

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055179.D
 Acq On : 07 Sep 2023 10:48
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005115

Quant Time: Sep 08 04:33:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	166003	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	166530	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	93367	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	45264	5.818	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.400%
7) Chloroethane-d5	1.908	69	49985	5.550	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.000%
11) 1,1-Dichloroethene-d2	2.560	65	24281	5.477	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.600%
20) 2-Butanone-d5	4.618	46	132307	58.601	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.200%
24) Chloroform-d	5.059	84	115525	5.596	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.000%
26) 1,2-Dichloroethane-d4	5.698	65	57426	5.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.200%
32) Benzene-d6	5.724	84	226220	5.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.000%
36) 1,2-Dichloropropane-d6	6.689	67	71920	5.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.000%
41) Toluene-d8	7.898	98	211229	5.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.600%
43) trans-1,3-Dichloroprop...	8.181	79	18977	5.271	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.400%
46) 2-Hexanone-d5	8.631	63	84687	57.936	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.880%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	54188	5.893	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.800%
66) 1,2-Dichlorobenzene-d4	12.193	152	74330	5.454	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	47012	4.874	ug/L	100
3) Chloromethane	1.518	50	50958	5.189	ug/L	98
5) Vinyl chloride	1.599	62	53786	5.192	ug/L	99
6) Bromomethane	1.853	94	31231	4.998	ug/L	99
8) Chloroethane	1.930	64	34365	5.094	ug/L	99
9) Trichlorofluoromethane	2.136	101	76884	5.103	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	47100	5.373	ug/L	97
12) 1,1-Dichloroethene	2.576	96	39061	5.090	ug/L	96
13) Acetone	2.621	43	78475	51.860	ug/L	97
14) Carbon disulfide	2.789	76	92175	4.904	ug/L	99
15) Methyl Acetate	2.949	43	15891	5.131	ug/L	94
16) Methylene chloride	3.039	84	51801	4.417	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	105638	5.248	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	39932	5.128	ug/L	99
19) 1,1-Dichloroethane	3.862	63	89073	5.293	ug/L	96
21) 2-Butanone	4.702	43	121004	54.426	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	48608	5.100	ug/L	90
23) Bromochloromethane	4.972	128	20253	5.167	ug/L	95
25) Chloroform	5.084	83	96290	5.494	ug/L	97

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 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005115

Quant Time: Sep 08 04:33:23 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

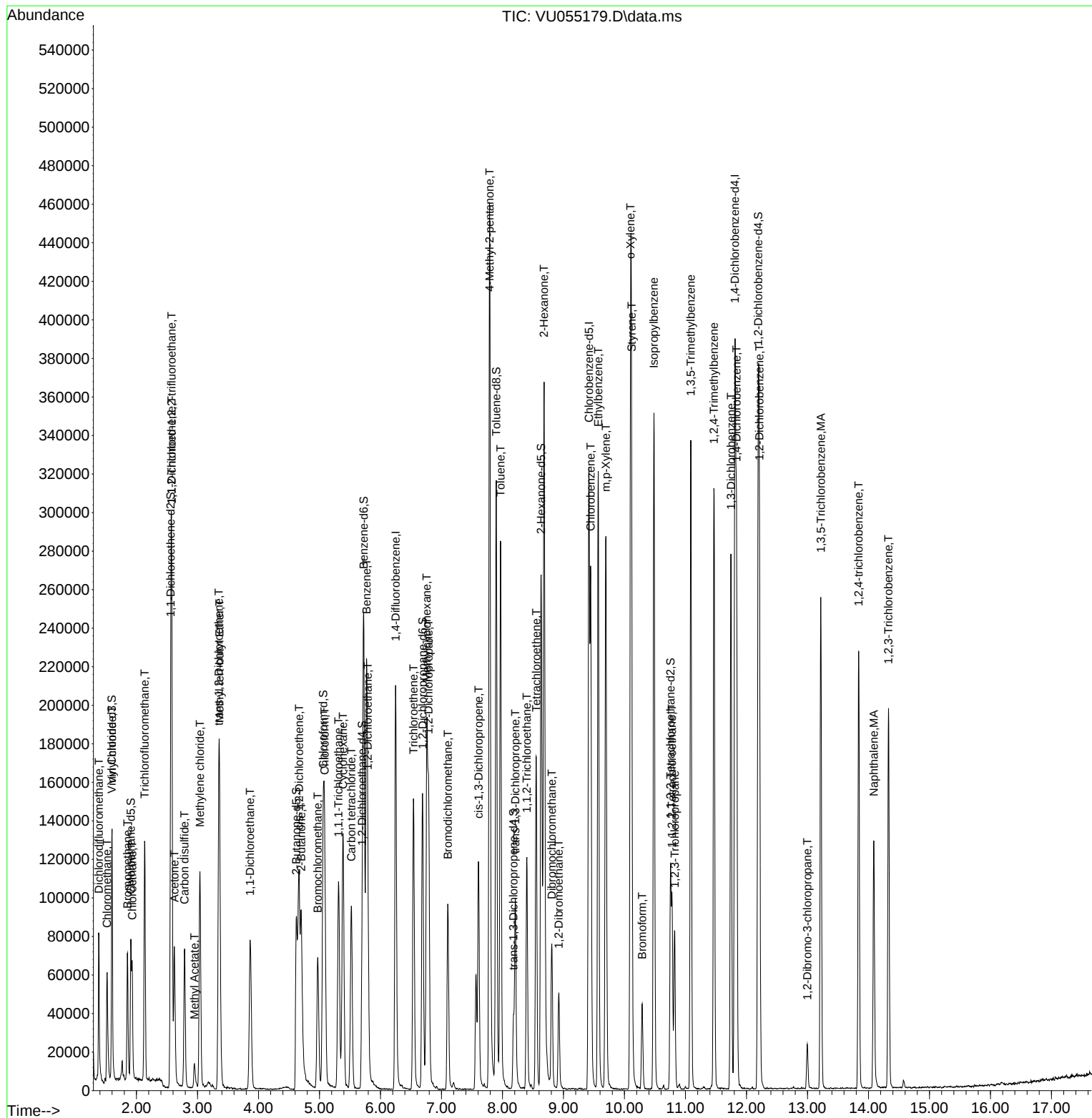
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	58556	5.474	ug/L	96
29) 1,1,1-Trichloroethane	5.313	97	76216	5.291	ug/L	98
30) Cyclohexane	5.386	56	63264	4.939	ug/L	98
31) Carbon tetrachloride	5.522	117	60996	5.092	ug/L	95
33) Benzene	5.772	78	190694	5.380	ug/L	100
34) Trichloroethene	6.541	95	51072	5.185	ug/L	96
35) Methylcyclohexane	6.759	83	69300	5.014	ug/L	98
37) 1,2-Dichloropropane	6.788	63	52150	5.404	ug/L #	96
38) Bromodichloromethane	7.103	83	62506	5.425	ug/L	100
39) cis-1,3-Dichloropropene	7.608	75	70783	5.393	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	311748	56.638	ug/L	98
42) Toluene	7.968	91	204868	5.422	ug/L	96
44) trans-1,3-Dichloropropene	8.210	75	55008	5.340	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	35517	5.465	ug/L	97
47) Tetrachloroethene	8.554	164	36066	5.298	ug/L	95
48) 2-Hexanone	8.682	43	233931	54.259	ug/L	99
49) Dibromochloromethane	8.808	129	37536	5.291	ug/L	89
50) 1,2-Dibromoethane	8.923	107	33795	5.710	ug/L	85
51) Chlorobenzene	9.447	112	130974	5.234	ug/L	99
52) Ethylbenzene	9.570	91	222451	5.262	ug/L	99
53) m,p-Xylene	9.695	106	82309	5.262	ug/L	97
54) o-Xylene	10.100	106	81781	5.313	ug/L	96
55) Styrene	10.116	104	134268	5.282	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	45911	5.671	ug/L	97
59) Bromoform	10.290	173	19142	5.131	ug/L	93
60) Isopropylbenzene	10.483	105	222919	5.120	ug/L	100
61) 1,2,3-Trichloropropane	10.824	75	33848	5.463	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	182505	5.039	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	173862	4.871	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	105798	5.062	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	105072	5.044	ug/L	98
67) 1,2-Dichlorobenzene	12.213	146	97142	4.957	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	6216	5.208	ug/L	95
69) 1,3,5-Trichlorobenzene	13.219	180	74555	4.720	ug/L	99
70) 1,2,4-trichlorobenzene	13.840	180	61686	4.165	ug/L	96
71) Naphthalene	14.087	128	105278	3.911	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	55575	4.323	ug/L	99

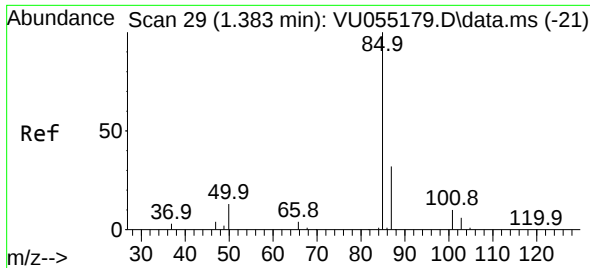
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

Quant Time: Sep 08 04:33:23 2023
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QLast Update : Wed Sep 06 05:03:37 2023
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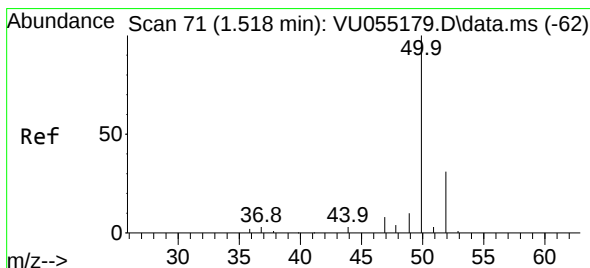
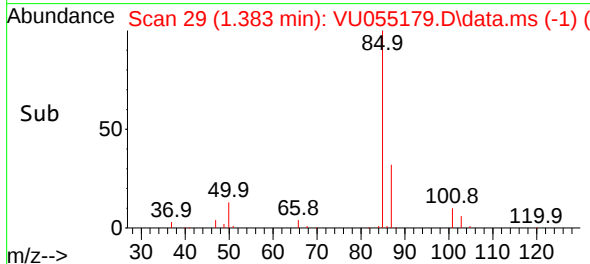
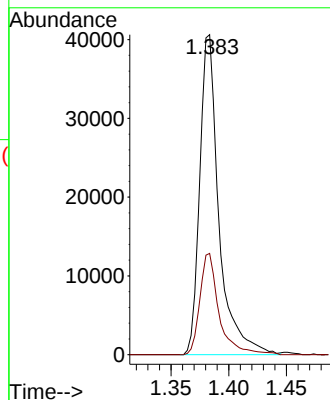
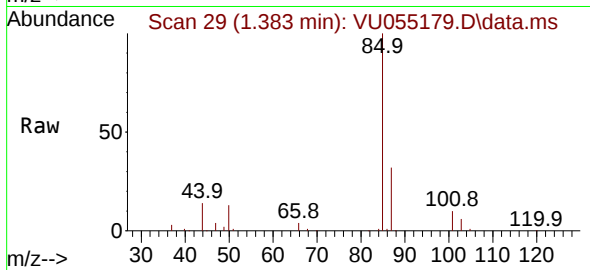




#2
 Dichlorodifluoromethane
 Concen: 4.874 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

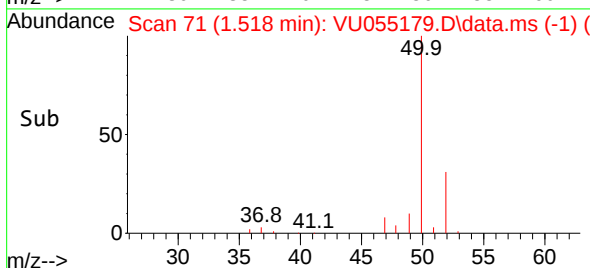
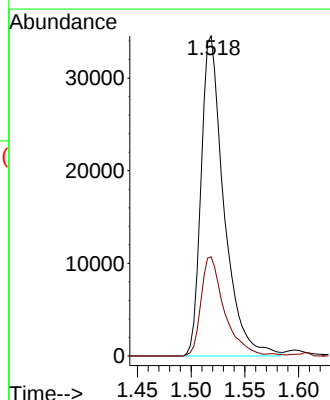
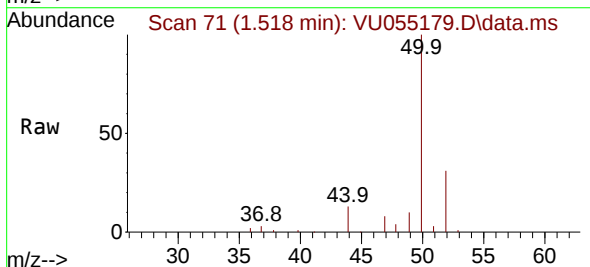
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005115

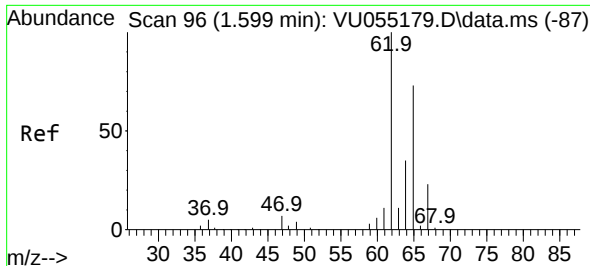
Tgt Ion: 85 Resp: 47012
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.1 37.7



#3
 Chloromethane
 Concen: 5.189 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

Tgt Ion: 50 Resp: 50958
 Ion Ratio Lower Upper
 50 100
 52 31.0 22.5 41.7

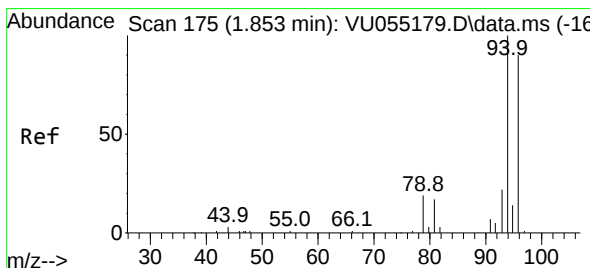
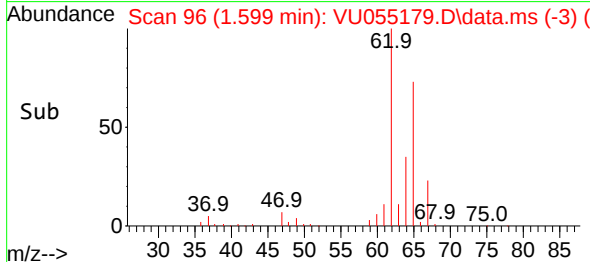
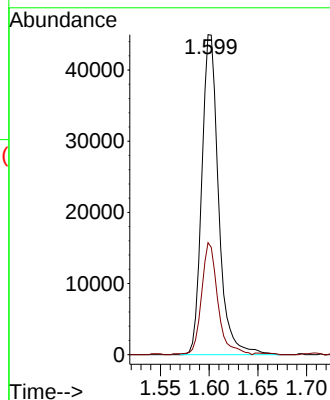
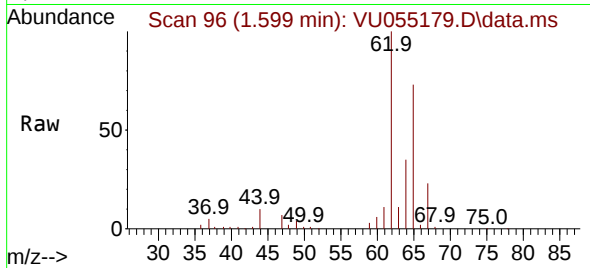




#5
 Vinyl chloride
 Concen: 5.192 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

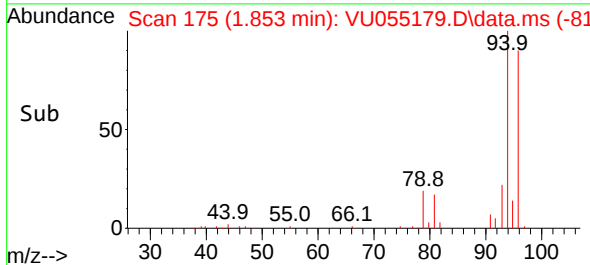
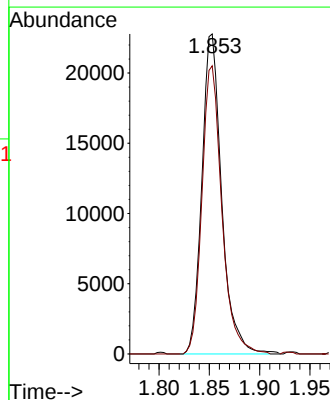
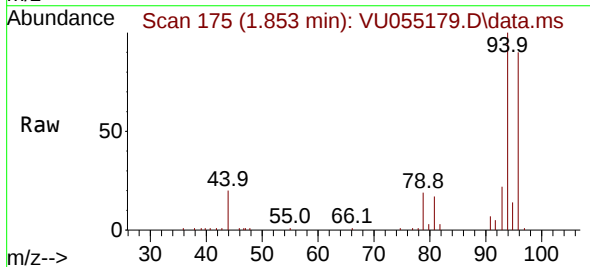
Instrument :
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 ClientSampleId :
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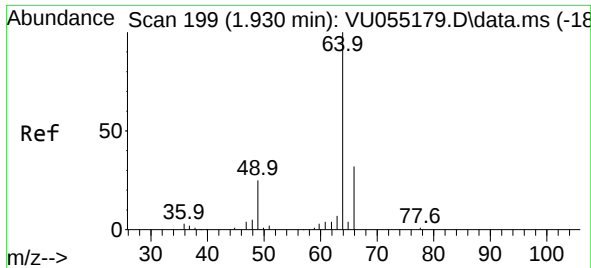
Tgt Ion: 62 Resp: 53786
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.2 45.0



#6
 Bromomethane
 Concen: 4.998 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.003 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

Tgt Ion: 94 Resp: 31231
 Ion Ratio Lower Upper
 94 100
 96 90.0 63.8 118.4

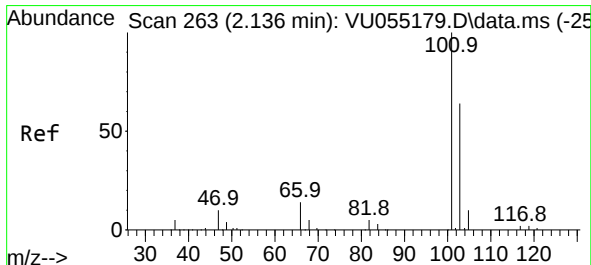
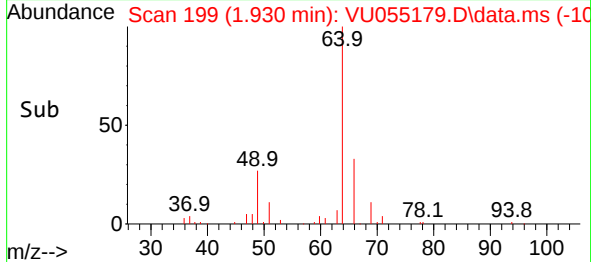
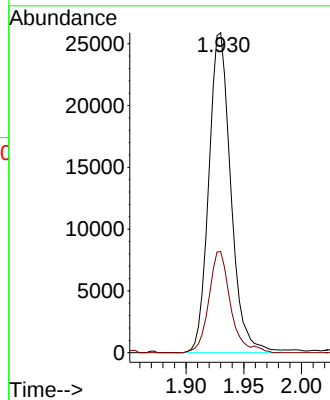
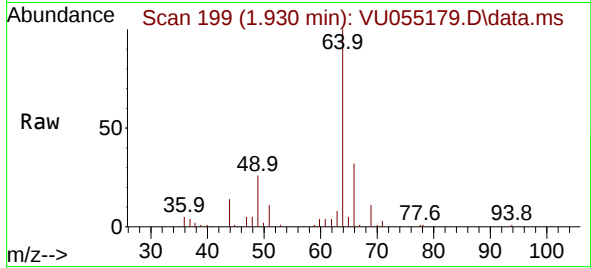




#8
Chloroethane
Concen: 5.094 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.003 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

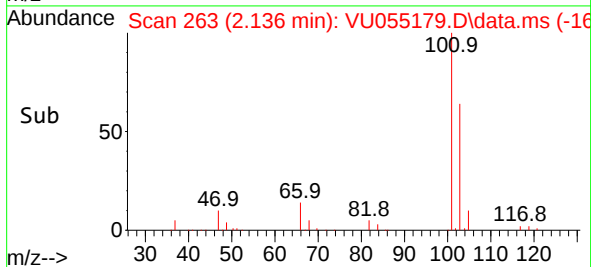
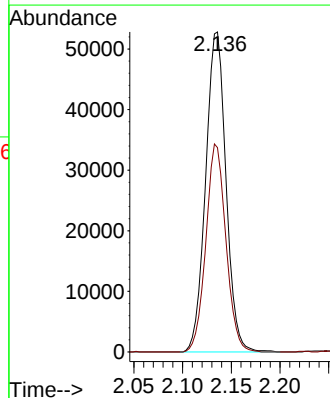
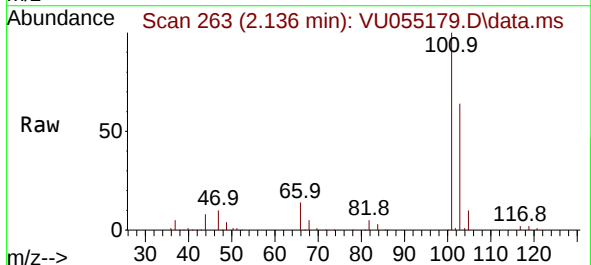
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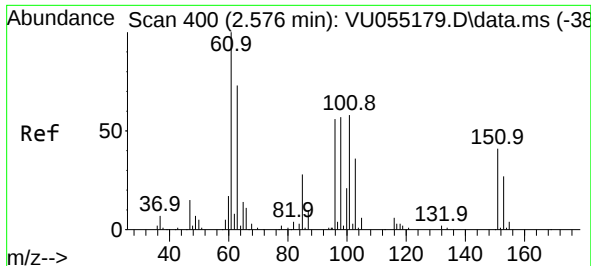
Tgt Ion: 64 Resp: 34365
Ion Ratio Lower Upper
64 100
66 31.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.103 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion:101 Resp: 76884
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9

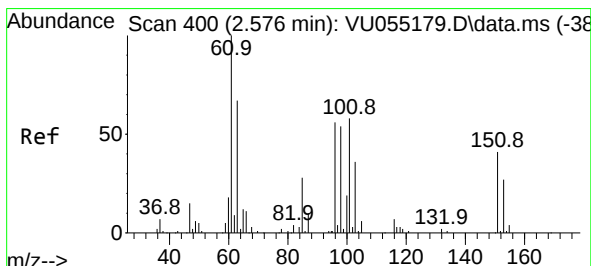
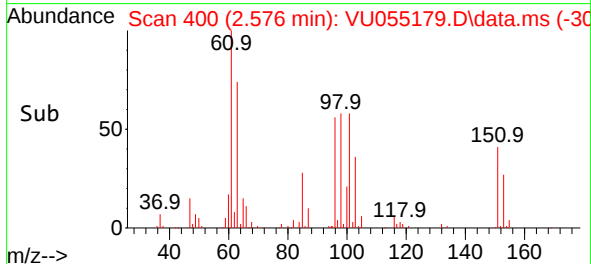
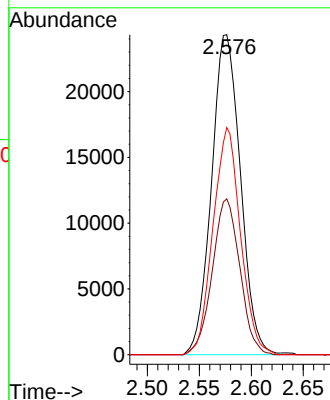
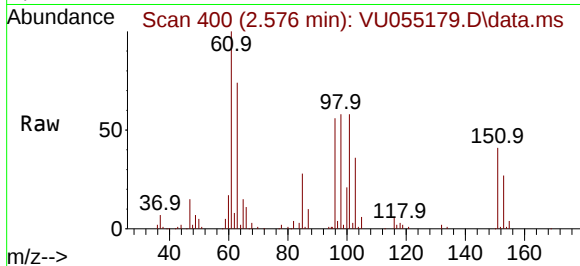




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.373 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

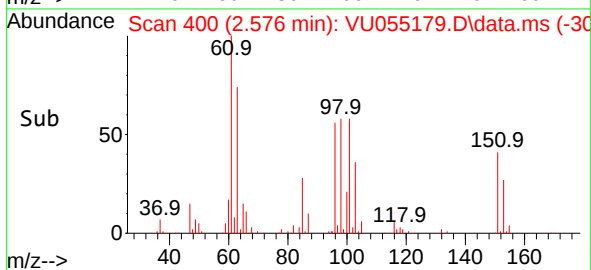
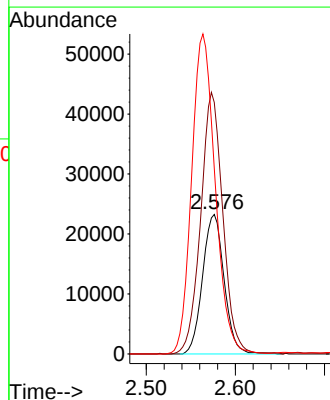
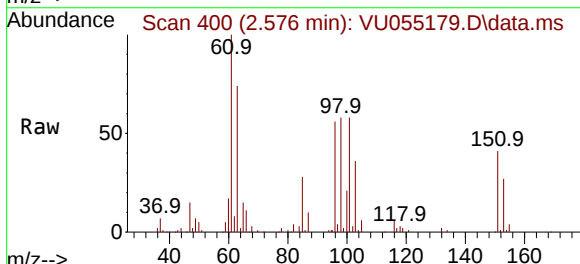
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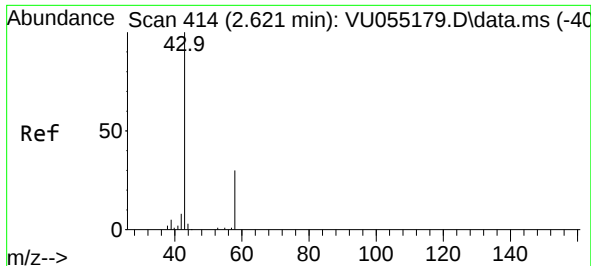
Tgt Ion:101 Resp: 47100
 Ion Ratio Lower Upper
 101 100
 85 46.4 37.3 55.9
 151 67.5 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 5.090 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

Tgt Ion: 96 Resp: 39061
 Ion Ratio Lower Upper
 96 100
 61 180.2 120.8 224.4
 63 133.0 94.5 175.5





#13

Acetone

Concen: 51.860 ug/L

RT: 2.621 min Scan# 414

Delta R.T. -0.009 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

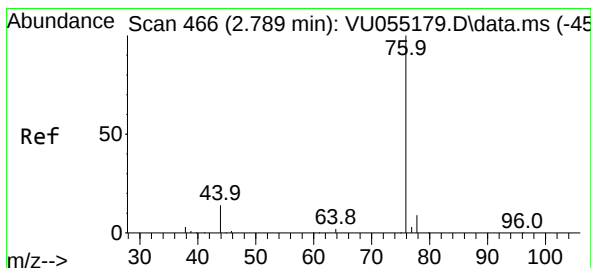
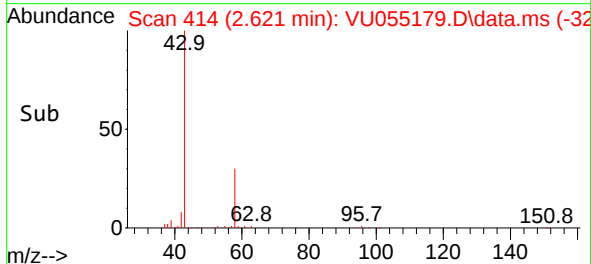
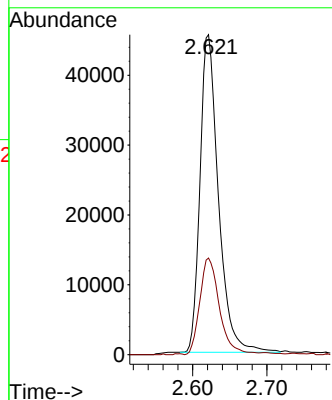
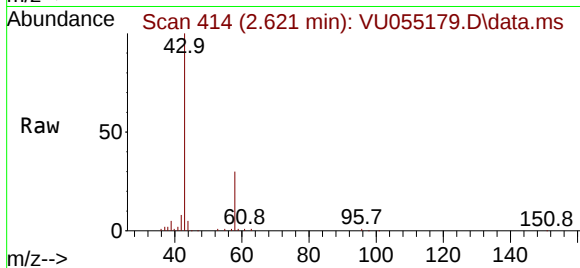
VSTD005115

Tgt Ion: 43 Resp: 78475

Ion Ratio Lower Upper

43 100

58 32.4 0.0 67.8



#14

Carbon disulfide

Concen: 4.904 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU055179.D

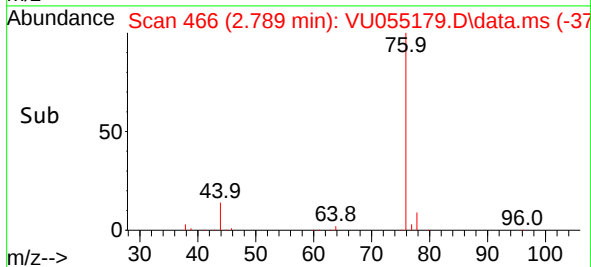
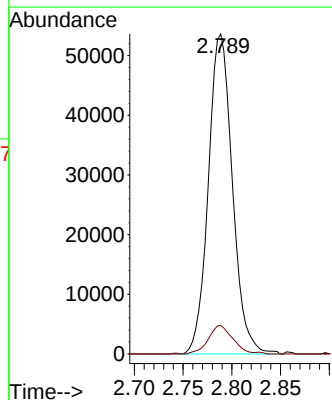
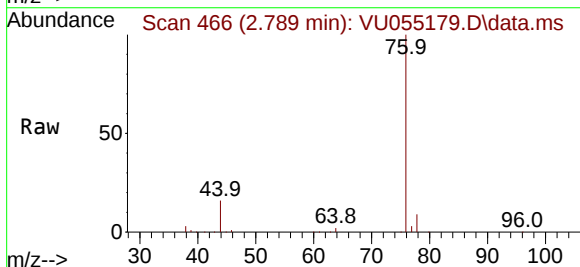
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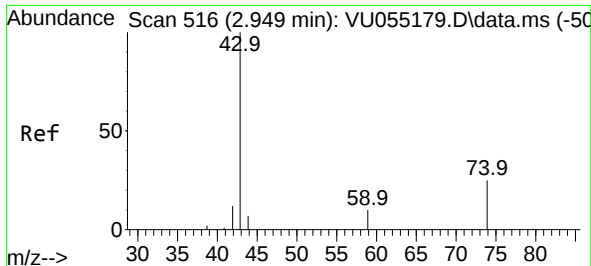
Tgt Ion: 76 Resp: 92175

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2

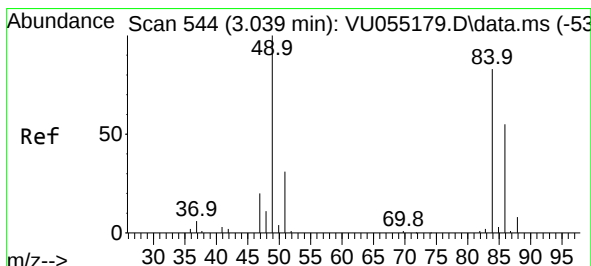
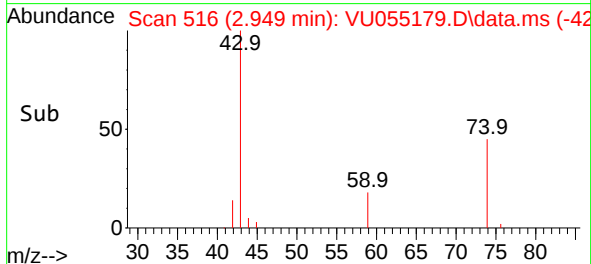
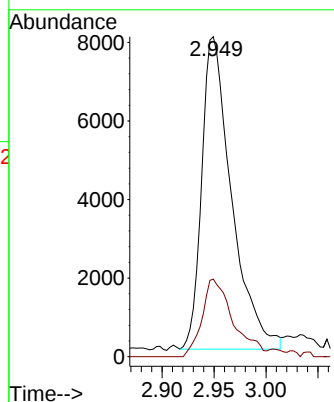
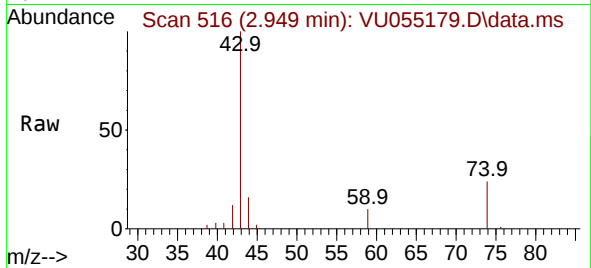




#15
Methyl Acetate
Concen: 5.131 ug/L
RT: 2.949 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

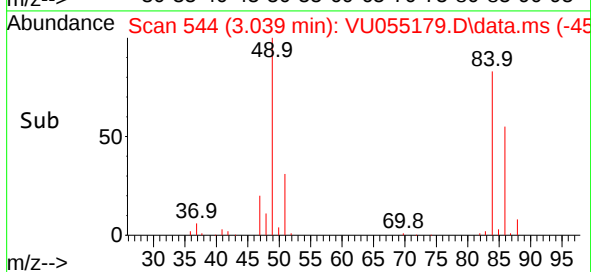
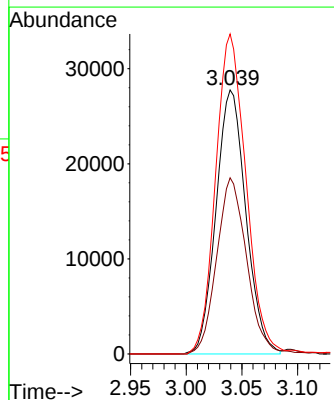
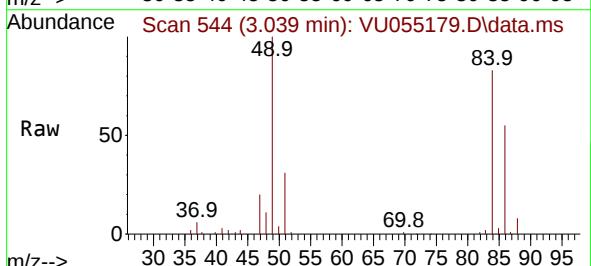
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

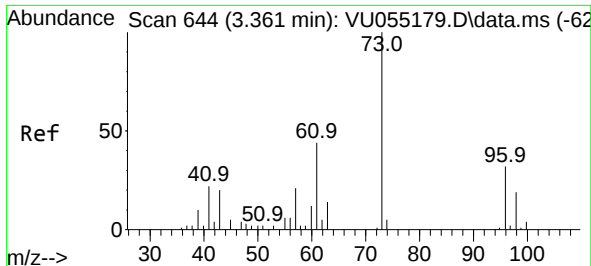
Tgt Ion: 43 Resp: 15891
Ion Ratio Lower Upper
43 100
74 25.8 18.4 27.6



#16
Methylene chloride
Concen: 4.417 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 84 Resp: 51801
Ion Ratio Lower Upper
84 100
86 66.8 43.4 80.6
49 121.2 87.7 162.9

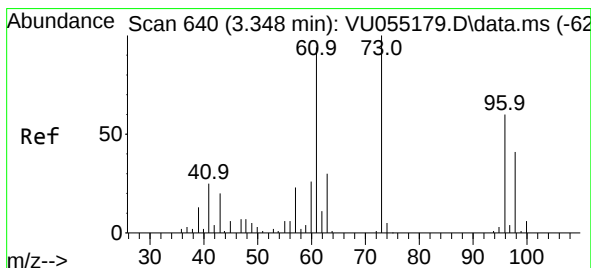
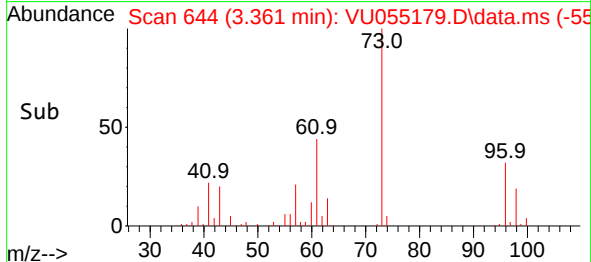
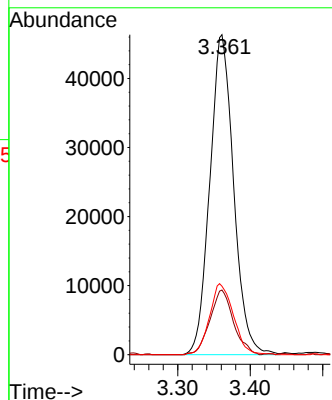
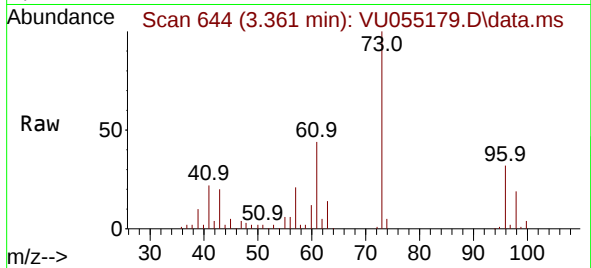




#17
Methyl tert-butyl Ether
Concen: 5.248 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

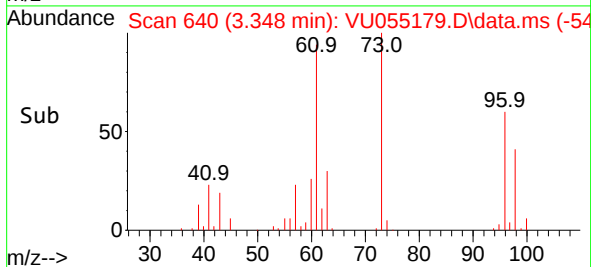
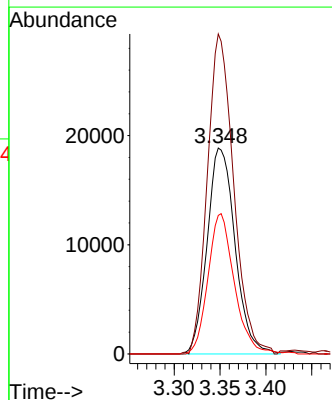
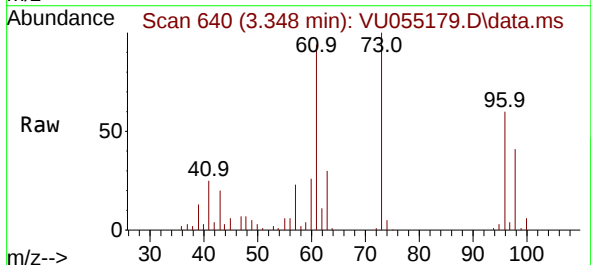
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

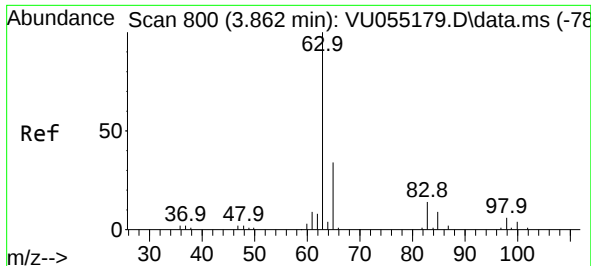
Tgt Ion: 73 Resp: 105638
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.2
57 22.3 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.128 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 96 Resp: 39932
Ion Ratio Lower Upper
96 100
61 155.5 108.1 200.9
98 67.3 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.293 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.003 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

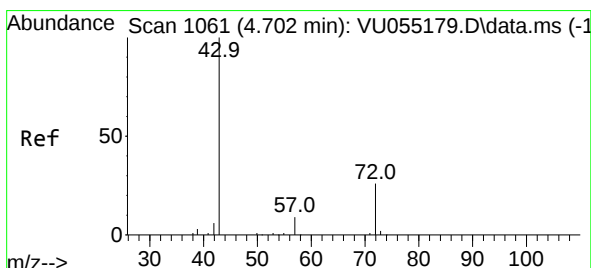
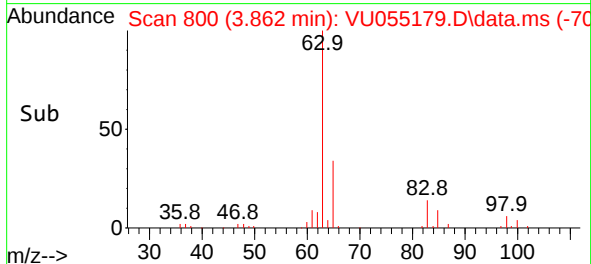
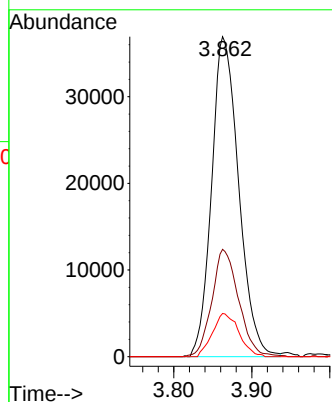
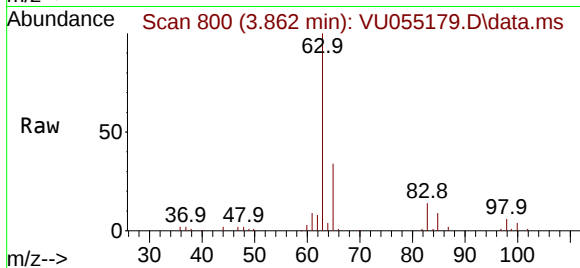
Tgt Ion: 63 Resp: 89073

Ion Ratio Lower Upper

63 100

65 33.5 22.2 41.2

83 13.5 10.6 19.8



#21

2-Butanone

Concen: 54.426 ug/L

RT: 4.702 min Scan# 1061

Delta R.T. -0.003 min

Lab File: VU055179.D

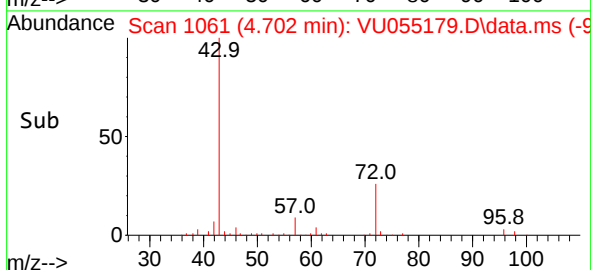
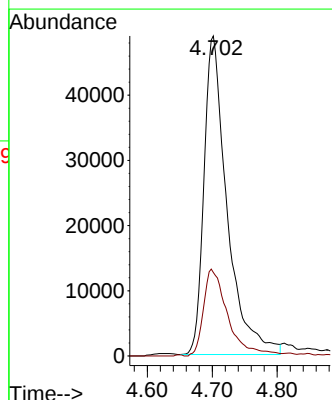
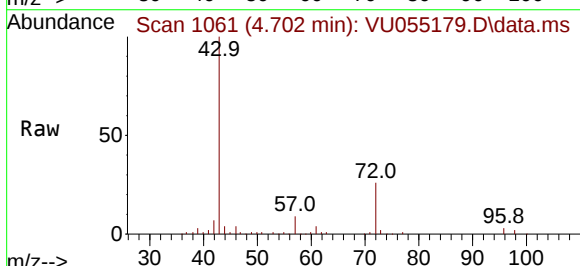
Acq: 07 Sep 2023 10:48

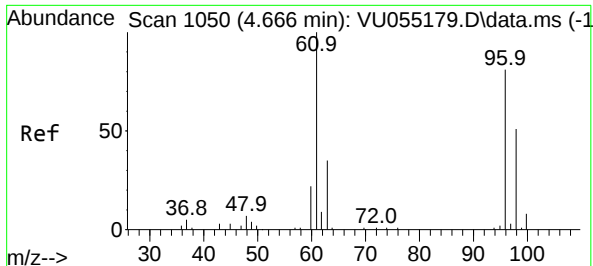
Tgt Ion: 43 Resp: 121004

Ion Ratio Lower Upper

43 100

72 28.7 13.5 40.5

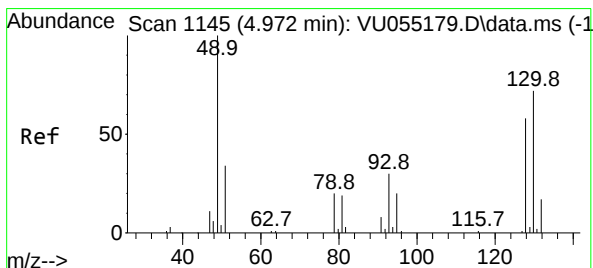
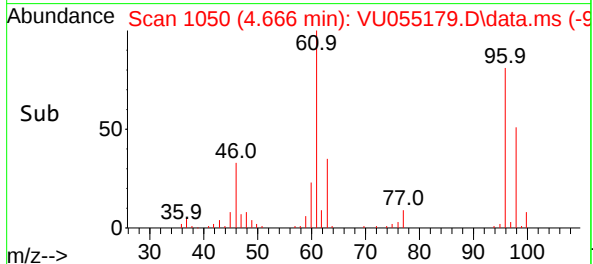
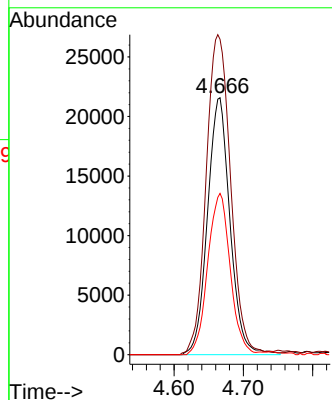
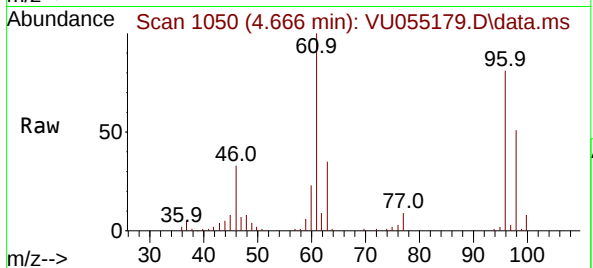




#22
 cis-1,2-Dichloroethene
 Concen: 5.100 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

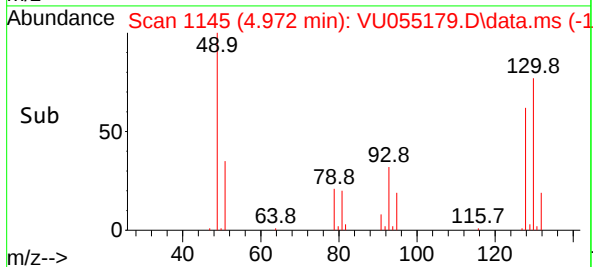
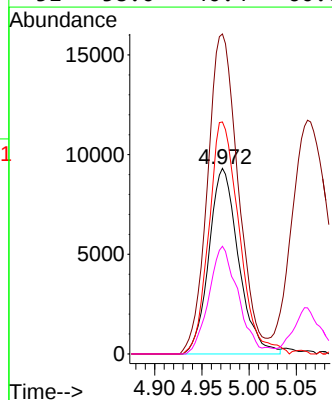
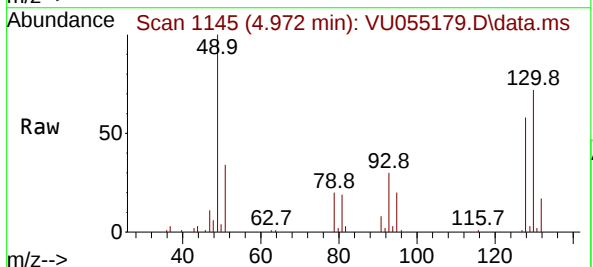
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005115

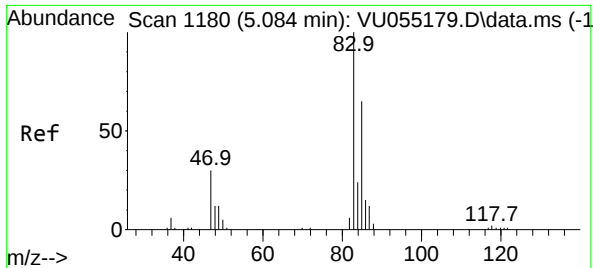
Tgt Ion: 96 Resp: 48608
 Ion Ratio Lower Upper
 96 100
 61 122.7 97.2 180.4
 98 62.8 46.1 85.7



#23
 Bromochloromethane
 Concen: 5.167 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU055179.D
 Acq: 07 Sep 2023 10:48

Tgt Ion: 128 Resp: 20253
 Ion Ratio Lower Upper
 128 100
 49 179.5 118.9 220.9
 130 125.0 88.0 163.4
 51 58.0 40.4 60.6

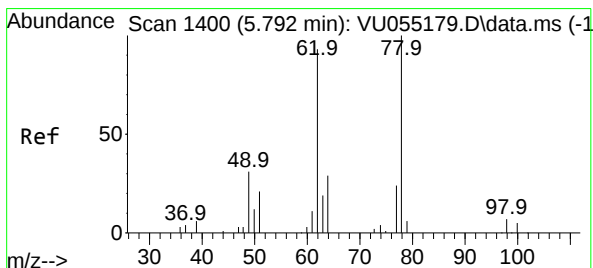
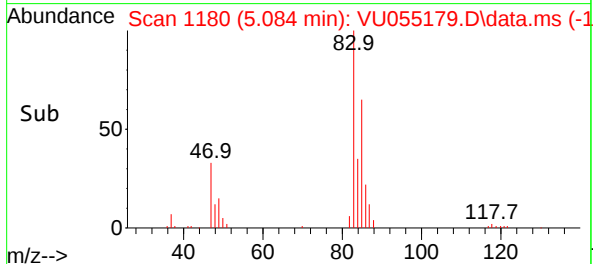
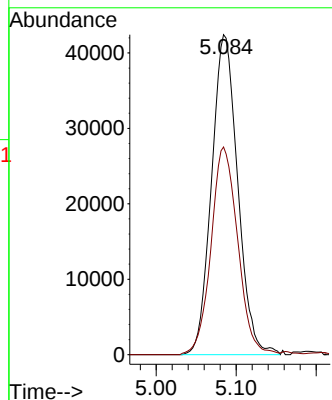
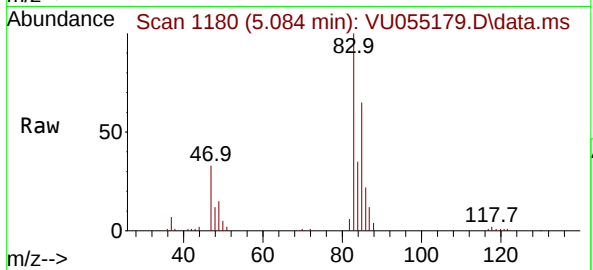




#25
Chloroform
Concen: 5.494 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

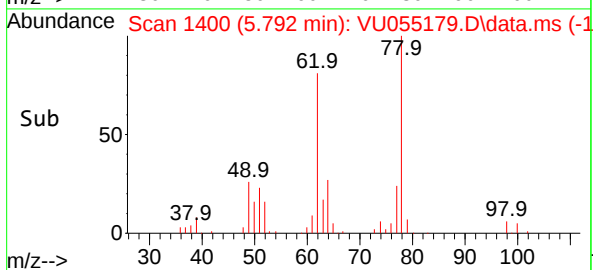
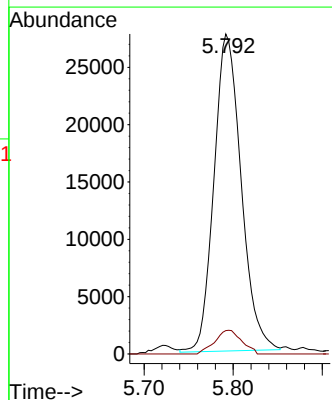
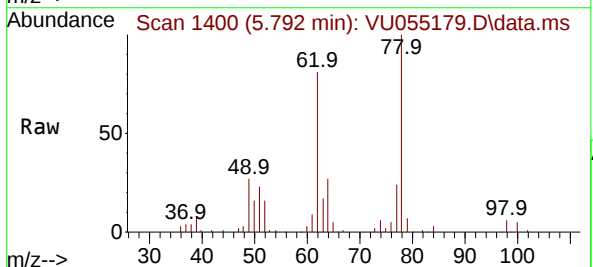
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

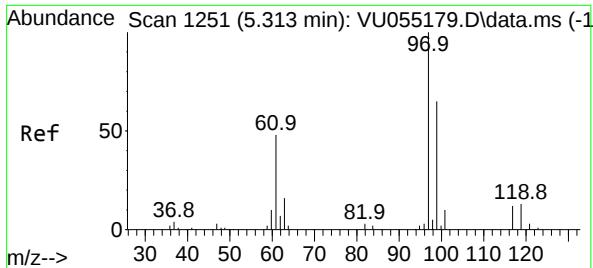
Tgt Ion: 83 Resp: 96290
Ion Ratio Lower Upper
83 100
85 64.9 47.2 87.6



#27
1,2-Dichloroethane
Concen: 5.474 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. -0.003 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 62 Resp: 58556
Ion Ratio Lower Upper
62 100
98 7.3 6.9 10.3

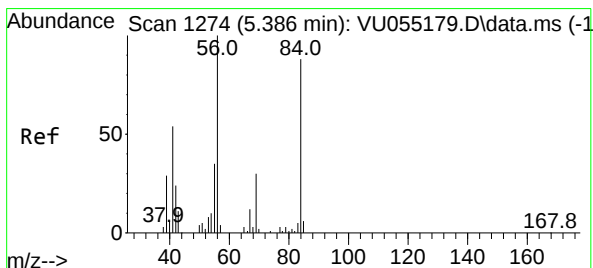
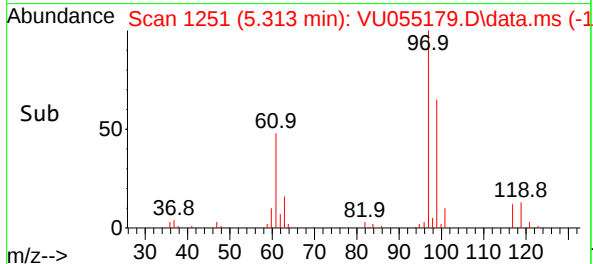
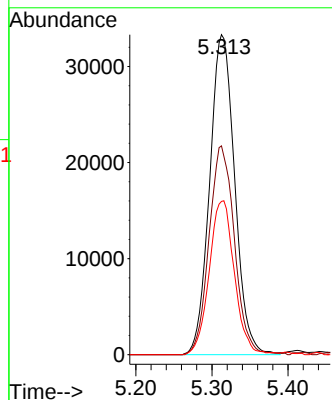
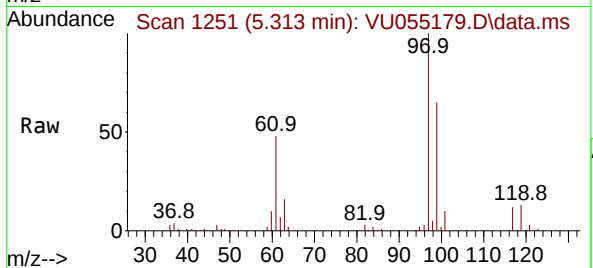




#29
1,1,1-Trichloroethane
Concen: 5.291 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

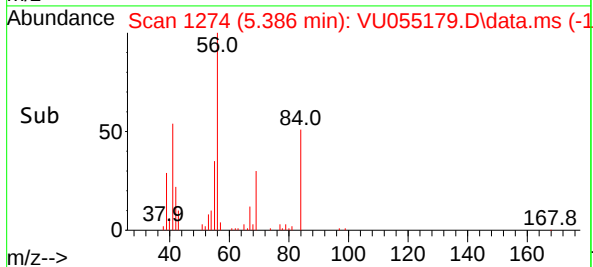
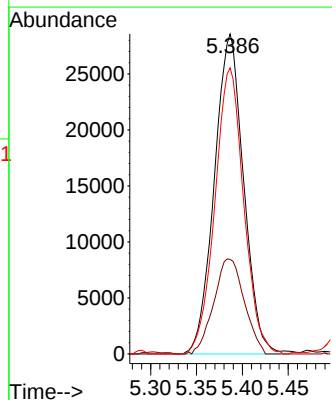
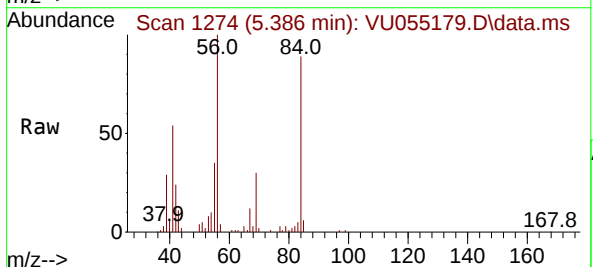
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

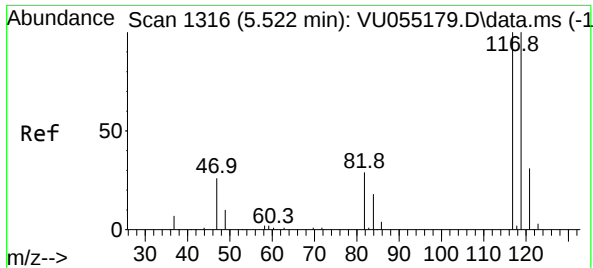
Tgt Ion:	97	Resp:	76216
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.8
61	48.2	36.8	55.2



#30
Cyclohexane
Concen: 4.939 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion:	56	Resp:	63264
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.6	37.0
84	88.0	68.8	103.2

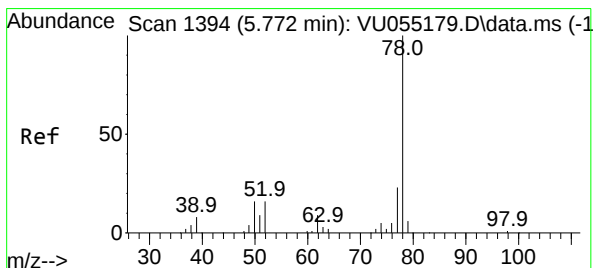
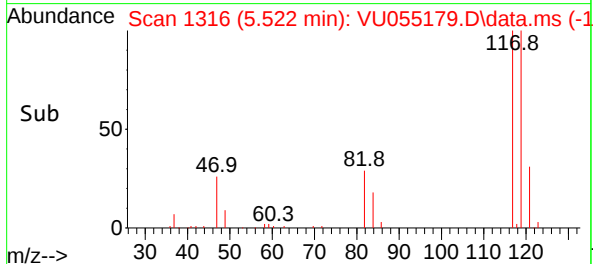
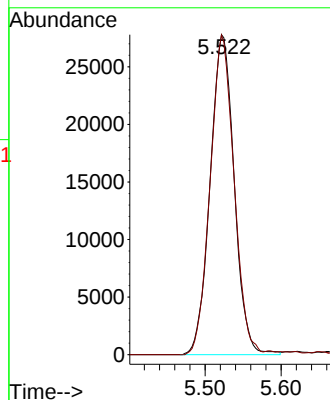
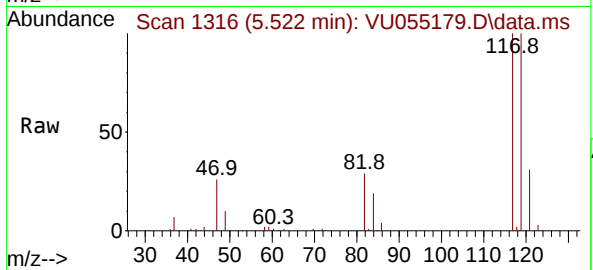




#31
Carbon tetrachloride
Concen: 5.092 ug/L
RT: 5.522 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

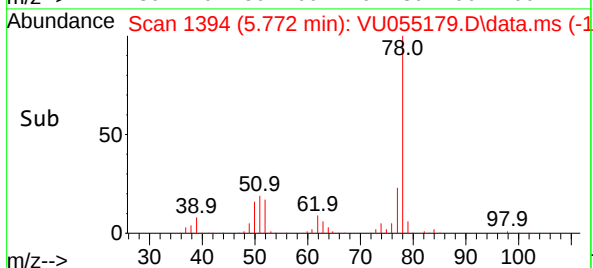
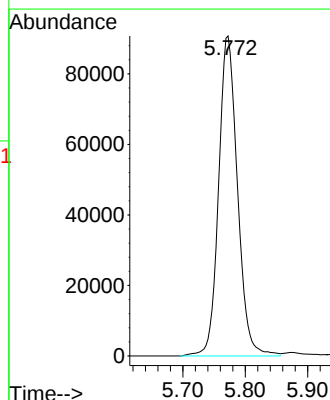
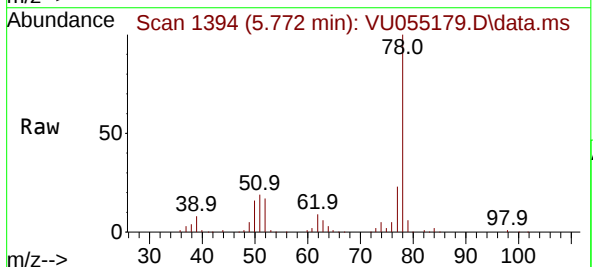
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

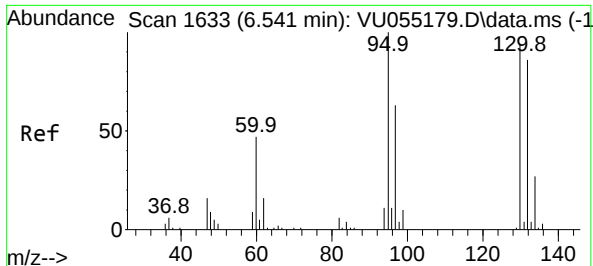
Tgt Ion:117 Resp: 60996
Ion Ratio Lower Upper
117 100
119 98.9 75.4 113.0



#33
Benzene
Concen: 5.380 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 78 Resp: 190694

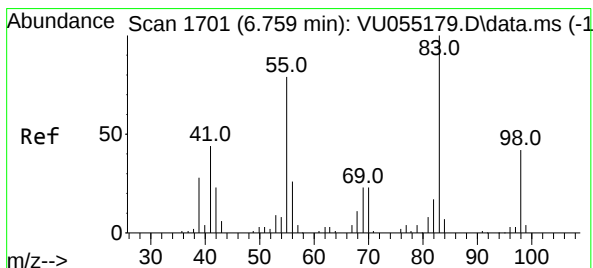
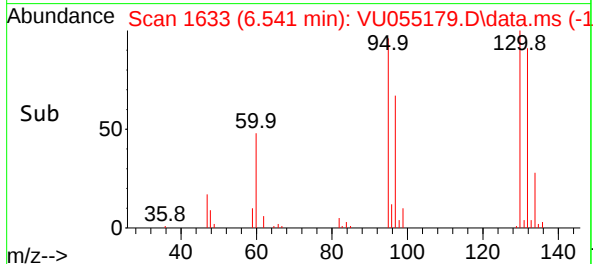
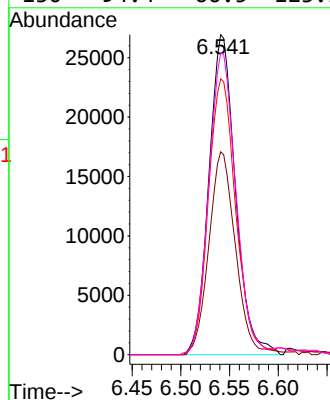
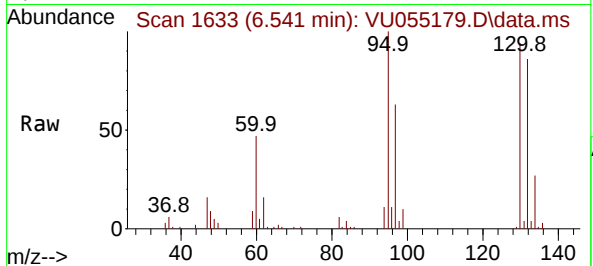




#34
Trichloroethene
Concen: 5.185 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

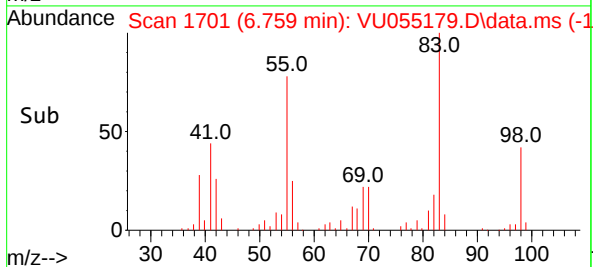
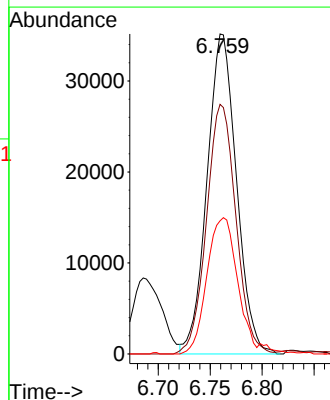
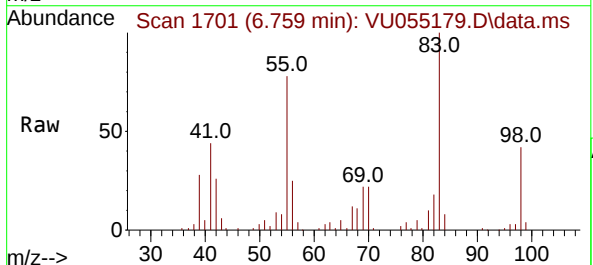
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

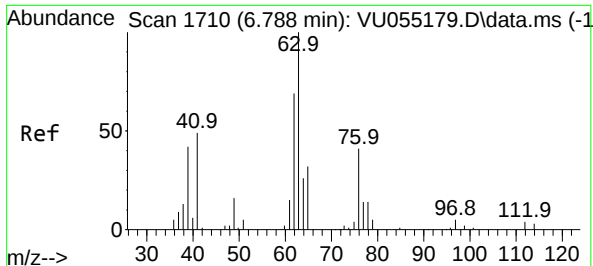
Tgt Ion: 95 Resp: 51072
Ion Ratio Lower Upper
95 100
97 63.4 44.7 83.1
132 86.2 66.6 123.6
130 94.4 66.5 123.5



#35
Methylcyclohexane
Concen: 5.014 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 83 Resp: 69300
Ion Ratio Lower Upper
83 100
55 77.9 60.4 90.6
98 43.8 35.3 52.9

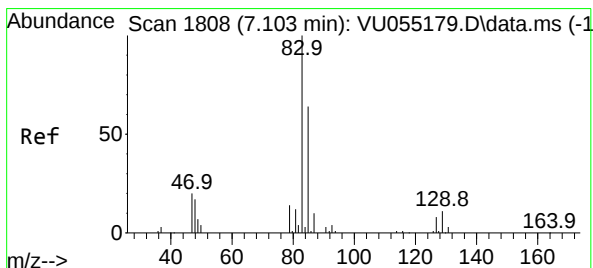
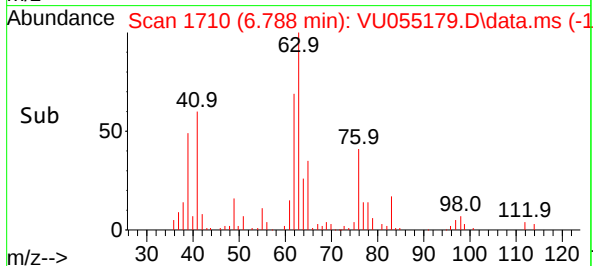
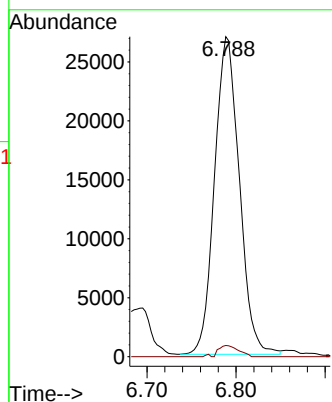
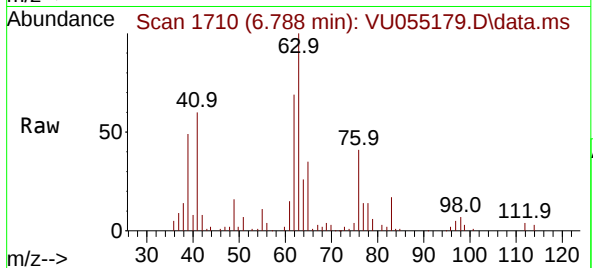




#37
1,2-Dichloropropane
Concen: 5.404 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

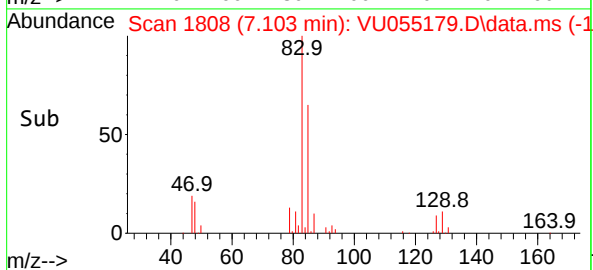
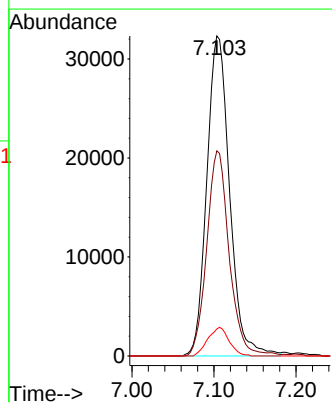
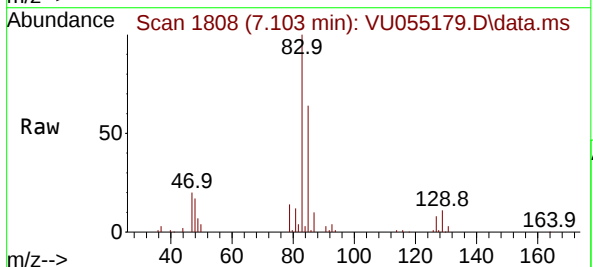
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

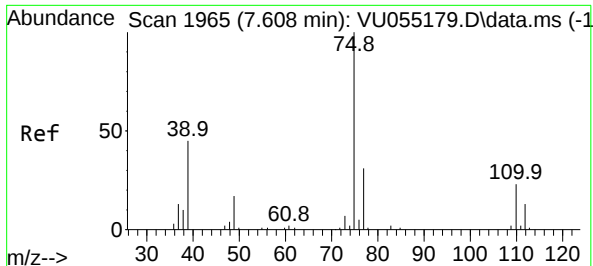
Tgt Ion: 63 Resp: 52150
Ion Ratio Lower Upper
63 100
112 2.8 3.2 4.8#



#38
Bromodichloromethane
Concen: 5.425 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 83 Resp: 62506
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.5
127 9.2 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 5.393 ug/L

RT: 7.608 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

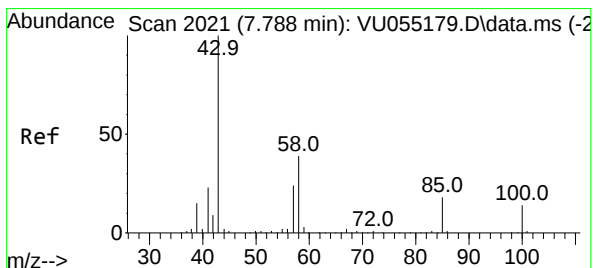
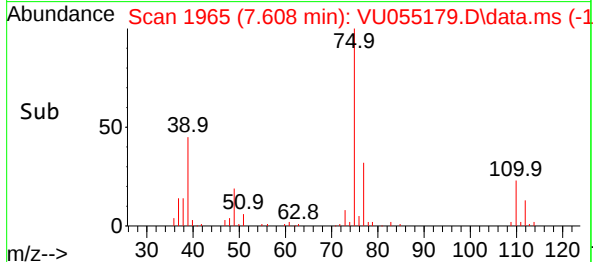
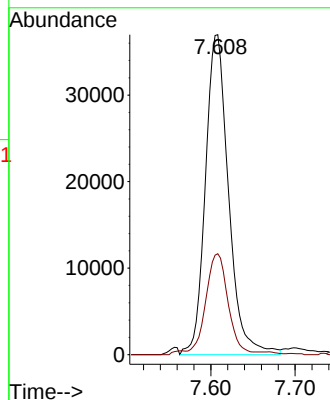
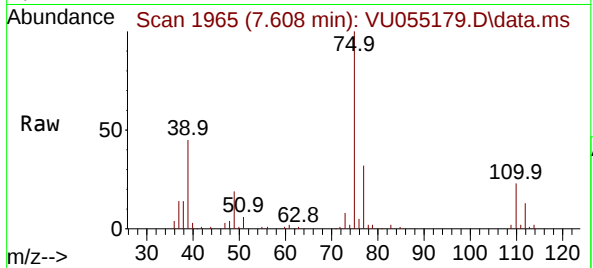
VSTD005115

Tgt Ion: 75 Resp: 70783

Ion Ratio Lower Upper

75 100

77 31.5 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 56.638 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.003 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

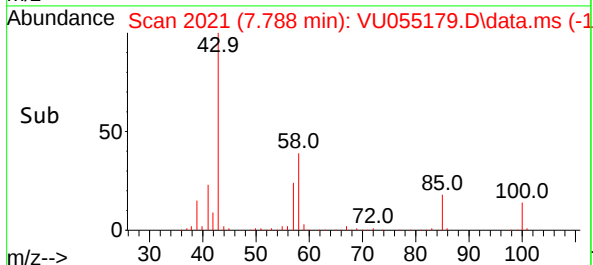
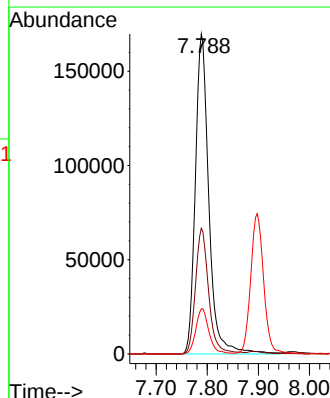
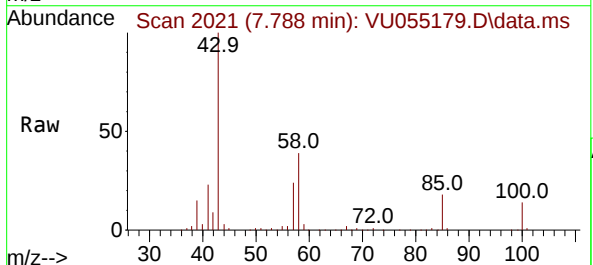
Tgt Ion: 43 Resp: 311748

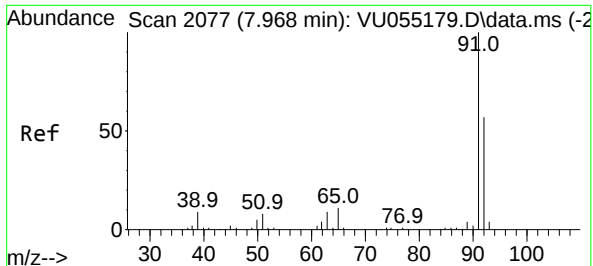
Ion Ratio Lower Upper

43 100

58 38.4 31.5 47.3

100 13.7 11.8 17.8





#42

Toluene

Concen: 5.422 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

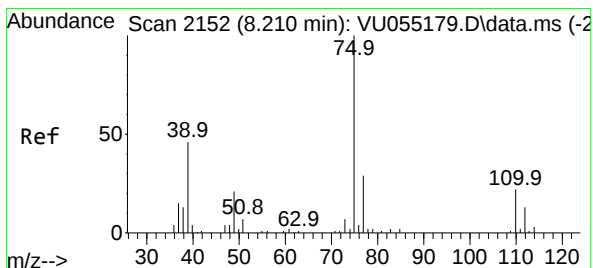
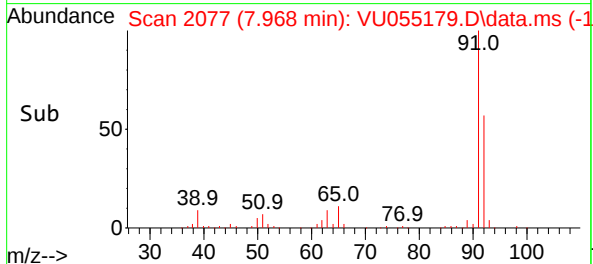
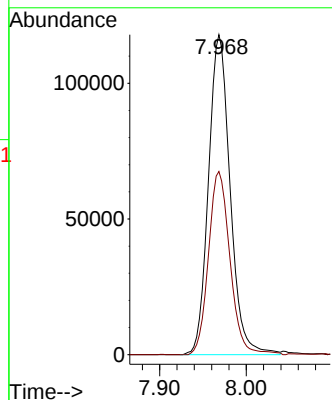
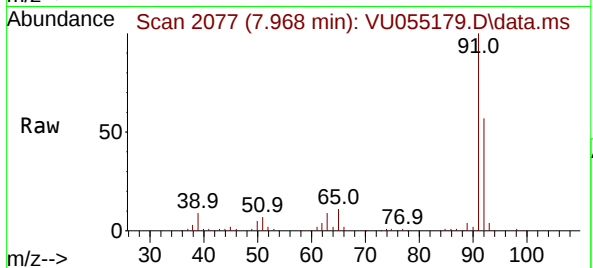
VSTD005115

Tgt Ion: 91 Resp: 204868

Ion Ratio Lower Upper

91 100

92 57.2 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 5.340 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055179.D

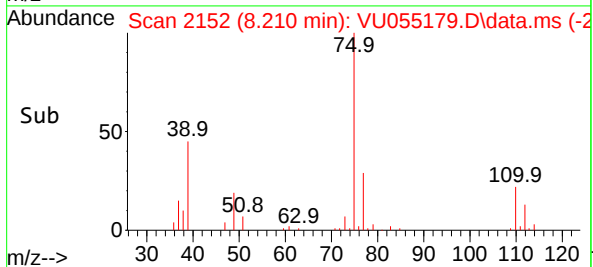
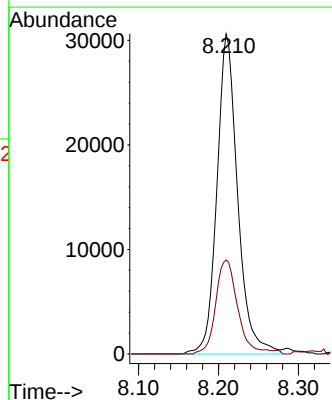
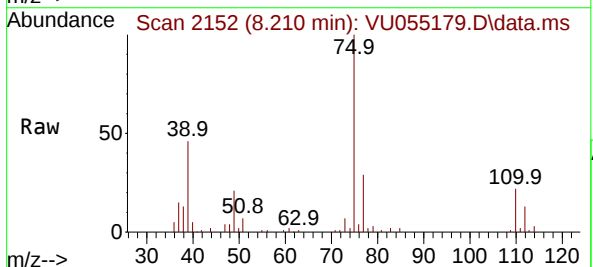
Acq: 07 Sep 2023 10:48

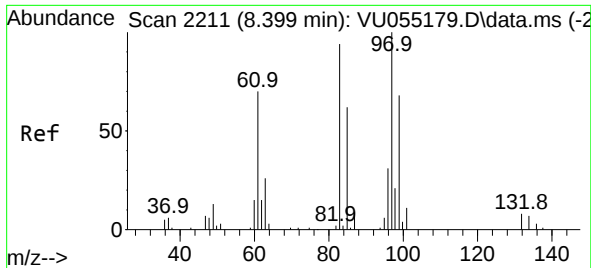
Tgt Ion: 75 Resp: 55008

Ion Ratio Lower Upper

75 100

77 29.4 20.5 38.1

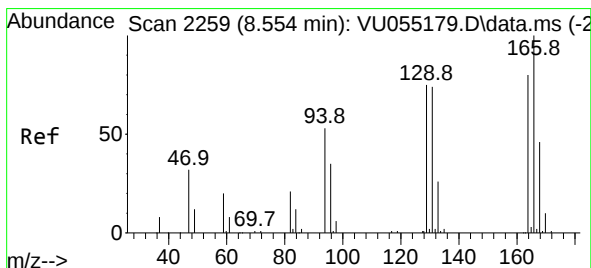
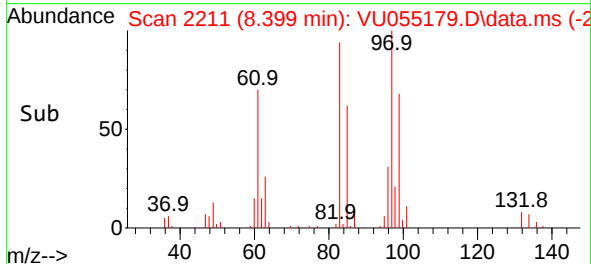
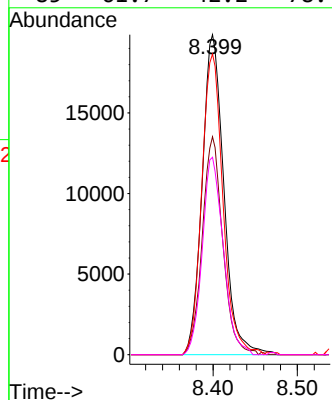
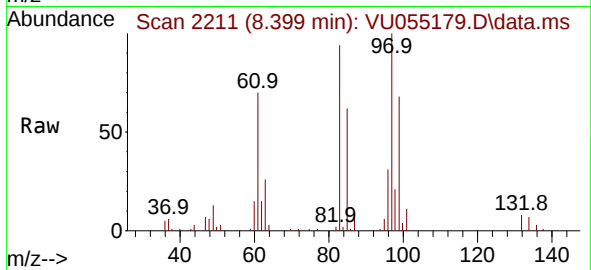




#45
1,1,2-Trichloroethane
Concen: 5.465 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

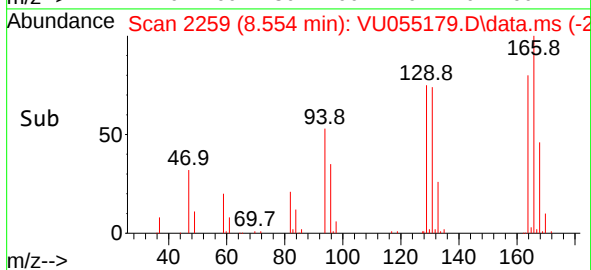
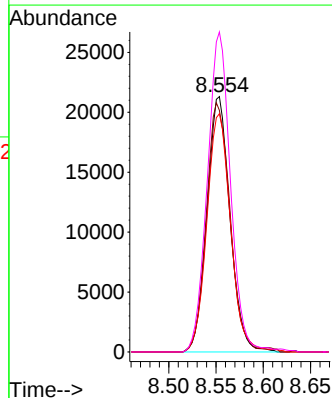
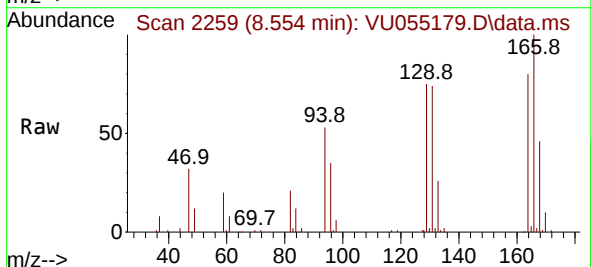
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

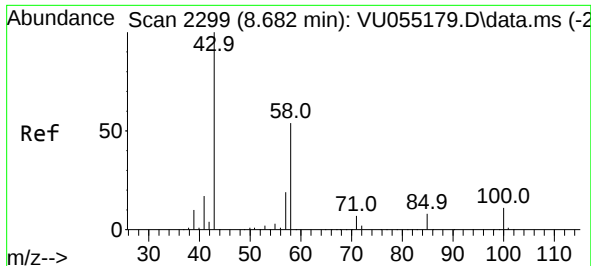
Tgt Ion:	97	Resp:	35517
Ion	Ratio	Lower	Upper
97	100		
99	68.1	44.9	83.5
83	94.0	66.9	124.3
85	61.7	42.2	78.4



#47
Tetrachloroethene
Concen: 5.298 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion:	164	Resp:	36066
Ion	Ratio	Lower	Upper
164	100		
129	94.6	69.2	128.6
131	93.3	68.8	127.8
166	125.3	92.3	171.5



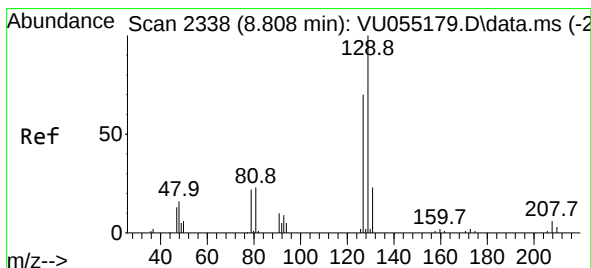
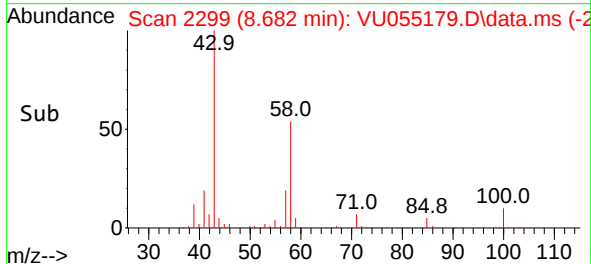
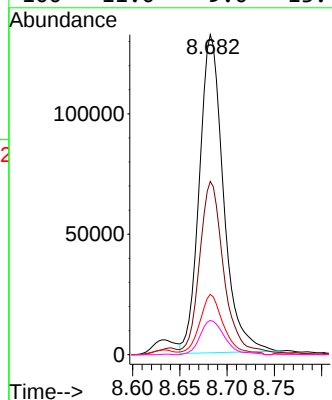
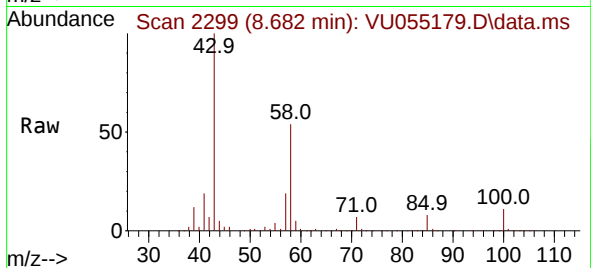


#48
2-Hexanone
Concen: 54.259 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

Tgt Ion: 43 Resp: 233931

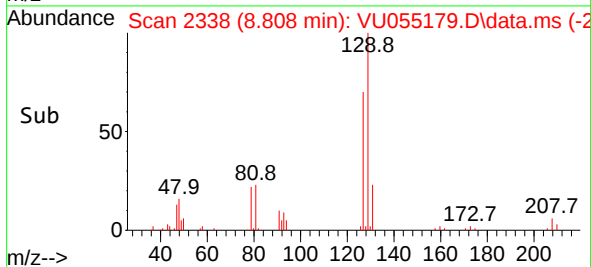
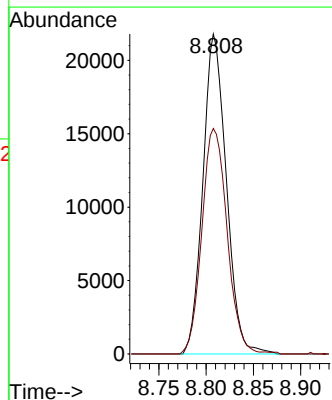
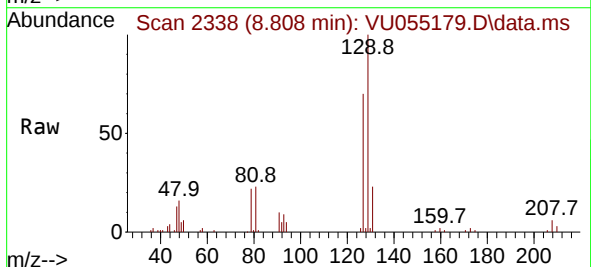
Ion	Ratio	Lower	Upper
43	100		
58	54.1	44.0	66.0
57	19.1	16.2	24.2
100	11.0	9.0	13.4

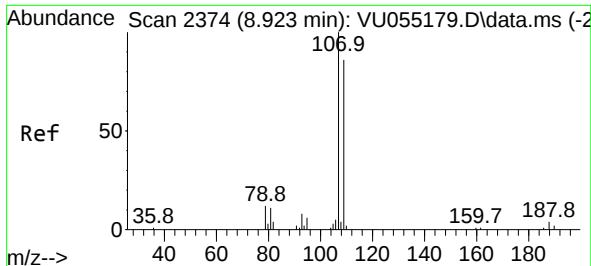


#49
Dibromochloromethane
Concen: 5.291 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 129 Resp: 37536

Ion	Ratio	Lower	Upper
129	100		
127	70.5	55.9	103.7





#50

1,2-Dibromoethane

Concen: 5.710 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

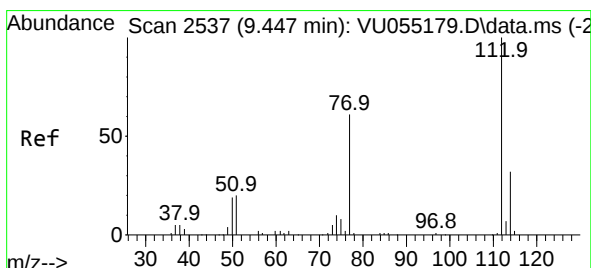
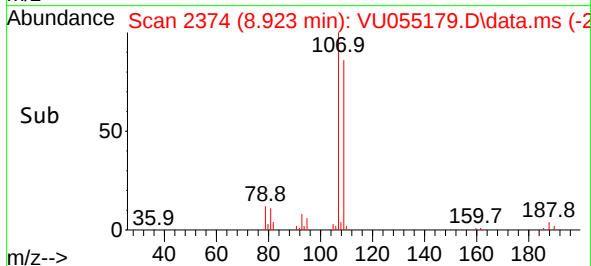
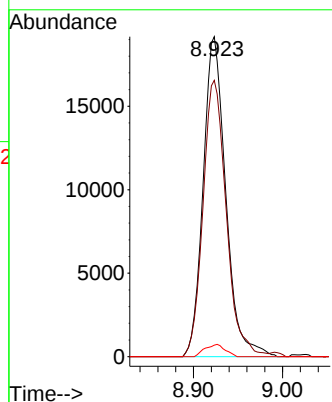
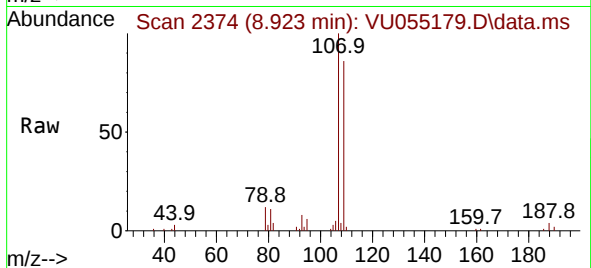
Tgt Ion:107 Resp: 33795

Ion Ratio Lower Upper

107 100

109 86.4 71.4 132.6

188 3.6 3.1 4.7



#51

Chlorobenzene

Concen: 5.234 ug/L

RT: 9.447 min Scan# 2537

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

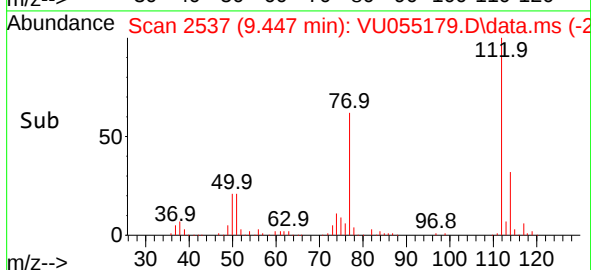
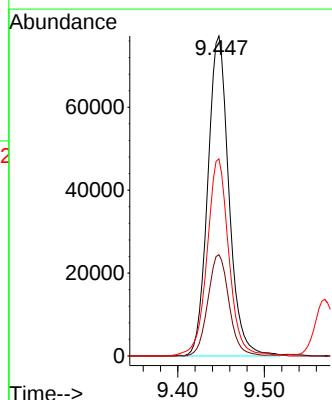
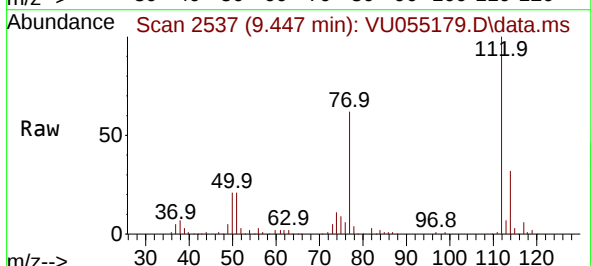
Tgt Ion:112 Resp: 130974

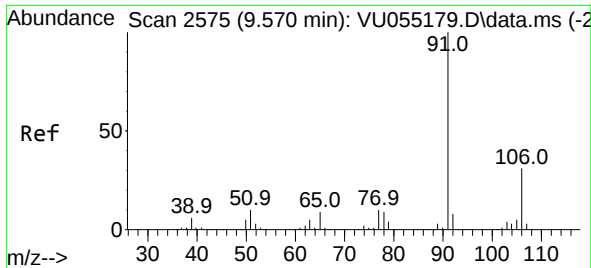
Ion Ratio Lower Upper

112 100

114 31.7 21.7 40.3

77 61.6 48.6 72.8

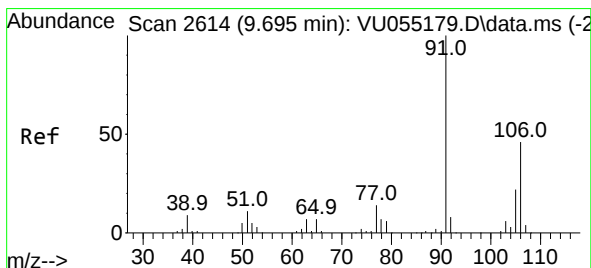
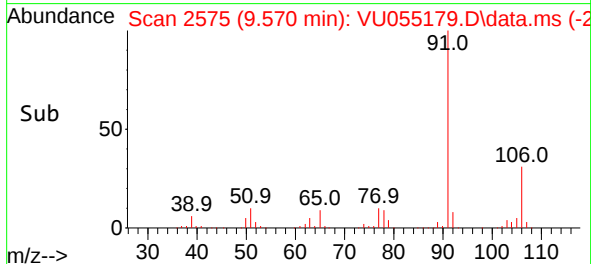
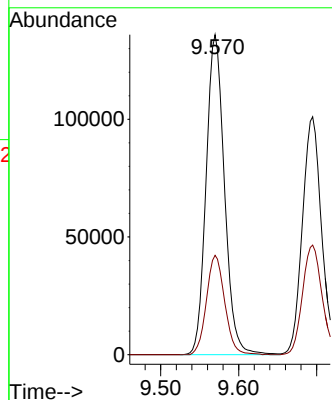
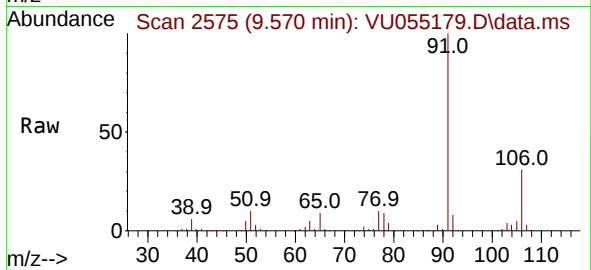




#52
Ethylbenzene
Concen: 5.262 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

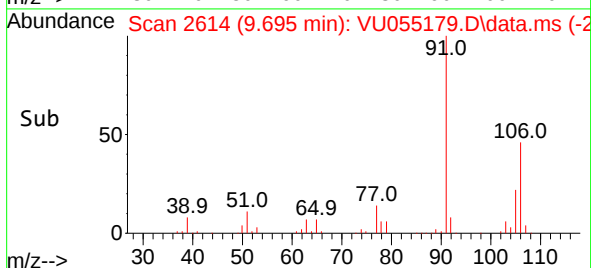
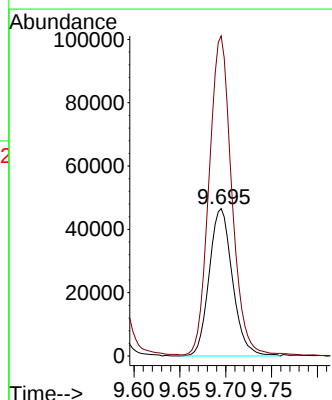
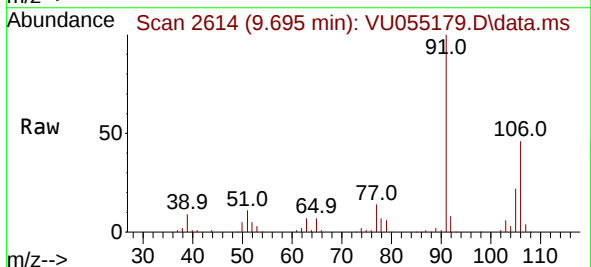
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

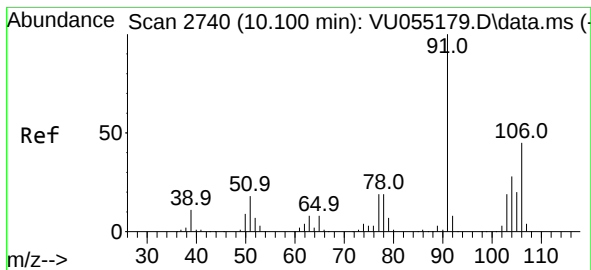
Tgt Ion: 91 Resp: 222451
Ion Ratio Lower Upper
91 100
106 31.1 21.5 39.9



#53
m,p-Xylene
Concen: 5.262 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion: 106 Resp: 82309
Ion Ratio Lower Upper
106 100
91 217.2 148.3 275.5





#54

o-Xylene

Concen: 5.313 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

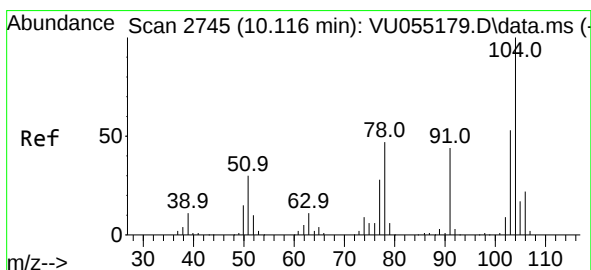
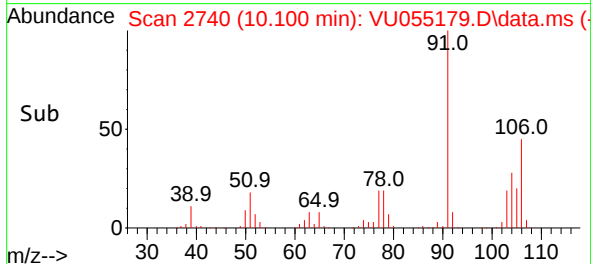
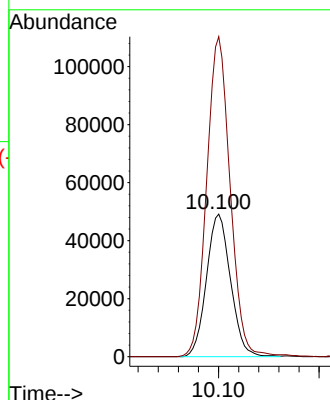
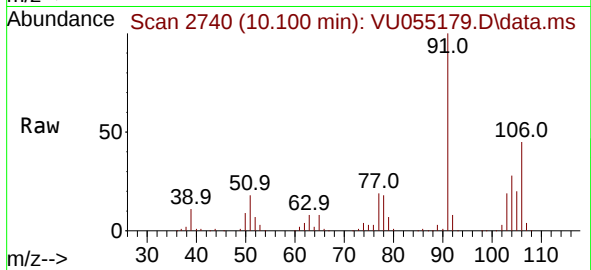
VSTD005115

Tgt Ion:106 Resp: 81781

Ion Ratio Lower Upper

106 100

91 224.4 152.9 284.1



#55

Styrene

Concen: 5.282 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU055179.D

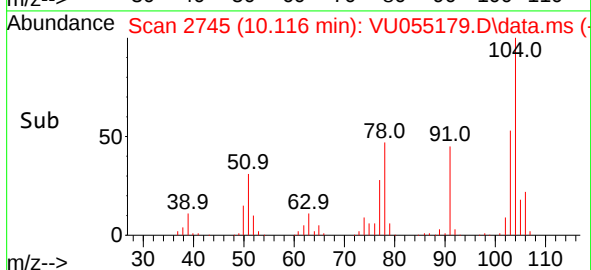
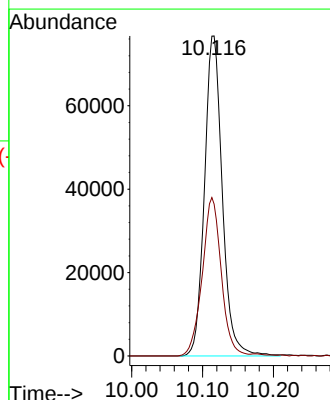
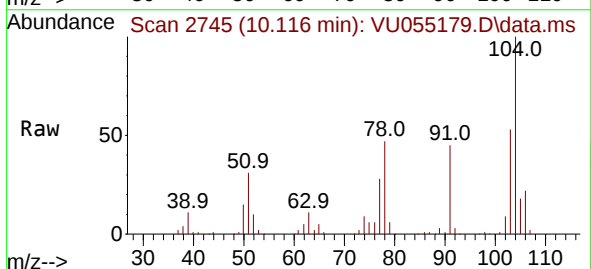
Acq: 07 Sep 2023 10:48

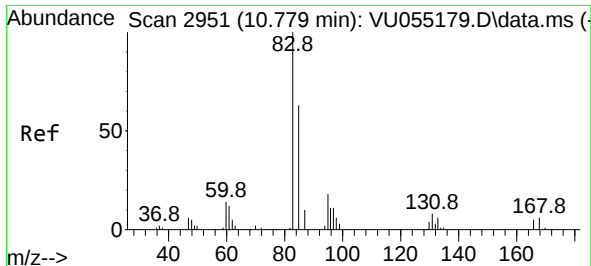
Tgt Ion:104 Resp: 134268

Ion Ratio Lower Upper

104 100

78 47.4 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.671 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

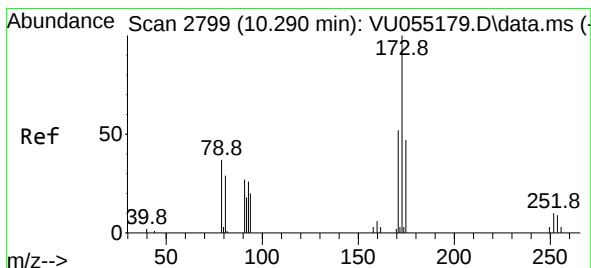
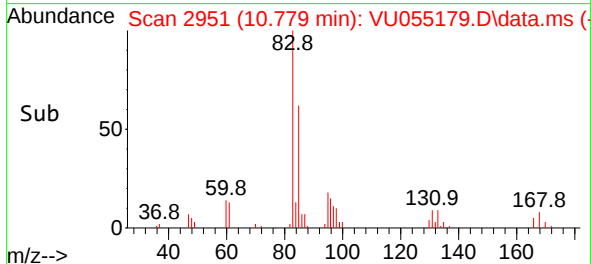
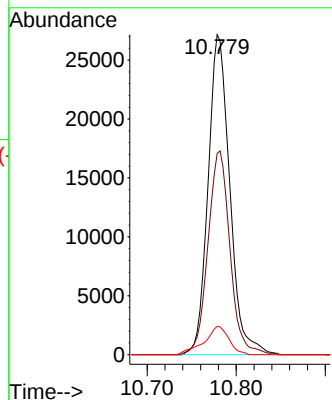
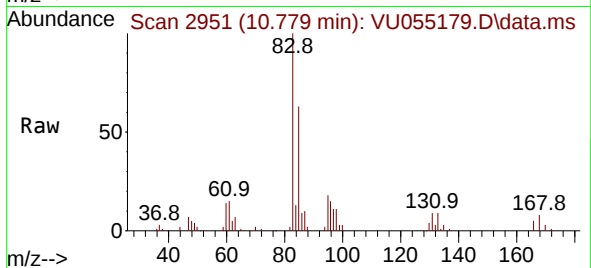
Tgt Ion: 83 Resp: 45911

Ion Ratio Lower Upper

83 100

85 62.9 42.4 78.6

131 8.9 7.6 11.4



#59

Bromoform

Concen: 5.131 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

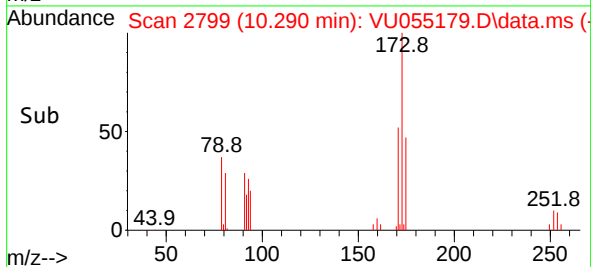
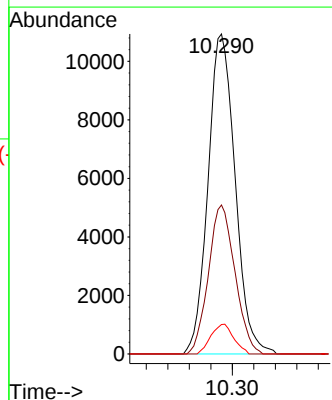
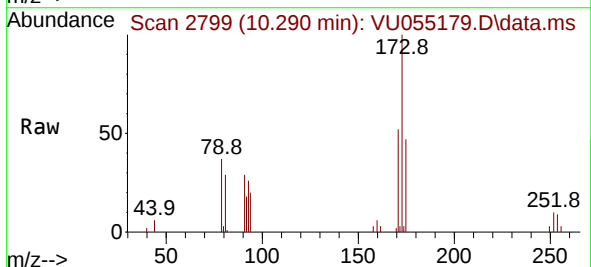
Tgt Ion:173 Resp: 19142

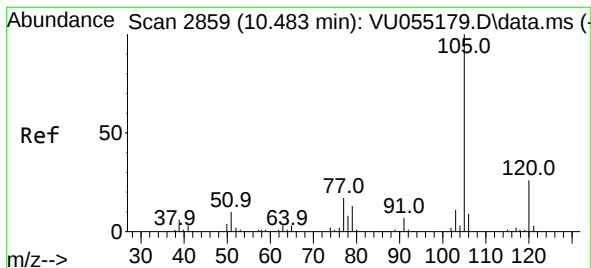
Ion Ratio Lower Upper

173 100

175 45.5 40.9 61.3

254 7.8 7.0 10.4





#60

Isopropylbenzene

Concen: 5.120 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

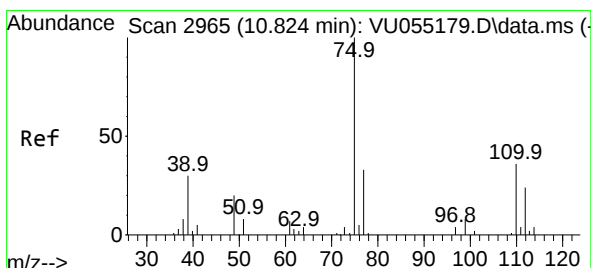
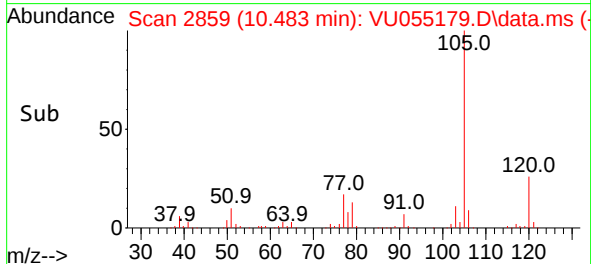
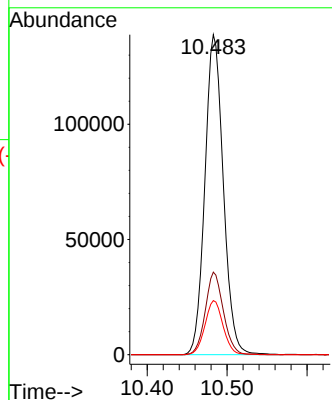
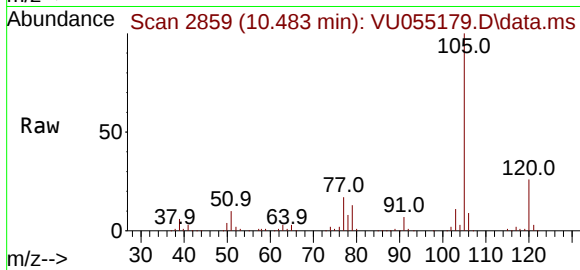
Tgt Ion:105 Resp: 222919

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

77 16.6 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 5.463 ug/L

RT: 10.824 min Scan# 2965

Delta R.T. 0.003 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

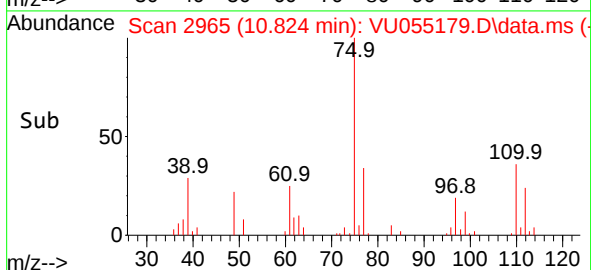
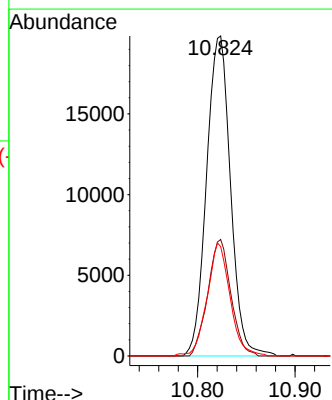
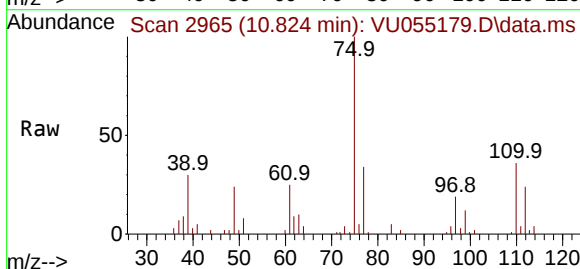
Tgt Ion: 75 Resp: 33848

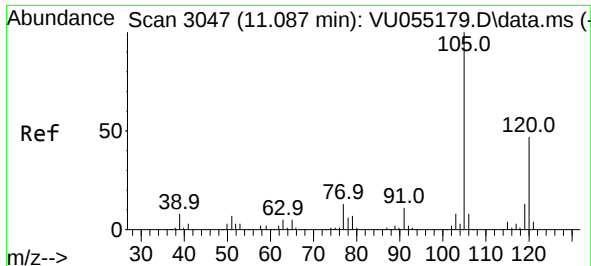
Ion Ratio Lower Upper

75 100

110 35.1 28.2 42.2

77 33.8 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 5.039 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

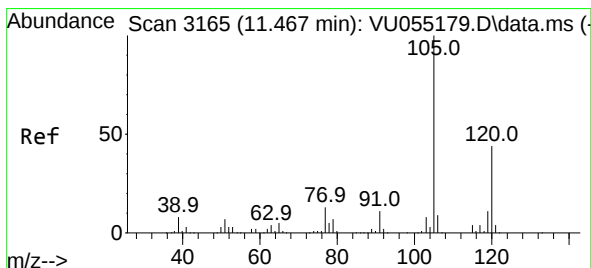
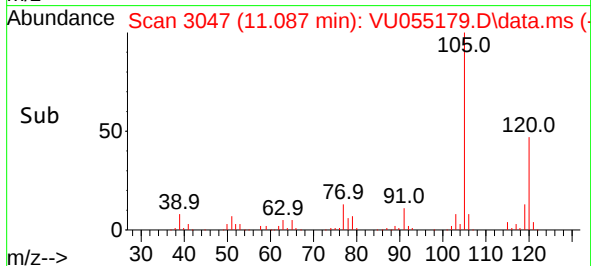
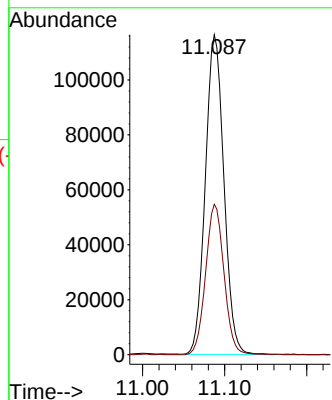
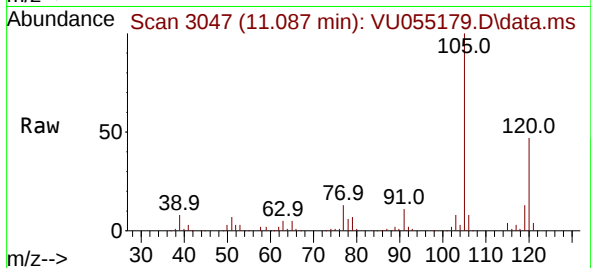
VSTD005115

Tgt Ion:105 Resp: 182505

Ion Ratio Lower Upper

105 100

120 46.6 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.871 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055179.D

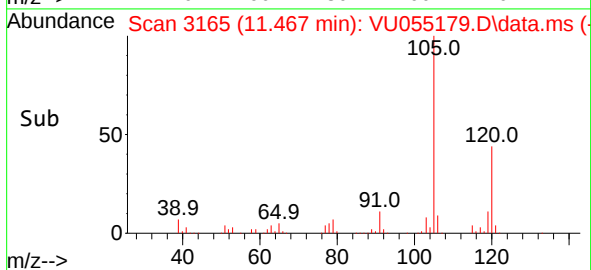
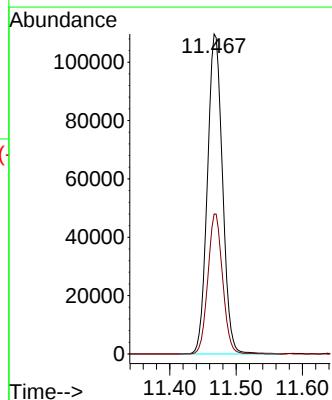
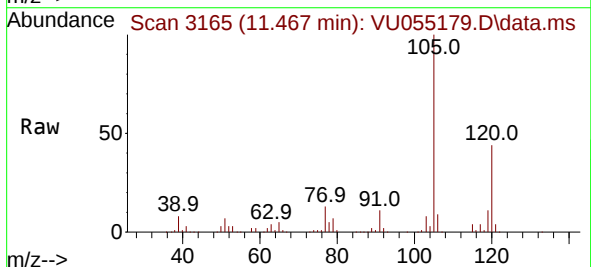
Acq: 07 Sep 2023 10:48

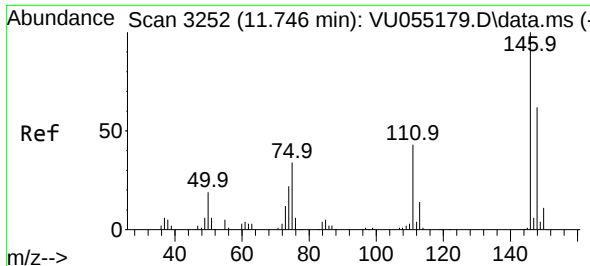
Tgt Ion:105 Resp: 173862

Ion Ratio Lower Upper

105 100

120 42.6 35.4 53.0

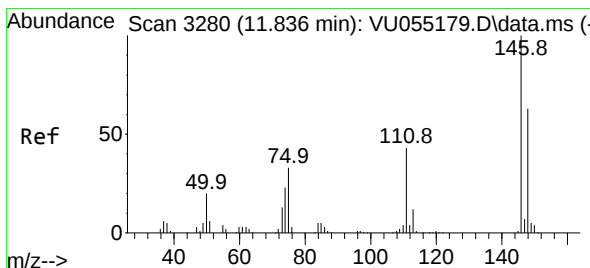
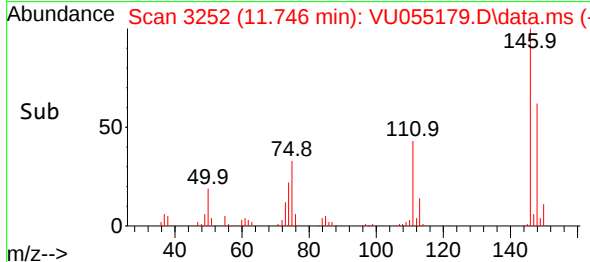
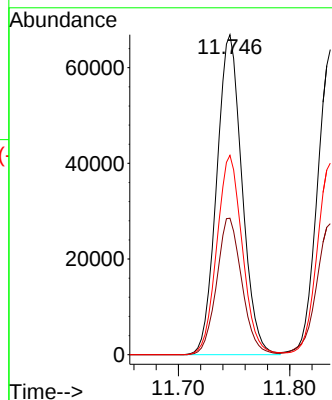
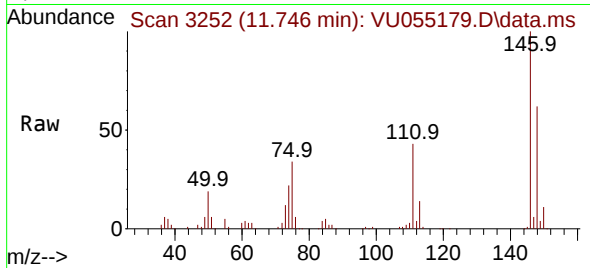




#64
1,3-Dichlorobenzene
Concen: 5.062 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

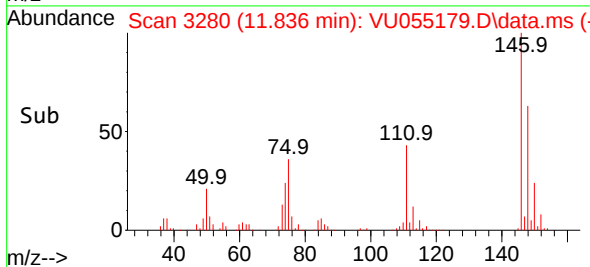
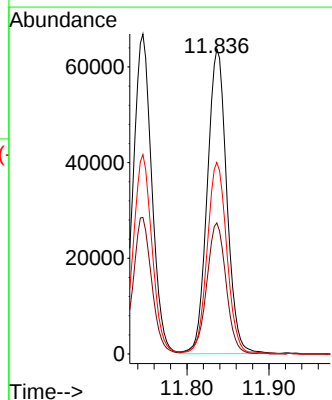
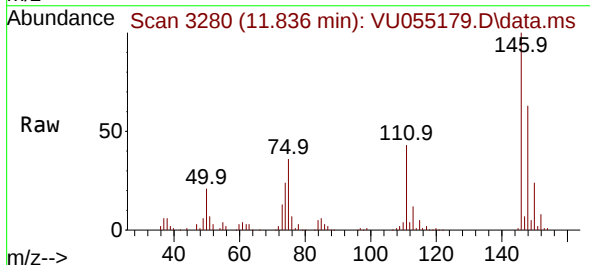
Instrument :
MSVOA_U
ClientSampleId :
VSTD005115

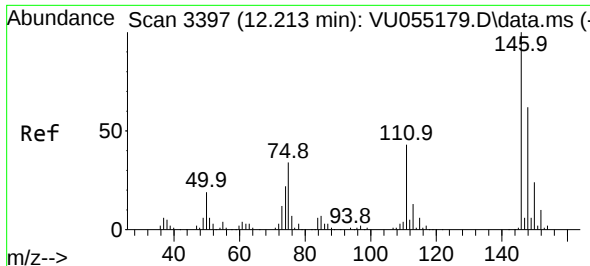
Tgt Ion:146 Resp: 105798
Ion Ratio Lower Upper
146 100
111 42.6 30.0 55.6
148 62.3 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 5.044 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU055179.D
Acq: 07 Sep 2023 10:48

Tgt Ion:146 Resp: 105072
Ion Ratio Lower Upper
146 100
111 42.9 28.1 52.1
148 62.8 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 4.957 ug/L

RT: 12.213 min Scan# 3397

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

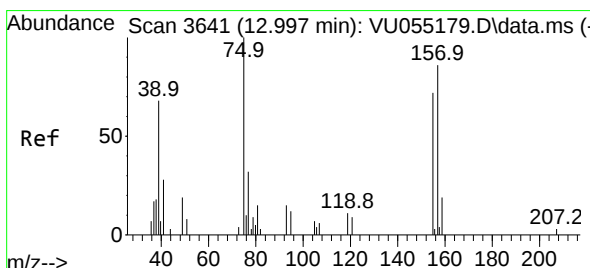
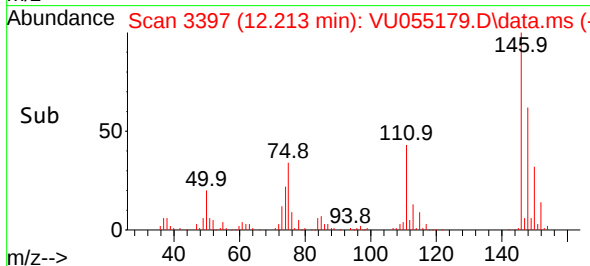
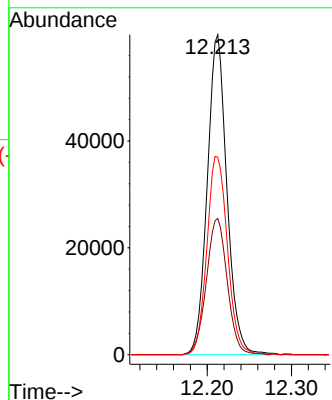
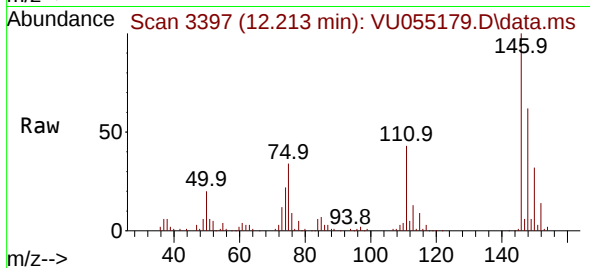
Tgt Ion:146 Resp: 97142

Ion Ratio Lower Upper

146 100

111 42.5 35.6 53.4

148 61.7 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.208 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

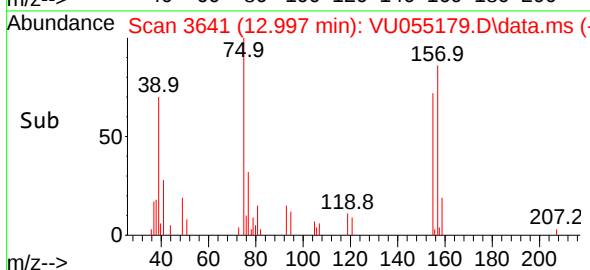
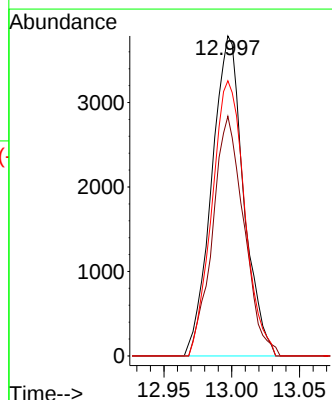
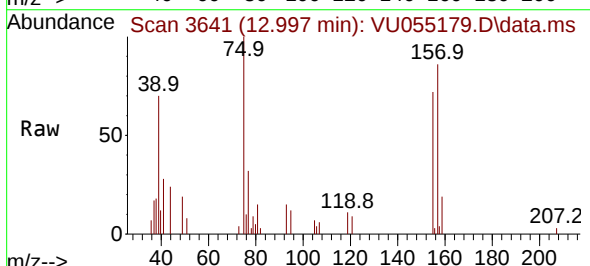
Tgt Ion: 75 Resp: 6216

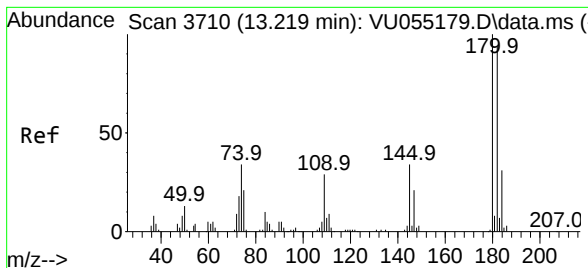
Ion Ratio Lower Upper

75 100

155 74.9 61.1 91.7

157 90.2 66.8 100.2





#69

1,3,5-Trichlorobenzene

Concen: 4.720 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

Tgt Ion:180 Resp: 74555

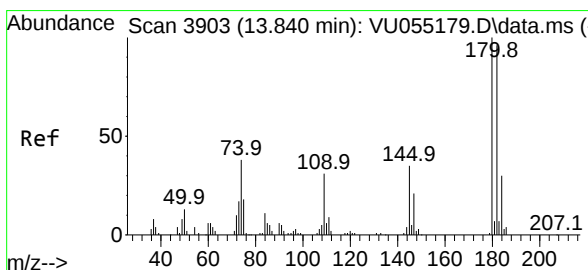
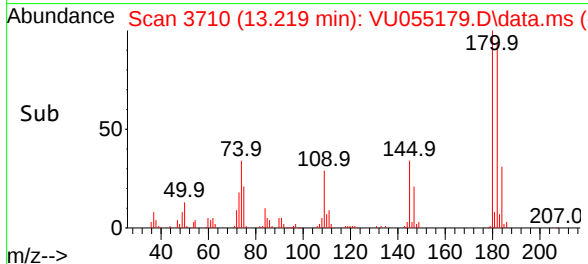
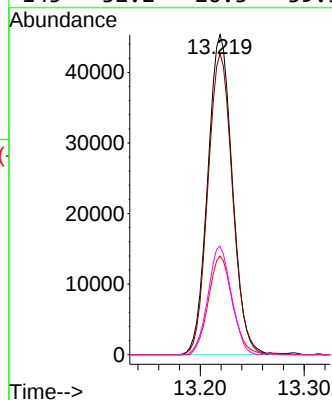
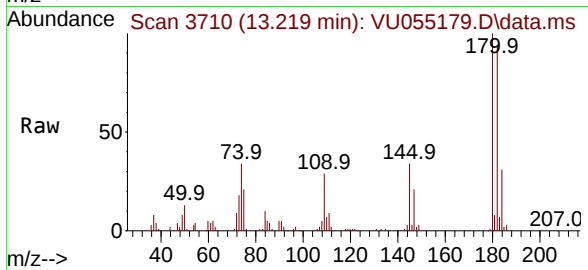
Ion Ratio Lower Upper

180 100

182 93.6 75.8 113.6

184 30.1 24.0 36.0

145 32.2 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 4.165 ug/L

RT: 13.840 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

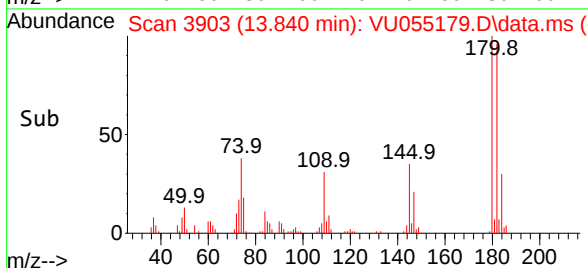
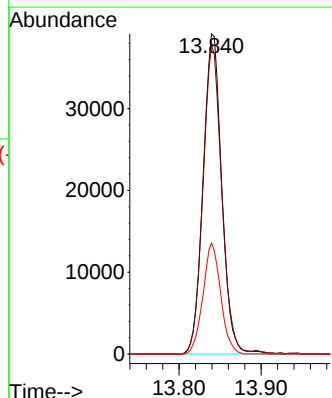
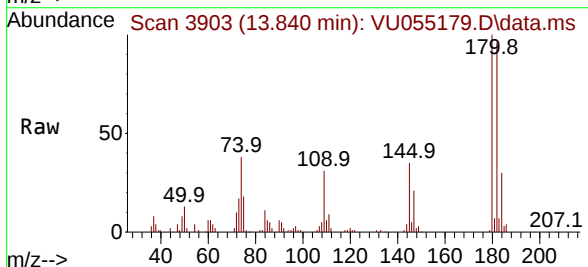
Tgt Ion:180 Resp: 61686

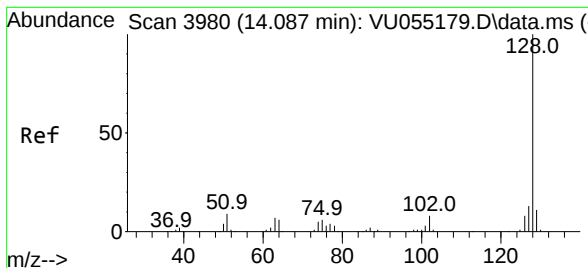
Ion Ratio Lower Upper

180 100

182 96.4 73.6 110.4

145 32.9 25.8 38.8





#71

Naphthalene

Concen: 3.911 ug/L

RT: 14.087 min Scan# 3980

Delta R.T. 0.000 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD005115

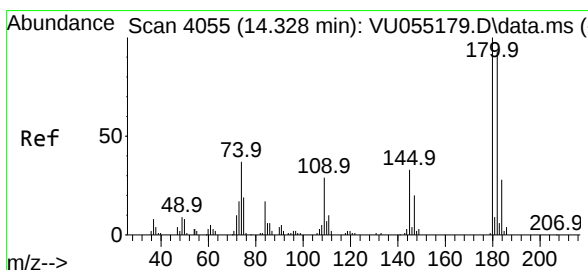
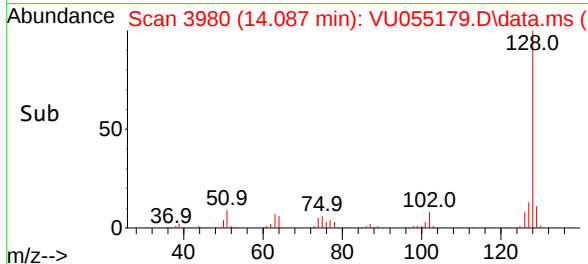
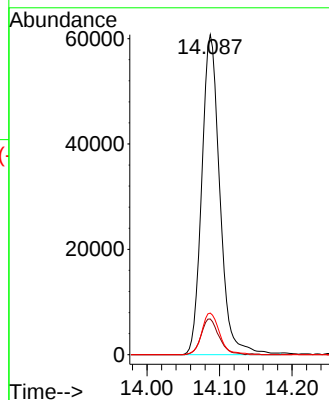
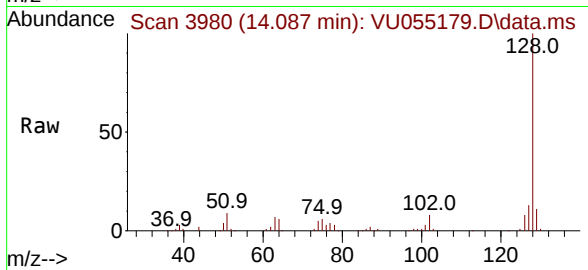
Tgt Ion:128 Resp: 105278

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.2

127 12.9 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.323 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. -0.003 min

Lab File: VU055179.D

Acq: 07 Sep 2023 10:48

Tgt Ion:180 Resp: 55575

Ion Ratio Lower Upper

180 100

182 92.8 75.6 113.4

145 33.6 27.0 40.6

