

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092622\
 Data File : VU050948.D
 Acq On : 26 Sep 2022 15:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

Quant Time: Sep 26 20:55:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 26 20:52:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	387400	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	398028	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	210098	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	134793	33.583	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.160%
7) Chloroethane-d5	1.909	69	125173	43.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.580%
11) 1,1-Dichloroethene-d2	2.568	63	253661	40.616	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.240%
21) 2-Butanone-d5	4.623	46	292567	112.906	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.910%
24) Chloroform-d	5.063	84	307469	48.882	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.760%
26) 1,2-Dichloroethane-d4	5.700	65	194261	50.114	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
32) Benzene-d6	5.726	84	586639	44.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
36) 1,2-Dichloropropane-d6	6.690	67	202245	45.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.400%
41) Toluene-d8	7.899	98	539006	47.034	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.060%
43) trans-1,3-Dichloroprop...	8.179	79	90158	46.832	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.660%
47) 2-Hexanone-d5	8.632	63	170594	93.545	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.540%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	329051	48.771	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.540%
66) 1,2-Dichlorobenzene-d4	12.192	152	207539	47.179	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	184998	46.118	ug/L	100
3) Chloromethane	1.520	50	218357	46.823	ug/L	99
5) Vinyl chloride	1.604	62	215062	47.106	ug/L	97
6) Bromomethane	1.858	94	130267	56.480	ug/L	95
8) Chloroethane	1.932	64	137993	54.591	ug/L	99
9) Trichlorofluoromethane	2.138	101	258198	52.139	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	163405	51.552	ug/L	99
12) 1,1-Dichloroethene	2.581	96	145785	48.949	ug/L	87
13) Acetone	2.629	43	287865	131.199	ug/L	100
14) Carbon disulfide	2.793	76	460047	48.848	ug/L	98
15) Methyl Acetate	2.948	43	226924	54.804	ug/L	99
16) Methylene chloride	3.044	84	197524	47.764	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	161383	52.868	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	495872	53.286	ug/L	99
19) 1,1-Dichloroethane	3.871	63	320854	52.019	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	184592	54.538	ug/L	95
22) 2-Butanone	4.703	43	368658	127.469	ug/L	100
23) Bromochloromethane	4.973	128	99028	55.825	ug/L	95
25) Chloroform	5.089	83	336363	54.719	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092622\
 Data File : VU050948.D
 Acq On : 26 Sep 2022 15:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

Quant Time: Sep 26 20:55:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 26 20:52:47 2022
 Response via : Initial Calibration

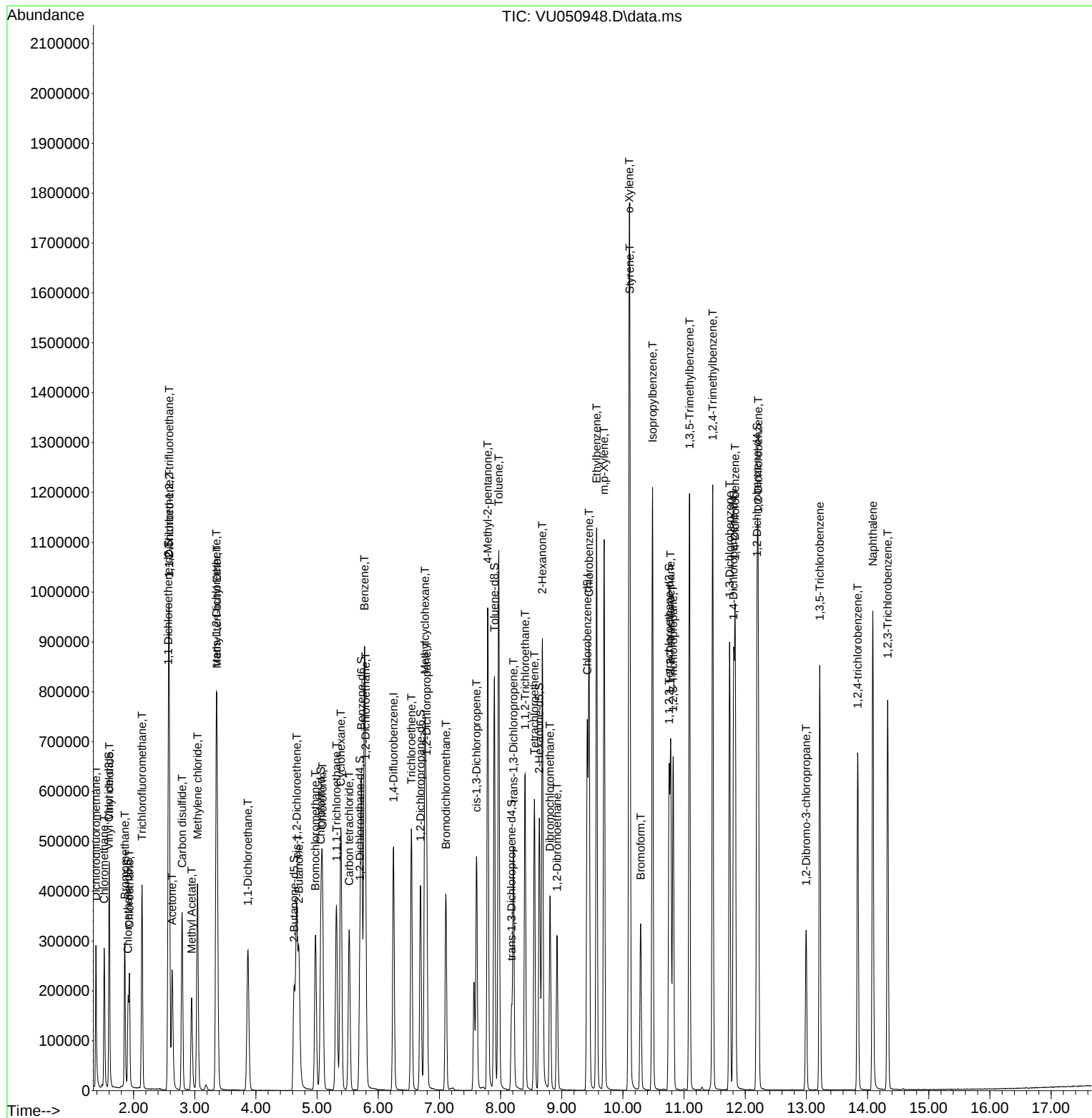
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	263381	56.380	ug/L	98
29) Cyclohexane	5.391	56	245509	44.821	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	264707	49.989	ug/L	100
31) Carbon tetrachloride	5.523	117	218242	49.612	ug/L	99
33) Benzene	5.774	78	751091	51.276	ug/L	100
34) Trichloroethene	6.543	95	182162	53.537	ug/L	98
35) Methylcyclohexane	6.764	83	263824	48.122	ug/L	98
37) 1,2-Dichloropropane	6.790	63	208065	51.909	ug/L	100
38) Bromodichloromethane	7.105	83	254241	53.237	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	274896	51.250	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	602707	109.107	ug/L	99
42) Toluene	7.970	91	786199	54.066	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	273972	53.694	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	196697	53.250	ug/L	99
46) Tetrachloroethene	8.552	164	126585	51.770	ug/L	99
48) 2-Hexanone	8.684	43	532516	115.367	ug/L	98
49) Dibromochloromethane	8.809	129	197480	54.524	ug/L	98
50) 1,2-Dibromoethane	8.922	107	207347	54.103	ug/L	100
51) Chlorobenzene	9.446	112	467057	52.611	ug/L	99
52) Ethylbenzene	9.571	91	769489	53.044	ug/L	99
53) m,p-Xylene	9.694	106	302818	56.147	ug/L	98
54) o-Xylene	10.102	106	290868	54.128	ug/L	99
55) Styrene	10.115	104	533908	57.950	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	340804	49.862	ug/L	98
59) Bromoform	10.292	173	148182	48.866	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	277517	46.961	ug/L	99
61) Isopropylbenzene	10.484	105	738968	49.217	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	621395	50.345	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	634525	51.912	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	358754	52.250	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	360318	51.691	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	368428	50.678	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	83692	51.492	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	253457	52.761	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	206956	52.643	ug/L	99
71) Naphthalene	14.086	128	750601	49.679	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	232436	52.827	ug/L	100

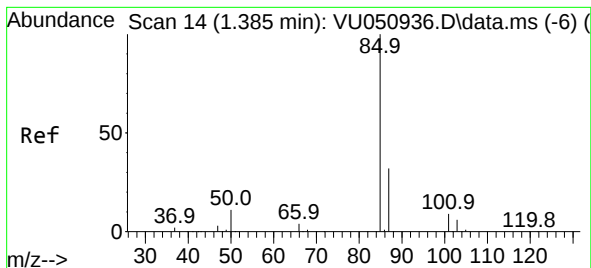
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092622\
 Data File : VU050948.D
 Acq On : 26 Sep 2022 15:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

Quant Time: Sep 26 20:55:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 26 20:52:47 2022
 Response via : Initial Calibration

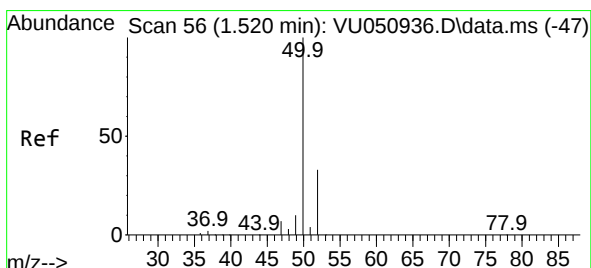
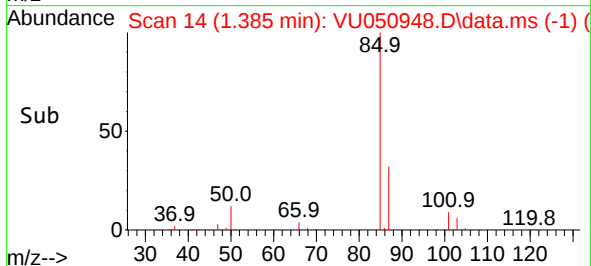
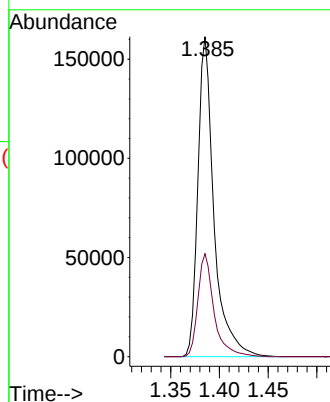
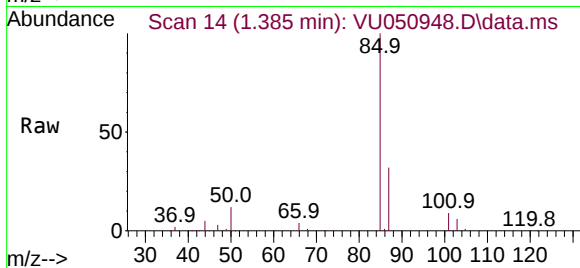




#2
Dichlorodifluoromethane
Concen: 46.118 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

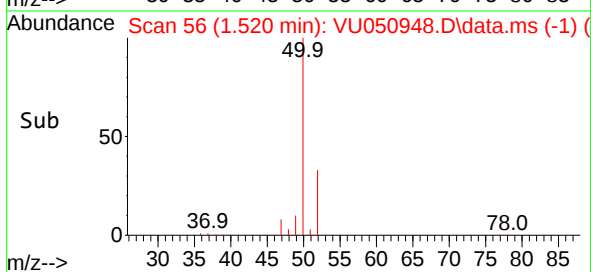
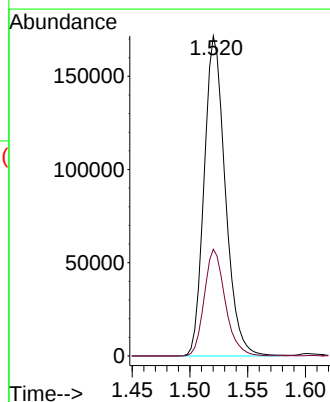
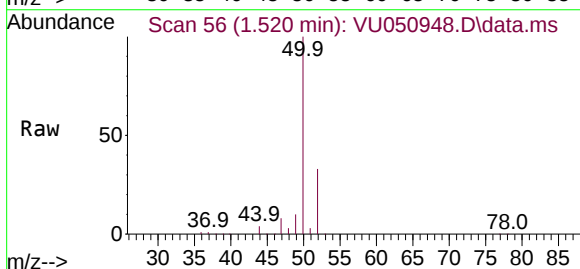
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

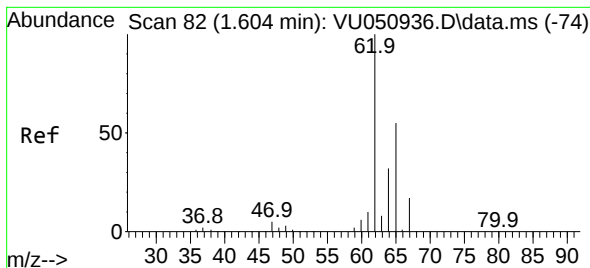
Tgt Ion: 85 Resp: 184998
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.8



#3
Chloromethane
Concen: 46.823 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion: 50 Resp: 218357
Ion Ratio Lower Upper
50 100
52 33.3 23.7 43.9





#5

Vinyl chloride

Concen: 47.106 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

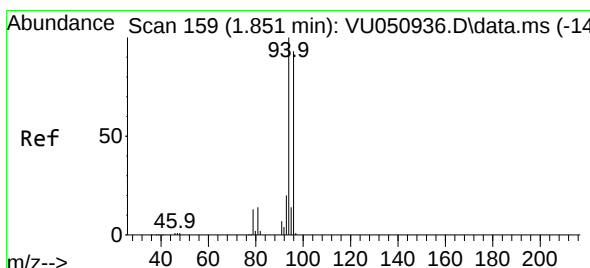
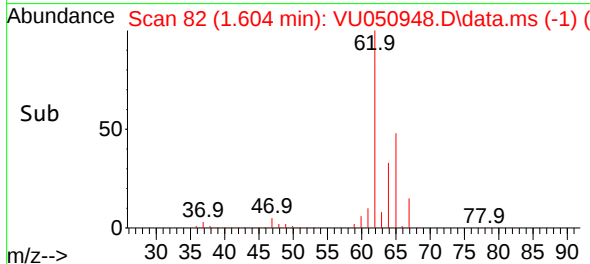
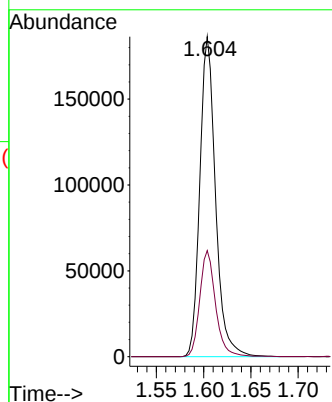
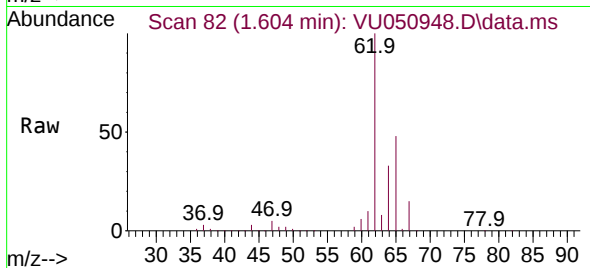
VSTD050096

Tgt Ion: 62 Resp: 215062

Ion Ratio Lower Upper

62 100

64 33.1 22.2 41.2



#6

Bromomethane

Concen: 56.480 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.006 min

Lab File: VU050948.D

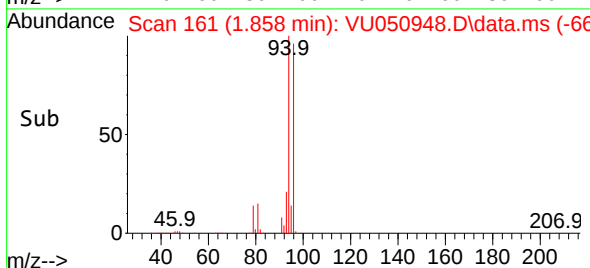
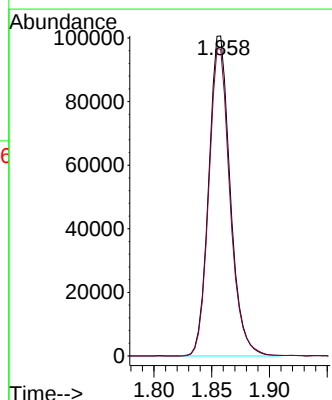
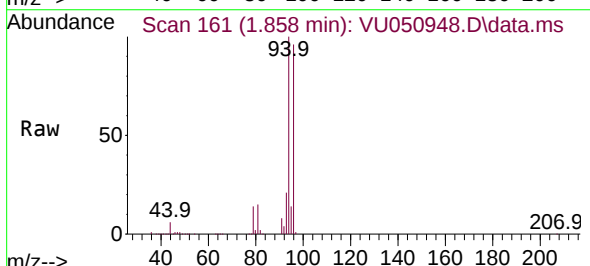
Acq: 26 Sep 2022 15:58

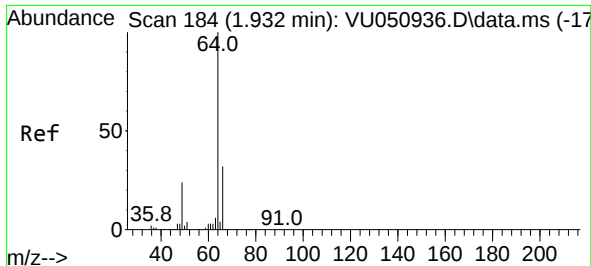
Tgt Ion: 94 Resp: 130267

Ion Ratio Lower Upper

94 100

96 95.9 64.0 119.0

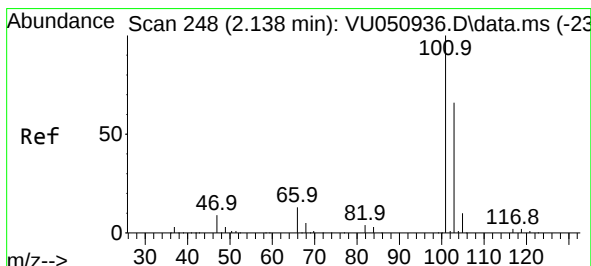
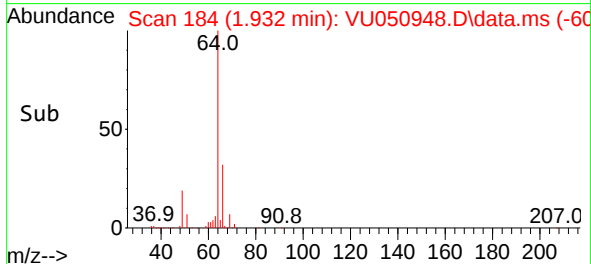
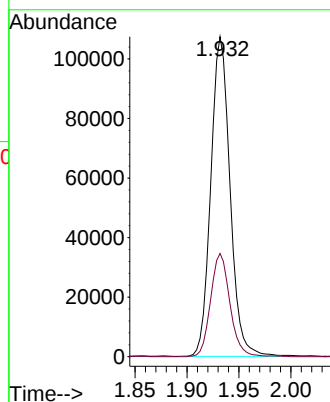
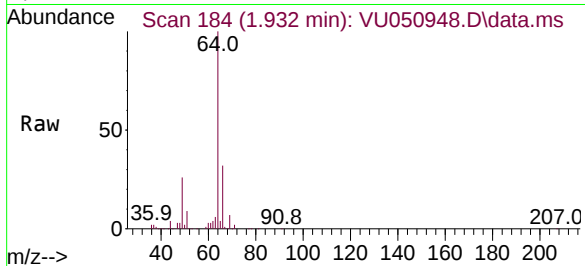




#8
Chloroethane
Concen: 54.591 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

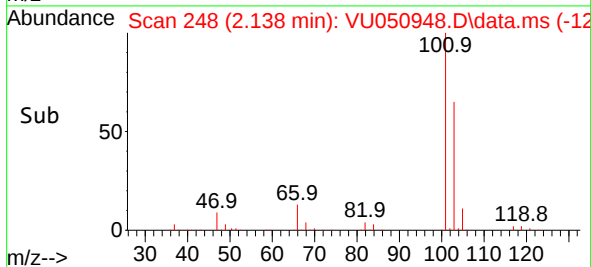
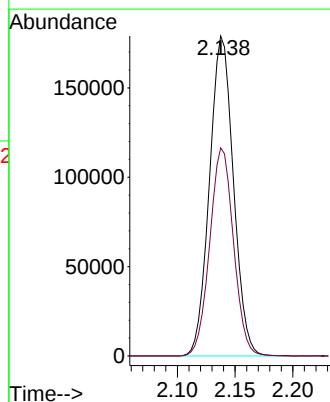
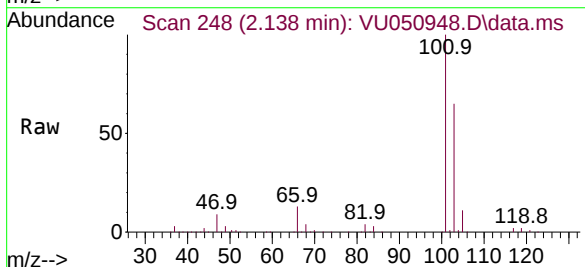
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

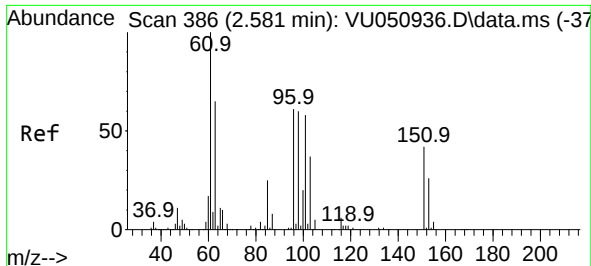
Tgt Ion: 64 Resp: 137993
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 52.139 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion:101 Resp: 258198
Ion Ratio Lower Upper
101 100
103 64.5 50.9 76.3

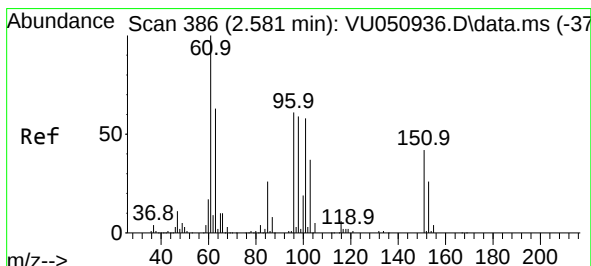
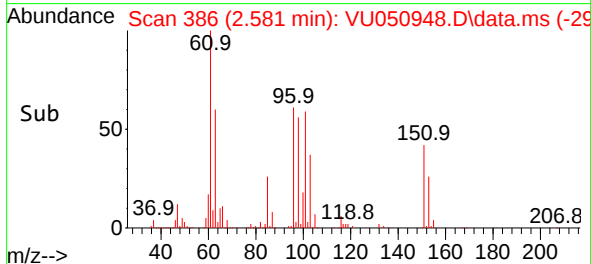
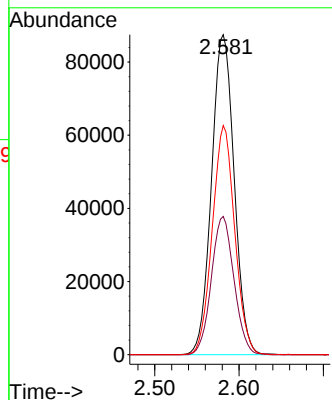
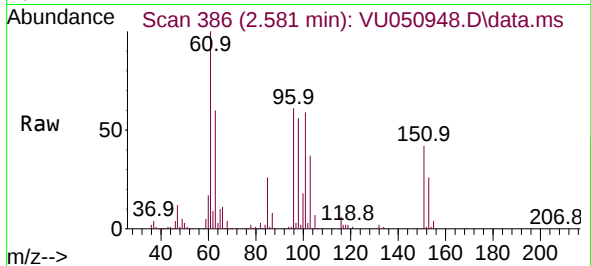




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.552 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU050948.D
 Acq: 26 Sep 2022 15:58

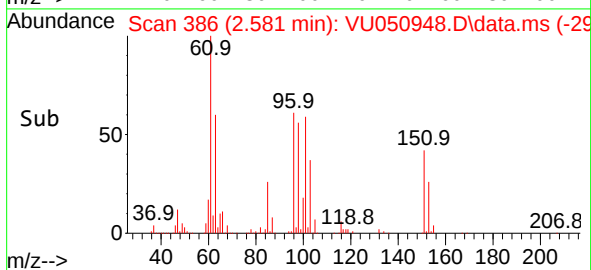
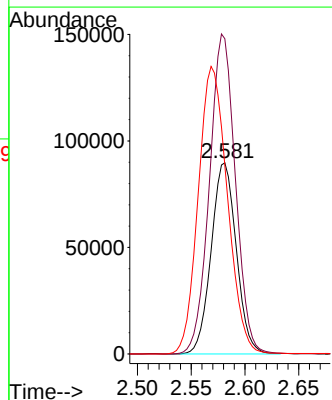
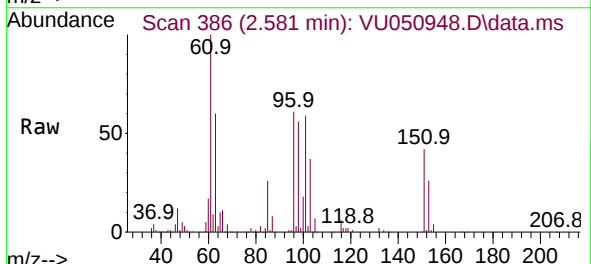
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

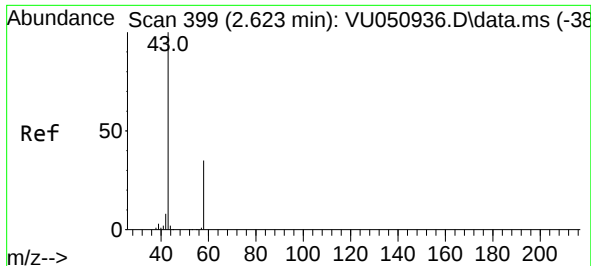
Tgt Ion: 101 Resp: 163405
 Ion Ratio Lower Upper
 101 100
 85 43.1 35.1 52.7
 151 71.0 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 48.949 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU050948.D
 Acq: 26 Sep 2022 15:58

Tgt Ion: 96 Resp: 145785
 Ion Ratio Lower Upper
 96 100
 61 164.9 118.6 220.2
 63 98.6 90.4 168.0





#13

Acetone

Concen: 131.199 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

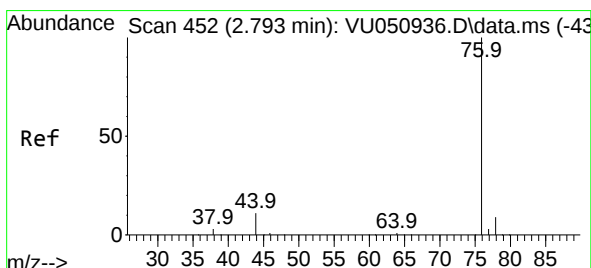
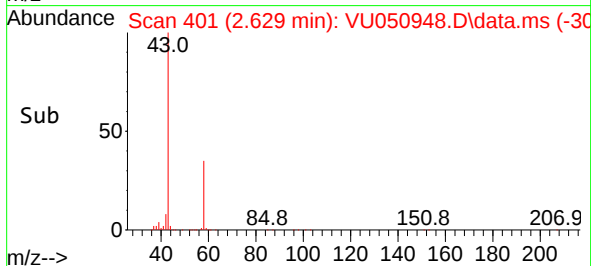
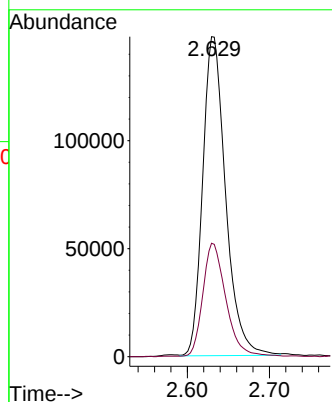
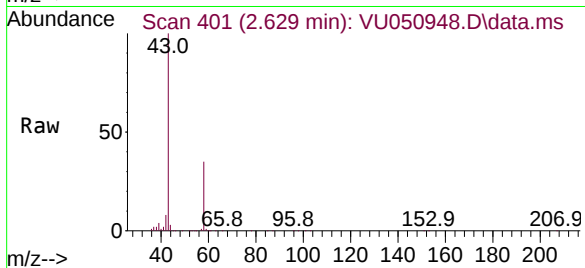
VSTD050096

Tgt Ion: 43 Resp: 287865

Ion Ratio Lower Upper

43 100

58 35.9 0.0 71.4



#14

Carbon disulfide

Concen: 48.848 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU050948.D

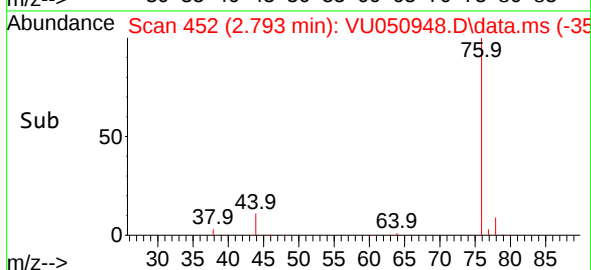
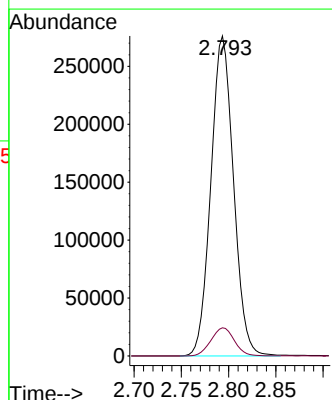
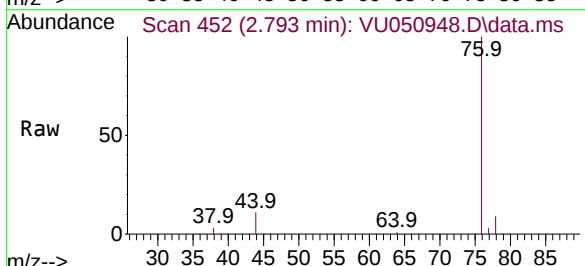
Acq: 26 Sep 2022 15:58

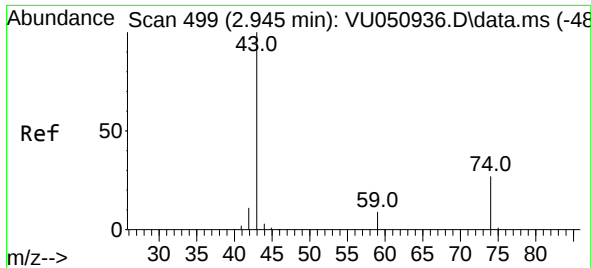
Tgt Ion: 76 Resp: 460047

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

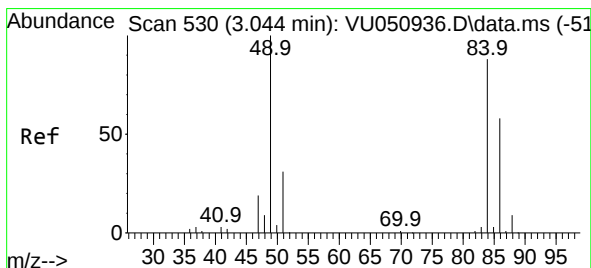
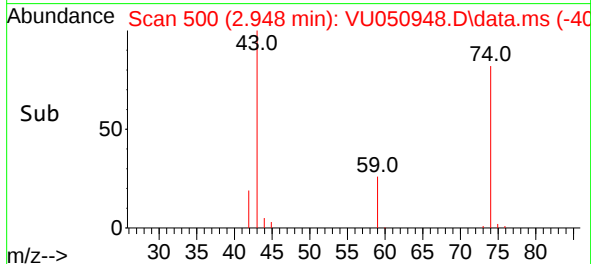
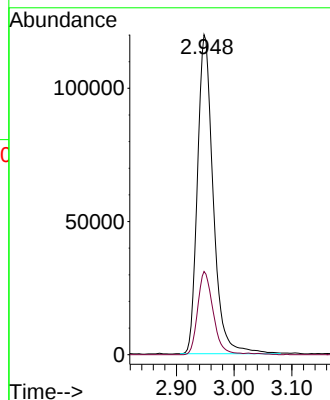
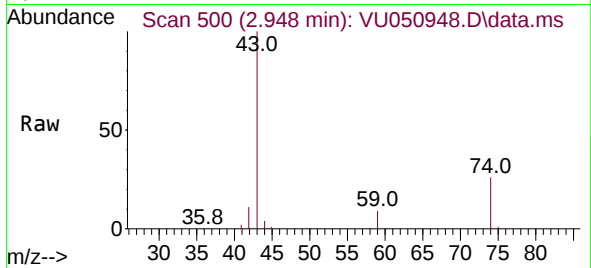




#15
Methyl Acetate
Concen: 54.804 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

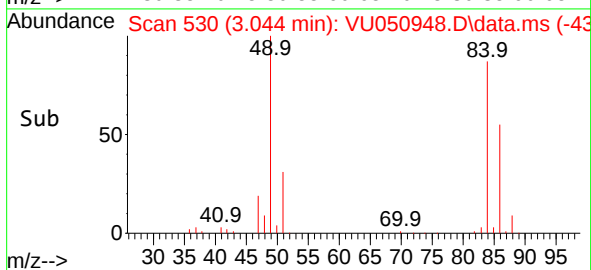
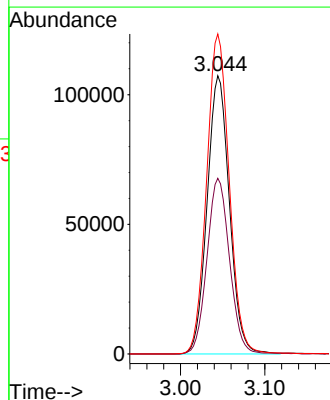
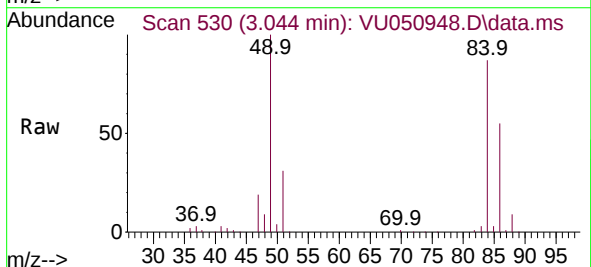
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

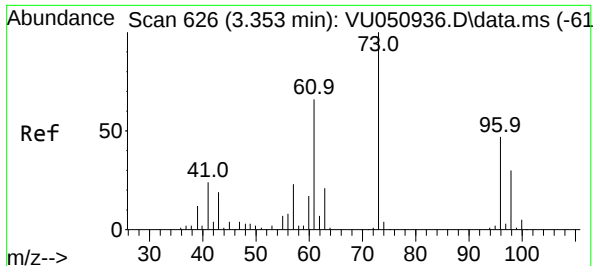
Tgt Ion: 43 Resp: 226924
Ion Ratio Lower Upper
43 100
74 25.5 19.9 29.9



#16
Methylene chloride
Concen: 47.764 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion: 84 Resp: 197524
Ion Ratio Lower Upper
84 100
86 63.1 44.4 82.5
49 115.0 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 52.868 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096

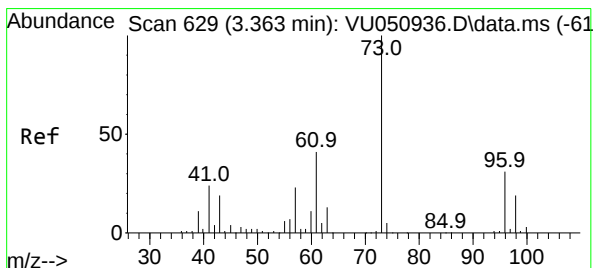
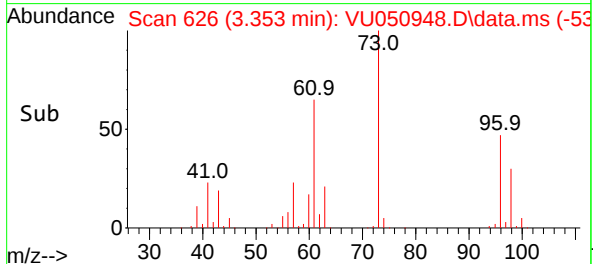
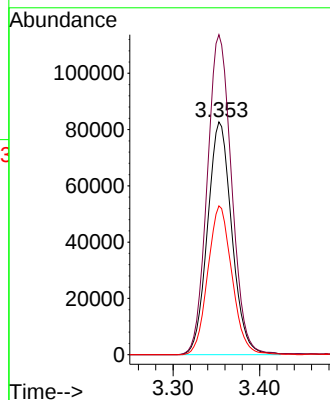
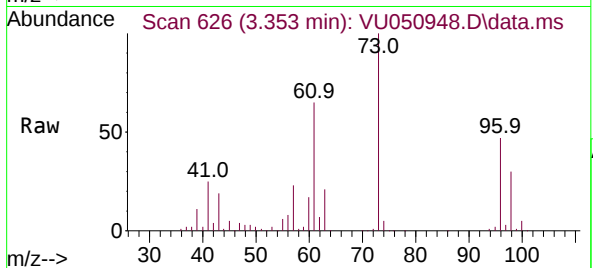
Tgt Ion: 96 Resp: 161383

Ion Ratio Lower Upper

96 100

61 137.4 98.0 182.0

98 63.9 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 53.286 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

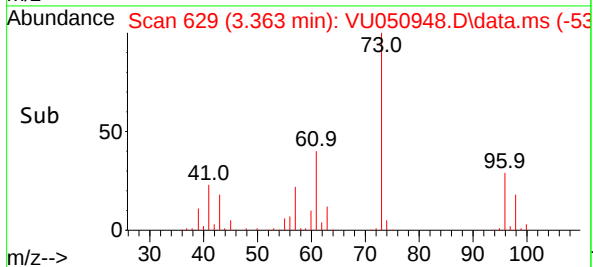
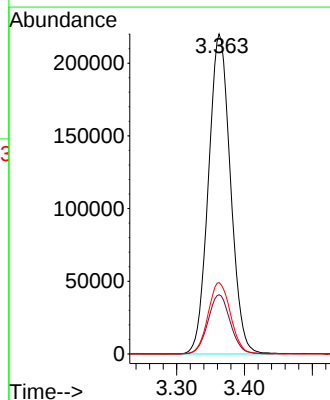
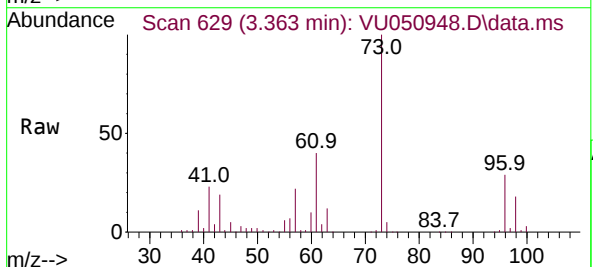
Tgt Ion: 73 Resp: 495872

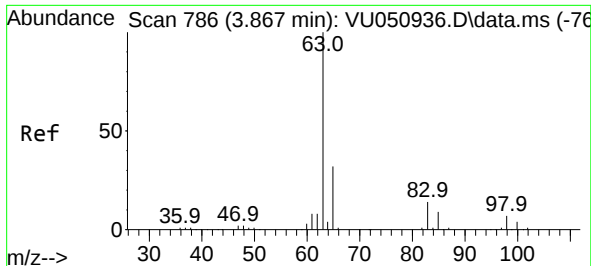
Ion Ratio Lower Upper

73 100

43 18.6 14.4 21.6

57 22.9 18.6 27.8





#19

1,1-Dichloroethane

Concen: 52.019 ug/L

RT: 3.871 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096

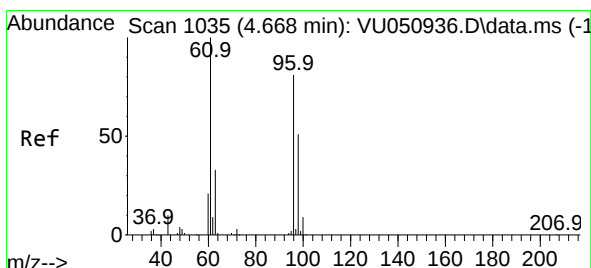
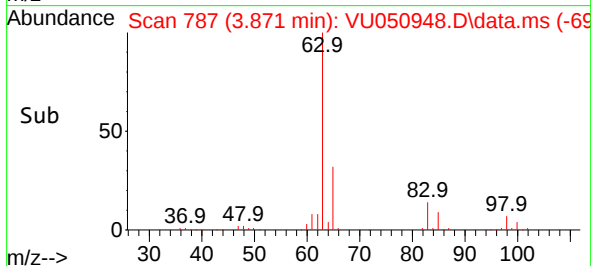
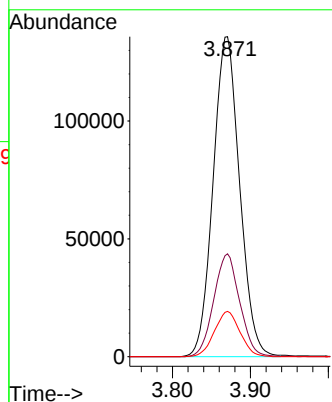
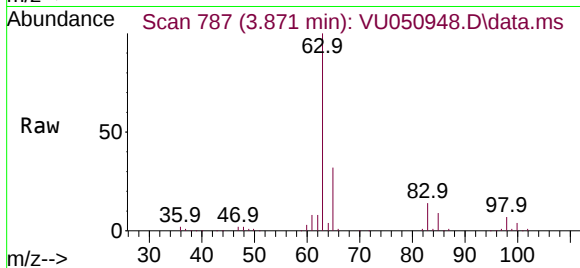
Tgt Ion: 63 Resp: 320854

Ion Ratio Lower Upper

63 100

65 32.1 21.5 39.9

83 14.1 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 54.538 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

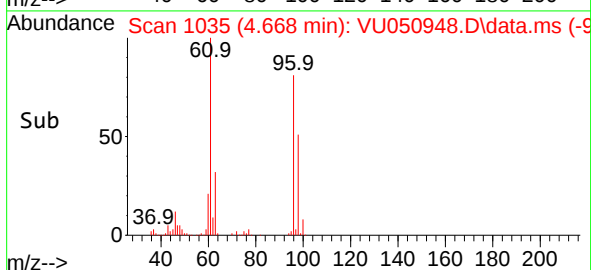
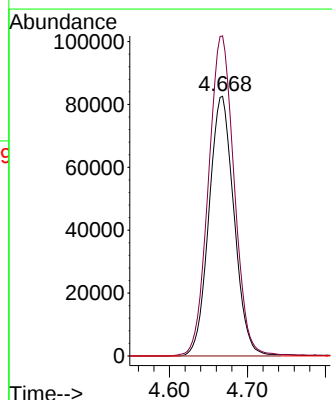
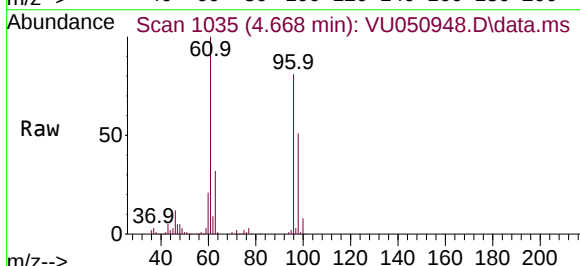
Tgt Ion: 96 Resp: 184592

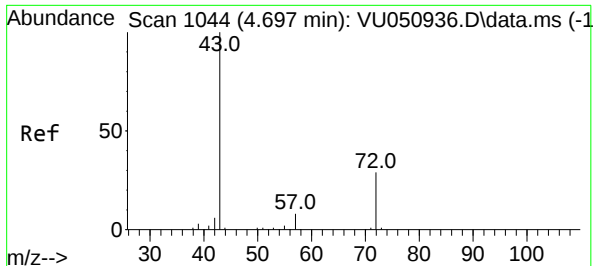
Ion Ratio Lower Upper

96 100

61 123.3 90.1 167.3

68 0.0 0.0 0.0

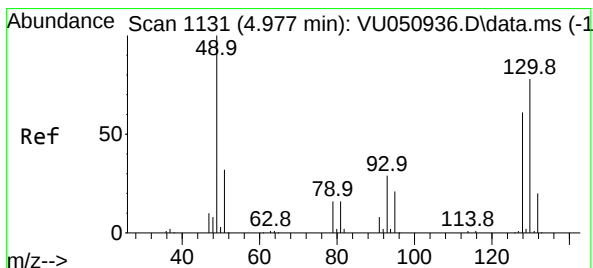
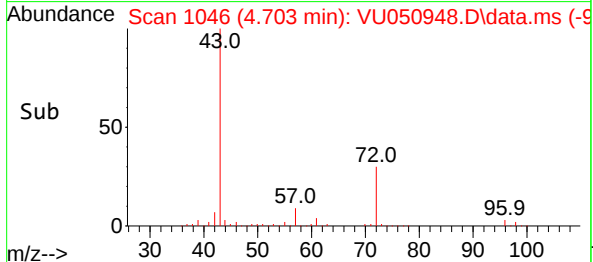
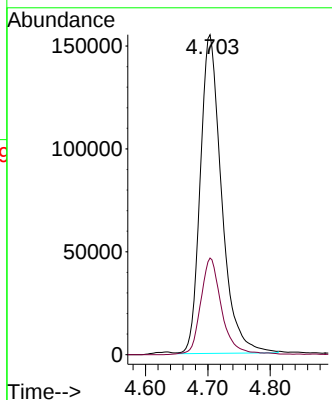
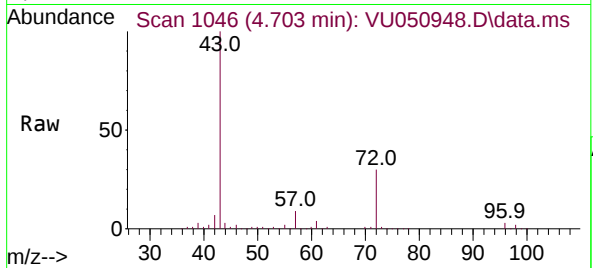




#22
2-Butanone
Concen: 127.469 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

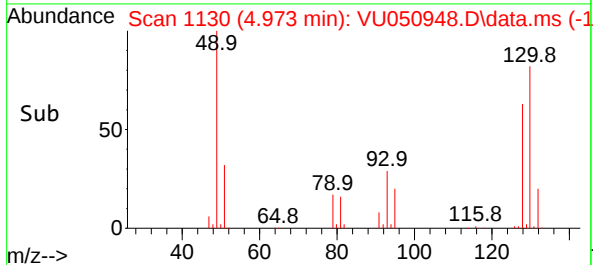
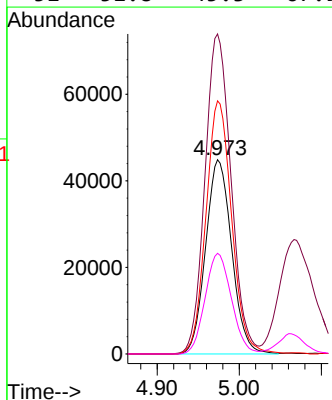
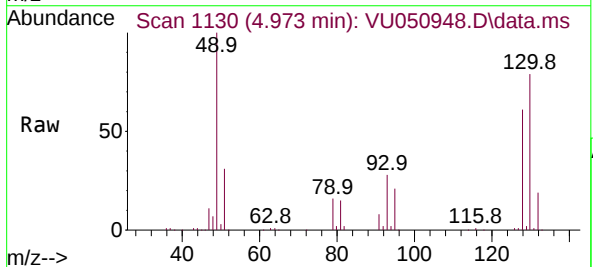
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

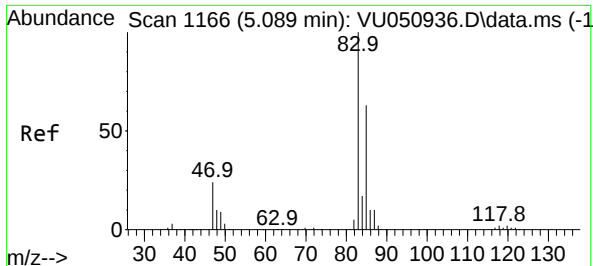
Tgt Ion: 43 Resp: 368658
Ion Ratio Lower Upper
43 100
72 29.7 14.8 44.3



#23
Bromochloromethane
Concen: 55.825 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion:128 Resp: 99028
Ion Ratio Lower Upper
128 100
49 164.7 123.1 228.5
130 130.3 90.9 168.7
51 51.8 45.3 67.9





#25

Chloroform

Concen: 54.719 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

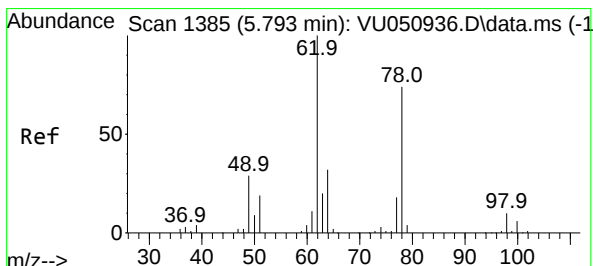
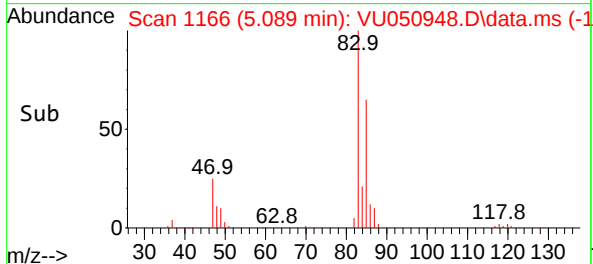
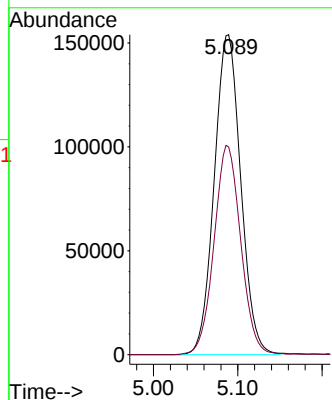
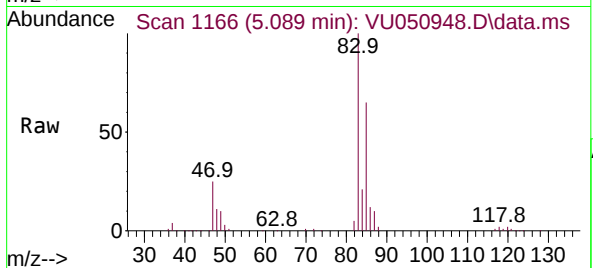
VSTD050096

Tgt Ion: 83 Resp: 336363

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 56.380 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050948.D

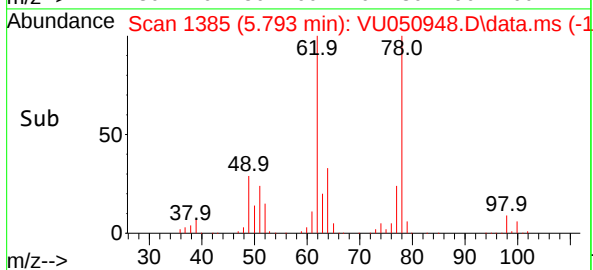
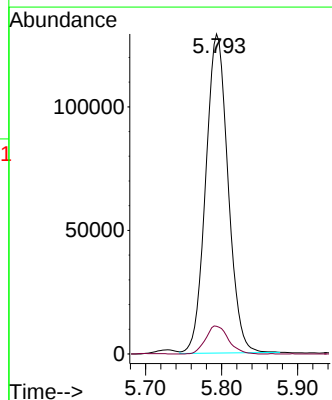
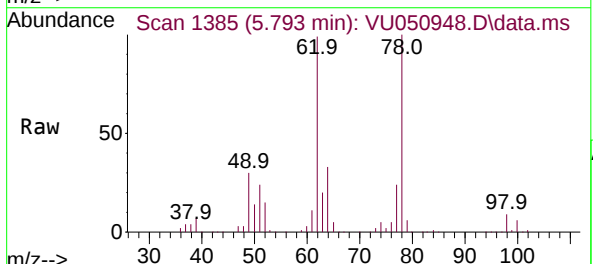
Acq: 26 Sep 2022 15:58

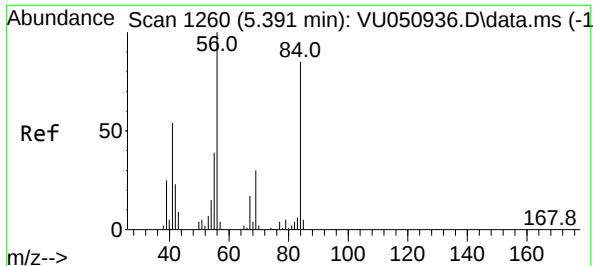
Tgt Ion: 62 Resp: 263381

Ion Ratio Lower Upper

62 100

98 8.6 7.4 11.0





#29

Cyclohexane

Concen: 44.821 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096

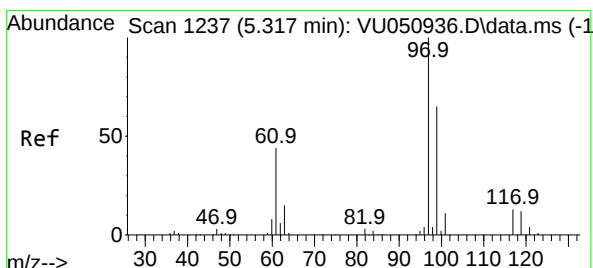
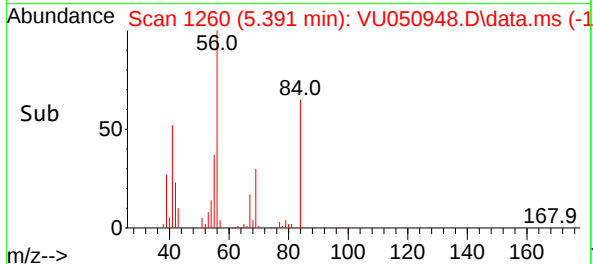
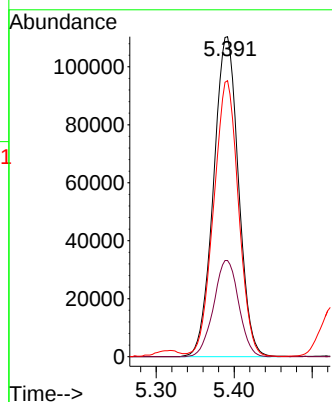
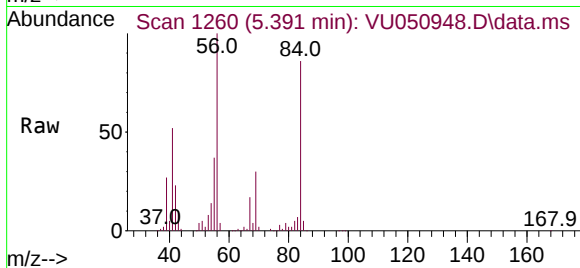
Tgt Ion: 56 Resp: 245509

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

84 86.1 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 49.989 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

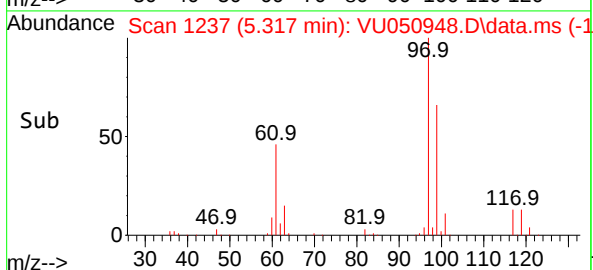
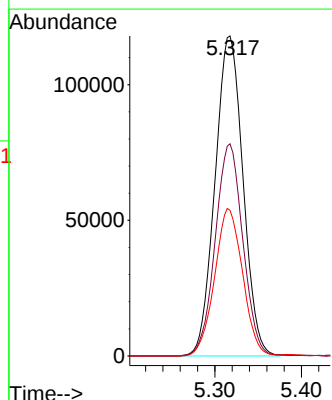
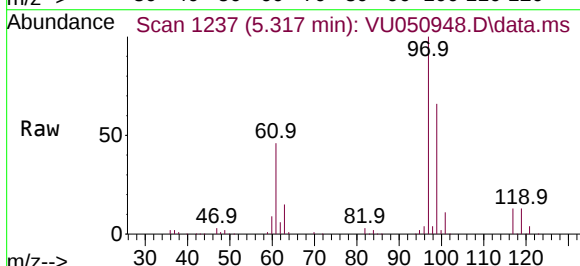
Tgt Ion: 97 Resp: 264707

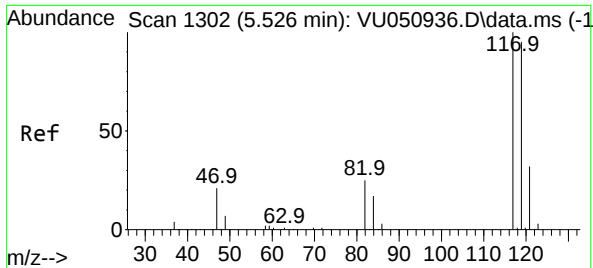
Ion Ratio Lower Upper

97 100

99 65.4 52.2 78.2

61 46.1 37.1 55.7

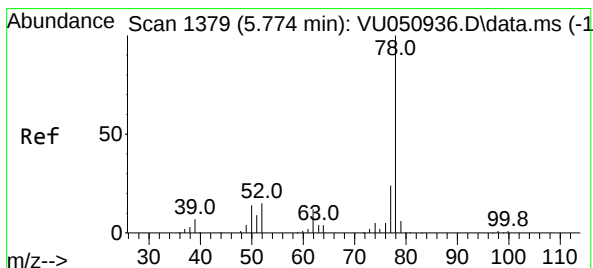
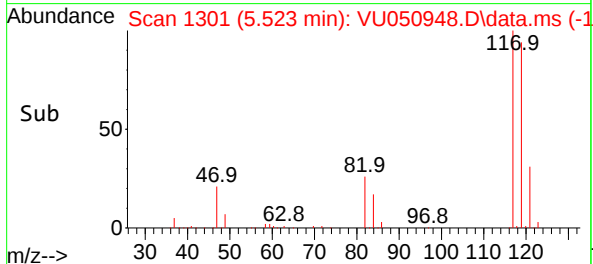
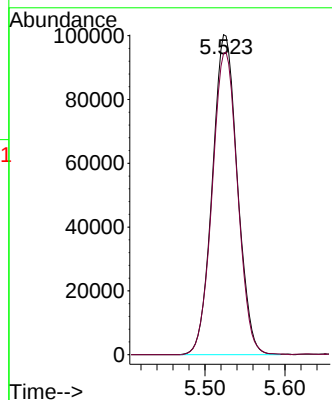
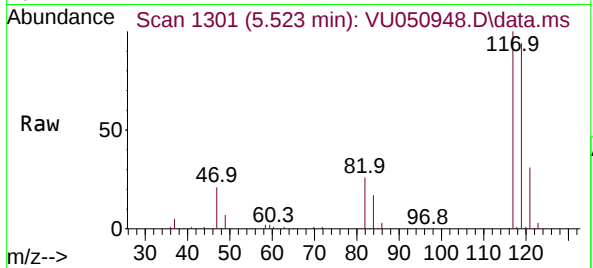




#31
Carbon tetrachloride
Concen: 49.612 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

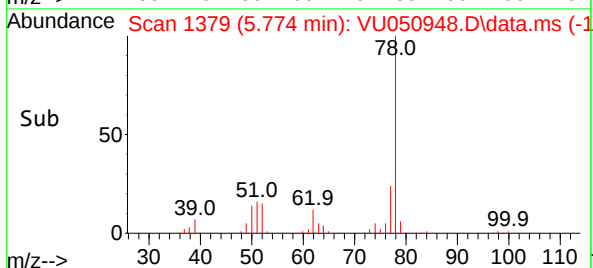
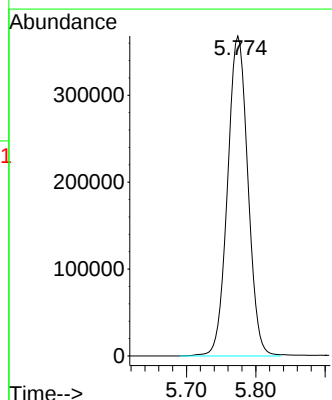
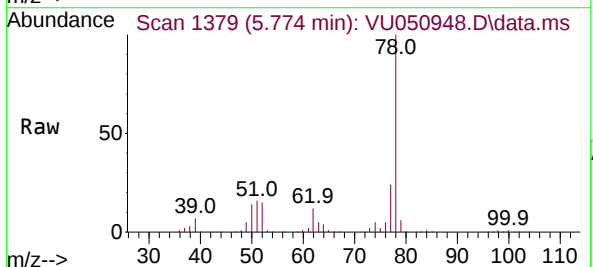
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

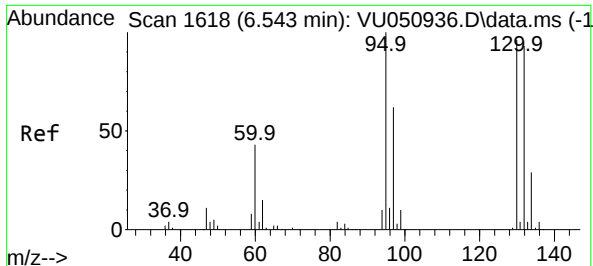
Tgt Ion:117 Resp: 218242
Ion Ratio Lower Upper
117 100
119 95.7 76.0 114.0



#33
Benzene
Concen: 51.276 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion: 78 Resp: 751091

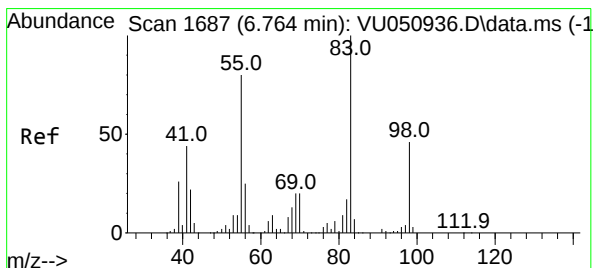
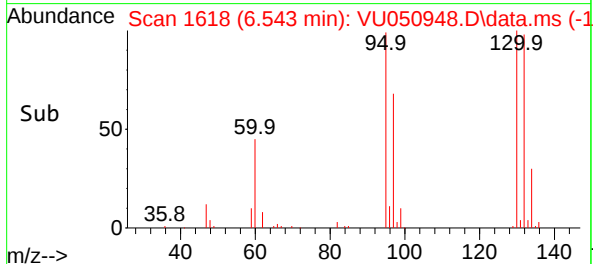
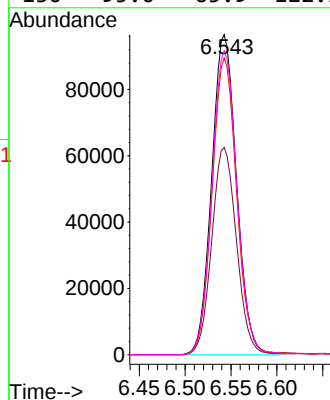
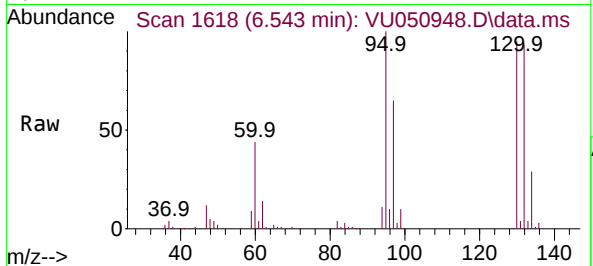




#34
Trichloroethene
Concen: 53.537 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

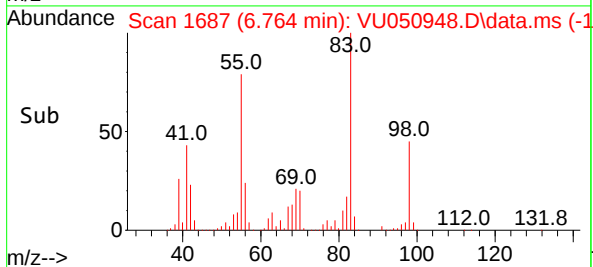
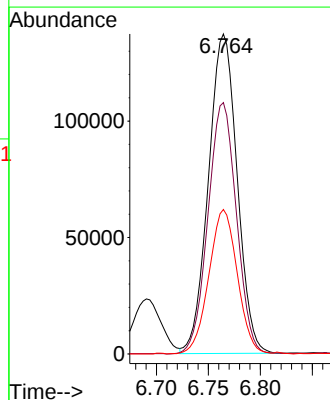
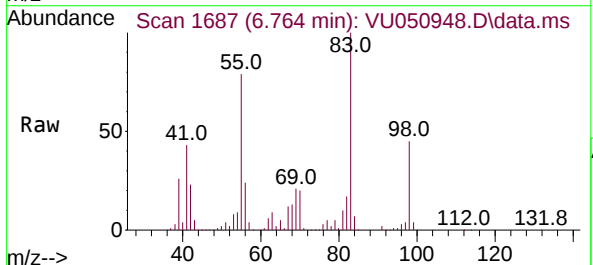
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

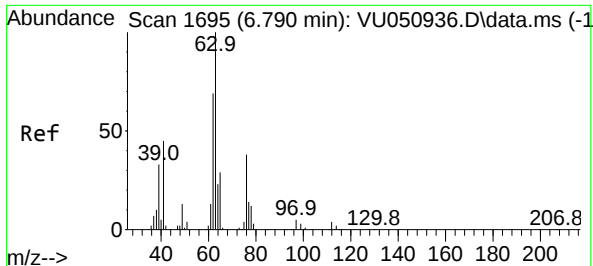
Tgt Ion: 95 Resp: 182162
Ion Ratio Lower Upper
95 100
97 64.8 43.9 81.5
132 92.7 63.1 117.1
130 95.0 65.9 122.3



#35
Methylcyclohexane
Concen: 48.122 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion: 83 Resp: 263824
Ion Ratio Lower Upper
83 100
55 78.1 64.7 97.1
98 44.7 35.2 52.8





#37

1,2-Dichloropropane

Concen: 51.909 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

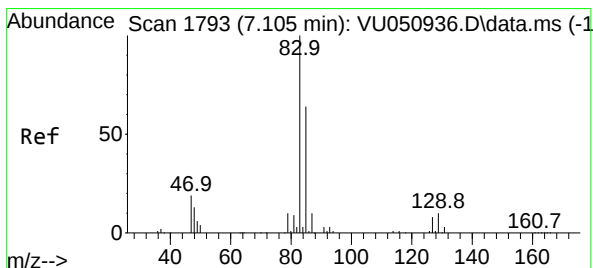
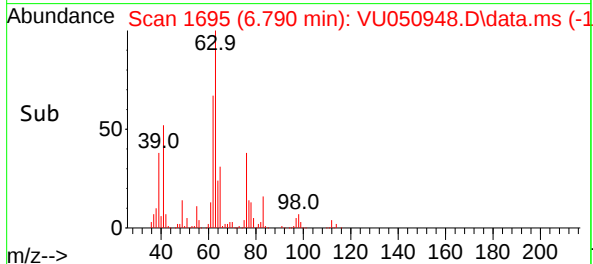
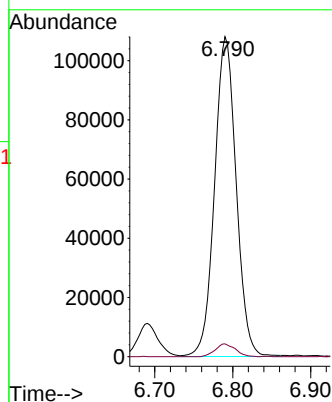
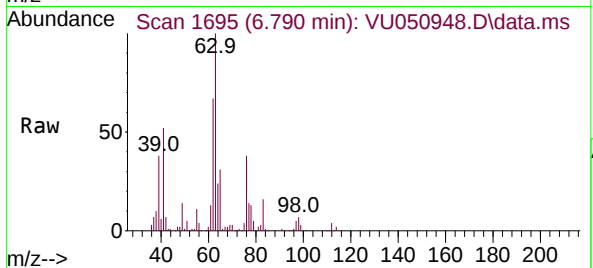
VSTD050096

Tgt Ion: 63 Resp: 208065

Ion Ratio Lower Upper

63 100

112 3.8 2.9 4.3



#38

Bromodichloromethane

Concen: 53.237 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

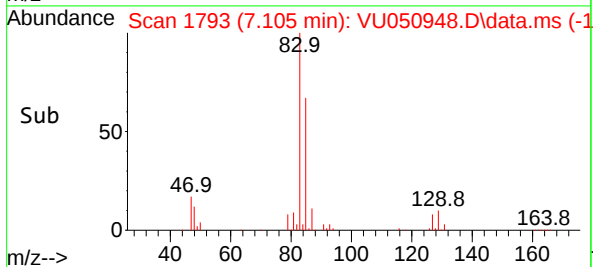
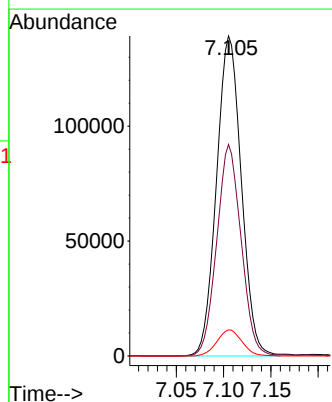
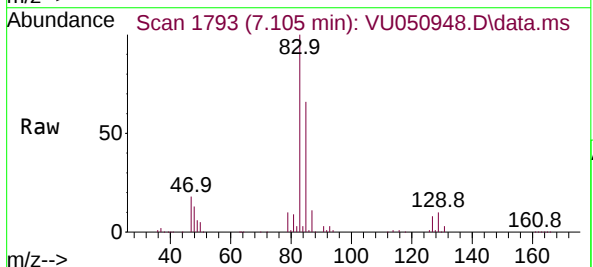
Tgt Ion: 83 Resp: 254241

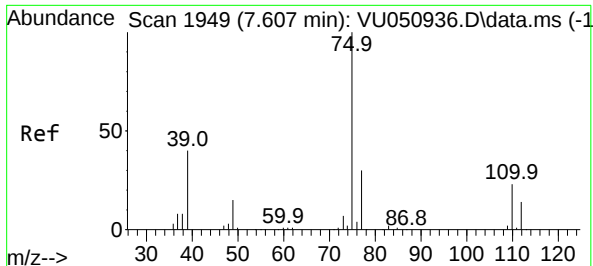
Ion Ratio Lower Upper

83 100

85 66.1 44.3 82.3

127 8.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 51.250 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

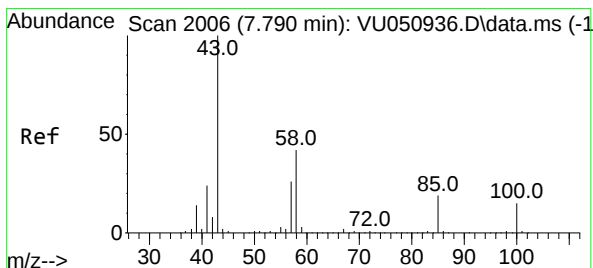
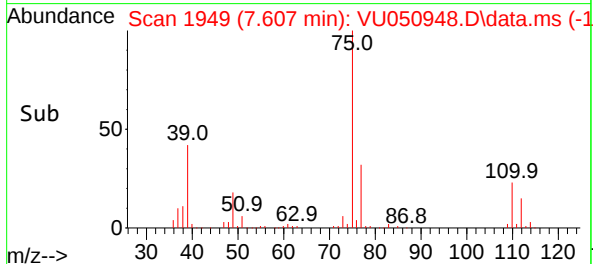
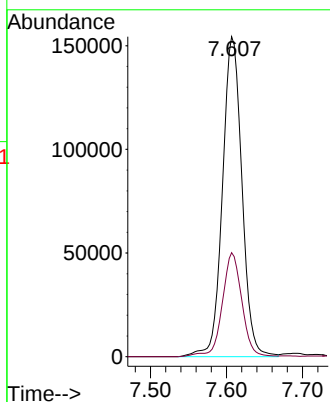
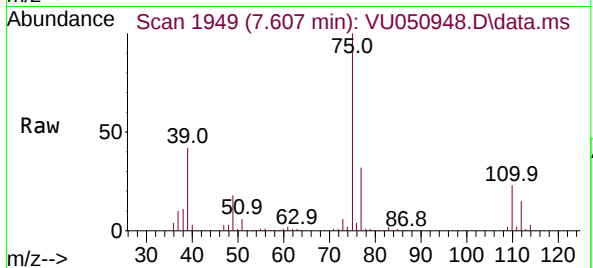
VSTD050096

Tgt Ion: 75 Resp: 274896

Ion Ratio Lower Upper

75 100

77 32.5 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 109.107 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

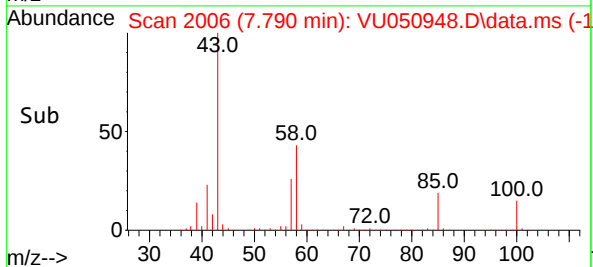
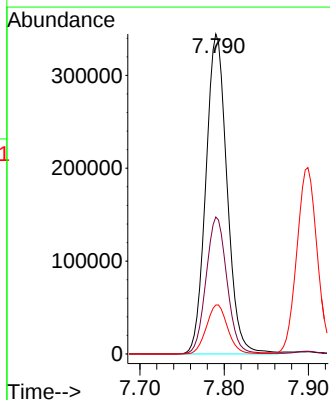
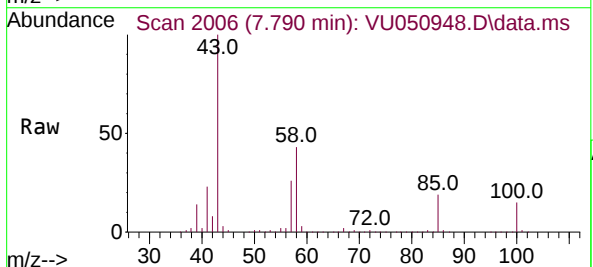
Tgt Ion: 43 Resp: 602707

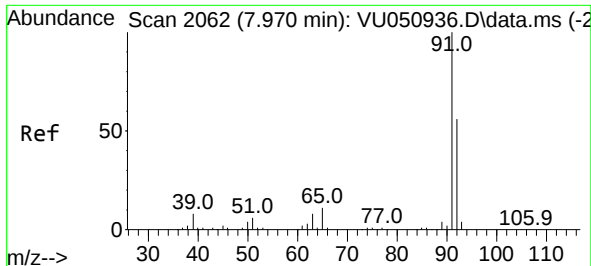
Ion Ratio Lower Upper

43 100

58 42.5 33.8 50.6

100 15.4 12.0 18.0





#42

Toluene

Concen: 54.066 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

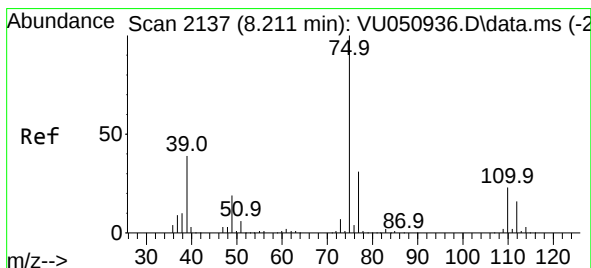
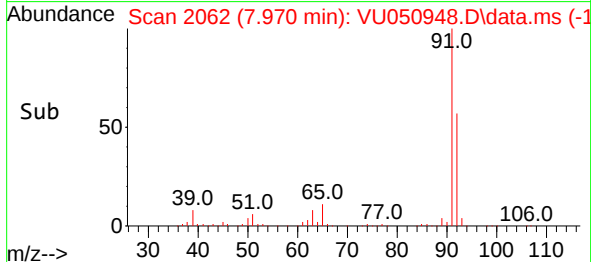
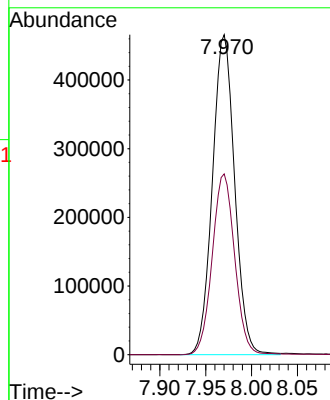
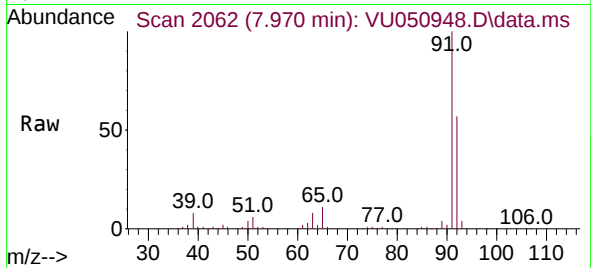
VSTD050096

Tgt Ion: 91 Resp: 786199

Ion Ratio Lower Upper

91 100

92 56.5 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 53.694 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU050948.D

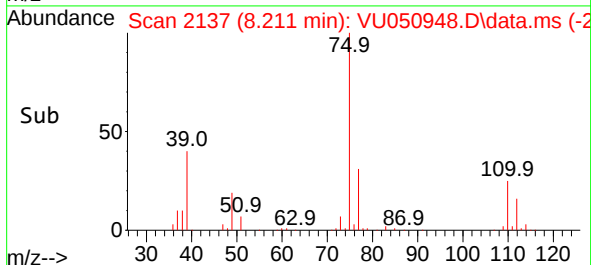
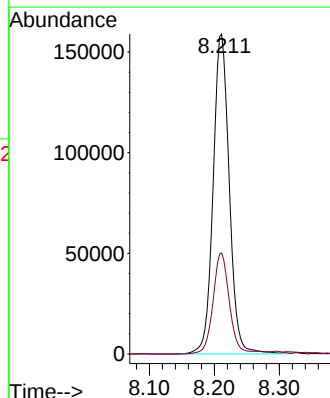
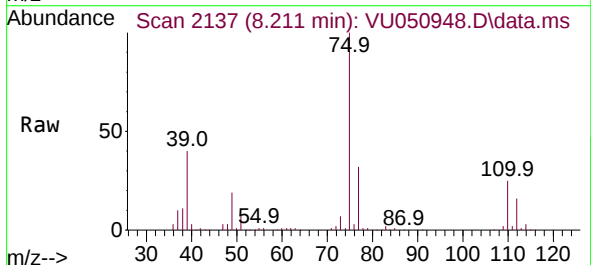
Acq: 26 Sep 2022 15:58

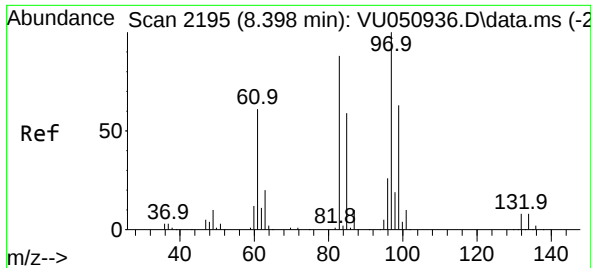
Tgt Ion: 75 Resp: 273972

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7

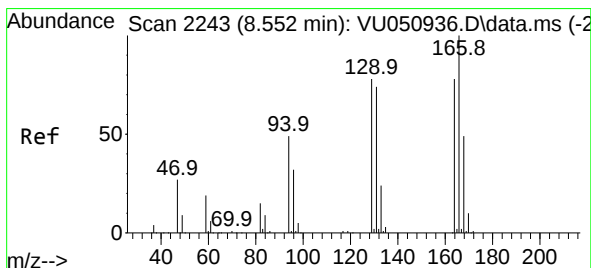
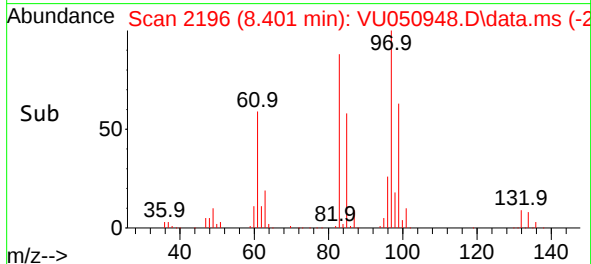
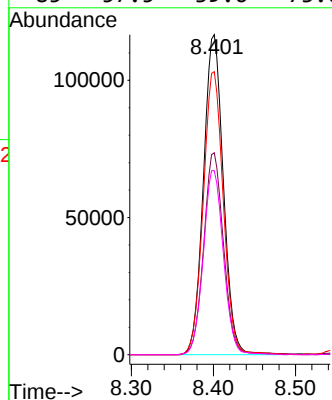
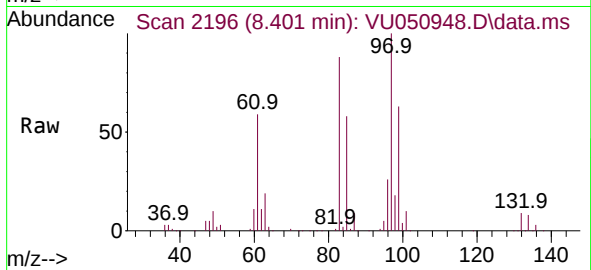




#45
1,1,2-Trichloroethane
Concen: 53.250 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

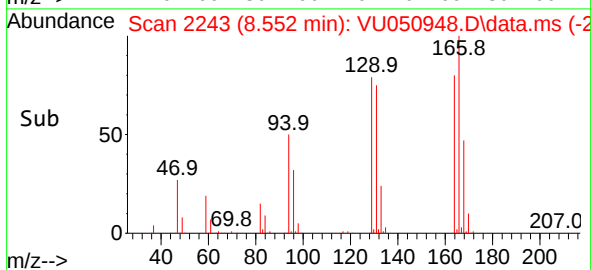
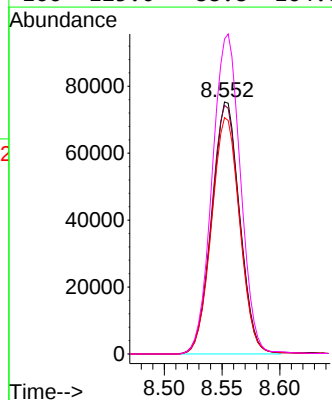
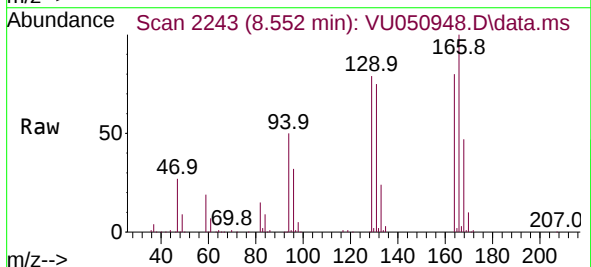
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

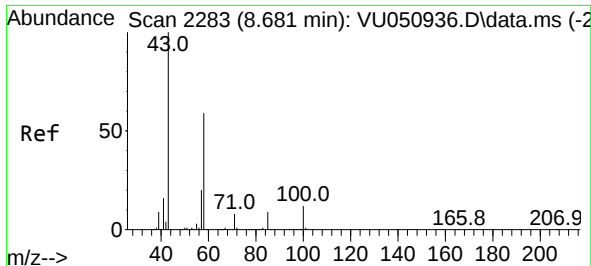
Tgt Ion:	97	Resp:	196697
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.8	81.4
83	88.5	62.6	116.3
85	57.5	39.6	73.6



#46
Tetrachloroethene
Concen: 51.770 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion:	164	Resp:	126585
Ion	Ratio	Lower	Upper
164	100		
129	98.6	68.5	127.3
131	93.8	66.1	122.7
166	125.0	88.8	164.8





#48

2-Hexanone

Concen: 115.367 ug/L

RT: 8.684 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096

Tgt Ion: 43 Resp: 532516

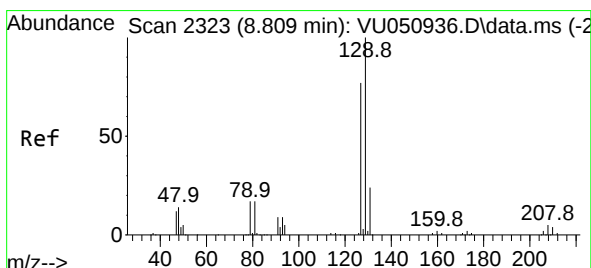
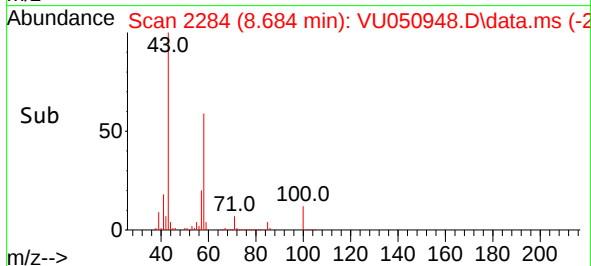
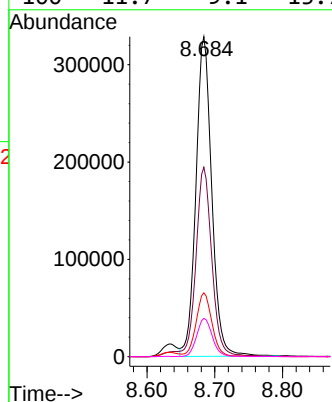
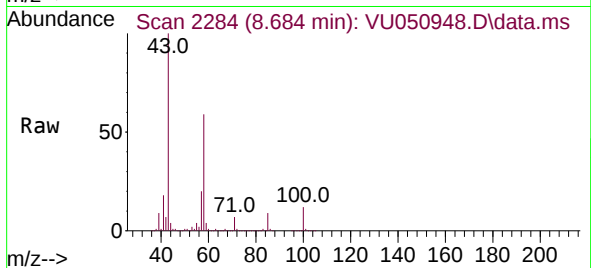
Ion Ratio Lower Upper

43 100

58 60.7 47.2 70.8

57 20.3 16.2 24.4

100 11.7 9.1 13.7



#49

Dibromochloromethane

Concen: 54.524 ug/L

RT: 8.809 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VU050948.D

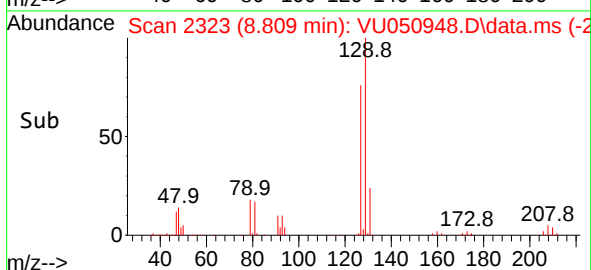
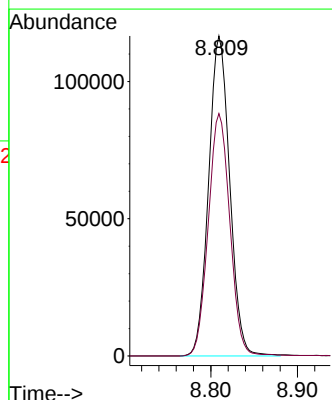
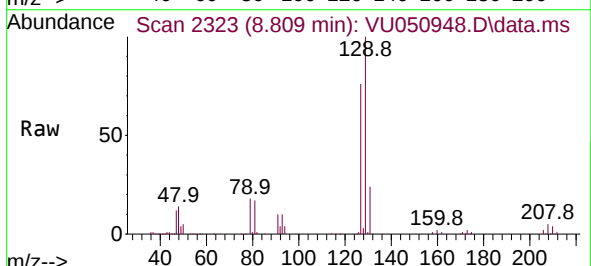
Acq: 26 Sep 2022 15:58

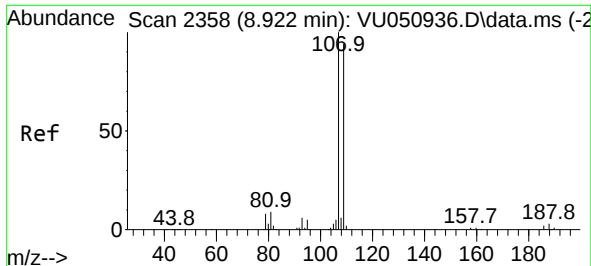
Tgt Ion: 129 Resp: 197480

Ion Ratio Lower Upper

129 100

127 75.8 54.5 101.1

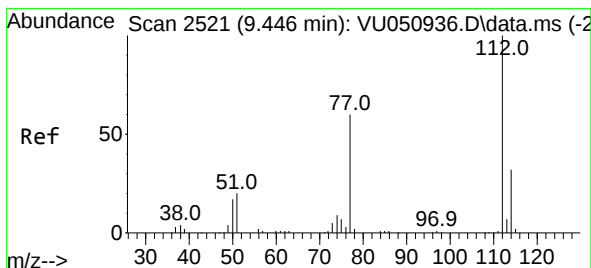
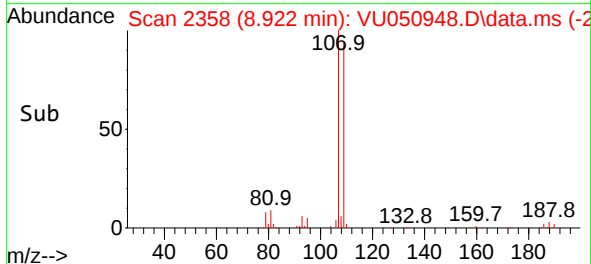
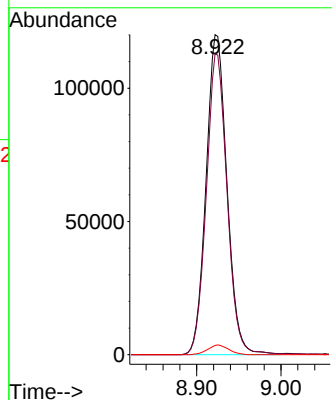
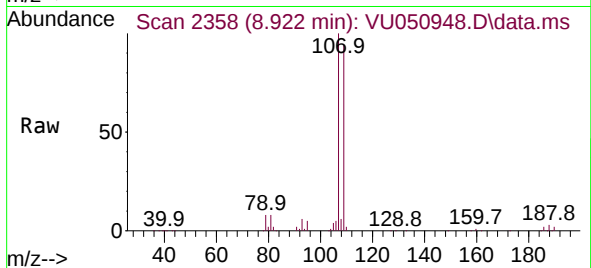




#50
1,2-Dibromoethane
Concen: 54.103 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

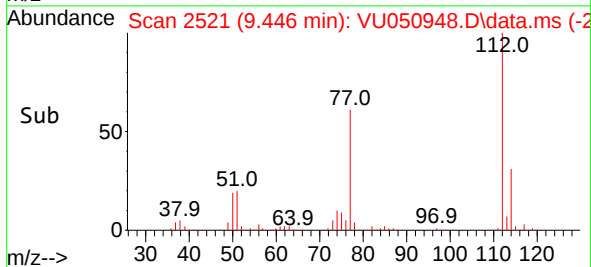
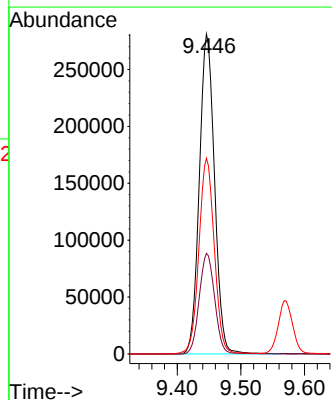
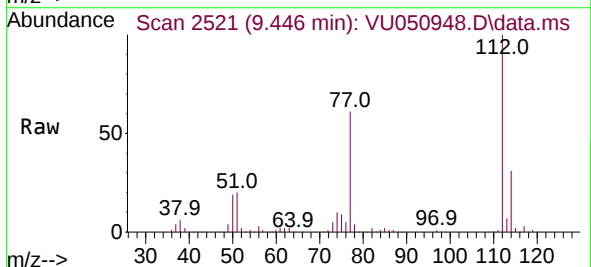
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

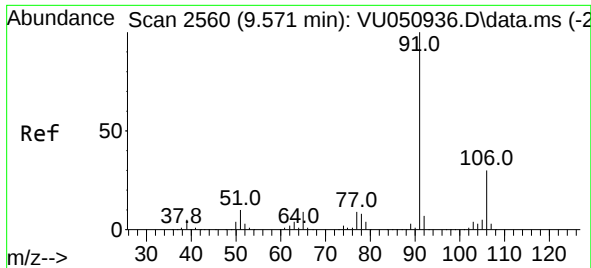
Tgt Ion:107 Resp: 207347
Ion Ratio Lower Upper
107 100
109 94.0 66.0 122.6
188 2.9 2.5 3.7



#51
Chlorobenzene
Concen: 52.611 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion:112 Resp: 467057
Ion Ratio Lower Upper
112 100
114 31.5 22.3 41.3
77 61.2 49.8 74.8

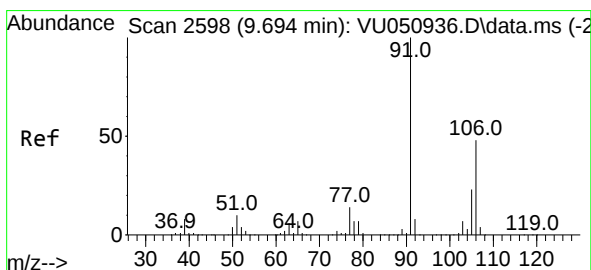
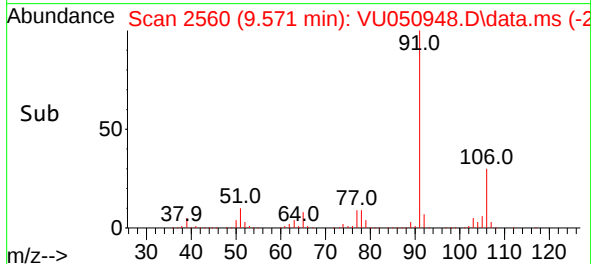
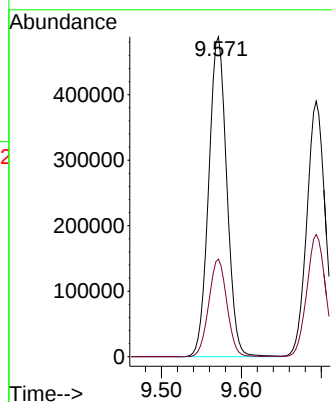
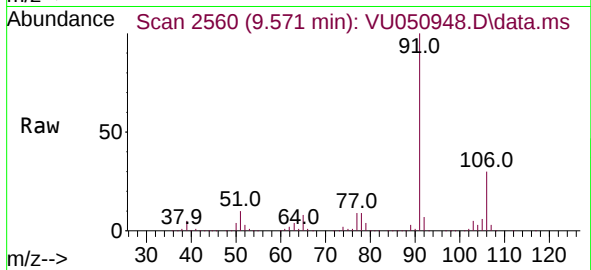




#52
Ethylbenzene
Concen: 53.044 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

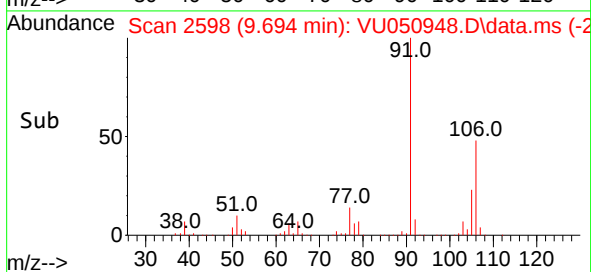
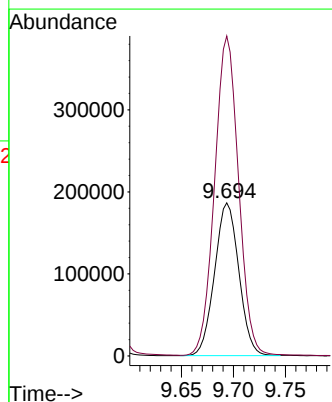
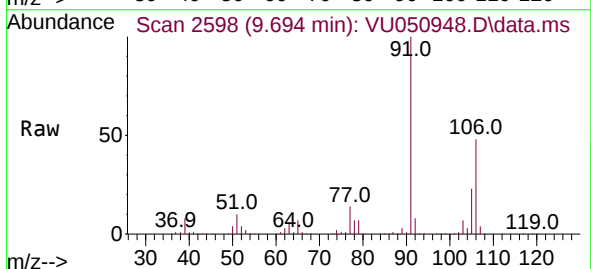
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

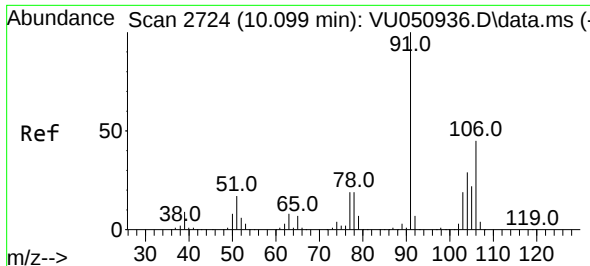
Tgt Ion: 91 Resp: 769489
Ion Ratio Lower Upper
91 100
106 30.5 21.0 39.0



#53
m,p-Xylene
Concen: 56.147 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion: 106 Resp: 302818
Ion Ratio Lower Upper
106 100
91 208.9 144.0 267.4

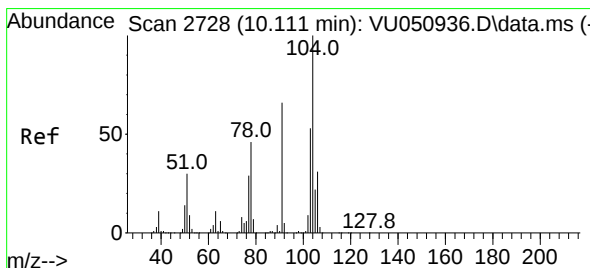
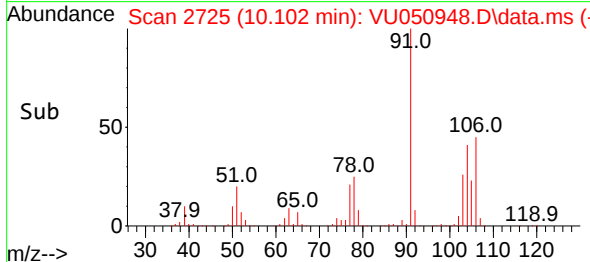
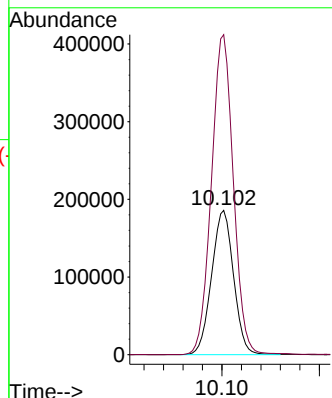
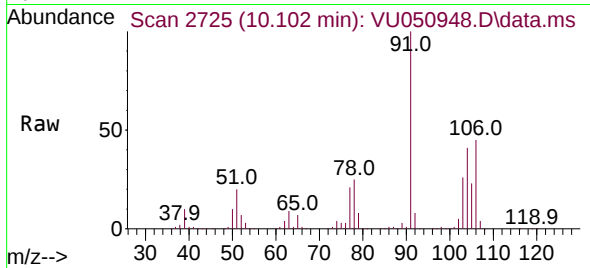




#54
o-Xylene
Concen: 54.128 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

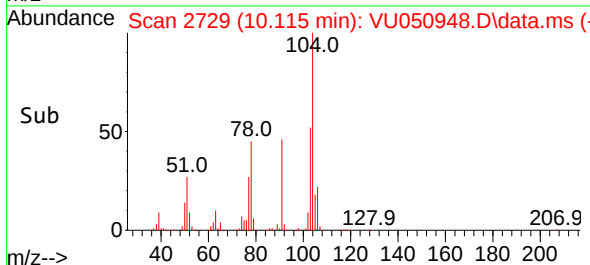
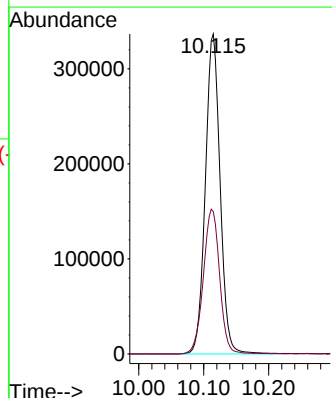
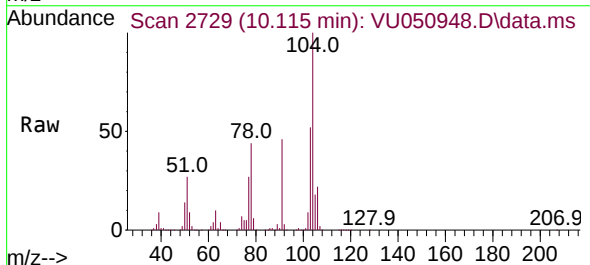
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

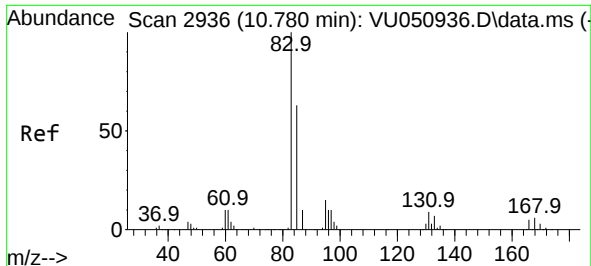
Tgt Ion:106 Resp: 290868
Ion Ratio Lower Upper
106 100
91 221.6 154.6 287.0



#55
Styrene
Concen: 57.950 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion:104 Resp: 533908
Ion Ratio Lower Upper
104 100
78 44.5 32.4 60.2

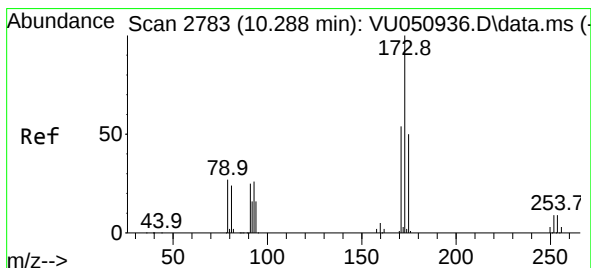
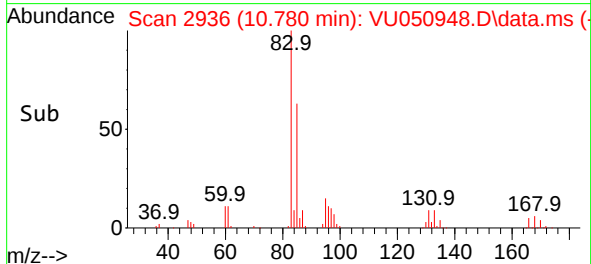
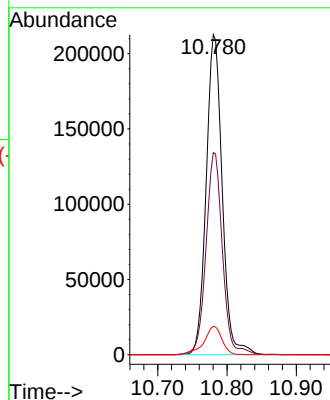
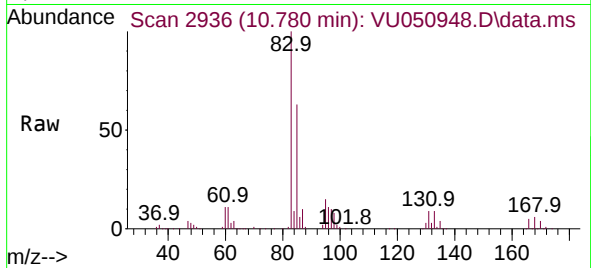




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.862 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU050948.D
 Acq: 26 Sep 2022 15:58

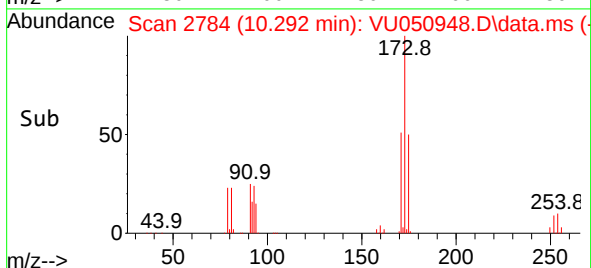
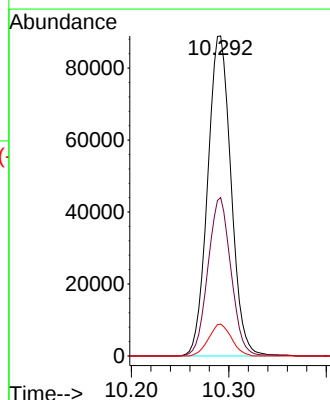
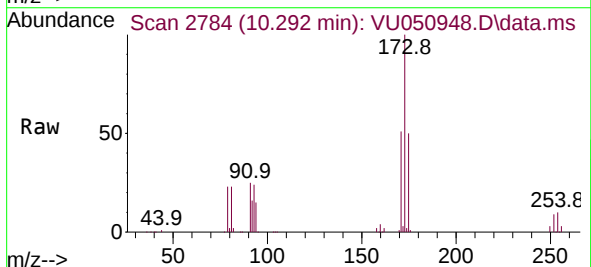
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050096

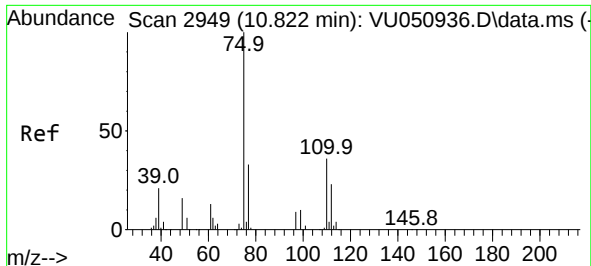
Tgt Ion: 83 Resp: 340804
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.9
 131 8.9 7.1 10.7



#59
 Bromoform
 Concen: 48.866 ug/L
 RT: 10.292 min Scan# 2784
 Delta R.T. 0.003 min
 Lab File: VU050948.D
 Acq: 26 Sep 2022 15:58

Tgt Ion: 173 Resp: 148182
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.8 56.8
 254 9.7 7.1 10.7

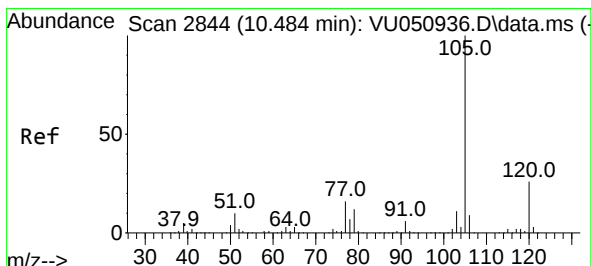
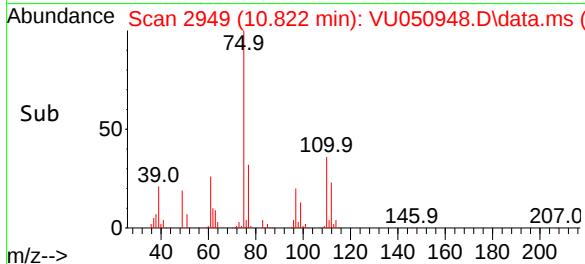
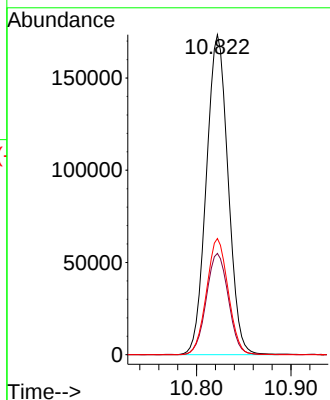
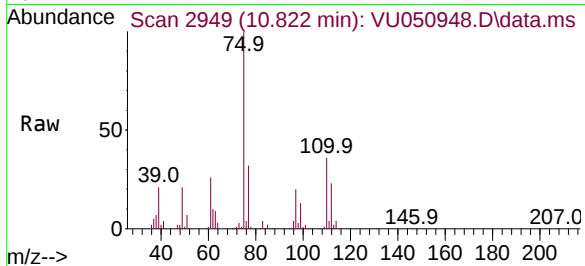




#60
1,2,3-Trichloropropane
Concen: 46.961 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

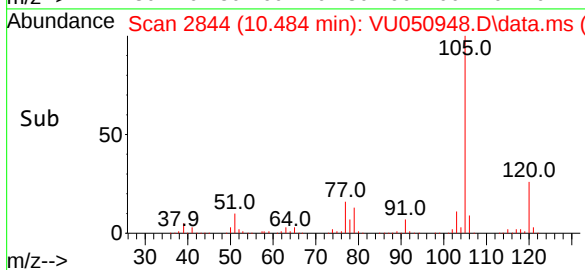
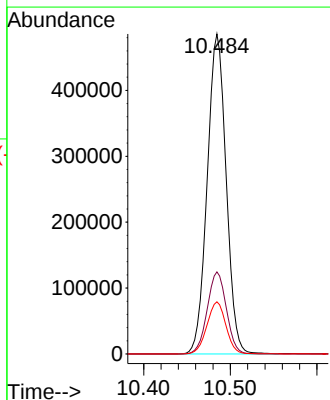
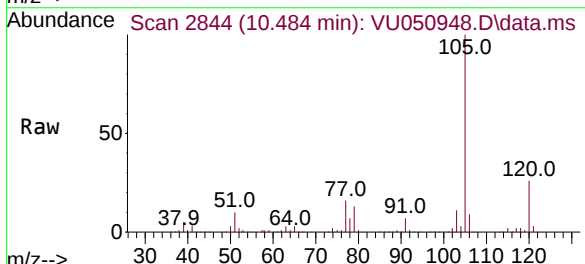
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

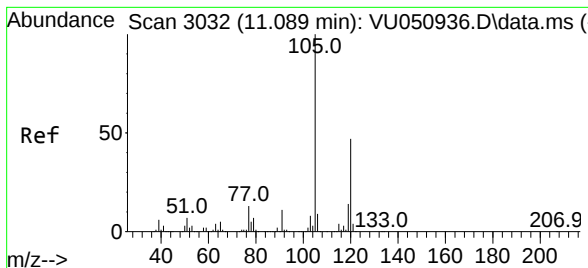
Tgt Ion: 75 Resp: 277517
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4
110 36.1 28.6 43.0



#61
Isopropylbenzene
Concen: 49.217 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion: 105 Resp: 738968
Ion Ratio Lower Upper
105 100
120 25.9 20.5 30.7
77 16.3 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 50.345 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

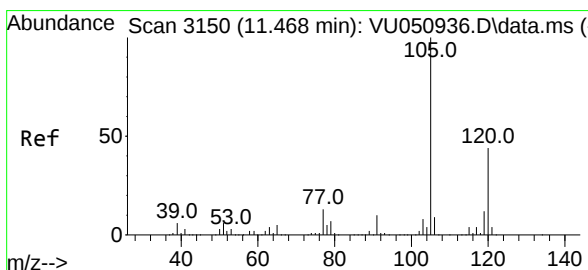
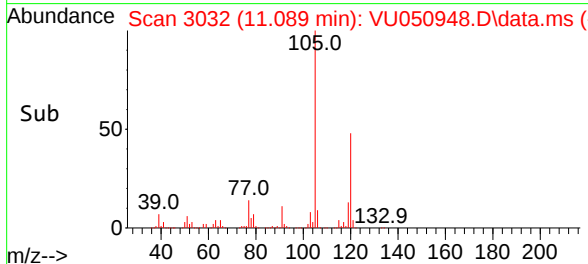
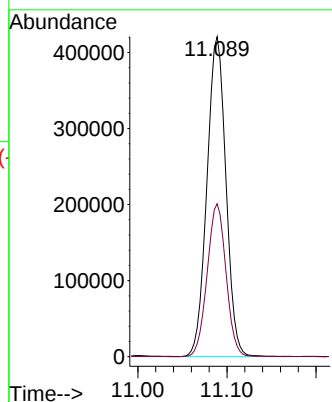
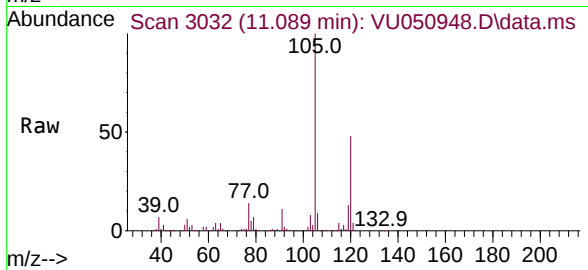
VSTD050096

Tgt Ion:105 Resp: 621395

Ion Ratio Lower Upper

105 100

120 47.5 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 51.912 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU050948.D

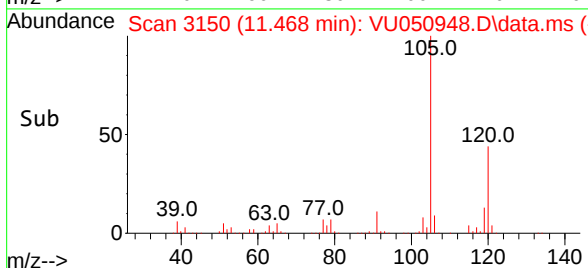
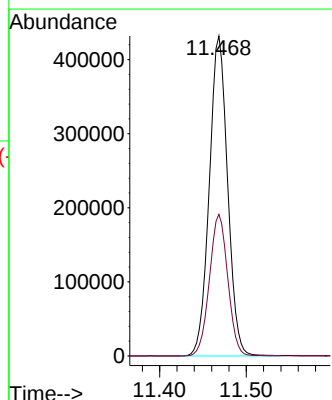
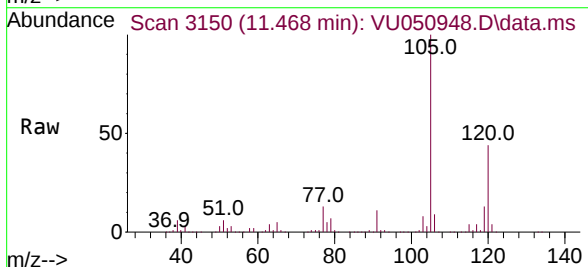
Acq: 26 Sep 2022 15:58

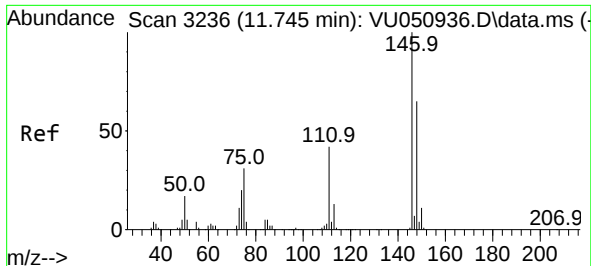
Tgt Ion:105 Resp: 634525

Ion Ratio Lower Upper

105 100

120 44.3 34.9 52.3

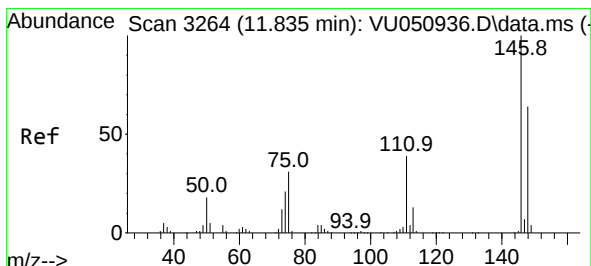
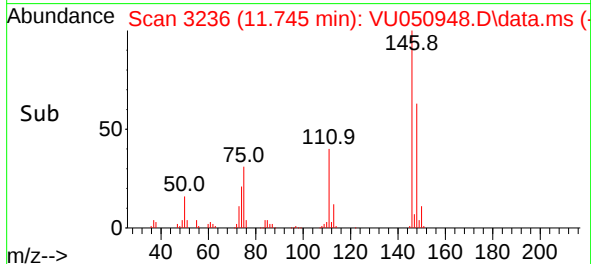
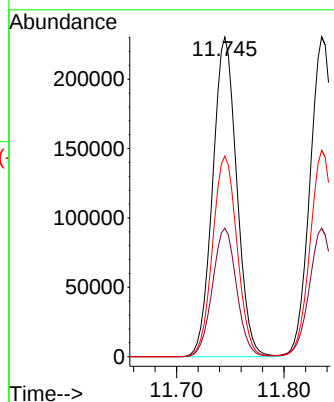
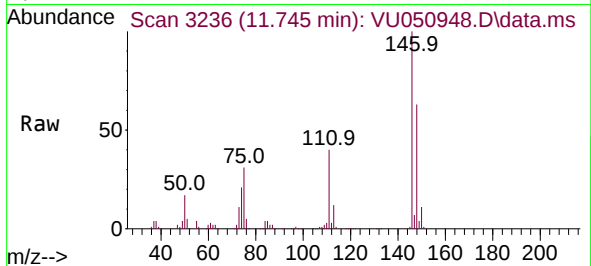




#64
1,3-Dichlorobenzene
Concen: 52.250 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

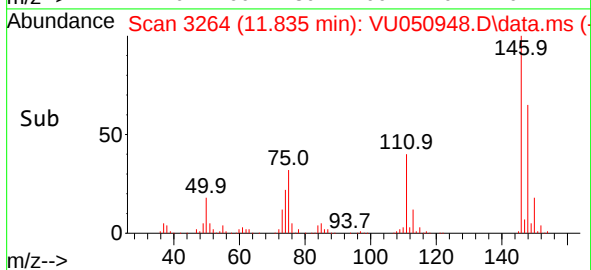
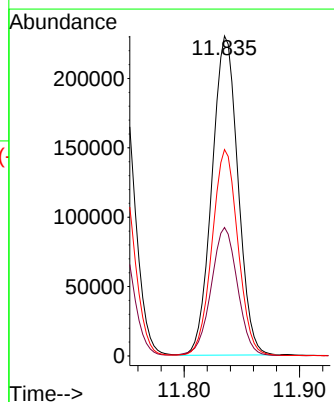
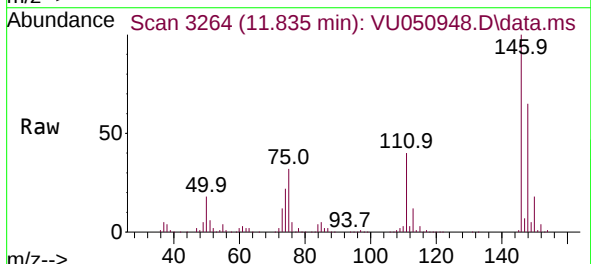
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

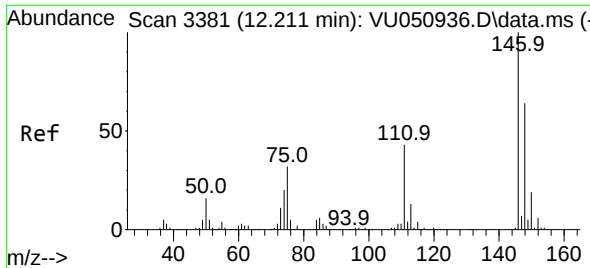
Tgt Ion:146 Resp: 358754
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.7
148 62.7 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 51.691 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion:146 Resp: 360318
Ion Ratio Lower Upper
146 100
111 40.1 27.5 51.1
148 64.5 45.4 84.2

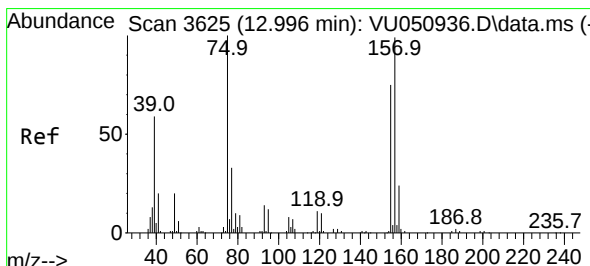
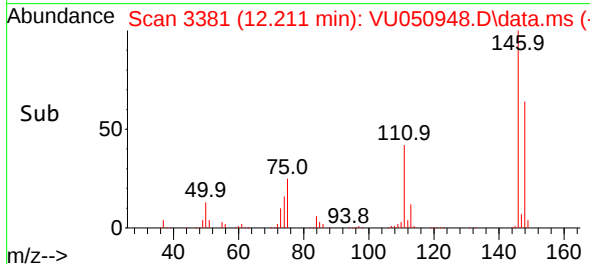
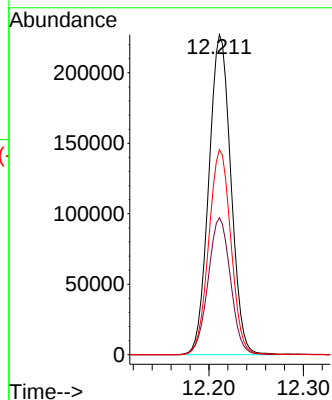
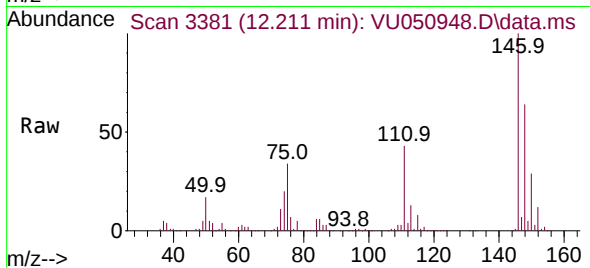




#67
1,2-Dichlorobenzene
Concen: 50.678 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

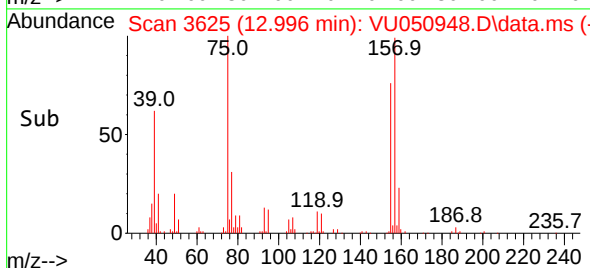
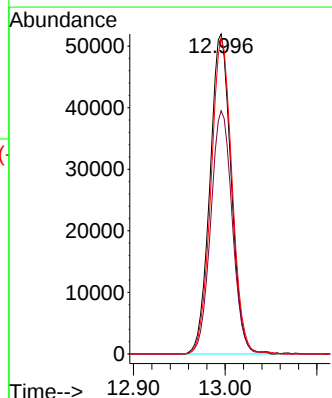
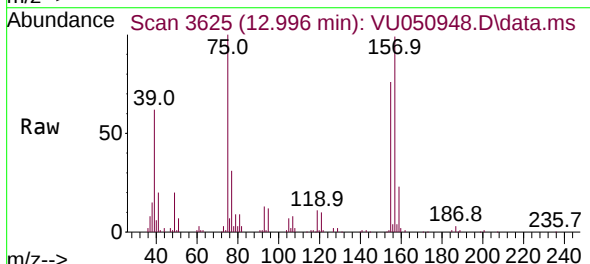
Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

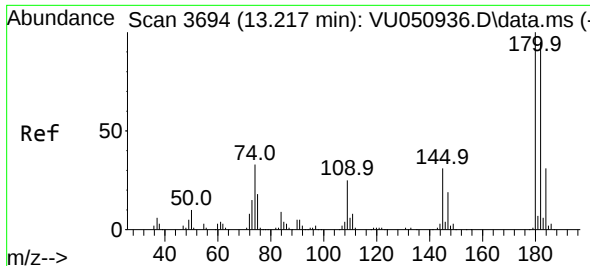
Tgt Ion:146 Resp: 368428
Ion Ratio Lower Upper
146 100
111 42.8 35.2 52.8
148 64.1 52.0 78.0



#68
1,2-Dibromo-3-chloropropane
Concen: 51.492 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion: 75 Resp: 83692
Ion Ratio Lower Upper
75 100
155 76.0 63.8 95.8
157 98.8 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 52.761 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU050948.D

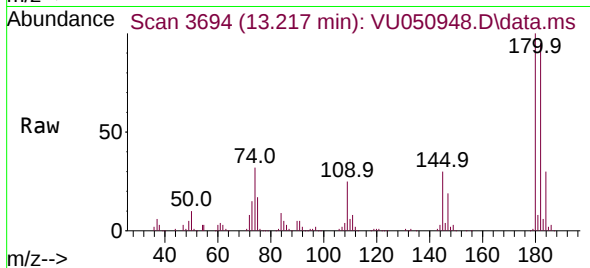
Acq: 26 Sep 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD050096



Tgt Ion:180 Resp: 253457

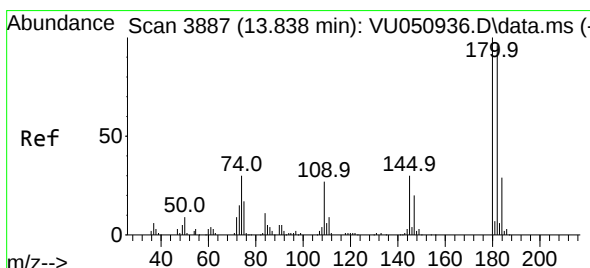
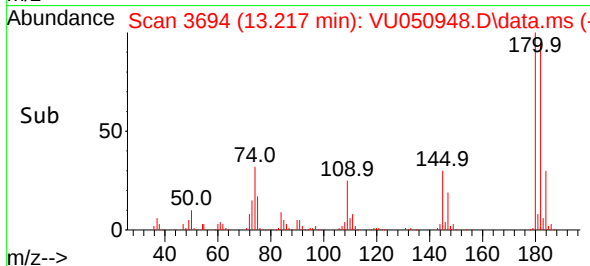
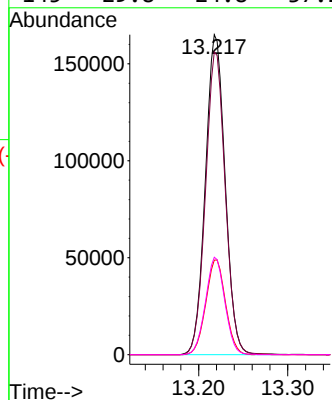
Ion Ratio Lower Upper

180 100

182 94.7 78.2 117.2

184 29.7 24.8 37.2

145 29.8 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 52.643 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU050948.D

Acq: 26 Sep 2022 15:58

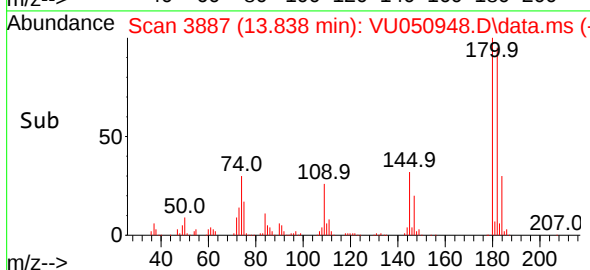
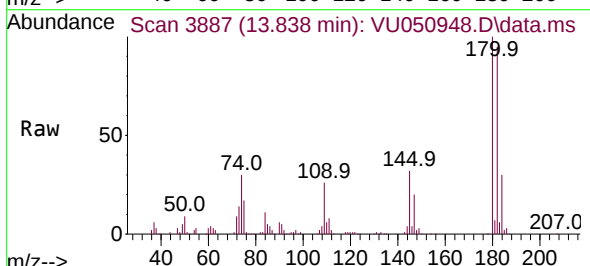
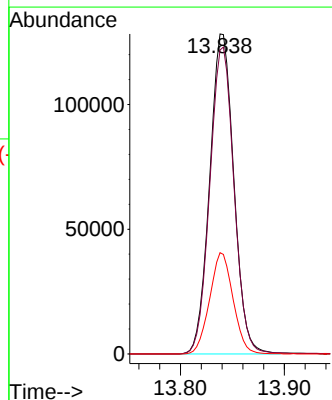
Tgt Ion:180 Resp: 206956

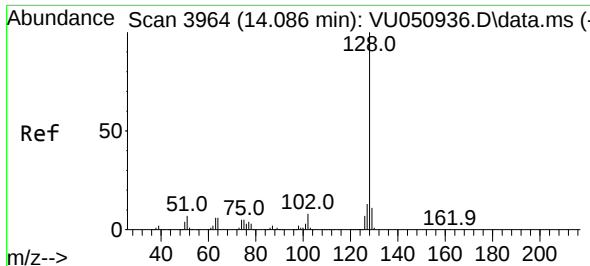
Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.2

145 30.7 25.1 37.7

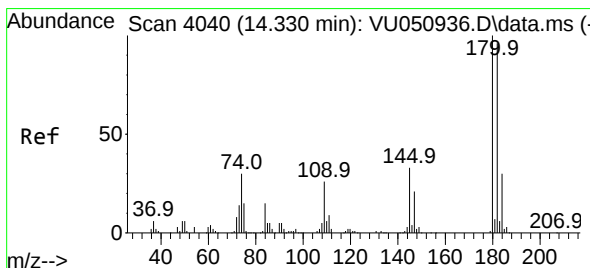
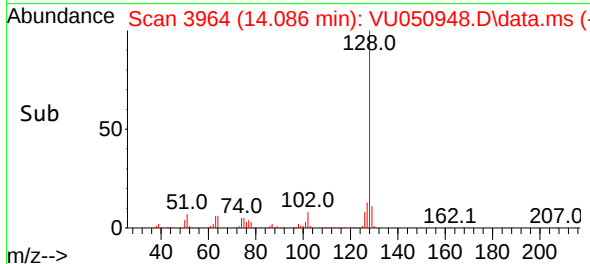
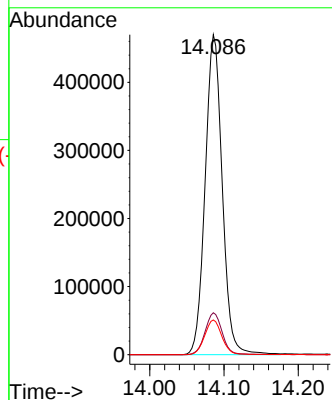
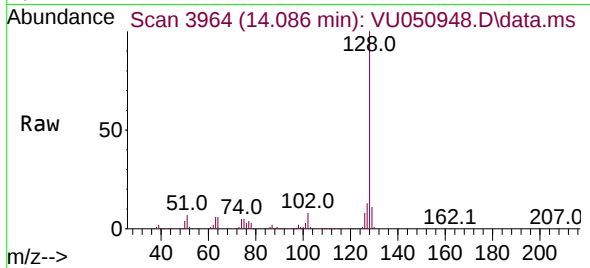




#71
Naphthalene
Concen: 49.679 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD050096

Tgt Ion:128 Resp: 750601
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 52.827 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU050948.D
Acq: 26 Sep 2022 15:58

Tgt Ion:180 Resp: 232436
Ion Ratio Lower Upper
180 100
182 95.6 76.9 115.3
145 32.9 26.3 39.5

