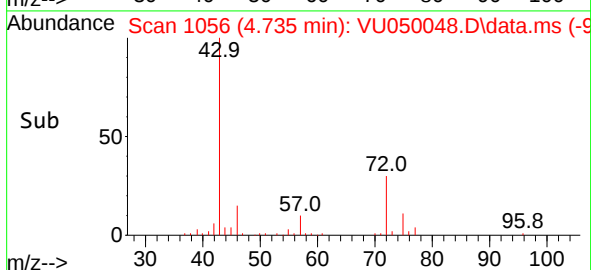
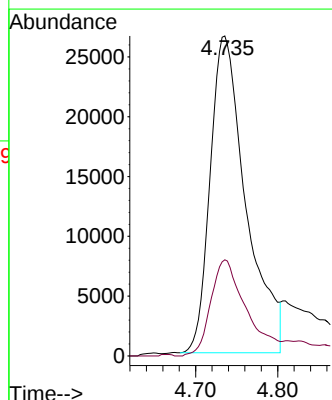
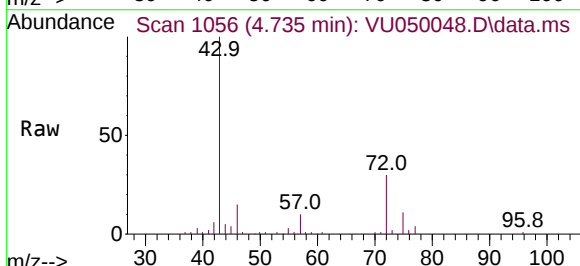
Acq: 02 Aug 2022 16:45

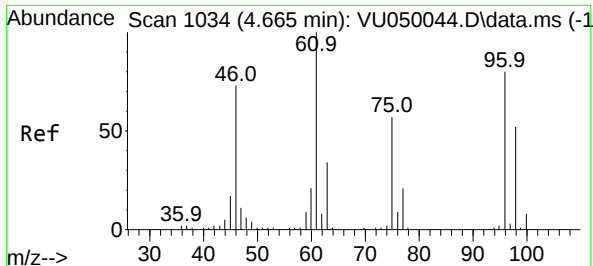
Tgt Ion: 43 Resp: 80439

Ion Ratio Lower Upper

43 100

72 30.2 15.8 47.3





#22

cis-1,2-Dichloroethene

Concen: 5.923 ug/L

RT: 4.665 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

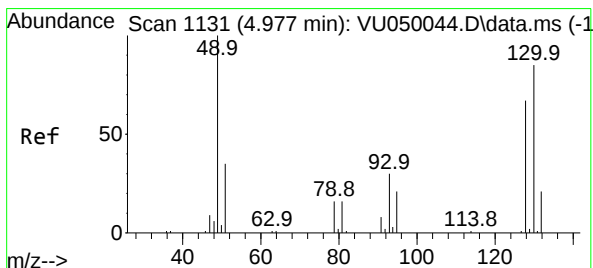
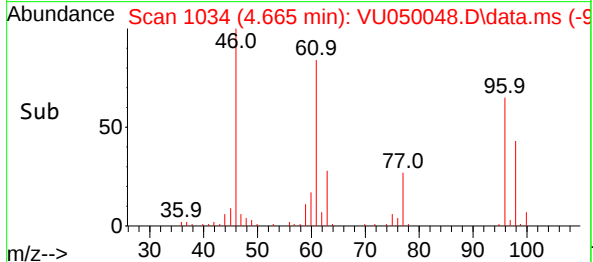
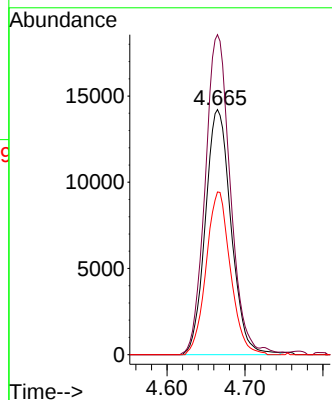
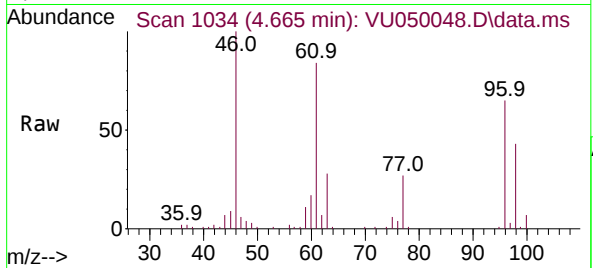
Tgt Ion: 96 Resp: 32565

Ion Ratio Lower Upper

96 100

61 130.6 87.2 161.9

98 66.4 44.7 83.1



#23

Bromochloromethane

Concen: 6.213 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Tgt Ion: 128 Resp: 15643

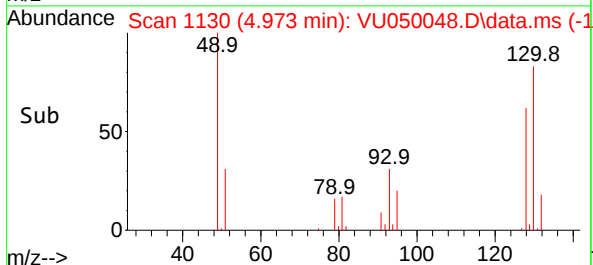
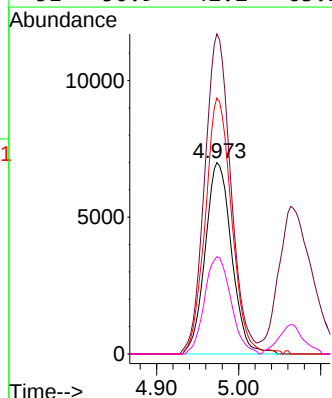
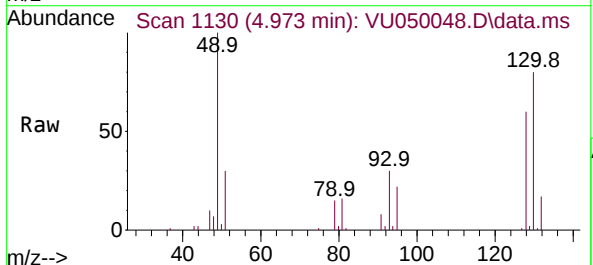
Ion Ratio Lower Upper

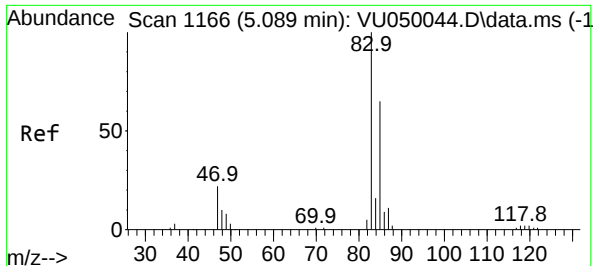
128 100

49 167.3 111.4 207.0

130 133.8 88.7 164.7

51 50.9 42.2 63.2





#25

Chloroform

Concen: 5.986 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

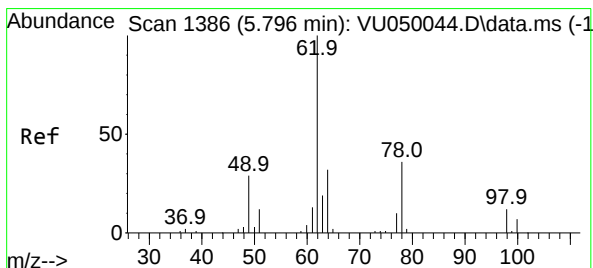
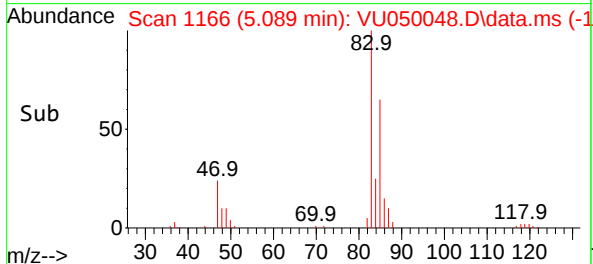
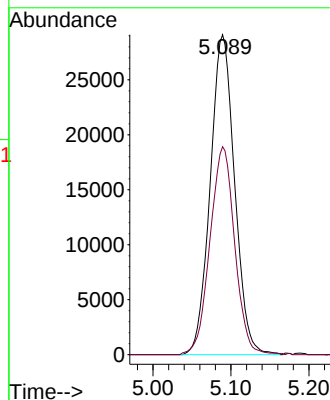
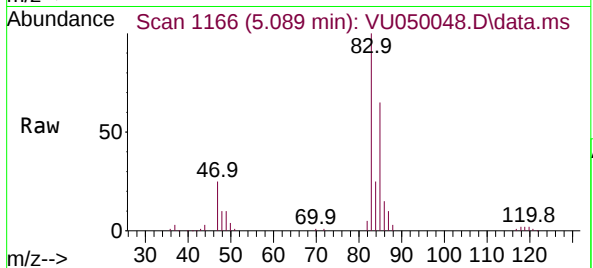
VSTD005143

Tgt Ion: 83 Resp: 63302

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4



#27

1,2-Dichloroethane

Concen: 6.365 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU050048.D

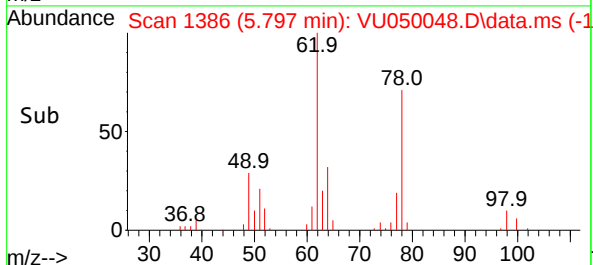
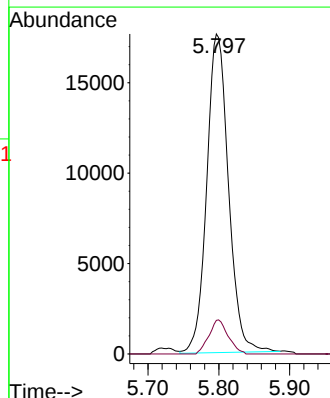
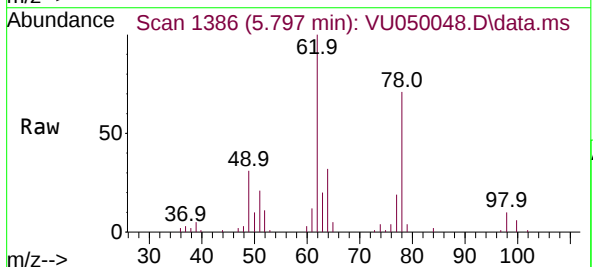
Acq: 02 Aug 2022 16:45

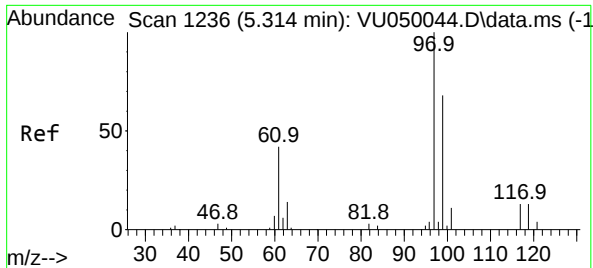
Tgt Ion: 62 Resp: 37565

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 5.766 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

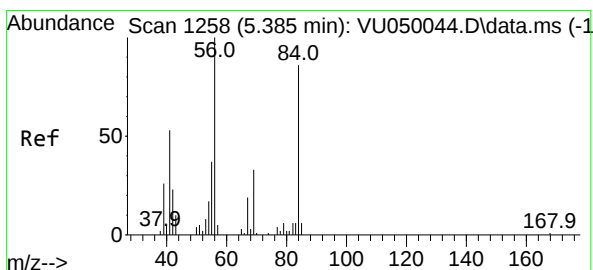
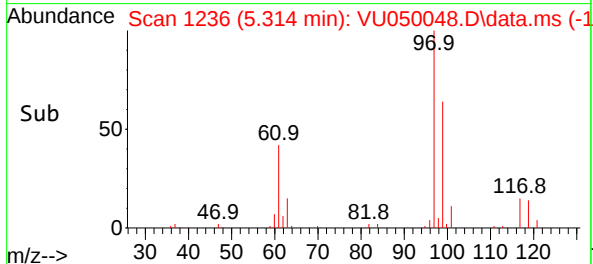
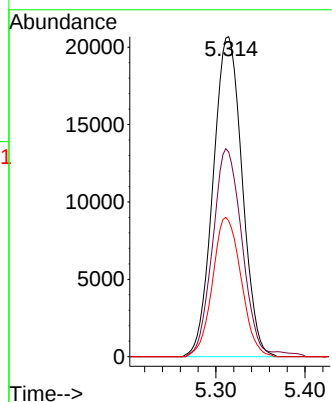
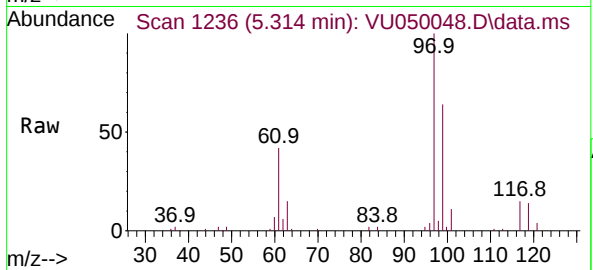
Tgt Ion: 97 Resp: 46891

Ion Ratio Lower Upper

97 100

99 66.4 52.0 78.0

61 42.7 35.0 52.6



#30

Cyclohexane

Concen: 4.787 ug/L

RT: 5.379 min Scan# 1256

Delta R.T. -0.006 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

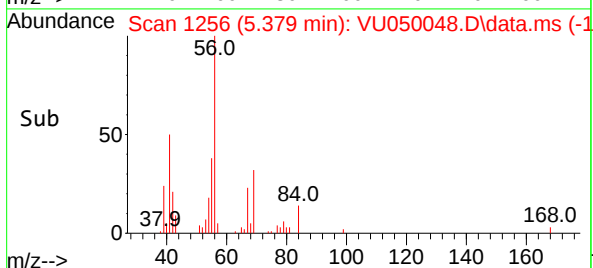
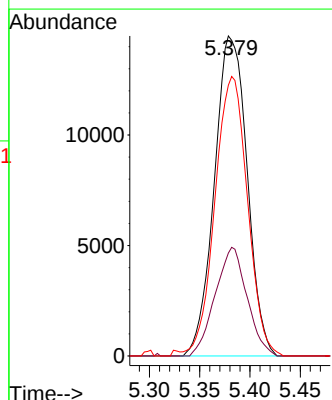
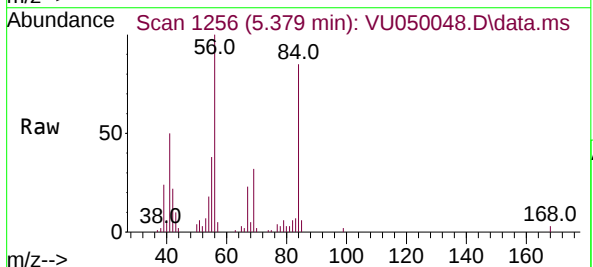
Tgt Ion: 56 Resp: 32861

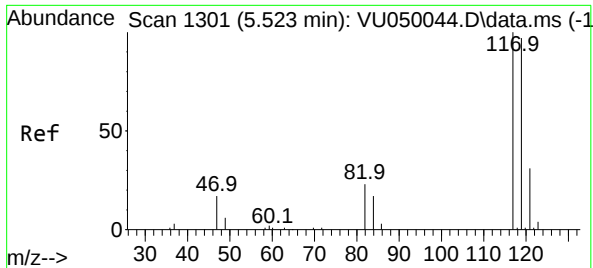
Ion Ratio Lower Upper

56 100

69 32.9 25.1 37.7

84 86.8 70.1 105.1

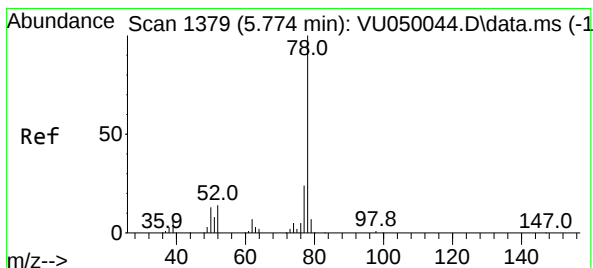
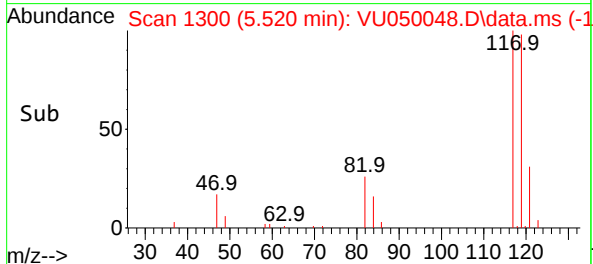
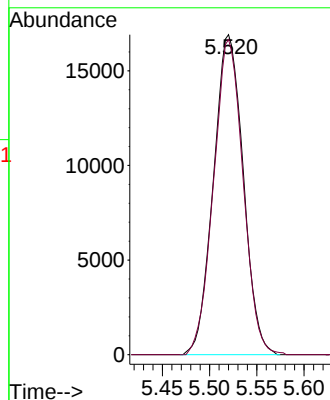
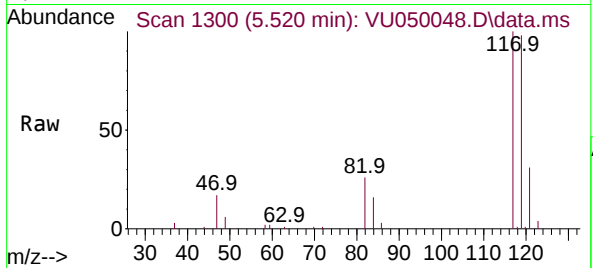




#31
Carbon tetrachloride
Concen: 5.610 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

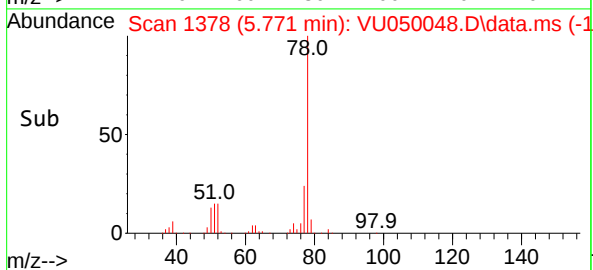
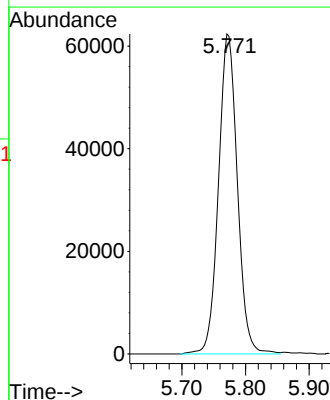
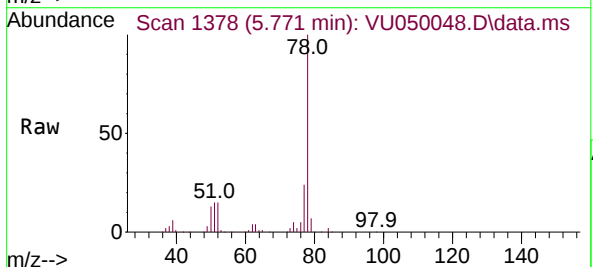
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

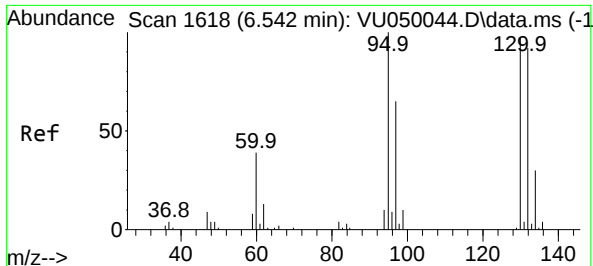
Tgt Ion:117 Resp: 37057
Ion Ratio Lower Upper
117 100
119 97.5 77.8 116.6



#33
Benzene
Concen: 5.746 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion: 78 Resp: 128447



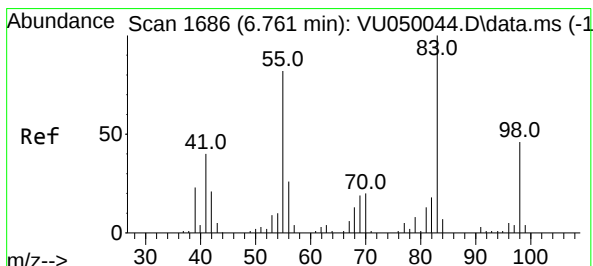
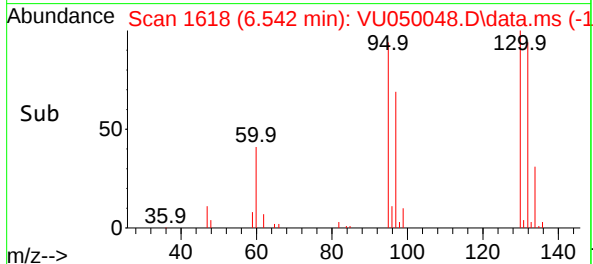
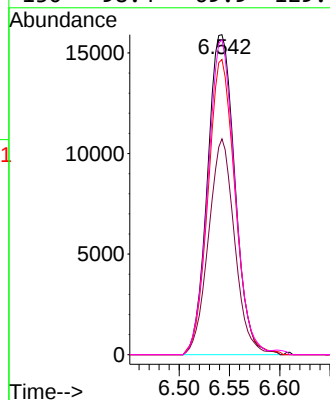
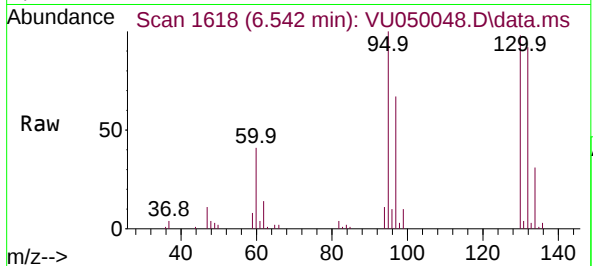


#34
Trichloroethene
Concen: 5.549 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

Tgt Ion: 95 Resp: 30151

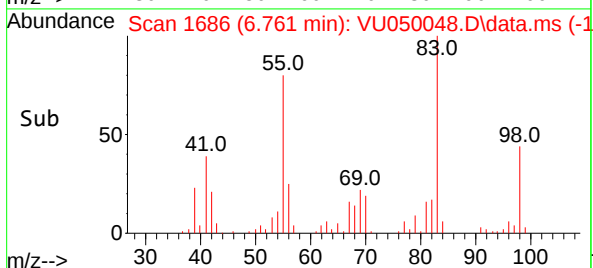
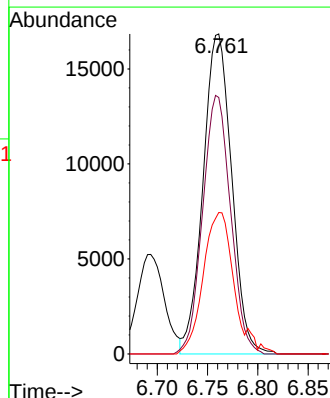
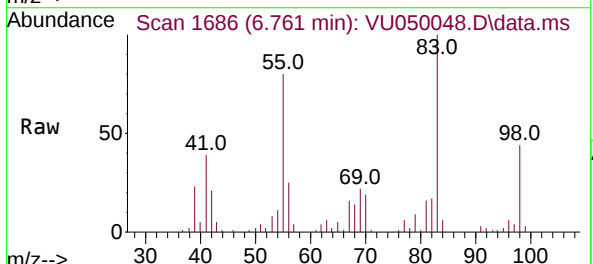
Ion	Ratio	Lower	Upper
95	100		
97	67.5	45.6	84.8
132	92.3	66.8	124.2
130	98.4	69.9	129.7

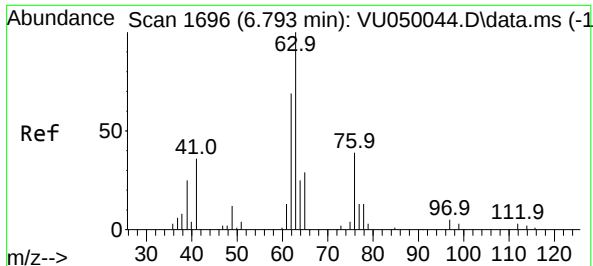


#35
Methylcyclohexane
Concen: 4.657 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion: 83 Resp: 33374

Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.6	92.4
98	47.5	34.8	52.2





#37

1,2-Dichloropropane

Concen: 5.985 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

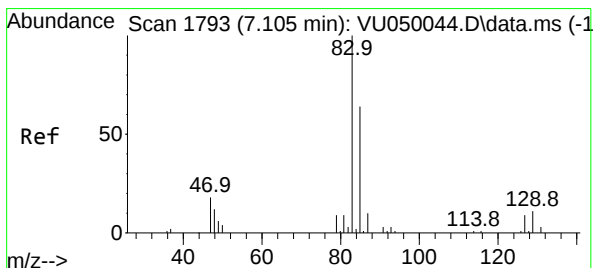
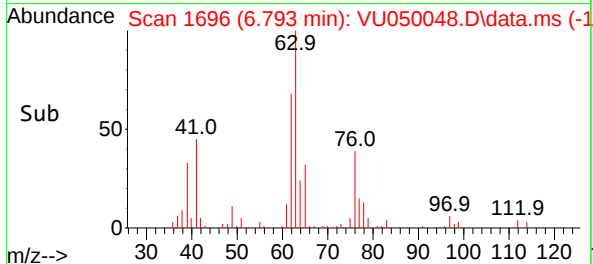
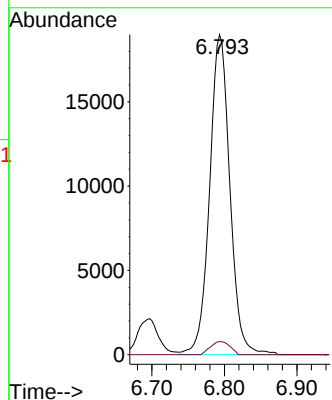
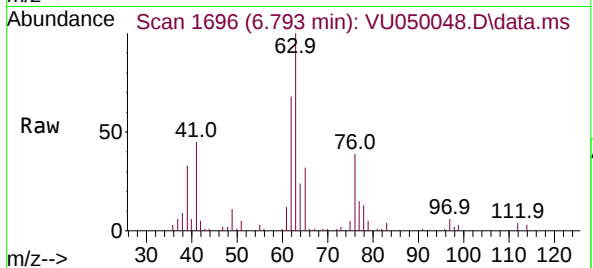
VSTD005143

Tgt Ion: 63 Resp: 36871

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 6.136 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

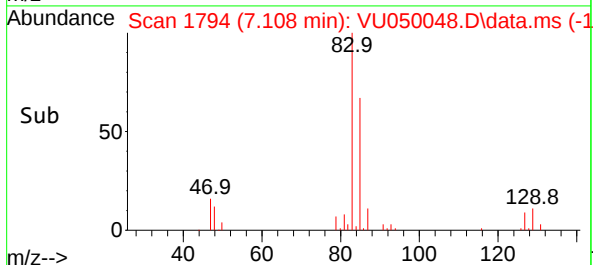
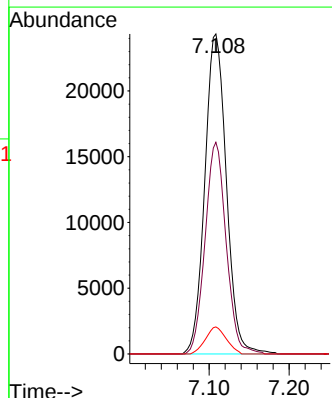
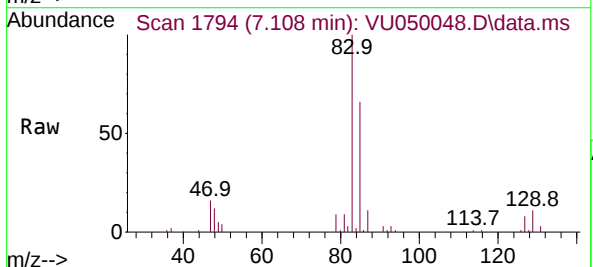
Tgt Ion: 83 Resp: 45732

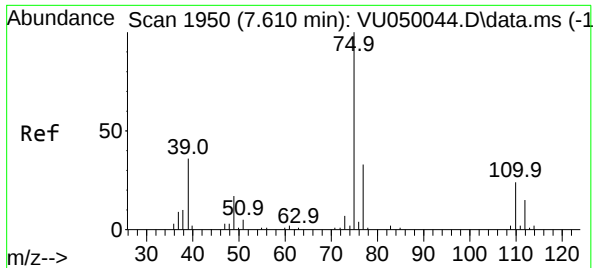
Ion Ratio Lower Upper

83 100

85 66.1 44.9 83.5

127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.662 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

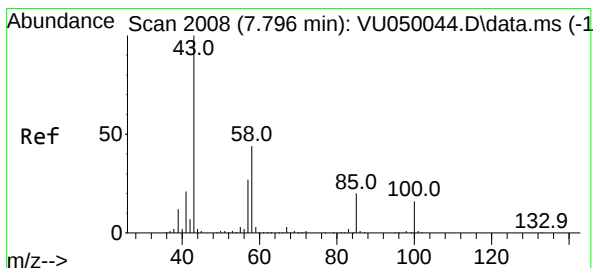
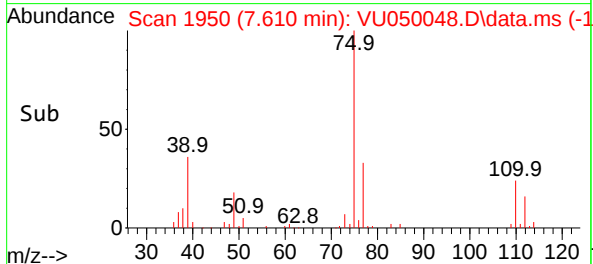
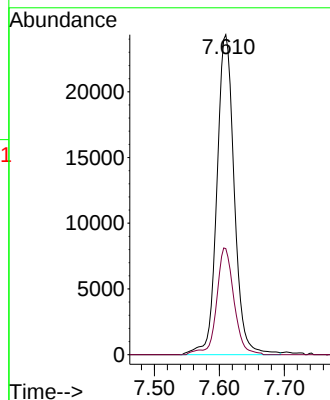
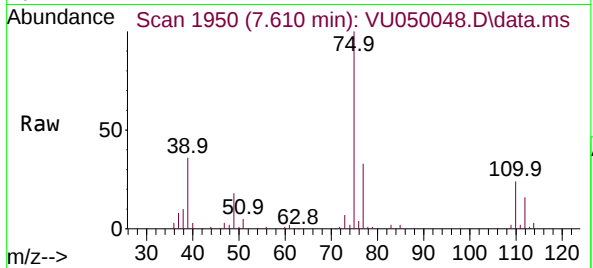
VSTD005143

Tgt Ion: 75 Resp: 45133

Ion Ratio Lower Upper

75 100

77 33.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 62.922 ug/L

RT: 7.800 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

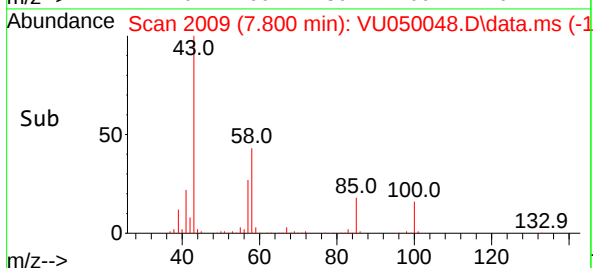
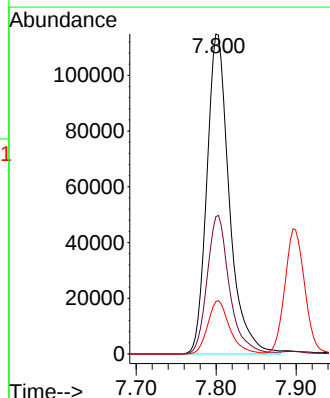
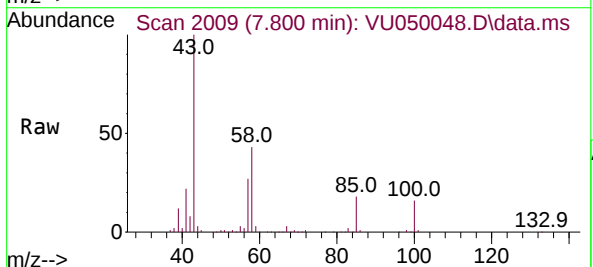
Tgt Ion: 43 Resp: 223958

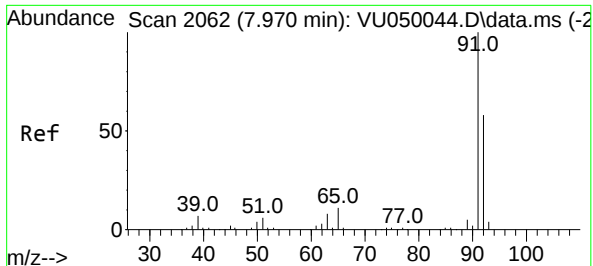
Ion Ratio Lower Upper

43 100

58 43.1 35.5 53.3

100 16.4 13.2 19.8





#42

Toluene

Concen: 5.883 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

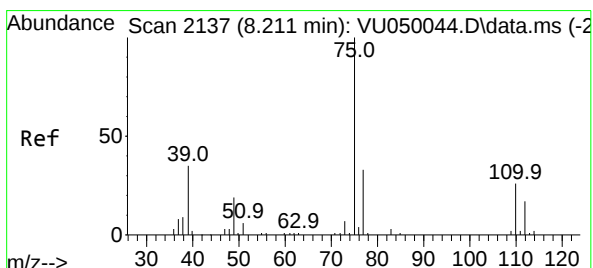
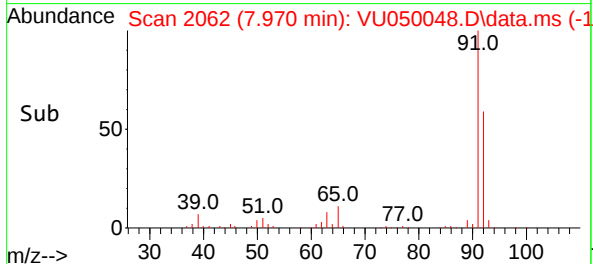
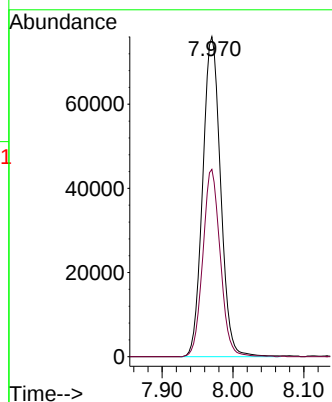
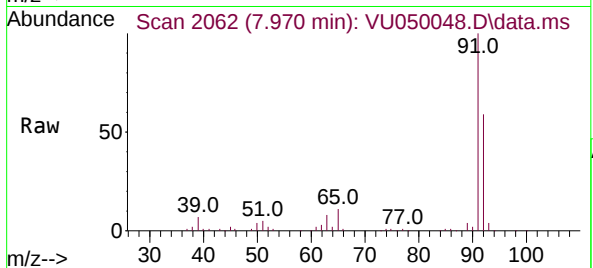
VSTD005143

Tgt Ion: 91 Resp: 133710

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 6.006 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU050048.D

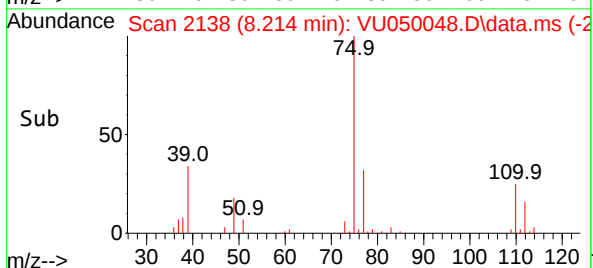
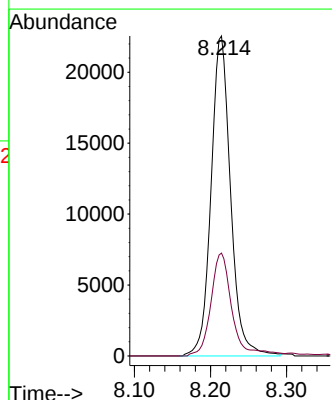
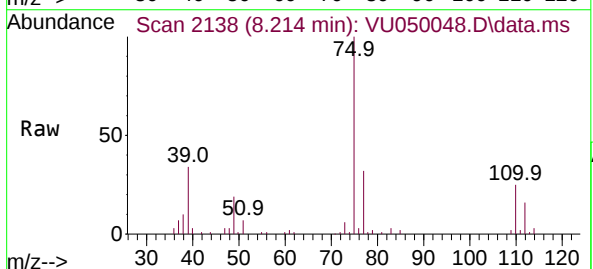
Acq: 02 Aug 2022 16:45

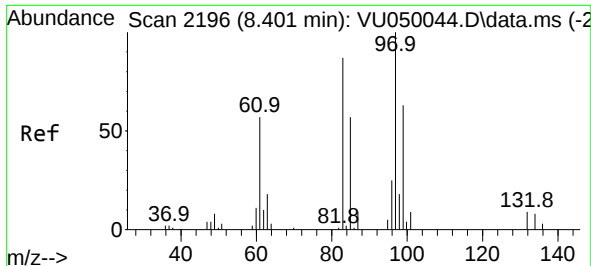
Tgt Ion: 75 Resp: 40207

Ion Ratio Lower Upper

75 100

77 32.2 24.1 44.8

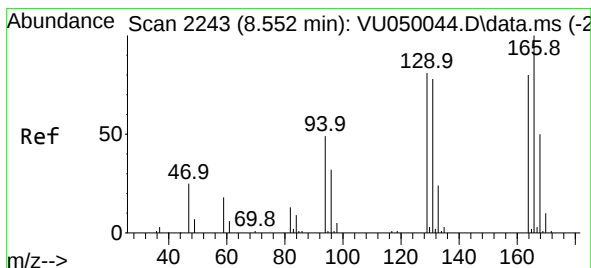
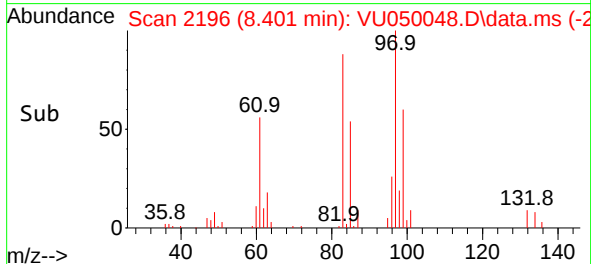
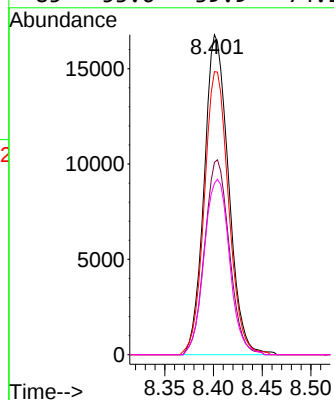
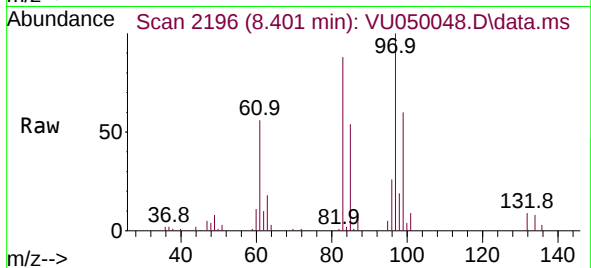




#45
1,1,2-Trichloroethane
Concen: 6.339 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

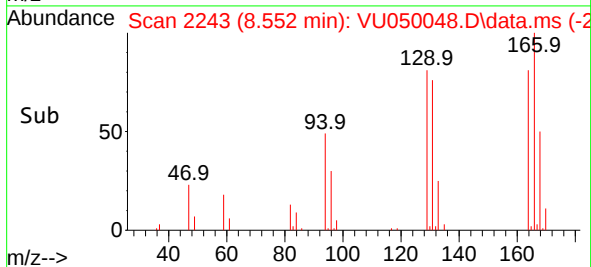
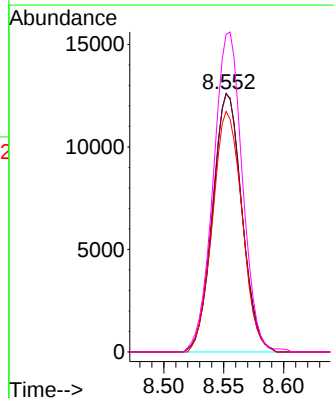
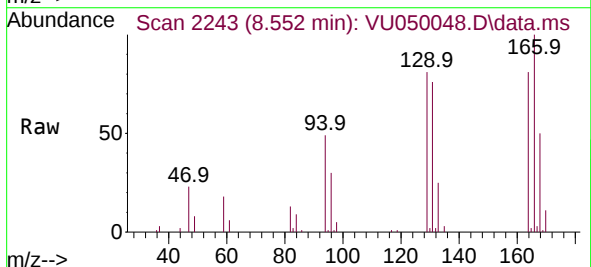
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

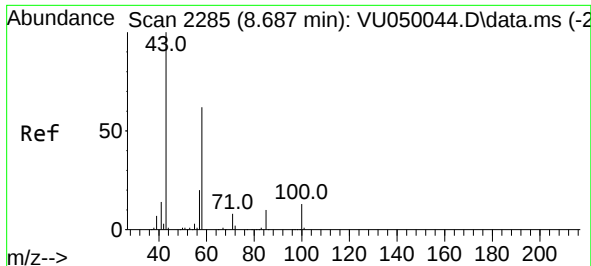
Tgt Ion:	97	Resp:	29176
Ion	Ratio	Lower	Upper
97	100		
99	60.1	43.5	80.9
83	88.4	59.9	111.3
85	53.6	39.9	74.1



#47
Tetrachloroethene
Concen: 5.453 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion:	164	Resp:	21324
Ion	Ratio	Lower	Upper
164	100		
129	99.7	66.3	123.1
131	93.0	63.1	117.1
166	122.9	84.6	157.0

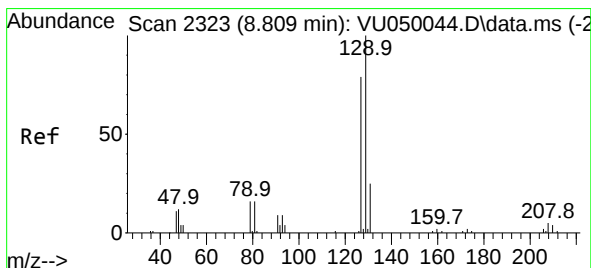
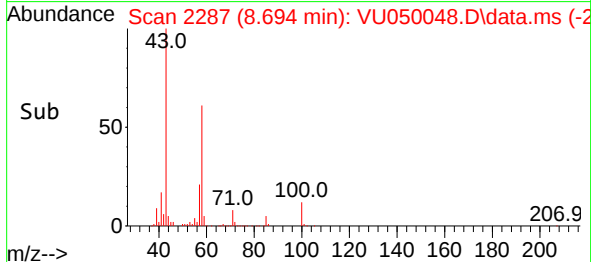
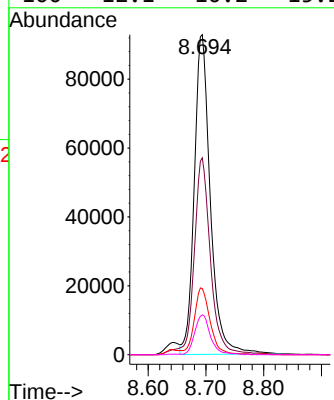
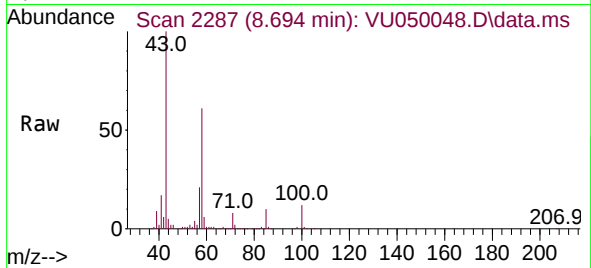




#48
2-Hexanone
Concen: 66.342 ug/L
RT: 8.694 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

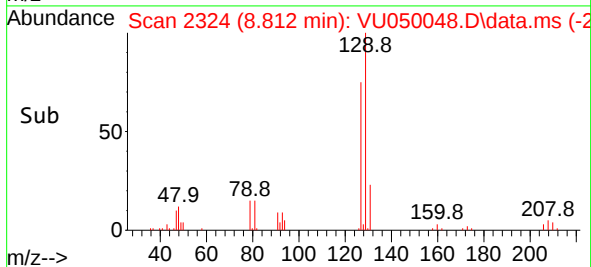
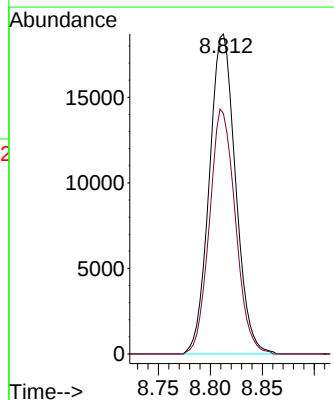
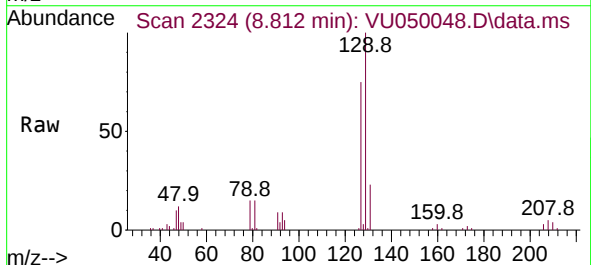
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

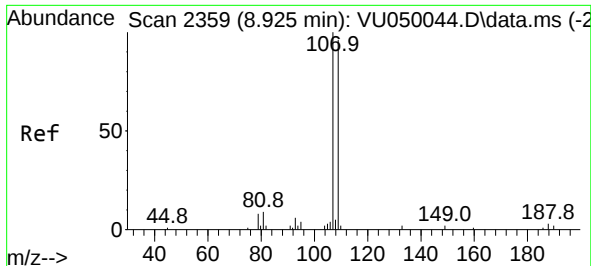
Tgt Ion: 43	Resp: 180002
Ion Ratio	Lower Upper
43 100	
58 62.4	49.4 74.0
57 20.0	17.0 25.4
100 12.1	10.2 15.2



#49
Dibromochloromethane
Concen: 6.529 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion:129	Resp:	32886	
Ion	Ratio	Lower	Upper
129	100		
127	75.2	54.5	101.1





#50

1,2-Dibromoethane

Concen: 6.419 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

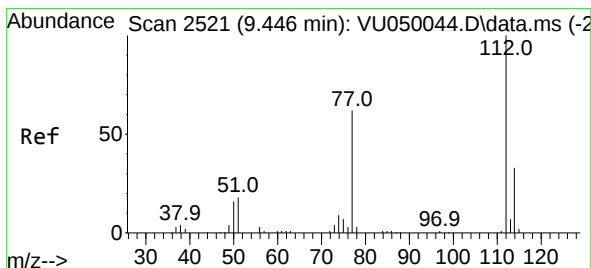
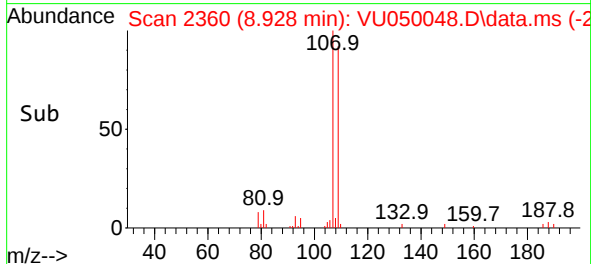
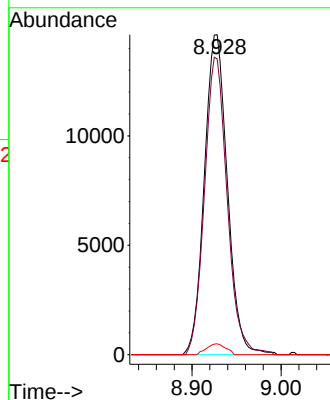
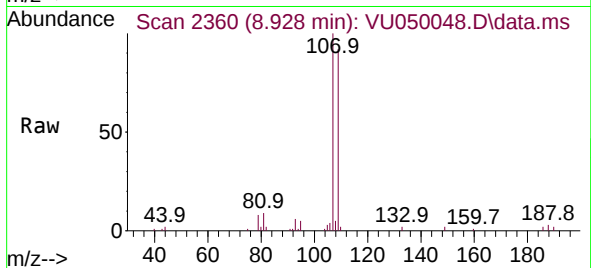
Tgt Ion:107 Resp: 26237

Ion Ratio Lower Upper

107 100

109 92.4 62.7 116.5

188 3.4 2.4 3.6



#51

Chlorobenzene

Concen: 5.773 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

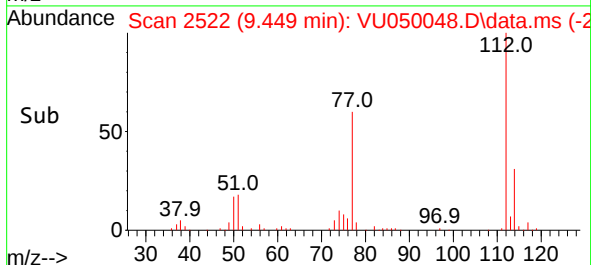
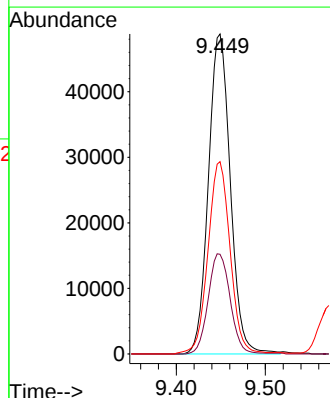
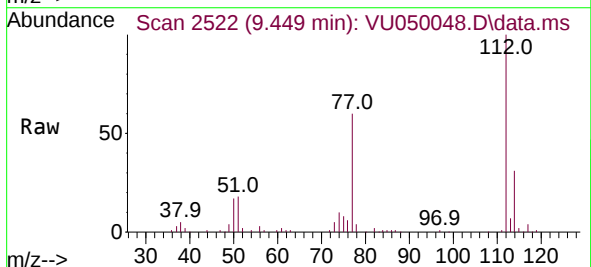
Tgt Ion:112 Resp: 83293

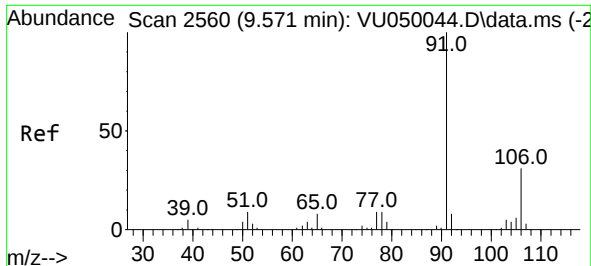
Ion Ratio Lower Upper

112 100

114 31.2 22.4 41.6

77 60.1 48.2 72.4

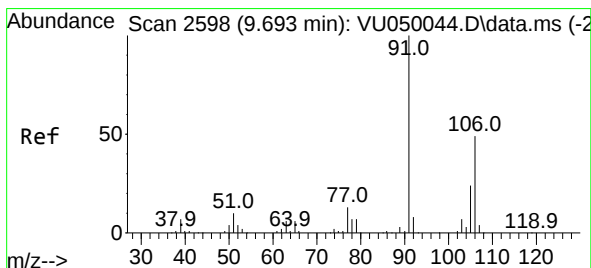
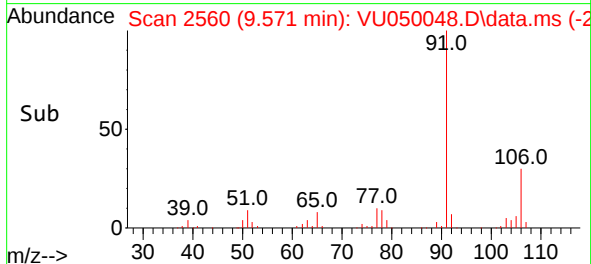
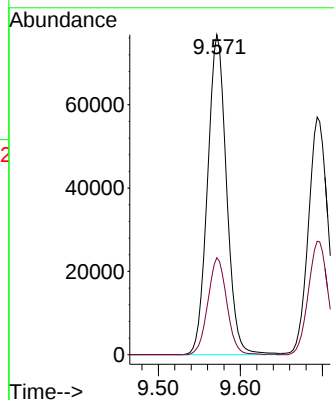
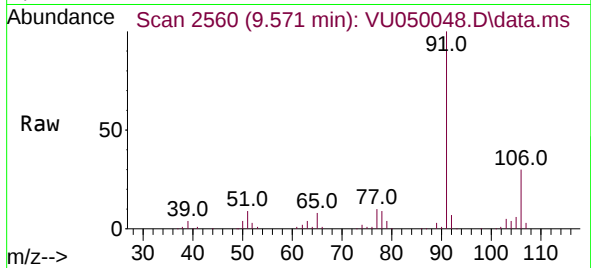




#52
Ethylbenzene
Concen: 5.544 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

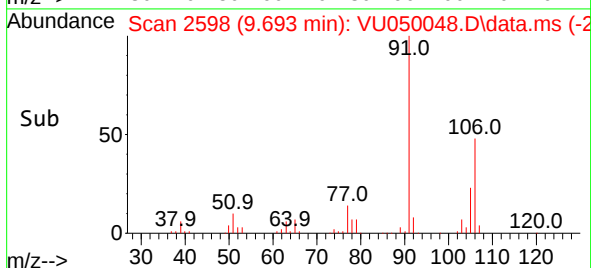
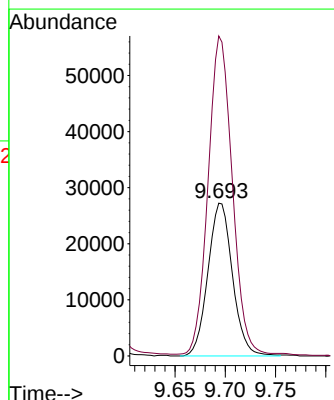
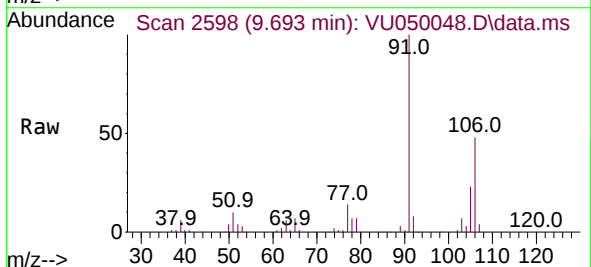
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

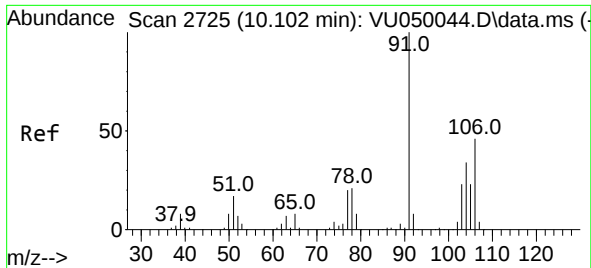
Tgt Ion: 91 Resp: 123437
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.0



#53
m,p-Xylene
Concen: 5.465 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion: 106 Resp: 46330
Ion Ratio Lower Upper
106 100
91 209.5 142.4 264.4

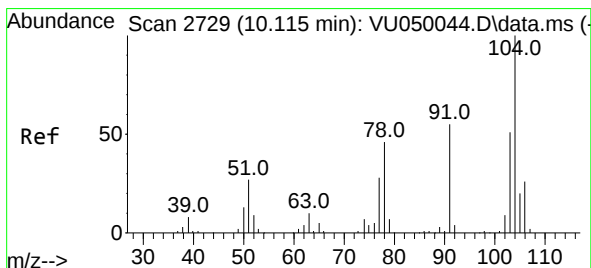
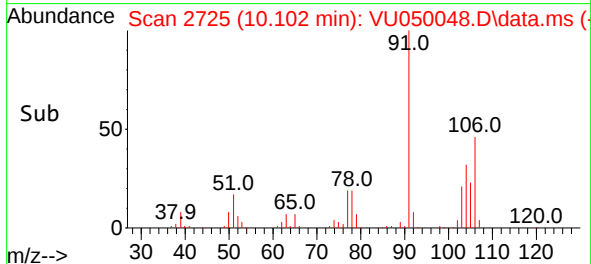
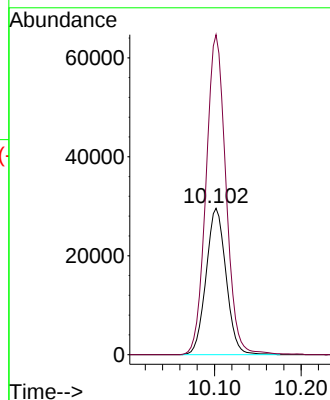
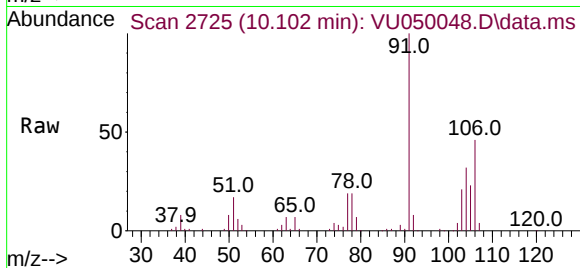




#54
o-Xylene
Concen: 5.783 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

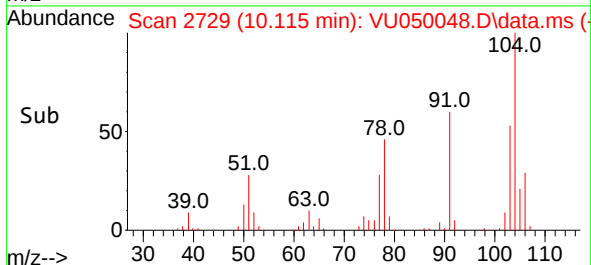
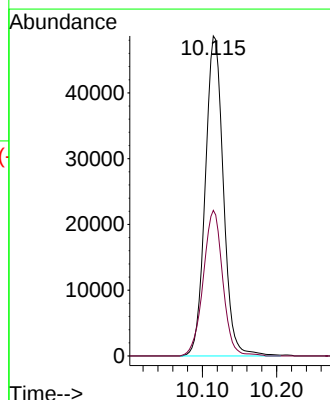
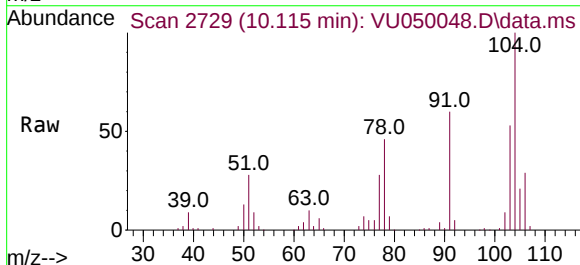
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

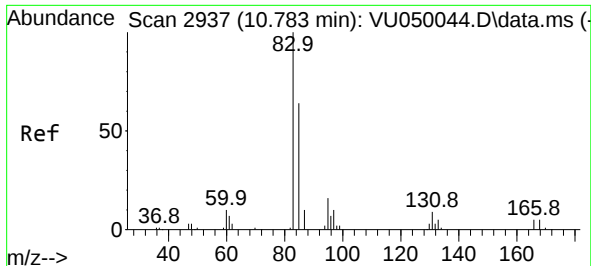
Tgt Ion:106 Resp: 47538
Ion Ratio Lower Upper
106 100
91 218.5 148.7 276.1



#55
Styrene
Concen: 5.889 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion:104 Resp: 82443
Ion Ratio Lower Upper
104 100
78 45.5 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 6.539 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005143

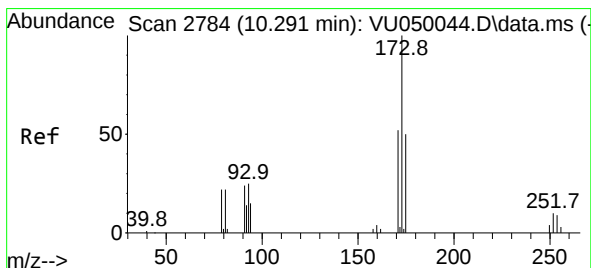
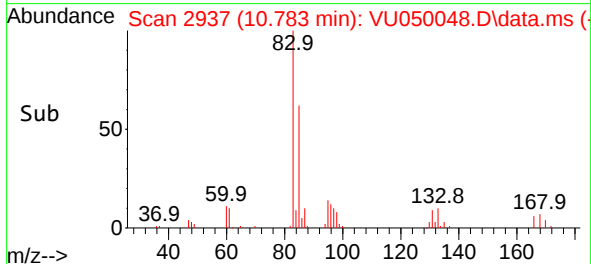
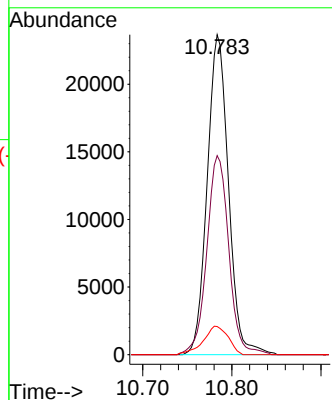
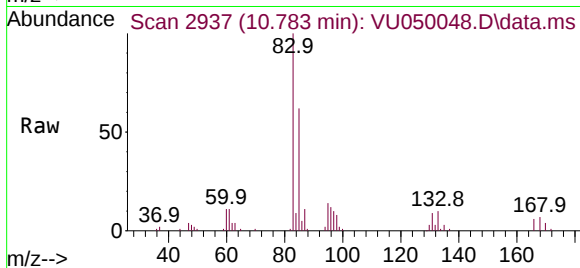
Tgt Ion: 83 Resp: 39176

Ion Ratio Lower Upper

83 100

85 62.2 46.6 86.6

131 8.8 7.9 11.9



#59

Bromoform

Concen: 6.469 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

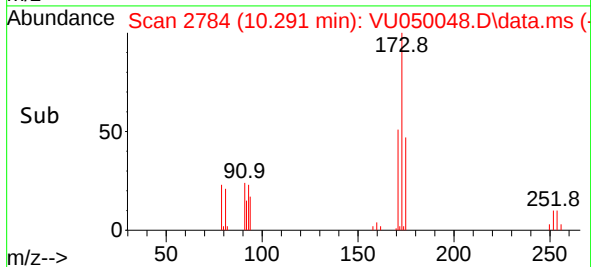
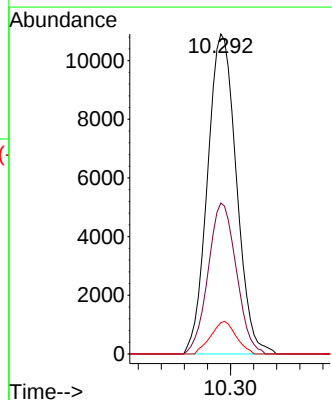
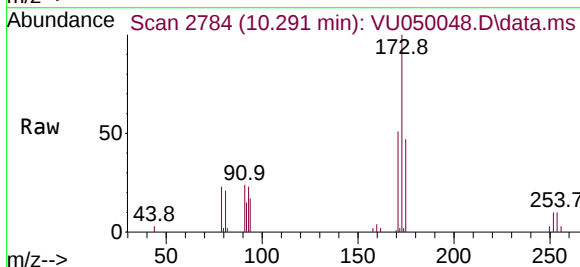
Tgt Ion: 173 Resp: 18910

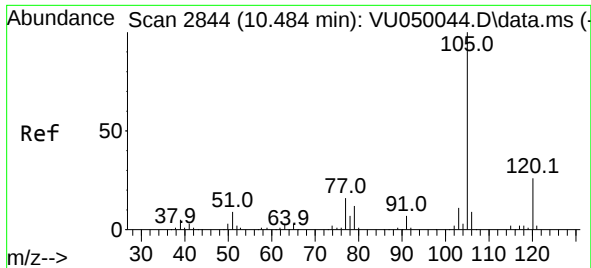
Ion Ratio Lower Upper

173 100

175 46.0 39.1 58.7

254 8.9 7.5 11.3

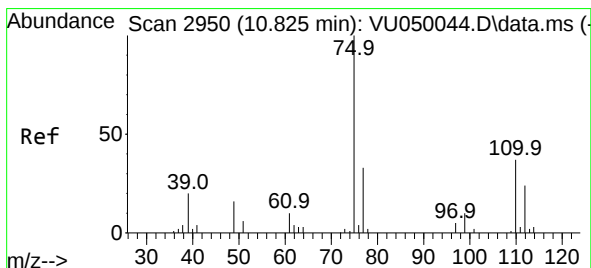
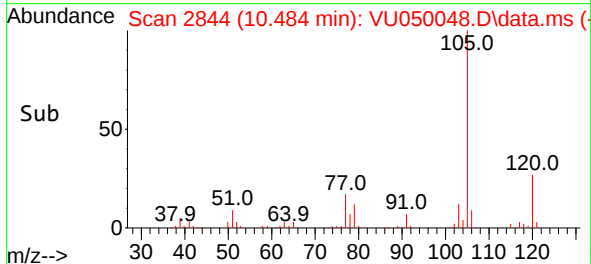
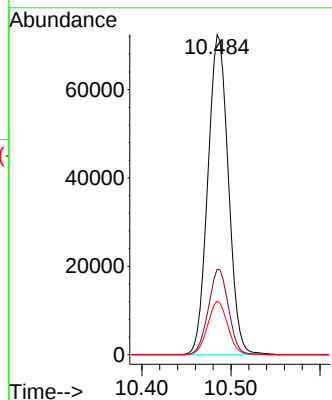
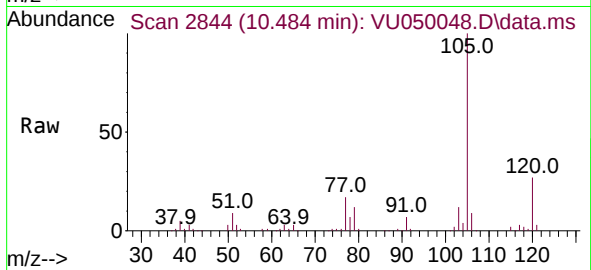




#60
Isopropylbenzene
Concen: 5.371 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

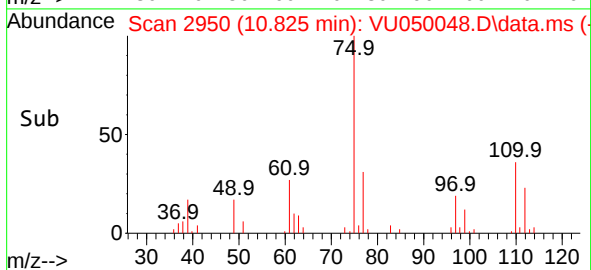
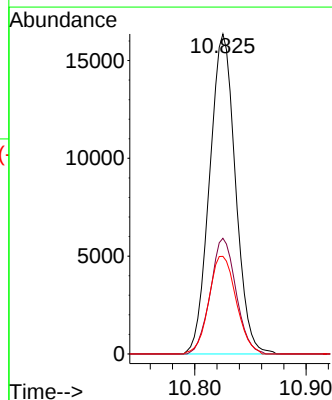
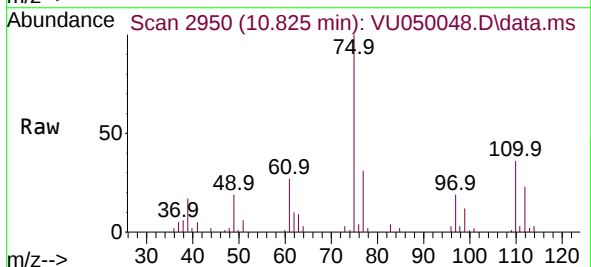
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

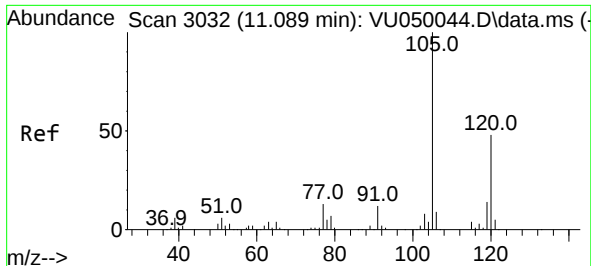
Tgt Ion:105 Resp: 115375
Ion Ratio Lower Upper
105 100
120 26.2 20.5 30.7
77 16.4 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 6.237 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion: 75 Resp: 26339
Ion Ratio Lower Upper
75 100
110 35.9 28.1 42.1
77 32.4 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.144 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050048.D

Acq: 02 Aug 2022 16:45

Instrument :

MSVOA_U

ClientSampleId :

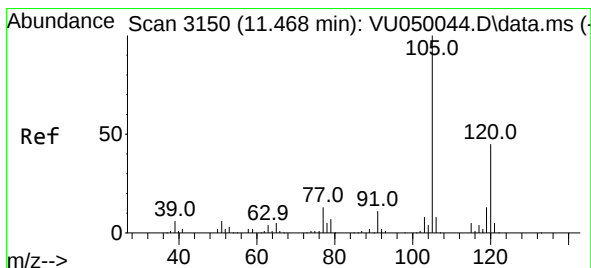
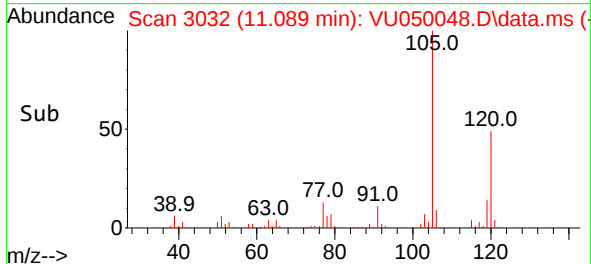
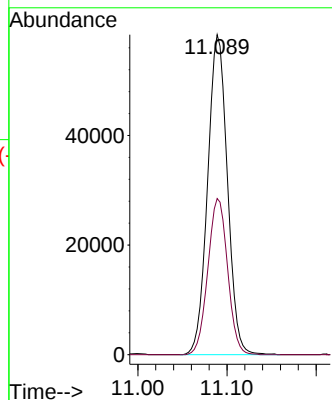
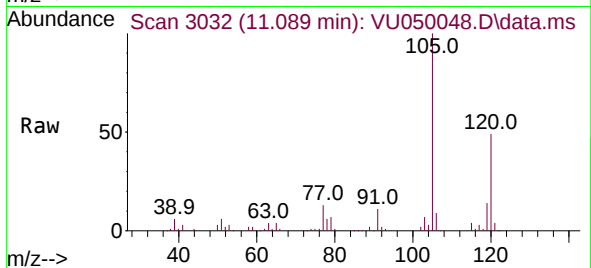
VSTD005143

Tgt Ion:105 Resp: 89773

Ion Ratio Lower Upper

105 100

120 48.7 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 5.277 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050048.D

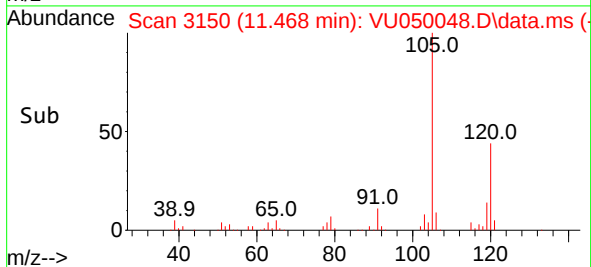
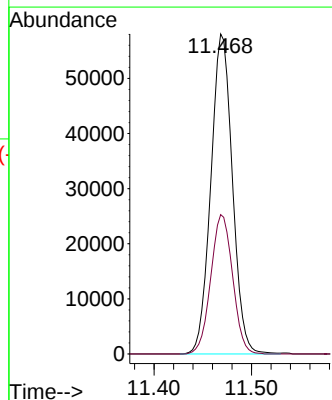
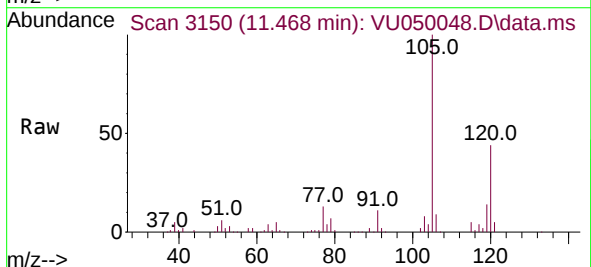
Acq: 02 Aug 2022 16:45

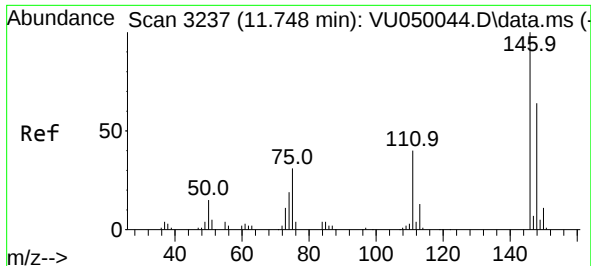
Tgt Ion:105 Resp: 89258

Ion Ratio Lower Upper

105 100

120 44.0 35.4 53.2

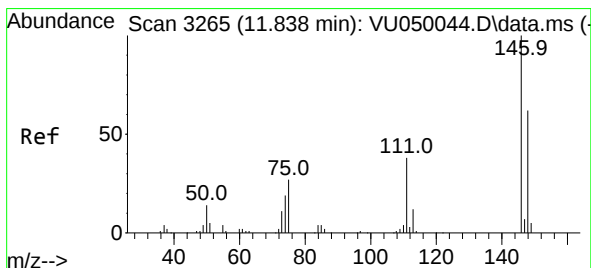
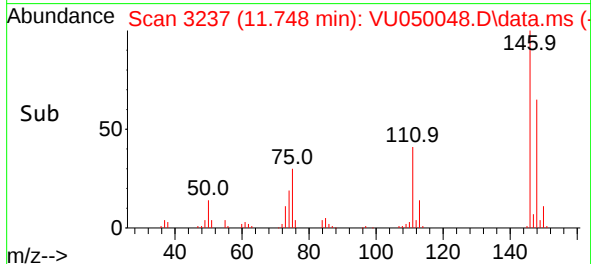
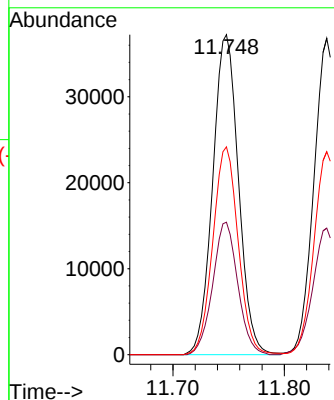
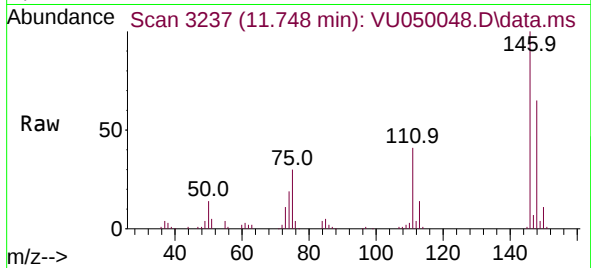




#64
1,3-Dichlorobenzene
Concen: 5.818 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

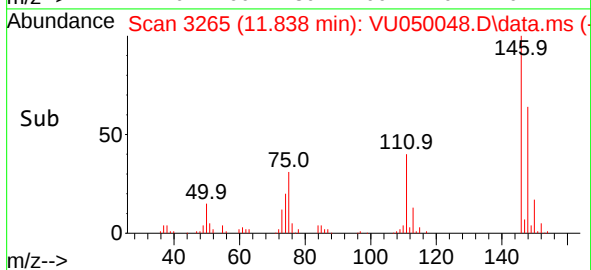
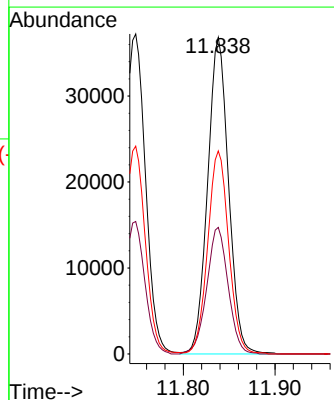
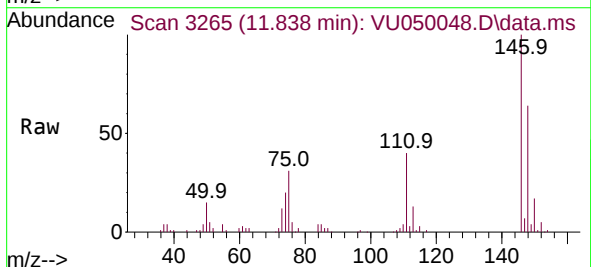
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

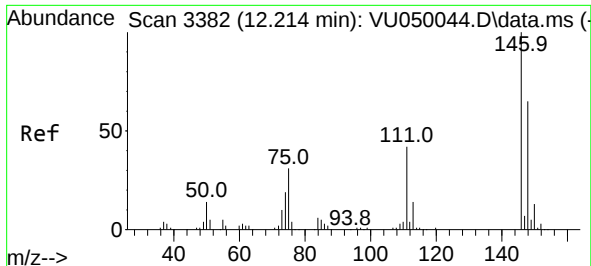
Tgt Ion:146 Resp: 59841
Ion Ratio Lower Upper
146 100
111 41.4 28.9 53.7
148 64.9 45.9 85.3



#65
1,4-Dichlorobenzene
Concen: 5.739 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion:146 Resp: 58413
Ion Ratio Lower Upper
146 100
111 40.0 26.4 49.0
148 64.2 44.3 82.3

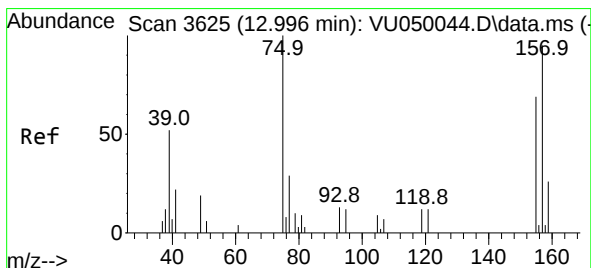
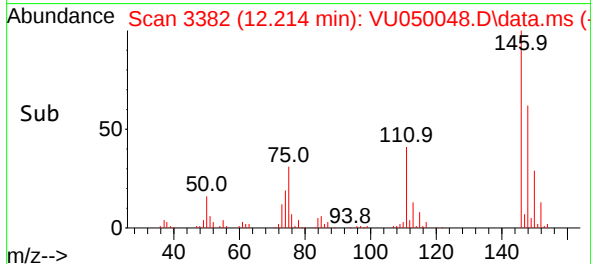
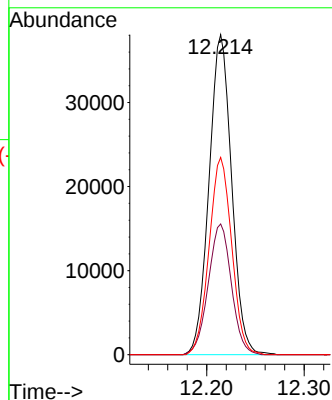
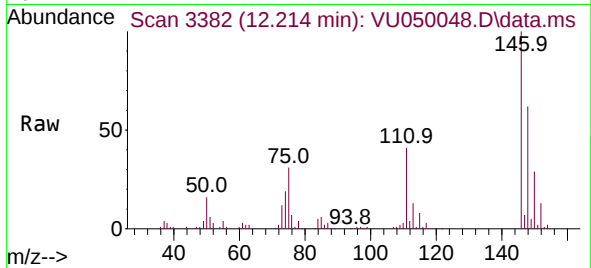




#67
1,2-Dichlorobenzene
Concen: 5.995 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

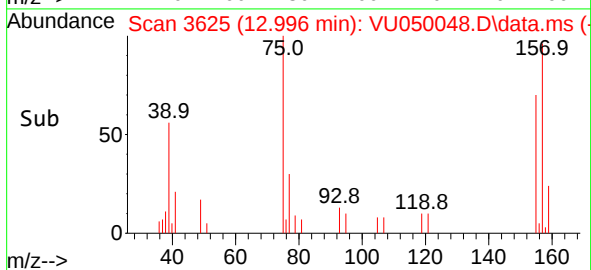
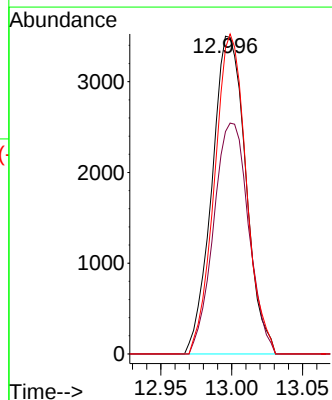
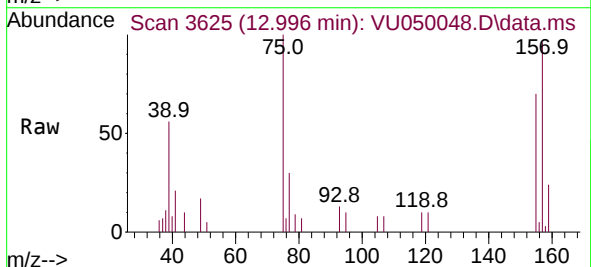
Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

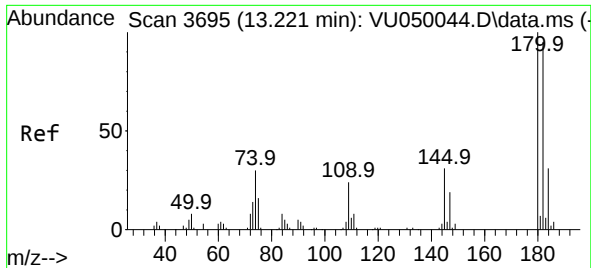
Tgt Ion:146 Resp: 61266
Ion Ratio Lower Upper
146 100
111 40.9 33.4 50.2
148 61.6 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 6.979 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion: 75 Resp: 5822
Ion Ratio Lower Upper
75 100
155 70.0 59.4 89.0
157 96.2 73.8 110.6

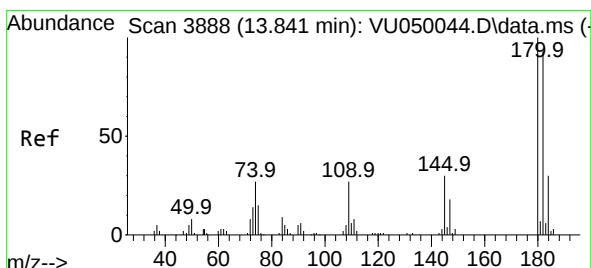
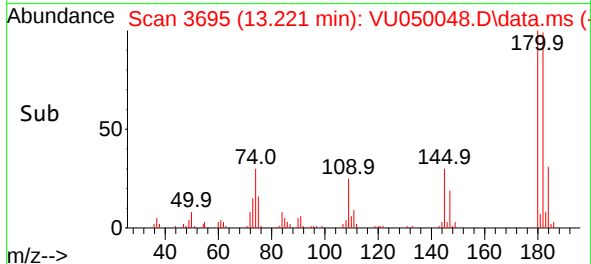
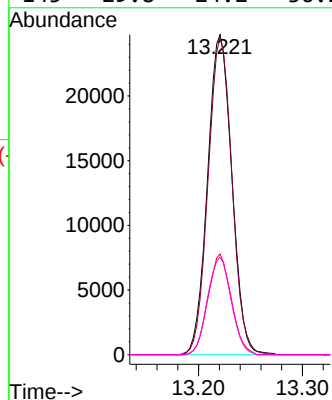
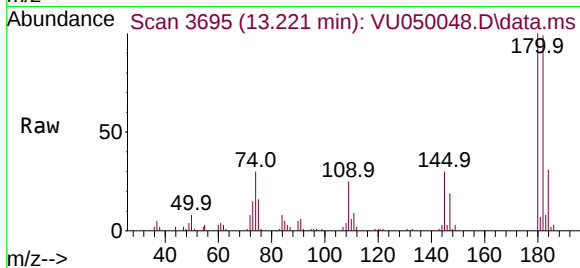




#69
 1,3,5-Trichlorobenzene
 Concen: 5.408 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU050048.D
 Acq: 02 Aug 2022 16:45

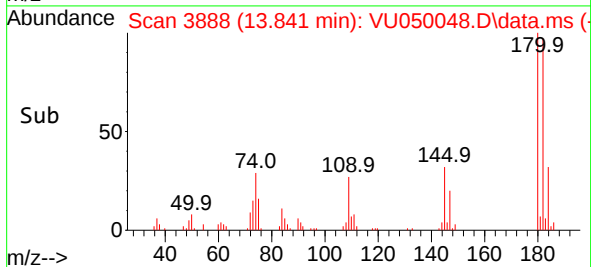
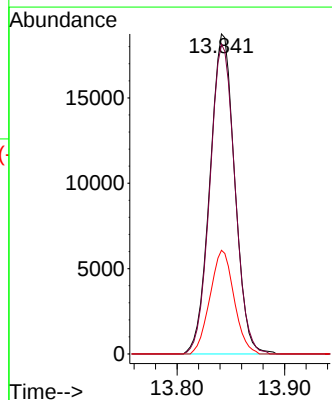
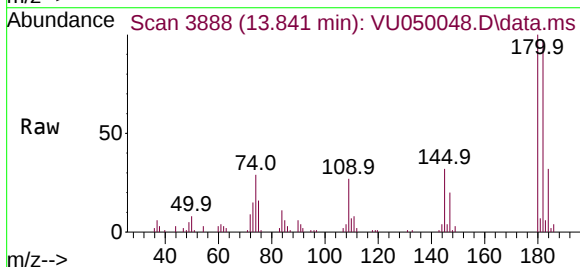
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005143

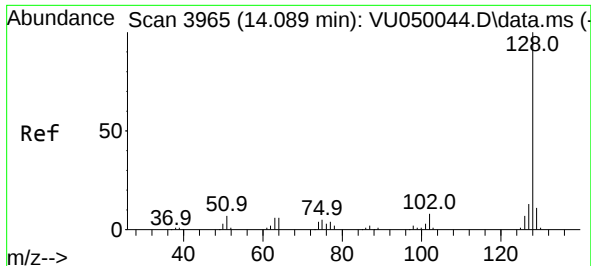
Tgt Ion:	180	Resp:	40109
Ion Ratio	Lower	Upper	
180	100		
182	97.3	77.2	115.8
184	30.2	23.9	35.9
145	29.8	24.2	36.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.067 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050048.D
 Acq: 02 Aug 2022 16:45

Tgt Ion:	180	Resp:	29978
Ion Ratio	Lower	Upper	
180	100		
182	97.3	75.8	113.6
145	31.4	23.8	35.8

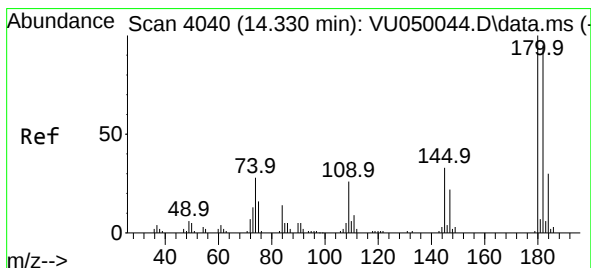
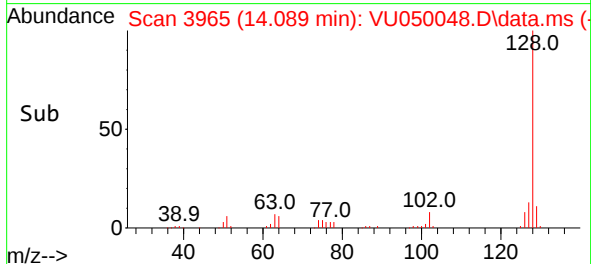
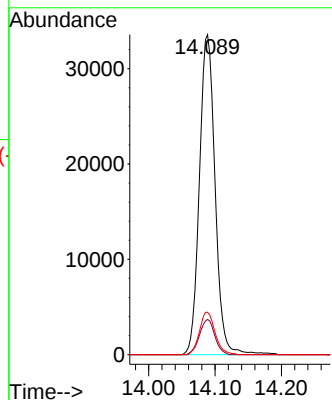
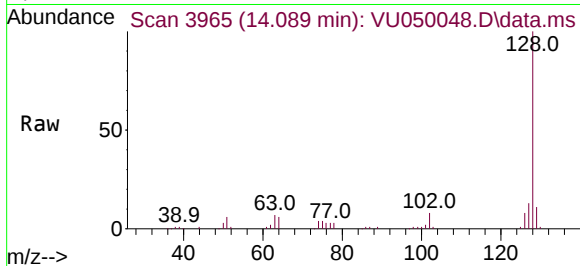




#71
Naphthalene
Concen: 4.719 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD005143

Tgt Ion:	128	Resp:	55357
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.5	12.7
127	13.3	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.390 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050048.D
Acq: 02 Aug 2022 16:45

Tgt Ion:	180	Resp:	31647
Ion Ratio	Lower	Upper	
180	100		
182	92.8	77.0	115.4
145	32.9	26.3	39.5

