

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051822\
 Data File : VU048621.D
 Acq On : 18 May 2022 18:04
 Operator : SY/MD
 Sample : N2849-09MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050133

Quant Time: May 19 06:06:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 19 06:01:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	238909	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	236467	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	142495	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	53311	36.432	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.860%
7) Chloroethane-d5	1.912	69	43456	39.639	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.280%
11) 1,1-Dichloroethene-d2	2.571	63	135379	40.908	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.820%
21) 2-Butanone-d5	4.620	46	125723	90.285	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.280%
24) Chloroform-d	5.063	84	169391	45.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.620%
26) 1,2-Dichloroethane-d4	5.700	65	118423	45.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.800%
32) Benzene-d6	5.729	84	284854	43.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.560%
36) 1,2-Dichloropropane-d6	6.690	67	83046	42.984	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.960%
41) Toluene-d8	7.899	98	274721	44.380	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.760%
43) trans-1,3-Dichloroprop...	8.179	79	52789	42.729	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.460%
47) 2-Hexanone-d5	8.629	63	94487	89.178	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.180%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	141815	44.360	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.720%
66) 1,2-Dichlorobenzene-d4	12.192	152	127772	43.863	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	111687	43.502	ug/L	99
3) Chloromethane	1.523	50	67942	42.889	ug/L	99
5) Vinyl chloride	1.604	62	72348	42.932	ug/L	98
6) Bromomethane	1.854	94	55153	45.335	ug/L	98
8) Chloroethane	1.932	64	44955	45.323	ug/L	100
9) Trichlorofluoromethane	2.137	101	152014	46.208	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	77917	46.448	ug/L	99
12) 1,1-Dichloroethene	2.581	96	72657	46.742	ug/L	93
13) Acetone	2.623	43	90317	79.833	ug/L	99
14) Carbon disulfide	2.793	76	196132	43.480	ug/L	99
15) Methyl Acetate	2.948	43	81393	42.155	ug/L	98
16) Methylene chloride	3.047	84	83860	46.341	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	79151	47.211	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	286899	49.323	ug/L	100
19) 1,1-Dichloroethane	3.870	63	146010	47.570	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	91944	48.630	ug/L	95
22) 2-Butanone	4.697	43	129412	90.091	ug/L	99
23) Bromochloromethane	4.973	128	52155	49.712	ug/L	92
25) Chloroform	5.089	83	192393	53.701	ug/L	100

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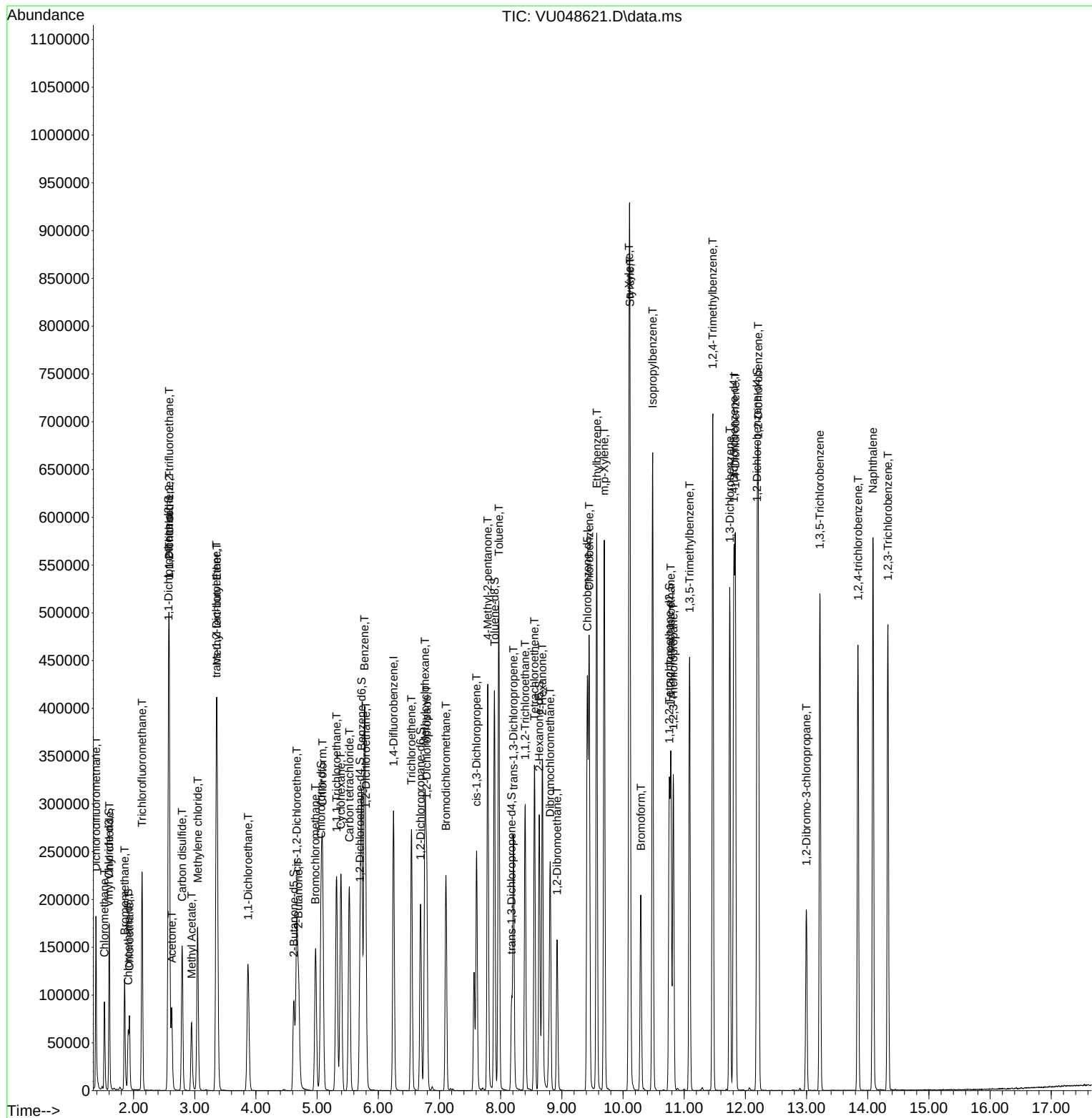
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	150713	49.039	ug/L	98
29) Cyclohexane	5.388	56	106971	44.043	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	170736	47.686	ug/L	99
31) Carbon tetrachloride	5.526	117	153828	47.142	ug/L	99
33) Benzene	5.774	78	326332	47.236	ug/L	100
34) Trichloroethene	6.542	95	90780	46.445	ug/L	98
35) Methylcyclohexane	6.764	83	123542	44.046	ug/L	98
37) 1,2-Dichloropropane	6.790	63	78926	45.690	ug/L	99
38) Bromodichloromethane	7.105	83	145053	51.899	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	141208	47.878	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	244783	92.856	ug/L	99
42) Toluene	7.970	91	367093	48.751	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	147986	47.579	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89870	48.581	ug/L	99
46) Tetrachloroethene	8.552	164	75348	47.241	ug/L	96
48) 2-Hexanone	8.681	43	199430	88.296	ug/L	98
49) Dibromochloromethane	8.809	129	122680	51.582	ug/L	98
50) 1,2-Dibromoethane	8.922	107	101715	47.643	ug/L	99
51) Chlorobenzene	9.446	112	246377	46.913	ug/L	98
52) Ethylbenzene	9.571	91	408049	47.419	ug/L	99
53) m,p-Xylene	9.693	106	165710	47.919	ug/L	99
54) o-Xylene	10.099	106	161310	48.691	ug/L	96
55) Styrene	10.115	104	278158	48.290	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	151233	47.303	ug/L	98
59) Bromoform	10.291	173	95793	48.905	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	132931	47.038	ug/L	98
61) Isopropylbenzene	10.484	105	426942	48.650	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	246184	49.344	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	388904	50.129	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	215177	47.547	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	216764	46.157	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	215209	46.753	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	50209	45.952	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	163731	45.391	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	147069	45.080	ug/L	100
71) Naphthalene	14.085	128	463574	43.094	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	148932	45.468	ug/L	99

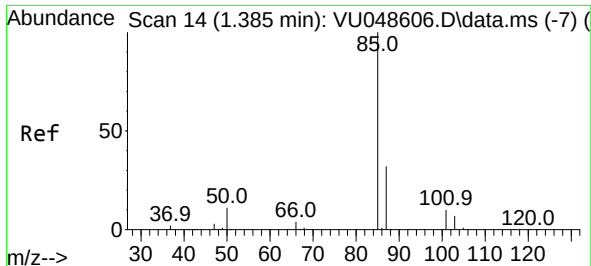
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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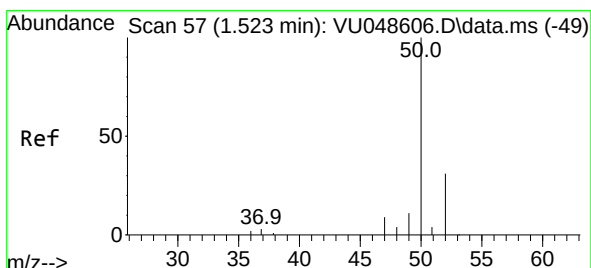
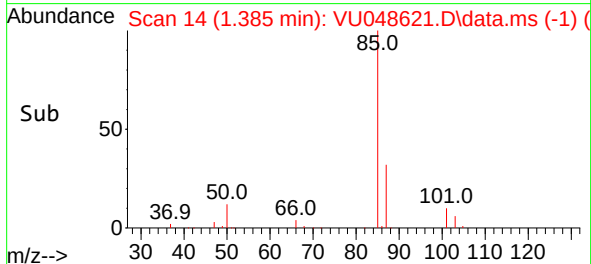
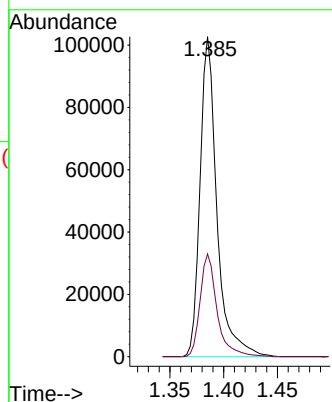
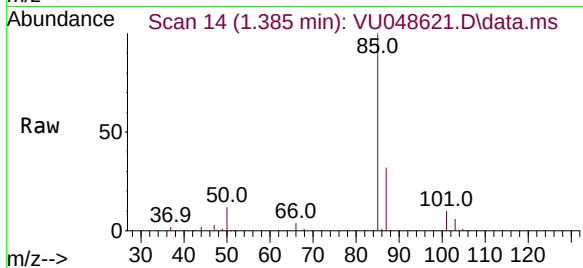




#2
Dichlorodifluoromethane
Concen: 43.502 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

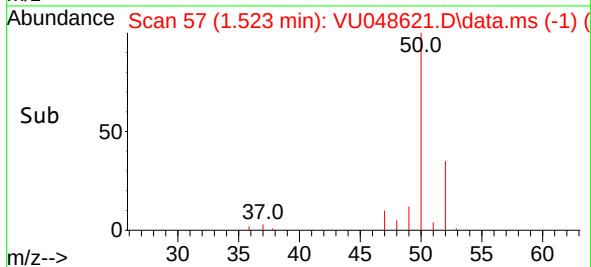
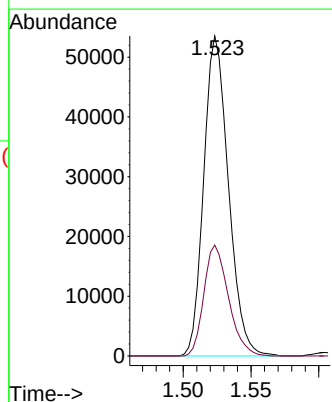
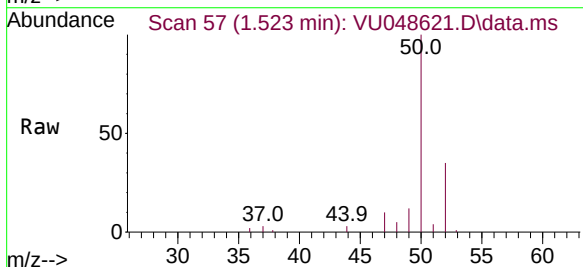
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ClientSampleId :
VSTD050133

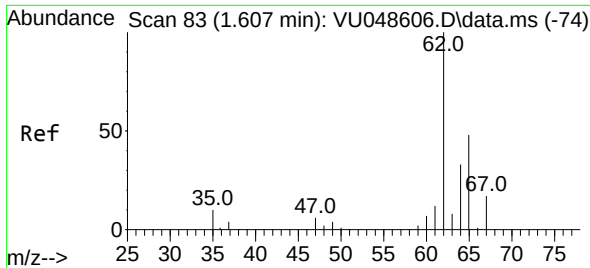
Tgt Ion: 85 Resp: 111687
Ion Ratio Lower Upper
85 100
87 32.3 25.4 38.2



#3
Chloromethane
Concen: 42.889 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 50 Resp: 67942
Ion Ratio Lower Upper
50 100
52 34.6 23.8 44.2

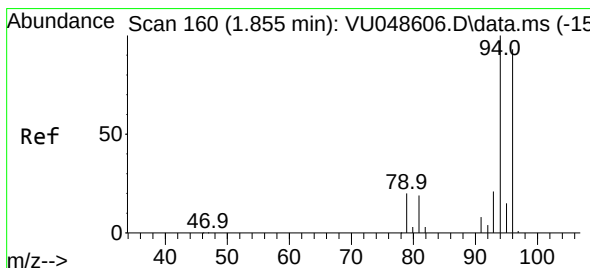
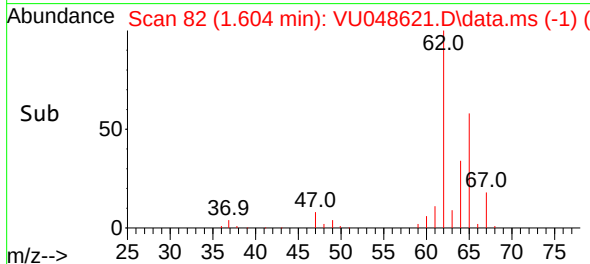
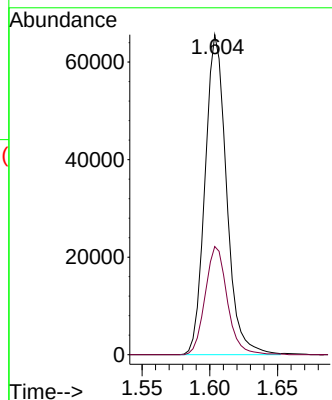
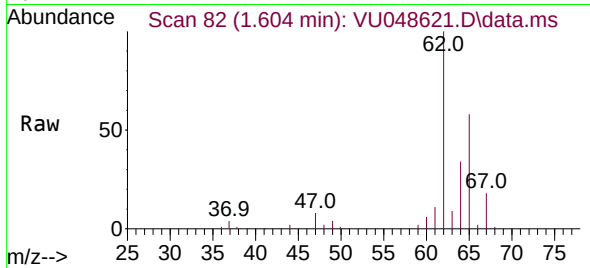




#5
 Vinyl chloride
 Concen: 42.932 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048621.D
 Acq: 18 May 2022 18:04

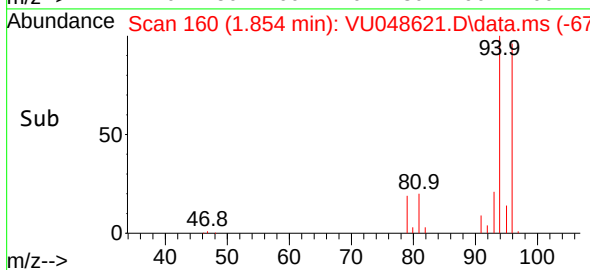
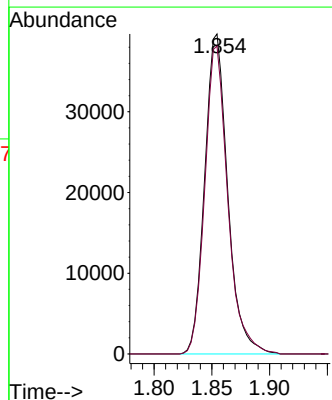
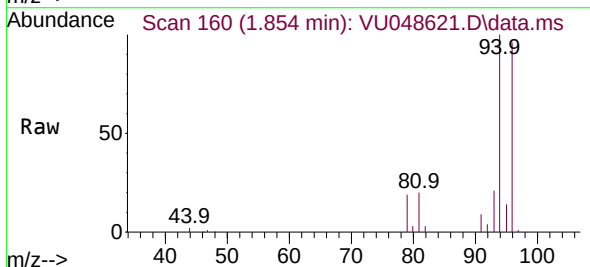
Instrument :
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 ClientSampleId :
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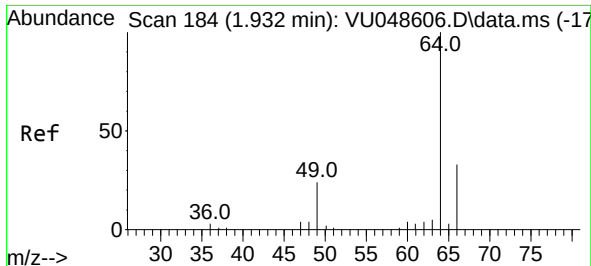
Tgt Ion: 62 Resp: 72348
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.9 42.5



#6
 Bromomethane
 Concen: 45.335 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU048621.D
 Acq: 18 May 2022 18:04

Tgt Ion: 94 Resp: 55153
 Ion Ratio Lower Upper
 94 100
 96 96.2 65.7 121.9

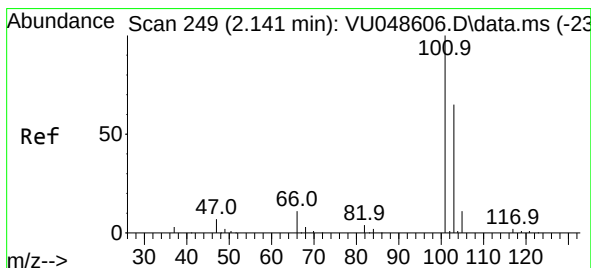
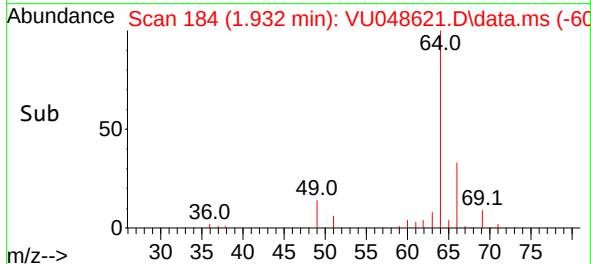
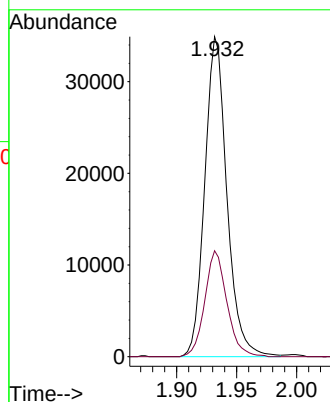
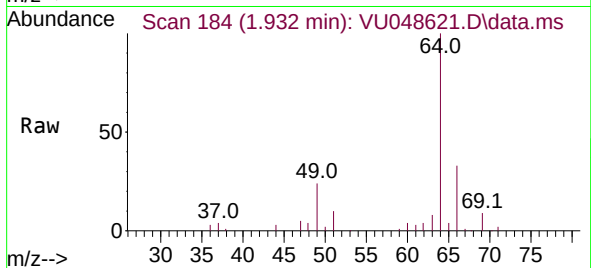




#8
Chloroethane
Concen: 45.323 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

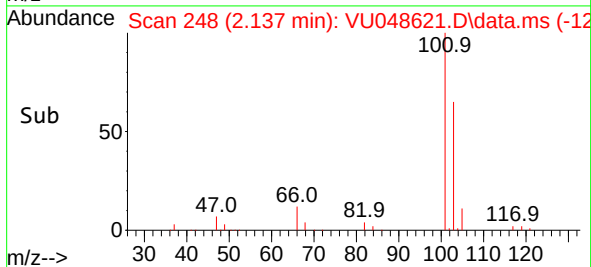
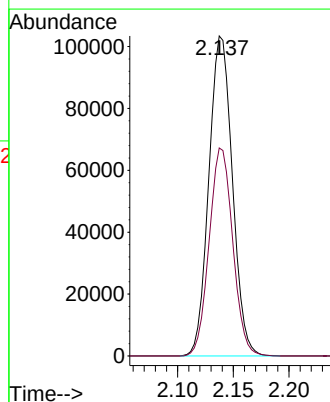
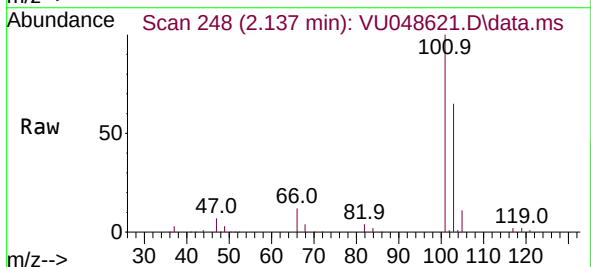
Instrument :
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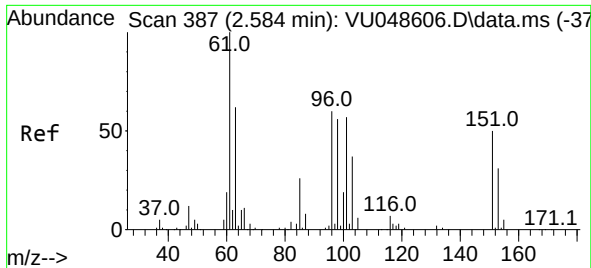
Tgt Ion: 64 Resp: 44955
Ion Ratio Lower Upper
64 100
66 33.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 46.208 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion:101 Resp: 152014
Ion Ratio Lower Upper
101 100
103 65.1 51.6 77.4

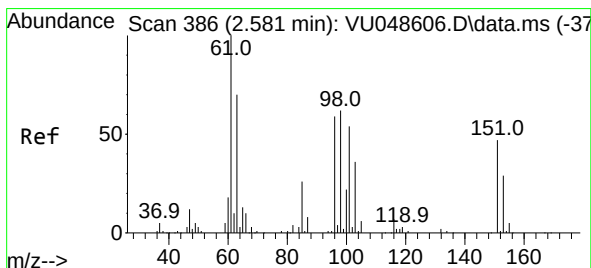
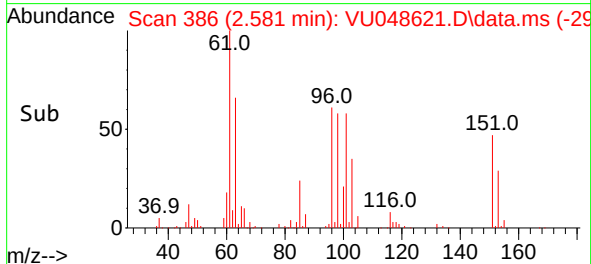
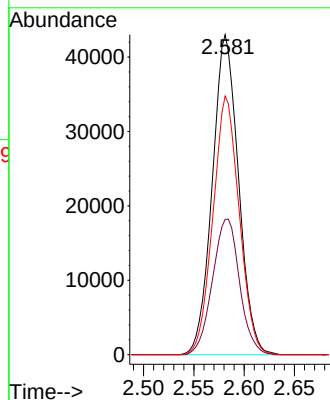
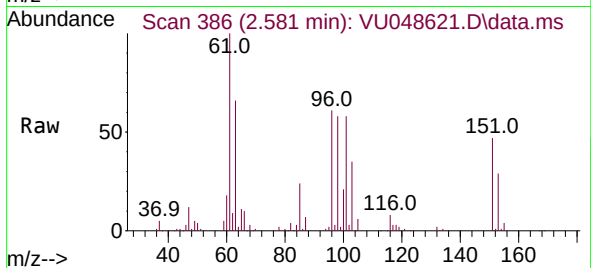




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.448 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU048621.D
 Acq: 18 May 2022 18:04

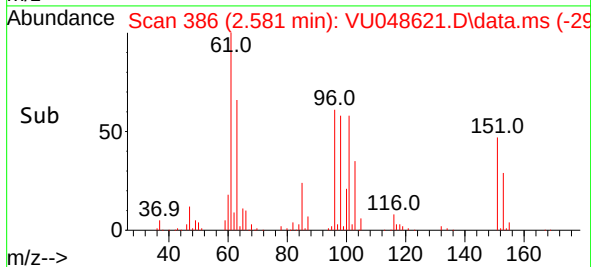
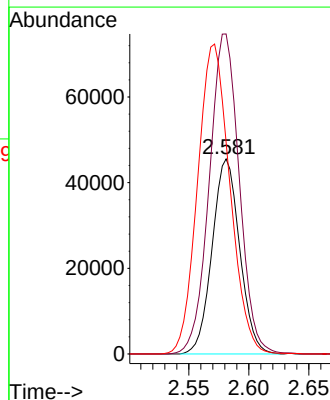
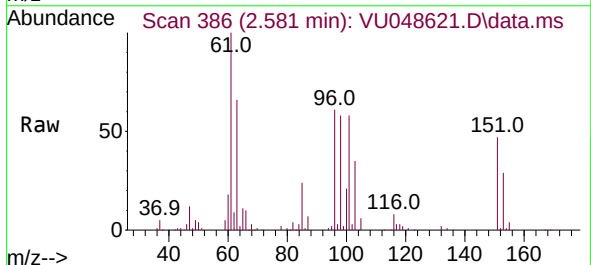
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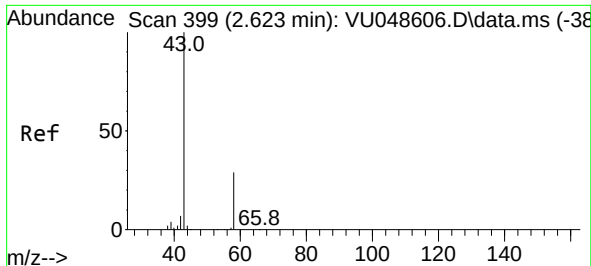
Tgt Ion:101 Resp: 77917
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.7 53.5
 151 81.0 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 46.742 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU048621.D
 Acq: 18 May 2022 18:04

Tgt Ion: 96 Resp: 72657
 Ion Ratio Lower Upper
 96 100
 61 164.1 120.6 224.0
 63 108.6 82.3 152.9





#13

Acetone

Concen: 79.833 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

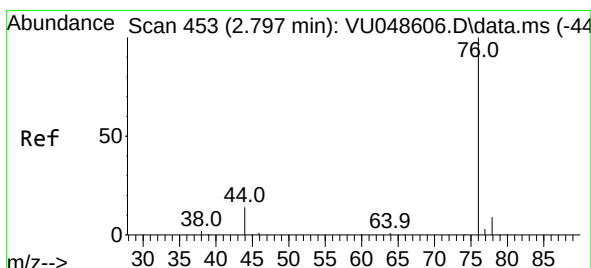
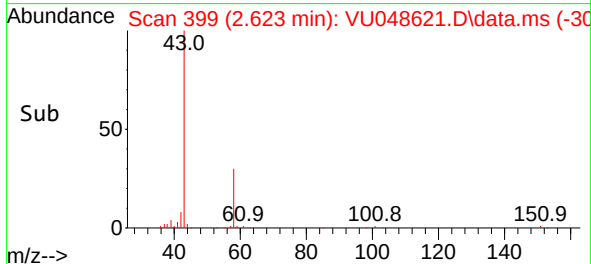
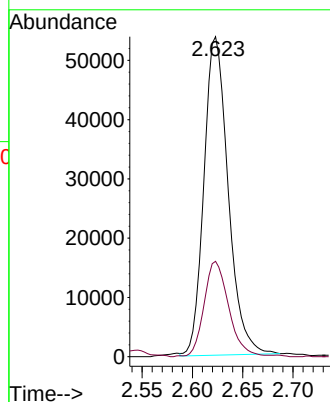
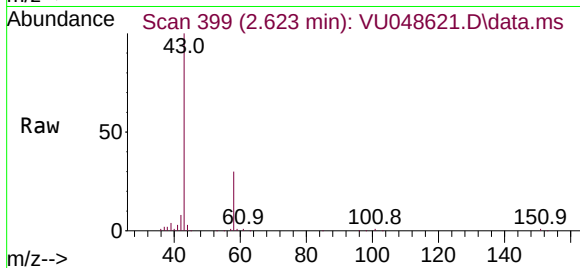
VSTD050133

Tgt Ion: 43 Resp: 90317

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.8



#14

Carbon disulfide

Concen: 43.480 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU048621.D

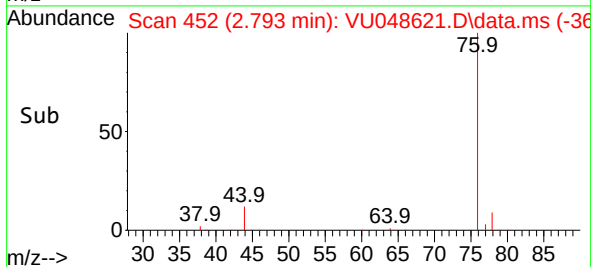
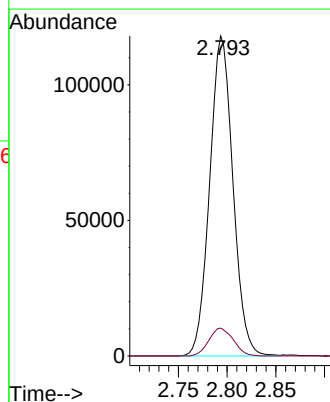
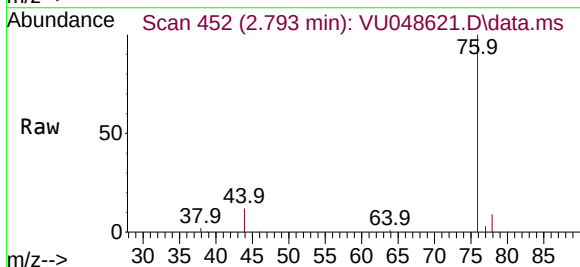
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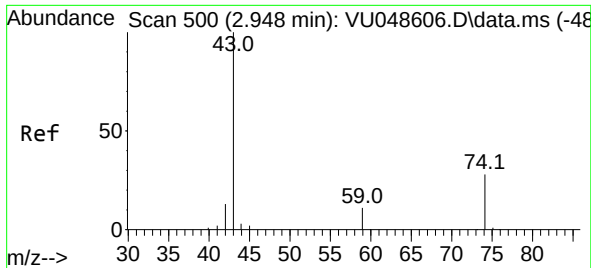
Tgt Ion: 76 Resp: 196132

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

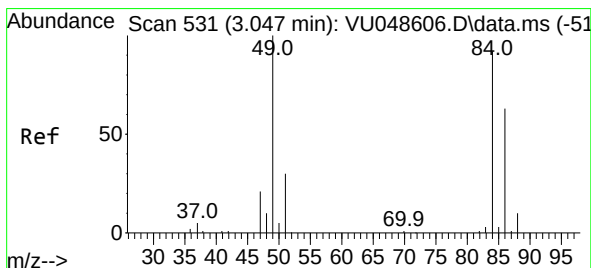
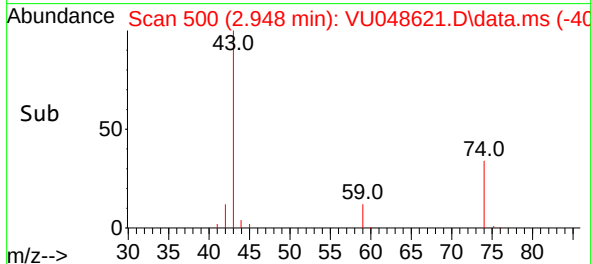
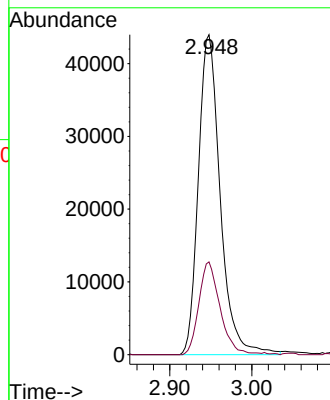
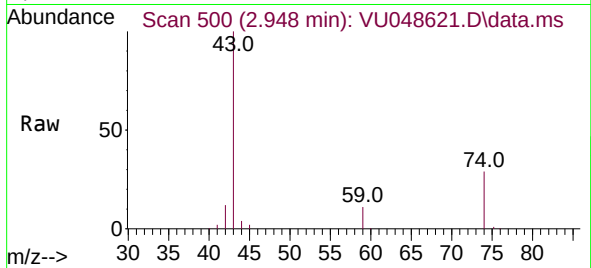




#15
Methyl Acetate
Concen: 42.155 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

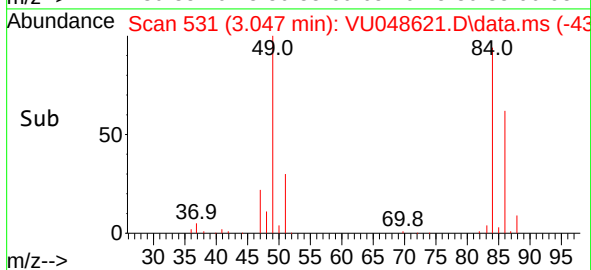
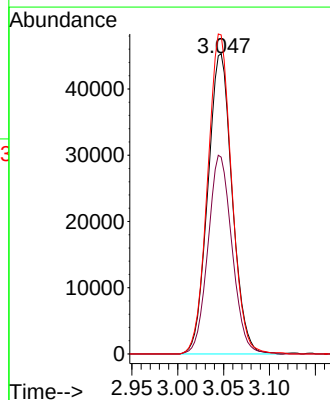
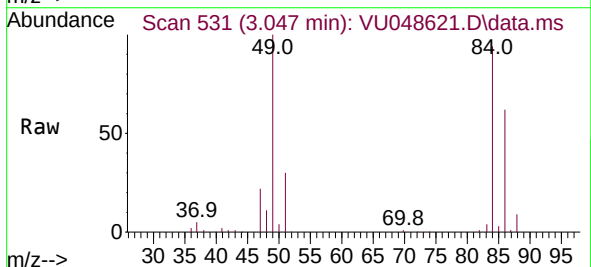
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

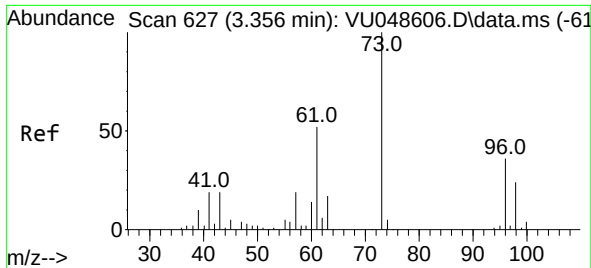
Tgt Ion: 43 Resp: 81393
Ion Ratio Lower Upper
43 100
74 27.9 21.7 32.5



#16
Methylene chloride
Concen: 46.341 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 84 Resp: 83860
Ion Ratio Lower Upper
84 100
86 65.5 43.5 80.9
49 106.2 76.4 141.8

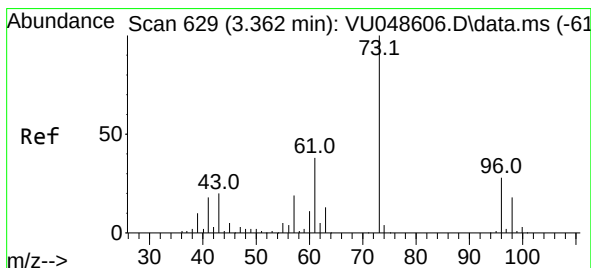
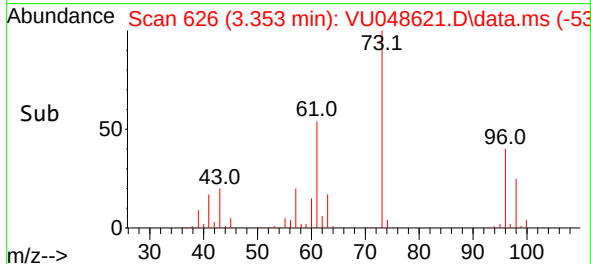
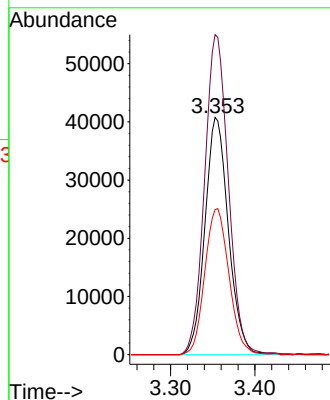
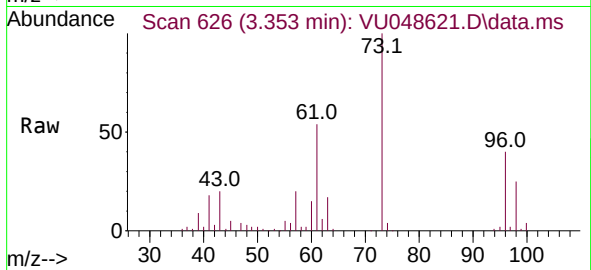




#17
trans-1,2-Dichloroethene
Concen: 47.211 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

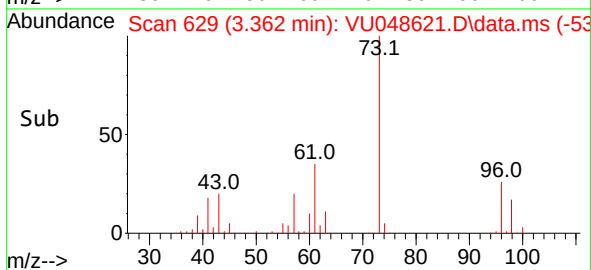
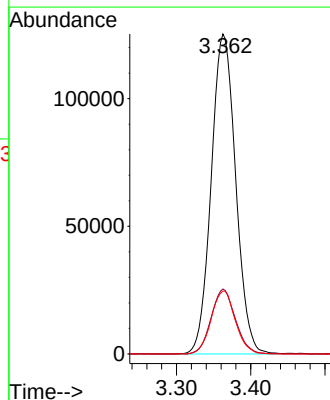
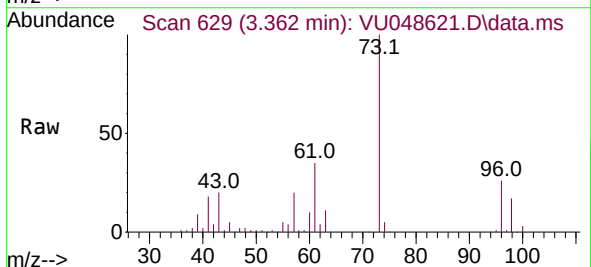
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

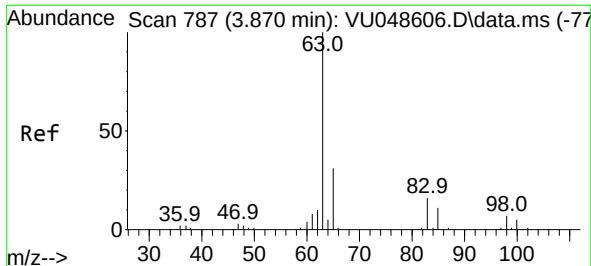
Tgt Ion: 96 Resp: 79151
Ion Ratio Lower Upper
96 100
61 134.9 94.2 175.0
98 61.1 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 49.323 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 73 Resp: 286899
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.4
57 19.5 15.7 23.5





#19

1,1-Dichloroethane

Concen: 47.570 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050133

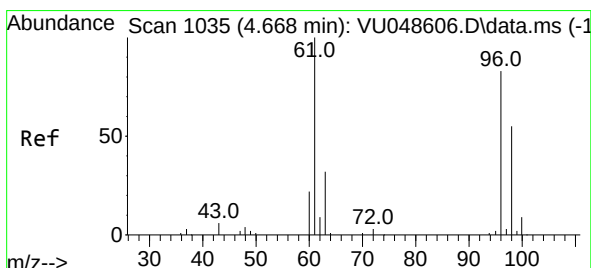
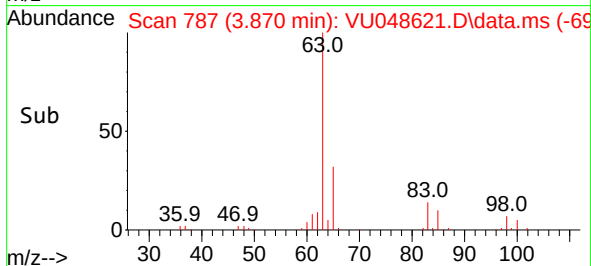
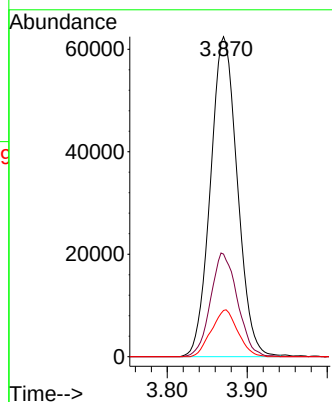
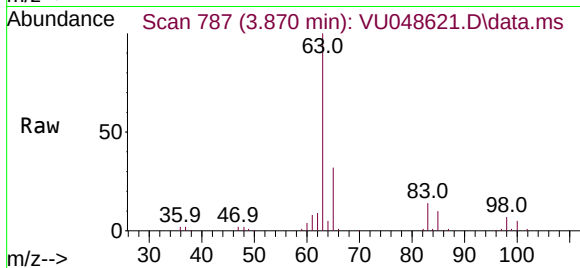
Tgt Ion: 63 Resp: 146010

Ion Ratio Lower Upper

63 100

65 32.0 21.8 40.6

83 14.4 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 48.630 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

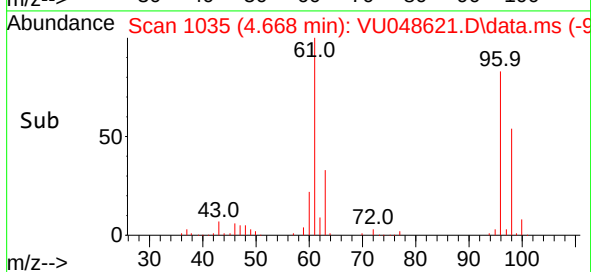
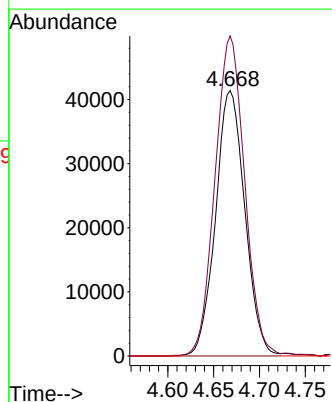
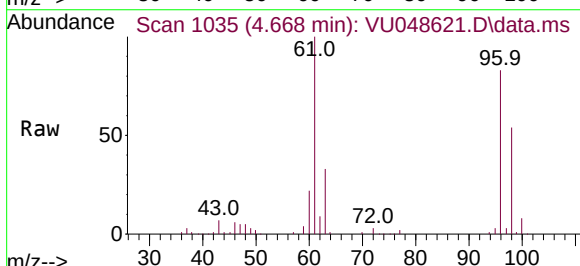
Tgt Ion: 96 Resp: 91944

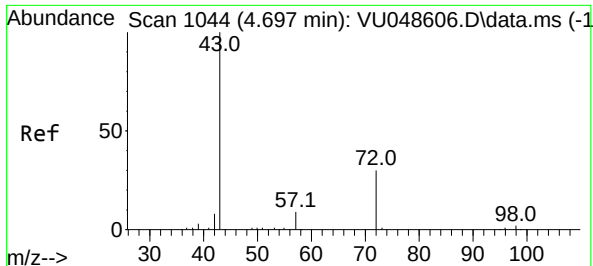
Ion Ratio Lower Upper

96 100

61 120.6 88.3 164.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.091 ug/L

RT: 4.697 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

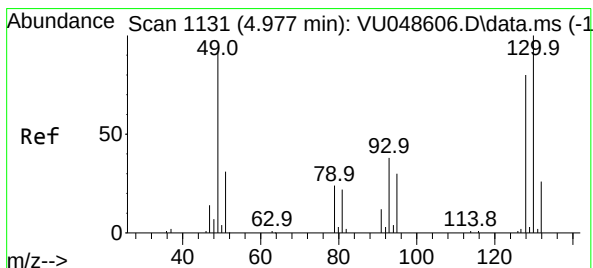
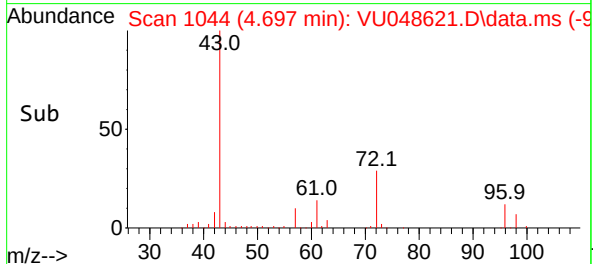
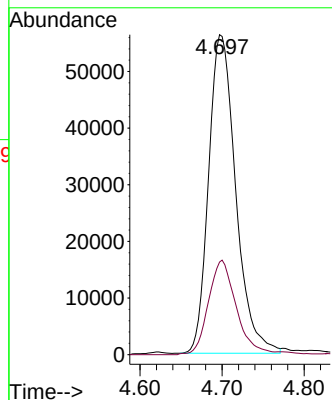
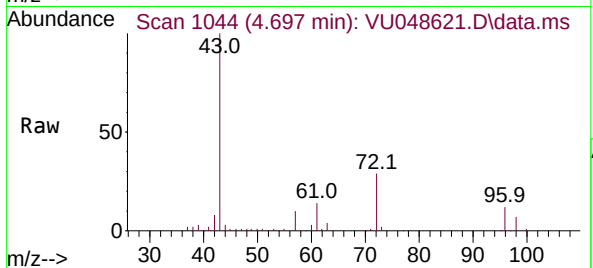
VSTD050133

Tgt Ion: 43 Resp: 129412

Ion Ratio Lower Upper

43 100

72 30.3 15.4 46.2



#23

Bromochloromethane

Concen: 49.712 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Tgt Ion: 128 Resp: 52155

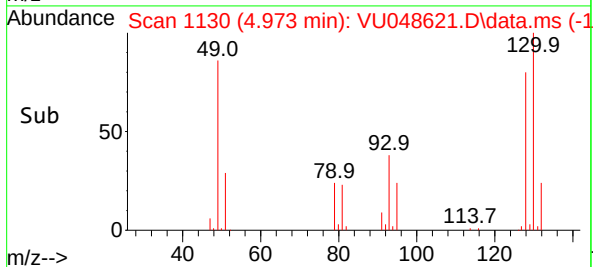
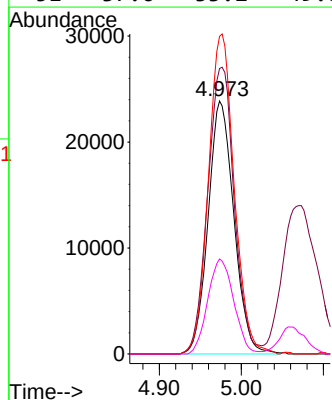
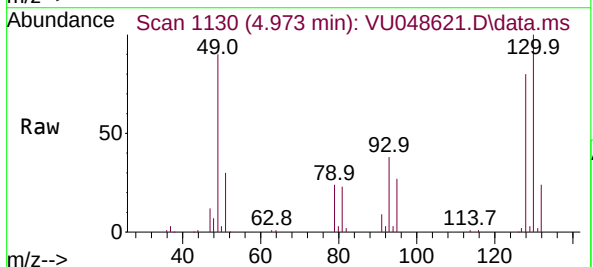
Ion Ratio Lower Upper

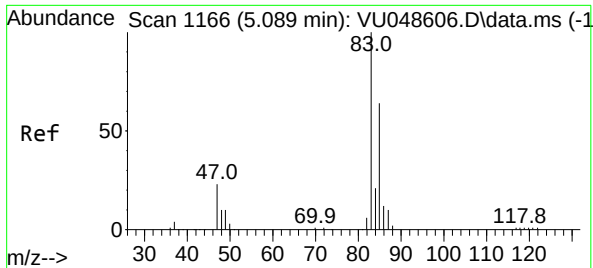
128 100

49 112.8 91.9 170.7

130 125.5 88.4 164.2

51 37.6 33.2 49.8





#25

Chloroform

Concen: 53.701 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

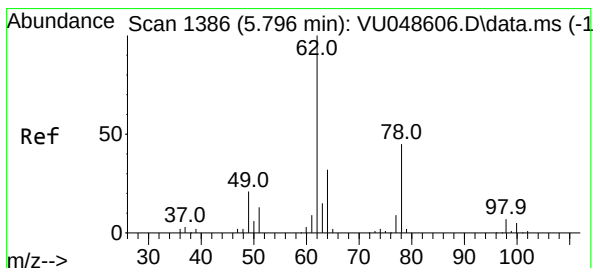
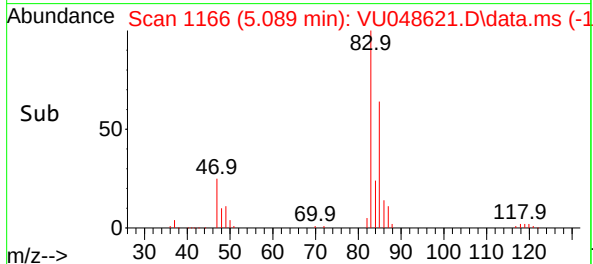
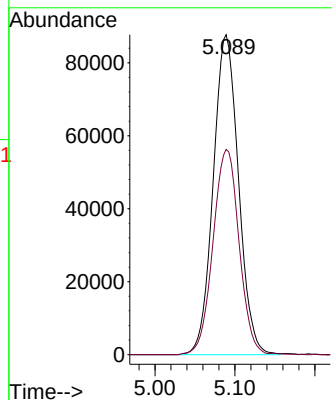
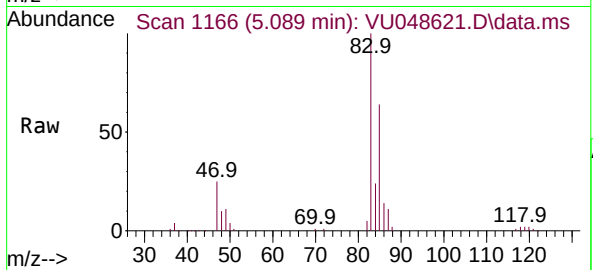
VSTD050133

Tgt Ion: 83 Resp: 192393

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7



#27

1,2-Dichloroethane

Concen: 49.039 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048621.D

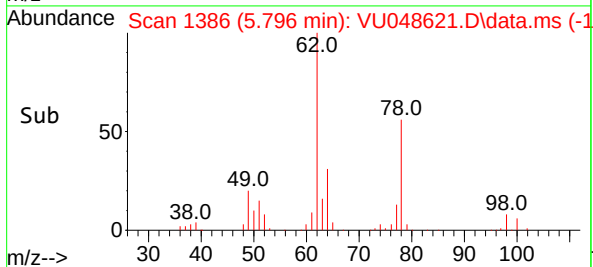
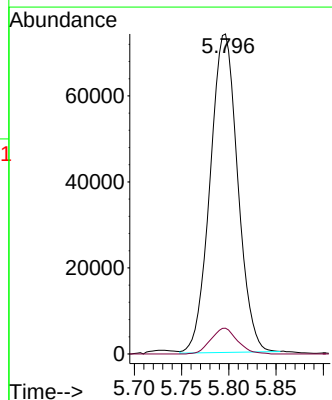
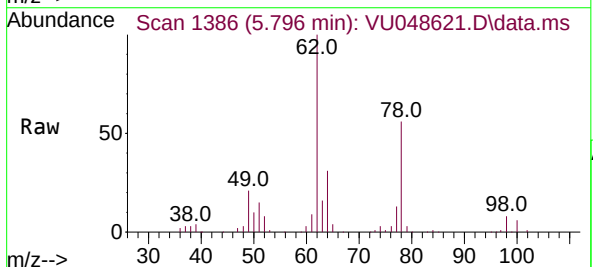
Acq: 18 May 2022 18:04

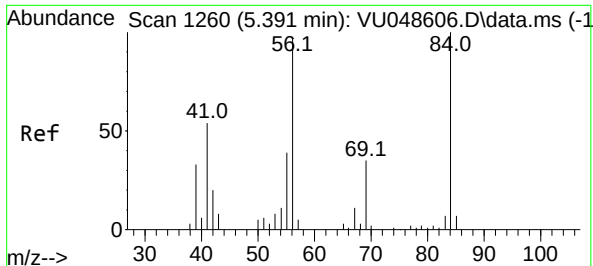
Tgt Ion: 62 Resp: 150713

Ion Ratio Lower Upper

62 100

98 8.1 6.0 9.0





#29

Cyclohexane

Concen: 44.043 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050133

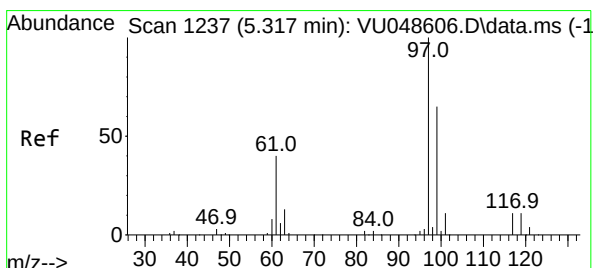
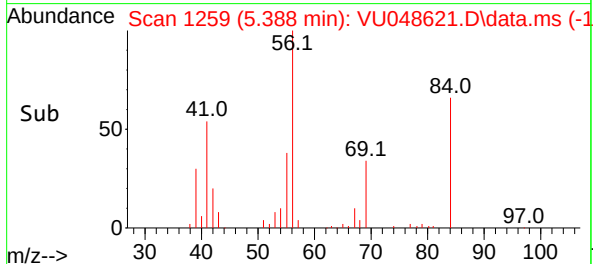
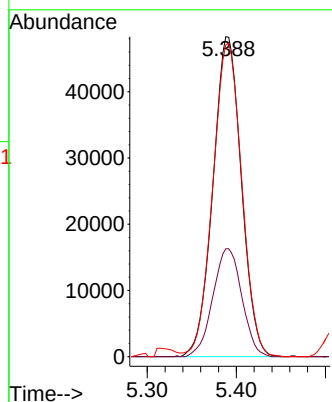
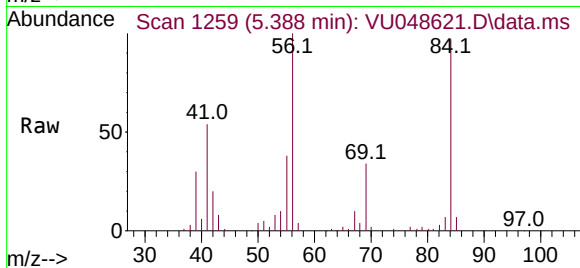
Tgt Ion: 56 Resp: 106971

Ion Ratio Lower Upper

56 100

69 34.4 26.5 39.7

84 99.9 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 47.686 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

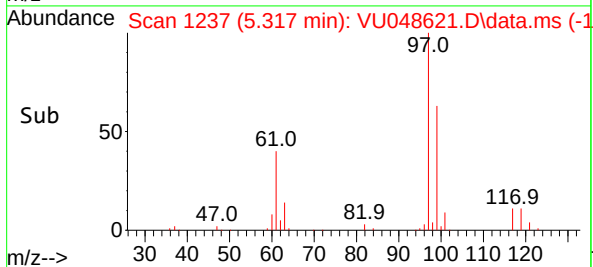
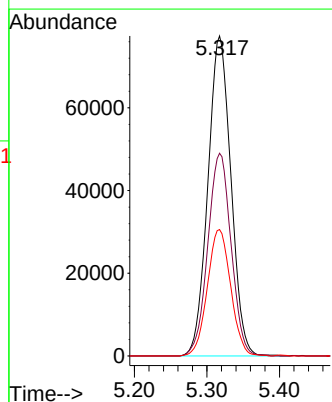
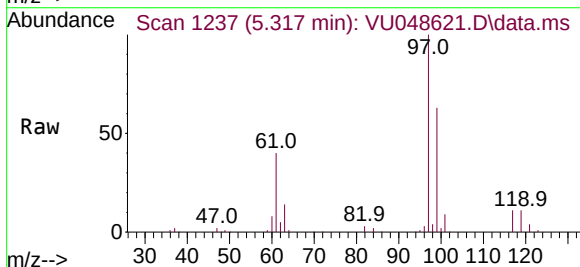
Tgt Ion: 97 Resp: 170736

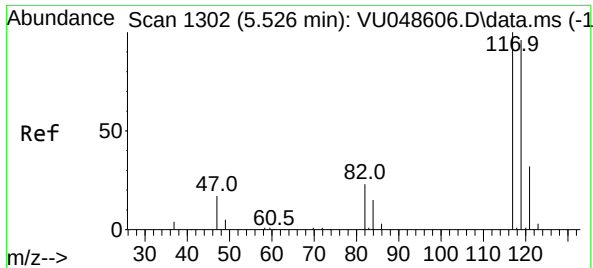
Ion Ratio Lower Upper

97 100

99 64.1 50.3 75.5

61 39.9 32.6 48.8

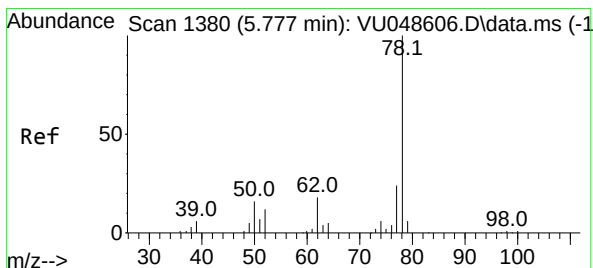
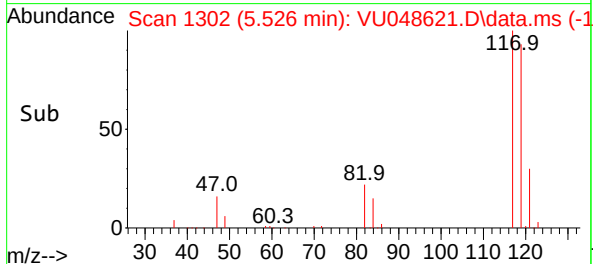
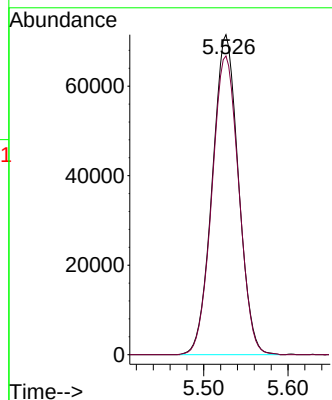
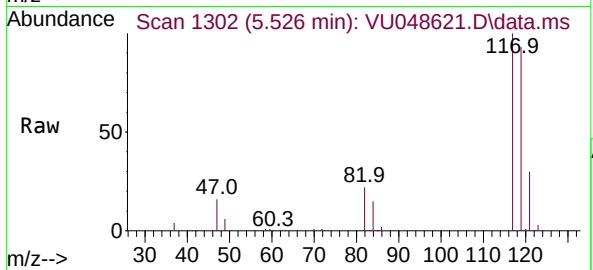




#31
Carbon tetrachloride
Concen: 47.142 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

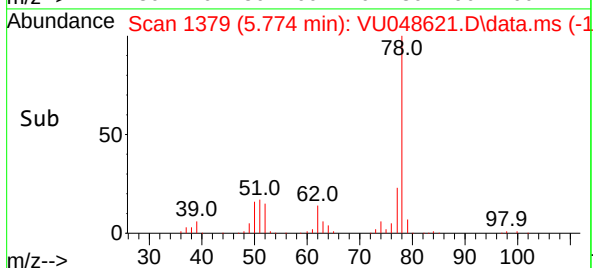
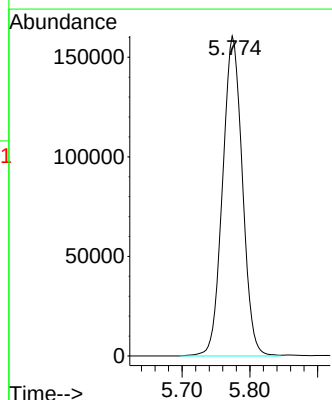
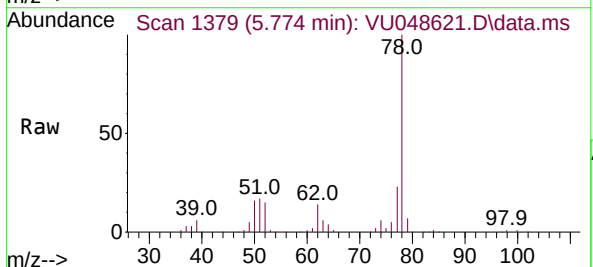
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

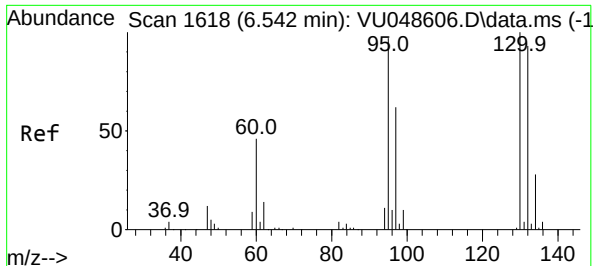
Tgt Ion:117 Resp: 153828
Ion Ratio Lower Upper
117 100
119 96.0 76.0 114.0



#33
Benzene
Concen: 47.236 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 78 Resp: 326332

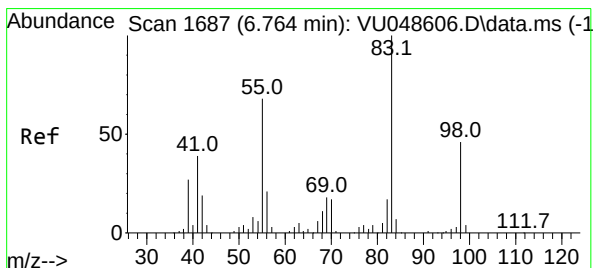
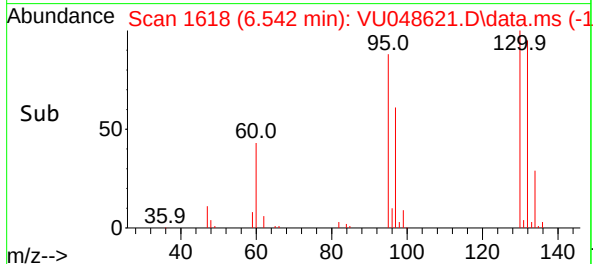
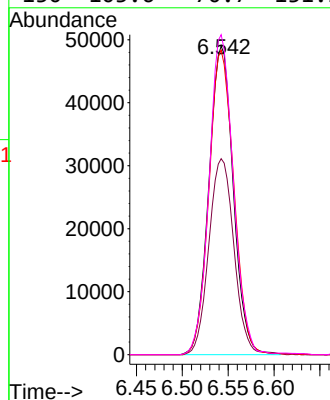
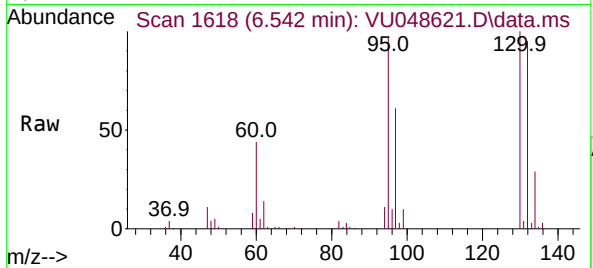




#34
Trichloroethene
Concen: 46.445 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

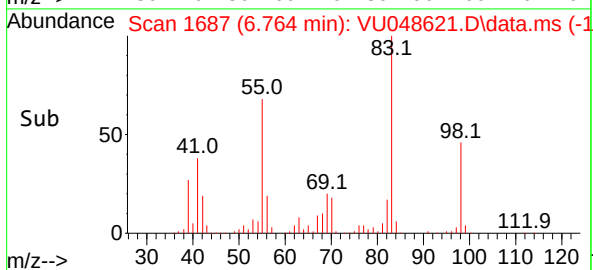
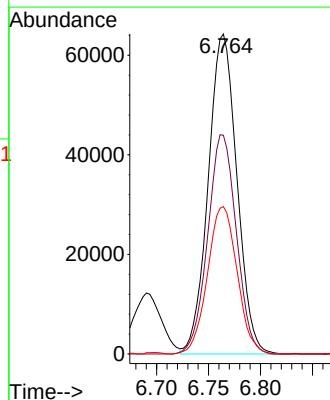
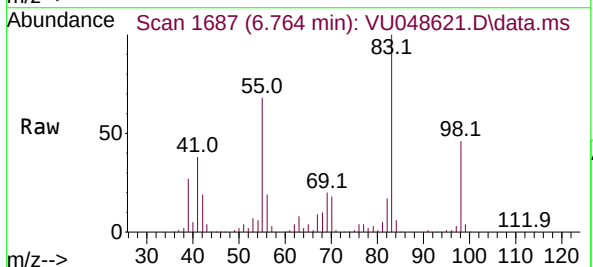
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

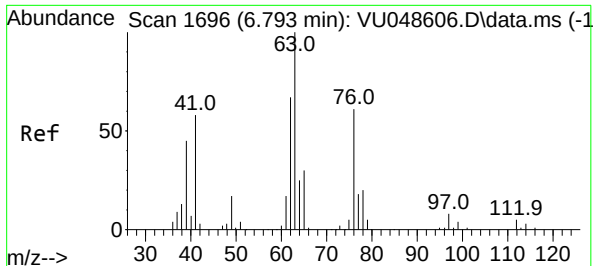
Tgt Ion: 95 Resp: 90780
Ion Ratio Lower Upper
95 100
97 63.4 45.2 84.0
132 98.6 67.3 124.9
130 103.6 70.7 131.3



#35
Methylcyclohexane
Concen: 44.046 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 83 Resp: 123542
Ion Ratio Lower Upper
83 100
55 68.4 56.2 84.4
98 47.4 38.2 57.2





#37

1,2-Dichloropropane

Concen: 45.690 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

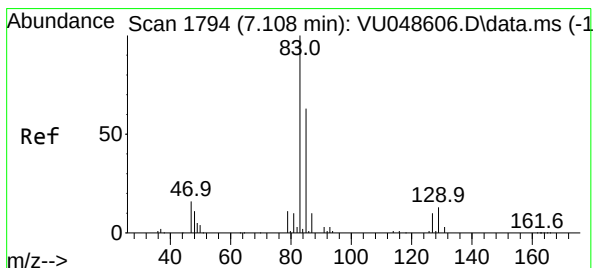
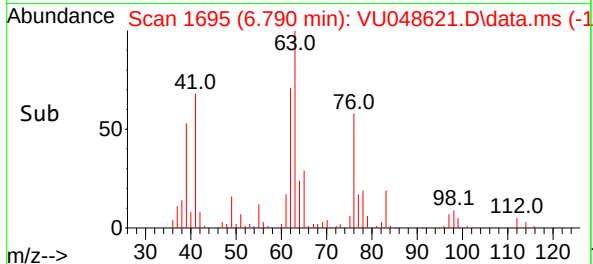
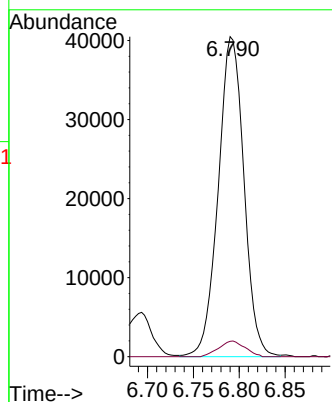
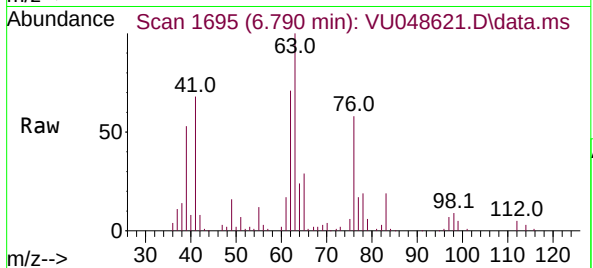
VSTD050133

Tgt Ion: 63 Resp: 78926

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 51.899 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

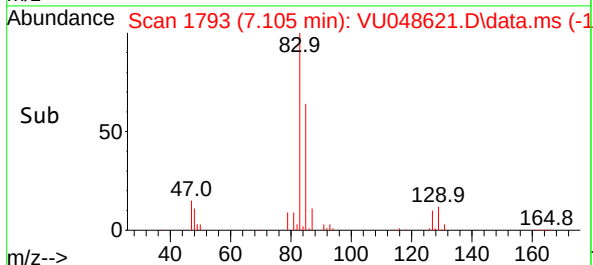
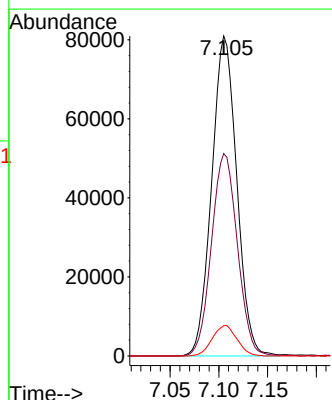
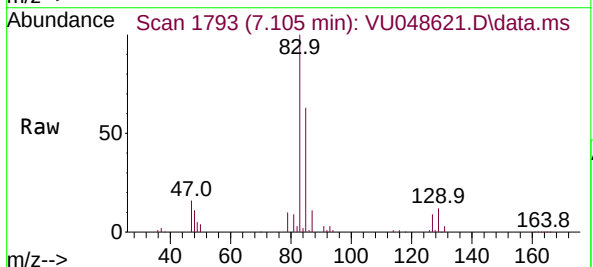
Tgt Ion: 83 Resp: 145053

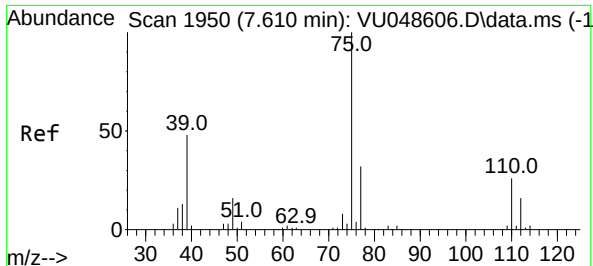
Ion Ratio Lower Upper

83 100

85 63.3 46.1 85.5

127 9.5 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 47.878 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

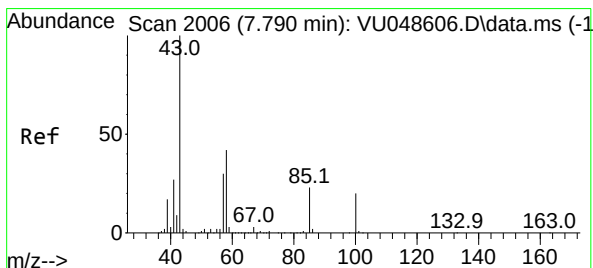
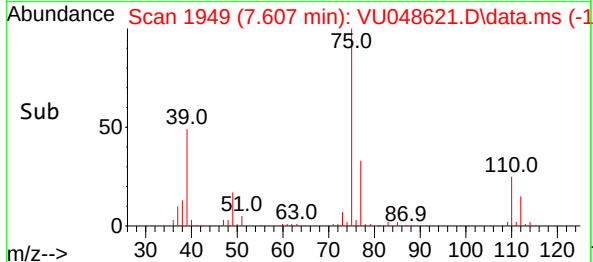
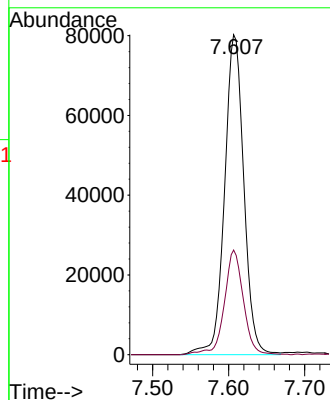
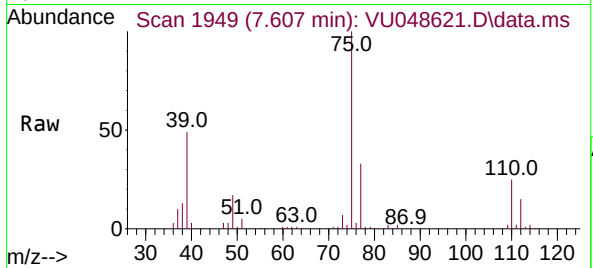
VSTD050133

Tgt Ion: 75 Resp: 141208

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 92.856 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

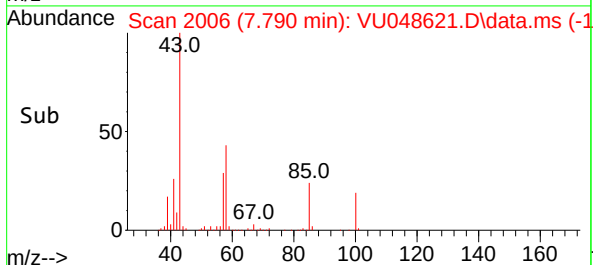
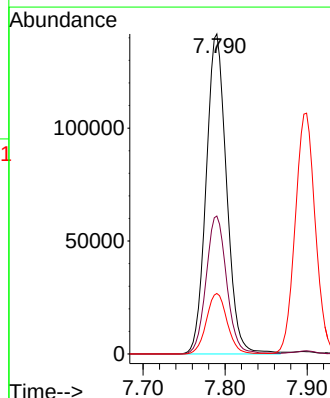
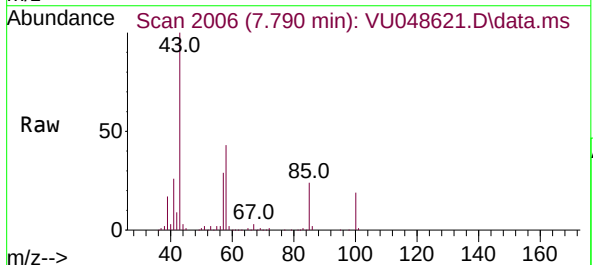
Tgt Ion: 43 Resp: 244783

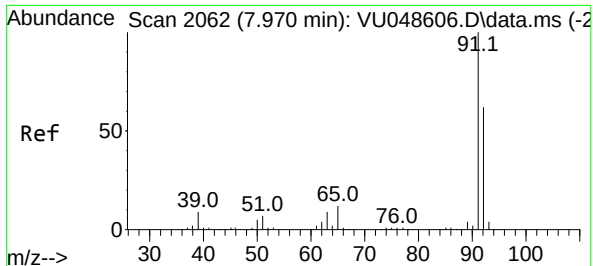
Ion Ratio Lower Upper

43 100

58 43.4 34.3 51.5

100 19.2 14.7 22.1

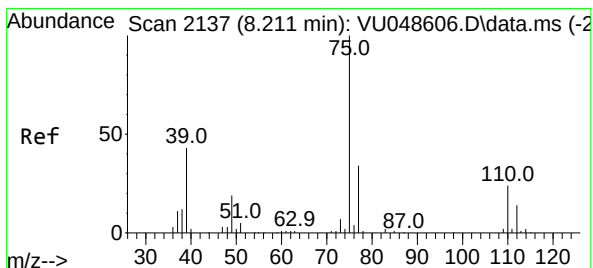
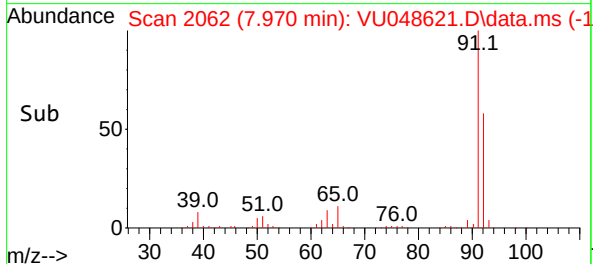
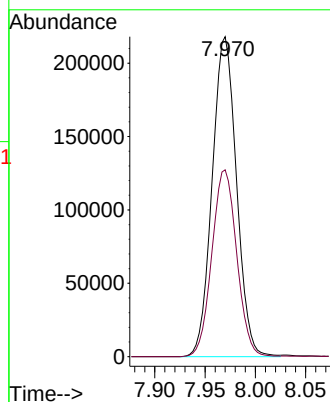
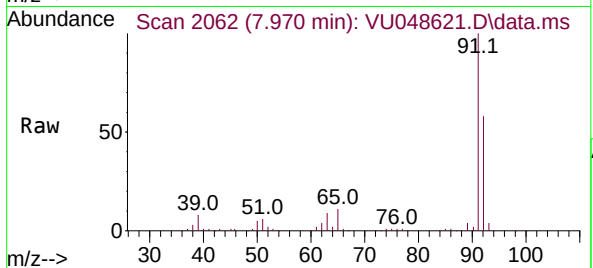




#42
Toluene
Concen: 48.751 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

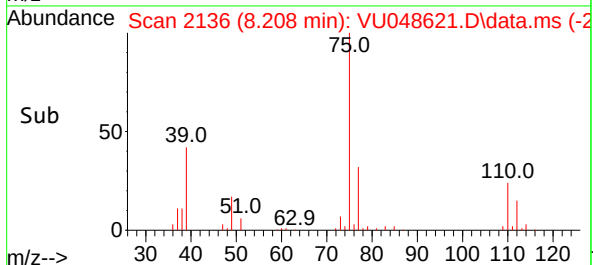
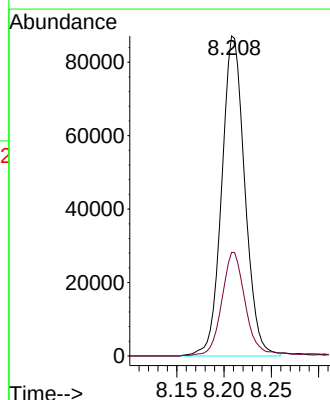
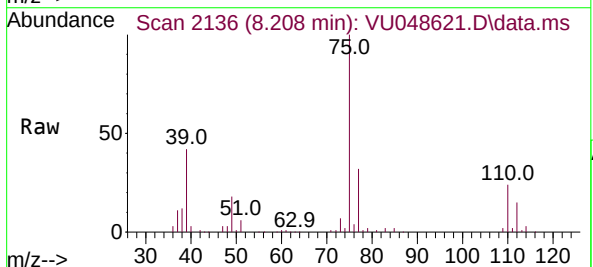
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

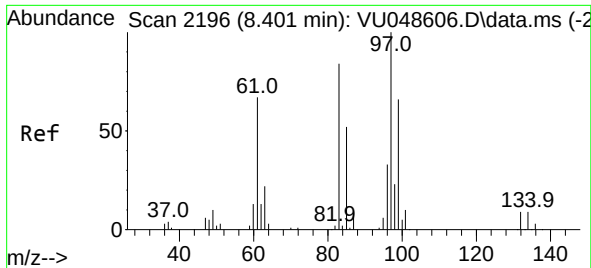
Tgt Ion: 91 Resp: 367093
Ion Ratio Lower Upper
91 100
92 58.4 41.4 77.0



#44
trans-1,3-Dichloropropene
Concen: 47.579 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 75 Resp: 147986
Ion Ratio Lower Upper
75 100
77 32.4 22.7 42.1

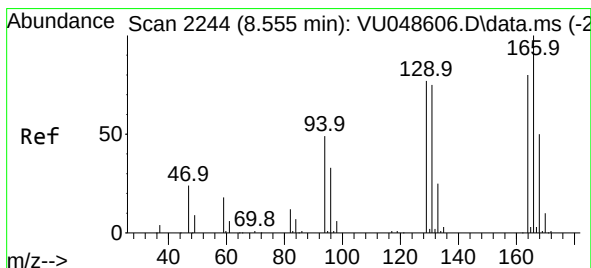
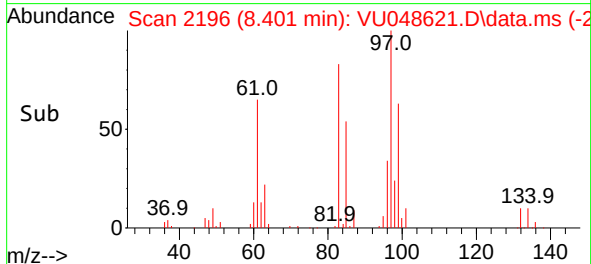
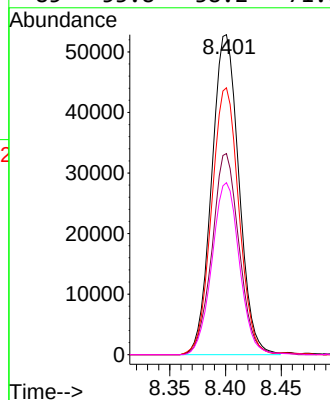
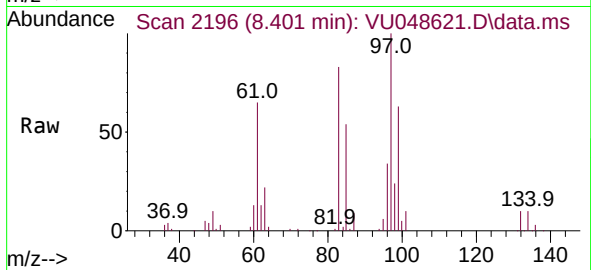




#45
1,1,2-Trichloroethane
Concen: 48.581 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

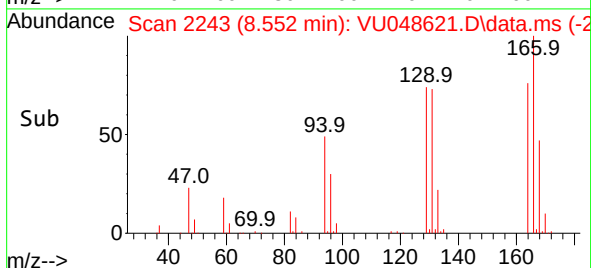
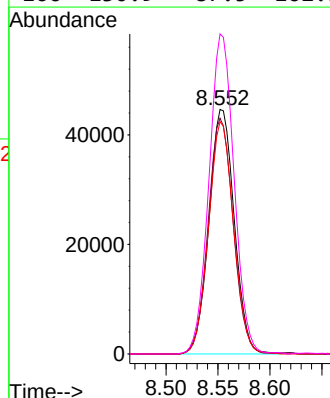
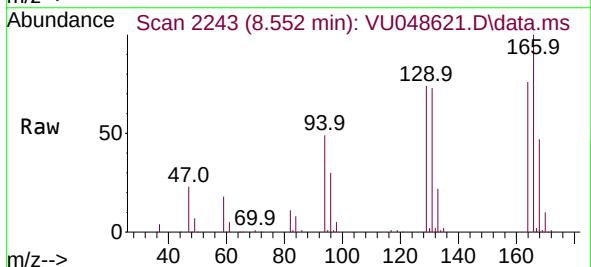
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

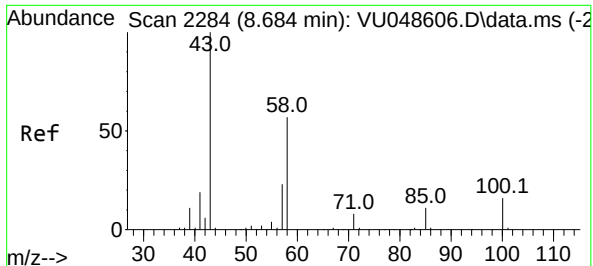
Tgt Ion:	97	Resp:	89870
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.2	78.4
83	83.4	58.4	108.6
85	53.8	38.2	71.0



#46
Tetrachloroethene
Concen: 47.241 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion:	164	Resp:	75348
Ion	Ratio	Lower	Upper
164	100		
129	96.4	64.3	119.3
131	95.1	64.5	119.7
166	130.9	87.5	162.5





#48

2-Hexanone

Concen: 88.296 ug/L

RT: 8.681 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050133

Tgt Ion: 43 Resp: 199430

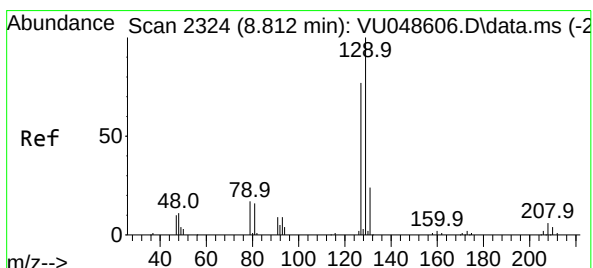
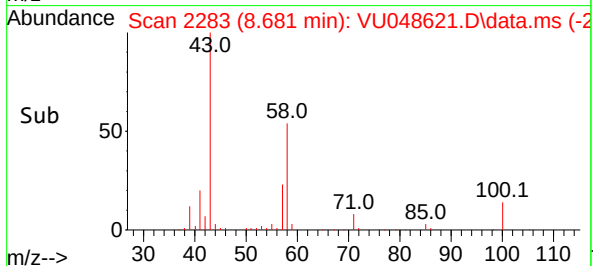
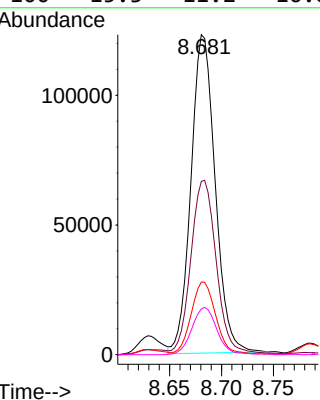
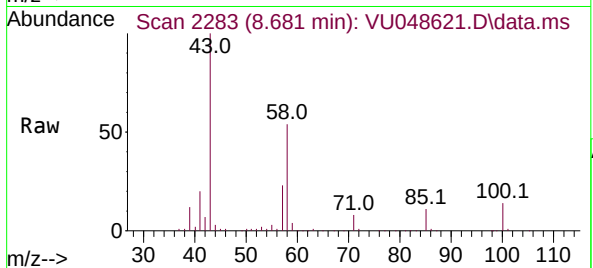
Ion Ratio Lower Upper

43 100

58 57.8 45.8 68.6

57 22.9 16.8 25.2

100 15.3 11.2 16.8



#49

Dibromochloromethane

Concen: 51.582 ug/L

RT: 8.809 min Scan# 2323

Delta R.T. -0.003 min

Lab File: VU048621.D

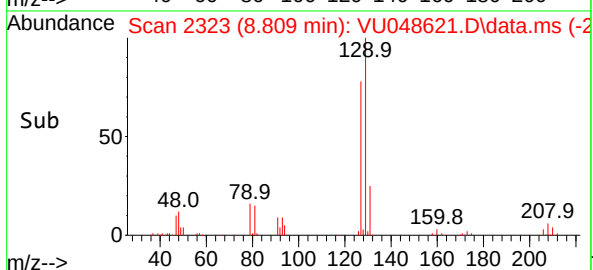
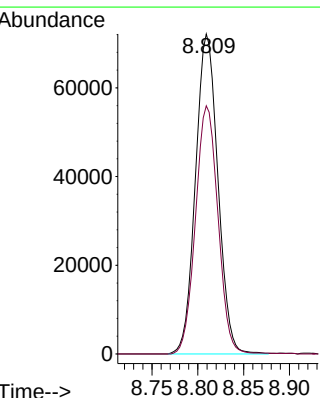
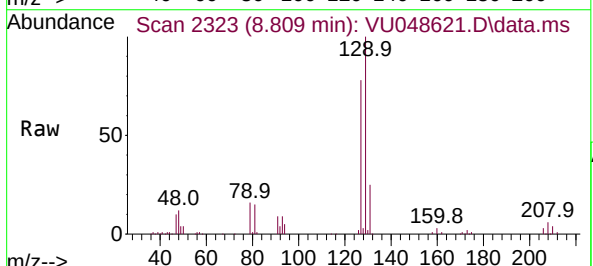
Acq: 18 May 2022 18:04

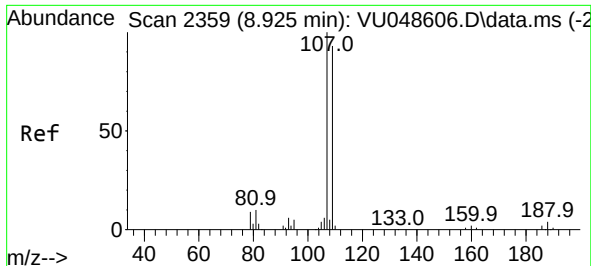
Tgt Ion:129 Resp: 122680

Ion Ratio Lower Upper

129 100

127 77.5 53.1 98.5





#50

1,2-Dibromoethane

Concen: 47.643 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050133

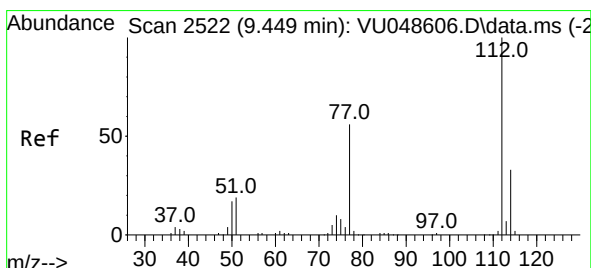
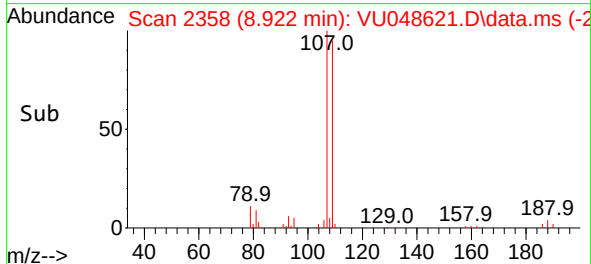
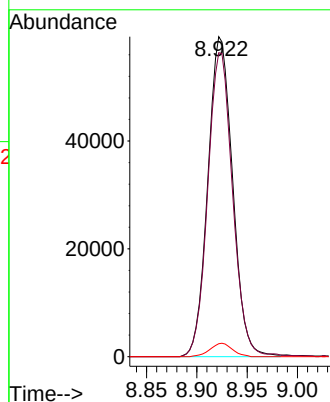
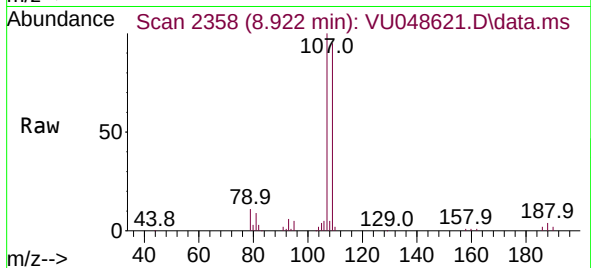
Tgt Ion:107 Resp: 101715

Ion Ratio Lower Upper

107 100

109 95.0 67.5 125.3

188 4.0 3.4 5.2



#51

Chlorobenzene

Concen: 46.913 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

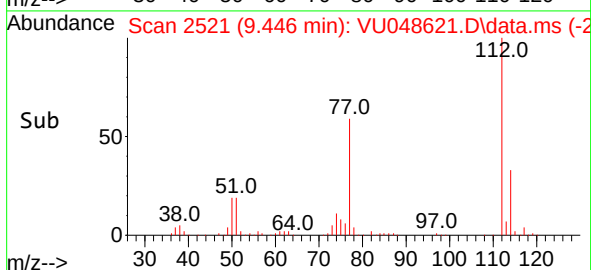
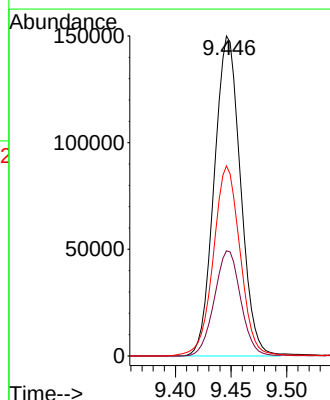
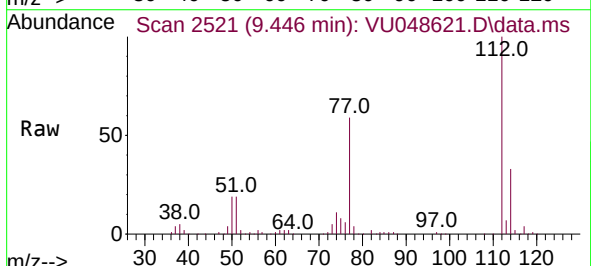
Tgt Ion:112 Resp: 246377

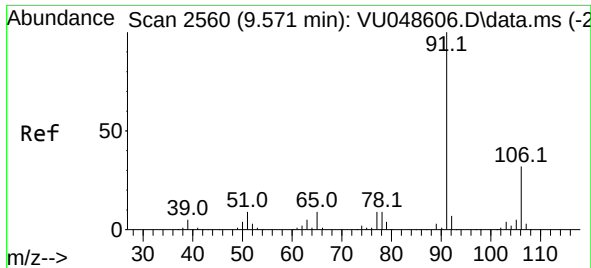
Ion Ratio Lower Upper

112 100

114 32.9 22.3 41.5

77 59.4 46.5 69.7

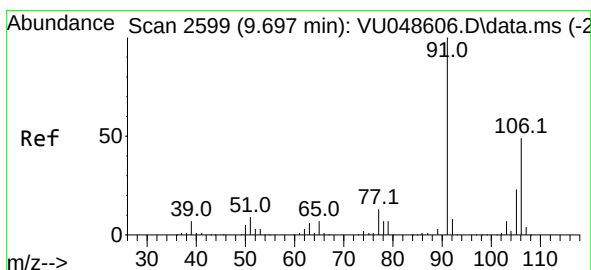
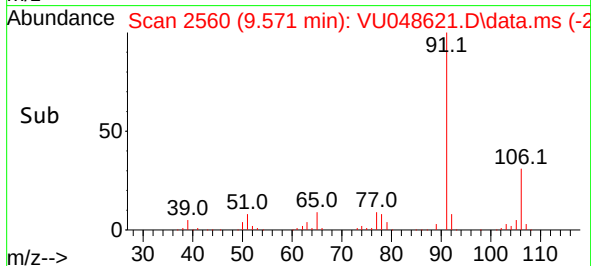
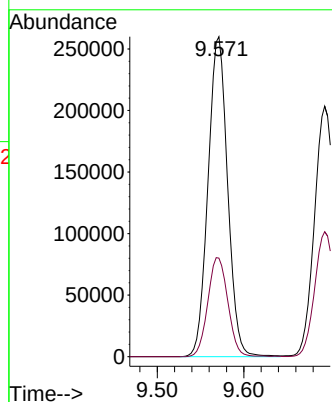
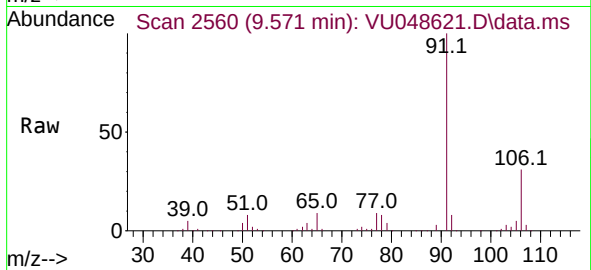




#52
Ethylbenzene
Concen: 47.419 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

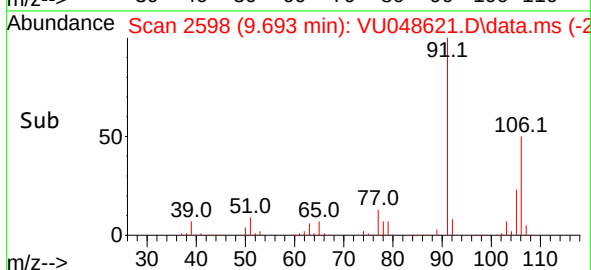
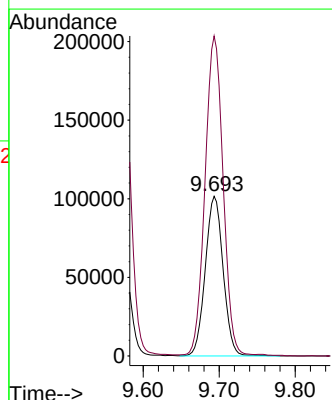
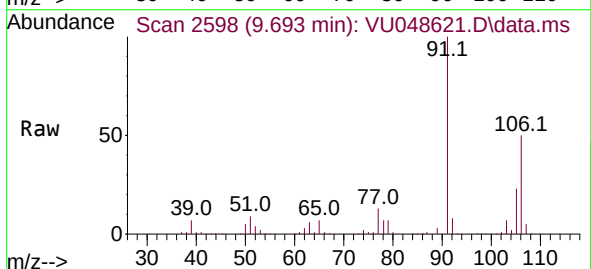
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

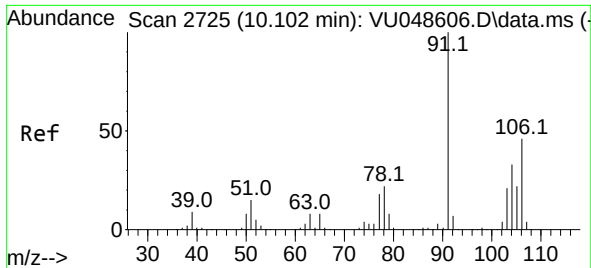
Tgt Ion: 91 Resp: 408049
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.6



#53
m,p-Xylene
Concen: 47.919 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 106 Resp: 165710
Ion Ratio Lower Upper
106 100
91 200.5 141.8 263.4

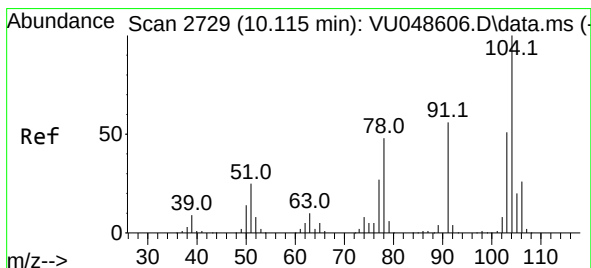
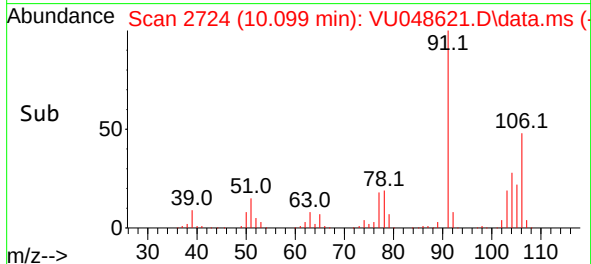
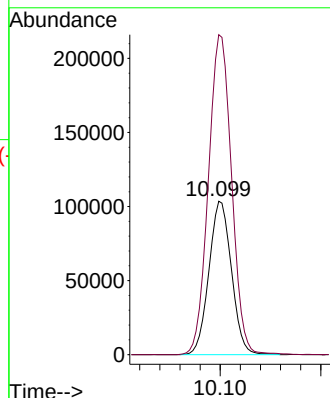
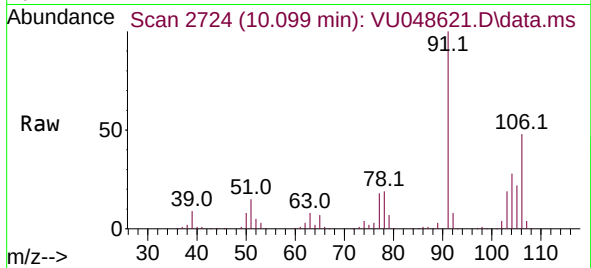




#54
o-Xylene
Concen: 48.691 ug/L
RT: 10.099 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

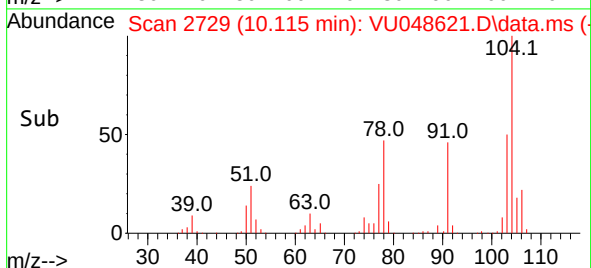
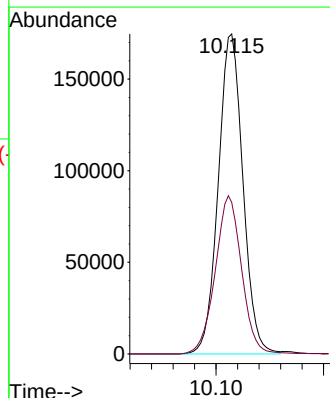
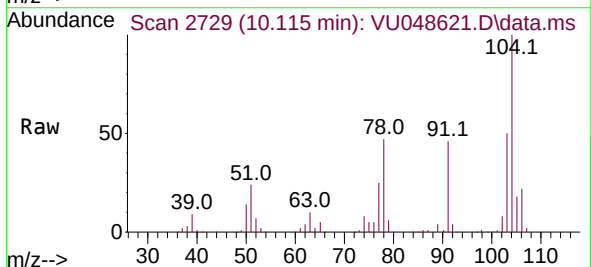
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

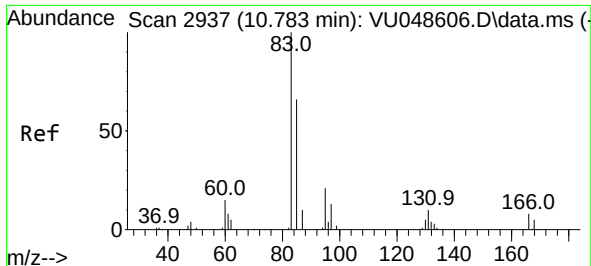
Tgt Ion:106 Resp: 161310
Ion Ratio Lower Upper
106 100
91 208.6 150.1 278.9



#55
Styrene
Concen: 48.290 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion:104 Resp: 278158
Ion Ratio Lower Upper
104 100
78 47.3 32.7 60.7

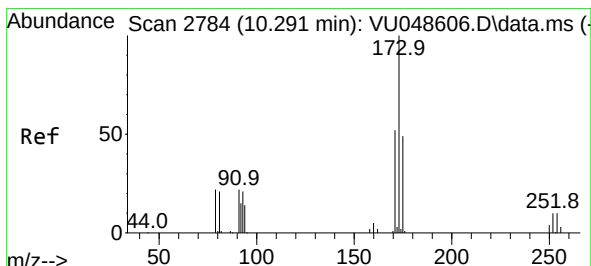
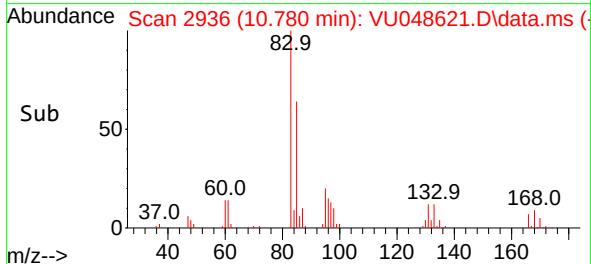
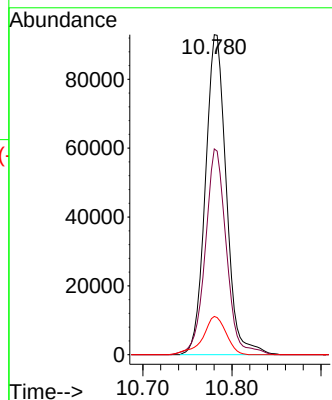
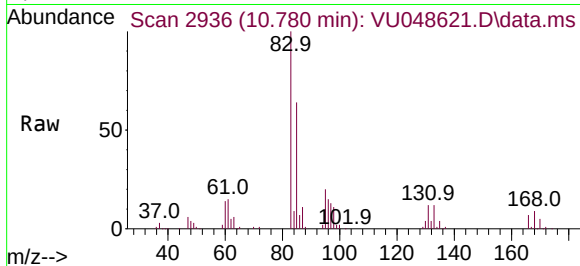




#57
1,1,2,2-Tetrachloroethane
Concen: 47.303 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

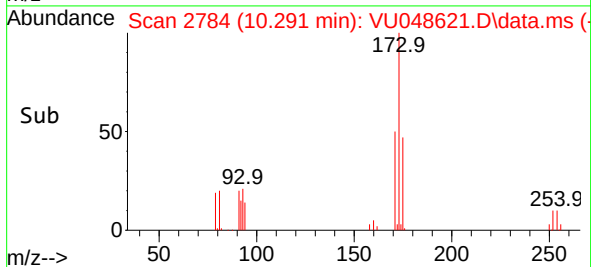
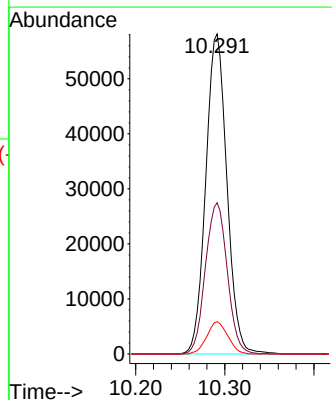
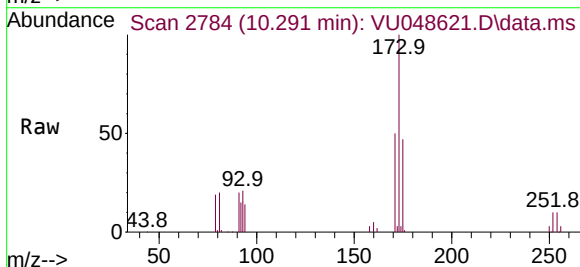
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

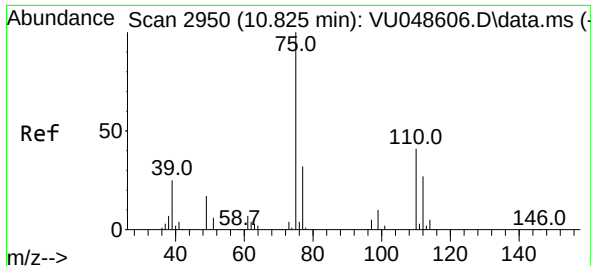
Tgt Ion: 83 Resp: 151233
Ion Ratio Lower Upper
83 100
85 64.3 44.1 81.9
131 12.0 8.9 13.3



#59
Bromoform
Concen: 48.905 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 173 Resp: 95793
Ion Ratio Lower Upper
173 100
175 48.8 38.2 57.4
254 10.0 7.7 11.5

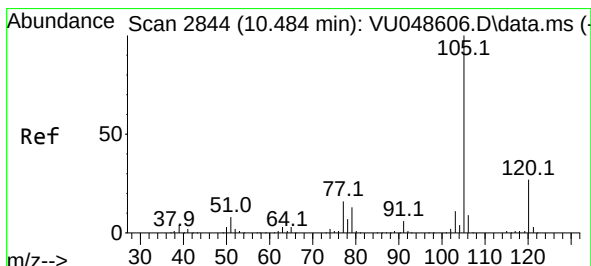
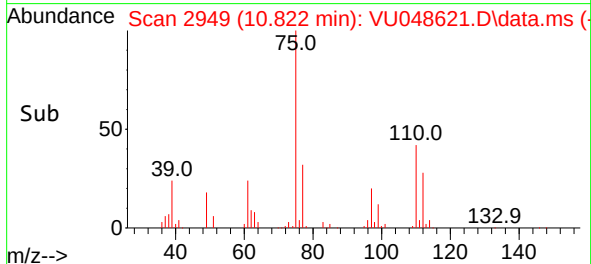
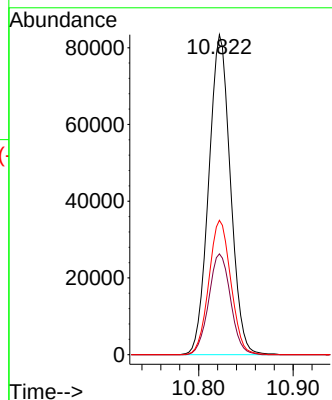
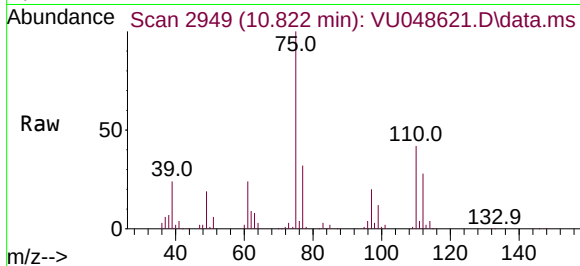




#60
1,2,3-Trichloropropane
Concen: 47.038 ug/L
RT: 10.822 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

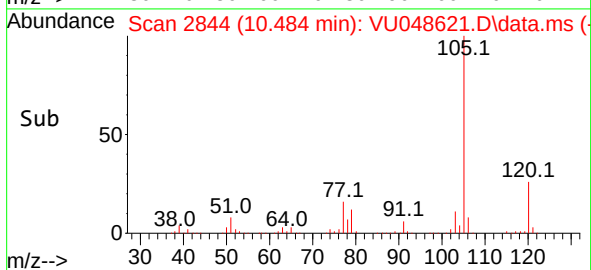
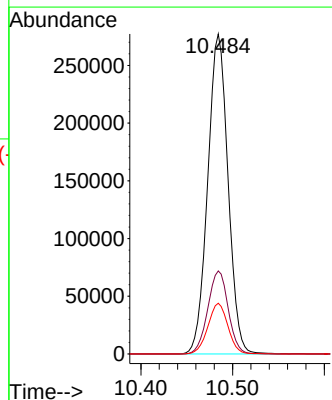
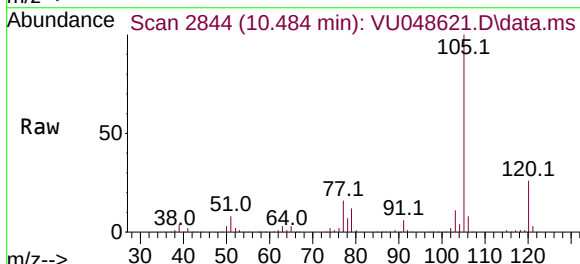
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

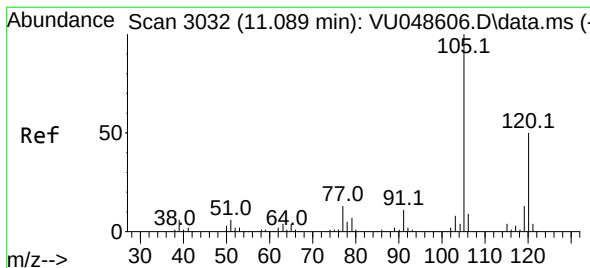
Tgt Ion: 75 Resp: 132931
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
110 42.6 32.1 48.1



#61
Isopropylbenzene
Concen: 48.650 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion: 105 Resp: 426942
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 15.6 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 49.344 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

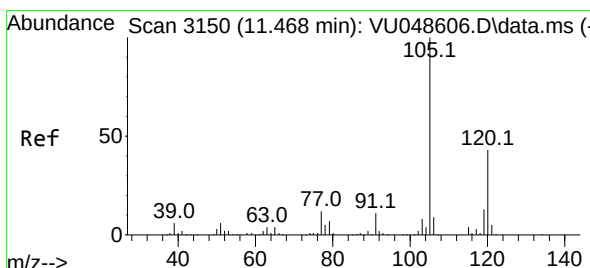
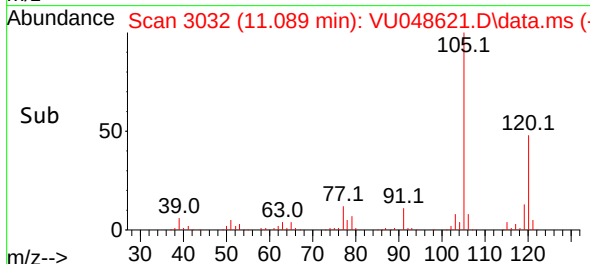
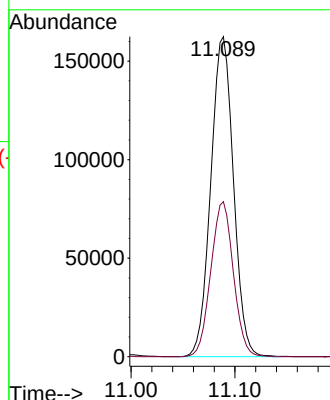
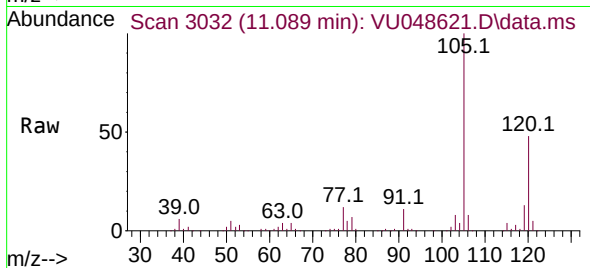
VSTD050133

Tgt Ion:105 Resp: 246184

Ion Ratio Lower Upper

105 100

120 48.1 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 50.129 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048621.D

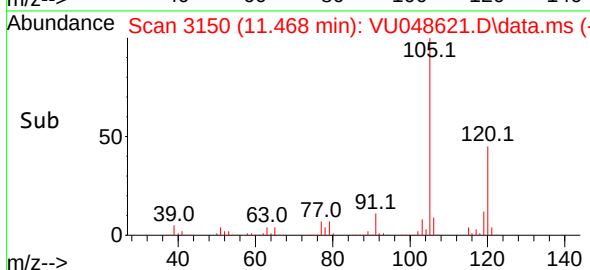
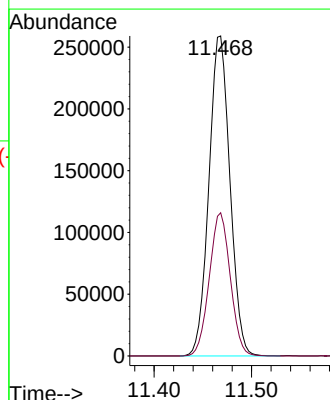
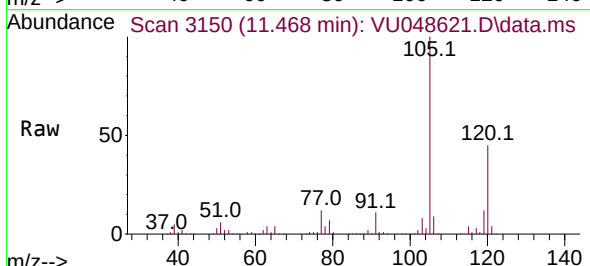
Acq: 18 May 2022 18:04

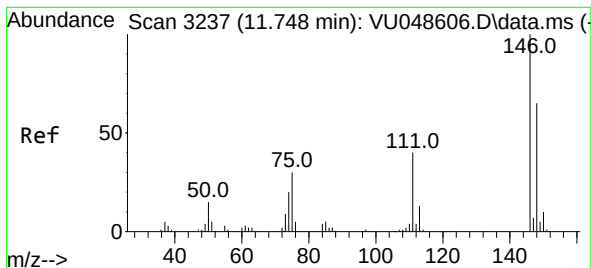
Tgt Ion:105 Resp: 388904

Ion Ratio Lower Upper

105 100

120 44.6 35.4 53.2





#64

1,3-Dichlorobenzene

Concen: 47.547 ug/L

RT: 11.745 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050133

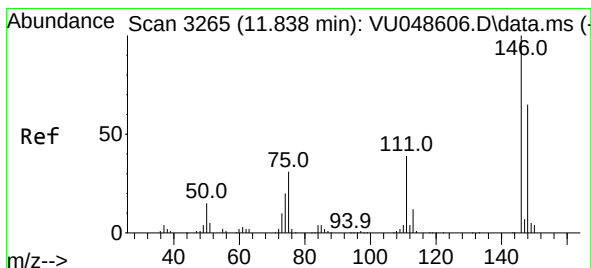
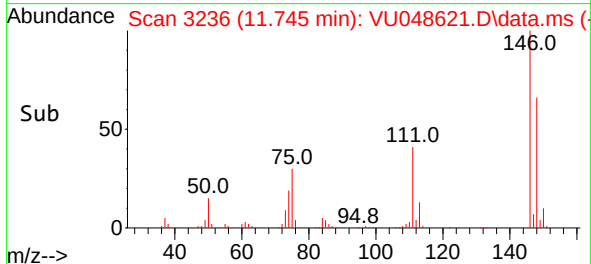
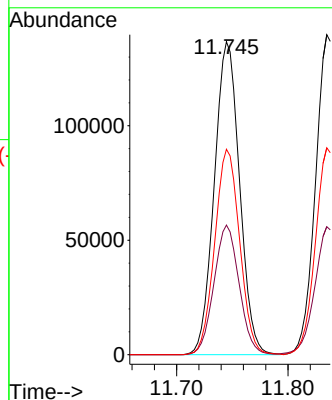
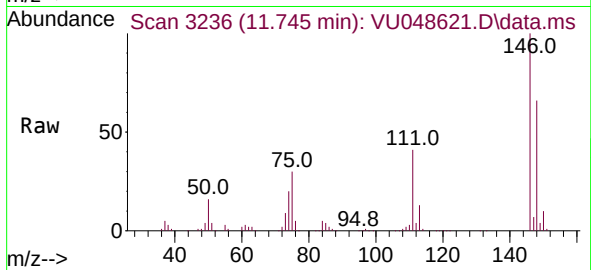
Tgt Ion:146 Resp: 215177

Ion Ratio Lower Upper

146 100

111 41.4 28.7 53.3

148 65.6 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 46.157 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

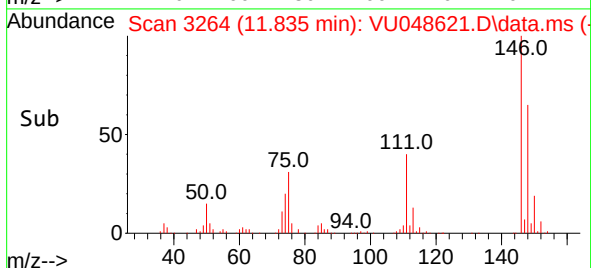
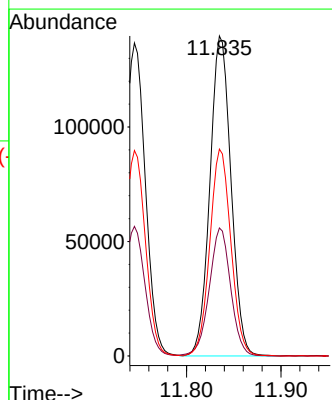
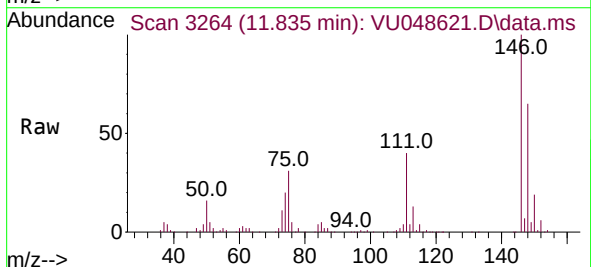
Tgt Ion:146 Resp: 216764

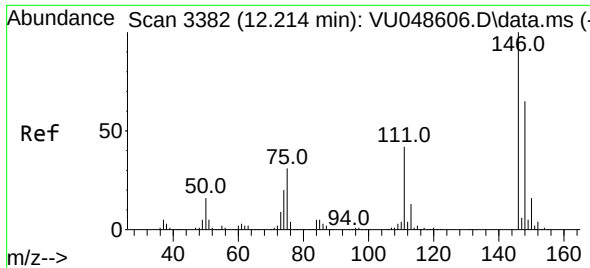
Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.2

148 64.6 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 46.753 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD050133

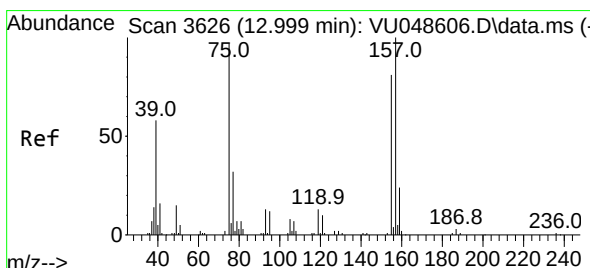
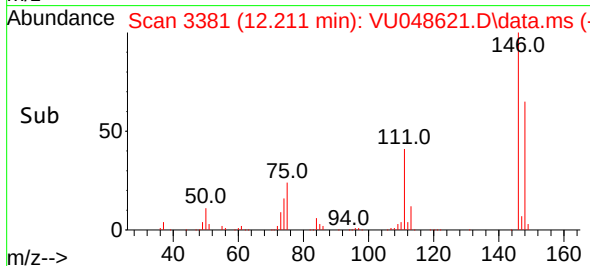
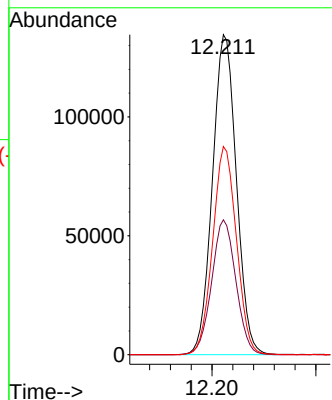
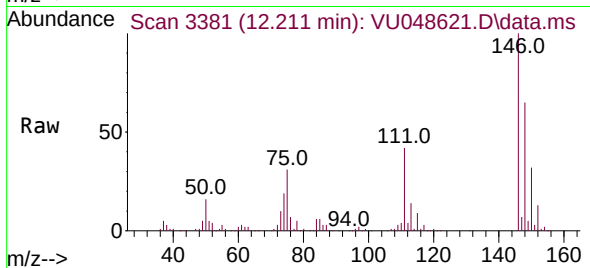
Tgt Ion:146 Resp: 215209

Ion Ratio Lower Upper

146 100

111 42.2 34.1 51.1

148 65.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 45.952 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU048621.D

Acq: 18 May 2022 18:04

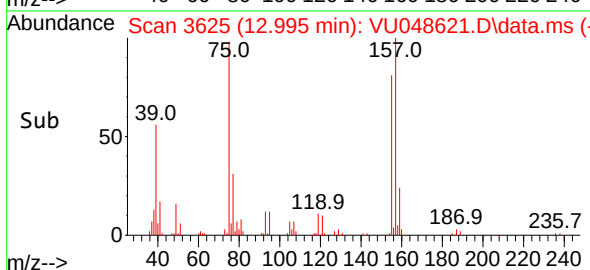
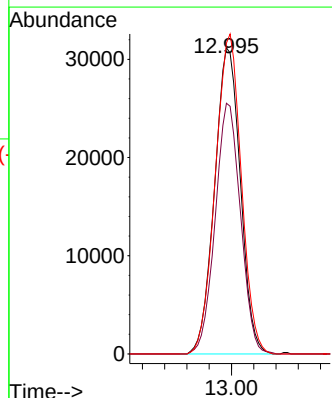
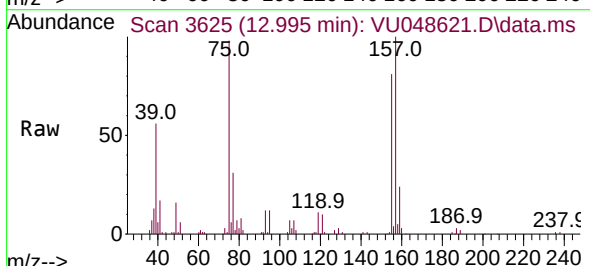
Tgt Ion: 75 Resp: 50209

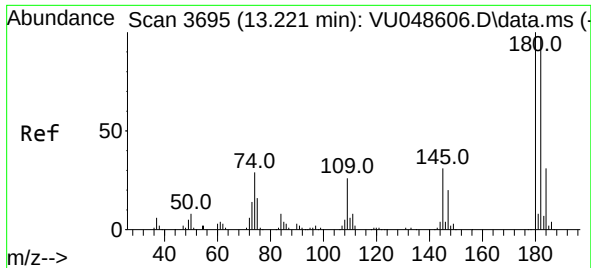
Ion Ratio Lower Upper

75 100

155 81.9 63.5 95.3

157 101.5 83.5 125.3

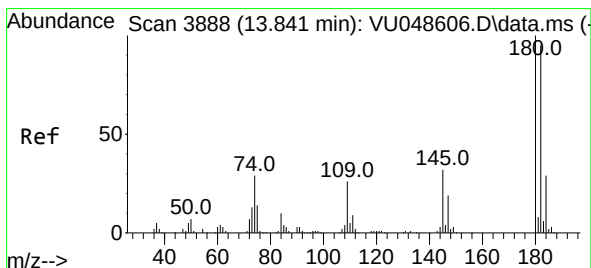
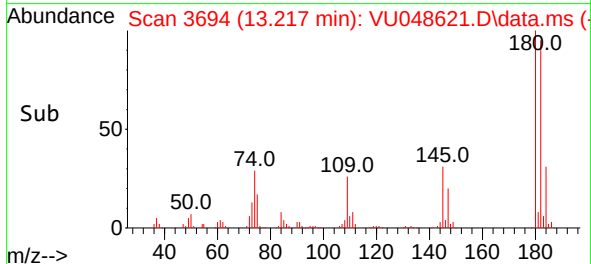
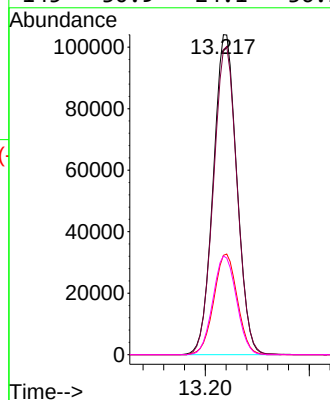
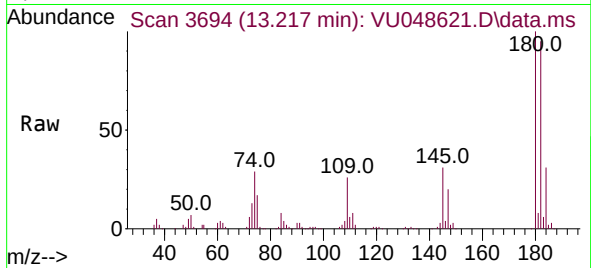




#69
1,3,5-Trichlorobenzene
Concen: 45.391 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

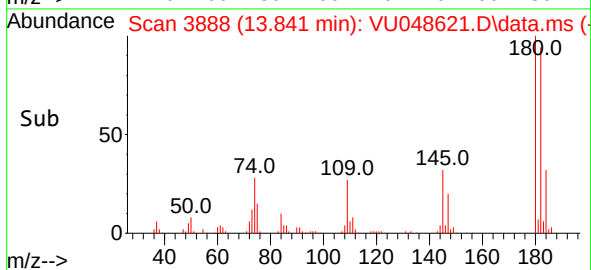
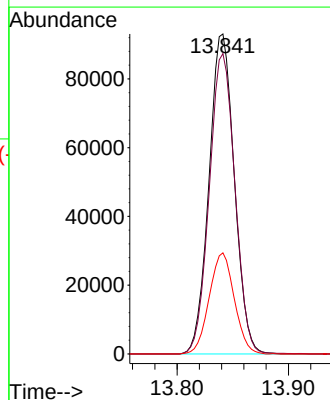
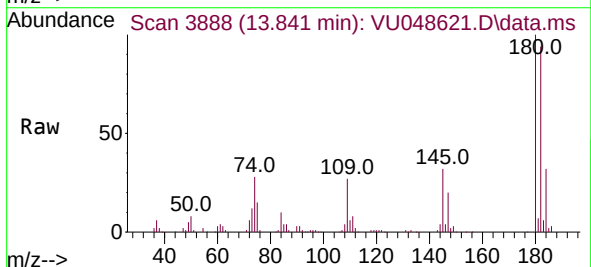
Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

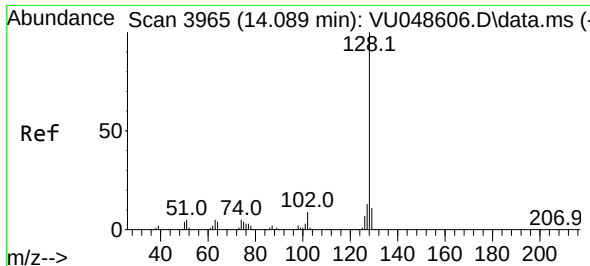
Tgt Ion:180 Resp: 163731
Ion Ratio Lower Upper
180 100
182 96.7 75.8 113.6
184 31.4 23.4 35.2
145 30.9 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 45.080 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion:180 Resp: 147069
Ion Ratio Lower Upper
180 100
182 94.9 75.8 113.8
145 31.3 24.9 37.3

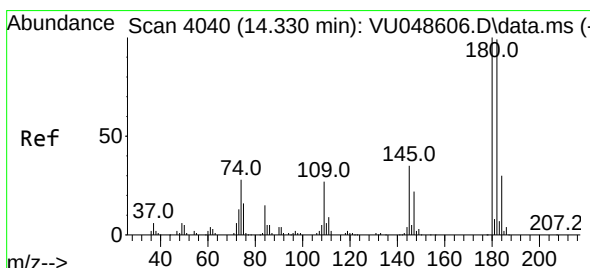
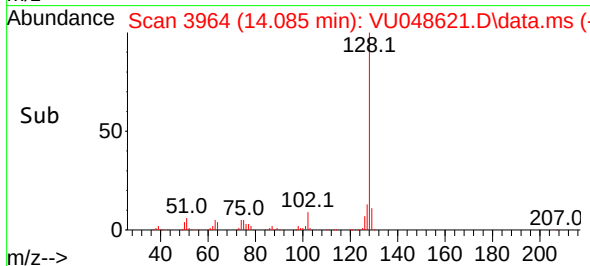
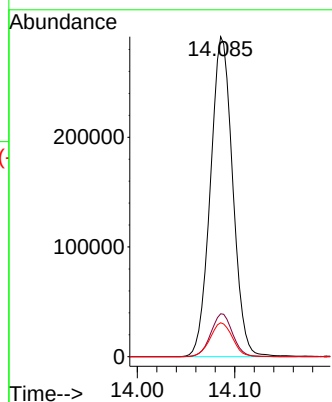
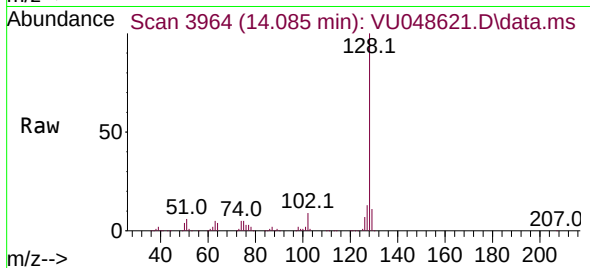




#71
Naphthalene
Concen: 43.094 ug/L
RT: 14.085 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD050133

Tgt Ion:128 Resp: 463574
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 45.468 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048621.D
Acq: 18 May 2022 18:04

Tgt Ion:180 Resp: 148932
Ion Ratio Lower Upper
180 100
182 95.7 75.6 113.4
145 32.9 27.1 40.7

