

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052956.D
 Acq On : 05 Feb 2023 15:21
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

Quant Time: Feb 05 21:54:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 21 01:44:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	169417	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	160547	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	86480	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	52138	3.503	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.912	69	52576	4.336	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.565	65	24189	3.690	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.800%
20) 2-Butanone-d5	4.633	46	143257	35.997	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.000%
24) Chloroform-d	5.057	84	123790	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.697	65	59204	4.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
32) Benzene-d6	5.723	84	233401	4.485	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.687	67	72243	4.166	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.893	98	211834	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.176	79	26119	4.050	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.629	63	113687	42.440	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.880%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	62847	4.734	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	79476	5.048	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	71149	3.909	ug/L	97
3) Chloromethane	1.517	50	73057	3.305	ug/L	97
5) Vinyl chloride	1.601	62	84775	4.009	ug/L	99
6) Bromomethane	1.858	94	52136	4.749	ug/L	97
8) Chloroethane	1.932	64	53358	4.150	ug/L	95
9) Trichlorofluoromethane	2.138	101	128327	5.147	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	69124	4.713	ug/L	95
12) 1,1-Dichloroethene	2.578	96	62763	4.273	ug/L	82
13) Acetone	2.649	43	113562	39.788	ug/L	93
14) Carbon disulfide	2.790	76	176316	3.473	ug/L	100
15) Methyl Acetate	2.954	43	22474	3.284	ug/L #	86
16) Methylene chloride	3.041	84	75362	3.856	ug/L	83
17) Methyl tert-butyl Ether	3.356	73	139892	4.304	ug/L	94
18) trans-1,2-Dichloroethene	3.350	96	65727	4.388	ug/L	89
19) 1,1-Dichloroethane	3.861	63	121692	3.912	ug/L	97
21) 2-Butanone	4.713	43	160596	34.953	ug/L	85
22) cis-1,2-Dichloroethene	4.662	96	74058	4.604	ug/L	89
23) Bromochloromethane	4.970	128	33954	4.986	ug/L #	73
25) Chloroform	5.083	83	131511	4.301	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020523\
 Data File : VU052956.D
 Acq On : 05 Feb 2023 15:21
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

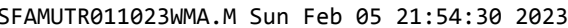
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

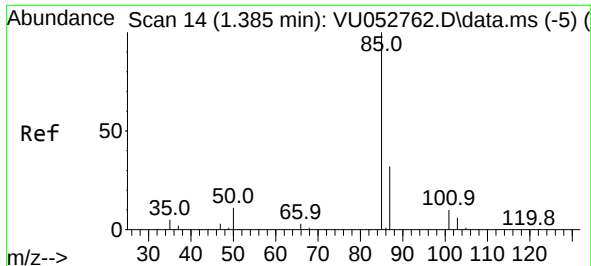
Quant Time: Feb 05 21:54:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 21 01:44:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	76777	4.143	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	113666	4.513	ug/L	95
30) Cyclohexane	5.385	56	99725	3.935	ug/L	90
31) Carbon tetrachloride	5.520	117	101389	5.137	ug/L	98
33) Benzene	5.771	78	283724	4.465	ug/L	100
34) Trichloroethene	6.536	95	70783	4.709	ug/L	95
35) Methylcyclohexane	6.758	83	107457	4.329	ug/L	90
37) 1,2-Dichloropropane	6.787	63	71486	4.192	ug/L #	95
38) Bromodichloromethane	7.102	83	93458	4.654	ug/L #	95
39) cis-1,3-Dichloropropene	7.604	75	94320	4.357	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	351780	36.068	ug/L #	90
42) Toluene	7.967	91	301540	4.764	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	86105	4.608	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	52440	4.889	ug/L	95
47) Tetrachloroethene	8.549	164	58207	5.256	ug/L	95
48) 2-Hexanone	8.681	43	273430	38.289	ug/L #	90
49) Dibromochloromethane	8.806	129	64894	5.233	ug/L	96
50) 1,2-Dibromoethane	8.919	107	48096	4.878	ug/L #	97
51) Chlorobenzene	9.443	112	195348	4.954	ug/L	94
52) Ethylbenzene	9.568	91	313452	4.861	ug/L	100
53) m,p-Xylene	9.690	106	126047	5.160	ug/L	96
54) o-Xylene	10.099	106	121191	5.189	ug/L	95
55) Styrene	10.111	104	209674	5.263	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	70306	5.018	ug/L	100
59) Bromoform	10.288	173	36697	5.457	ug/L	97
60) Isopropylbenzene	10.481	105	314392	5.129	ug/L	98
61) 1,2,3-Trichloropropane	10.819	75	45883	4.565	ug/L	94
62) 1,3,5-Trimethylbenzene	11.086	105	254872	5.213	ug/L	97
63) 1,2,4-Trimethylbenzene	11.462	105	255157	5.181	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	154464	5.297	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	156074	5.247	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	147972	5.393	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	9712	4.190	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.214	180	113627	5.246	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	92590	5.330	ug/L	96
71) Naphthalene	14.082	128	145765	4.834	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	87015	5.468	ug/L	99

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

Quant Time: Feb 05 21:54:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 21 01:44:26 2023
Response via : Initial Calibration

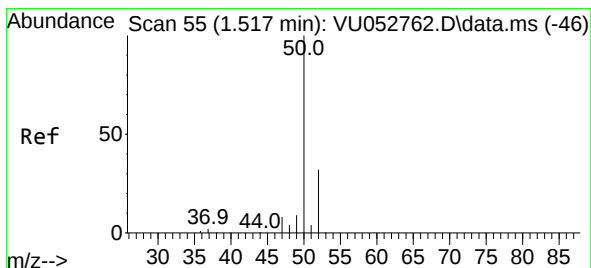
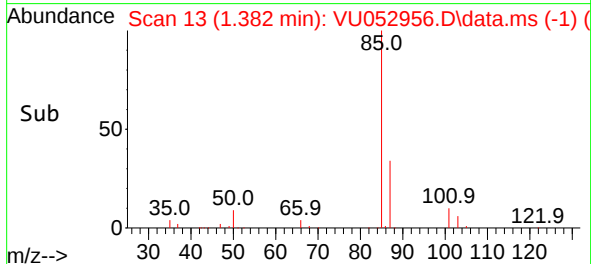
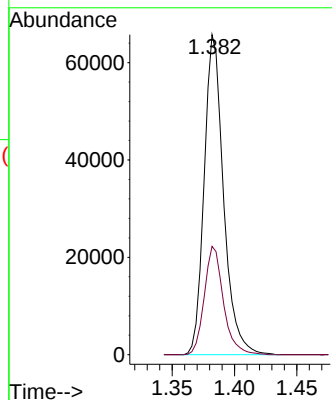
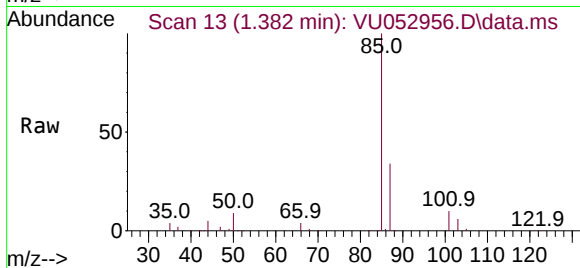




#2
Dichlorodifluoromethane
Concen: 3.909 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

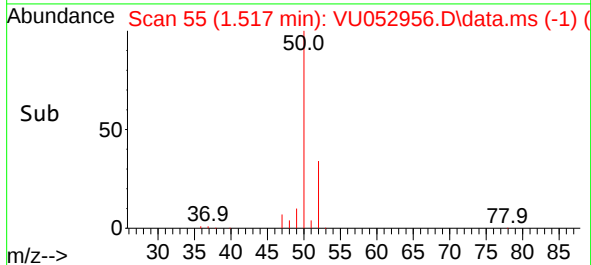
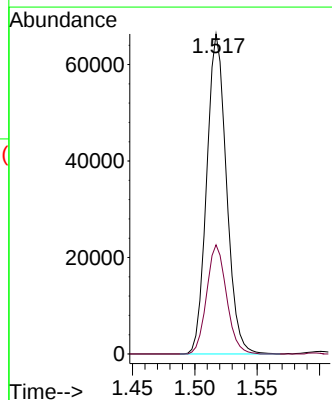
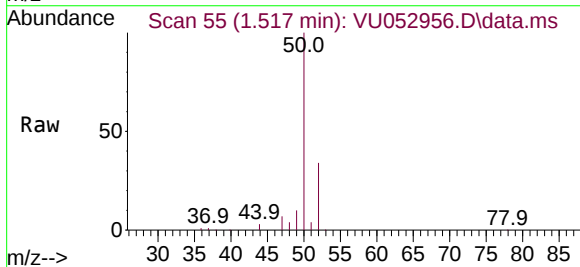
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

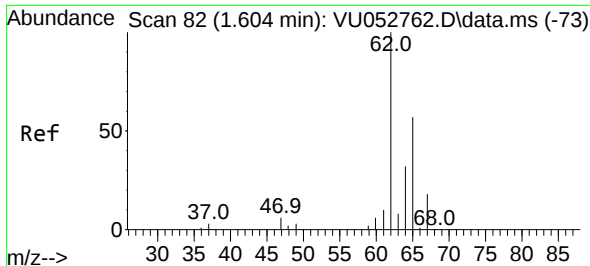
Tgt Ion: 85 Resp: 71149
Ion Ratio Lower Upper
85 100
87 33.4 25.5 38.3



#3
Chloromethane
Concen: 3.305 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 50 Resp: 73057
Ion Ratio Lower Upper
50 100
52 34.1 22.7 42.3

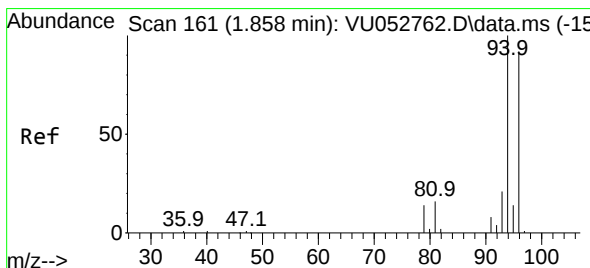
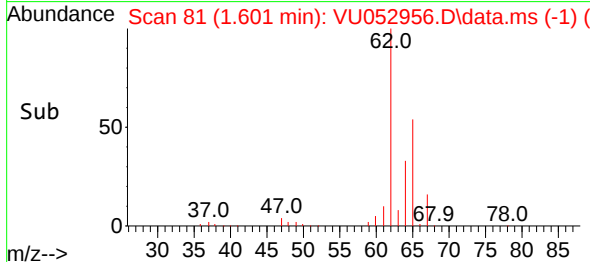
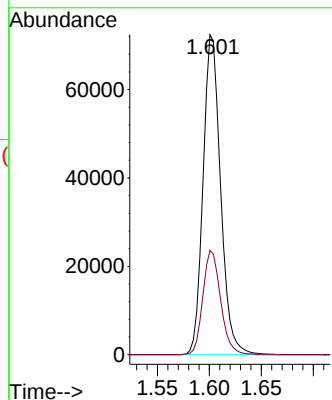
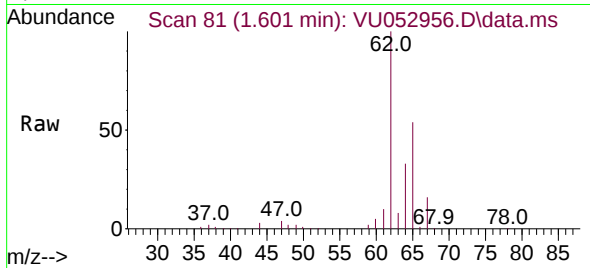




#5
 Vinyl chloride
 Concen: 4.009 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU052956.D
 Acq: 05 Feb 2023 15:21

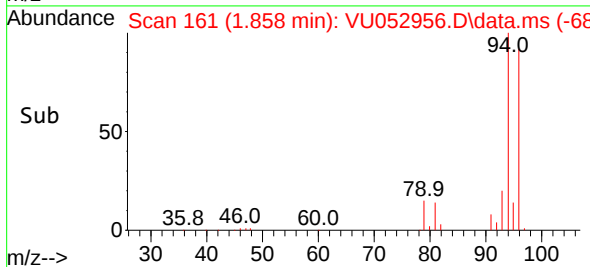
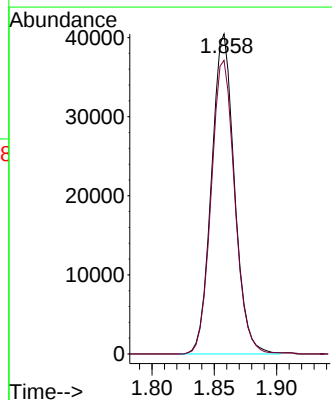
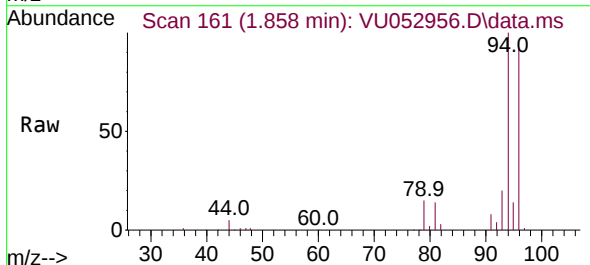
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

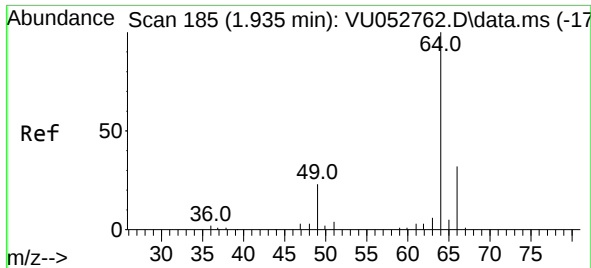
Tgt Ion: 62 Resp: 84775
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.3 41.3



#6
 Bromomethane
 Concen: 4.749 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052956.D
 Acq: 05 Feb 2023 15:21

Tgt Ion: 94 Resp: 52136
 Ion Ratio Lower Upper
 94 100
 96 91.7 62.2 115.6

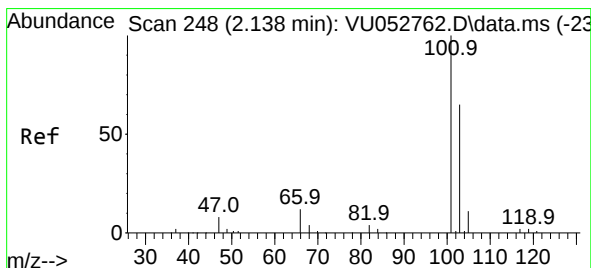
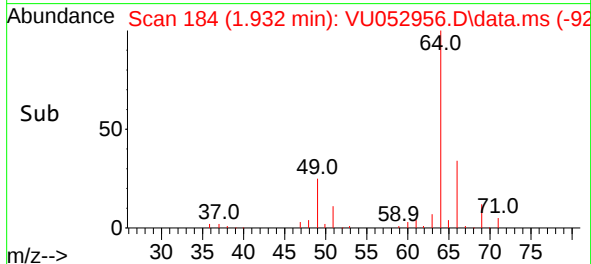
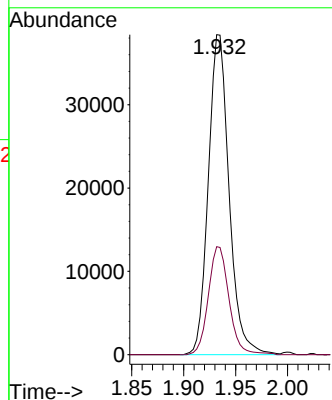
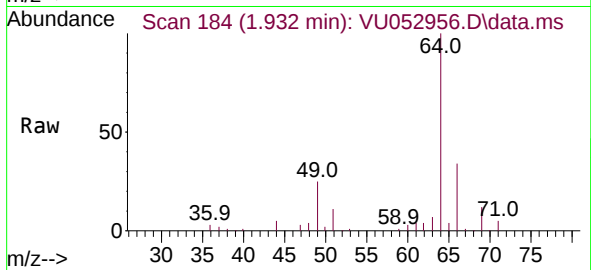




#8
Chloroethane
Concen: 4.150 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

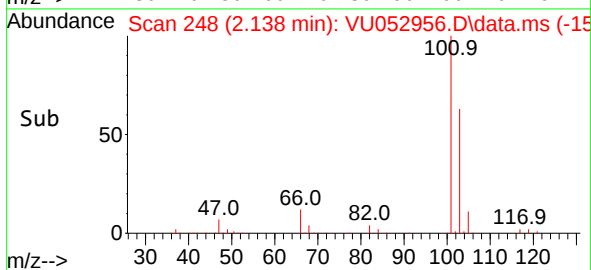
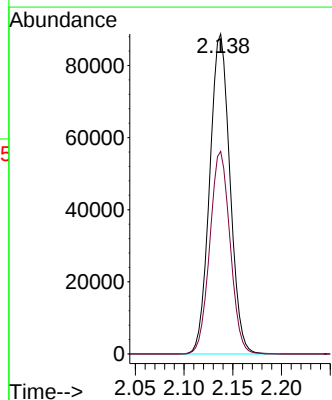
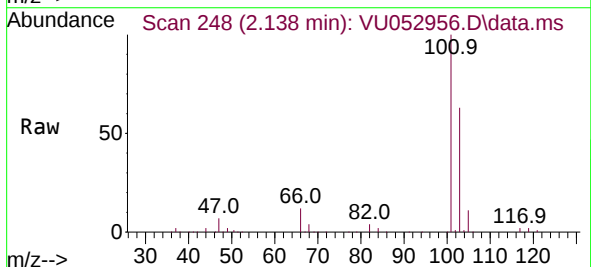
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

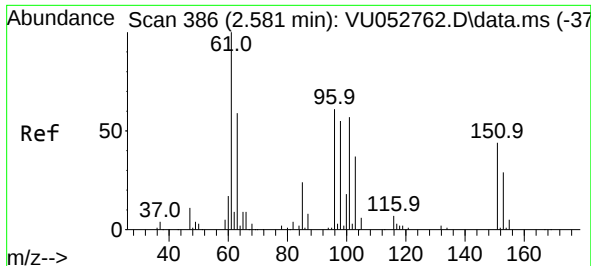
Tgt Ion: 64 Resp: 53358
Ion Ratio Lower Upper
64 100
66 33.8 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.147 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion:101 Resp: 128327
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6

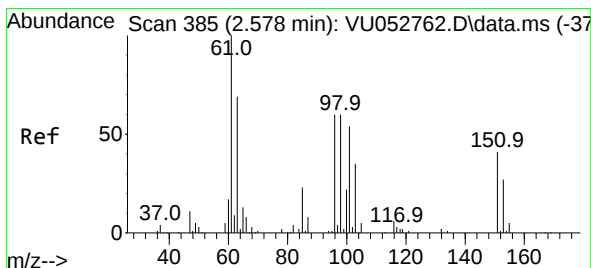
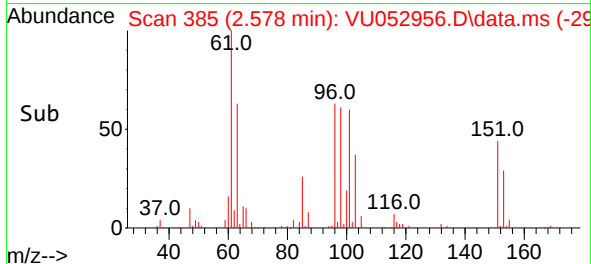
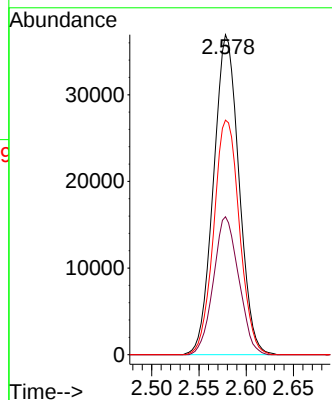
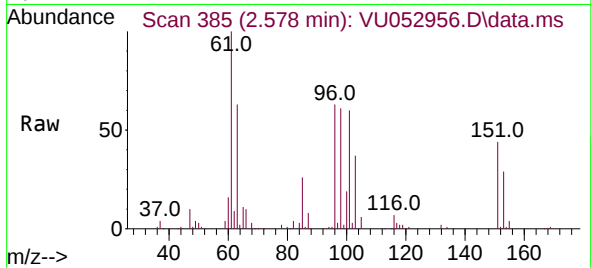




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.713 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

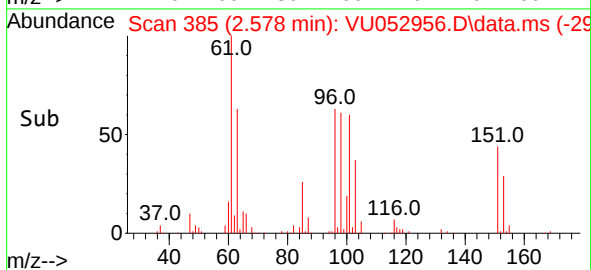
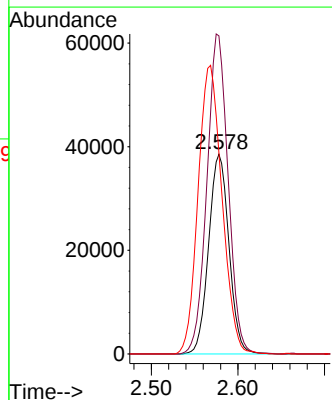
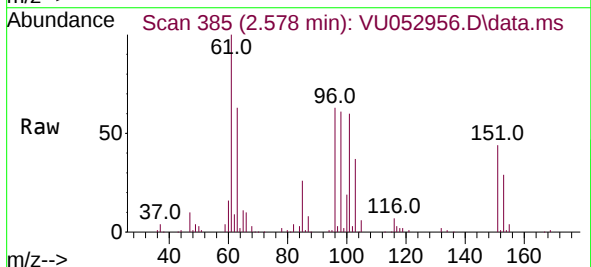
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

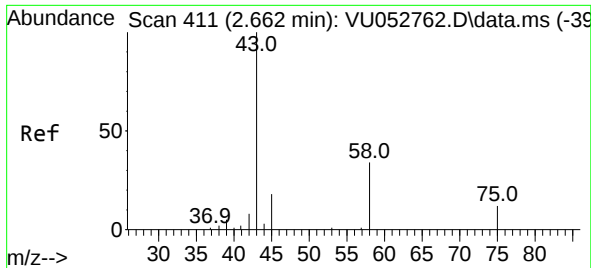
Tgt Ion:101 Resp: 69124
Ion Ratio Lower Upper
101 100
85 42.8 35.0 52.6
151 74.2 55.0 82.6



#12
1,1-Dichloroethene
Concen: 4.273 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 96 Resp: 62763
Ion Ratio Lower Upper
96 100
61 159.3 129.6 240.8
63 100.7 83.7 155.5





#13

Acetone

Concen: 39.788 ug/L

RT: 2.649 min Scan# 407

Delta R.T. -0.013 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

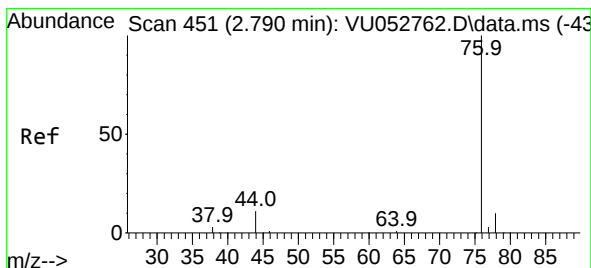
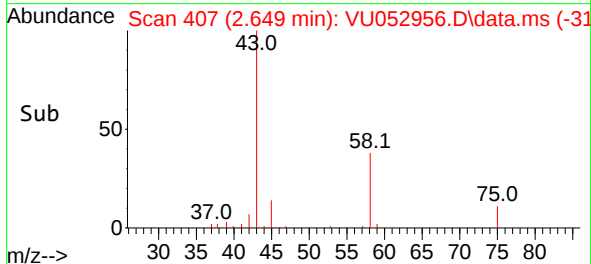
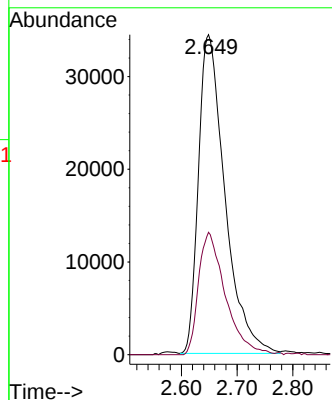
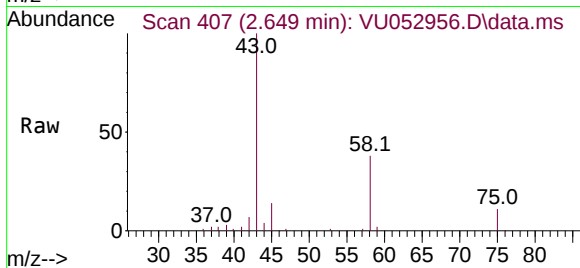
VSTD005132

Tgt Ion: 43 Resp: 113562

Ion Ratio Lower Upper

43 100

58 38.7 0.0 68.8



#14

Carbon disulfide

Concen: 3.473 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052956.D

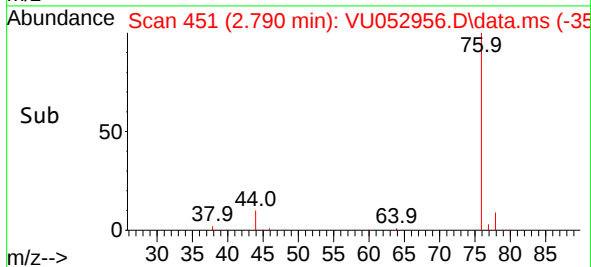
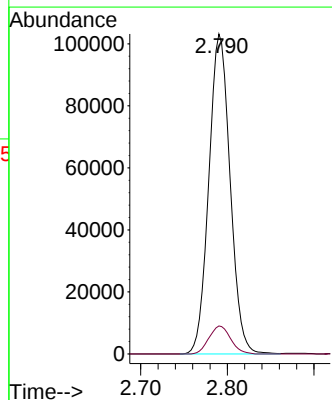
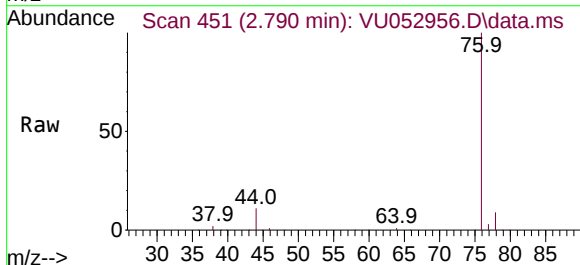
Acq: 05 Feb 2023 15:21

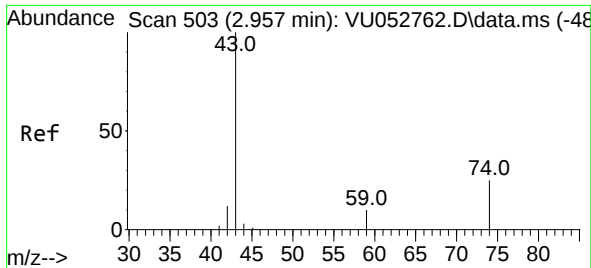
Tgt Ion: 76 Resp: 176316

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

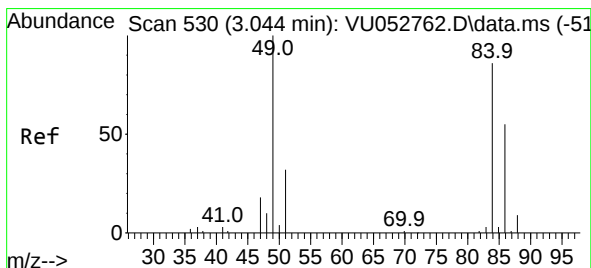
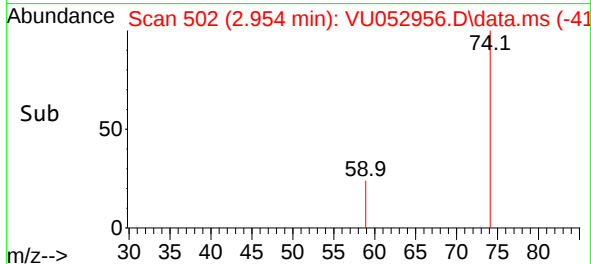
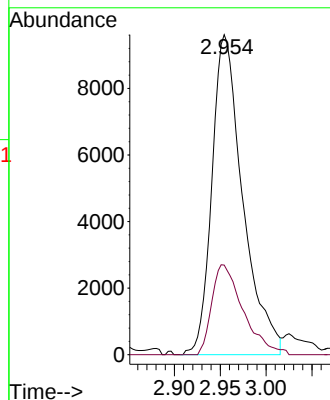
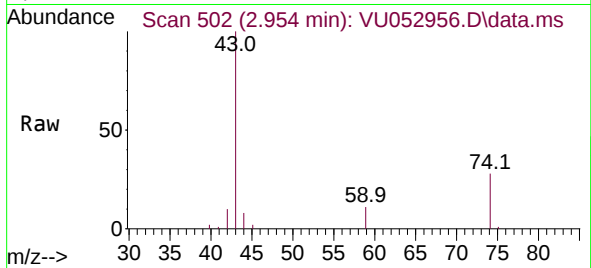




#15
Methyl Acetate
Concen: 3.284 ug/L
RT: 2.954 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

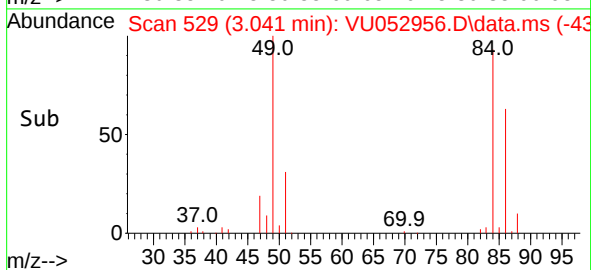
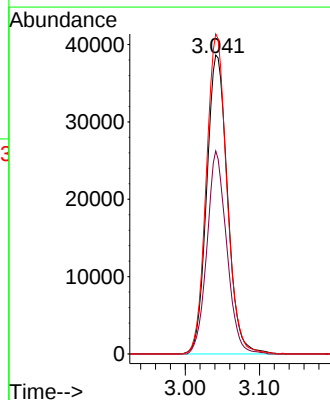
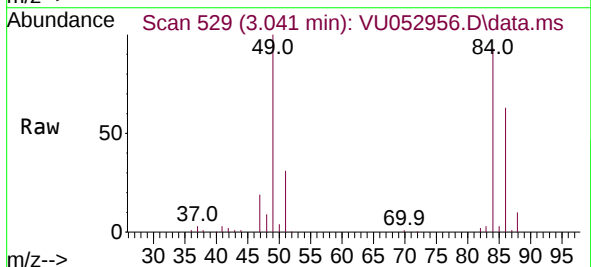
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

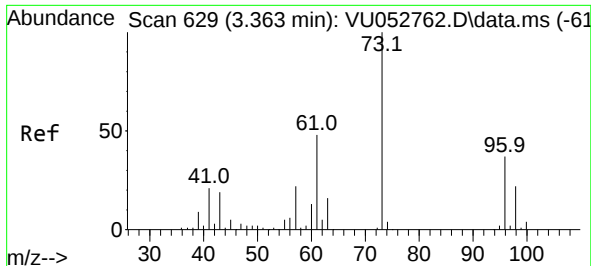
Tgt Ion: 43 Resp: 22474
Ion Ratio Lower Upper
43 100
74 28.6 17.5 26.3#



#16
Methylene chloride
Concen: 3.856 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 84 Resp: 75362
Ion Ratio Lower Upper
84 100
86 67.9 45.6 84.6
49 107.0 94.8 176.0





#17

Methyl tert-butyl Ether

Concen: 4.304 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

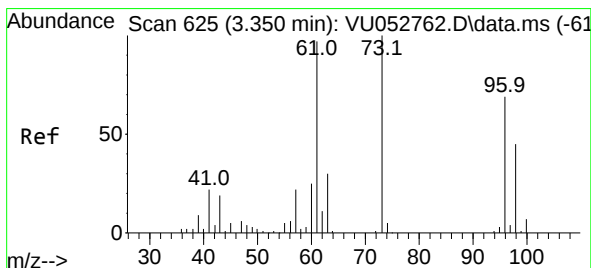
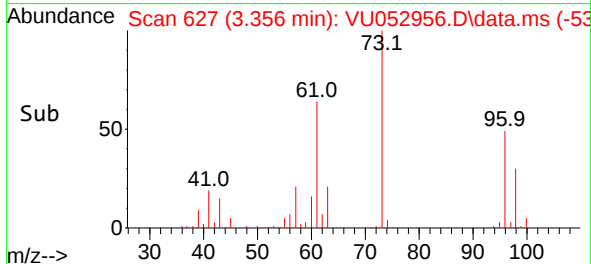
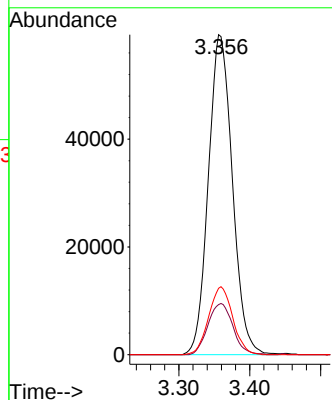
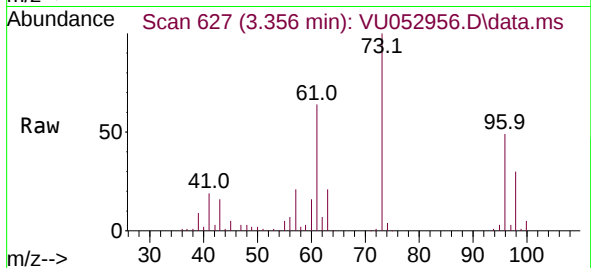
Tgt Ion: 73 Resp: 139892

Ion Ratio Lower Upper

73 100

43 16.6 15.8 23.8

57 21.2 18.6 28.0



#18

trans-1,2-Dichloroethene

Concen: 4.388 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

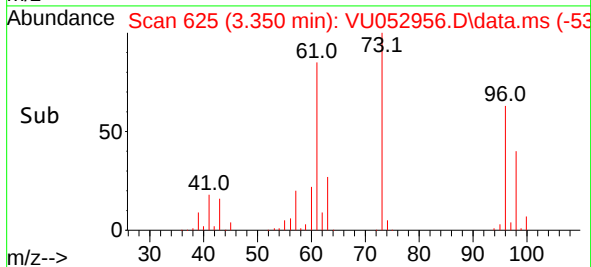
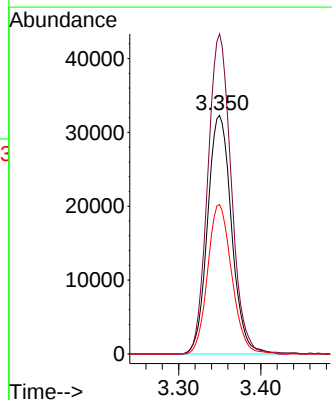
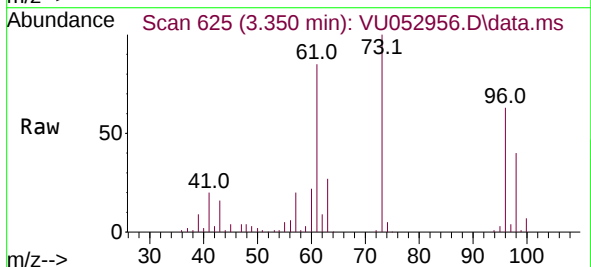
Tgt Ion: 96 Resp: 65727

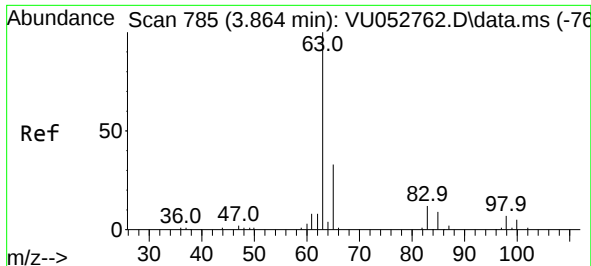
Ion Ratio Lower Upper

96 100

61 134.1 108.4 201.4

98 62.7 43.8 81.4





#19

1,1-Dichloroethane

Concen: 3.912 ug/L

RT: 3.861 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

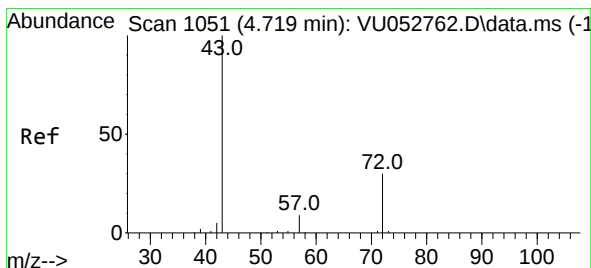
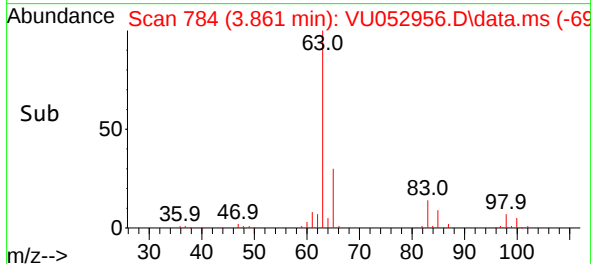
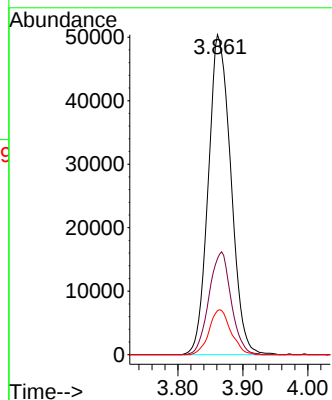
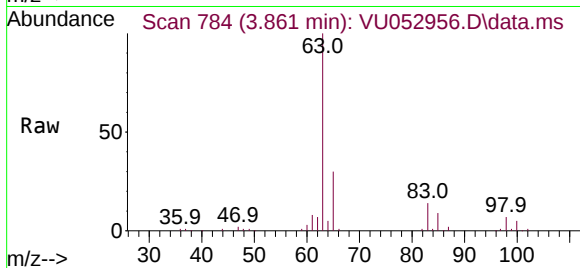
Tgt Ion: 63 Resp: 121692

Ion Ratio Lower Upper

63 100

65 30.0 22.0 41.0

83 13.8 8.9 16.5



#21

2-Butanone

Concen: 34.953 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. -0.006 min

Lab File: VU052956.D

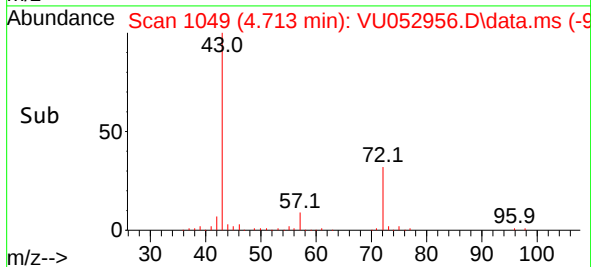
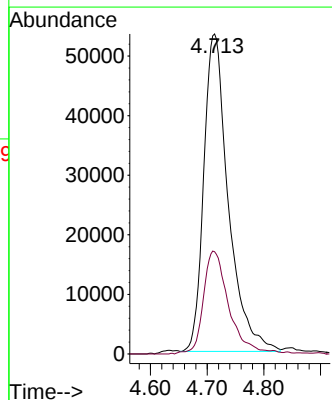
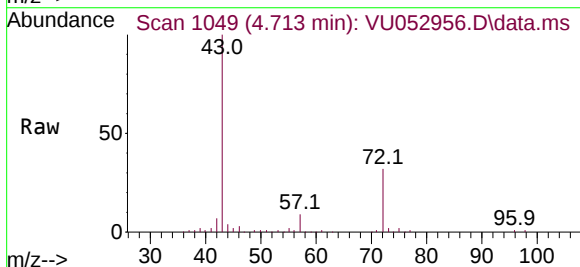
Acq: 05 Feb 2023 15:21

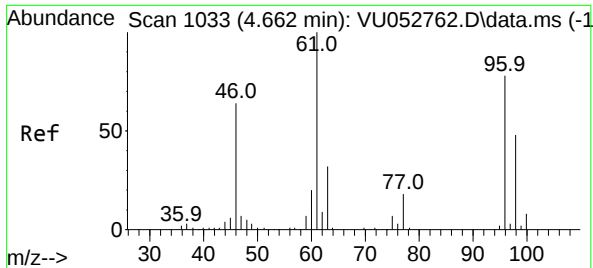
Tgt Ion: 43 Resp: 160596

Ion Ratio Lower Upper

43 100

72 33.2 12.9 38.6

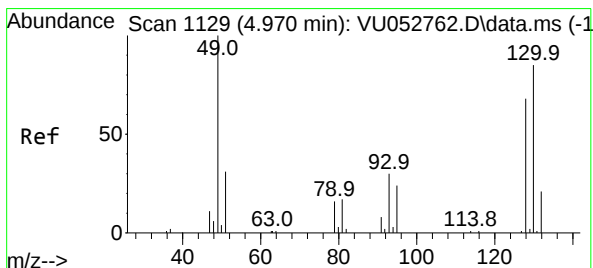
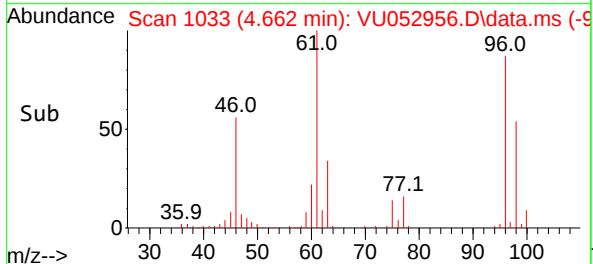
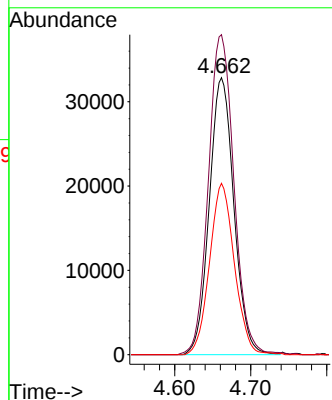
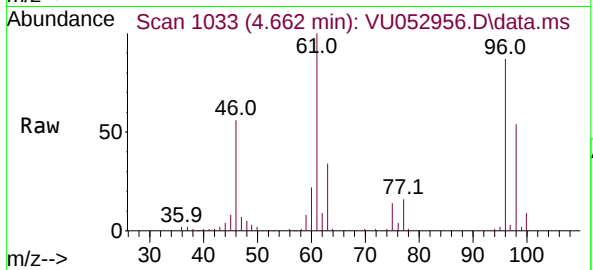




#22
 cis-1,2-Dichloroethene
 Concen: 4.604 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052956.D
 Acq: 05 Feb 2023 15:21

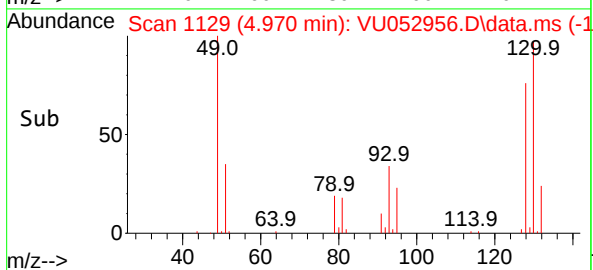
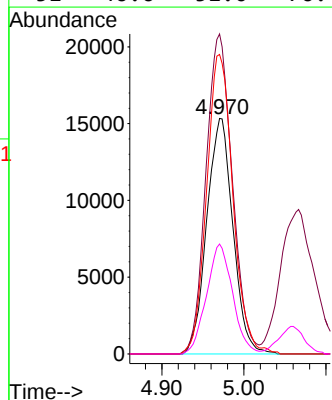
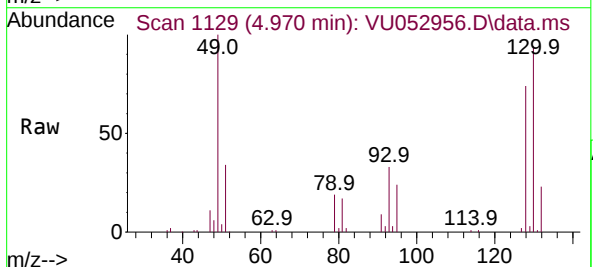
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

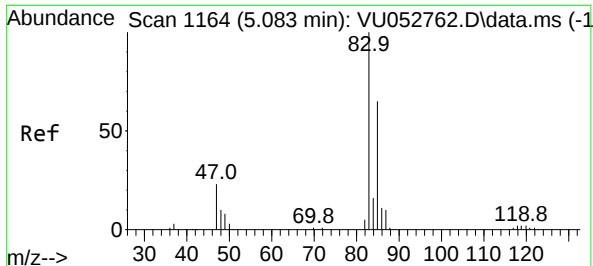
Tgt Ion:	96	Resp:	74058
Ion	Ratio	Lower	Upper
96	100		
61	115.5	94.6	175.8
98	61.9	43.3	80.3



#23
 Bromochloromethane
 Concen: 4.986 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU052956.D
 Acq: 05 Feb 2023 15:21

Tgt Ion:	128	Resp:	33954
Ion	Ratio	Lower	Upper
128	100		
49	135.9	142.8	265.2#
130	127.2	91.3	169.5
51	46.6	51.0	76.4#





#25

Chloroform

Concen: 4.301 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

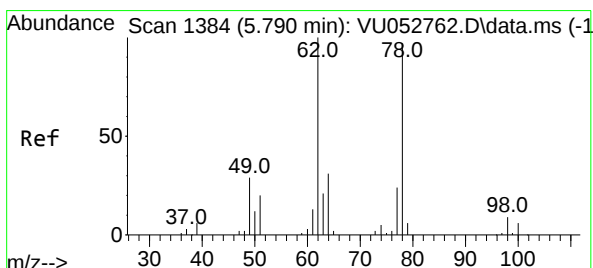
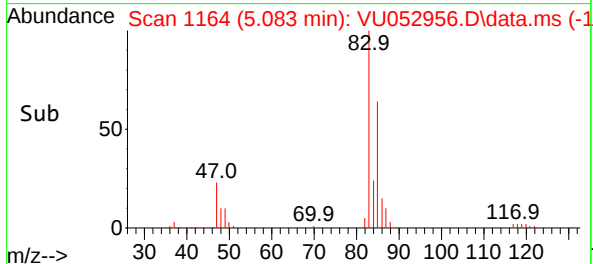
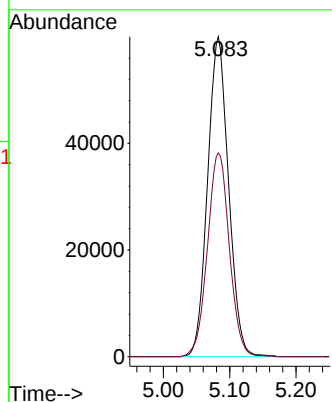
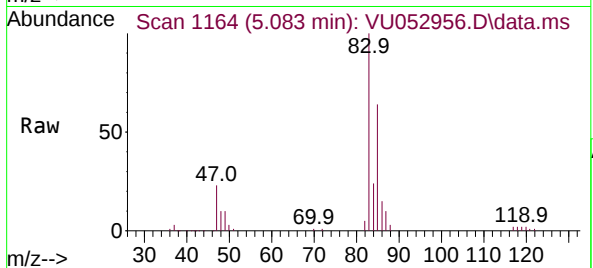
VSTD005132

Tgt Ion: 83 Resp: 131511

Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.143 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU052956.D

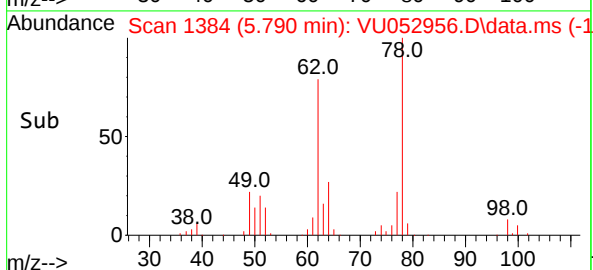
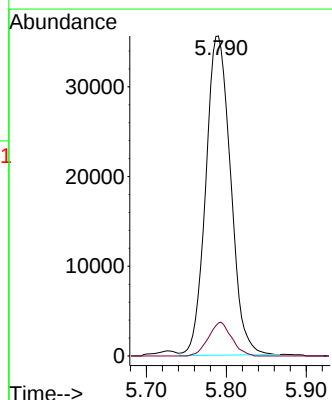
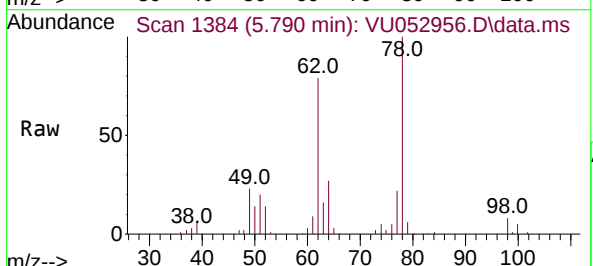
Acq: 05 Feb 2023 15:21

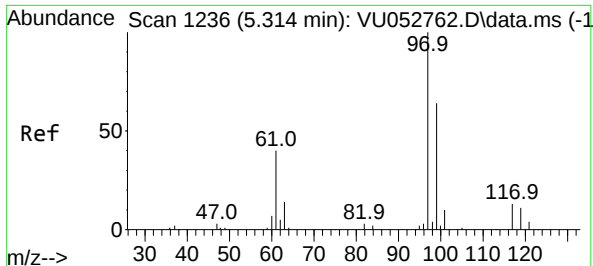
Tgt Ion: 62 Resp: 76777

Ion Ratio Lower Upper

62 100

98 10.3 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 4.513 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

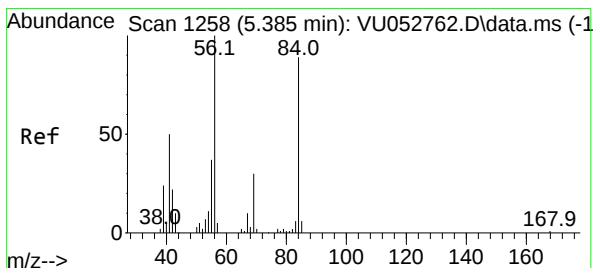
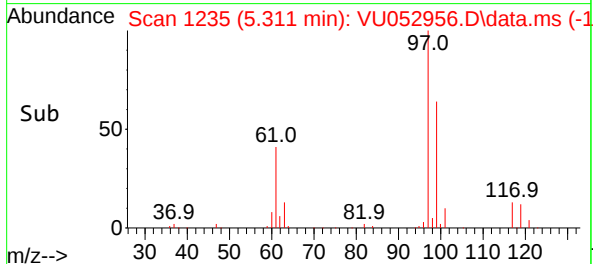
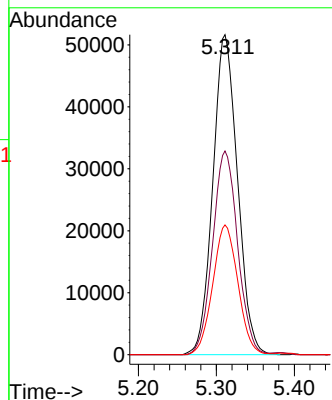
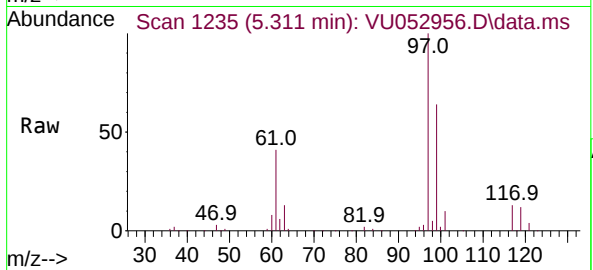
Tgt Ion: 97 Resp: 113666

Ion Ratio Lower Upper

97 100

99 64.7 52.4 78.6

61 41.4 38.5 57.7



#30

Cyclohexane

Concen: 3.935 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

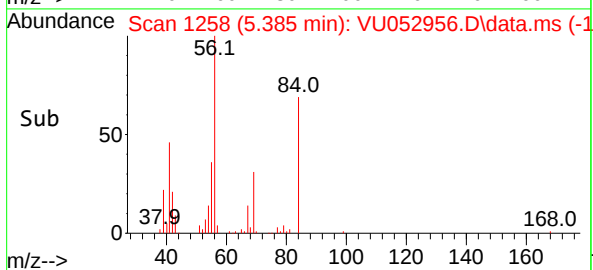
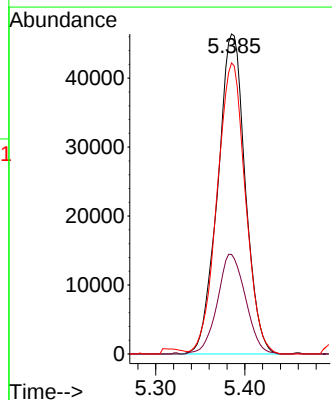
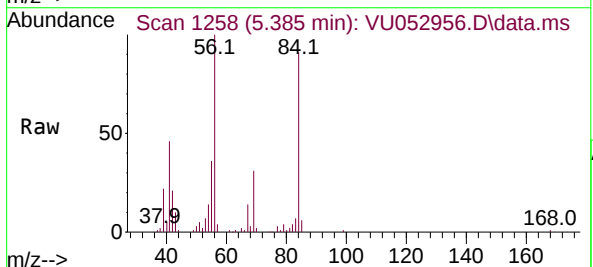
Tgt Ion: 56 Resp: 99725

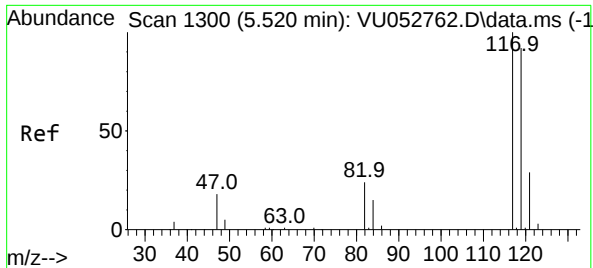
Ion Ratio Lower Upper

56 100

69 31.8 23.8 35.8

84 93.5 66.2 99.4

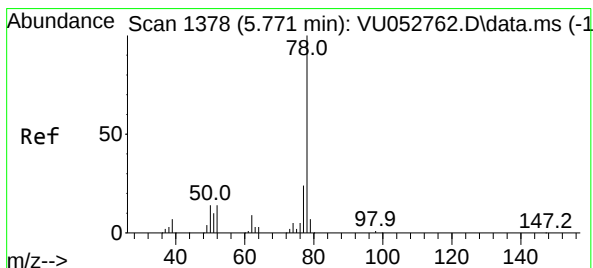
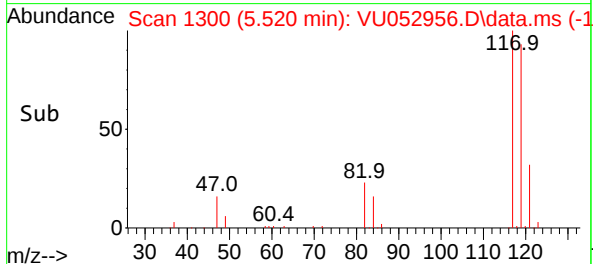
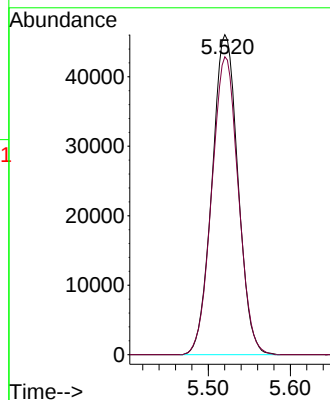
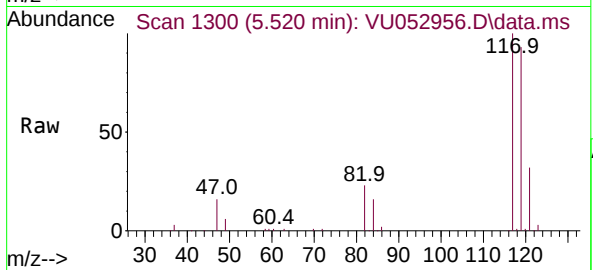




#31
Carbon tetrachloride
Concen: 5.137 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

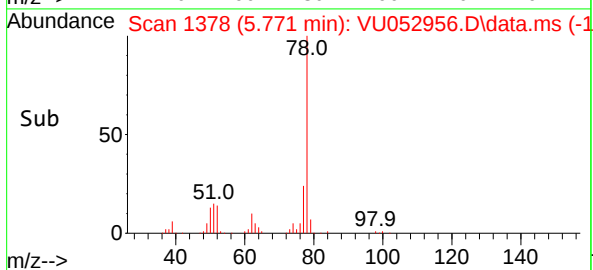
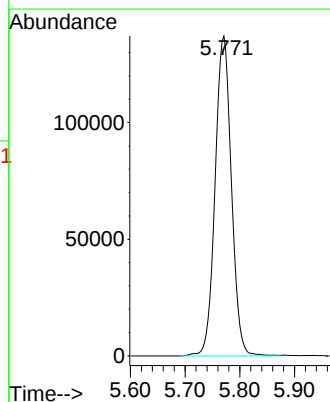
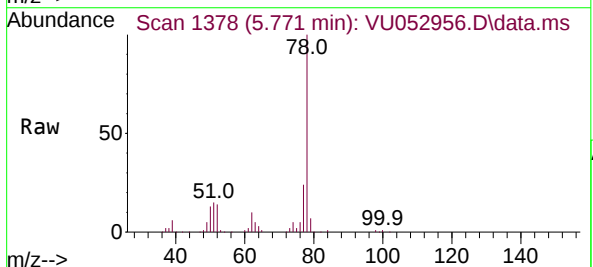
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

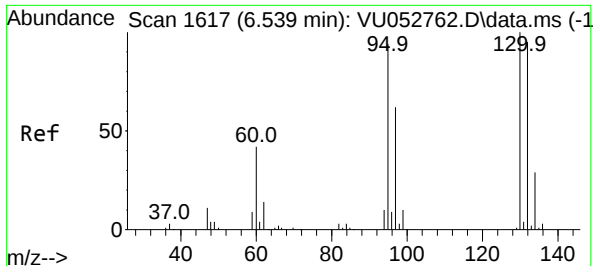
Tgt Ion:117 Resp: 101389
Ion Ratio Lower Upper
117 100
119 95.1 77.8 116.8



#33
Benzene
Concen: 4.465 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 78 Resp: 283724



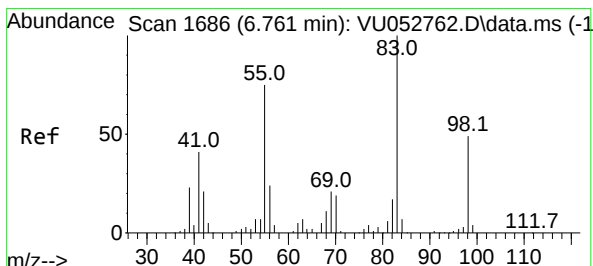
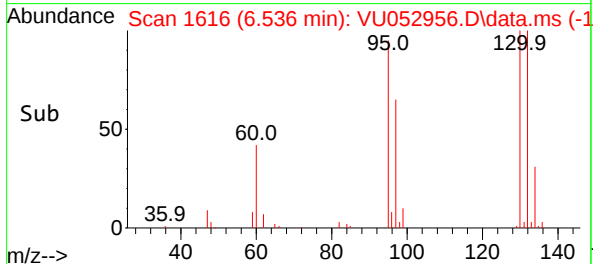
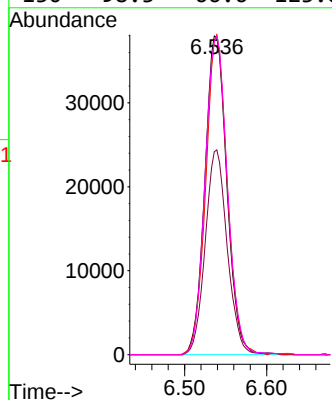
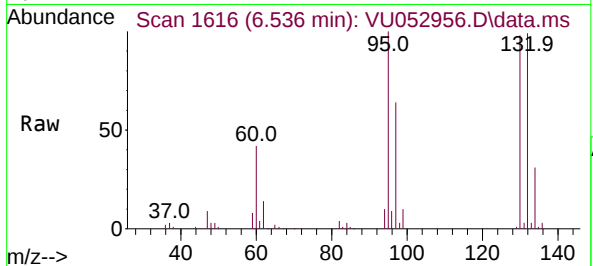


#34
Trichloroethene
Concen: 4.709 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

Tgt Ion: 95 Resp: 70783

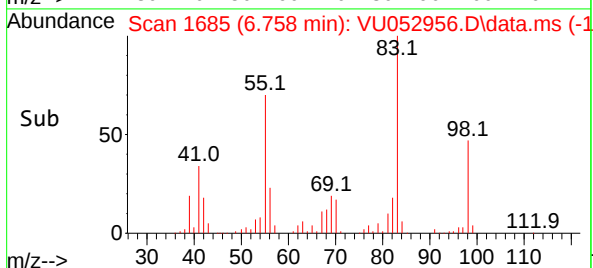
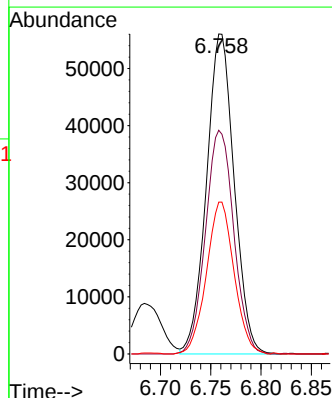
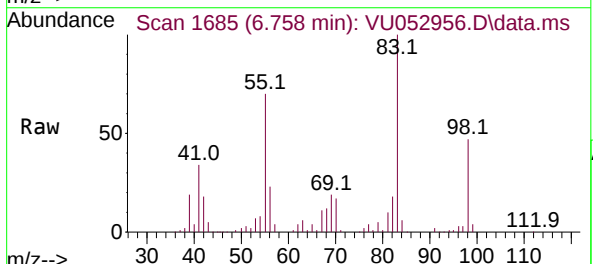
Ion	Ratio	Lower	Upper
95	100		
97	63.6	46.0	85.4
132	98.5	64.0	118.8
130	98.3	66.6	123.8

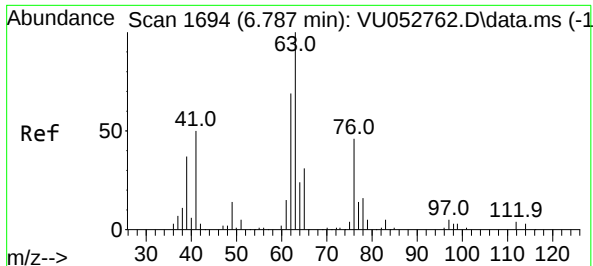


#35
Methylcyclohexane
Concen: 4.329 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 83 Resp: 107457

Ion	Ratio	Lower	Upper
83	100		
55	71.4	67.6	101.4
98	47.2	37.1	55.7

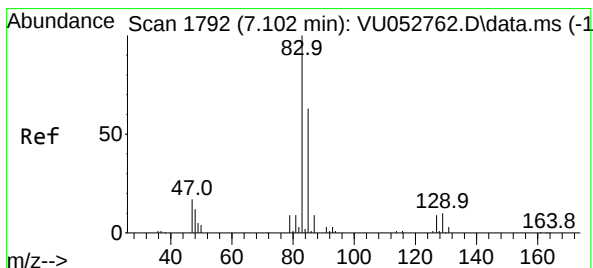
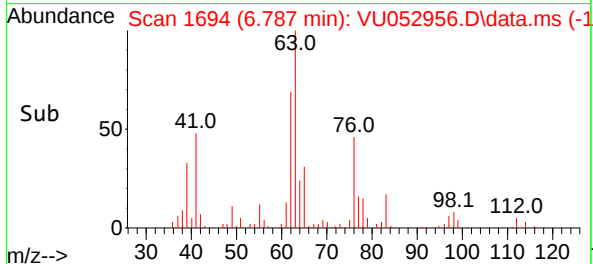
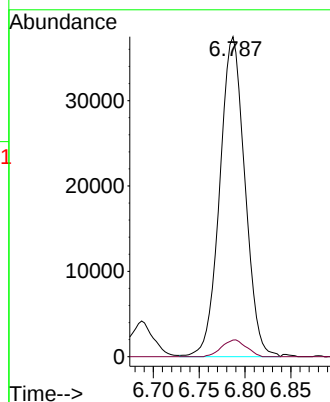
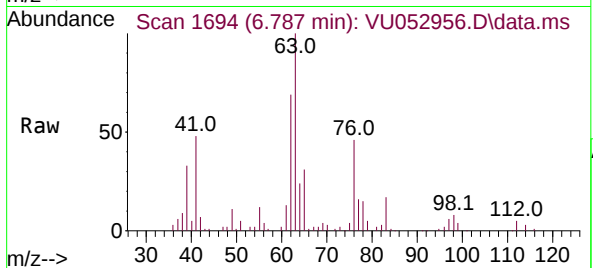




#37
1,2-Dichloropropane
Concen: 4.192 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

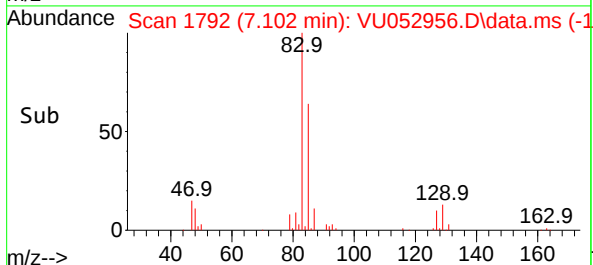
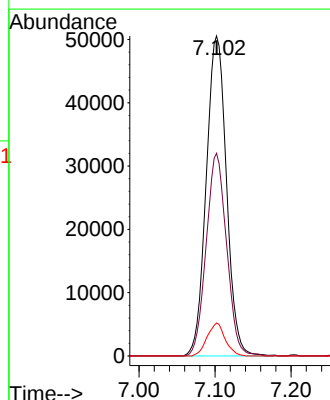
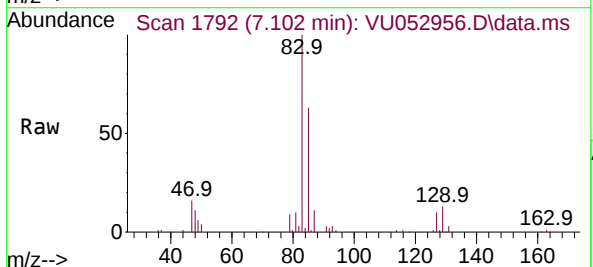
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

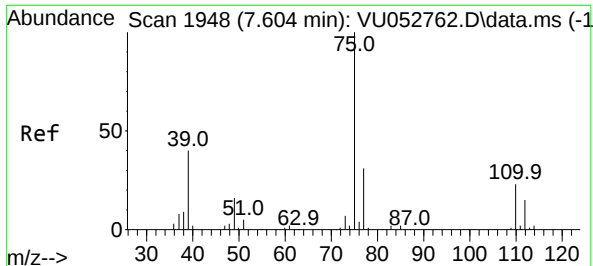
Tgt Ion: 63 Resp: 71486
Ion Ratio Lower Upper
63 100
112 5.1 2.9 4.3#



#38
Bromodichloromethane
Concen: 4.654 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 83 Resp: 93458
Ion Ratio Lower Upper
83 100
85 63.4 47.0 87.4
127 10.3 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 4.357 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

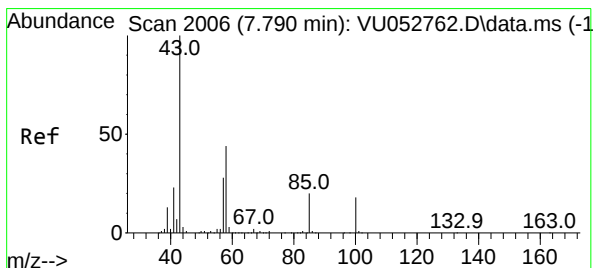
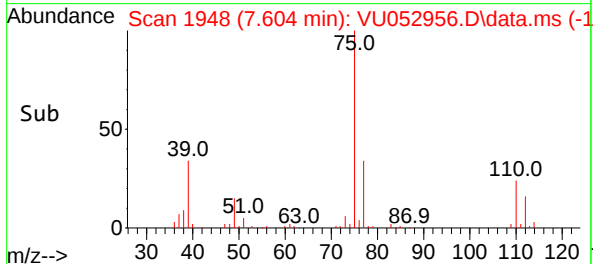
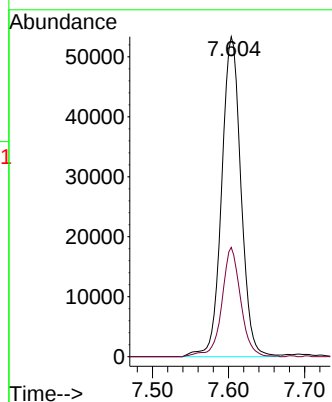
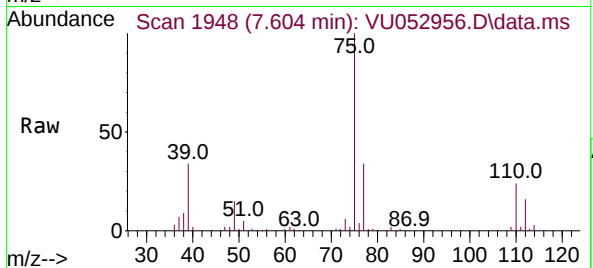
VSTD005132

Tgt Ion: 75 Resp: 94320

Ion Ratio Lower Upper

75 100

77 34.1 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 36.068 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

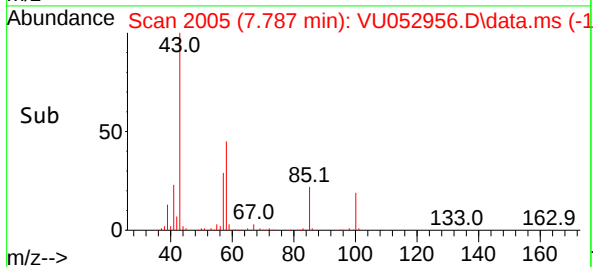
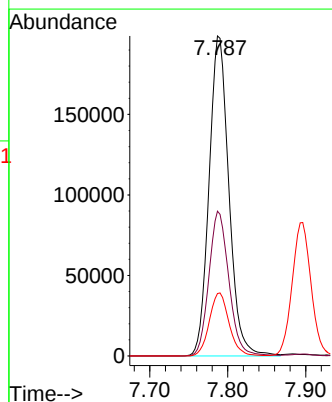
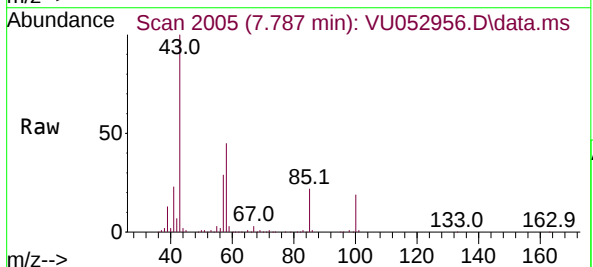
Tgt Ion: 43 Resp: 351780

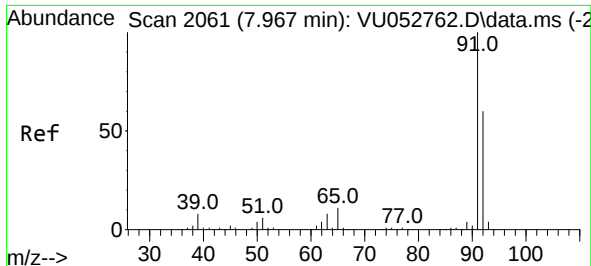
Ion Ratio Lower Upper

43 100

58 45.6 32.0 48.0

100 19.7 11.3 16.9#

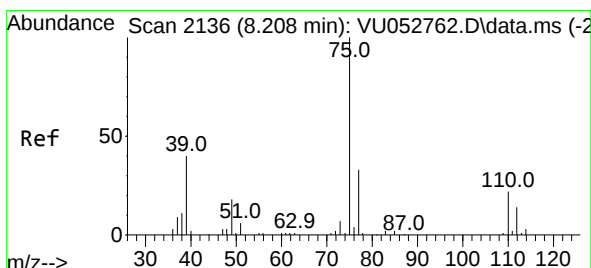
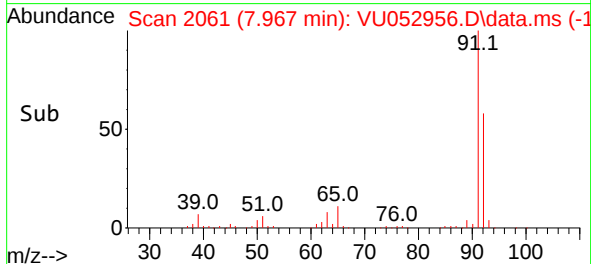
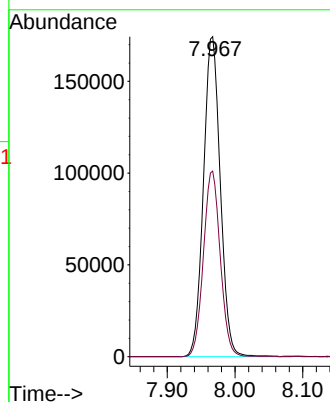
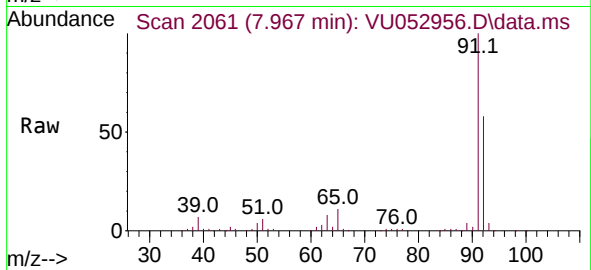




#42
Toluene
Concen: 4.764 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

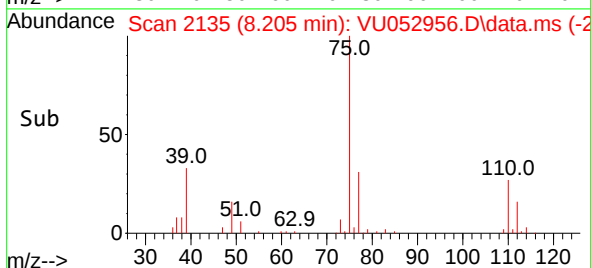
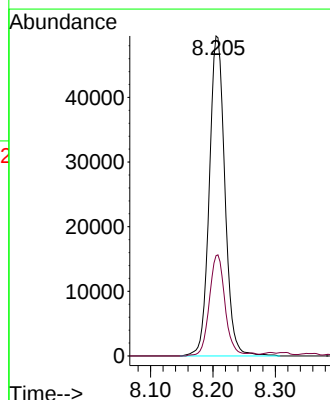
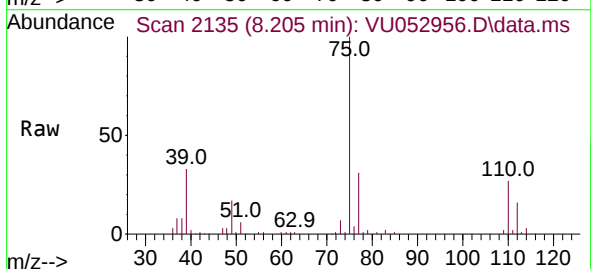
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

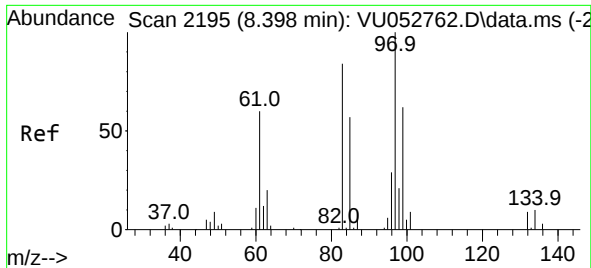
Tgt Ion: 91 Resp: 301540
Ion Ratio Lower Upper
91 100
92 58.0 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 4.608 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 75 Resp: 86105
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.5



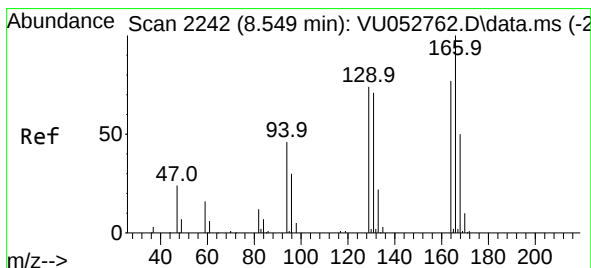
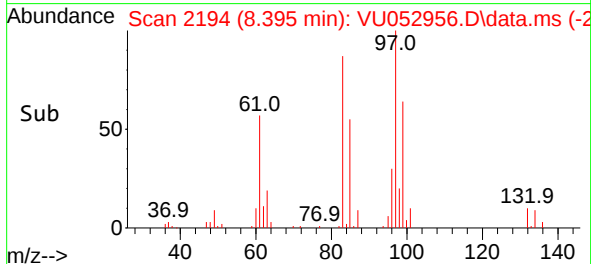
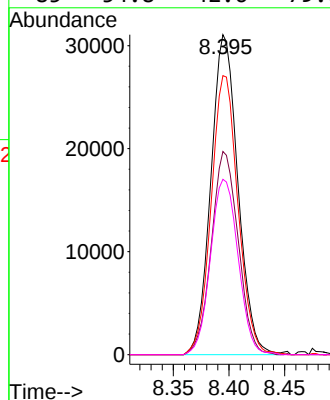
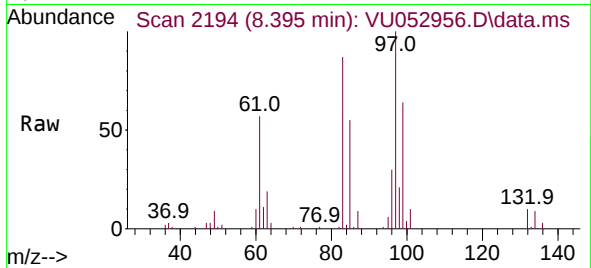


#45
1,1,2-Trichloroethane
Concen: 4.889 ug/L
RT: 8.395 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

Tgt Ion: 97 Resp: 52440

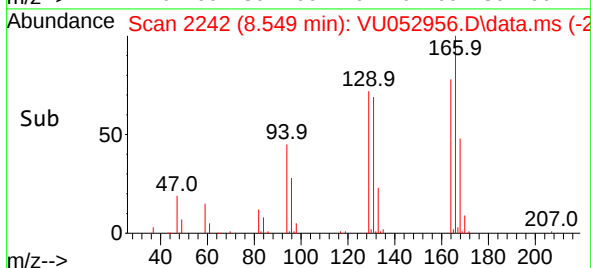
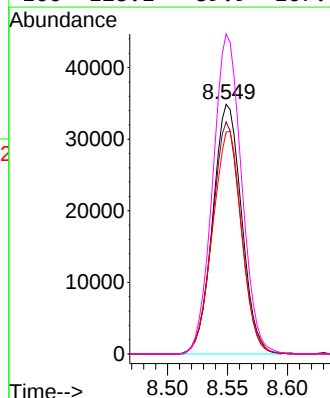
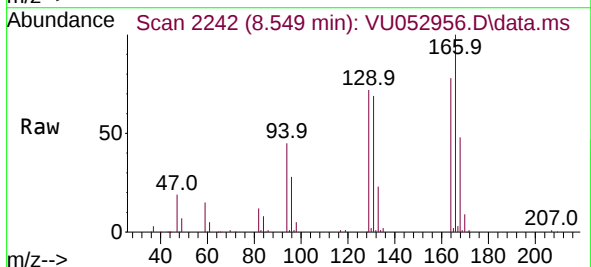
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.8	83.2
83	87.2	65.3	121.3
85	54.8	42.6	79.0

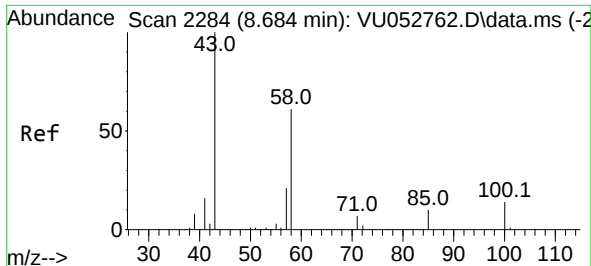


#47
Tetrachloroethene
Concen: 5.256 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion: 164 Resp: 58207

Ion	Ratio	Lower	Upper
164	100		
129	92.9	71.8	133.4
131	88.9	66.6	123.6
166	128.1	89.9	167.0

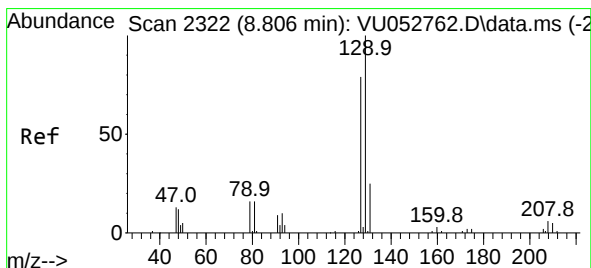
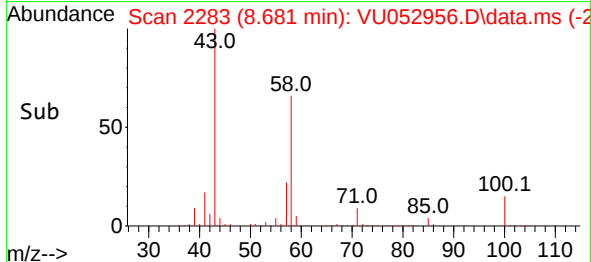
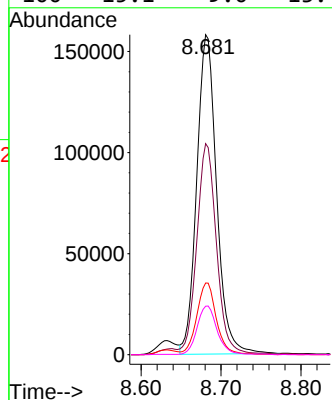
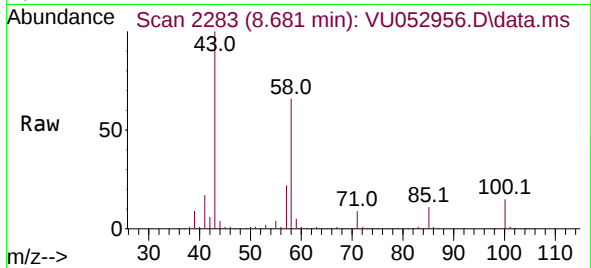




#48
2-Hexanone
Concen: 38.289 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

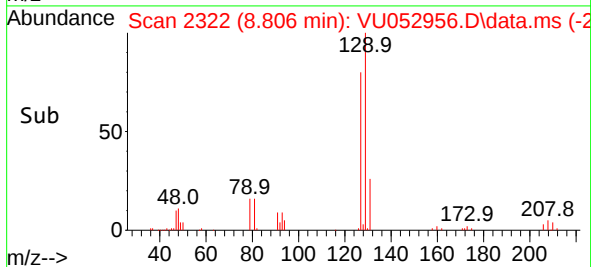
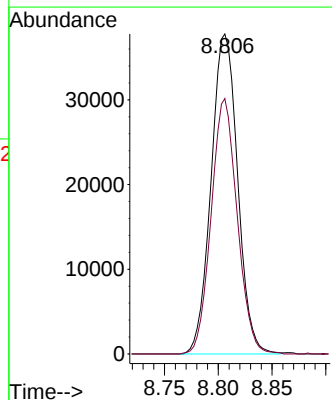
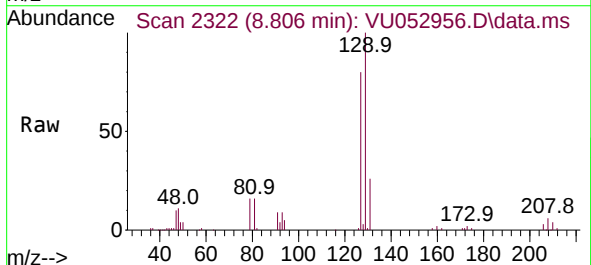
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

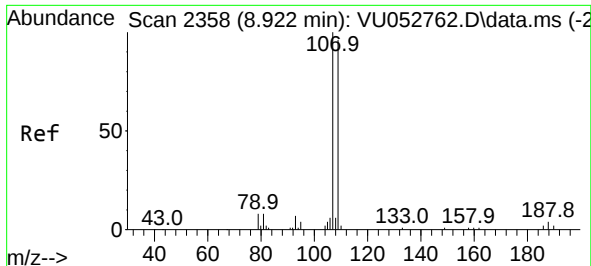
Tgt Ion: 43	Resp: 273430
Ion Ratio	Lower Upper
43 100	
58 64.5	45.1 67.7
57 22.4	15.1 22.7
100 15.1	9.0 13.4#



#49
Dibromochloromethane
Concen: 5.233 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion:129	Resp: 64894		
Ion Ratio	Lower	Upper	
129 100			
127 79.8	53.5	99.5	





#50

1,2-Dibromoethane

Concen: 4.878 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

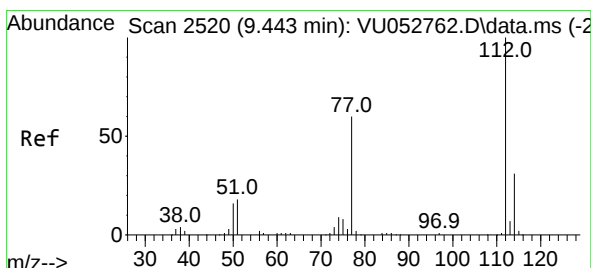
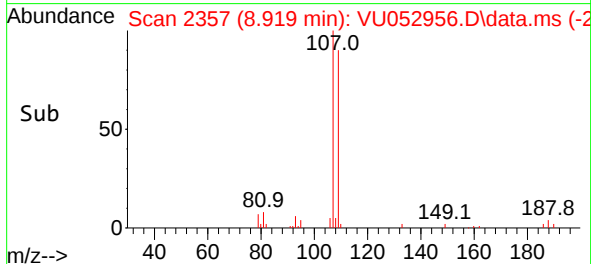
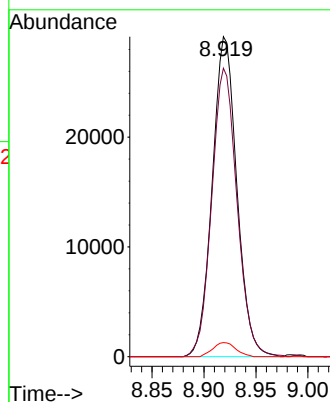
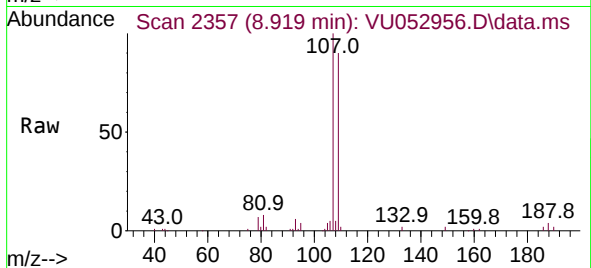
Tgt Ion:107 Resp: 48096

Ion Ratio Lower Upper

107 100

109 90.2 65.3 121.3

188 4.4 2.4 3.6#



#51

Chlorobenzene

Concen: 4.954 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

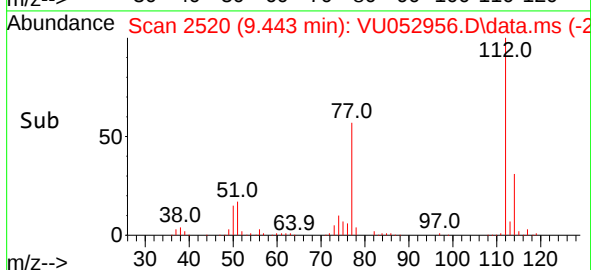
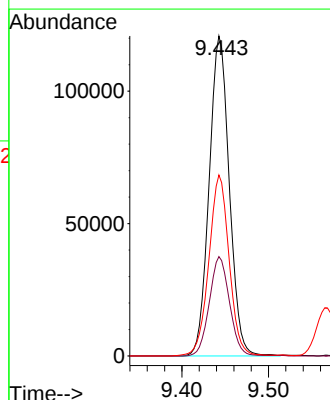
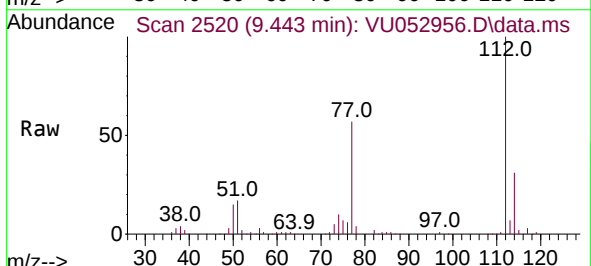
Tgt Ion:112 Resp: 195348

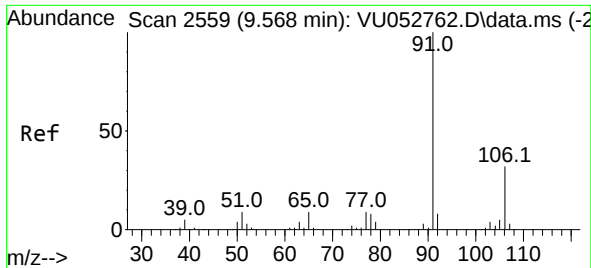
Ion Ratio Lower Upper

112 100

114 31.1 22.8 42.4

77 56.5 50.2 75.4

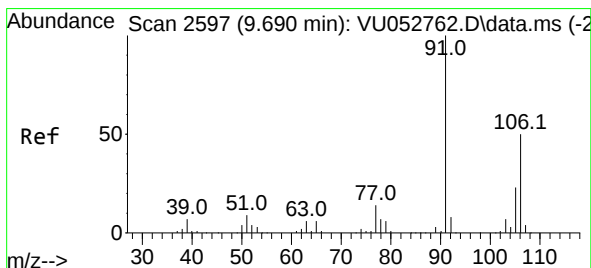
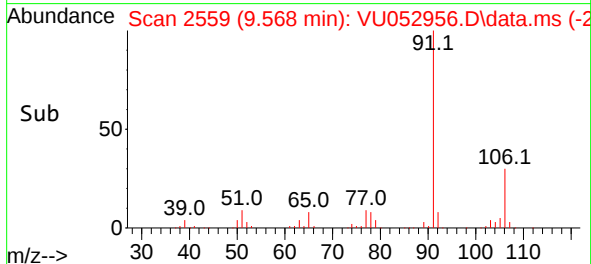
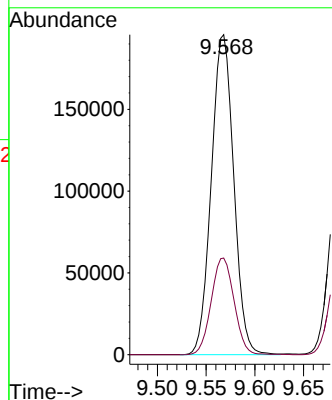
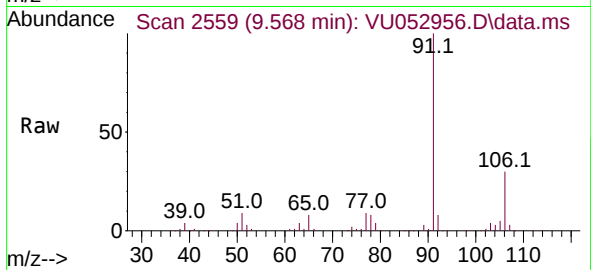




#52
Ethylbenzene
Concen: 4.861 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

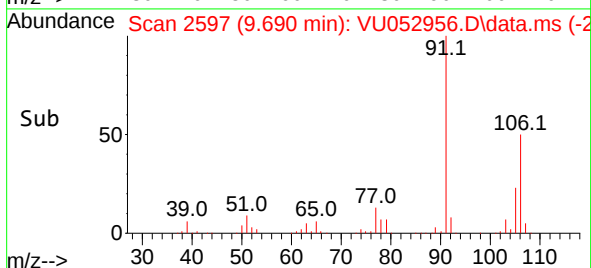
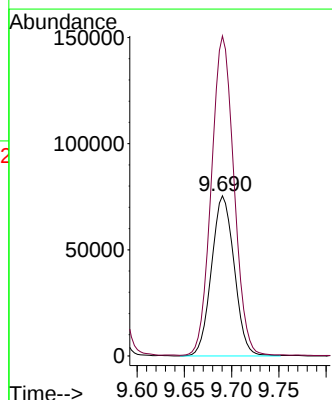
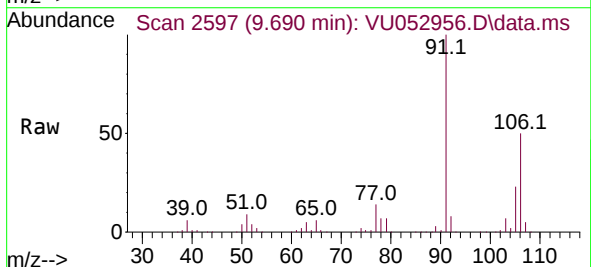
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

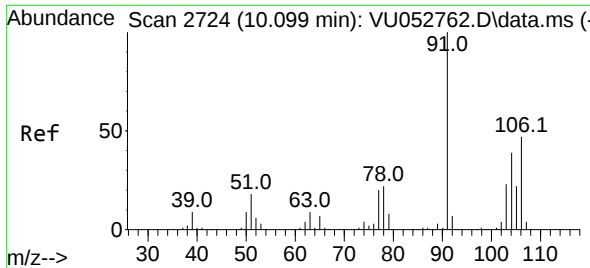
Tgt Ion: 91 Resp: 313452
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.160 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion:106 Resp: 126047
Ion Ratio Lower Upper
106 100
91 199.8 144.3 267.9

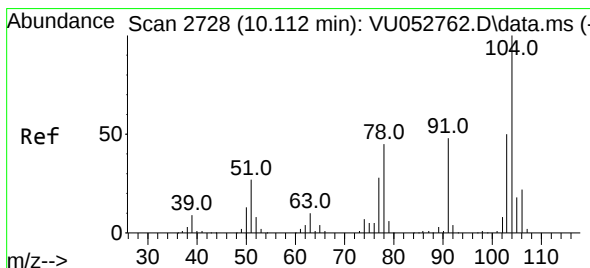
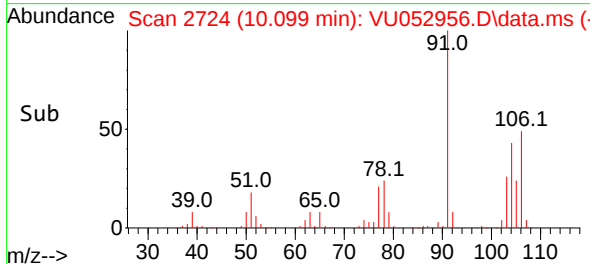
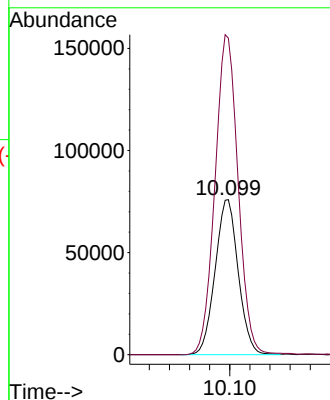
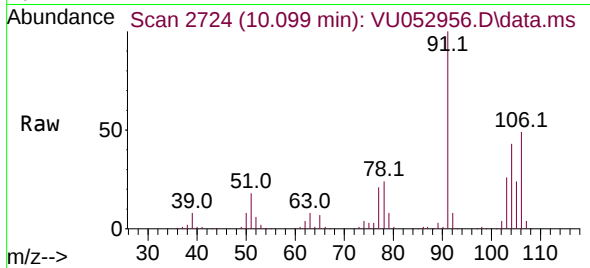




#54
o-Xylene
Concen: 5.189 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

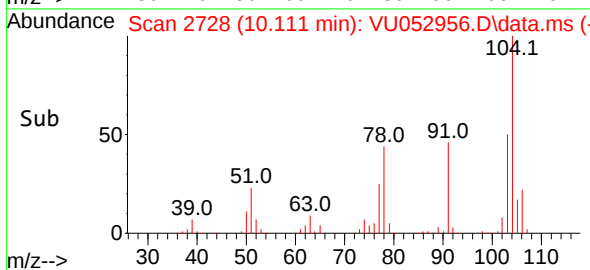
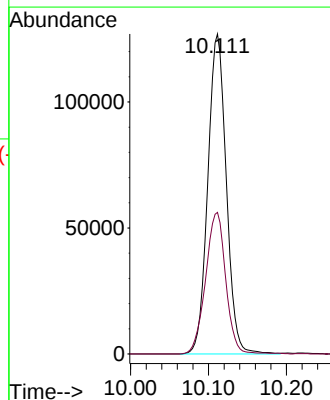
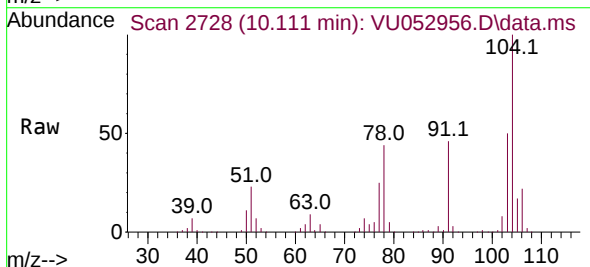
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

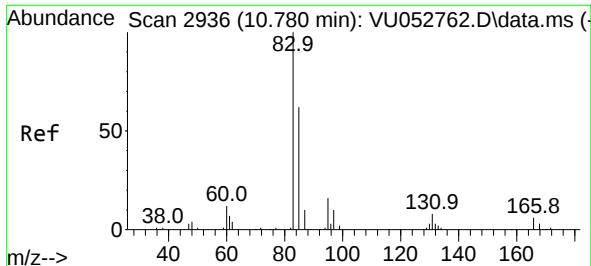
Tgt Ion:106 Resp: 121191
Ion Ratio Lower Upper
106 100
91 204.1 148.7 276.1



#55
Styrene
Concen: 5.263 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion:104 Resp: 209674
Ion Ratio Lower Upper
104 100
78 44.3 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 5.018 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

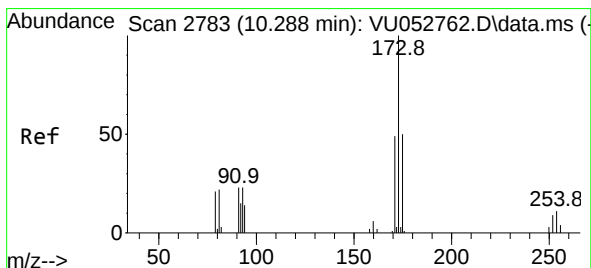
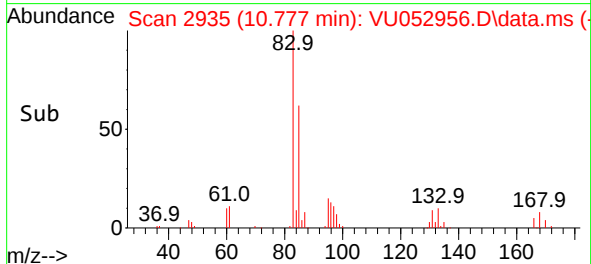
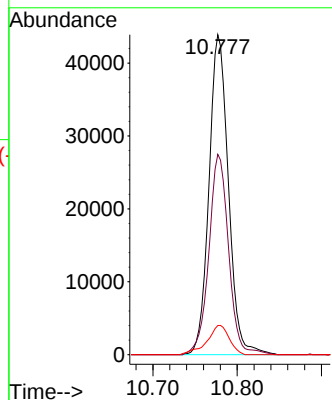
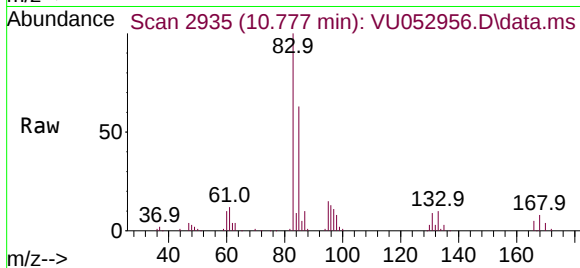
Tgt Ion: 83 Resp: 70306

Ion Ratio Lower Upper

83 100

85 62.6 43.7 81.1

131 9.1 7.0 10.6



#59

Bromoform

Concen: 5.457 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

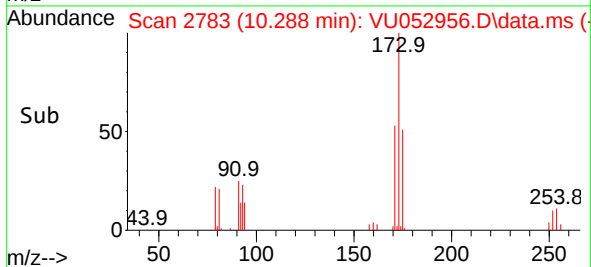
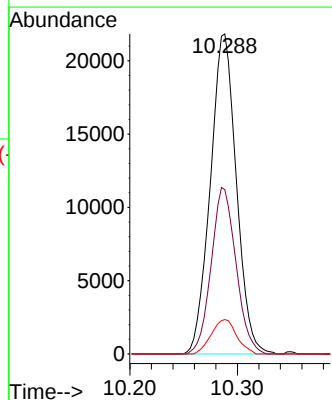
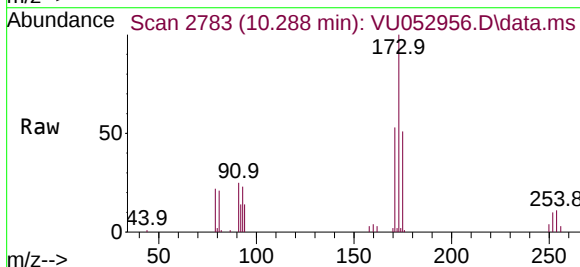
Tgt Ion:173 Resp: 36697

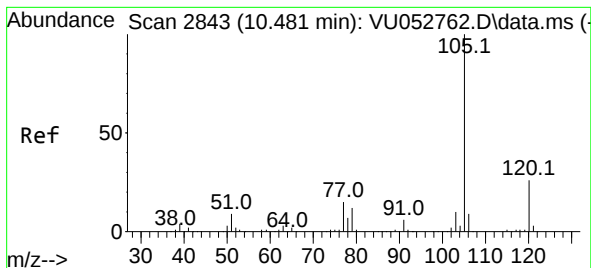
Ion Ratio Lower Upper

173 100

175 49.6 38.2 57.4

254 10.4 7.3 10.9





#60

Isopropylbenzene

Concen: 5.129 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

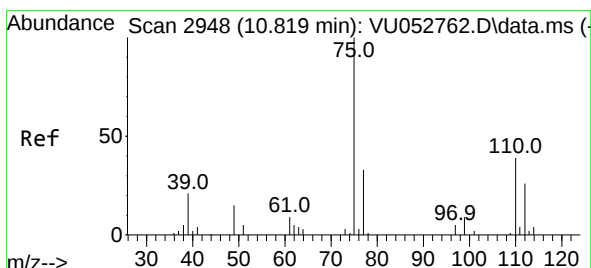
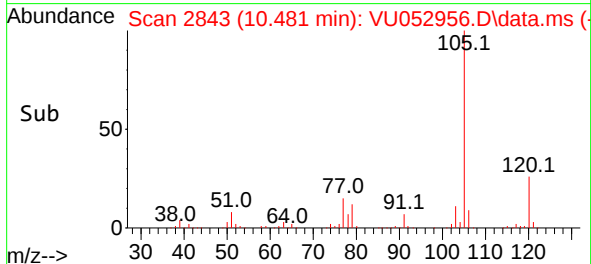
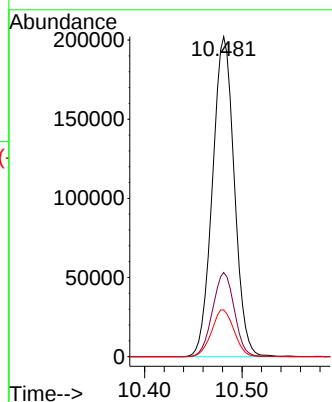
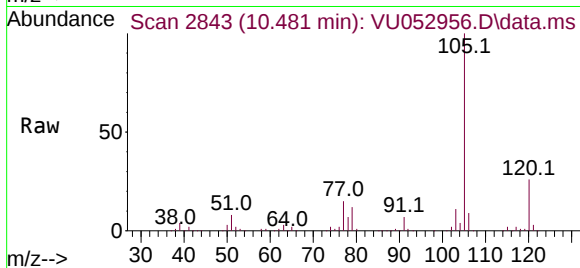
Tgt Ion:105 Resp: 314392

Ion Ratio Lower Upper

105 100

120 26.3 20.4 30.6

77 15.1 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.565 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

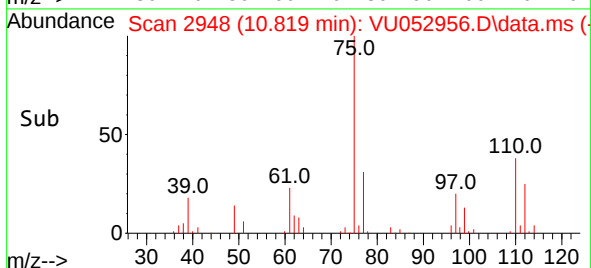
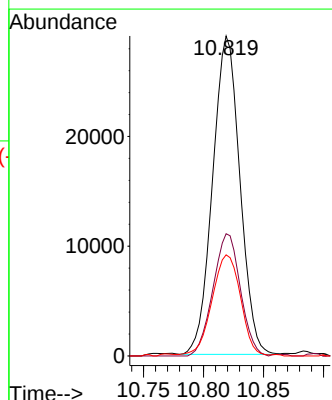
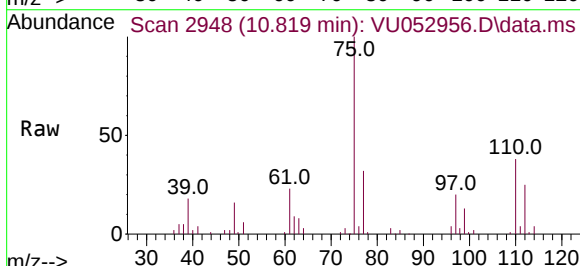
Tgt Ion: 75 Resp: 45883

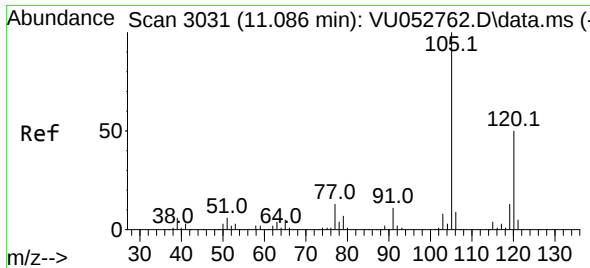
Ion Ratio Lower Upper

75 100

110 38.5 27.2 40.8

77 32.2 24.0 36.0

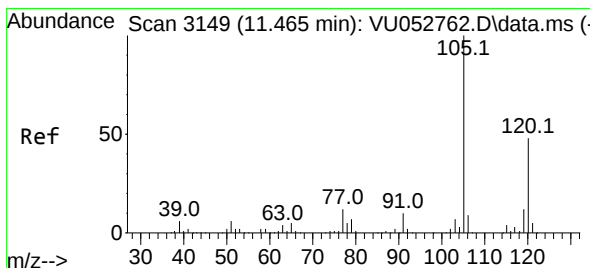
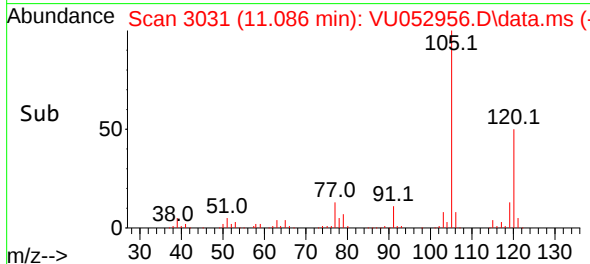
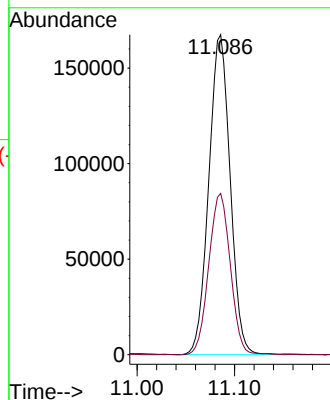
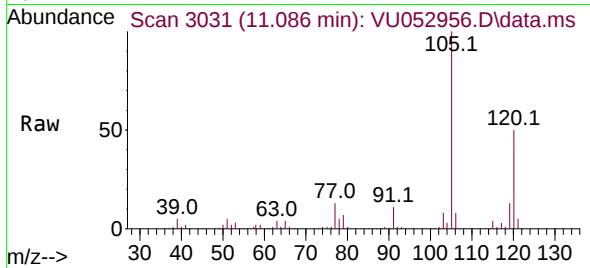




#62
1,3,5-Trimethylbenzene
Concen: 5.213 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

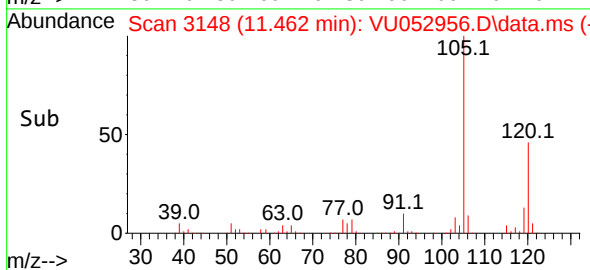
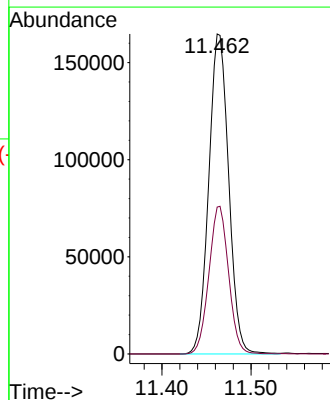
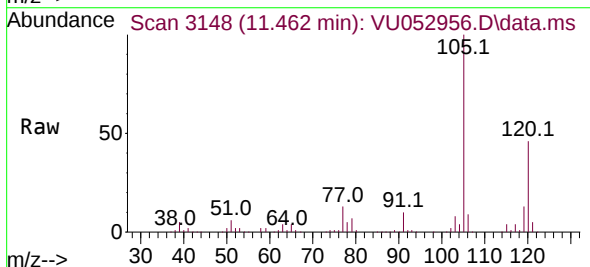
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

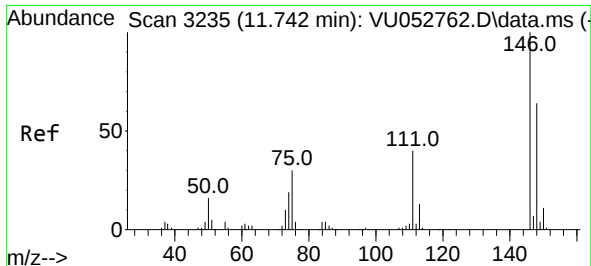
Tgt Ion:105 Resp: 254872
Ion Ratio Lower Upper
105 100
120 50.9 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 5.181 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion:105 Resp: 255157
Ion Ratio Lower Upper
105 100
120 45.6 35.9 53.9

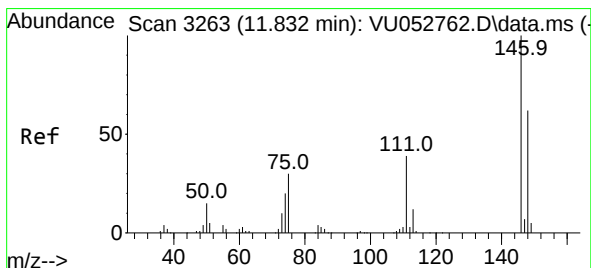
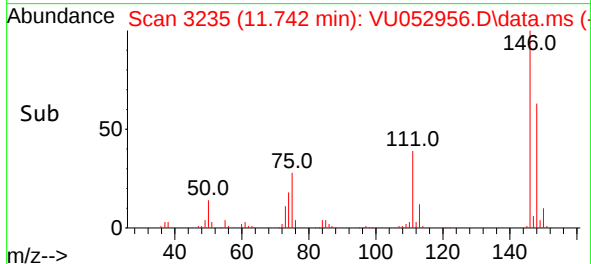
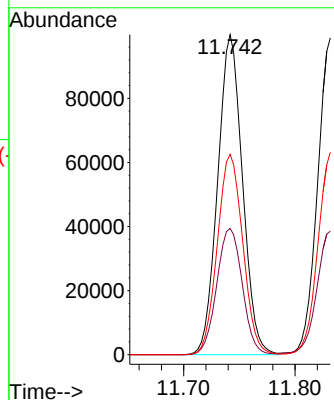
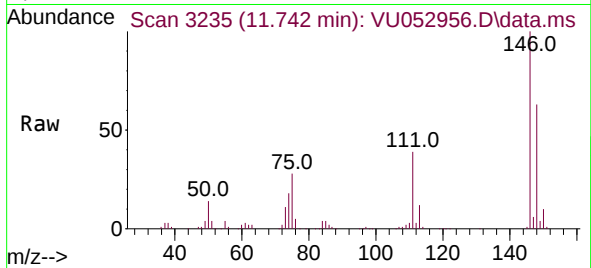




#64
1,3-Dichlorobenzene
Concen: 5.297 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

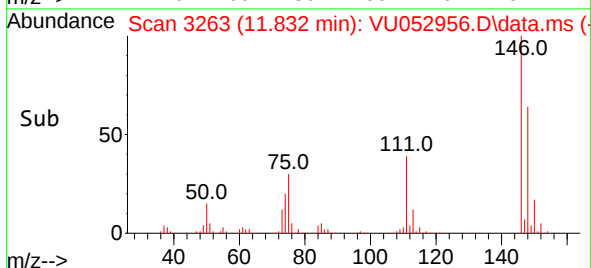
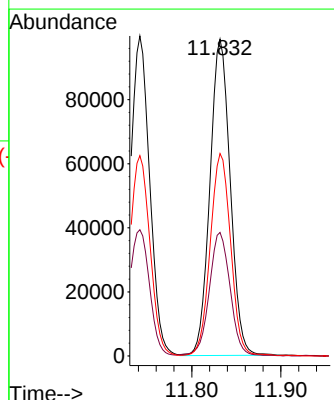
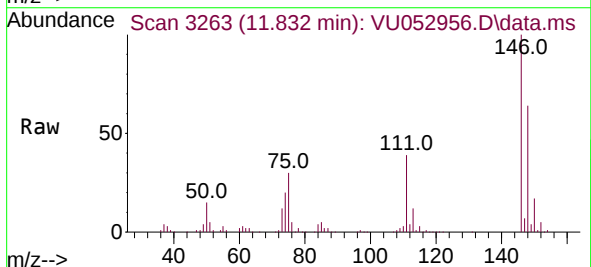
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

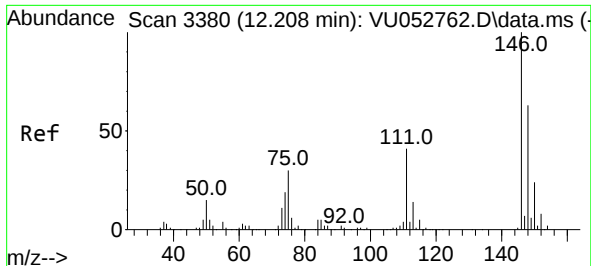
Tgt Ion:146 Resp: 154464
Ion Ratio Lower Upper
146 100
111 39.5 29.4 54.6
148 62.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.247 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion:146 Resp: 156074
Ion Ratio Lower Upper
146 100
111 39.0 28.1 52.3
148 63.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.393 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

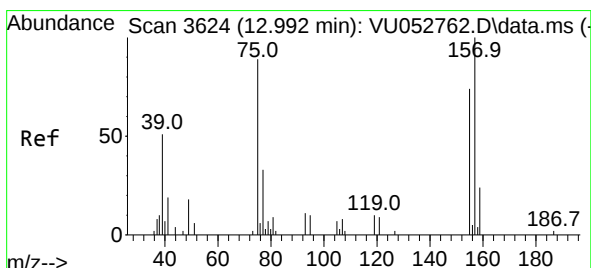
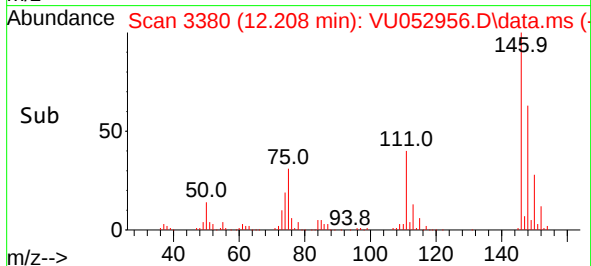
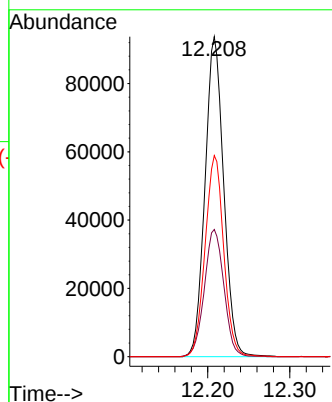
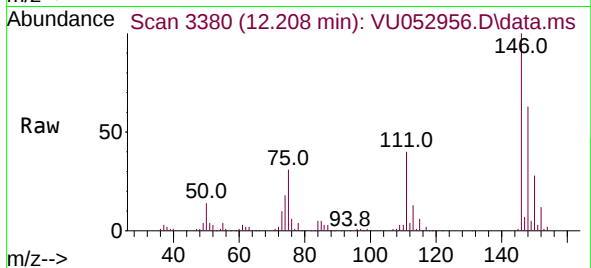
Tgt Ion:146 Resp: 147972

Ion Ratio Lower Upper

146 100

111 39.7 33.8 50.6

148 62.9 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.190 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

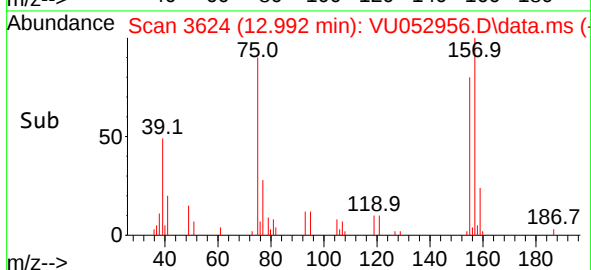
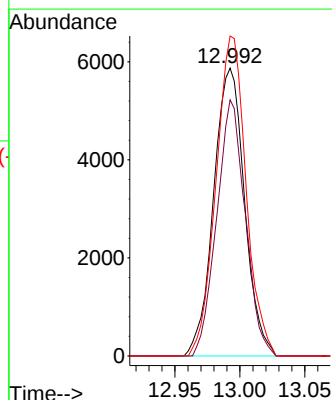
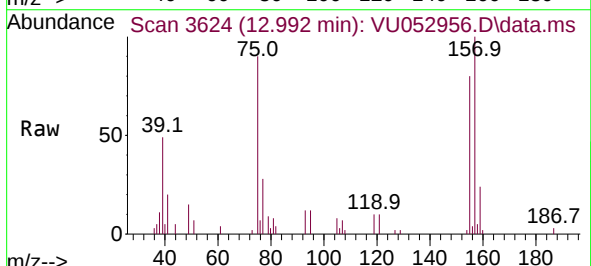
Tgt Ion: 75 Resp: 9712

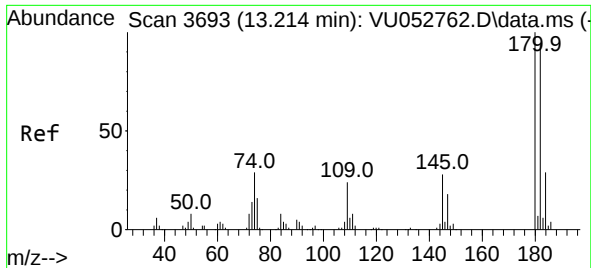
Ion Ratio Lower Upper

75 100

155 89.0 48.0 72.0#

157 111.2 69.3 103.9#





#69

1,3,5-Trichlorobenzene

Concen: 5.246 ug/L

RT: 13.214 min Scan# 3

Delta R.T. -0.000 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

Tgt Ion:180 Resp: 113627

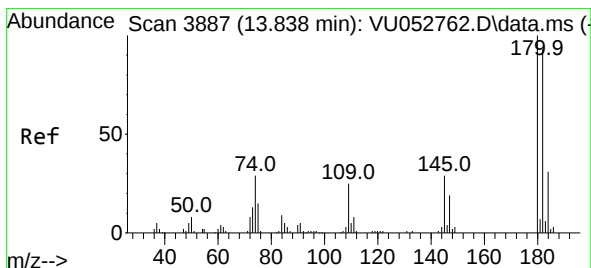
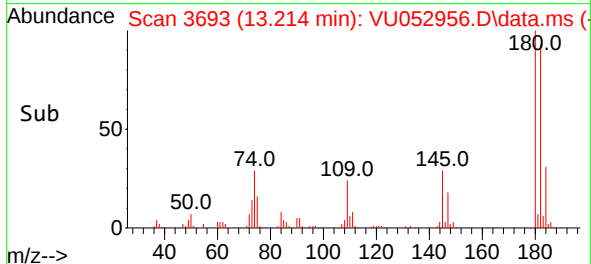
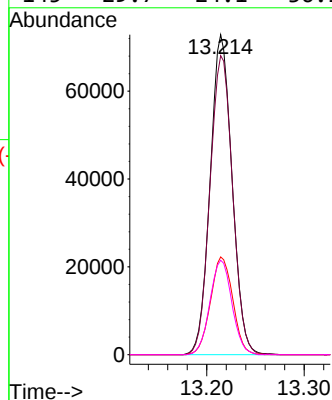
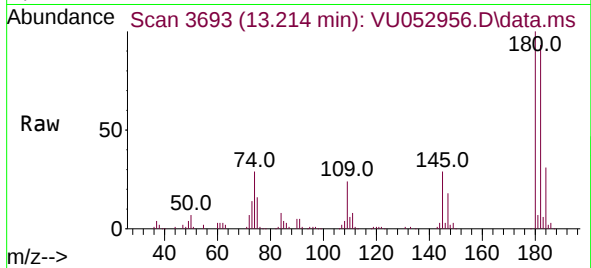
Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

184 31.1 23.6 35.4

145 29.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.330 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU052956.D

Acq: 05 Feb 2023 15:21

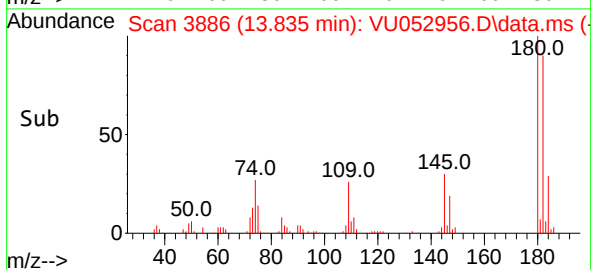
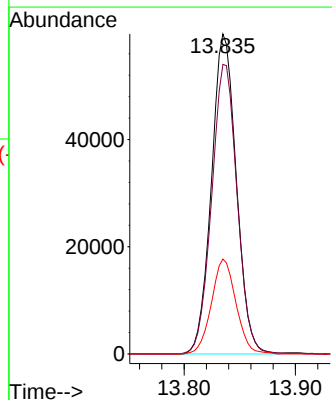
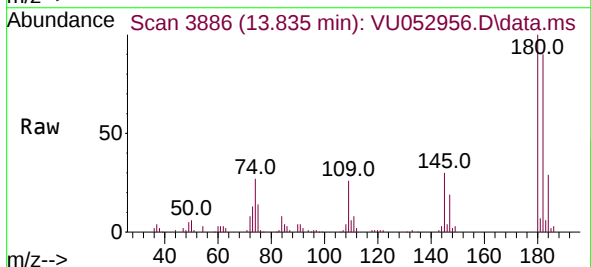
Tgt Ion:180 Resp: 92590

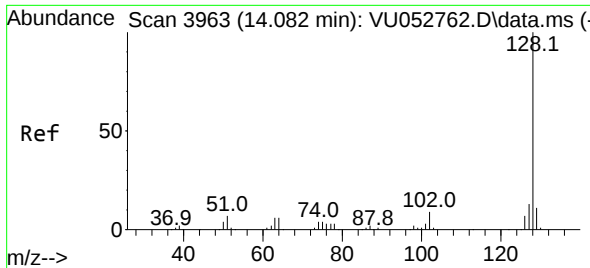
Ion Ratio Lower Upper

180 100

182 92.6 77.5 116.3

145 29.2 25.3 37.9

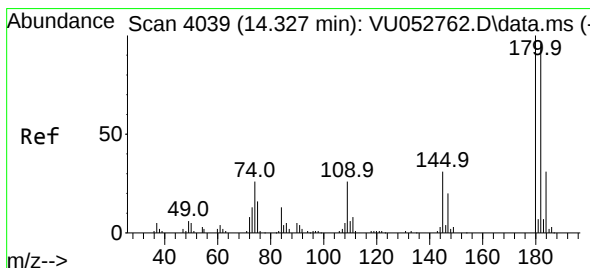
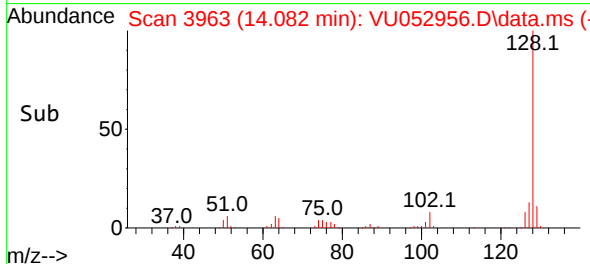
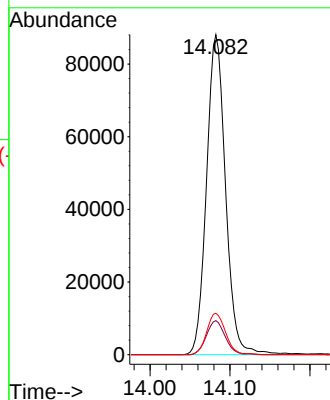
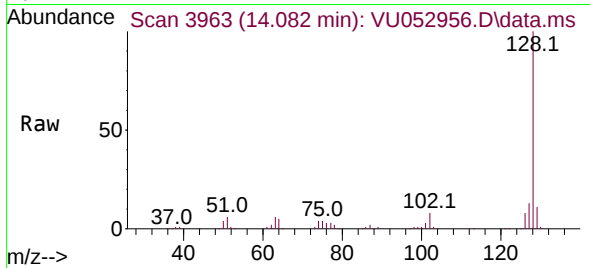




#71
Naphthalene
Concen: 4.834 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

Tgt Ion:	128	Resp:	145765
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.3	12.5
127	12.9	10.8	16.2



#72
1,2,3-Trichlorobenzene
Concen: 5.468 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052956.D
Acq: 05 Feb 2023 15:21

Tgt Ion:	180	Resp:	87015
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
145	31.1	26.5	39.7

