

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032123\
 Data File : VU053314.D
 Acq On : 21 Mar 2023 10:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050169

Quant Time: Mar 22 02:58:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 21 01:25:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	118078	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	109914	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	55334	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	45799	42.043	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.080%
7) Chloroethane-d5	1.912	69	42892	48.678	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.360%
11) 1,1-Dichloroethene-d2	2.568	63	76992	40.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.600%
21) 2-Butanone-d5	4.620	46	50835	100.616	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.620%
24) Chloroform-d	5.060	84	78765	43.900	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.697	65	53025	47.587	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.180%
32) Benzene-d6	5.722	84	159184	44.651	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.300%
36) 1,2-Dichloropropane-d6	6.684	67	54014	46.943	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.880%
41) Toluene-d8	7.893	98	148986	44.886	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.780%
43) trans-1,3-Dichloroprop...	8.176	79	25888	45.602	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.200%
47) 2-Hexanone-d5	8.626	63	33956	94.394	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.390%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	74800	50.183	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.360%
66) 1,2-Dichlorobenzene-d4	12.188	152	51580	48.142	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	47113	38.226	ug/L	98
3) Chloromethane	1.520	50	43380	38.197	ug/L	99
5) Vinyl chloride	1.604	62	48376	38.939	ug/L	98
6) Bromomethane	1.858	94	34050	45.596	ug/L	94
8) Chloroethane	1.935	64	33410	45.528	ug/L	98
9) Trichlorofluoromethane	2.137	101	61104	39.420	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	36816	39.264	ug/L	97
12) 1,1-Dichloroethene	2.581	96	32734	37.749	ug/L	97
13) Acetone	2.629	43	48705	84.642	ug/L	96
14) Carbon disulfide	2.793	76	98073	37.340	ug/L	99
15) Methyl Acetate	2.944	43	35427	44.917	ug/L	100
16) Methylene chloride	3.044	84	39428	37.479	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	34542	39.259	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	123958	41.898	ug/L	98
19) 1,1-Dichloroethane	3.864	63	73981	41.192	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	42328	40.959	ug/L	94
22) 2-Butanone	4.700	43	60142	91.741	ug/L	99
23) Bromochloromethane	4.973	128	19778	40.138	ug/L	90
25) Chloroform	5.083	83	75166	41.823	ug/L	99

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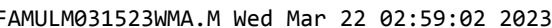
Instrument :
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 ClientSampleId :
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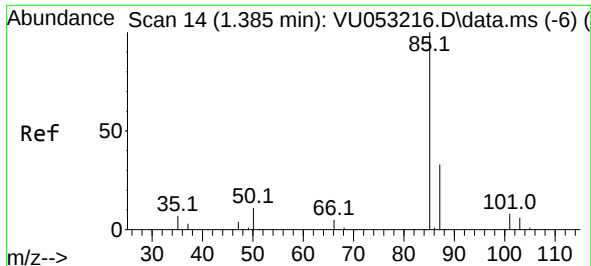
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	60046	42.324	ug/L	99
29) Cyclohexane	5.385	56	67479	41.202	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	62136	41.474	ug/L	98
31) Carbon tetrachloride	5.520	117	50708	41.313	ug/L	99
33) Benzene	5.771	78	170964	44.865	ug/L	100
34) Trichloroethene	6.539	95	42092	42.363	ug/L	98
35) Methylcyclohexane	6.758	83	73176	42.015	ug/L	99
37) 1,2-Dichloropropane	6.787	63	47043	44.249	ug/L	100
38) Bromodichloromethane	7.102	83	56386	42.618	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	75910	43.459	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	107872	98.716	ug/L	98
42) Toluene	7.967	91	181784	44.373	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	70560	44.192	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	43200	44.625	ug/L	99
46) Tetrachloroethene	8.549	164	26603	41.154	ug/L	97
48) 2-Hexanone	8.681	43	88282	96.477	ug/L	99
49) Dibromochloromethane	8.806	129	39723	40.113	ug/L	100
50) 1,2-Dibromoethane	8.918	107	45643	44.249	ug/L	94
51) Chlorobenzene	9.443	112	114691	44.919	ug/L	100
52) Ethylbenzene	9.565	91	205174	44.164	ug/L	100
53) m,p-Xylene	9.690	106	76012	43.837	ug/L	98
54) o-Xylene	10.095	106	74613	43.507	ug/L	96
55) Styrene	10.111	104	128581	44.986	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	74828	47.146	ug/L	98
59) Bromoform	10.288	173	25754	40.899	ug/L	100
60) 1,2,3-Trichloropropane	10.815	75	55997	50.927	ug/L	98
61) Isopropylbenzene	10.481	105	198643	45.435	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	161821	44.715	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	161533	45.792	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	82301	44.885	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	82215	44.664	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	84276	45.986	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	15336	50.439	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	52709	45.341	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	48874	46.790	ug/L	97
71) Naphthalene	14.082	128	179025	50.850	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	46670	47.114	ug/L	100

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

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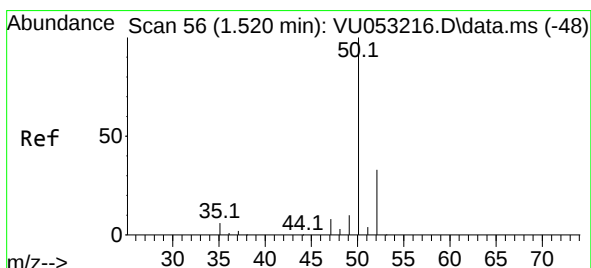
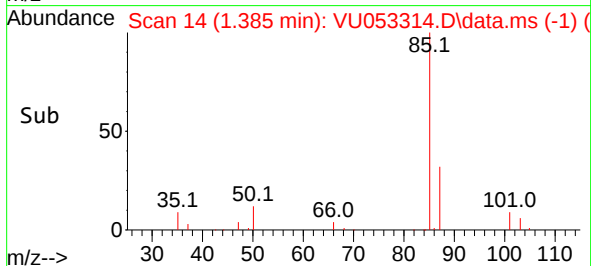
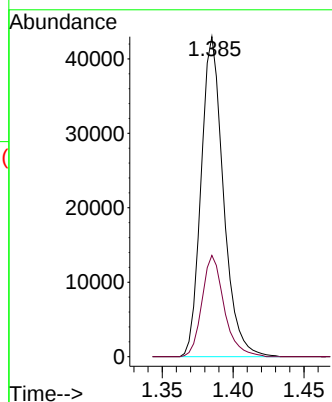
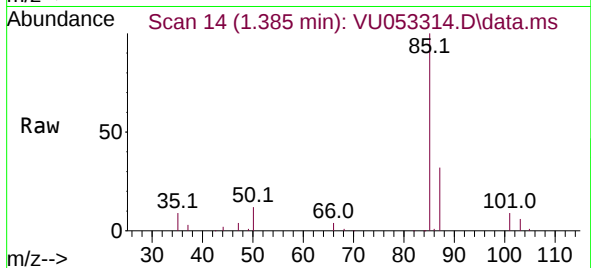




#2
Dichlorodifluoromethane
Concen: 38.226 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

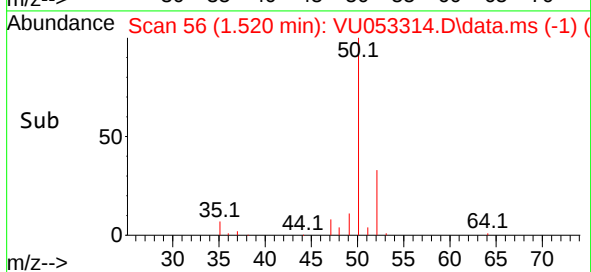
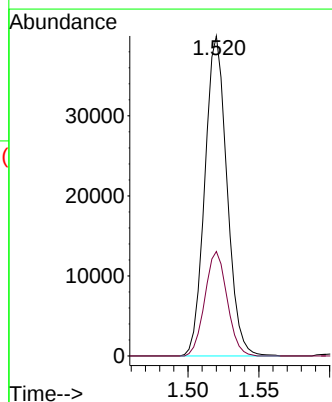
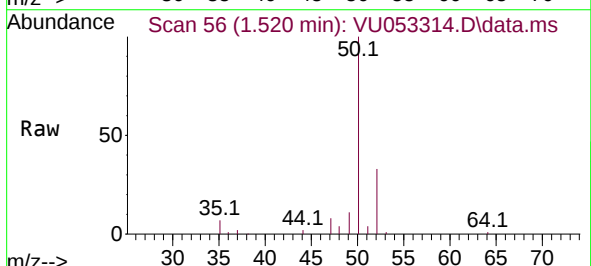
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

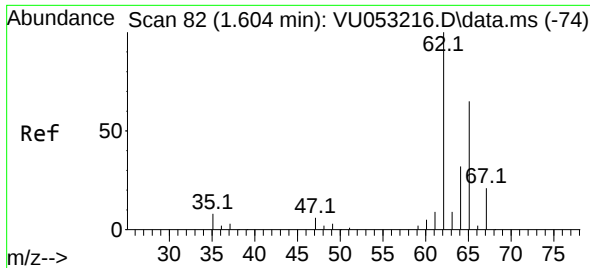
Tgt Ion: 85 Resp: 47113
Ion Ratio Lower Upper
85 100
87 31.4 25.8 38.8



#3
Chloromethane
Concen: 38.197 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion: 50 Resp: 43380
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.4

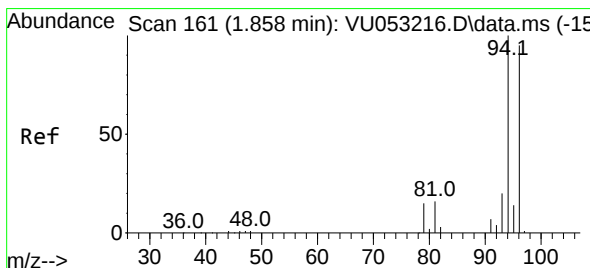
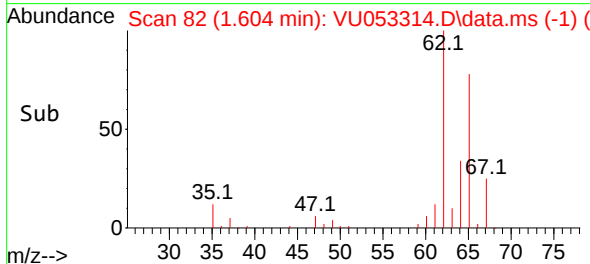
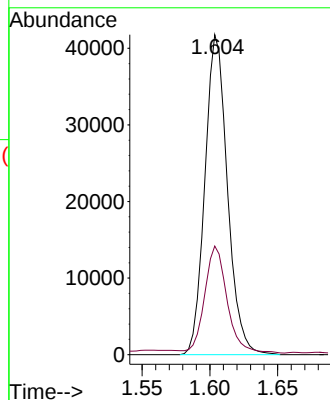
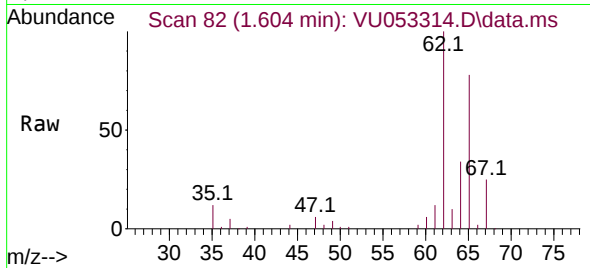




#5
 Vinyl chloride
 Concen: 38.939 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.001 min
 Lab File: VU053314.D
 Acq: 21 Mar 2023 10:41

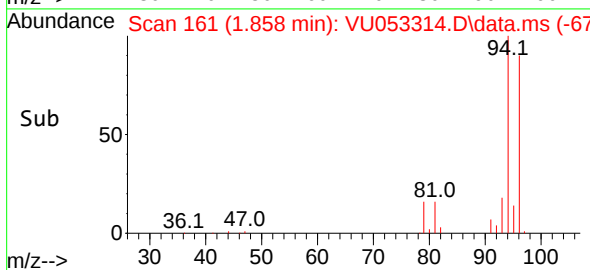
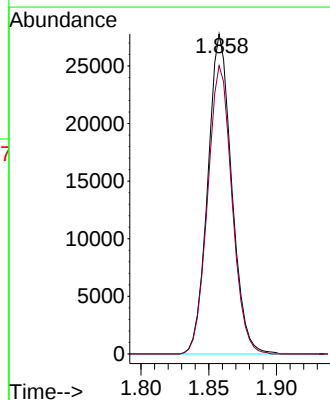
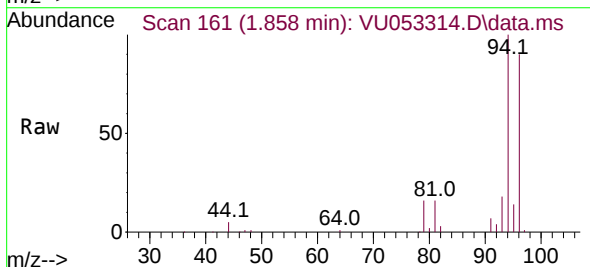
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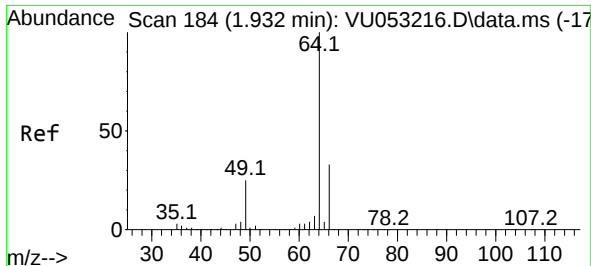
Tgt Ion: 62 Resp: 48376
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.0



#6
 Bromomethane
 Concen: 45.596 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU053314.D
 Acq: 21 Mar 2023 10:41

Tgt Ion: 94 Resp: 34050
 Ion Ratio Lower Upper
 94 100
 96 90.1 67.5 125.3

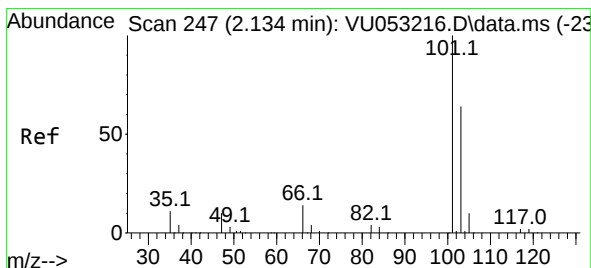
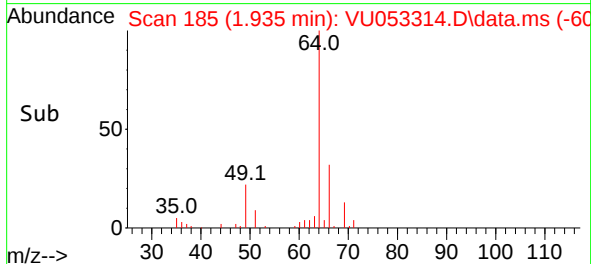
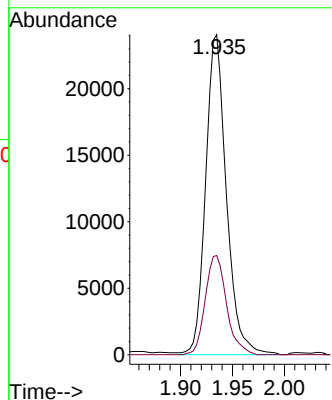
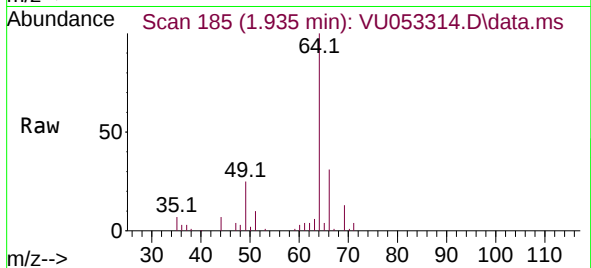




#8
Chloroethane
Concen: 45.528 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

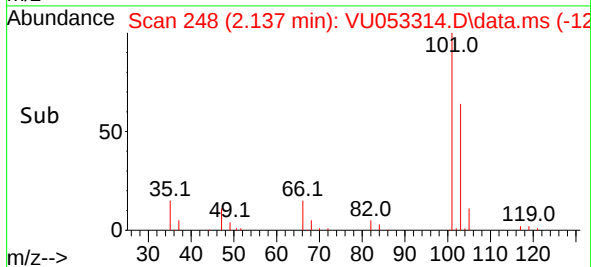
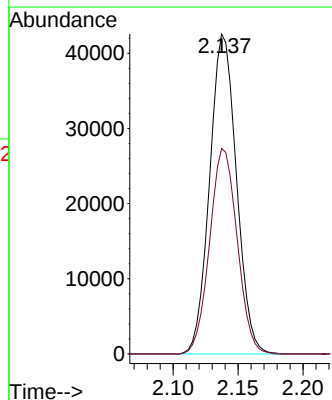
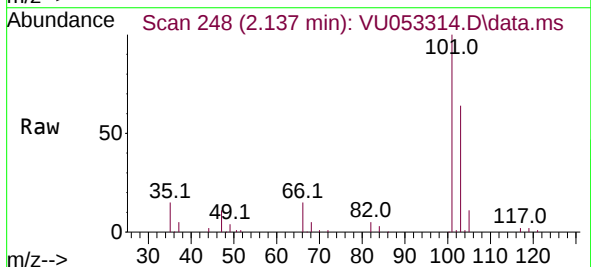
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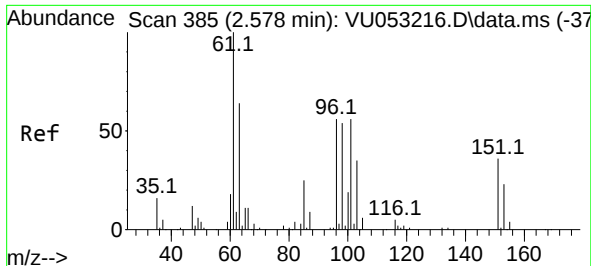
Tgt Ion: 64 Resp: 33410
Ion Ratio Lower Upper
64 100
66 31.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 39.420 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:101 Resp: 61104
Ion Ratio Lower Upper
101 100
103 65.8 52.0 78.0

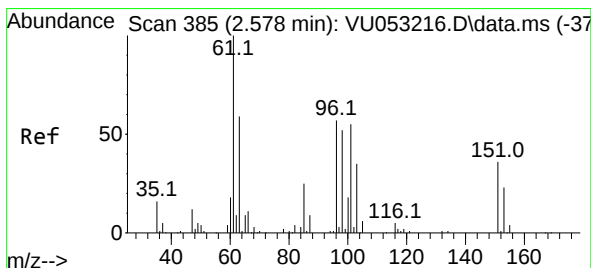
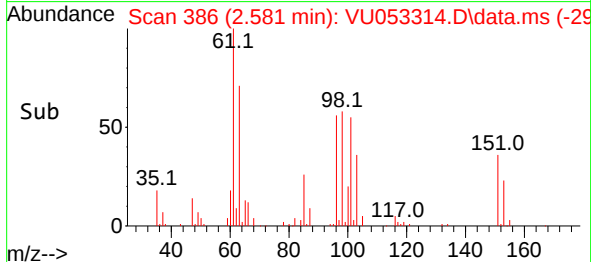
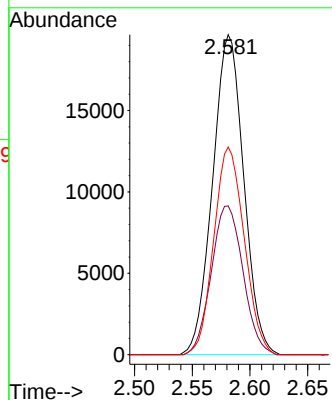
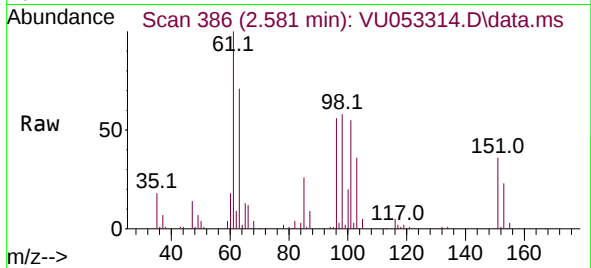




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 39.264 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053314.D
 Acq: 21 Mar 2023 10:41

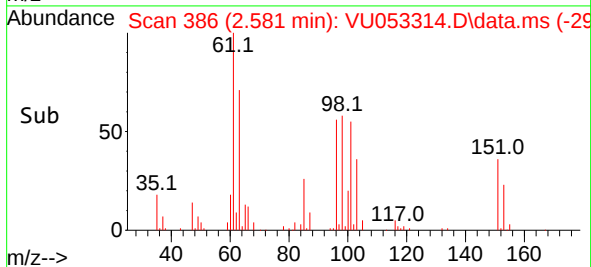
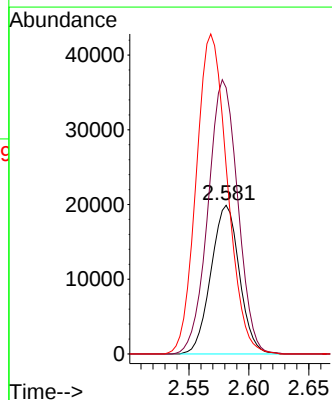
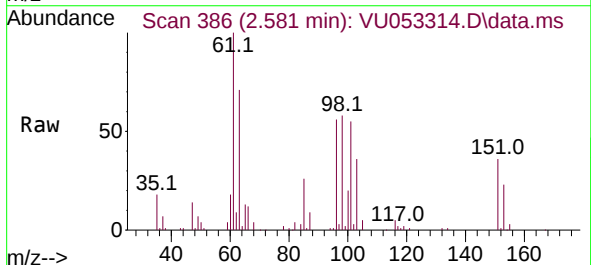
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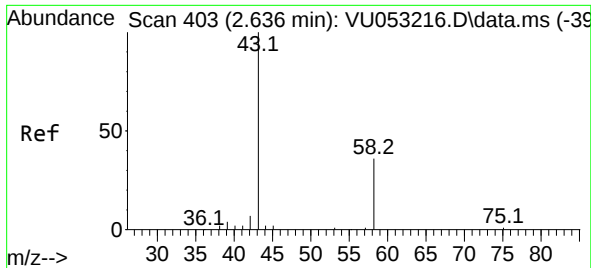
Tgt Ion:101 Resp: 36816
 Ion Ratio Lower Upper
 101 100
 85 47.4 37.0 55.6
 151 63.6 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 37.749 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053314.D
 Acq: 21 Mar 2023 10:41

Tgt Ion: 96 Resp: 32734
 Ion Ratio Lower Upper
 96 100
 61 179.1 122.2 226.9
 63 126.4 89.9 166.9





#13

Acetone

Concen: 84.642 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.016 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

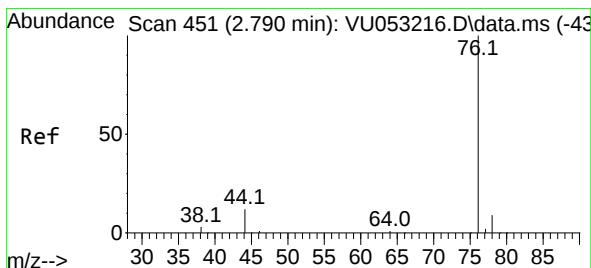
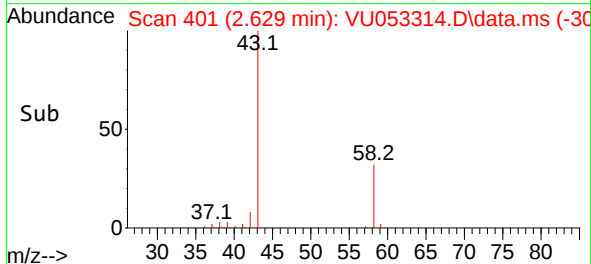
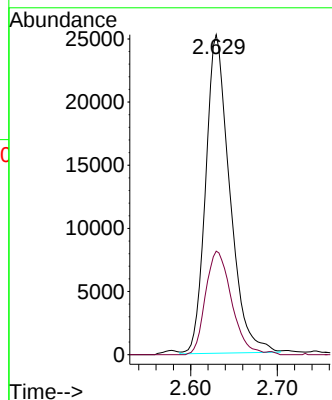
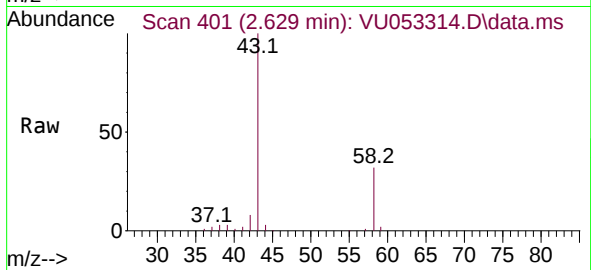
VSTD050169

Tgt Ion: 43 Resp: 48705

Ion Ratio Lower Upper

43 100

58 35.0 0.0 75.0



#14

Carbon disulfide

Concen: 37.340 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU053314.D

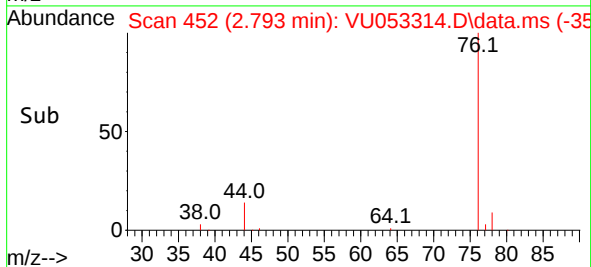
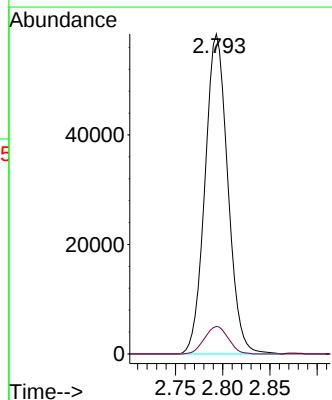
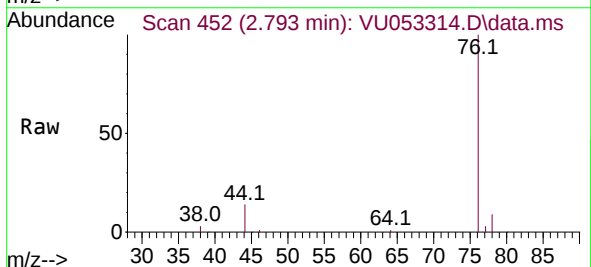
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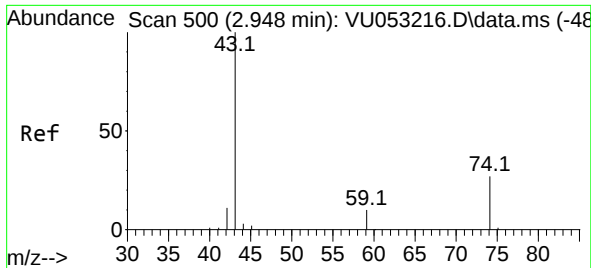
Tgt Ion: 76 Resp: 98073

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6

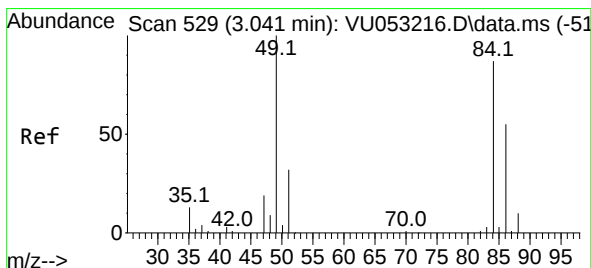
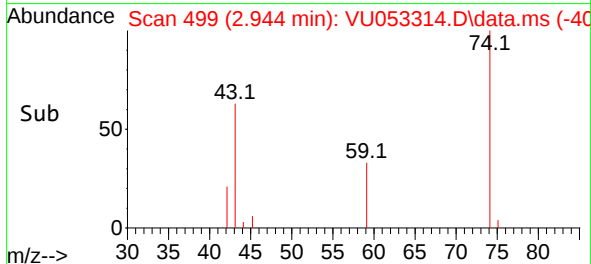
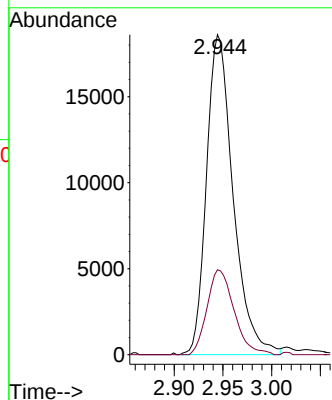
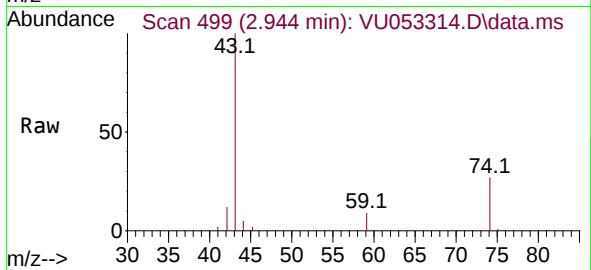




#15
Methyl Acetate
Concen: 44.917 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

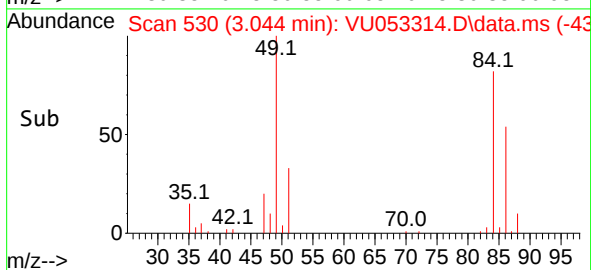
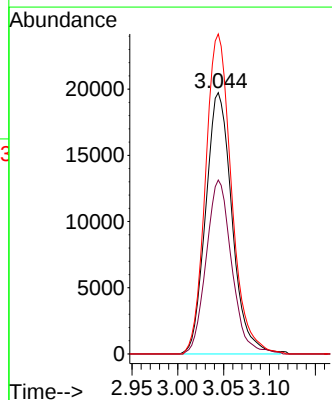
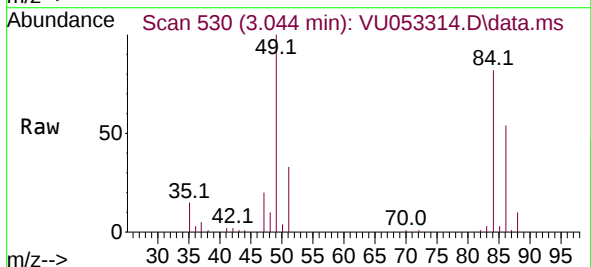
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

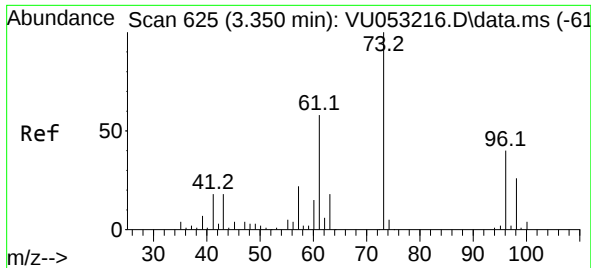
Tgt Ion: 43 Resp: 35427
Ion Ratio Lower Upper
43 100
74 26.8 21.4 32.0



#16
Methylene chloride
Concen: 37.479 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion: 84 Resp: 39428
Ion Ratio Lower Upper
84 100
86 66.6 44.4 82.4
49 122.5 81.6 151.6

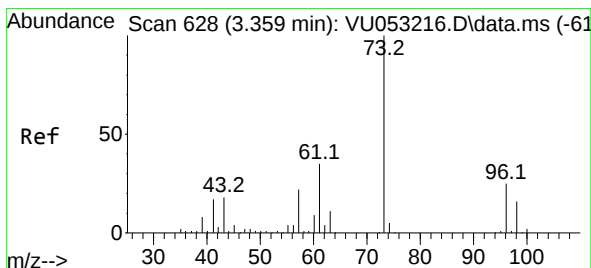
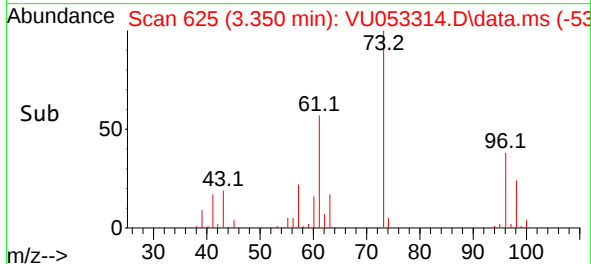
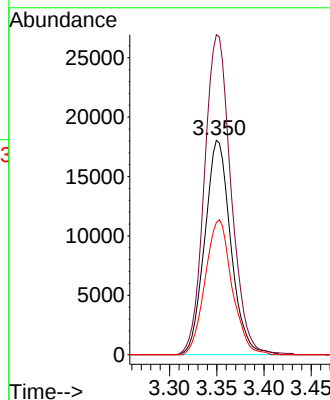
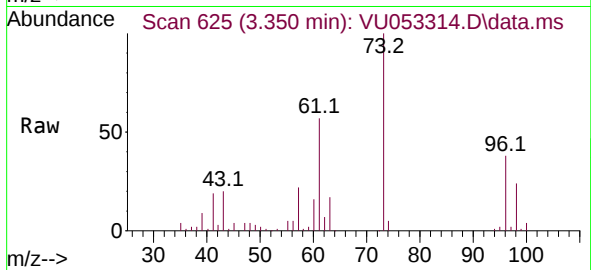




#17
trans-1,2-Dichloroethene
Concen: 39.259 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

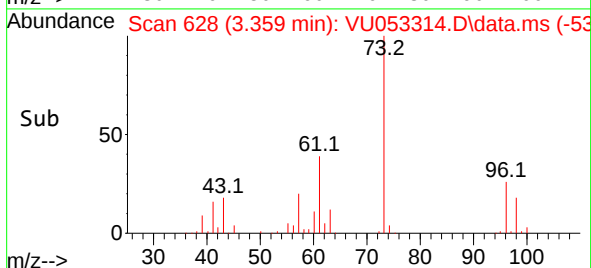
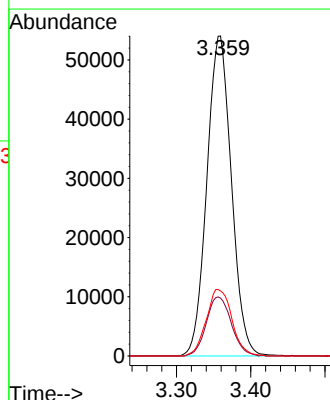
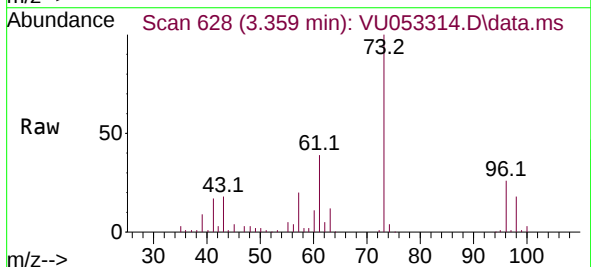
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

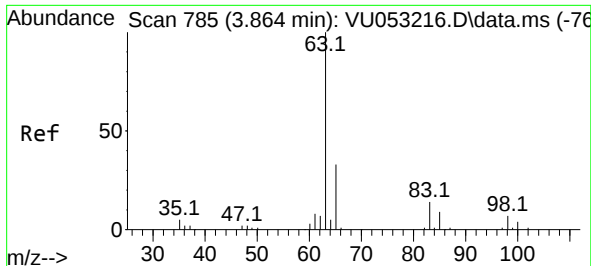
Tgt Ion: 96 Resp: 34542
Ion Ratio Lower Upper
96 100
61 149.2 99.6 185.0
98 61.6 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 41.898 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion: 73 Resp: 123958
Ion Ratio Lower Upper
73 100
43 18.8 14.2 21.2
57 21.8 18.0 27.0

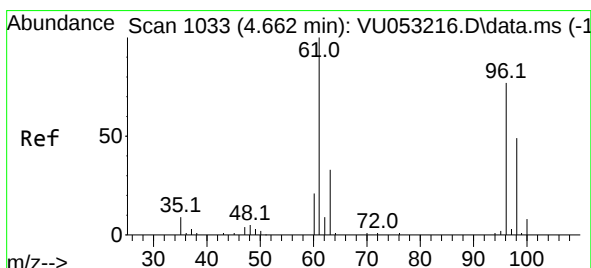
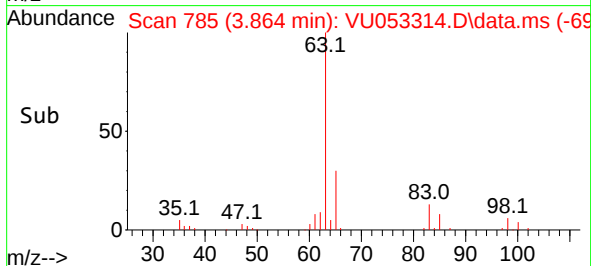
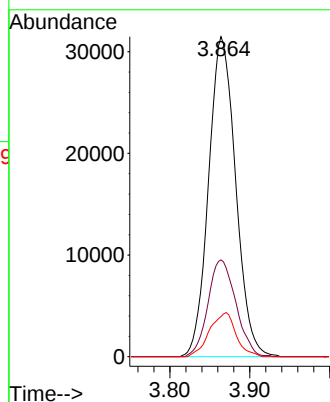
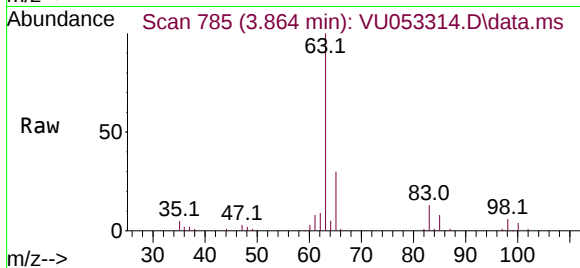




#19
1,1-Dichloroethane
Concen: 41.192 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

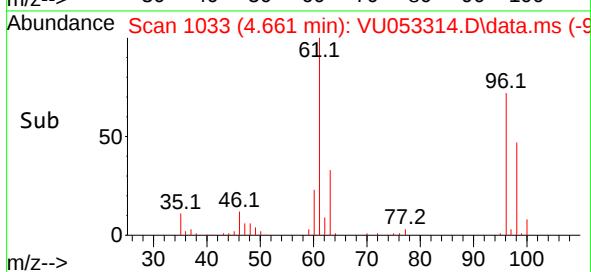
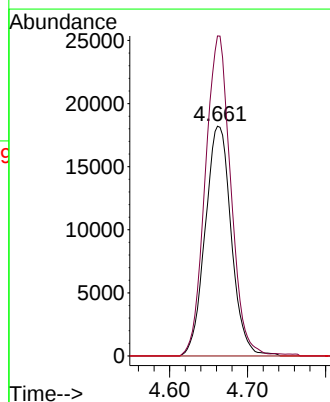
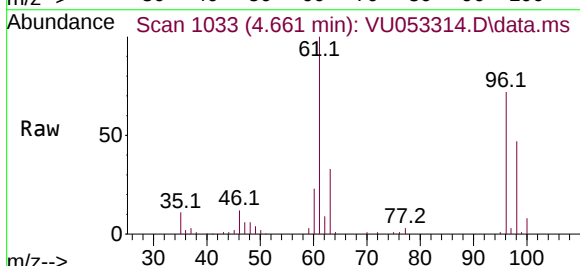
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

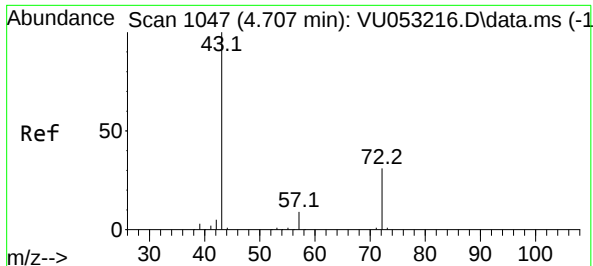
Tgt Ion:	63	Resp:	73981
Ion	Ratio	Lower	Upper
63	100		
65	30.3	22.8	42.4
83	12.5	9.4	17.6



#20
cis-1,2-Dichloroethene
Concen: 40.959 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:	96	Resp:	42328
Ion	Ratio	Lower	Upper
96	100		
61	139.3	92.5	171.7
68	0.0	0.0	0.0

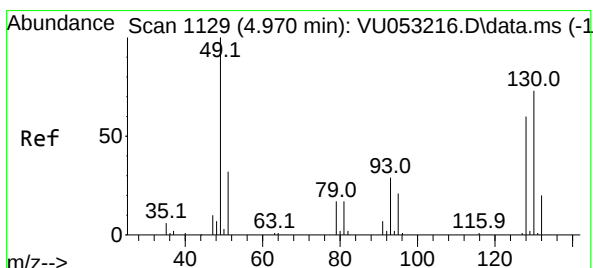
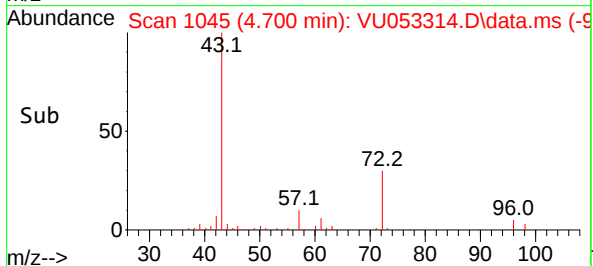
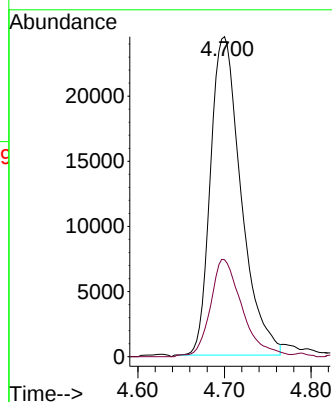
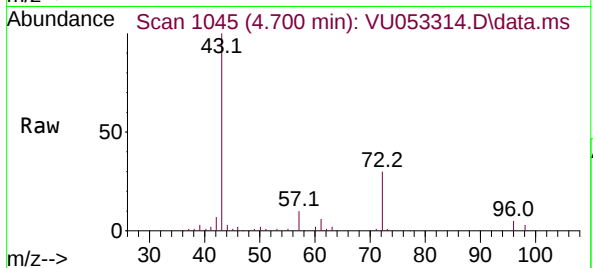




#22
2-Butanone
Concen: 91.741 ug/L
RT: 4.700 min Scan# 1100
Delta R.T. 0.009 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

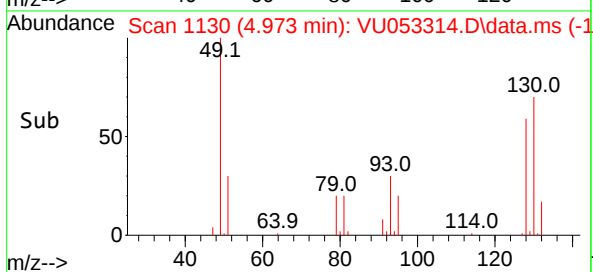
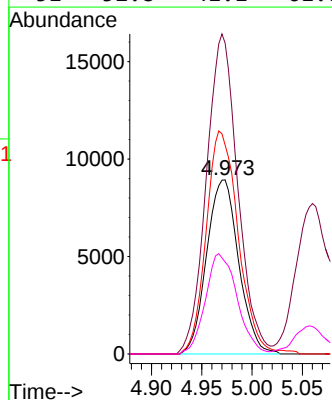
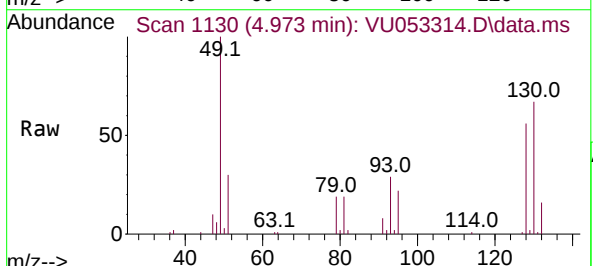
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

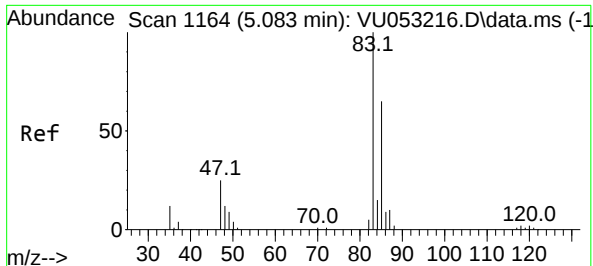
Tgt Ion: 43 Resp: 60142
Ion Ratio Lower Upper
43 100
72 31.6 16.0 47.9



#23
Bromochloromethane
Concen: 40.138 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion: 128 Resp: 19778
Ion Ratio Lower Upper
128 100
49 178.5 109.9 204.1
130 120.0 87.2 161.9
51 52.8 41.1 61.7





#25

Chloroform

Concen: 41.823 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

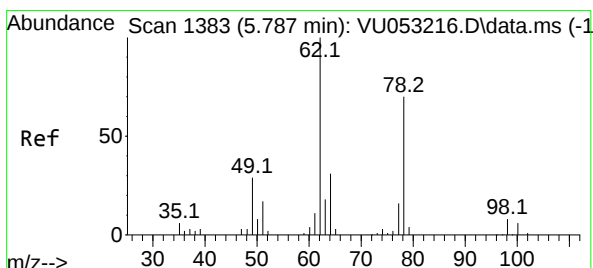
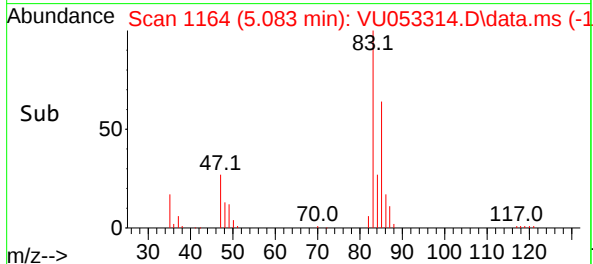
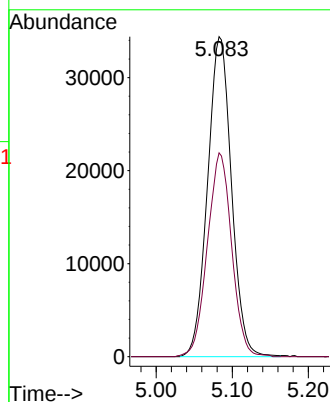
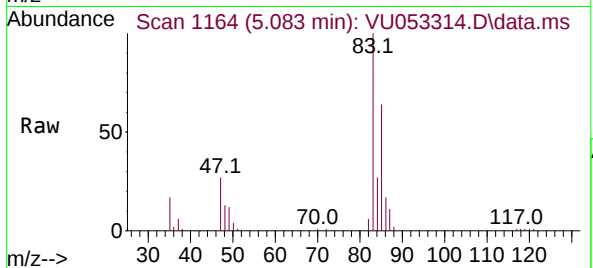
VSTD050169

Tgt Ion: 83 Resp: 75166

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 42.324 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053314.D

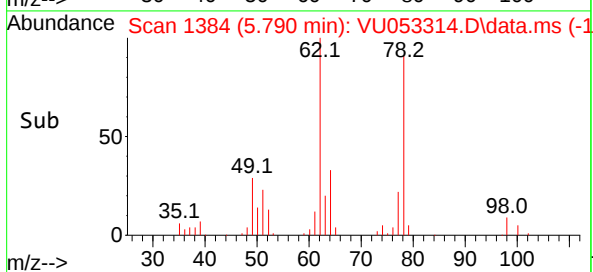
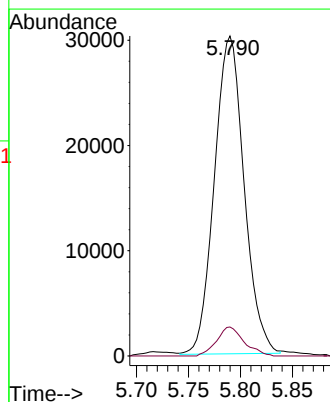
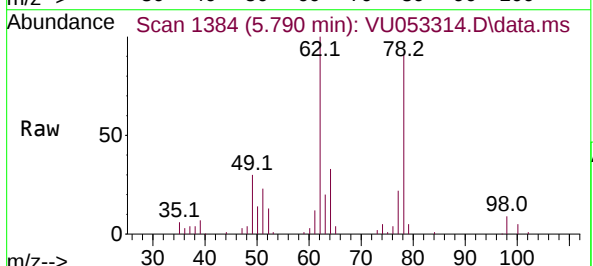
Acq: 21 Mar 2023 10:41

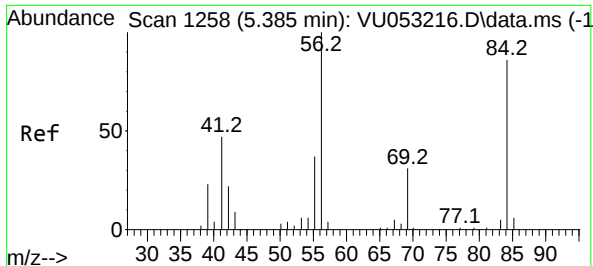
Tgt Ion: 62 Resp: 60046

Ion Ratio Lower Upper

62 100

98 9.1 7.0 10.6





#29

Cyclohexane

Concen: 41.202 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050169

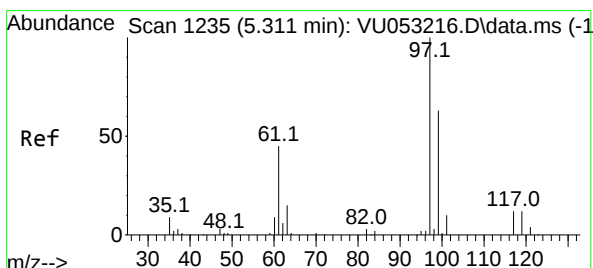
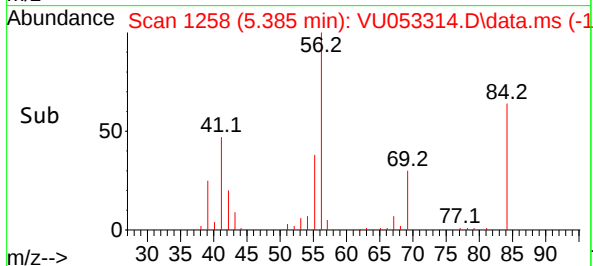
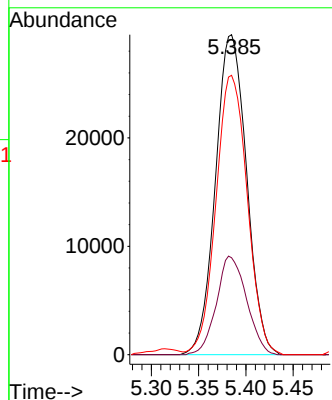
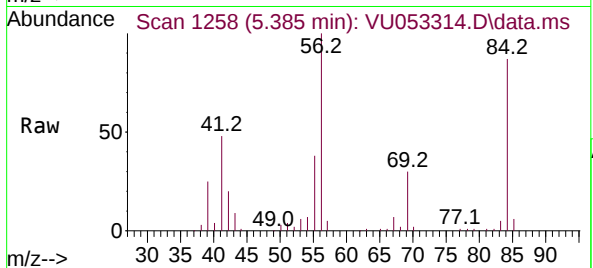
Tgt Ion: 56 Resp: 67479

Ion Ratio Lower Upper

56 100

69 29.7 25.4 38.0

84 88.1 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 41.474 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

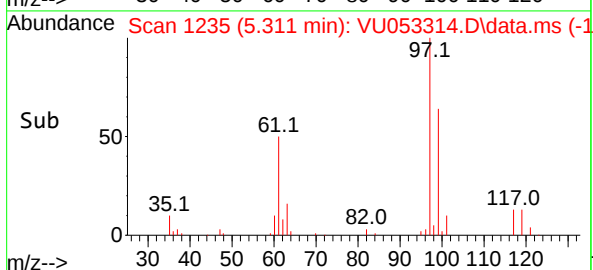
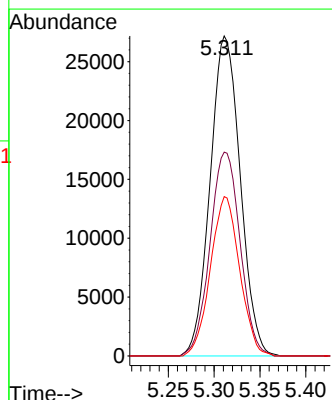
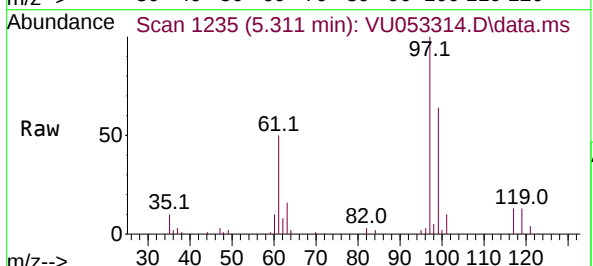
Tgt Ion: 97 Resp: 62136

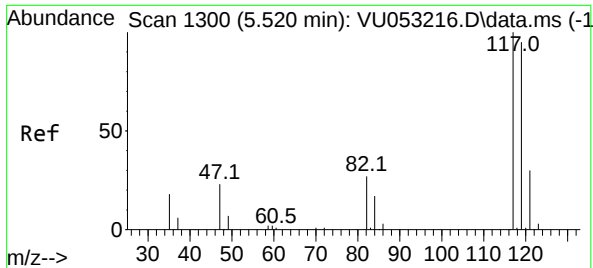
Ion Ratio Lower Upper

97 100

99 63.6 50.6 76.0

61 48.2 36.0 54.0

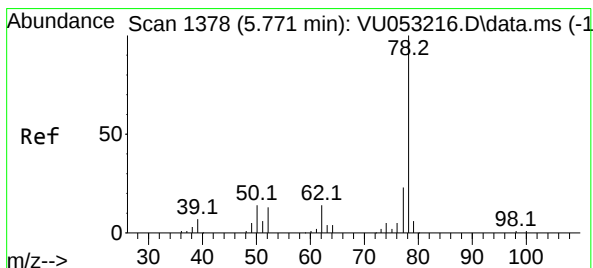
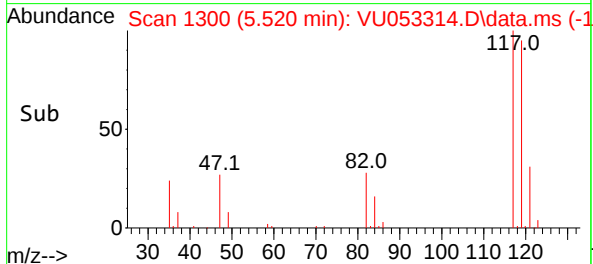
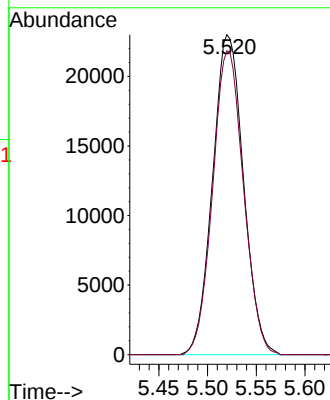
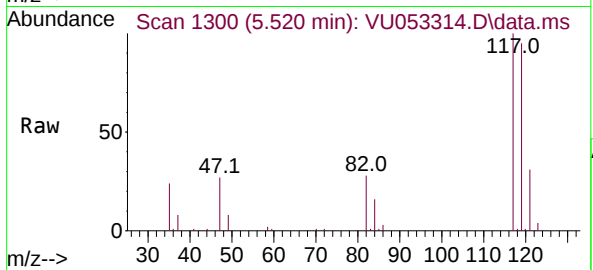




#31
Carbon tetrachloride
Concen: 41.313 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

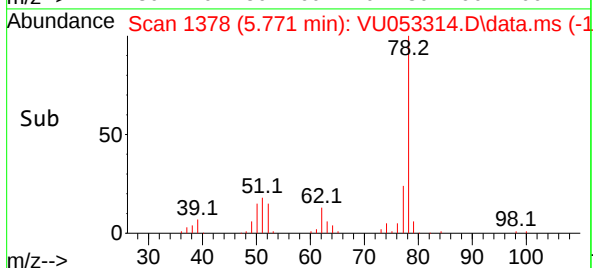
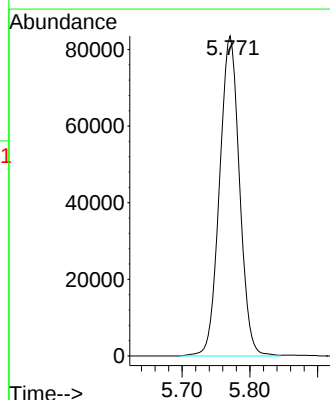
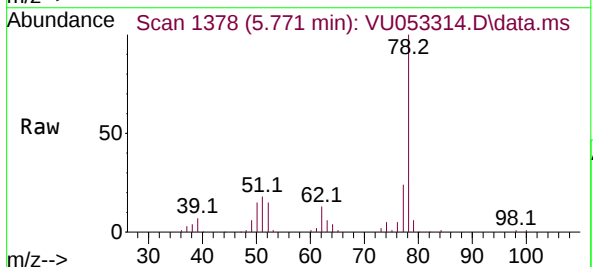
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

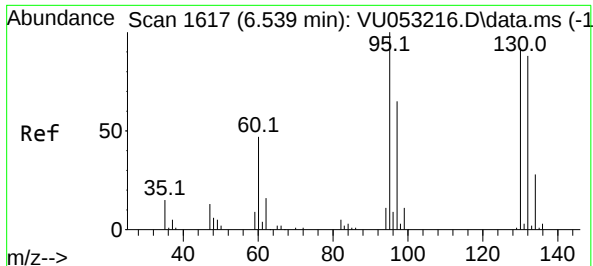
Tgt Ion:117 Resp: 50708
Ion Ratio Lower Upper
117 100
119 94.7 76.2 114.2



#33
Benzene
Concen: 44.865 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion: 78 Resp: 170964





#34

Trichloroethene

Concen: 42.363 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050169

Tgt Ion: 95 Resp: 42092

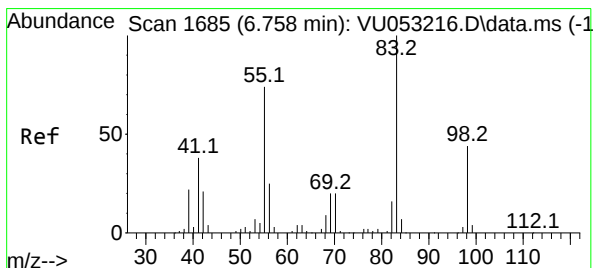
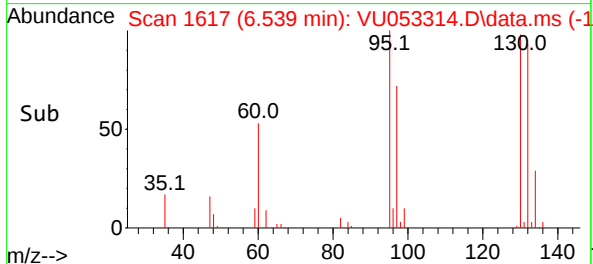
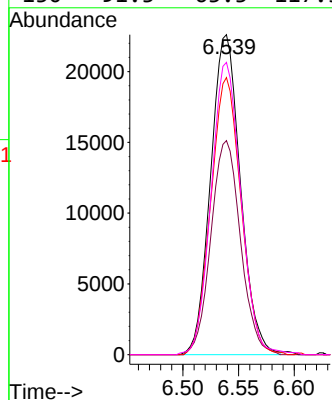
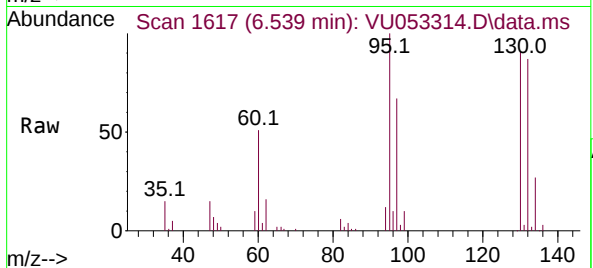
Ion Ratio Lower Upper

95 100

97 66.9 43.8 81.3

132 86.6 61.5 114.3

130 91.3 63.3 117.5



#35

Methylcyclohexane

Concen: 42.015 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

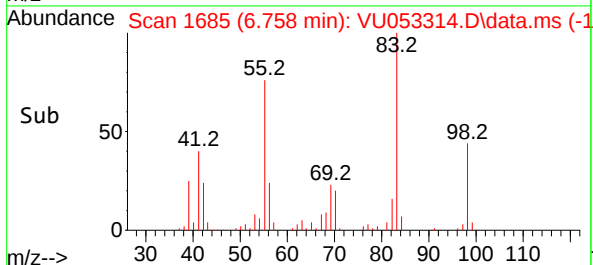
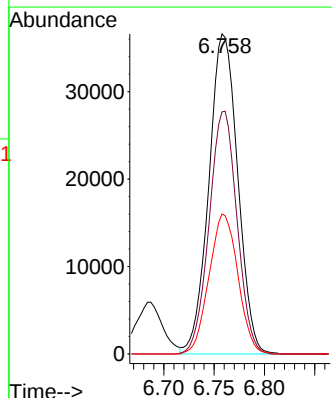
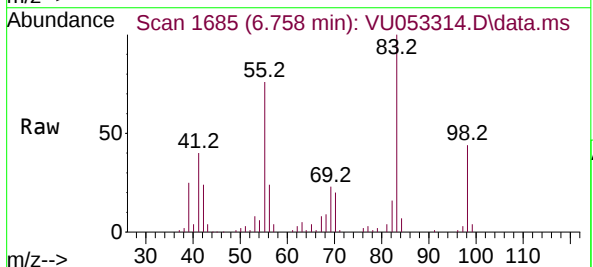
Tgt Ion: 83 Resp: 73176

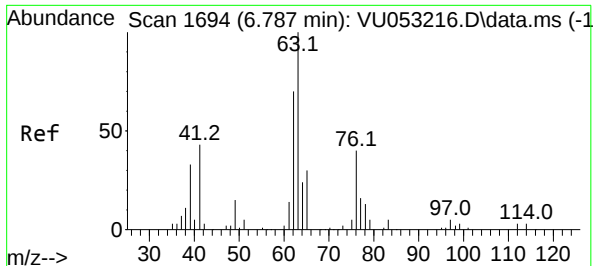
Ion Ratio Lower Upper

83 100

55 73.2 58.2 87.4

98 43.7 35.4 53.2

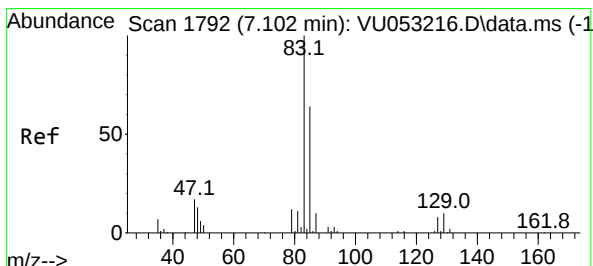
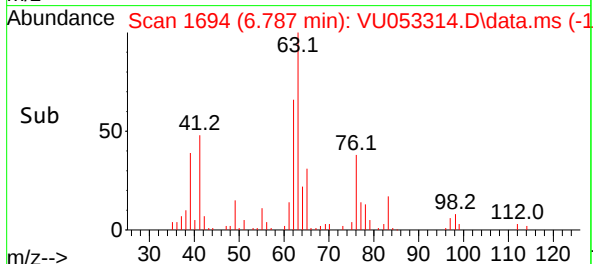
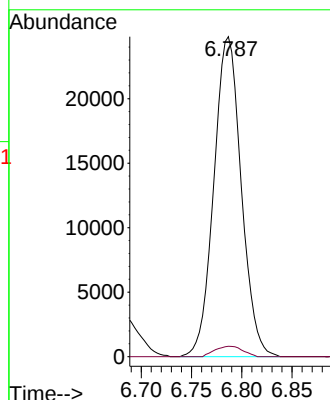
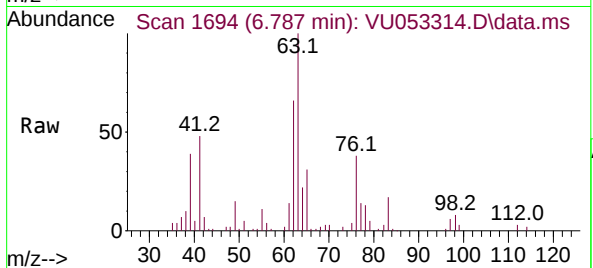




#37
1,2-Dichloropropane
Concen: 44.249 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

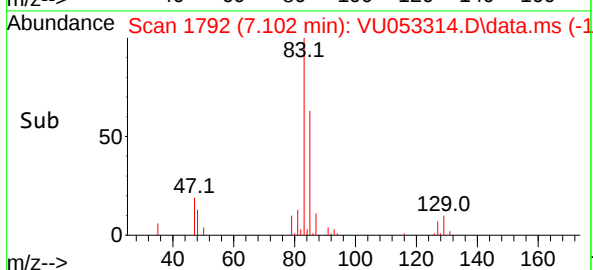
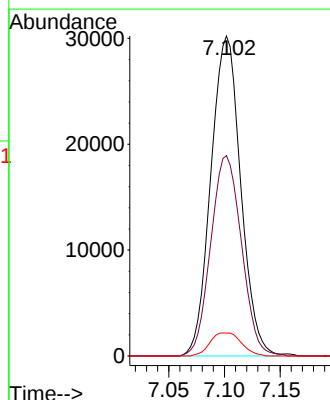
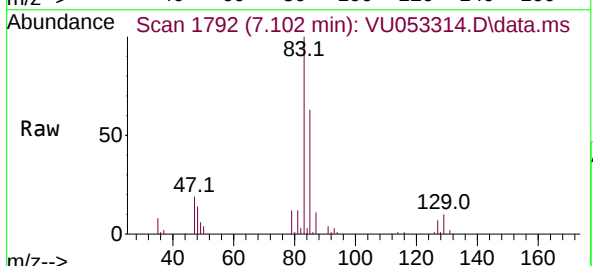
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

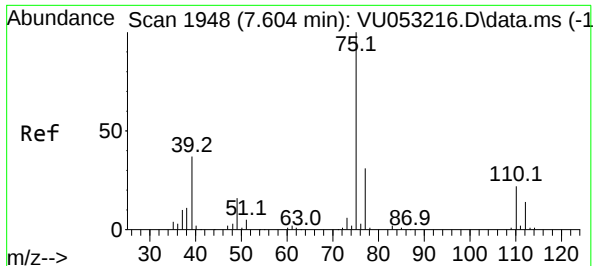
Tgt Ion: 63 Resp: 47043
Ion Ratio Lower Upper
63 100
112 3.3 2.6 3.8



#38
Bromodichloromethane
Concen: 42.618 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion: 83 Resp: 56386
Ion Ratio Lower Upper
83 100
85 62.6 45.4 84.2
127 7.2 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 43.459 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

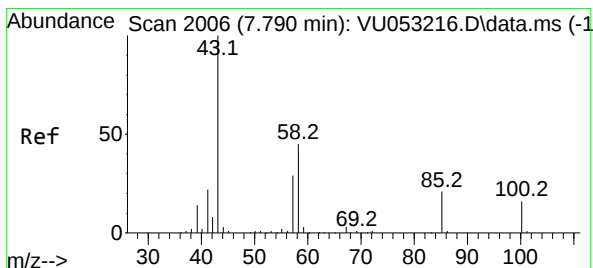
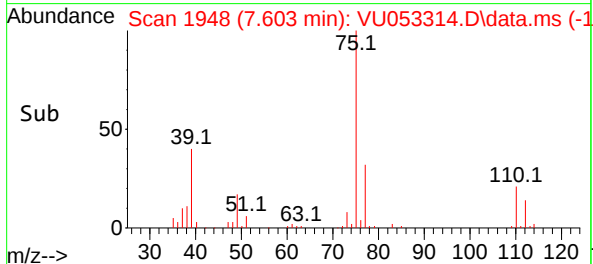
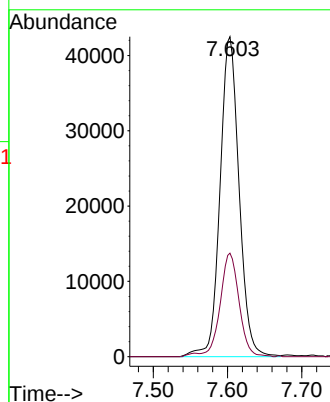
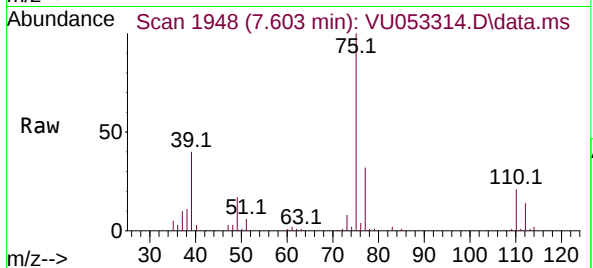
VSTD050169

Tgt Ion: 75 Resp: 75910

Ion Ratio Lower Upper

75 100

77 32.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 98.716 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

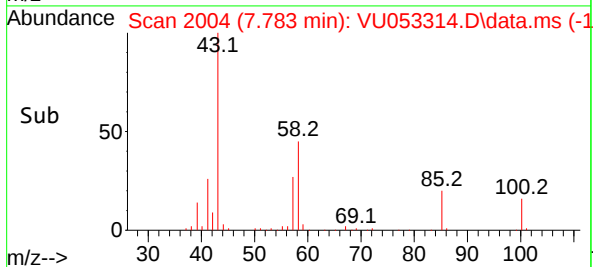
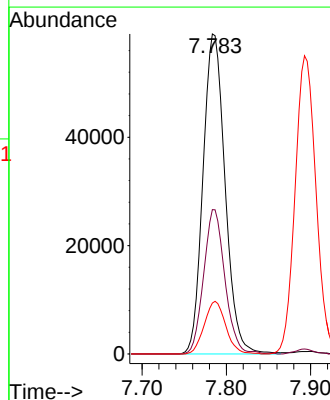
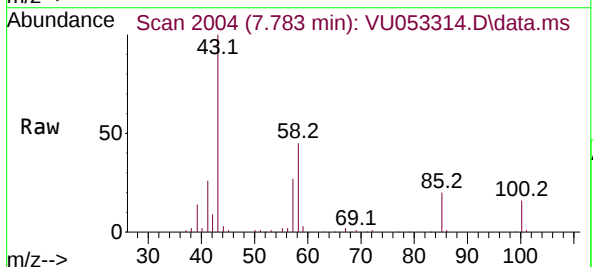
Tgt Ion: 43 Resp: 107872

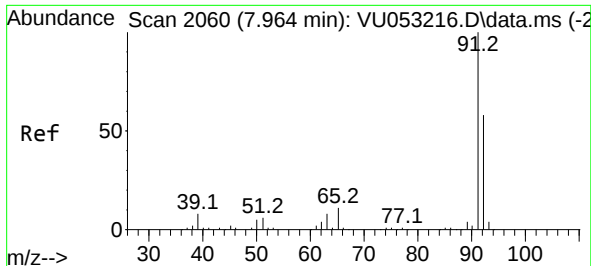
Ion Ratio Lower Upper

43 100

58 43.1 35.8 53.6

100 16.0 13.0 19.6





#42

Toluene

Concen: 44.373 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

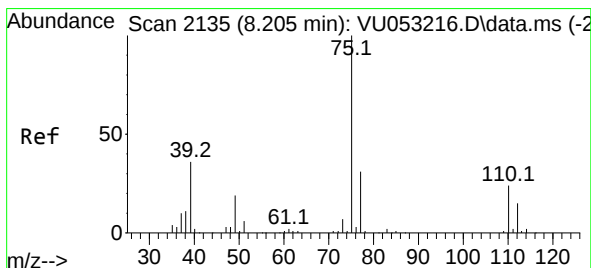
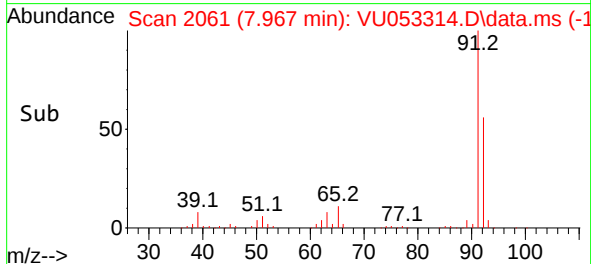
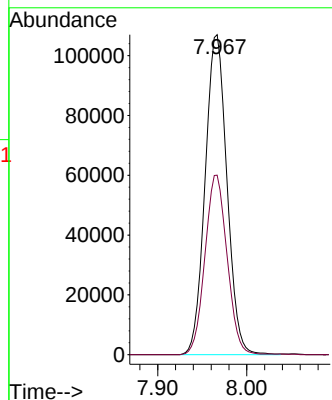
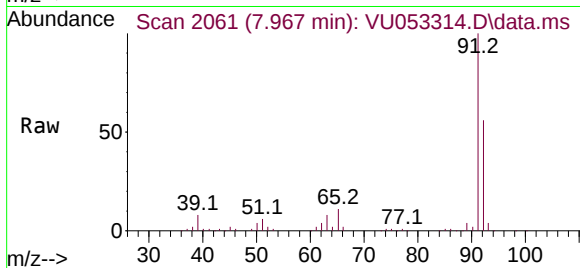
VSTD050169

Tgt Ion: 91 Resp: 181784

Ion Ratio Lower Upper

91 100

92 56.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 44.192 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.001 min

Lab File: VU053314.D

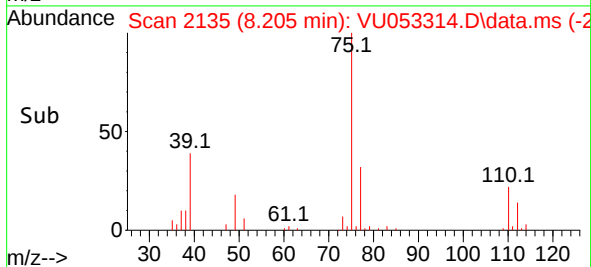
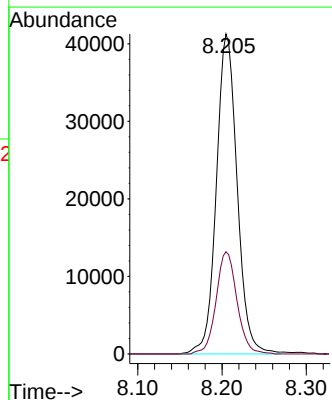
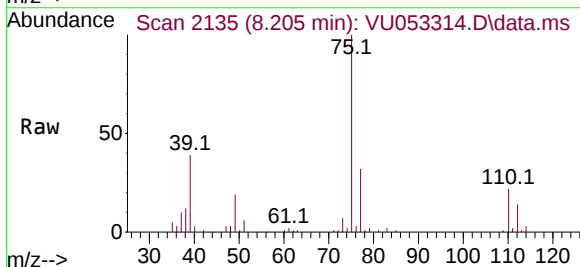
Acq: 21 Mar 2023 10:41

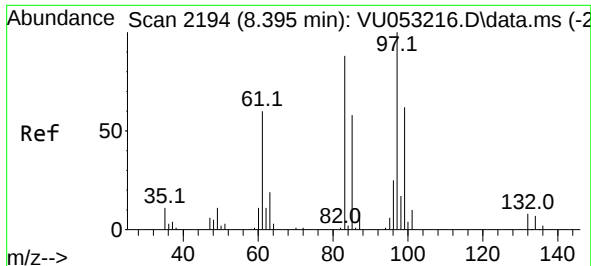
Tgt Ion: 75 Resp: 70560

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



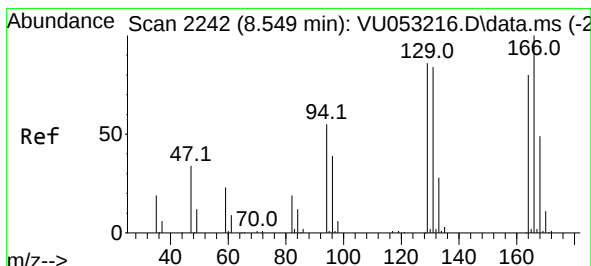
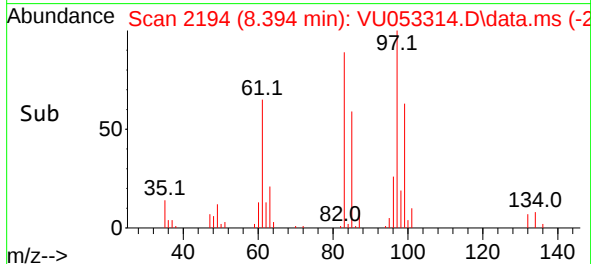
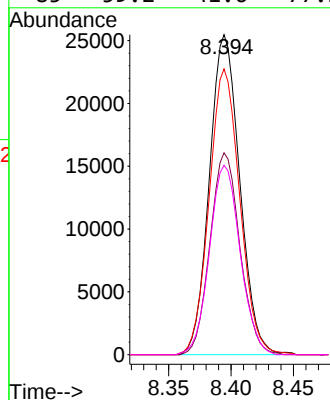
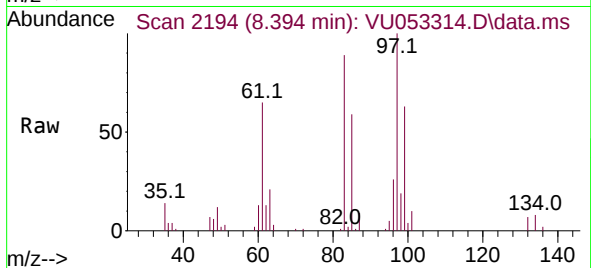


#45
1,1,2-Trichloroethane
Concen: 44.625 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

Tgt Ion: 97 Resp: 43200

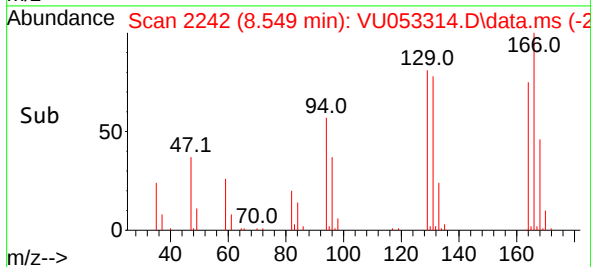
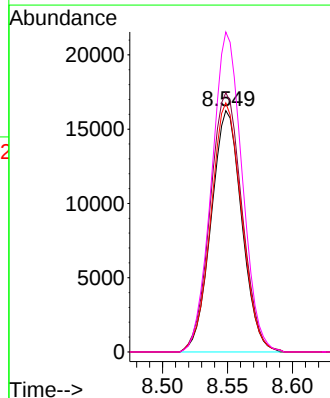
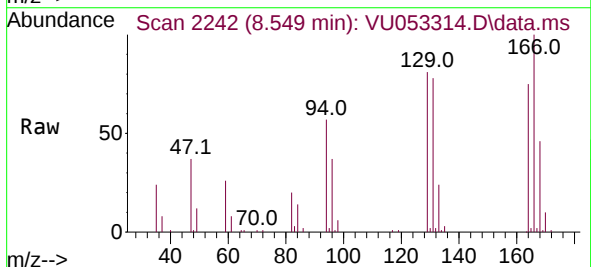
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.4	82.4
83	89.3	63.8	118.6
85	59.2	41.6	77.2

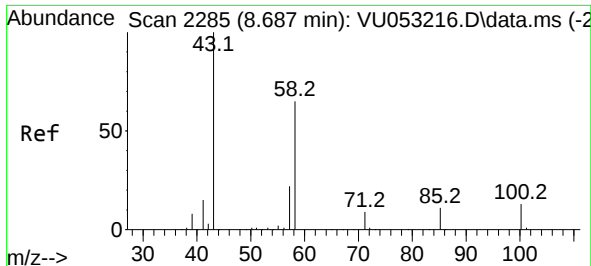


#46
Tetrachloroethene
Concen: 41.154 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion: 164 Resp: 26603

Ion	Ratio	Lower	Upper
164	100		
129	107.5	73.6	136.8
131	103.3	70.3	130.7
166	132.6	88.9	165.1

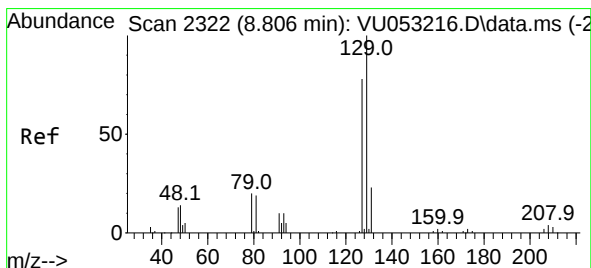
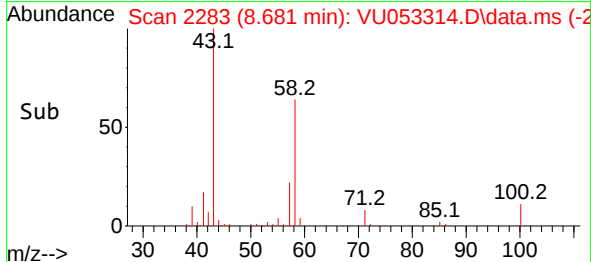
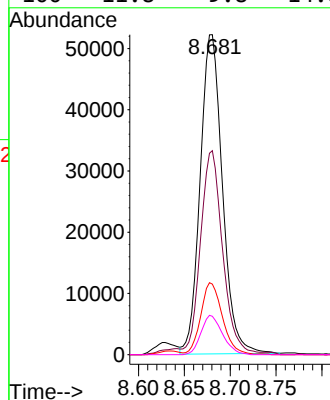
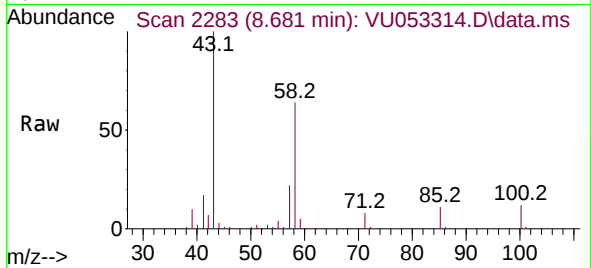




#48
2-Hexanone
Concen: 96.477 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

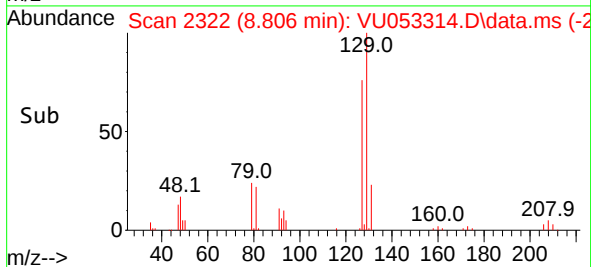
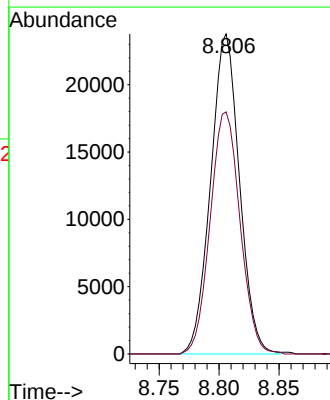
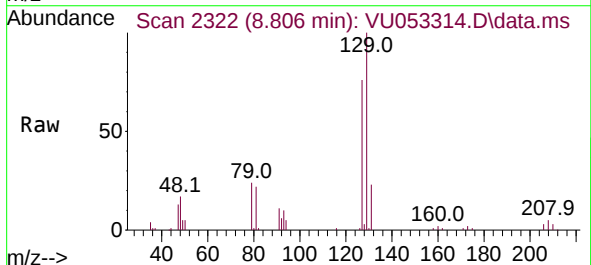
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

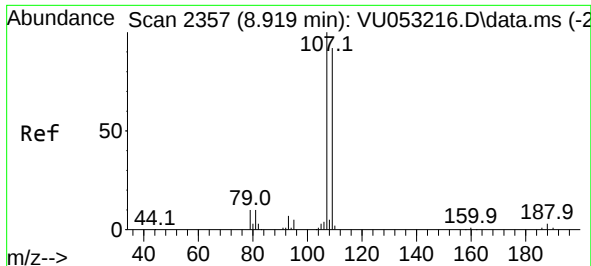
Tgt Ion:	43	Resp:	88282
Ion	Ratio	Lower	Upper
43	100		
58	61.9	49.4	74.0
57	21.9	16.9	25.3
100	11.8	9.8	14.8



#49
Dibromochloromethane
Concen: 40.113 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:	129	Resp:	39723
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.1	98.5

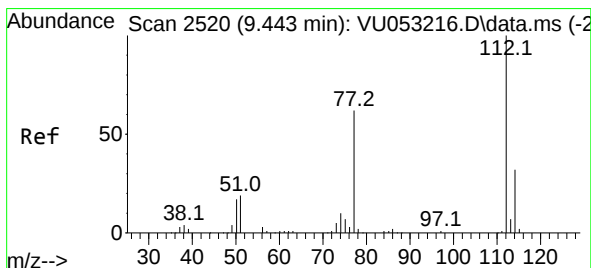
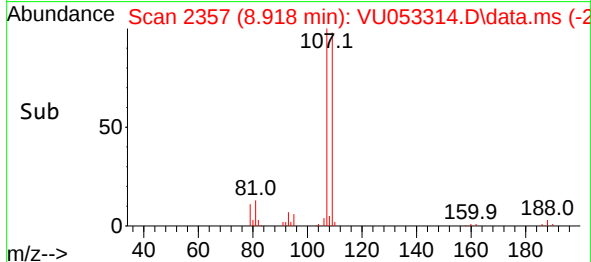
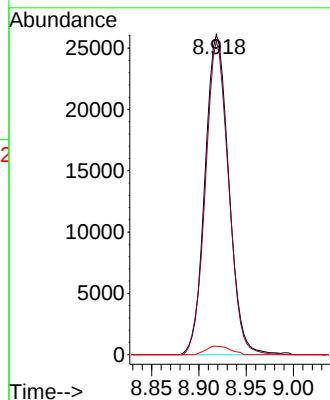
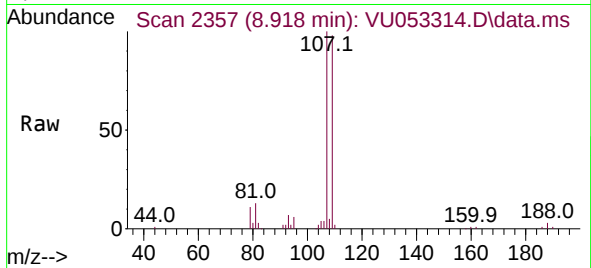




#50
1,2-Dibromoethane
Concen: 44.249 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

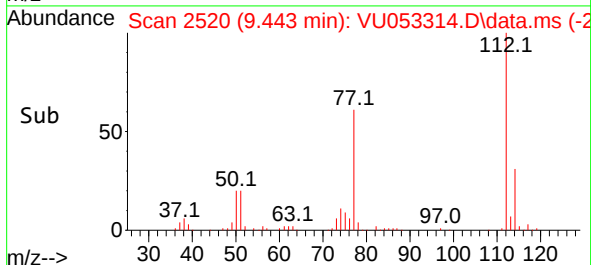
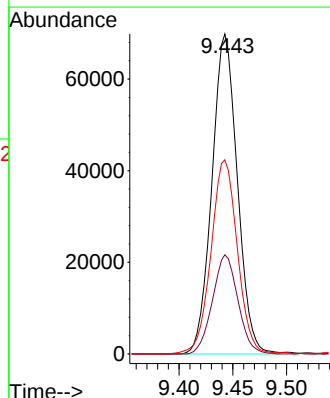
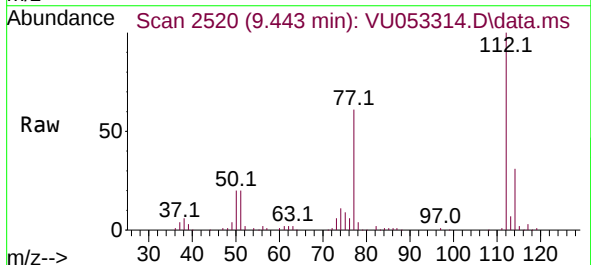
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

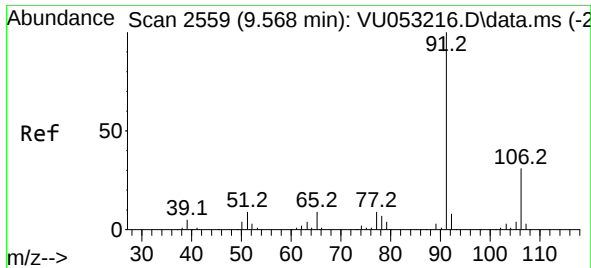
Tgt Ion:107 Resp: 45643
Ion Ratio Lower Upper
107 100
109 98.0 64.6 120.0
188 2.6 2.2 3.4



#51
Chlorobenzene
Concen: 44.919 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:112 Resp: 114691
Ion Ratio Lower Upper
112 100
114 31.0 21.8 40.6
77 60.7 48.8 73.2

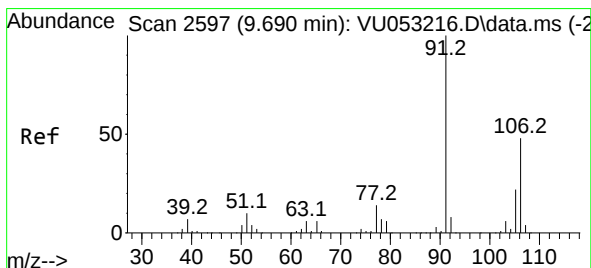
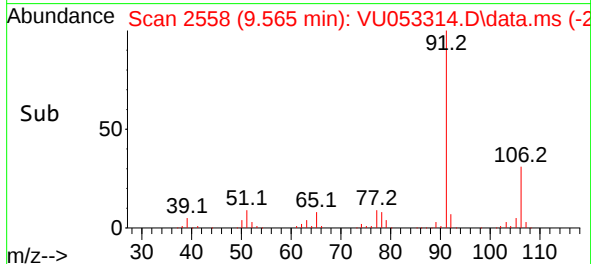
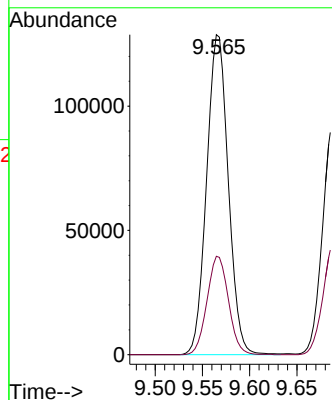
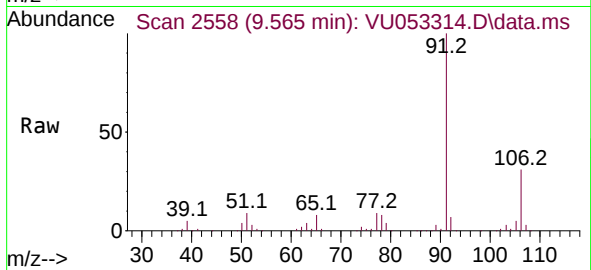




#52
Ethylbenzene
Concen: 44.164 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

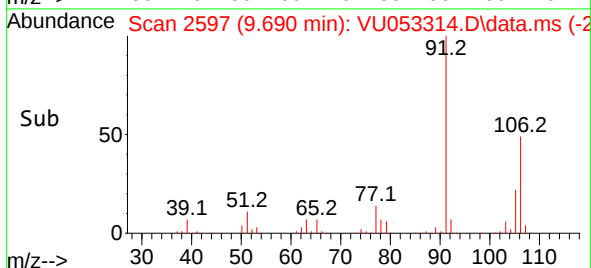
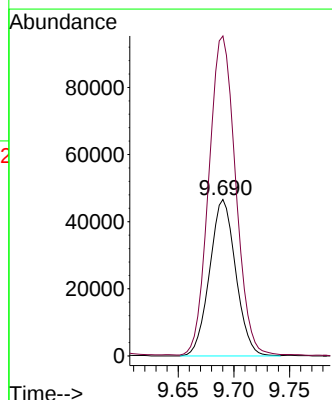
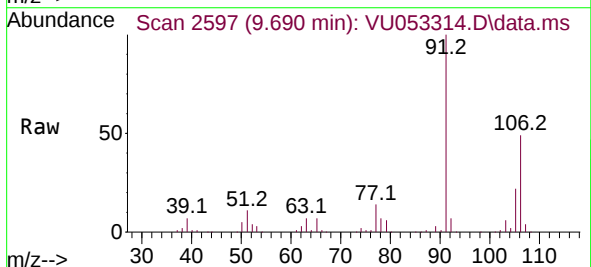
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

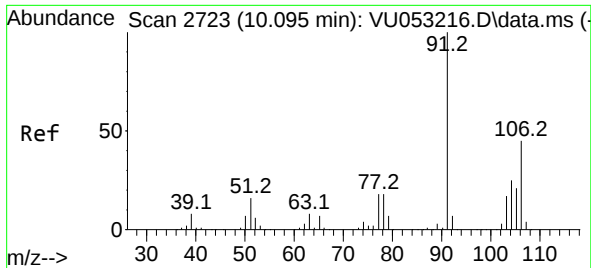
Tgt Ion: 91 Resp: 205174
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.0



#53
m,p-Xylene
Concen: 43.837 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:106 Resp: 76012
Ion Ratio Lower Upper
106 100
91 204.4 145.3 269.8

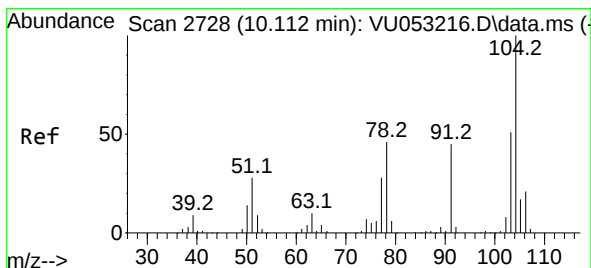
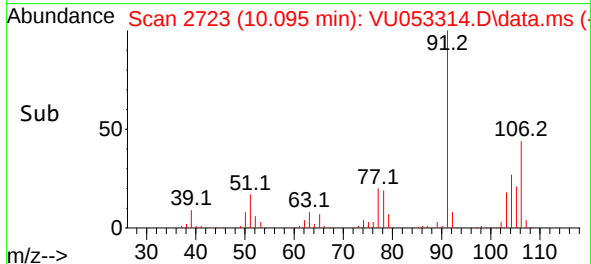
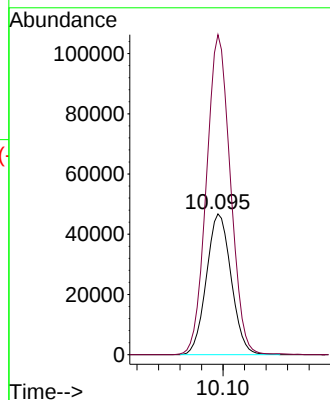
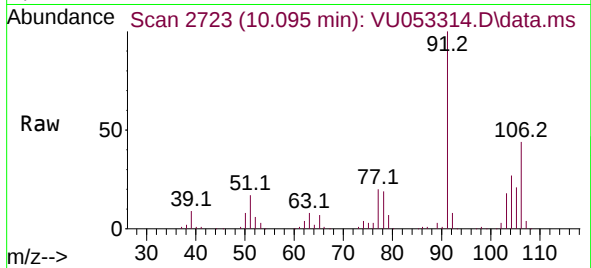




#54
o-Xylene
Concen: 43.507 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

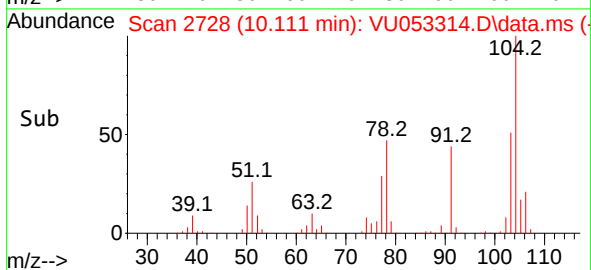
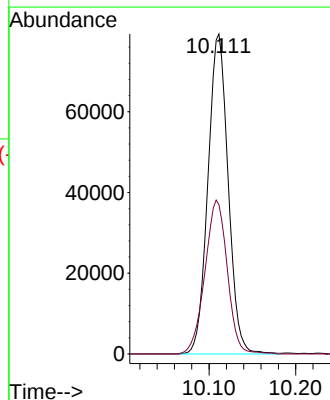
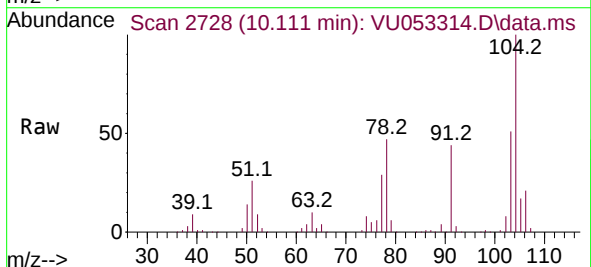
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

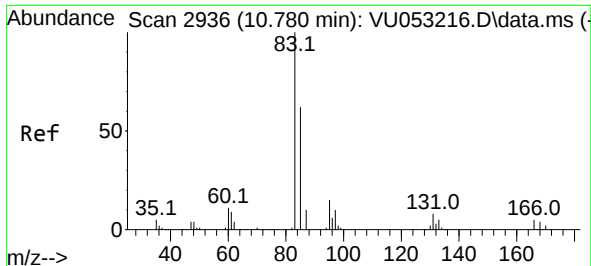
Tgt Ion:106 Resp: 74613
Ion Ratio Lower Upper
106 100
91 227.2 154.9 287.7



#55
Styrene
Concen: 44.986 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:104 Resp: 128581
Ion Ratio Lower Upper
104 100
78 46.6 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 47.146 ug/L

RT: 10.777 min Scan# 2936

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050169

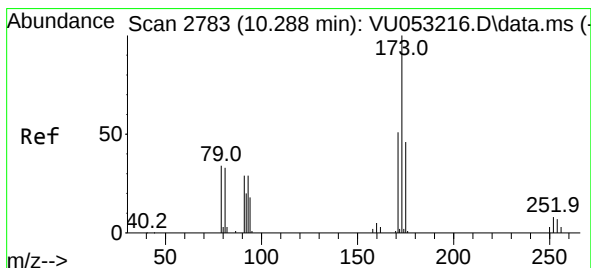
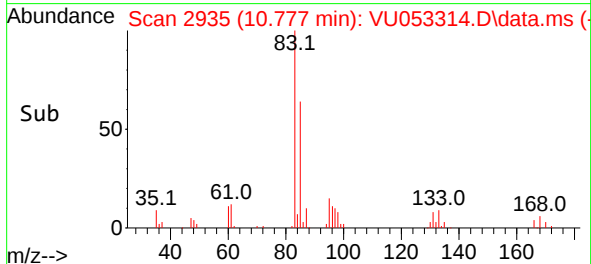
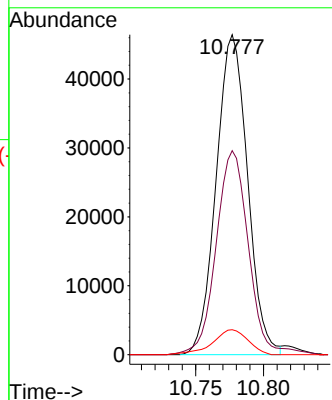
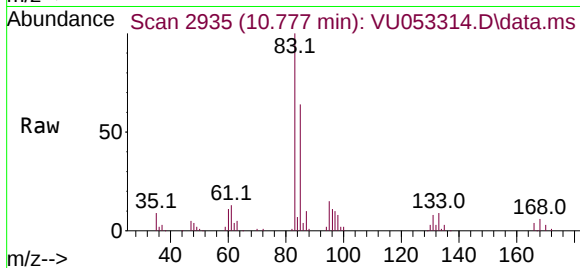
Tgt Ion: 83 Resp: 74828

Ion Ratio Lower Upper

83 100

85 63.8 46.0 85.4

131 7.8 6.6 10.0



#59

Bromoform

Concen: 40.899 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

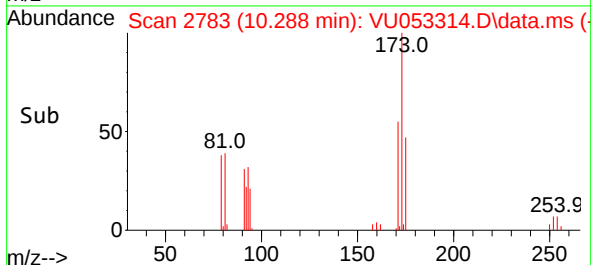
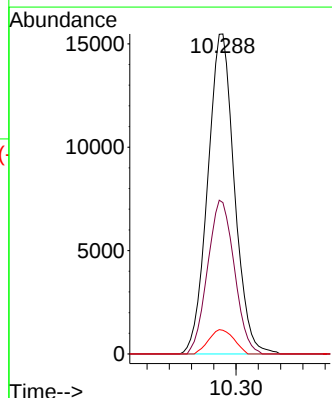
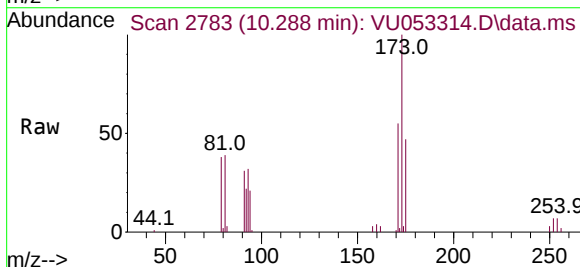
Tgt Ion:173 Resp: 25754

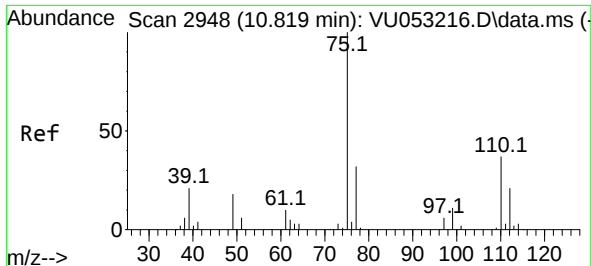
Ion Ratio Lower Upper

173 100

175 48.0 38.5 57.7

254 7.1 6.5 9.7

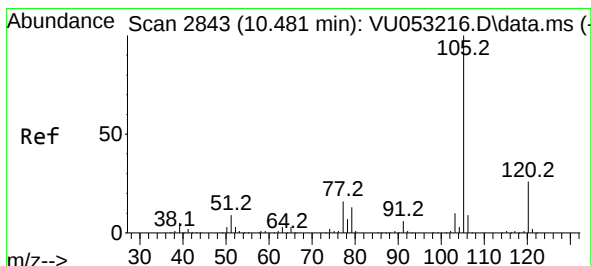
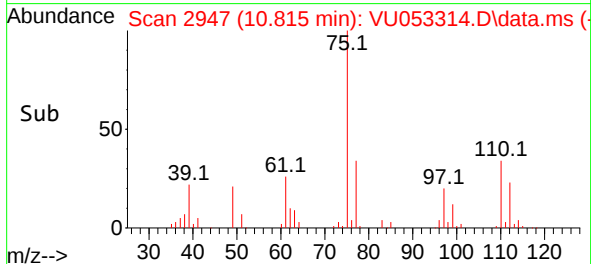
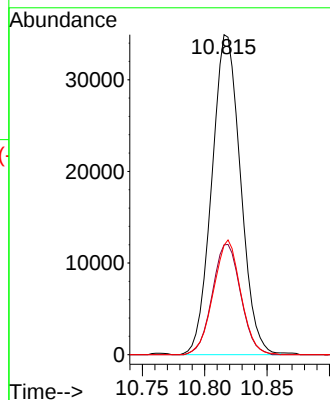
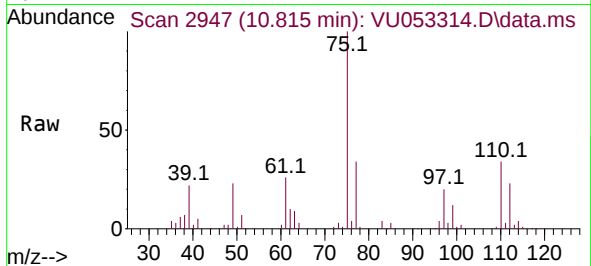




#60
1,2,3-Trichloropropane
Concen: 50.927 ug/L
RT: 10.815 min Scan# 2948
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

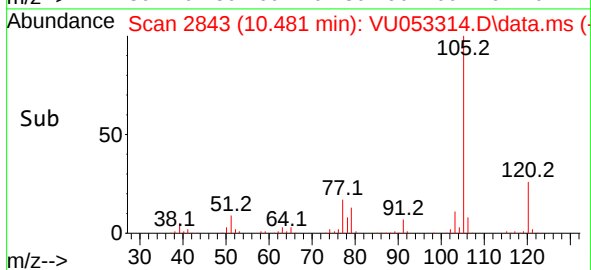
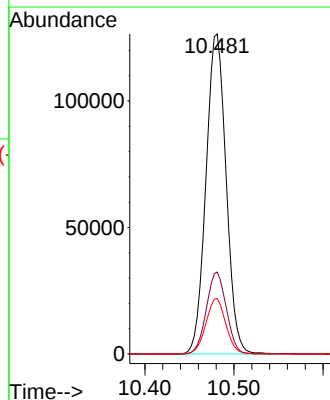
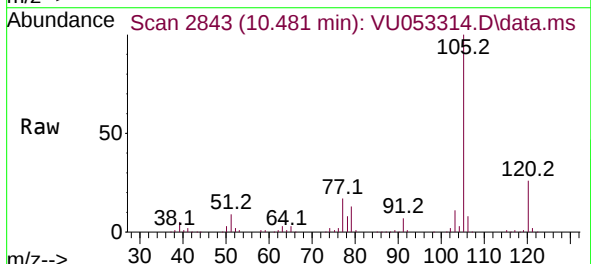
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

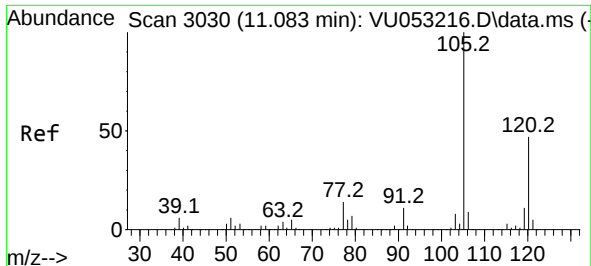
Tgt Ion:	75	Resp:	55997
Ion	Ratio	Lower	Upper
75	100		
77	34.1	26.6	40.0
110	34.2	28.6	42.8



#61
Isopropylbenzene
Concen: 45.435 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:	105	Resp:	198643
Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.4	30.6
77	17.1	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 44.715 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

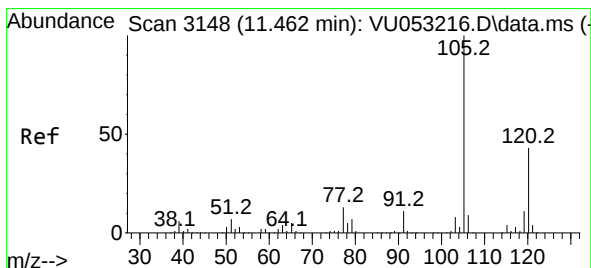
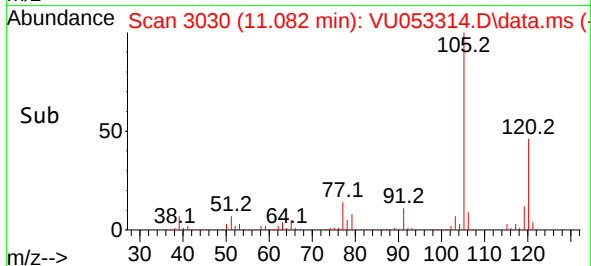
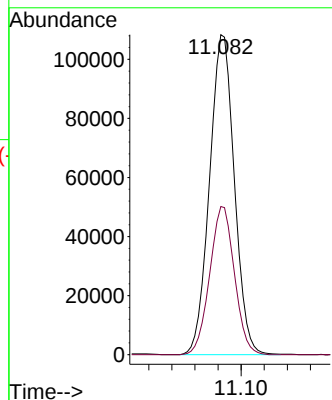
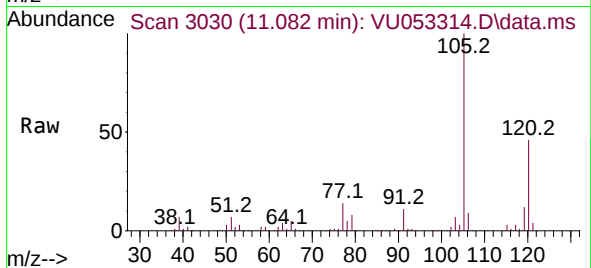
VSTD050169

Tgt Ion:105 Resp: 161821

Ion Ratio Lower Upper

105 100

120 46.0 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 45.792 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.001 min

Lab File: VU053314.D

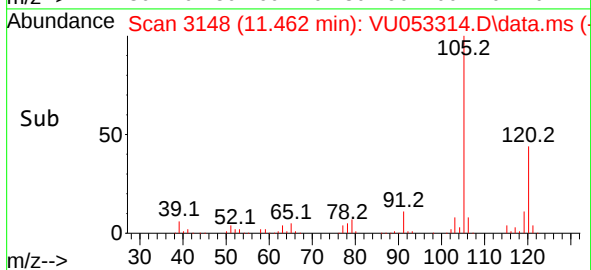
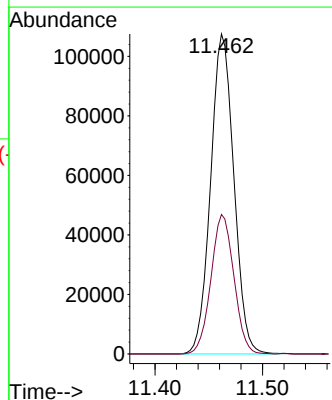
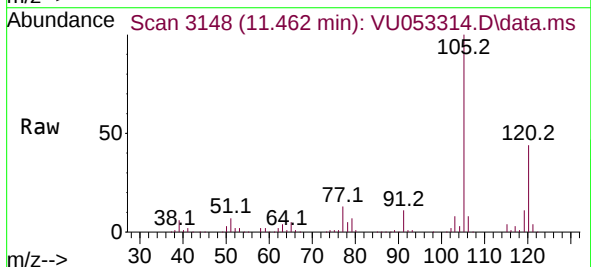
Acq: 21 Mar 2023 10:41

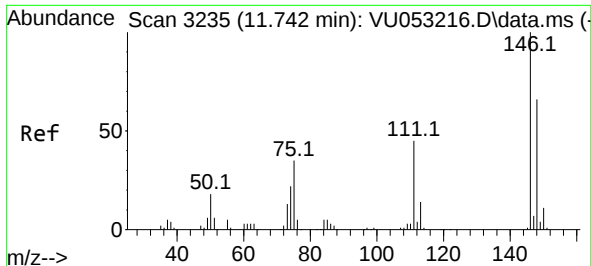
Tgt Ion:105 Resp: 161533

Ion Ratio Lower Upper

105 100

120 43.0 34.6 52.0

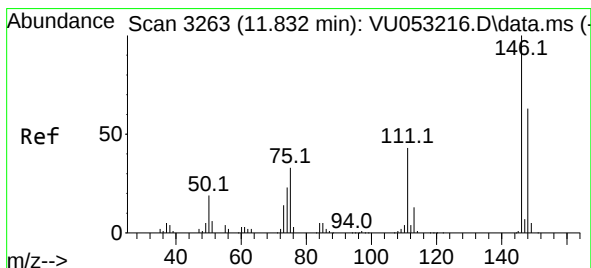
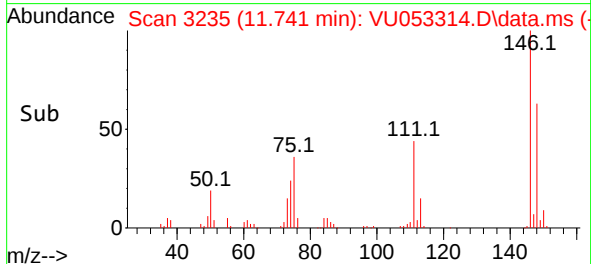
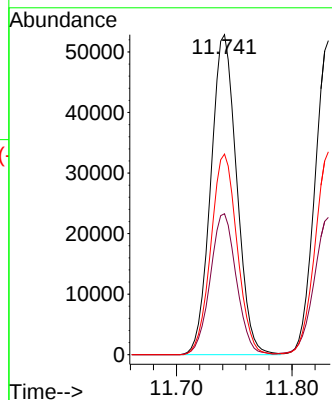
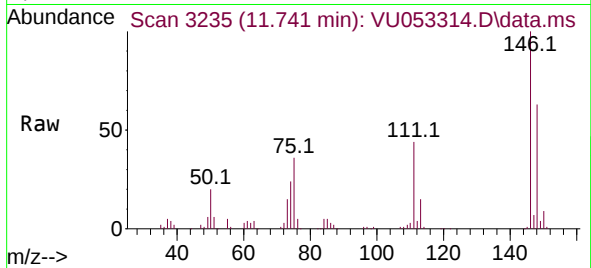




#64
1,3-Dichlorobenzene
Concen: 44.885 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

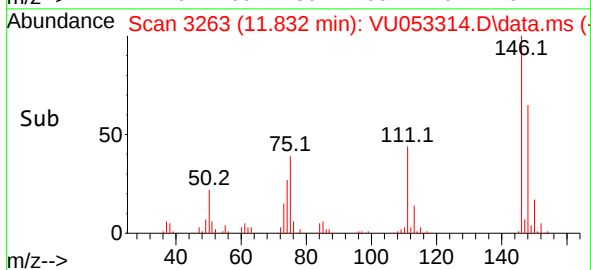
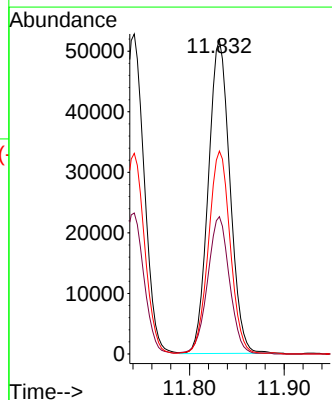
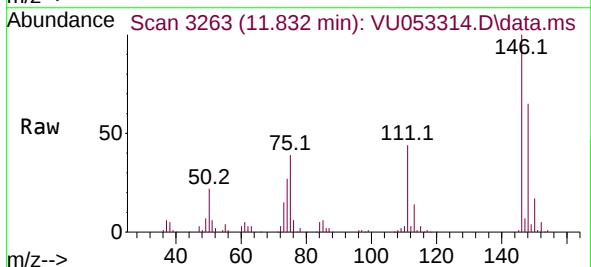
Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

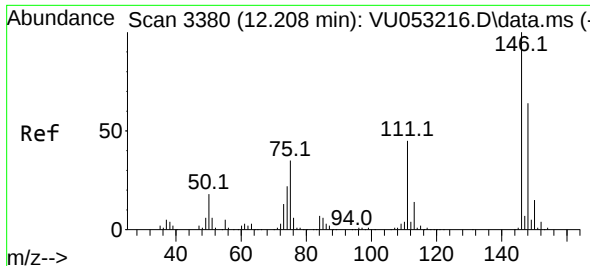
Tgt Ion:146 Resp: 82301
Ion Ratio Lower Upper
146 100
111 44.1 30.2 56.0
148 62.7 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 44.664 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:146 Resp: 82215
Ion Ratio Lower Upper
146 100
111 43.7 30.7 57.1
148 64.6 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 45.986 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.001 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD050169

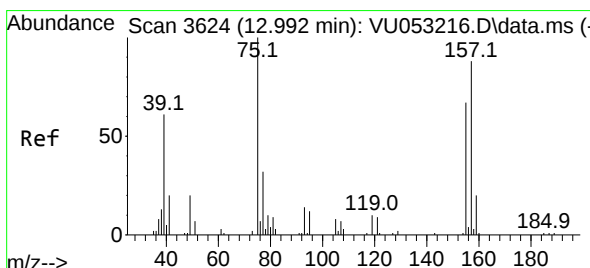
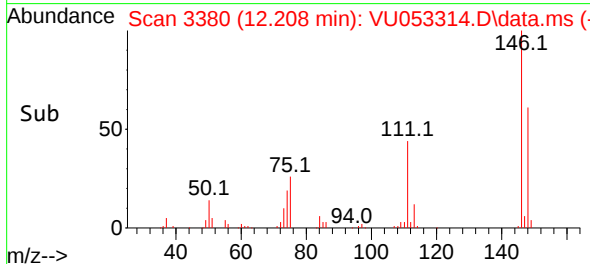
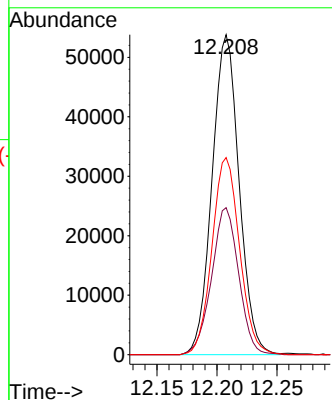
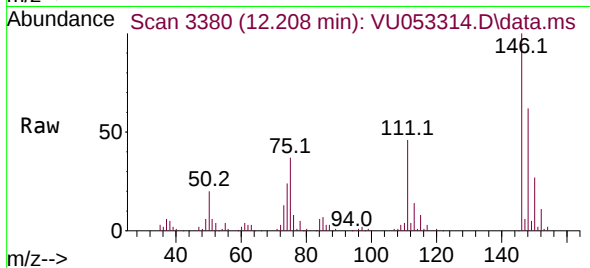
Tgt Ion:146 Resp: 84276

Ion Ratio Lower Upper

146 100

111 45.9 37.0 55.4

148 61.6 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.439 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053314.D

Acq: 21 Mar 2023 10:41

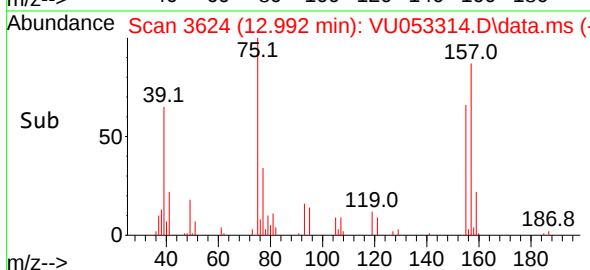
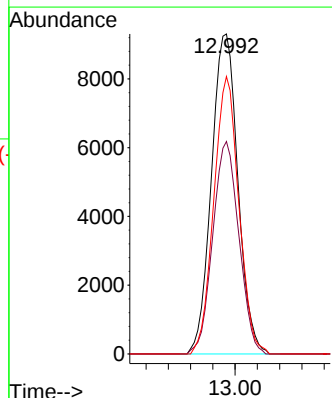
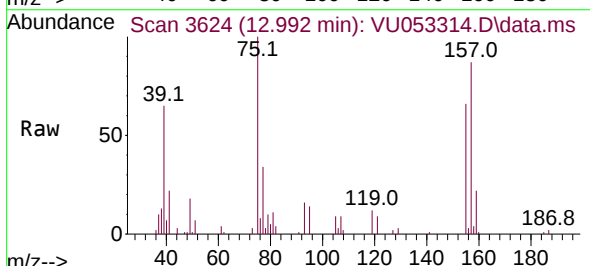
Tgt Ion: 75 Resp: 15336

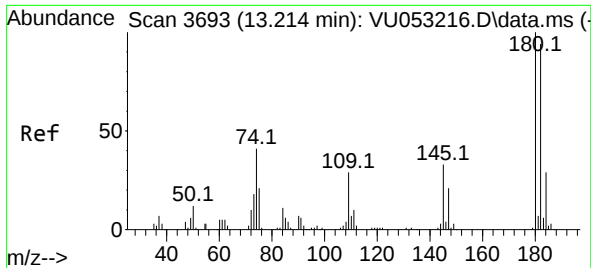
Ion Ratio Lower Upper

75 100

155 66.4 60.2 90.4

157 86.7 73.0 109.4

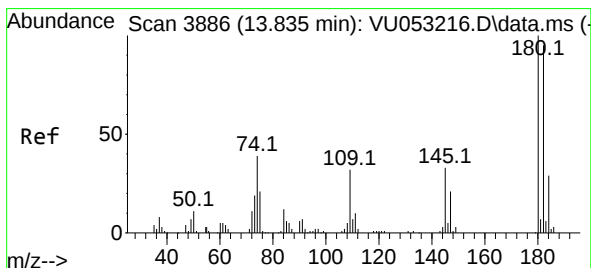
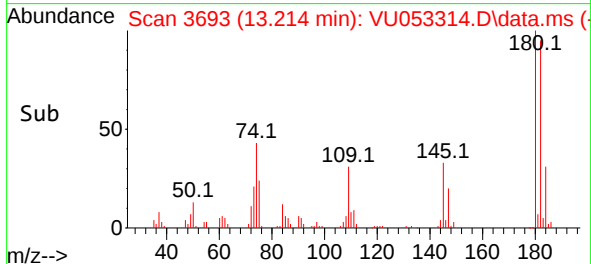
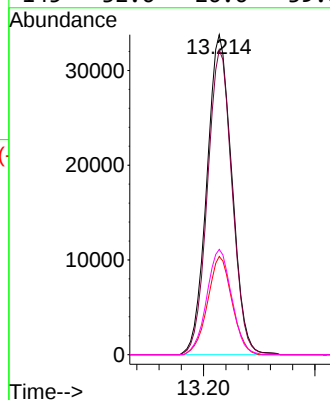
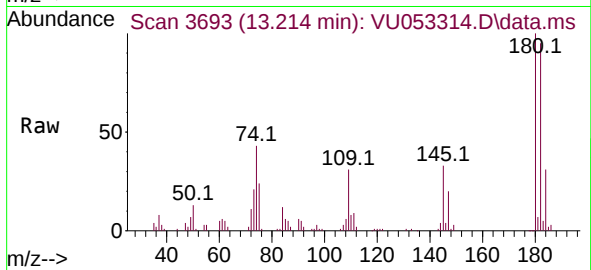




#69
 1,3,5-Trichlorobenzene
 Concen: 45.341 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.001 min
 Lab File: VU053314.D
 Acq: 21 Mar 2023 10:41

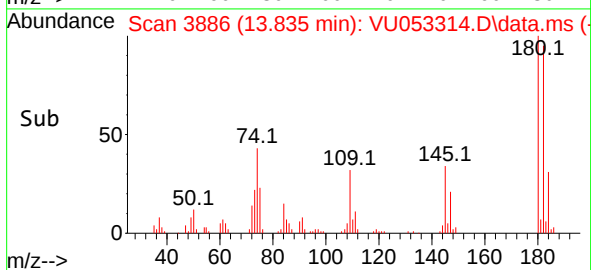
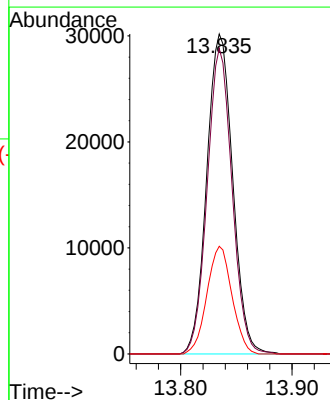
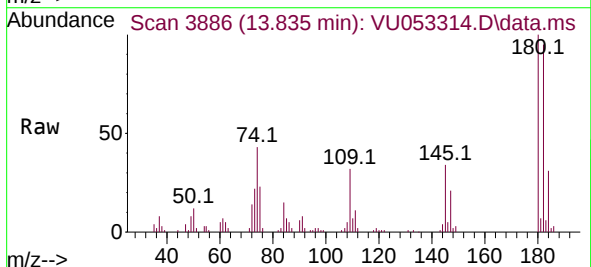
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050169

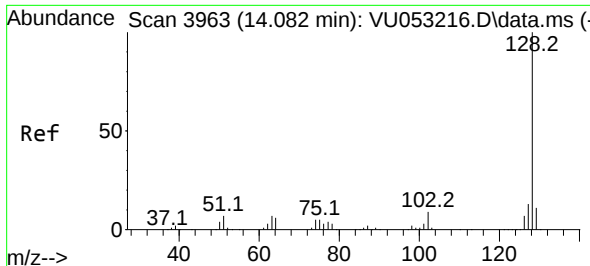
Tgt Ion:180	Resp:	52709
Ion Ratio	Lower	Upper
180	100	
182	93.5	74.5 111.7
184	29.9	23.2 34.8
145	32.6	26.6 39.8



#70
 1,2,4-trichlorobenzene
 Concen: 46.790 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.001 min
 Lab File: VU053314.D
 Acq: 21 Mar 2023 10:41

Tgt Ion:180	Resp:	48874
Ion Ratio	Lower	Upper
180	100	
182	91.2	75.8 113.8
145	32.4	27.2 40.8

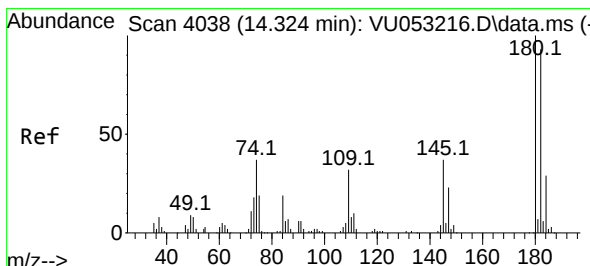
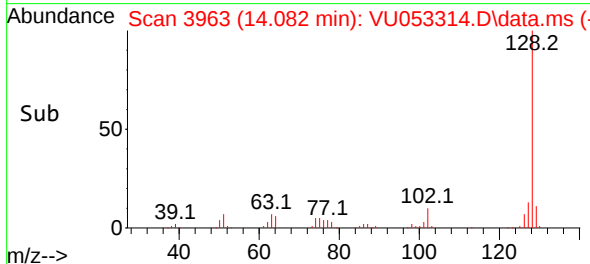
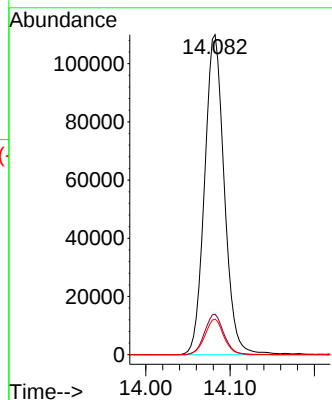
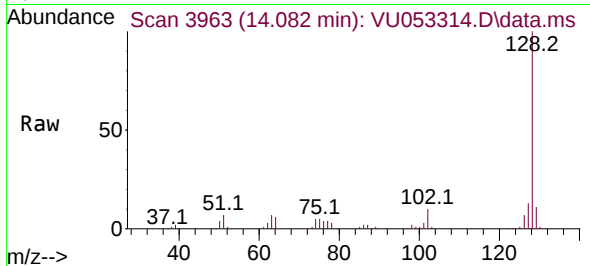




#71
Naphthalene
Concen: 50.850 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD050169

Tgt Ion:128 Resp: 179025
Ion Ratio Lower Upper
128 100
127 12.3 10.0 15.0
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 47.114 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.001 min
Lab File: VU053314.D
Acq: 21 Mar 2023 10:41

Tgt Ion:180 Resp: 46670
Ion Ratio Lower Upper
180 100
182 95.5 76.7 115.1
145 35.4 28.6 42.8

