

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
 Data File : VU052579.D
 Acq On : 27 Dec 2022 20:54
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005119

Quant Time: Dec 28 01:26:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 28 01:18:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	187230	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	176798	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	92439	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	68348	3.603	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.000%
7) Chloroethane-d5	1.916	69	68632	4.196	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.565	65	31231	3.826	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.642	46	337767	57.422	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.840%
24) Chloroform-d	5.060	84	154986	4.843	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.697	65	88857	4.787	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.723	84	307356	5.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.687	67	108791	5.214	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.200%
41) Toluene-d8	7.893	98	270299	5.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
43) trans-1,3-Dichloroprop...	8.176	79	39390	5.513	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.200%
46) 2-Hexanone-d5	8.629	63	249077	63.718	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.440%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	96594	5.453	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	98285	5.222	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	67689	4.063	ug/L	100
3) Chloromethane	1.520	50	114547	4.763	ug/L	100
5) Vinyl chloride	1.604	62	98524	4.520	ug/L	95
6) Bromomethane	1.858	94	45600	3.669	ug/L	95
8) Chloroethane	1.935	64	64346	4.310	ug/L	99
9) Trichlorofluoromethane	2.141	101	104264	4.230	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	60993	4.163	ug/L	99
12) 1,1-Dichloroethene	2.581	96	62435	4.453	ug/L	96
13) Acetone	2.662	43	183317	42.276	ug/L	99
14) Carbon disulfide	2.793	76	198662	4.397	ug/L	99
15) Methyl Acetate	2.957	43	47977	5.022	ug/L	100
16) Methylene chloride	3.044	84	91754	4.632	ug/L	96
17) Methyl tert-butyl Ether	3.363	73	198180	5.294	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	70071	4.849	ug/L	100
19) 1,1-Dichloroethane	3.867	63	153933	4.898	ug/L	98
21) 2-Butanone	4.719	43	331084	51.843	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	81122	5.115	ug/L	95
23) Bromochloromethane	4.970	128	35880	4.882	ug/L	92
25) Chloroform	5.086	83	147229	4.835	ug/L	99

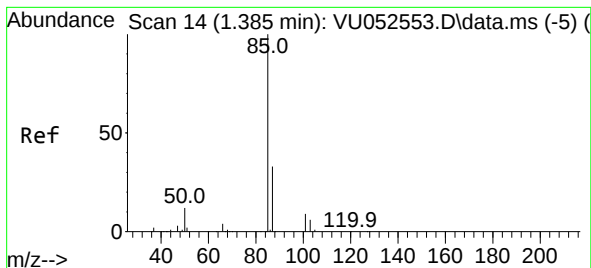
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122722\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 28 01:18:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	104711	4.977	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	110880	4.983	ug/L	98
30) Cyclohexane	5.385	56	115269	4.794	ug/L	99
31) Carbon tetrachloride	5.523	117	89919	4.599	ug/L	98
33) Benzene	5.771	78	329695	5.177	ug/L	100
34) Trichloroethene	6.539	95	75878	5.097	ug/L	99
35) Methylcyclohexane	6.761	83	106531	4.745	ug/L	96
37) 1,2-Dichloropropane	6.787	63	93433	5.258	ug/L	100
38) Bromodichloromethane	7.102	83	107967	4.992	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	122222	5.431	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	733141	56.458	ug/L	97
42) Toluene	7.964	91	331039	5.422	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	109472	5.520	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	65752	5.224	ug/L	99
47) Tetrachloroethene	8.549	164	52965	5.097	ug/L	97
48) 2-Hexanone	8.681	43	543798	55.556	ug/L	98
49) Dibromochloromethane	8.806	129	70060	5.257	ug/L	97
50) 1,2-Dibromoethane	8.919	107	58967	5.154	ug/L #	98
51) Chlorobenzene	9.443	112	205828	5.279	ug/L	99
52) Ethylbenzene	9.565	91	342585	5.422	ug/L	100
53) m,p-Xylene	9.690	106	131095	5.626	ug/L	98
54) o-Xylene	10.095	106	127739	5.719	ug/L	99
55) Styrene	10.108	104	226070	5.818	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	90665	5.211	ug/L #	97
59) Bromoform	10.285	173	39634	4.880	ug/L	100
60) Isopropylbenzene	10.478	105	329120	5.493	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	64678	4.878	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	272483	5.514	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	281878	5.667	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	158362	5.327	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	158590	5.159	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	152841	5.203	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	14991	4.995	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	112797	5.153	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	98614	5.354	ug/L	99
71) Naphthalene	14.079	128	211071	5.664	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	99317	5.380	ug/L	100

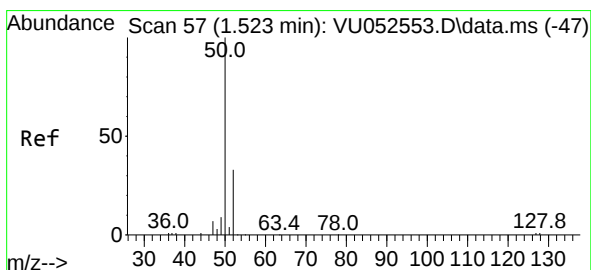
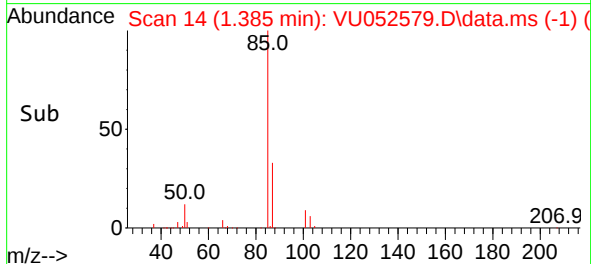
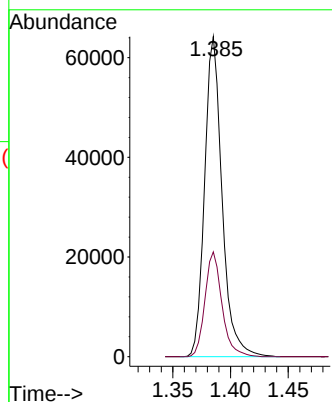
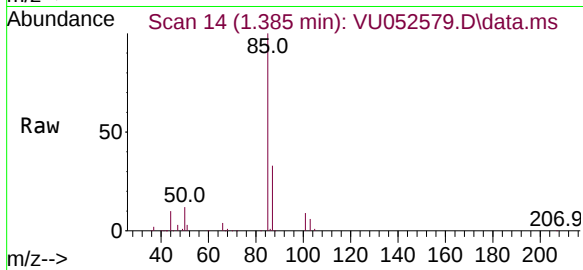
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#2
Dichlorodifluoromethane
Concen: 4.063 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

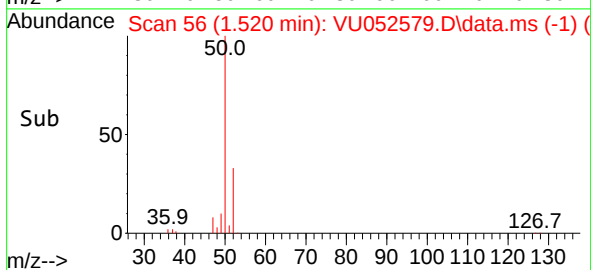
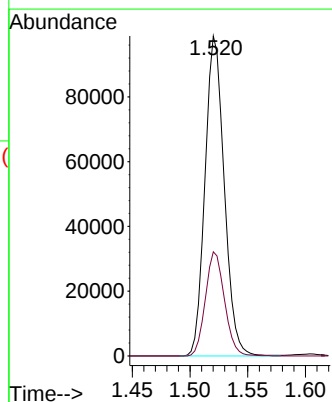
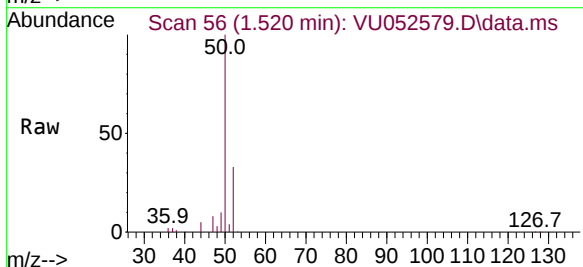
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

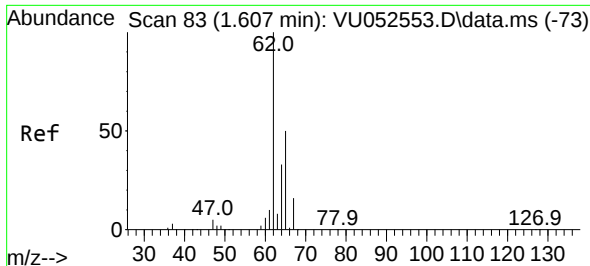
Tgt Ion: 85 Resp: 67689
Ion Ratio Lower Upper
85 100
87 31.9 25.6 38.4



#3
Chloromethane
Concen: 4.763 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 50 Resp: 114547
Ion Ratio Lower Upper
50 100
52 32.5 23.0 42.6

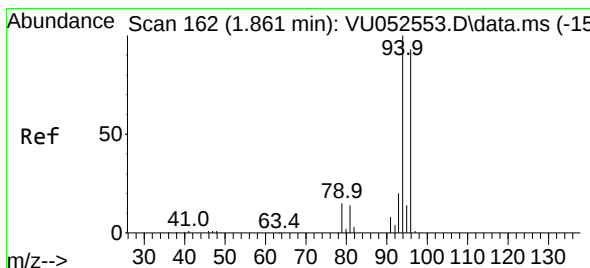
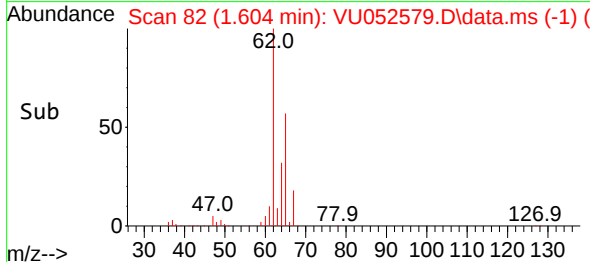
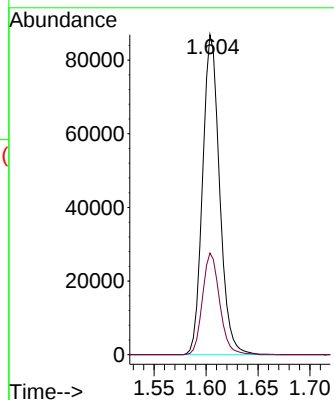
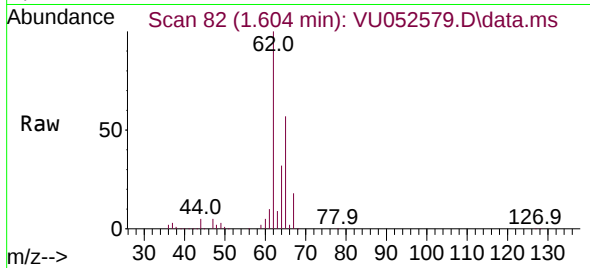




#5
 Vinyl chloride
 Concen: 4.520 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU052579.D
 Acq: 27 Dec 2022 20:54

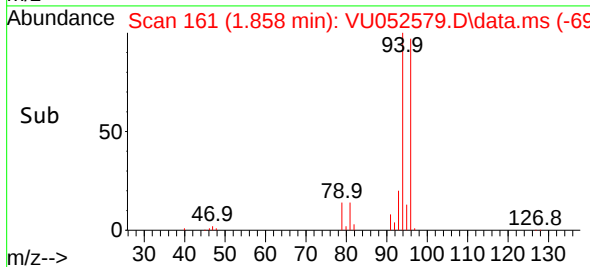
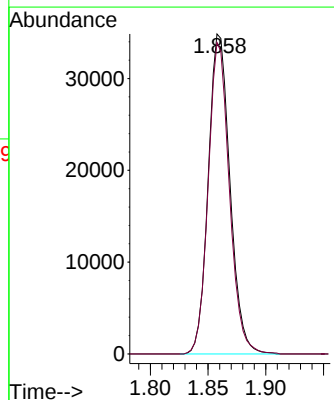
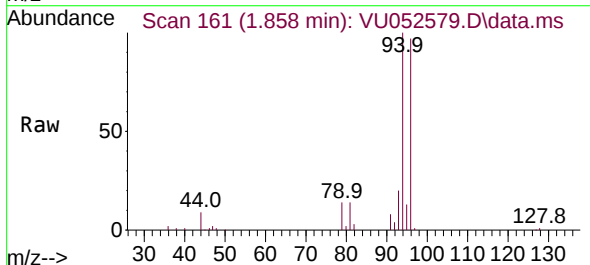
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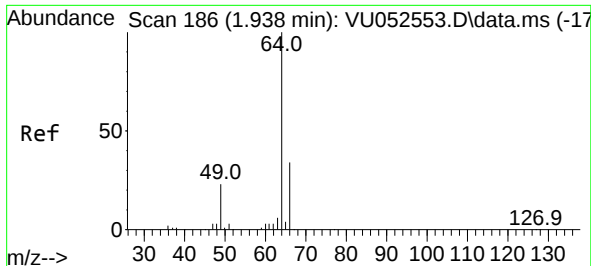
Tgt Ion: 62 Resp: 98524
 Ion Ratio Lower Upper
 62 100
 64 31.8 24.4 45.4



#6
 Bromomethane
 Concen: 3.669 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU052579.D
 Acq: 27 Dec 2022 20:54

Tgt Ion: 94 Resp: 45600
 Ion Ratio Lower Upper
 94 100
 96 97.3 65.0 120.8

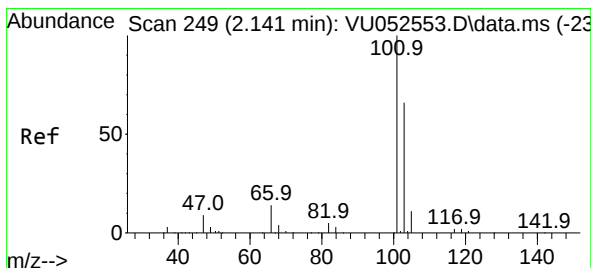
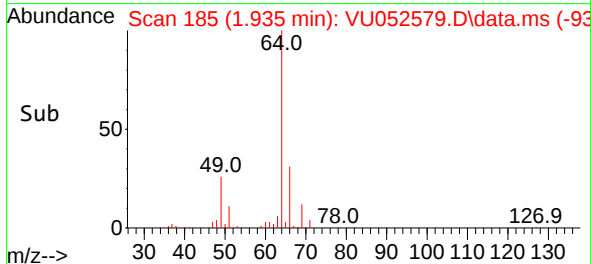
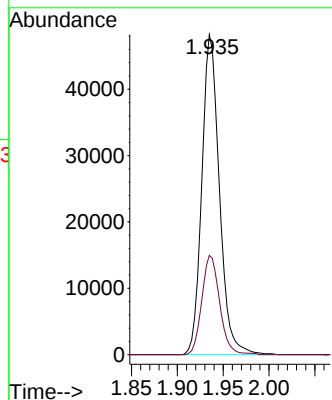
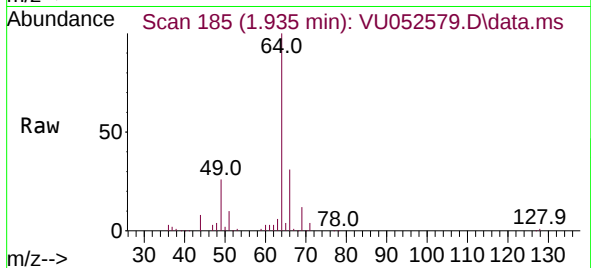




#8
Chloroethane
Concen: 4.310 ug/L
RT: 1.935 min Scan# 186
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

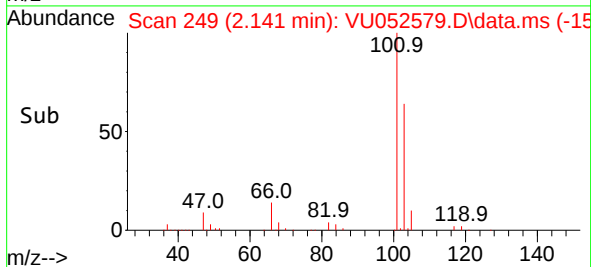
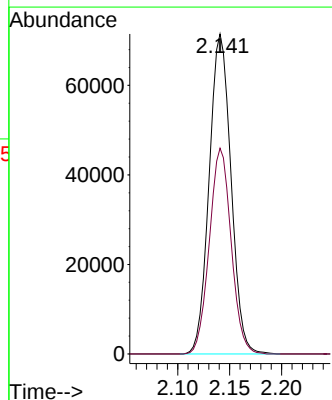
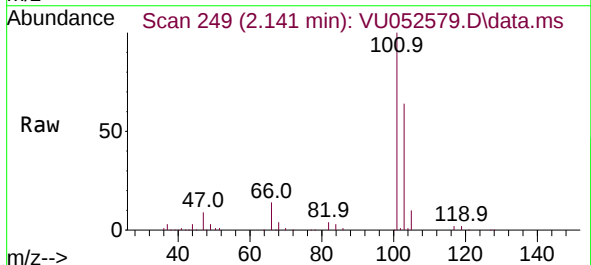
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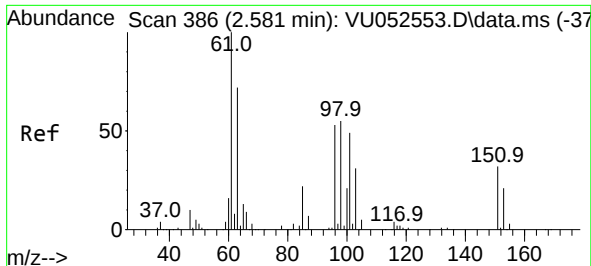
Tgt Ion: 64 Resp: 64346
Ion Ratio Lower Upper
64 100
66 31.0 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.230 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 101 Resp: 104264
Ion Ratio Lower Upper
101 100
103 64.2 52.0 78.0

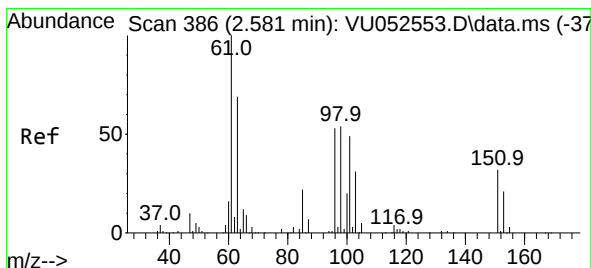
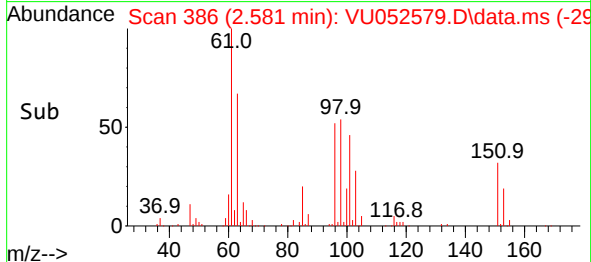
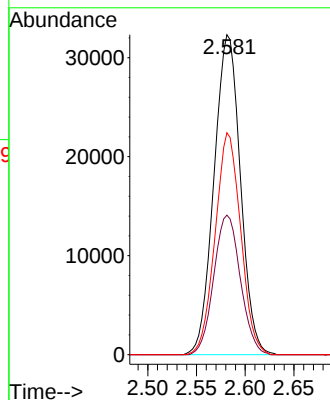
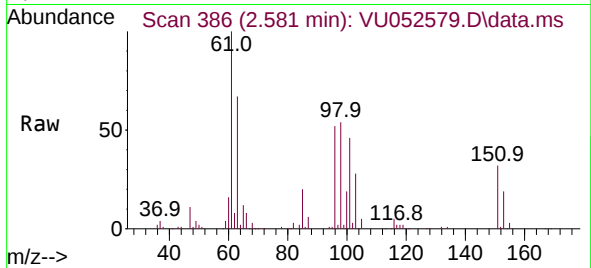




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.163 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

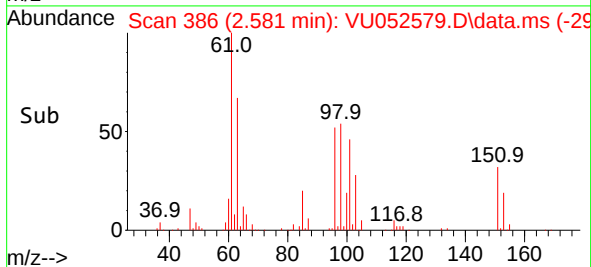
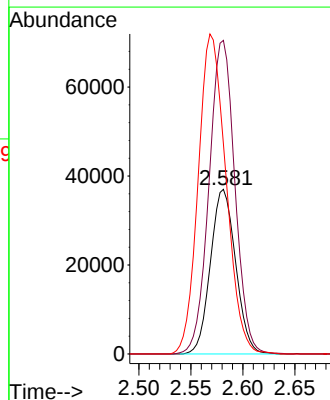
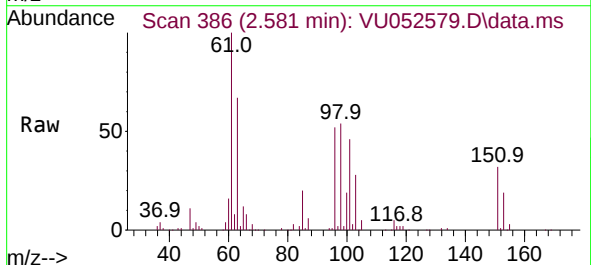
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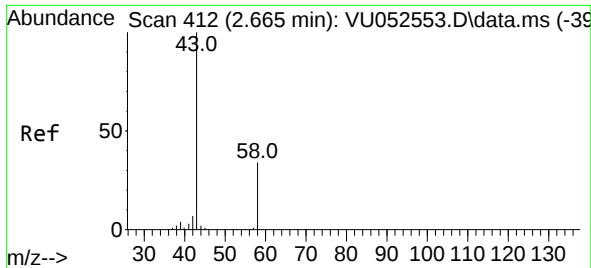
Tgt Ion:101 Resp: 60993
Ion Ratio Lower Upper
101 100
85 43.9 35.8 53.6
151 67.1 53.6 80.4



#12
1,1-Dichloroethene
Concen: 4.453 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 96 Resp: 62435
Ion Ratio Lower Upper
96 100
61 190.5 135.4 251.4
63 127.8 95.4 177.2





#13

Acetone

Concen: 42.276 ug/L

RT: 2.662 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

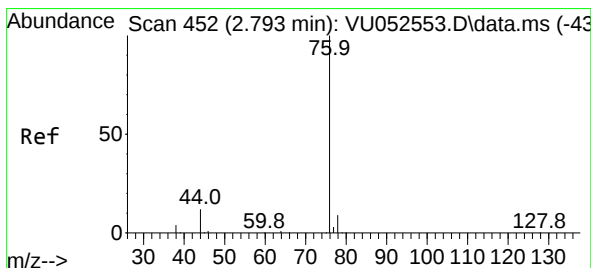
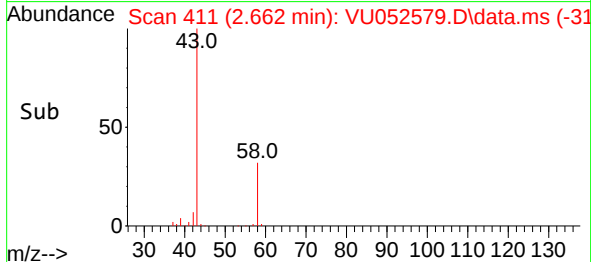
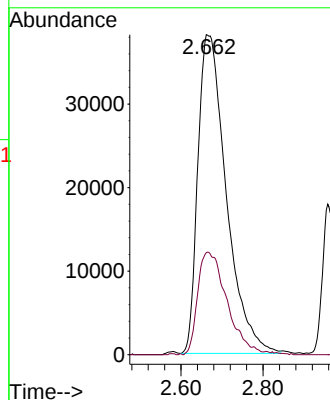
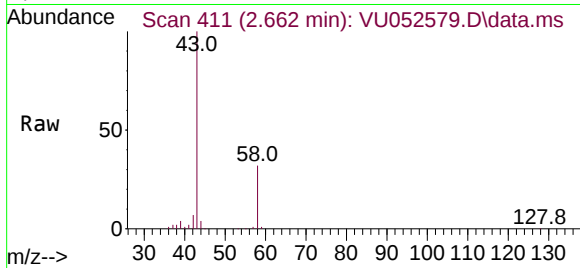
VSTD005119

Tgt Ion: 43 Resp: 183317

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.4



#14

Carbon disulfide

Concen: 4.397 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052579.D

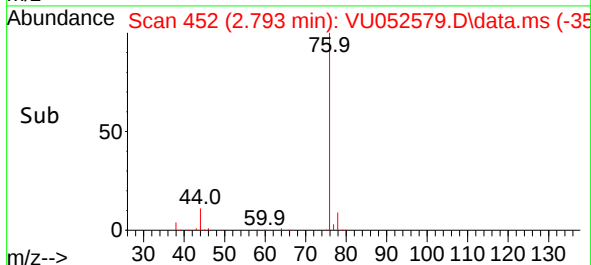
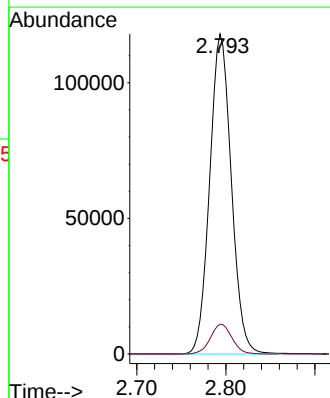
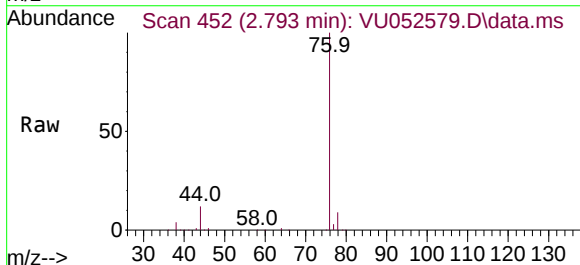
Acq: 27 Dec 2022 20:54

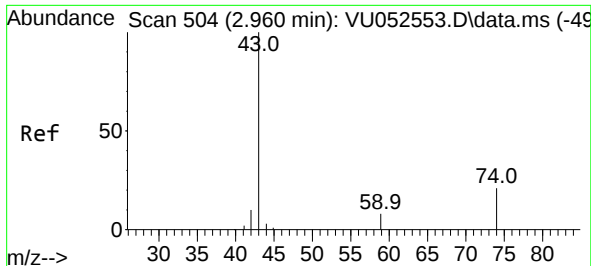
Tgt Ion: 76 Resp: 198662

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

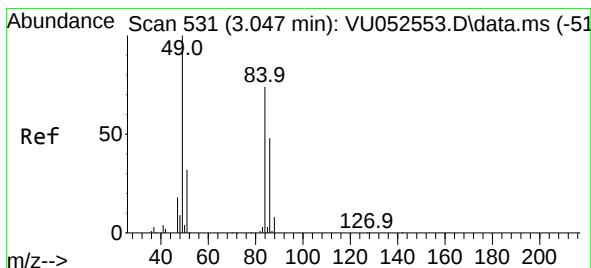
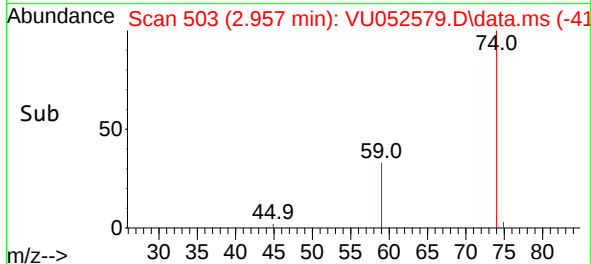
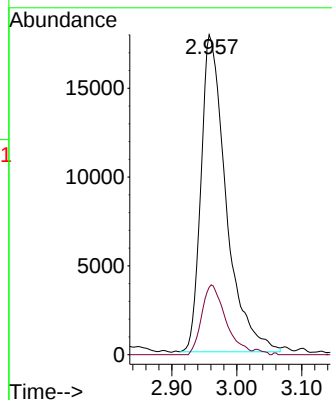
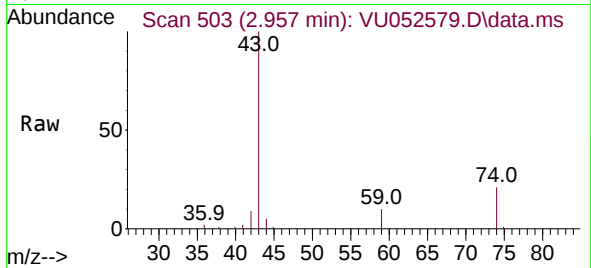




#15
Methyl Acetate
Concen: 5.022 ug/L
RT: 2.957 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

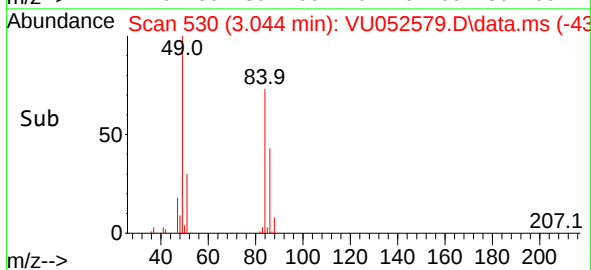
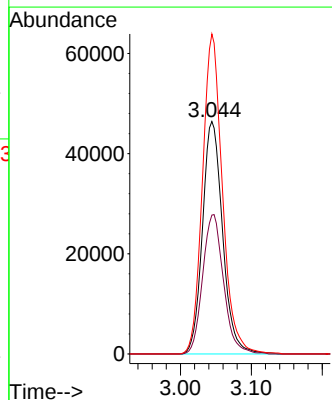
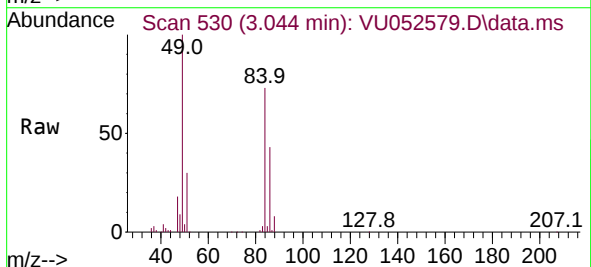
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

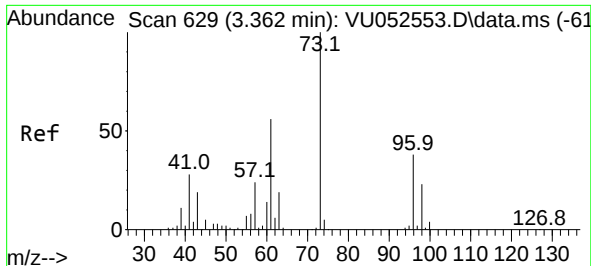
Tgt Ion: 43 Resp: 47977
Ion Ratio Lower Upper
43 100
74 21.0 16.9 25.3



#16
Methylene chloride
Concen: 4.632 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 84 Resp: 91754
Ion Ratio Lower Upper
84 100
86 59.7 44.7 83.1
49 137.6 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.294 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005119

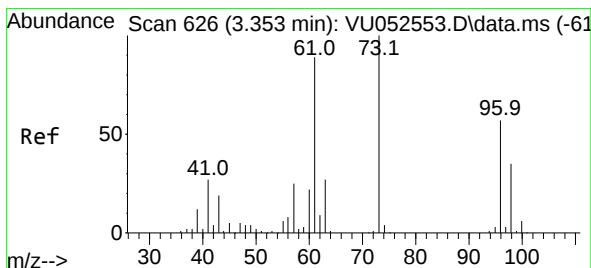
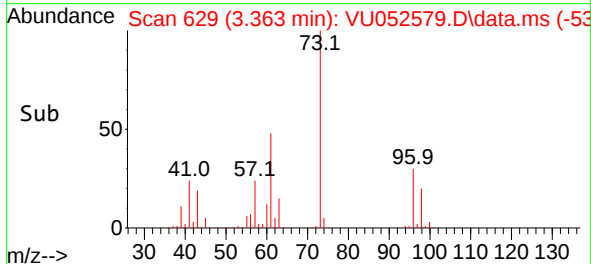
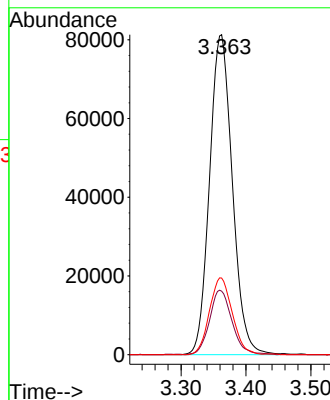
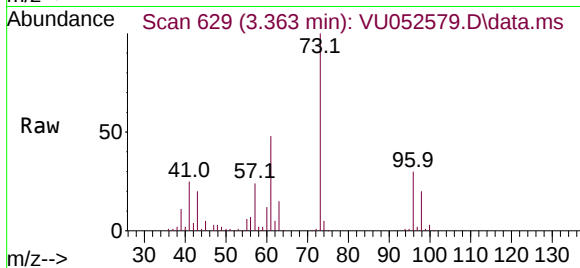
Tgt Ion: 73 Resp: 198180

Ion Ratio Lower Upper

73 100

43 19.9 16.1 24.1

57 24.0 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 4.849 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

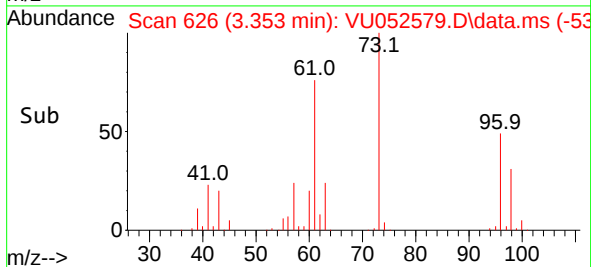
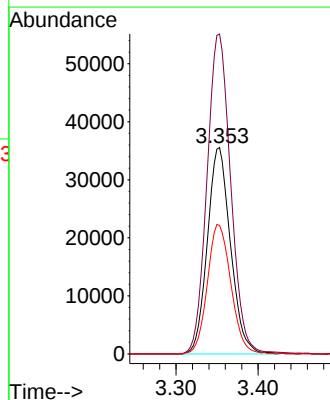
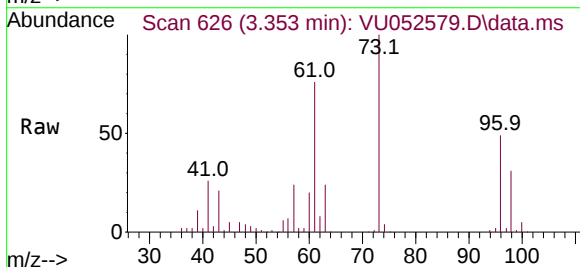
Tgt Ion: 96 Resp: 70071

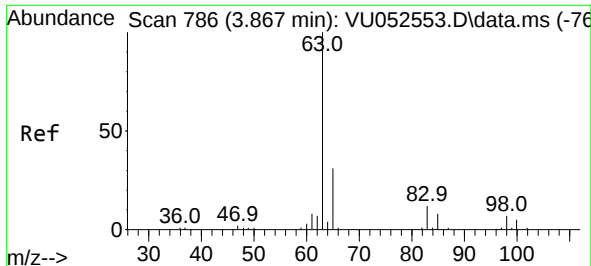
Ion Ratio Lower Upper

96 100

61 155.0 108.3 201.1

98 62.4 44.0 81.6

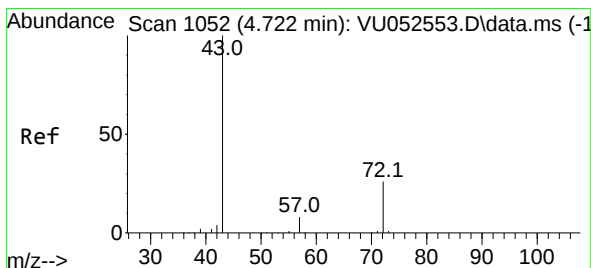
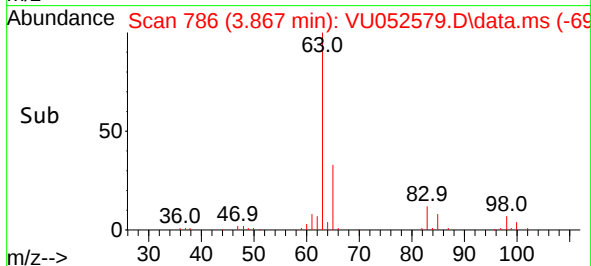
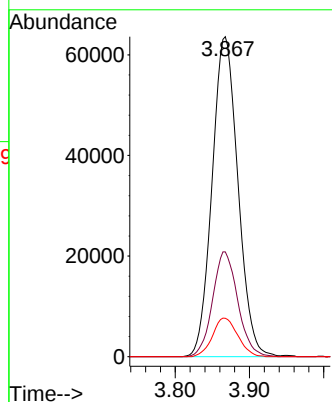
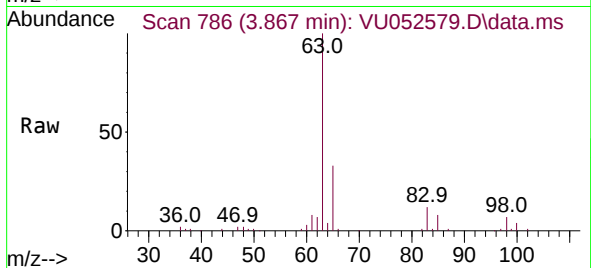




#19
1,1-Dichloroethane
Concen: 4.898 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

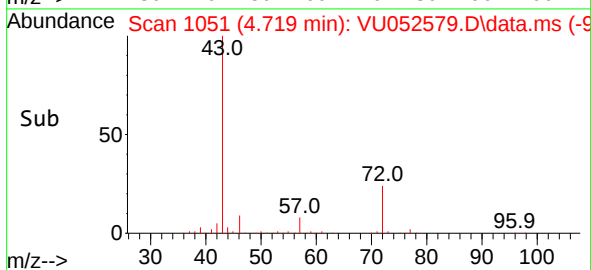
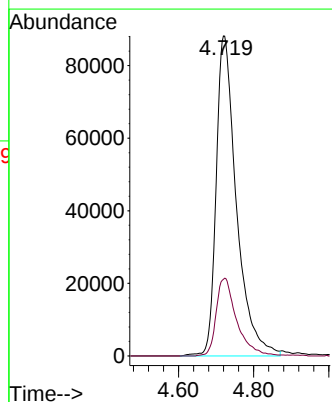
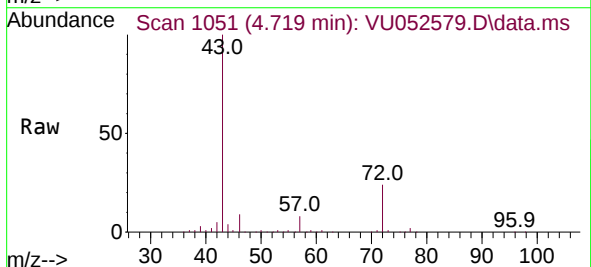
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

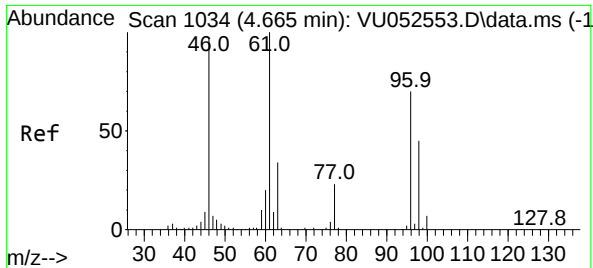
Tgt Ion: 63 Resp: 153933
Ion Ratio Lower Upper
63 100
65 32.7 22.0 40.8
83 12.0 9.0 16.8



#21
2-Butanone
Concen: 51.843 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 43 Resp: 331084
Ion Ratio Lower Upper
43 100
72 24.6 11.6 34.7

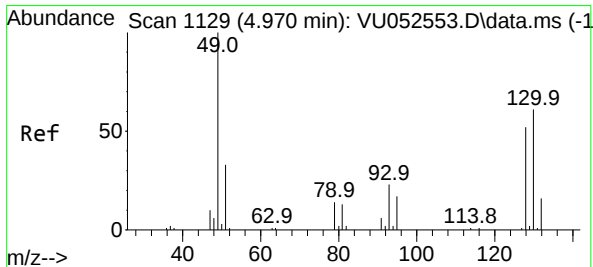
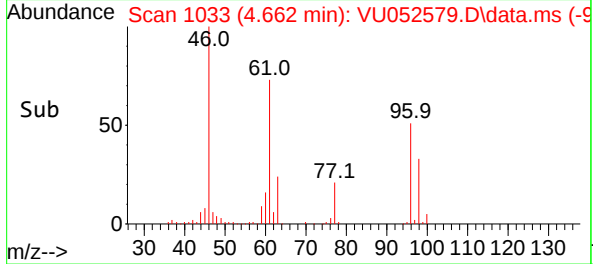
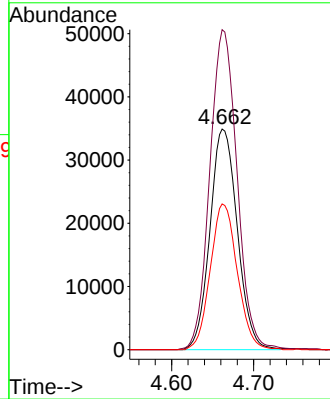
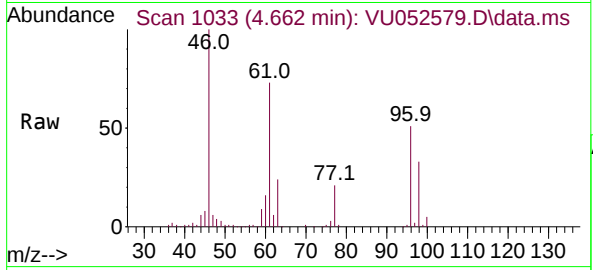




#22
cis-1,2-Dichloroethene
Concen: 5.115 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

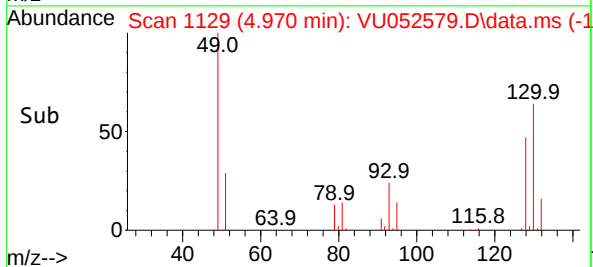
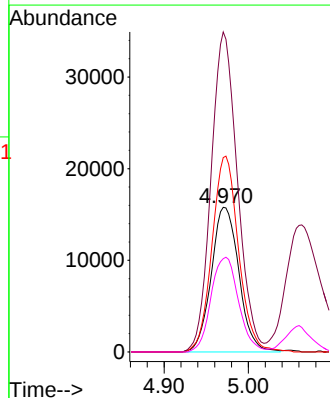
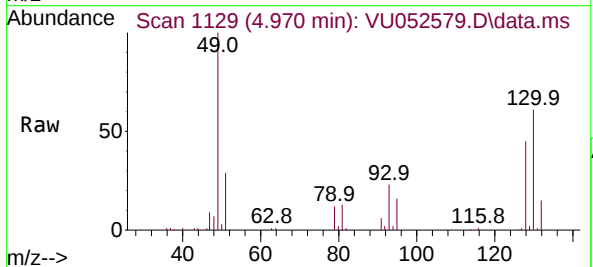
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

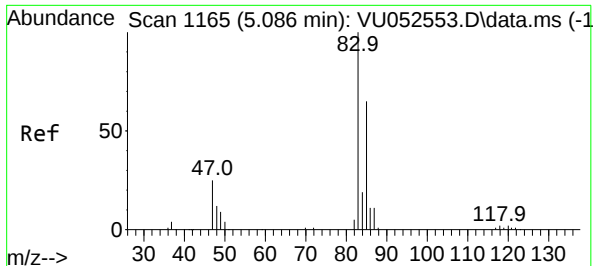
Tgt Ion: 96 Resp: 81122
Ion Ratio Lower Upper
96 100
61 145.1 96.9 180.1
98 66.1 44.7 83.1



#23
Bromochloromethane
Concen: 4.882 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion:128 Resp: 35880
Ion Ratio Lower Upper
128 100
49 221.3 143.3 266.1
130 134.4 88.4 164.2
51 64.5 53.2 79.8





#25

Chloroform

Concen: 4.835 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

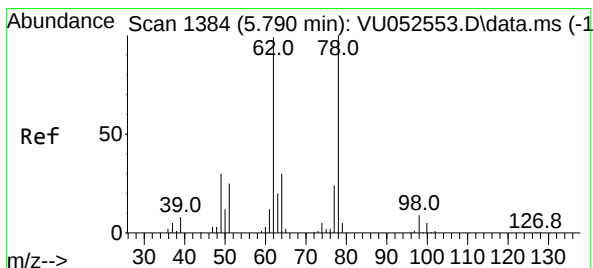
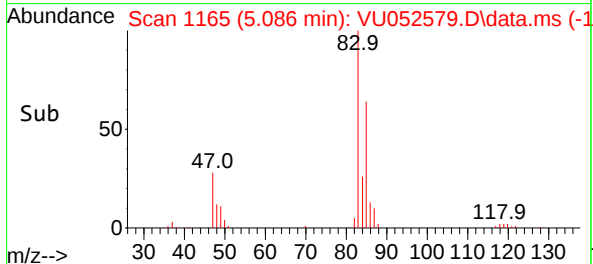
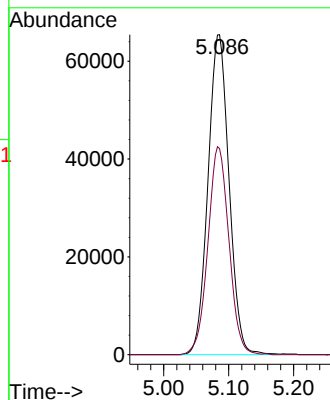
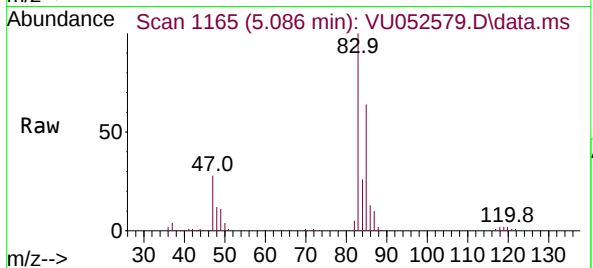
VSTD005119

Tgt Ion: 83 Resp: 147229

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.977 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU052579.D

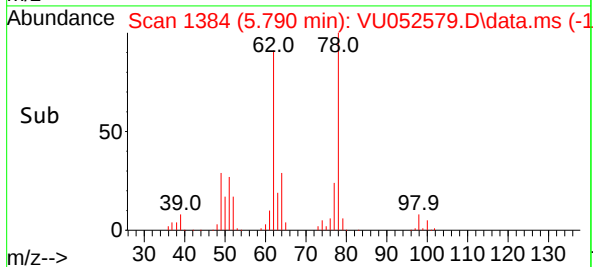
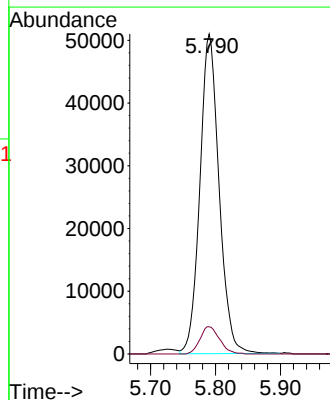
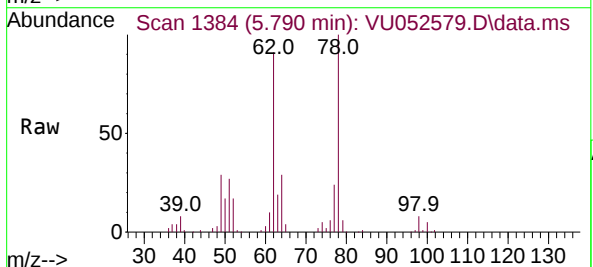
Acq: 27 Dec 2022 20:54

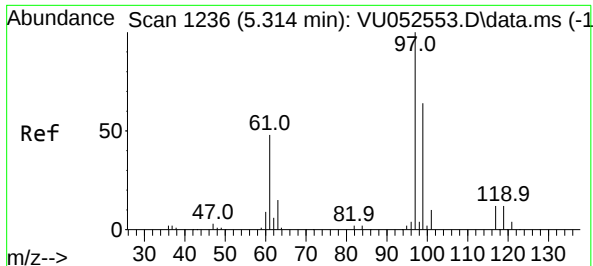
Tgt Ion: 62 Resp: 104711

Ion Ratio Lower Upper

62 100

98 8.5 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.983 ug/L

RT: 5.314 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005119

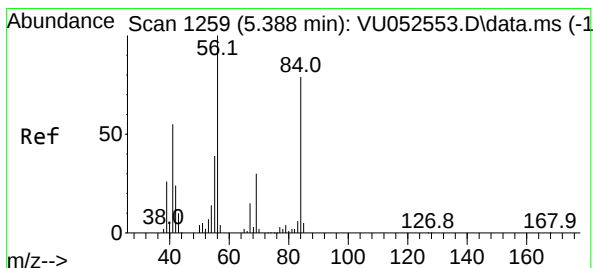
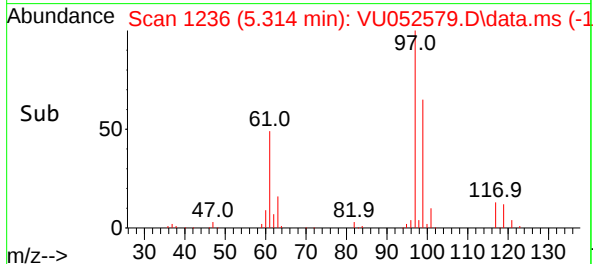
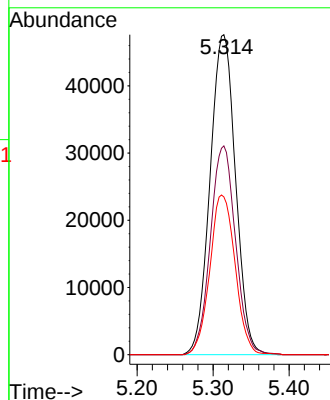
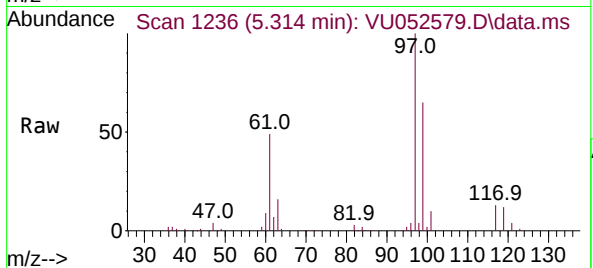
Tgt Ion: 97 Resp: 110880

Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.2

61 49.7 41.6 62.4



#30

Cyclohexane

Concen: 4.794 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

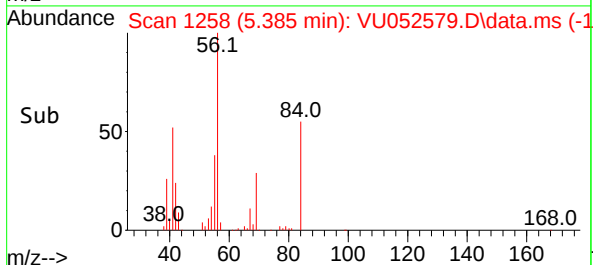
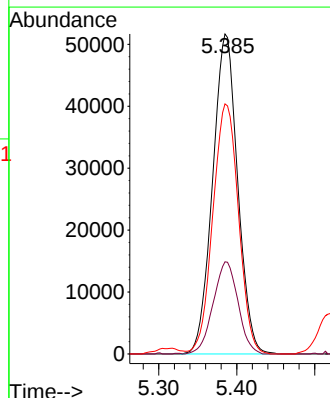
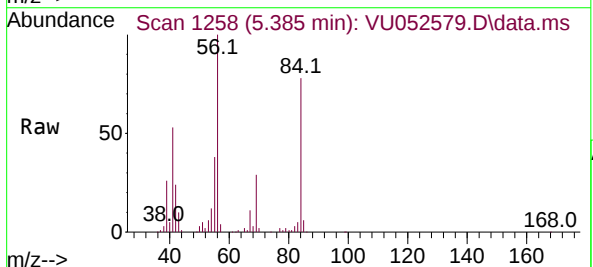
Tgt Ion: 56 Resp: 115269

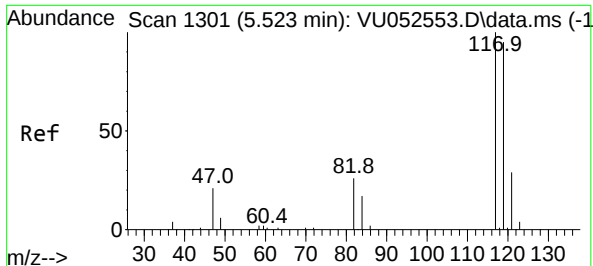
Ion Ratio Lower Upper

56 100

69 28.6 23.0 34.6

84 80.0 64.4 96.6

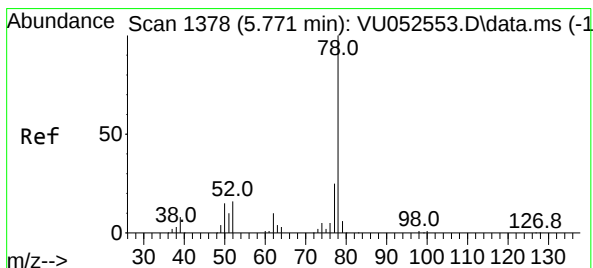
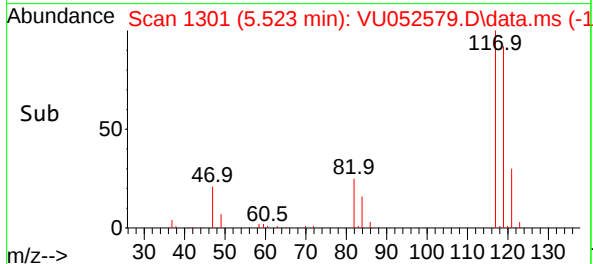
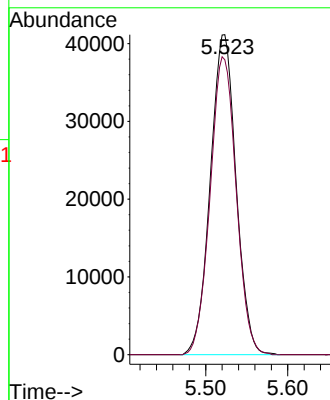
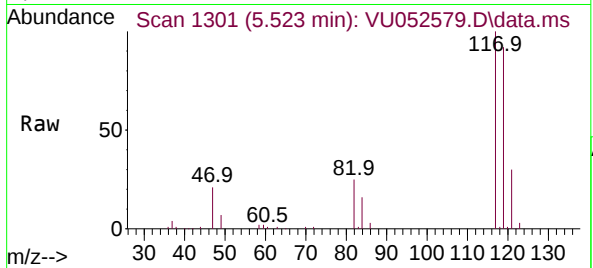




#31
Carbon tetrachloride
Concen: 4.599 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

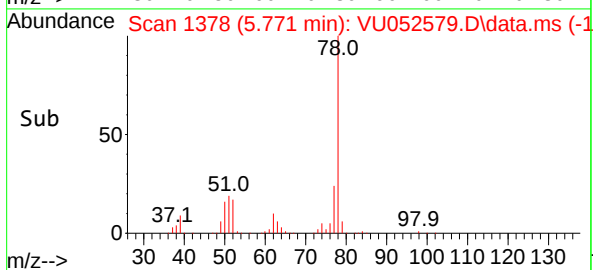
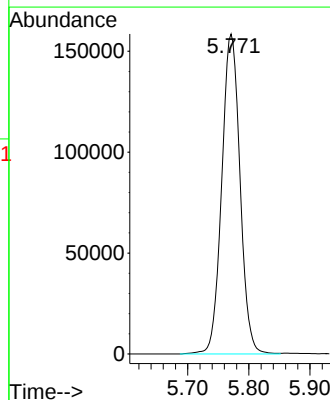
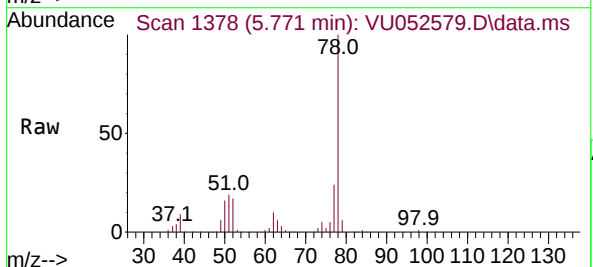
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

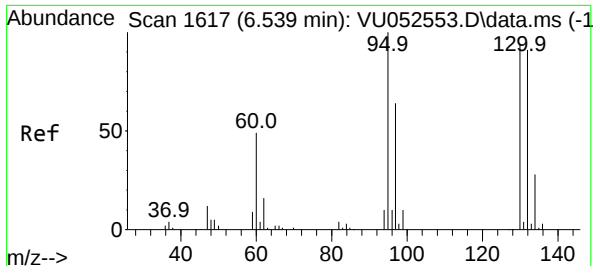
Tgt Ion:117 Resp: 89919
Ion Ratio Lower Upper
117 100
119 93.9 76.3 114.5



#33
Benzene
Concen: 5.177 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 78 Resp: 329695



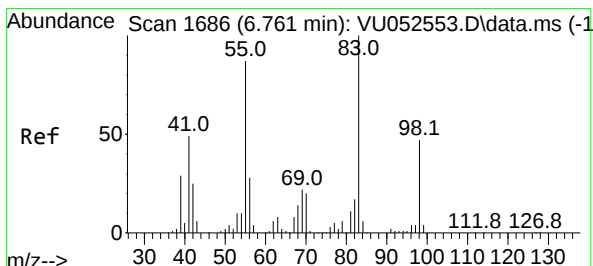
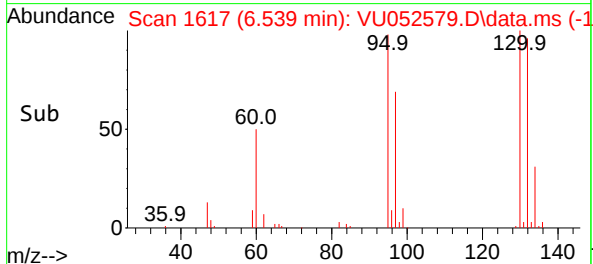
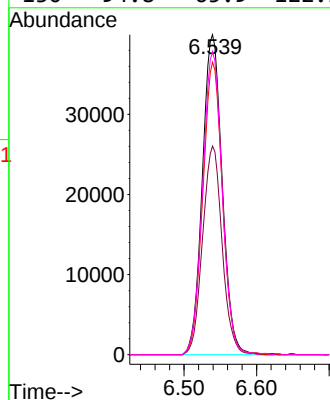
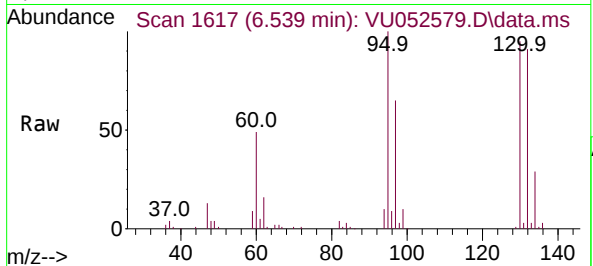


#34
Trichloroethene
Concen: 5.097 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

Tgt Ion: 95 Resp: 75878

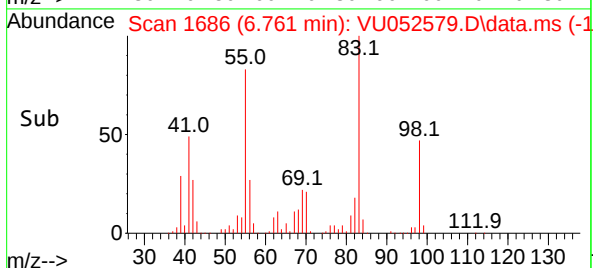
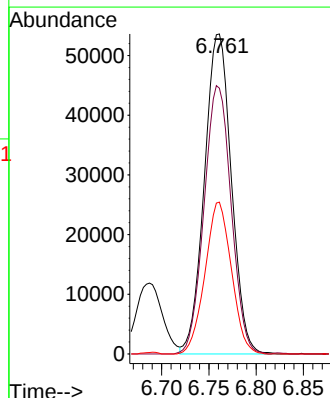
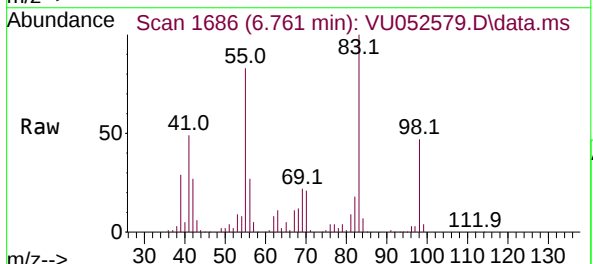
Ion	Ratio	Lower	Upper
95	100		
97	65.2	46.3	86.1
132	91.4	63.9	118.7
130	94.8	65.9	122.5

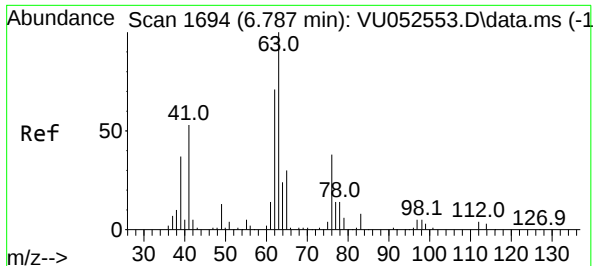


#35
Methylcyclohexane
Concen: 4.745 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 83 Resp: 106531

Ion	Ratio	Lower	Upper
83	100		
55	84.1	71.4	107.0
98	46.3	36.5	54.7





#37

1,2-Dichloropropane

Concen: 5.258 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

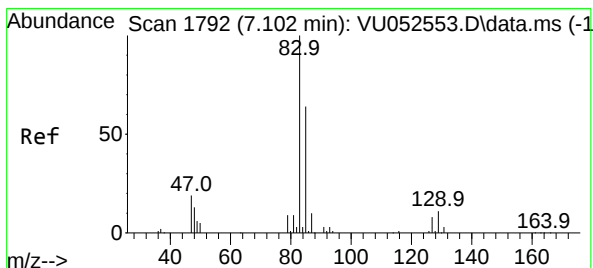
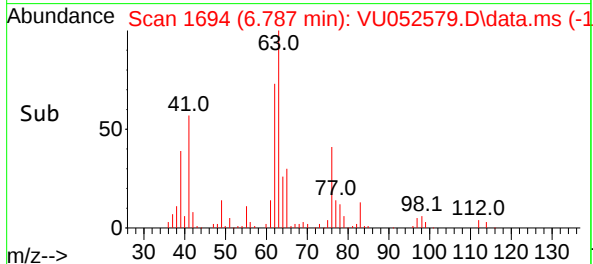
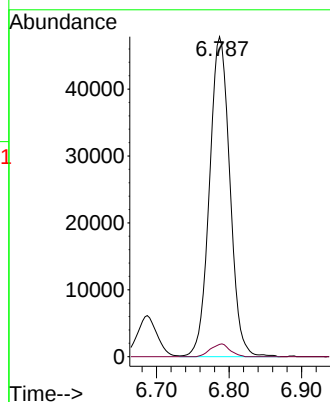
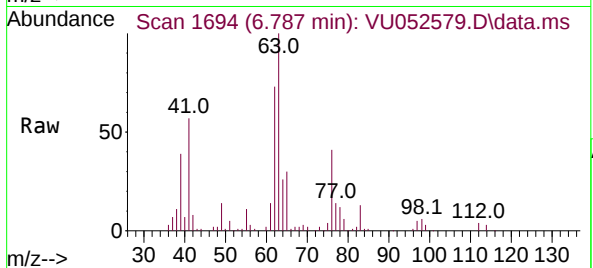
VSTD005119

Tgt Ion: 63 Resp: 93433

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 4.992 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

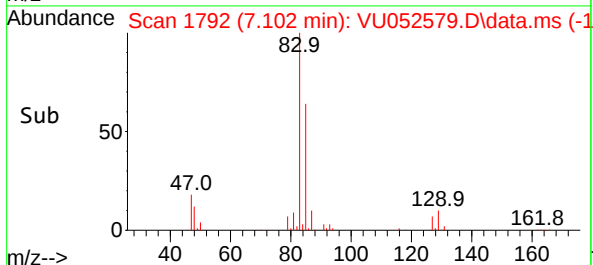
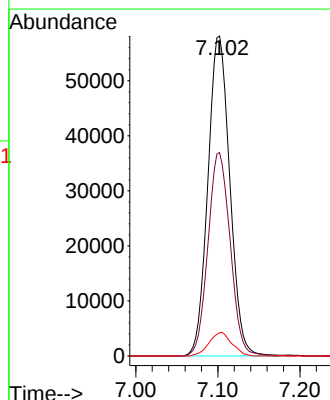
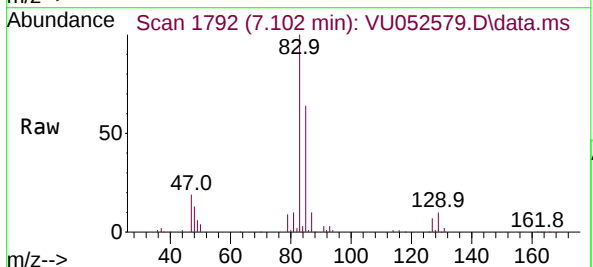
Tgt Ion: 83 Resp: 107967

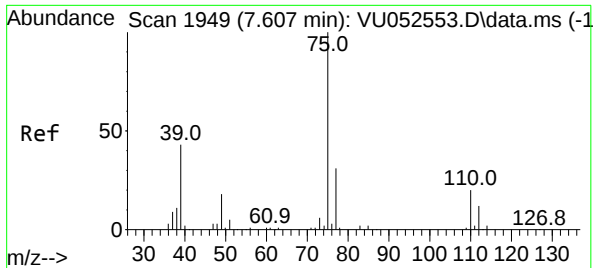
Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 7.3 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.431 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

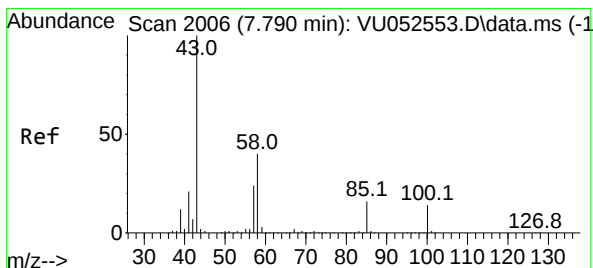
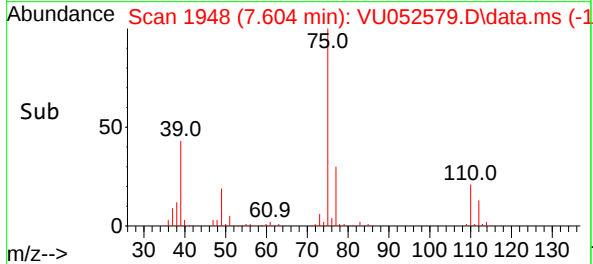
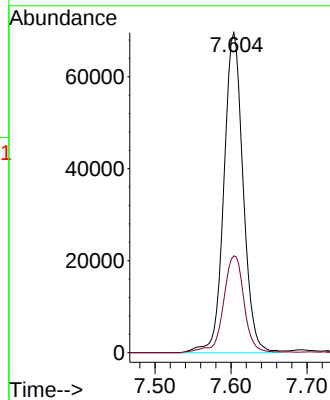
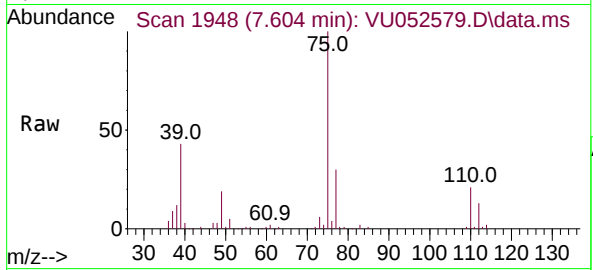
VSTD005119

Tgt Ion: 75 Resp: 122222

Ion Ratio Lower Upper

75 100

77 30.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 56.458 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

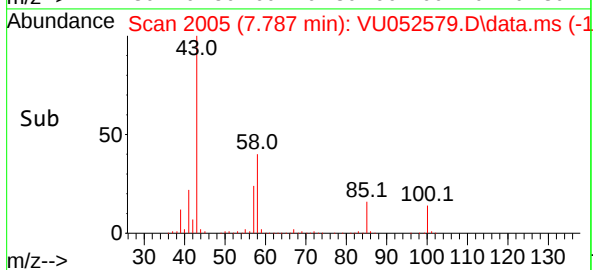
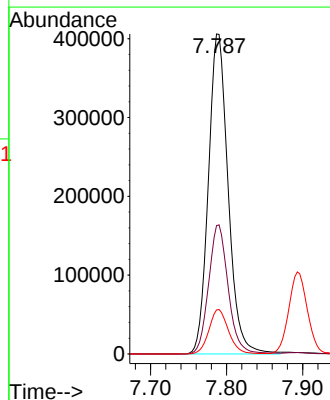
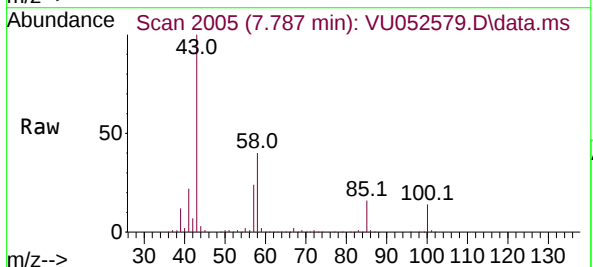
Tgt Ion: 43 Resp: 733141

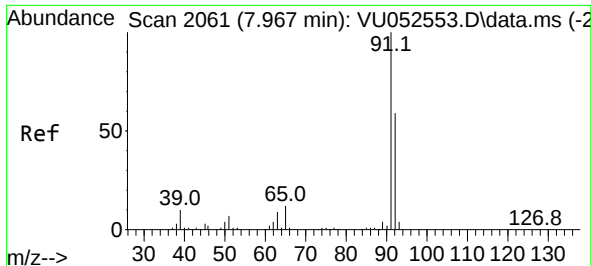
Ion Ratio Lower Upper

43 100

58 40.0 30.6 45.8

100 13.8 10.4 15.6





#42

Toluene

Concen: 5.422 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

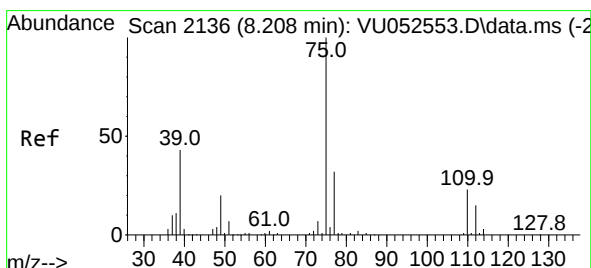
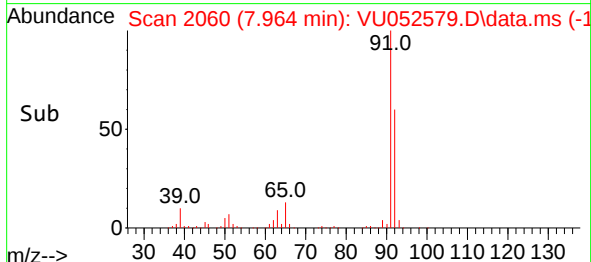
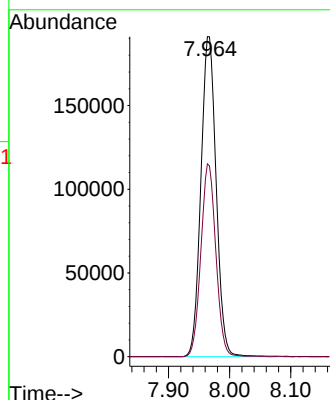
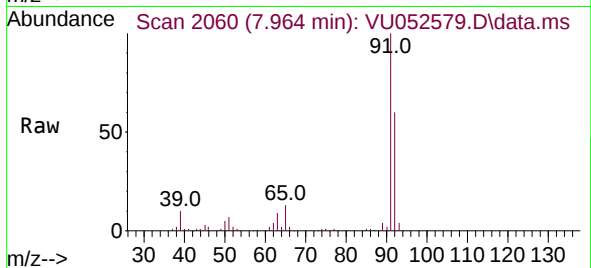
VSTD005119

Tgt Ion: 91 Resp: 331039

Ion Ratio Lower Upper

91 100

92 60.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.520 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU052579.D

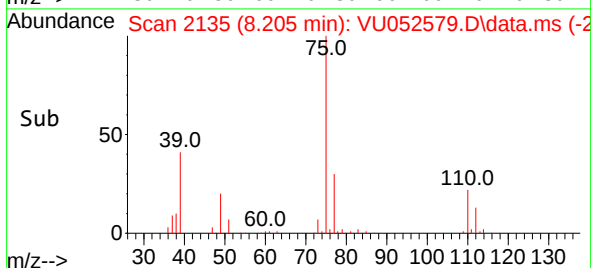
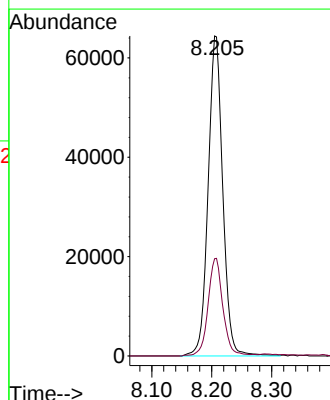
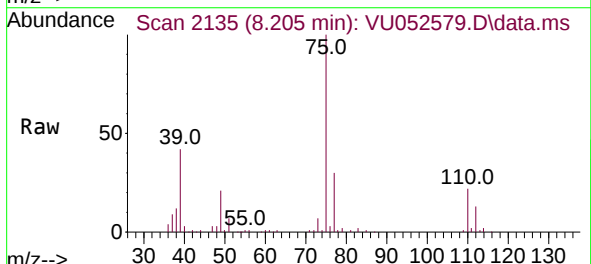
Acq: 27 Dec 2022 20:54

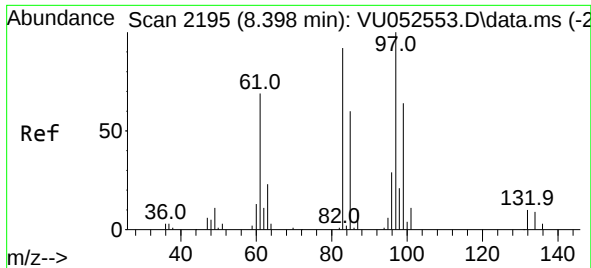
Tgt Ion: 75 Resp: 109472

Ion Ratio Lower Upper

75 100

77 30.4 22.8 42.4



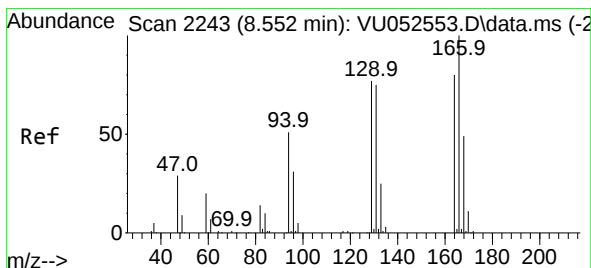
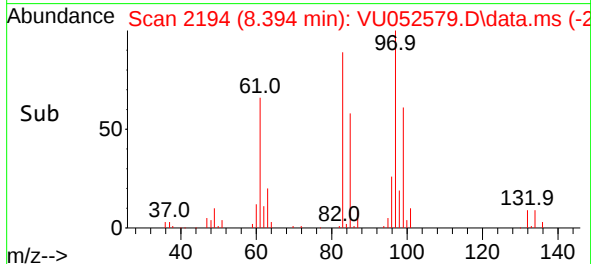
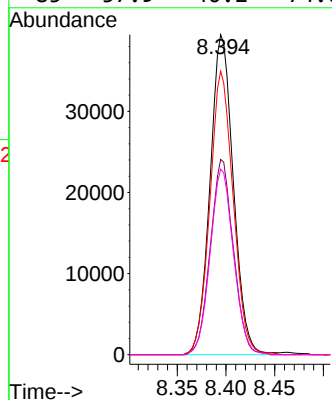
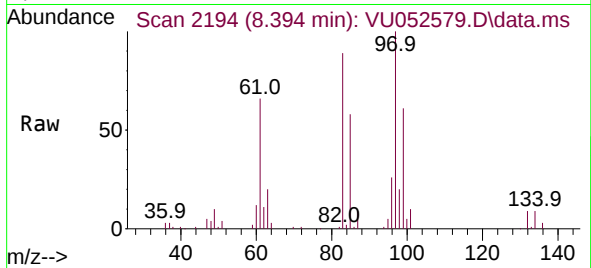


#45
1,1,2-Trichloroethane
Concen: 5.224 ug/L
RT: 8.394 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

Tgt Ion: 97 Resp: 65752

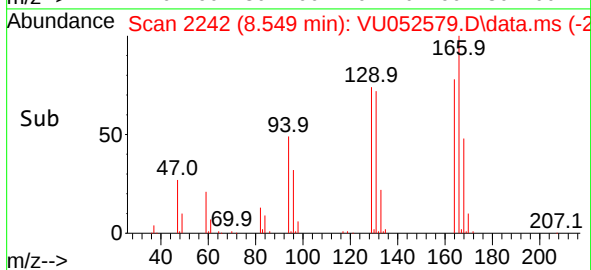
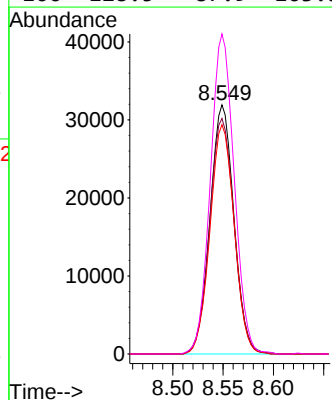
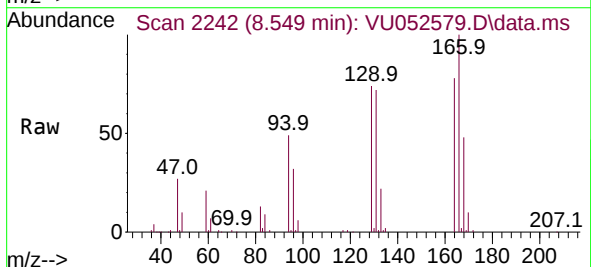
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.0	78.0
83	88.6	63.2	117.4
85	57.9	40.2	74.6

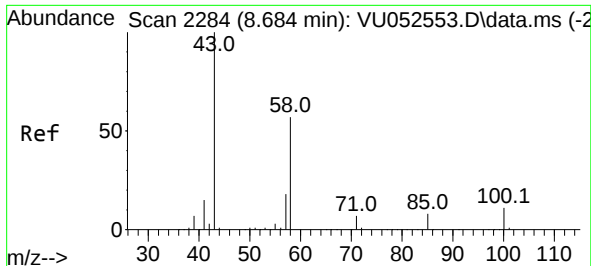


#47
Tetrachloroethene
Concen: 5.097 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 164 Resp: 52965

Ion	Ratio	Lower	Upper
164	100		
129	94.5	68.1	126.5
131	92.1	66.5	123.5
166	128.5	87.9	163.3

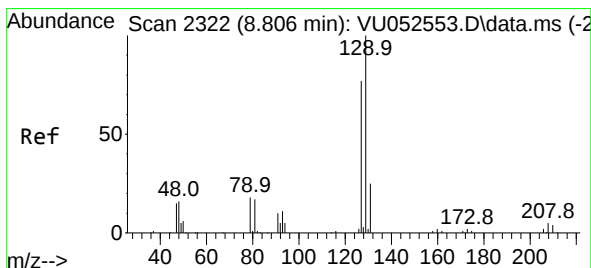
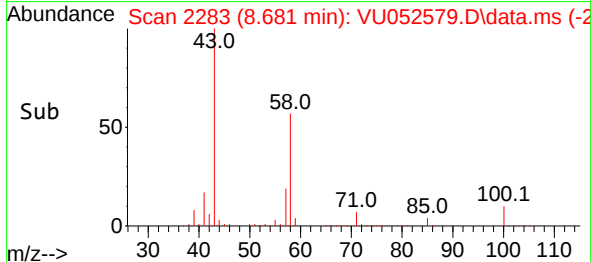
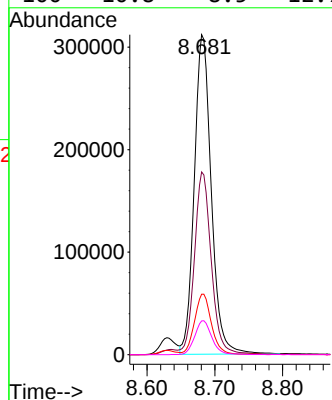
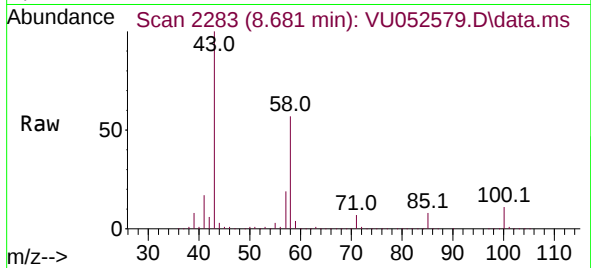




#48
2-Hexanone
Concen: 55.556 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

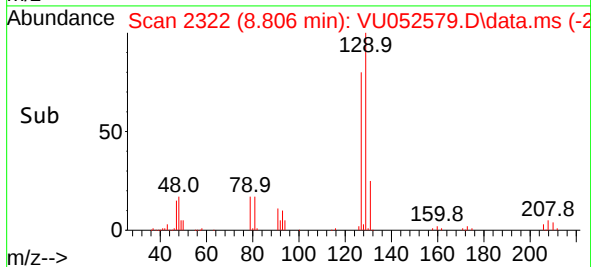
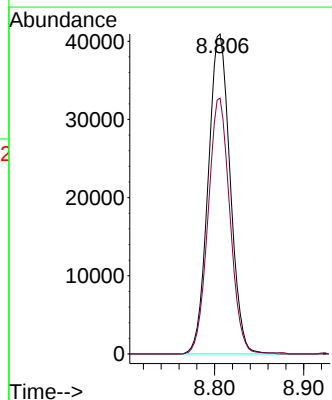
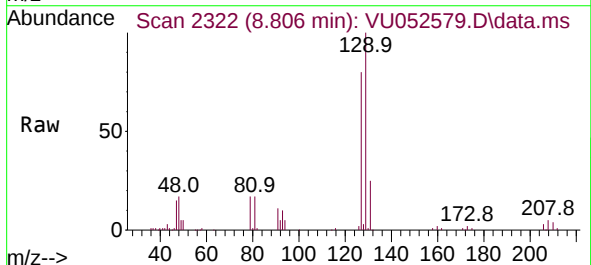
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

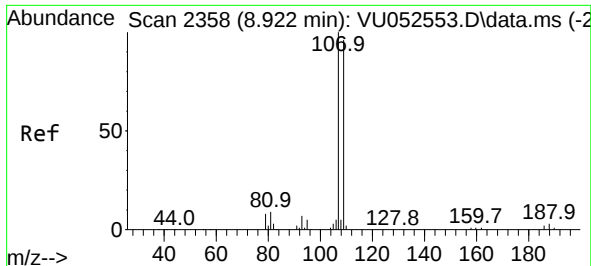
Tgt Ion: 43 Resp: 543798
Ion Ratio Lower Upper
43 100
58 56.6 44.1 66.1
57 18.6 14.6 21.8
100 10.8 8.5 12.7



#49
Dibromochloromethane
Concen: 5.257 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion: 129 Resp: 70060
Ion Ratio Lower Upper
129 100
127 79.9 54.2 100.6





#50

1,2-Dibromoethane

Concen: 5.154 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005119

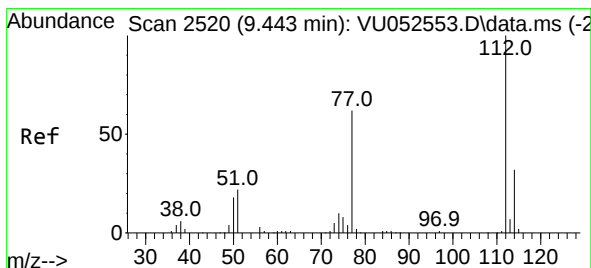
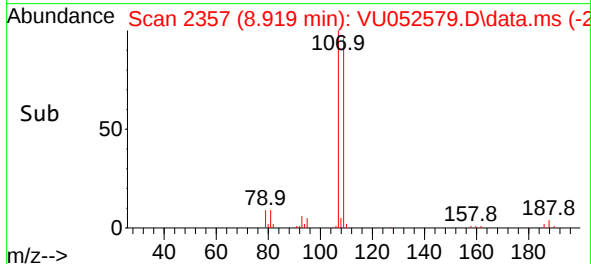
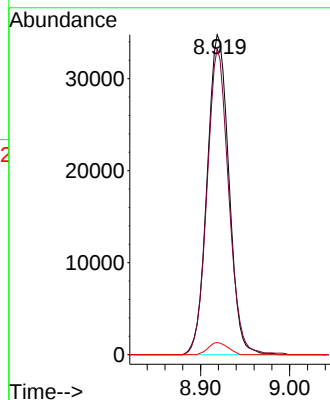
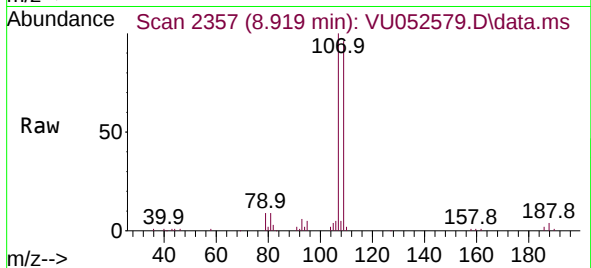
Tgt Ion:107 Resp: 58967

Ion Ratio Lower Upper

107 100

109 95.8 65.8 122.2

188 3.8 2.3 3.5#



#51

Chlorobenzene

Concen: 5.279 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

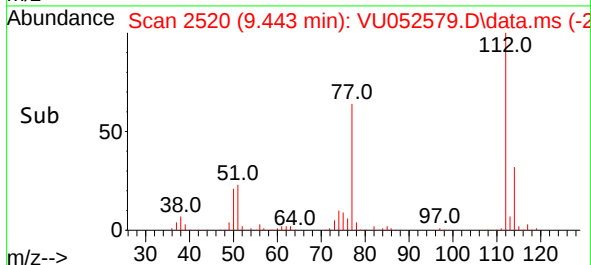
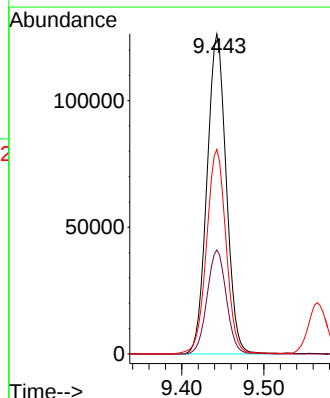
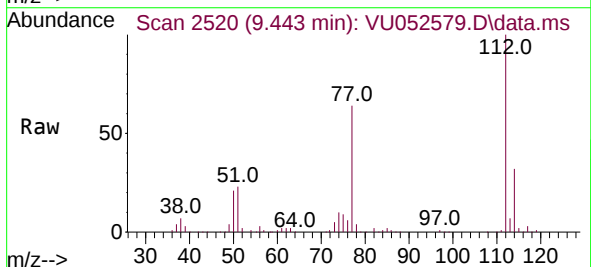
Tgt Ion:112 Resp: 205828

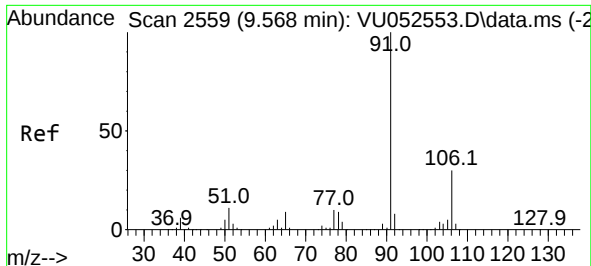
Ion Ratio Lower Upper

112 100

114 32.5 21.3 39.5

77 63.9 51.0 76.6





#52

Ethylbenzene

Concen: 5.422 ug/L

RT: 9.565 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

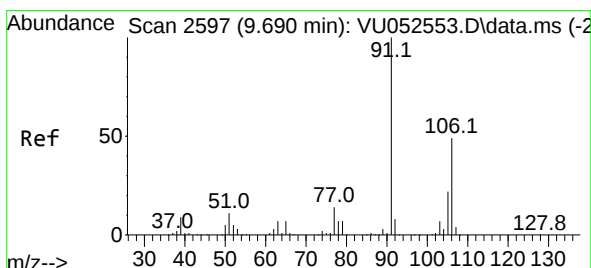
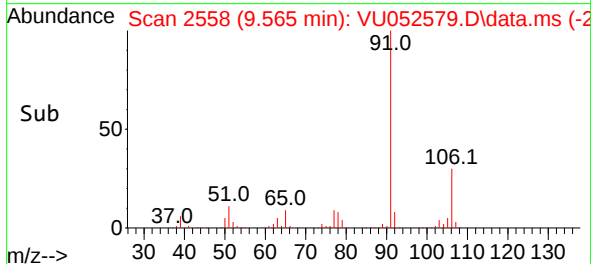
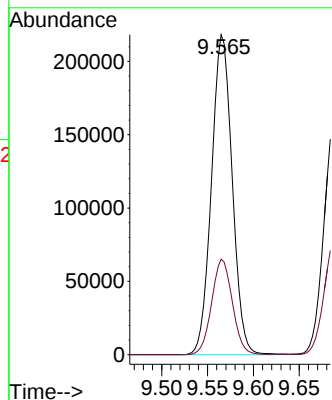
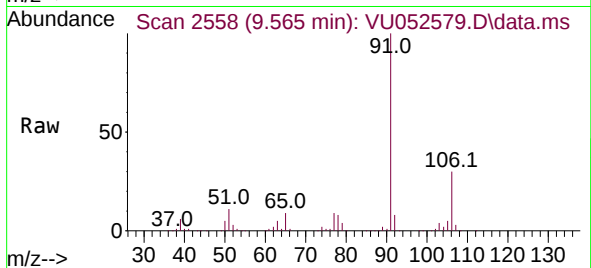
VSTD005119

Tgt Ion: 91 Resp: 342585

Ion Ratio Lower Upper

91 100

106 29.9 20.9 38.7



#53

m,p-Xylene

Concen: 5.626 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. 0.000 min

Lab File: VU052579.D

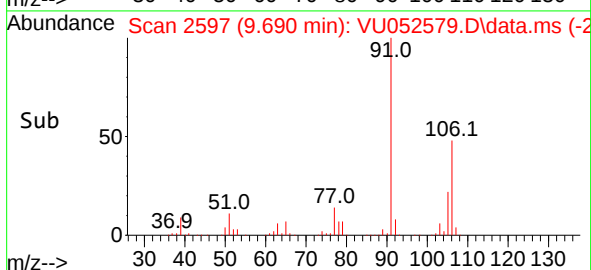
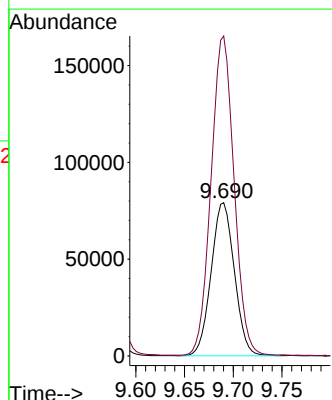
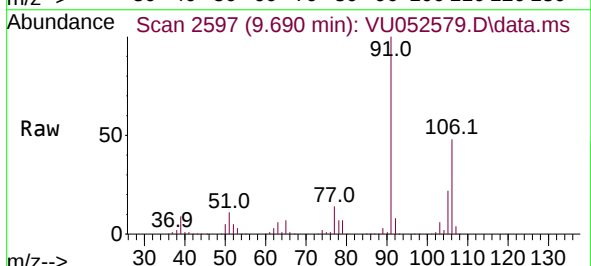
Acq: 27 Dec 2022 20:54

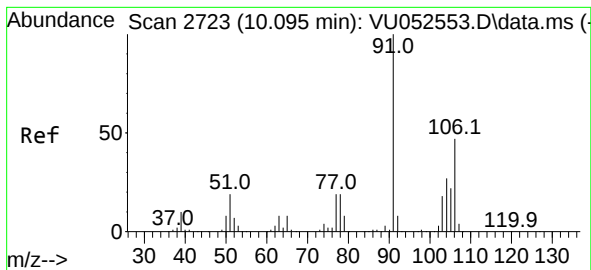
Tgt Ion:106 Resp: 131095

Ion Ratio Lower Upper

106 100

91 208.8 148.2 275.2





#54

o-Xylene

Concen: 5.719 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

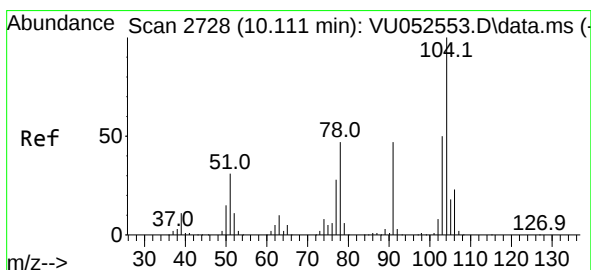
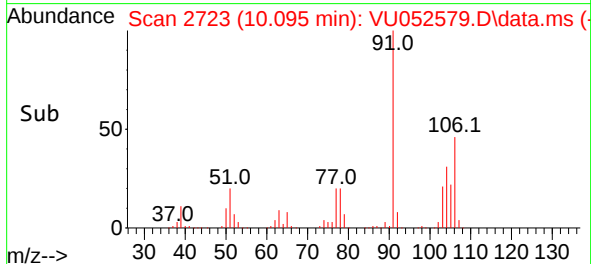
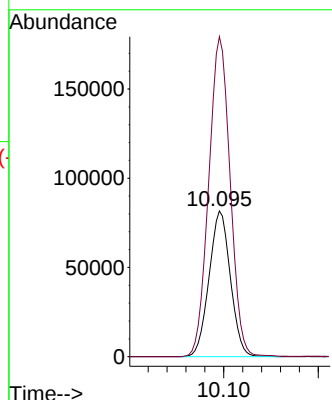
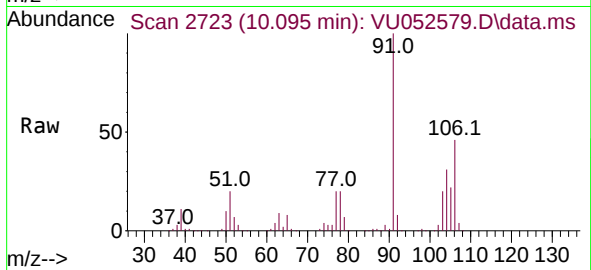
VSTD005119

Tgt Ion:106 Resp: 127739

Ion Ratio Lower Upper

106 100

91 219.6 153.2 284.4



#55

Styrene

Concen: 5.818 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU052579.D

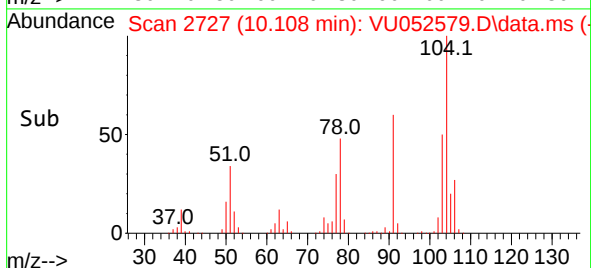
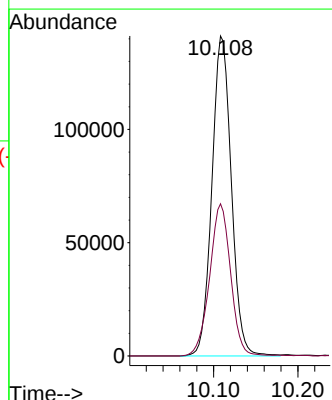
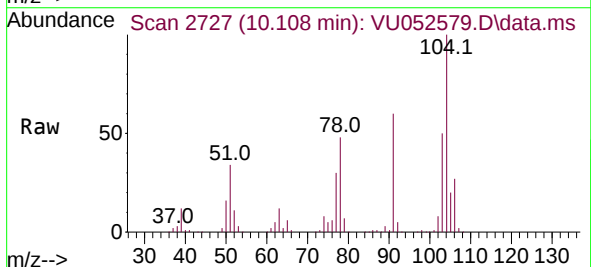
Acq: 27 Dec 2022 20:54

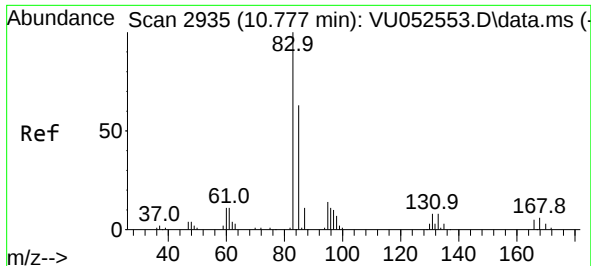
Tgt Ion:104 Resp: 226070

Ion Ratio Lower Upper

104 100

78 47.5 33.4 62.0

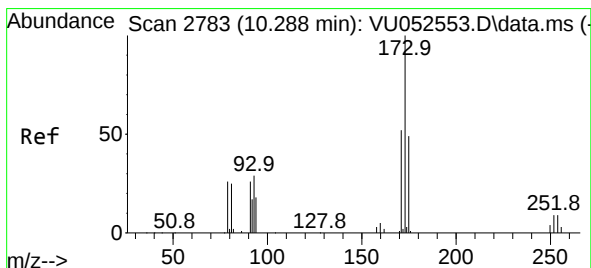
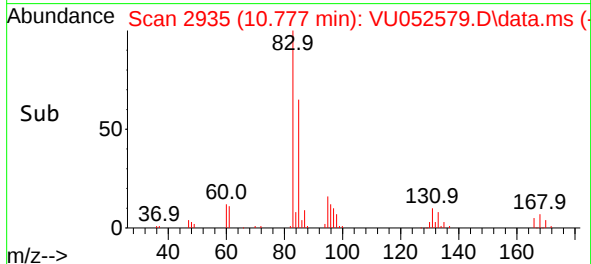
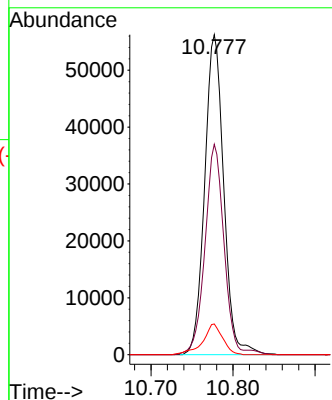
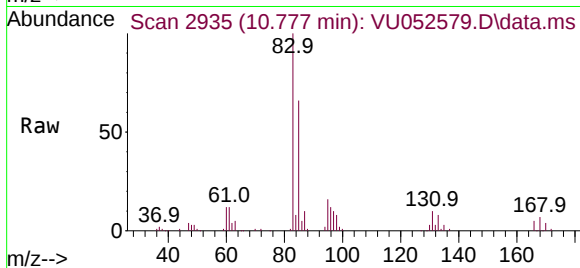




#57
1,1,2,2-Tetrachloroethane
Concen: 5.211 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

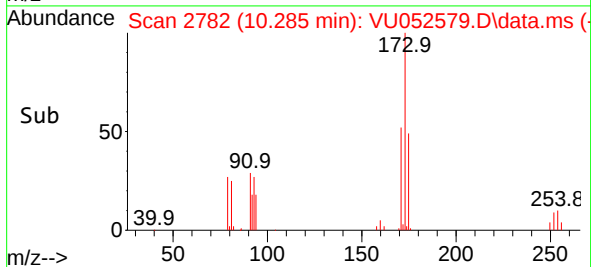
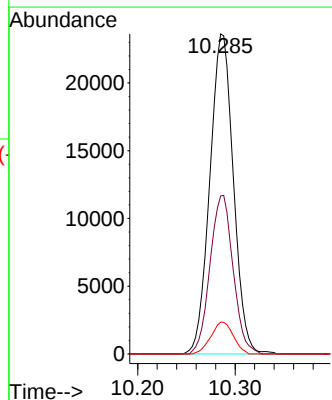
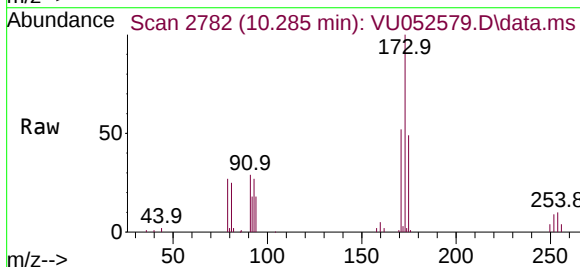
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

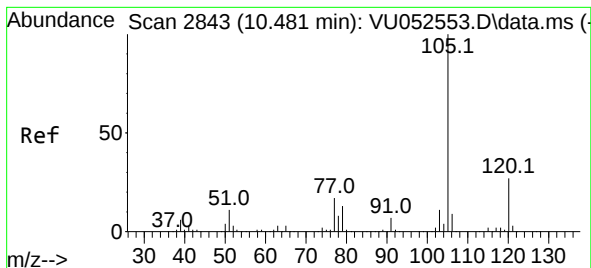
Tgt Ion: 83 Resp: 90665
Ion Ratio Lower Upper
83 100
85 65.8 44.7 83.1
131 9.6 6.0 9.0#



#59
Bromoform
Concen: 4.880 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion:173 Resp: 39634
Ion Ratio Lower Upper
173 100
175 48.5 38.9 58.3
254 9.5 7.0 10.6





#60

Isopropylbenzene

Concen: 5.493 ug/L

RT: 10.478 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005119

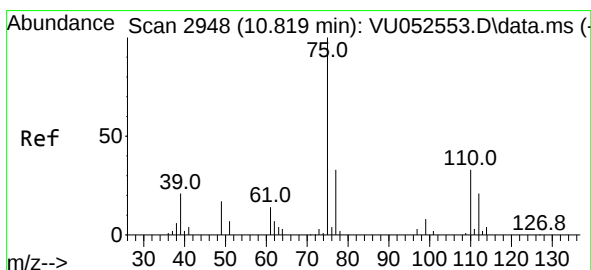
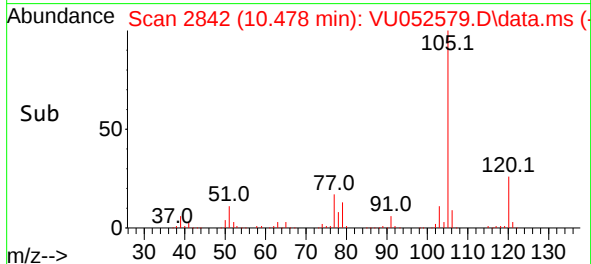
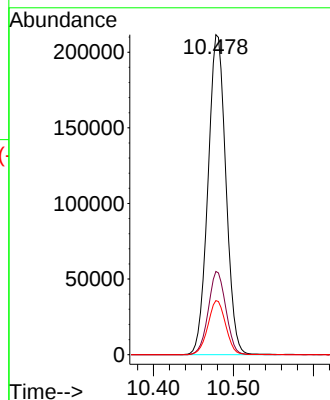
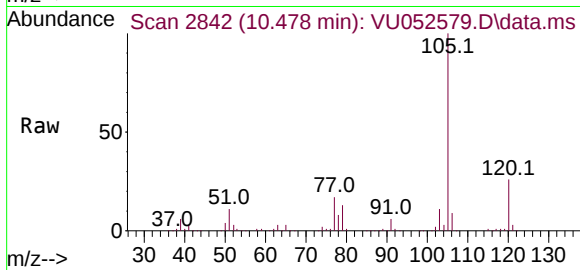
Tgt Ion:105 Resp: 329120

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

77 16.7 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 4.878 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

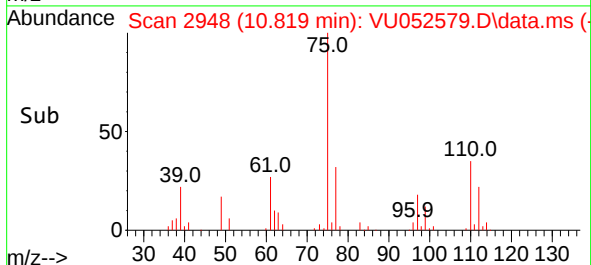
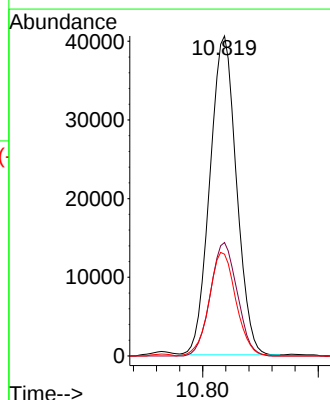
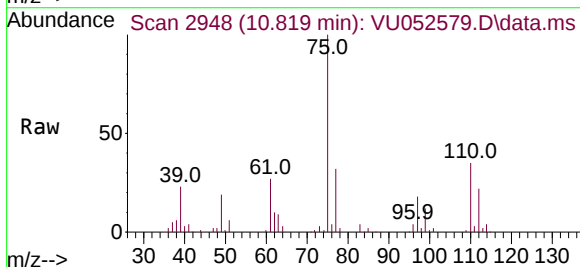
Tgt Ion: 75 Resp: 64678

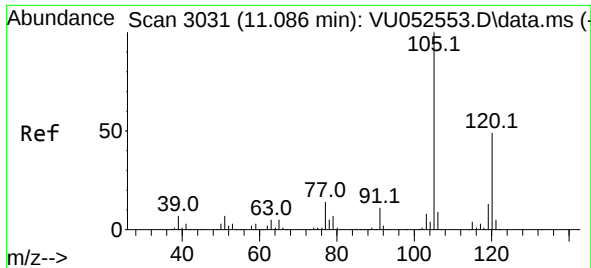
Ion Ratio Lower Upper

75 100

110 35.9 27.9 41.9

77 32.9 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 5.514 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

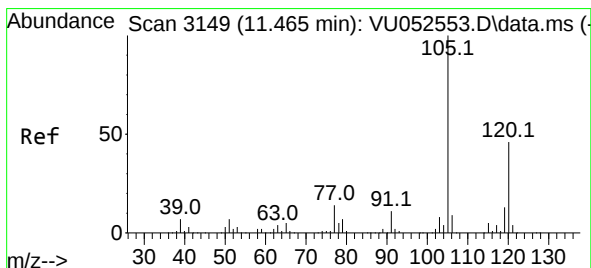
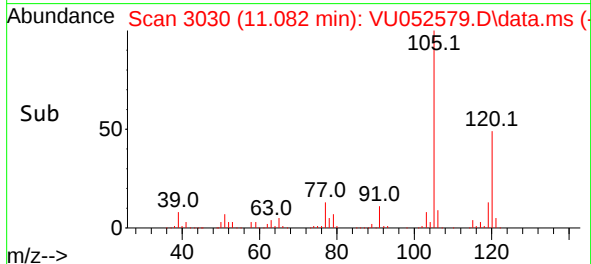
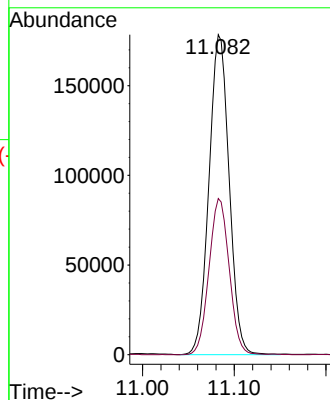
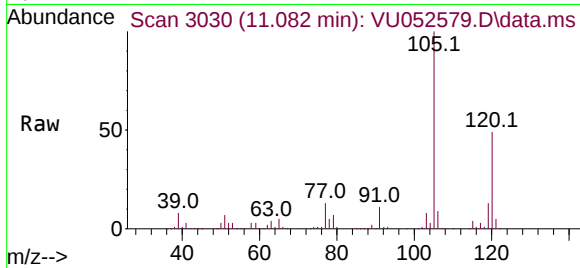
VSTD005119

Tgt Ion:105 Resp: 272483

Ion Ratio Lower Upper

105 100

120 48.8 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.667 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052579.D

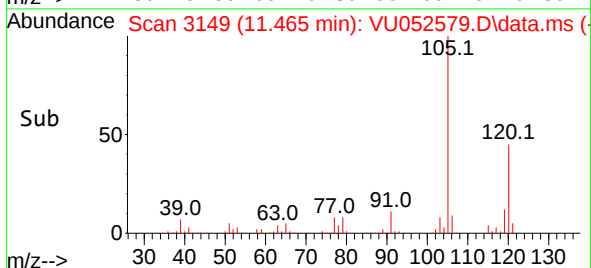
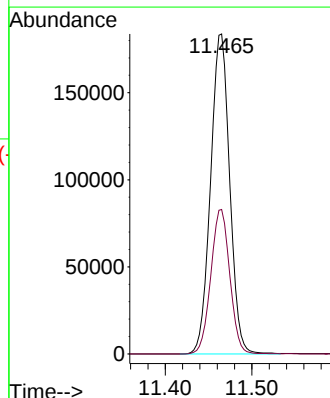
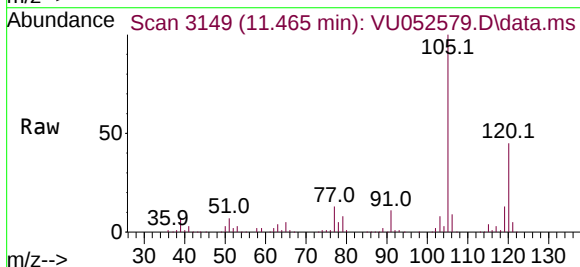
Acq: 27 Dec 2022 20:54

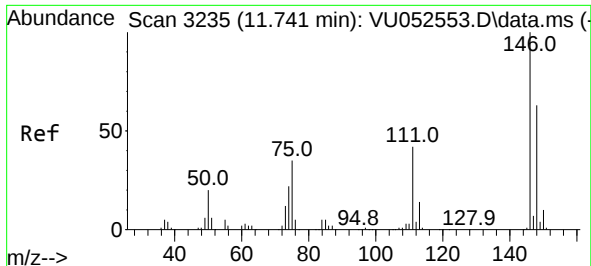
Tgt Ion:105 Resp: 281878

Ion Ratio Lower Upper

105 100

120 44.9 35.6 53.4

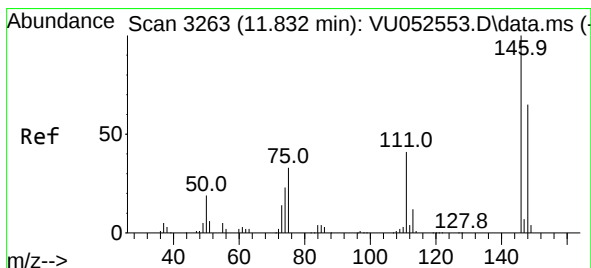
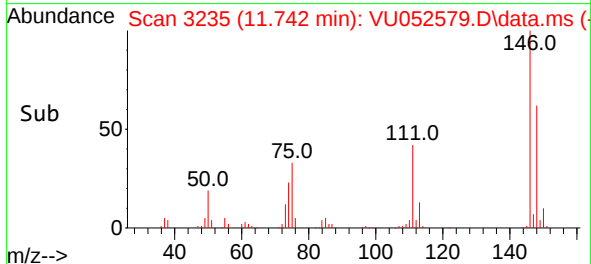
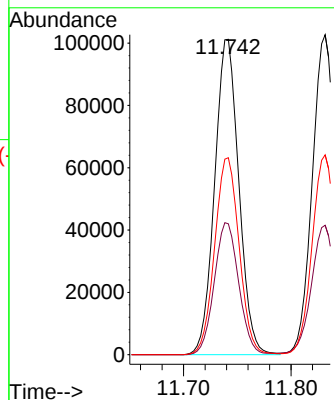
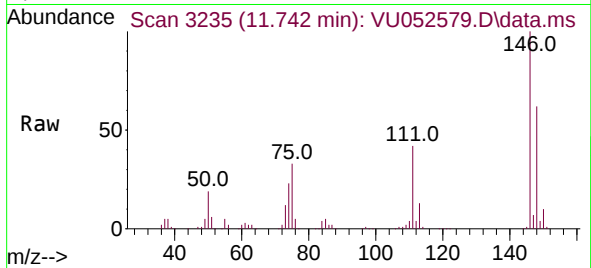




#64
1,3-Dichlorobenzene
Concen: 5.327 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

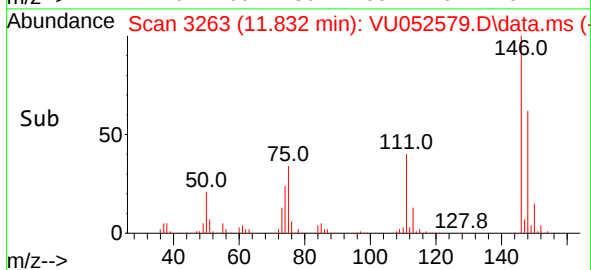
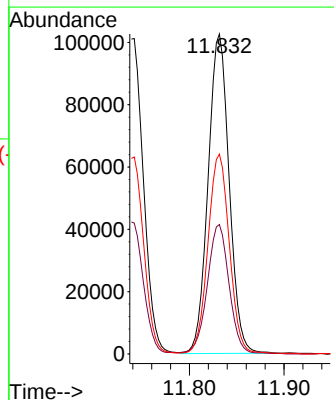
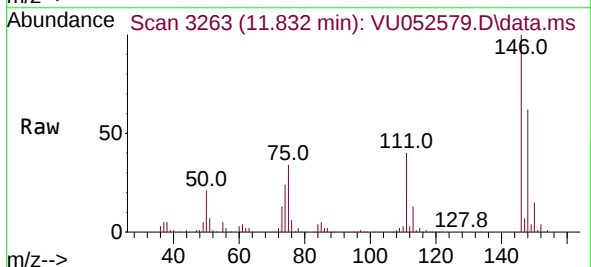
Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

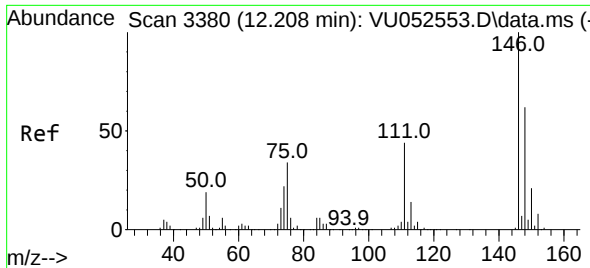
Tgt Ion:146 Resp: 158362
Ion Ratio Lower Upper
146 100
111 41.5 29.9 55.5
148 62.5 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.159 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion:146 Resp: 158590
Ion Ratio Lower Upper
146 100
111 40.4 27.5 51.1
148 62.4 44.9 83.3

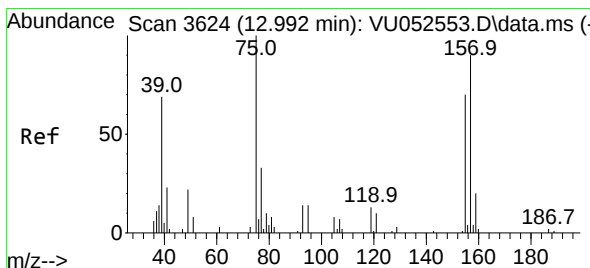
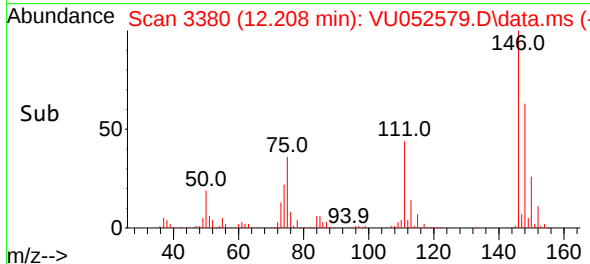
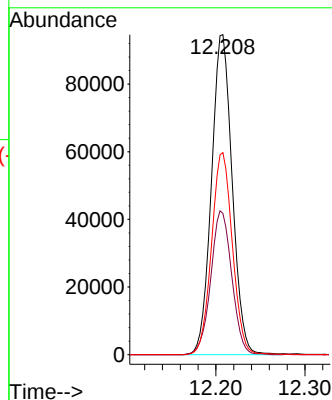
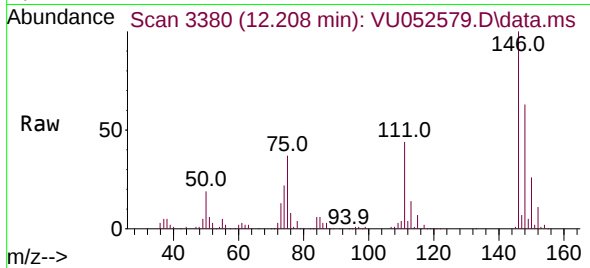




#67
 1,2-Dichlorobenzene
 Concen: 5.203 ug/L
 RT: 12.208 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU052579.D
 Acq: 27 Dec 2022 20:54

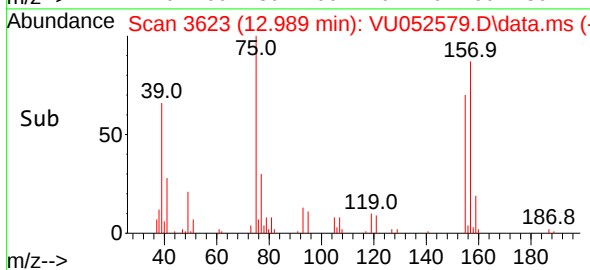
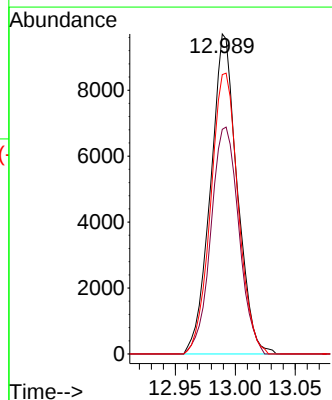
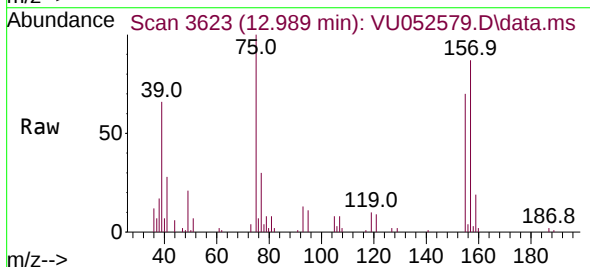
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005119

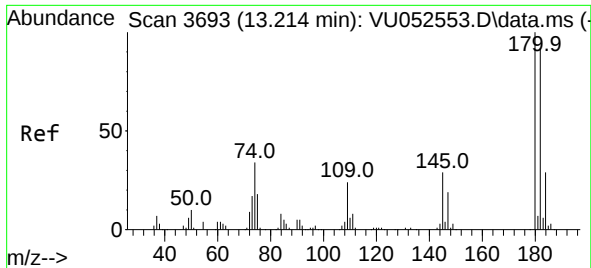
Tgt Ion:146 Resp: 152841
 Ion Ratio Lower Upper
 146 100
 111 44.1 36.6 55.0
 148 63.1 50.5 75.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.995 ug/L
 RT: 12.989 min Scan# 3623
 Delta R.T. -0.003 min
 Lab File: VU052579.D
 Acq: 27 Dec 2022 20:54

Tgt Ion: 75 Resp: 14991
 Ion Ratio Lower Upper
 75 100
 155 70.2 62.2 93.2
 157 87.3 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 5.153 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD005119

Tgt Ion:180 Resp: 112797

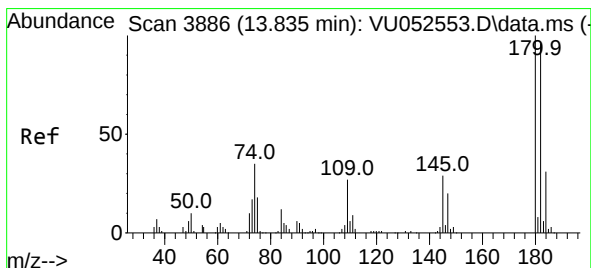
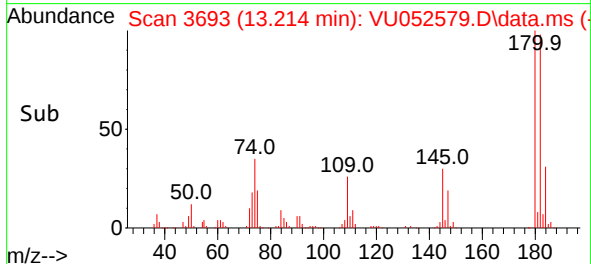
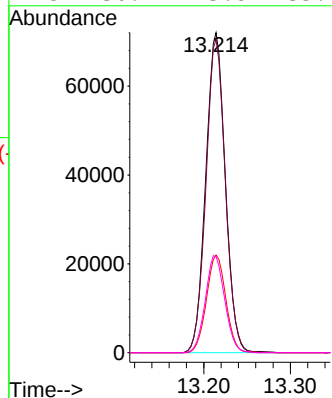
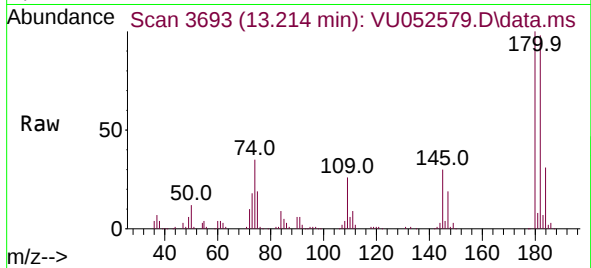
Ion Ratio Lower Upper

180 100

182 97.1 75.8 113.8

184 30.3 23.4 35.0

145 30.2 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 5.354 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052579.D

Acq: 27 Dec 2022 20:54

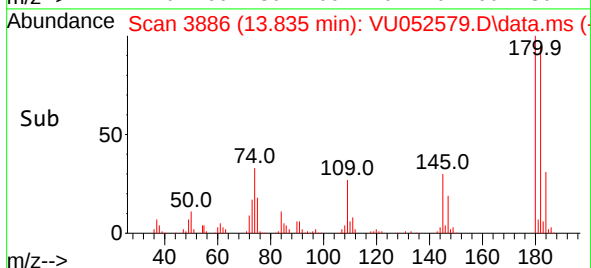
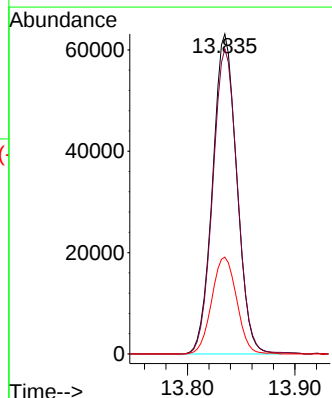
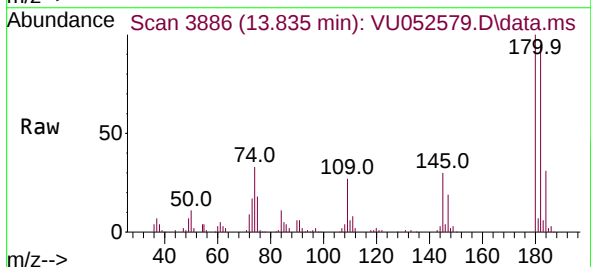
Tgt Ion:180 Resp: 98614

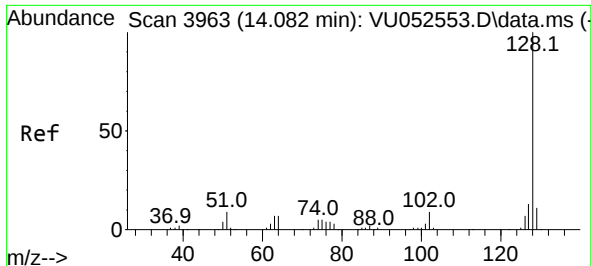
Ion Ratio Lower Upper

180 100

182 97.2 77.7 116.5

145 31.2 24.0 36.0

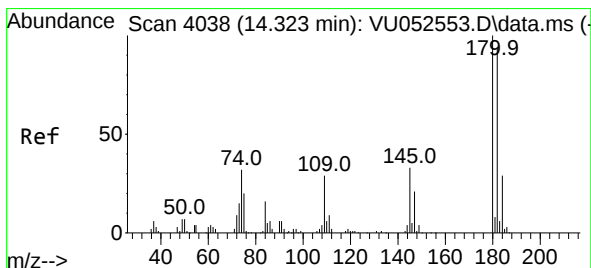
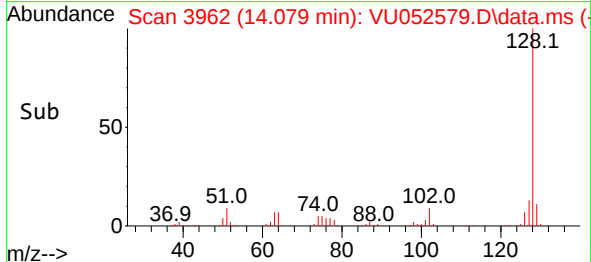
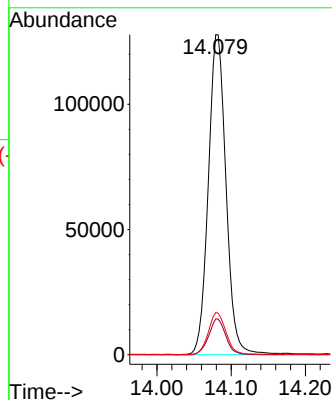
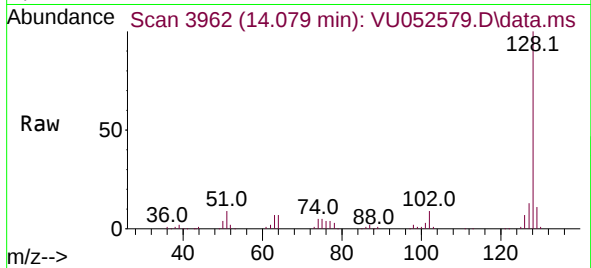




#71
Naphthalene
Concen: 5.664 ug/L
RT: 14.079 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD005119

Tgt Ion:128 Resp: 211071
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.3 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.380 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052579.D
Acq: 27 Dec 2022 20:54

Tgt Ion:180 Resp: 99317
Ion Ratio Lower Upper
180 100
182 95.1 76.3 114.5
145 32.3 25.8 38.8

