

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
 Data File : VU053985.D
 Acq On : 29 Apr 2023 14:27
 Operator : JC/MD
 Sample : VSTD20021
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200021

Quant Time: May 01 01:53:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 01:49:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	282156	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	265206	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	151970	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	444173	204.358	ug/L	0.00
7) Chloroethane-d5	1.912	69	285667	174.649	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	782451	226.242	ug/L	0.00
21) 2-Butanone-d5	4.623	46	528251	508.911	ug/L	0.00
24) Chloroform-d	5.057	84	807361	219.622	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	509846	231.317	ug/L	0.00
32) Benzene-d6	5.723	84	1593738	219.229	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	504789	224.823	ug/L	0.00
41) Toluene-d8	7.893	98	1486602	208.561	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	267303	230.920	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	398859	514.499	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	673903	216.903	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	603430	191.341	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	398684	179.035	ug/L	100
3) Chloromethane	1.520	50	365810	196.383	ug/L	99
5) Vinyl chloride	1.604	62	397277	185.948	ug/L	99
6) Bromomethane	1.858	94	218585	146.991	ug/L	97
8) Chloroethane	1.932	64	204327	161.335	ug/L	100
9) Trichlorofluoromethane	2.134	101	610939	186.130	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	369320	192.421	ug/L	100
12) 1,1-Dichloroethene	2.578	96	325954	190.680	ug/L	97
13) Acetone	2.636	43	423017	441.448	ug/L	97
14) Carbon disulfide	2.790	76	763628	174.868	ug/L	99
15) Methyl Acetate	2.945	43	379820	260.535	ug/L	98
16) Methylene chloride	3.041	84	384793	196.627	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	334695	195.091	ug/L	100
18) Methyl tert-butyl Ether	3.356	73	1264869	240.675	ug/L	98
19) 1,1-Dichloroethane	3.864	63	706642	235.217	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	415075	206.628	ug/L	97
22) 2-Butanone	4.700	43	570267	496.263	ug/L	98
23) Bromochloromethane	4.967	128	209624	189.832	ug/L	98
25) Chloroform	5.080	83	747697	220.788	ug/L	99
27) 1,2-Dichloroethane	5.787	62	579379	230.191	ug/L	98
29) Cyclohexane	5.385	56	556752	215.865	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	646936	216.823	ug/L	99
31) Carbon tetrachloride	5.520	117	563250	212.132	ug/L	98
33) Benzene	5.768	78	1498819	212.099	ug/L	100
34) Trichloroethene	6.536	95	407733	195.659	ug/L	98
35) Methylcyclohexane	6.758	83	588621	194.176	ug/L	99
37) 1,2-Dichloropropane	6.784	63	419898	229.089	ug/L	99
38) Bromodichloromethane	7.099	83	561018	232.107	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	711726	238.730	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	1057516	519.213	ug/L	100
42) Toluene	7.964	91	1602081	203.409	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	680658	242.675	ug/L	99

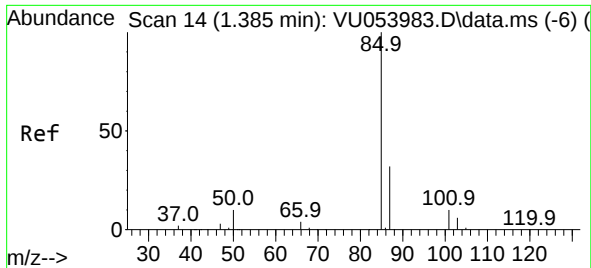
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043023\
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Quant Time: May 01 01:53:29 2023
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 Quant Title : VOC Analysis
 QLast Update : Mon May 01 01:49:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	410010	209.612	ug/L	98
46) Tetrachloroethene	8.549	164	308517	181.084	ug/L	100
48) 2-Hexanone	8.681	43	839164	509.607	ug/L	99
49) Dibromochloromethane	8.803	129	438303	218.076	ug/L	96
50) 1,2-Dibromoethane	8.919	107	432097	200.663	ug/L	99
51) Chlorobenzene	9.443	112	1066739	198.083	ug/L	100
52) Ethylbenzene	9.565	91	1860324	212.231	ug/L	100
53) m,p-Xylene	9.687	106	697059	204.665	ug/L	95
54) o-Xylene	10.095	106	687033	204.499	ug/L	99
55) Styrene	10.108	104	1204562	217.264	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	662560	226.407	ug/L	100
59) Bromoform	10.285	173	353696	223.632	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	519170	224.500	ug/L	99
61) Isopropylbenzene	10.478	105	1881045	206.452	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	1607816	212.831	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	1599589	213.639	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	908324	193.292	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	923985	192.425	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	911538	194.068	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	152365	246.146	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	696865	200.981	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	660493	205.655	ug/L	99
71) Naphthalene	14.079	128	1992535	208.108	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	644124	200.638	ug/L	100

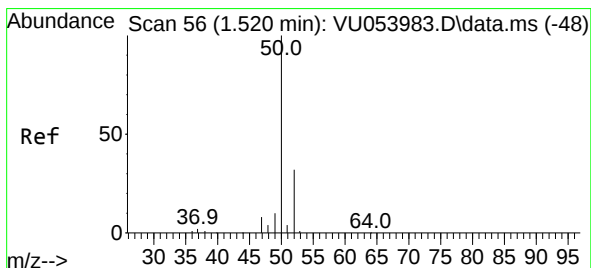
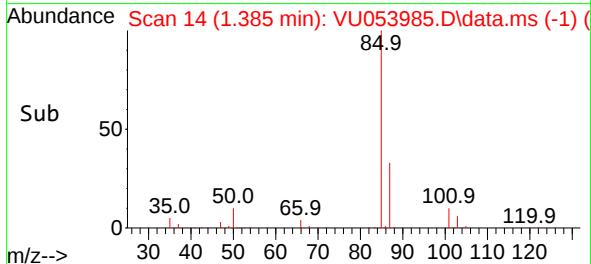
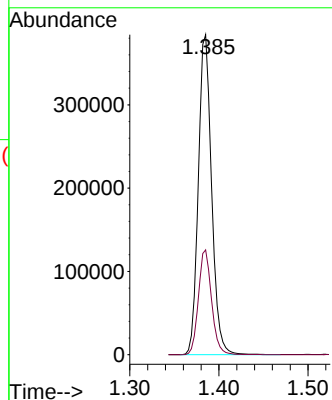
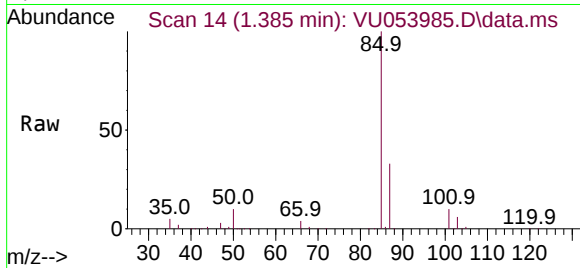
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 179.035 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053985.D
 Acq: 29 Apr 2023 14:27

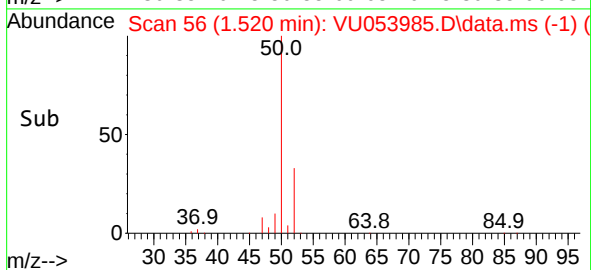
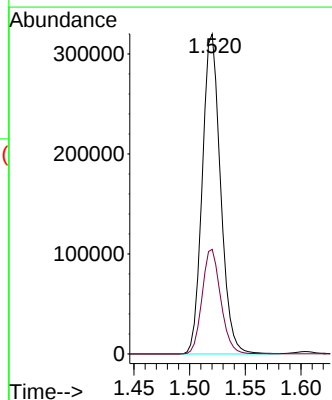
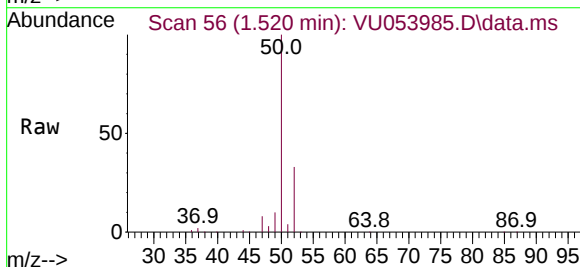
Instrument :
 MSVOA_U
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 VSTD200021

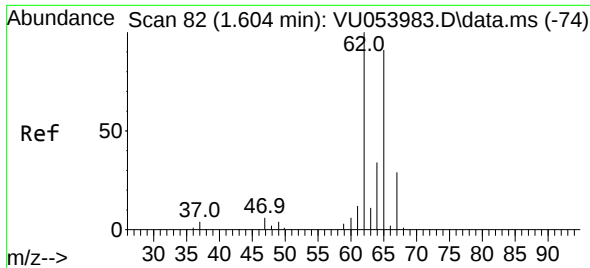
Tgt Ion: 85 Resp: 398684
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.0 39.0



#3
 Chloromethane
 Concen: 196.383 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053985.D
 Acq: 29 Apr 2023 14:27

Tgt Ion: 50 Resp: 365810
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.4 41.6

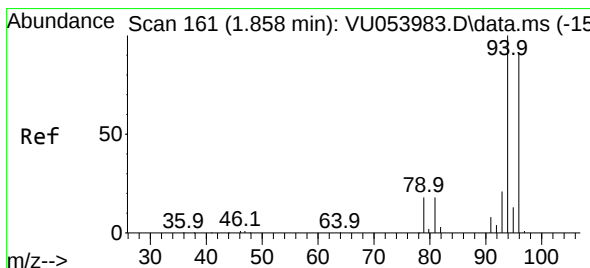
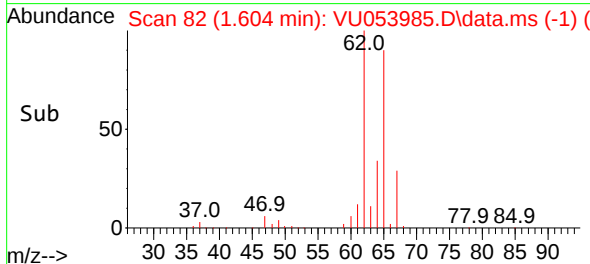
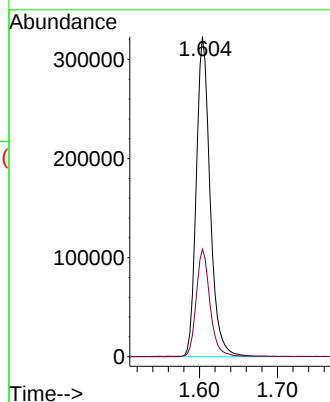
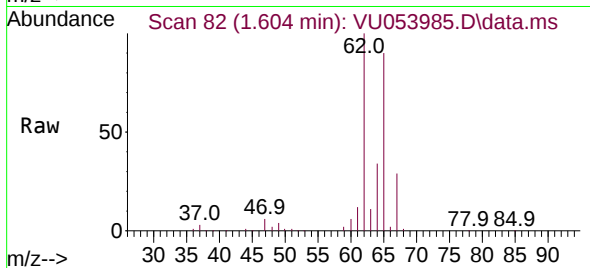




#5
 Vinyl chloride
 Concen: 185.948 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053985.D
 Acq: 29 Apr 2023 14:27

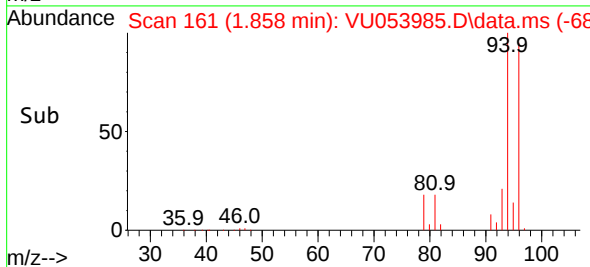
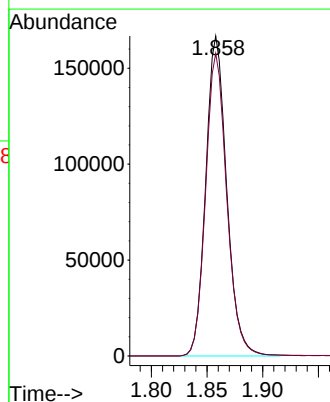
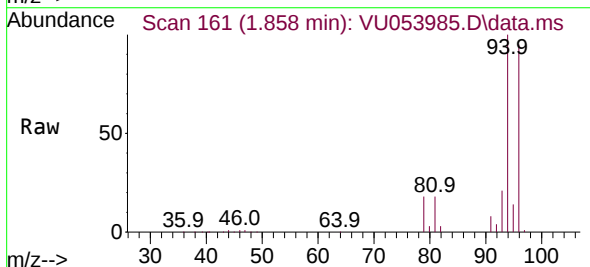
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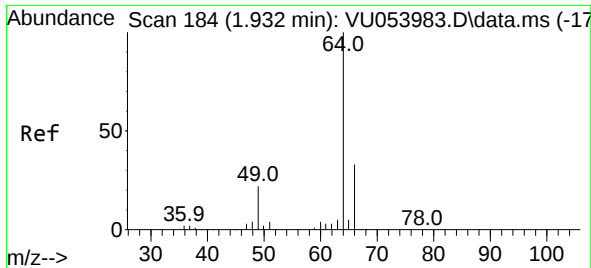
Tgt Ion: 62 Resp: 397277
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.1 44.7



#6
 Bromomethane
 Concen: 146.991 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053985.D
 Acq: 29 Apr 2023 14:27

Tgt Ion: 94 Resp: 218585
 Ion Ratio Lower Upper
 94 100
 96 94.6 63.9 118.7

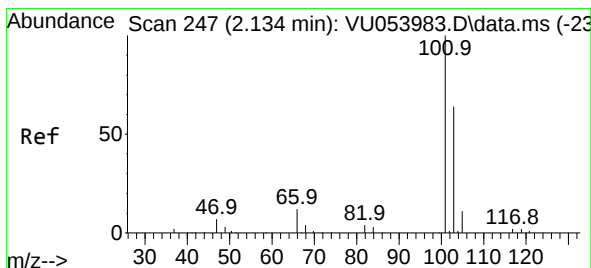
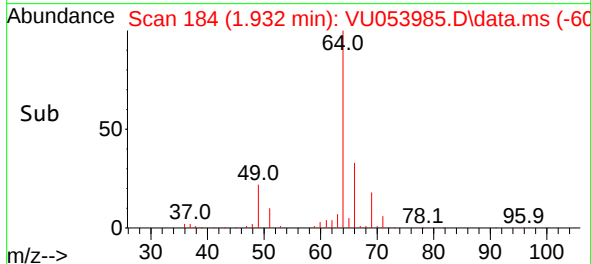
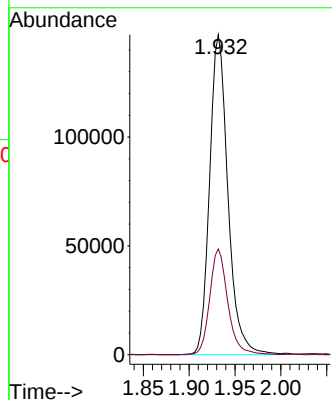
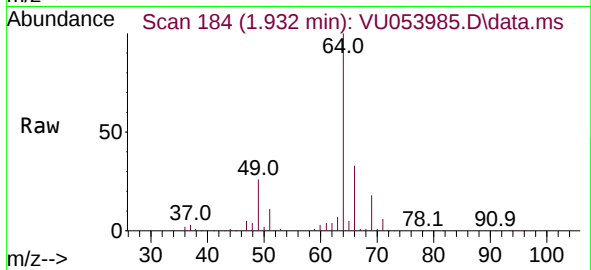




#8
Chloroethane
Concen: 161.335 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

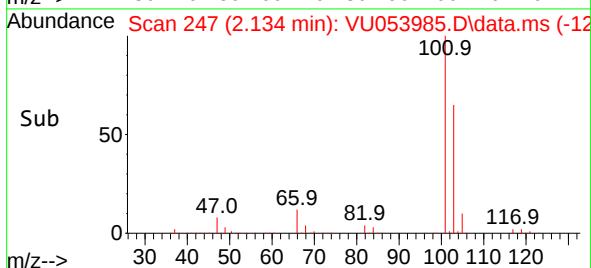
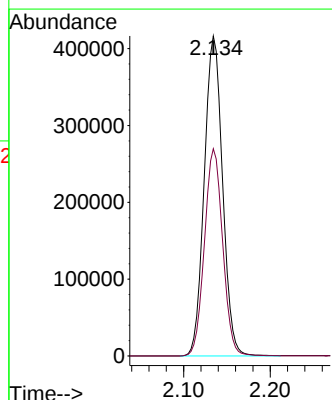
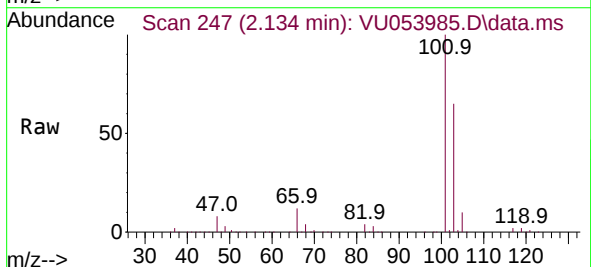
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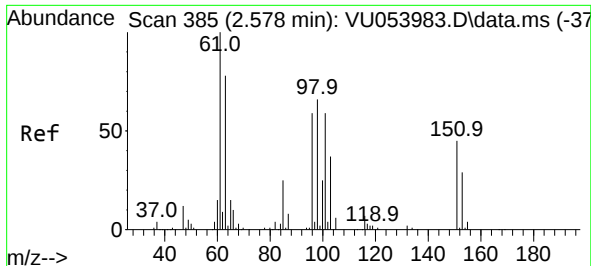
Tgt Ion: 64 Resp: 204327
Ion Ratio Lower Upper
64 100
66 33.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 186.130 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion:101 Resp: 610939
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 192.421 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD200021

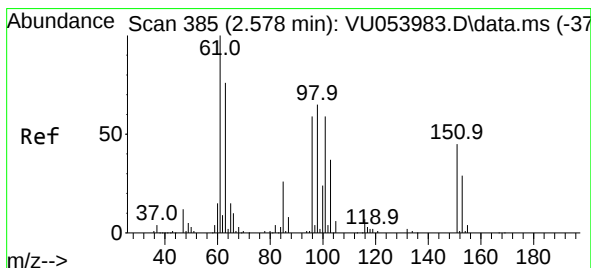
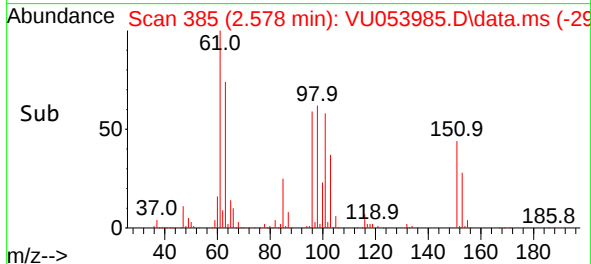
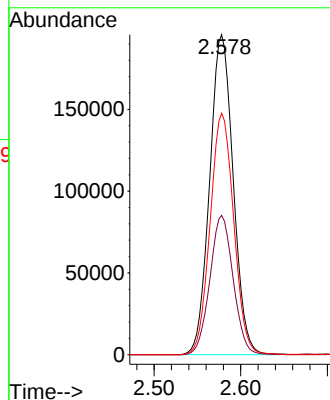
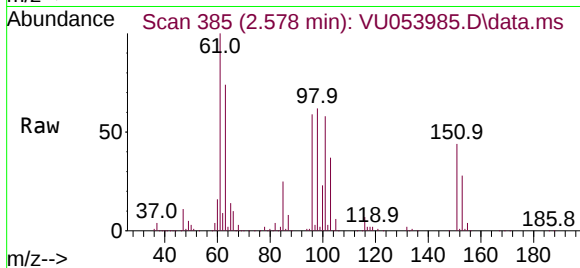
Tgt Ion:101 Resp: 369320

Ion Ratio Lower Upper

101 100

85 43.1 34.3 51.5

151 75.7 60.3 90.5



#12

1,1-Dichloroethene

Concen: 190.680 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

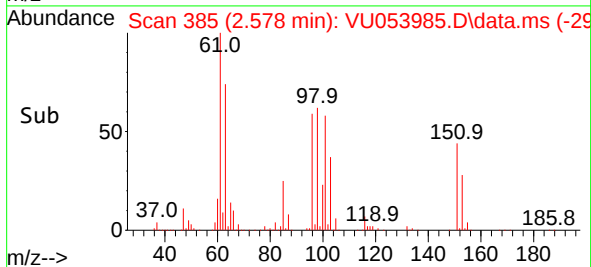
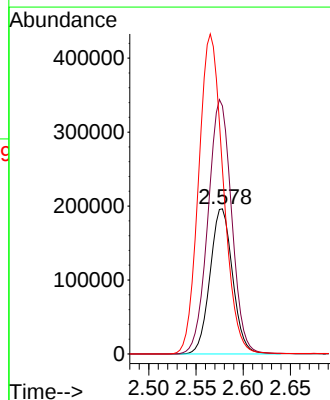
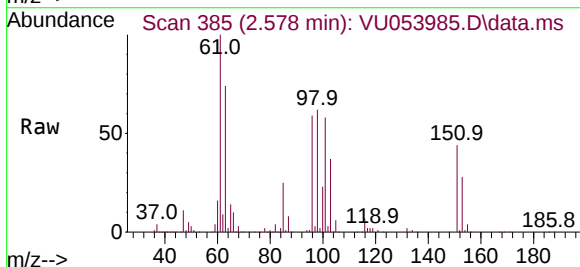
Tgt Ion: 96 Resp: 325954

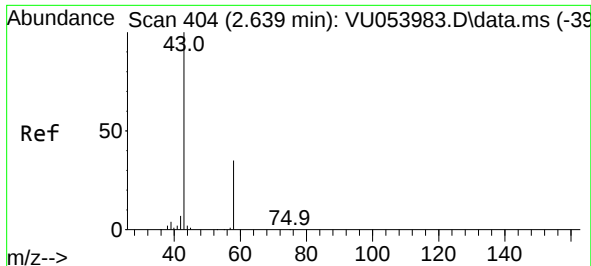
Ion Ratio Lower Upper

96 100

61 170.9 118.3 219.7

63 127.2 92.3 171.5





#13

Acetone

Concen: 441.448 ug/L

RT: 2.636 min Scan# 404

Delta R.T. -0.003 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

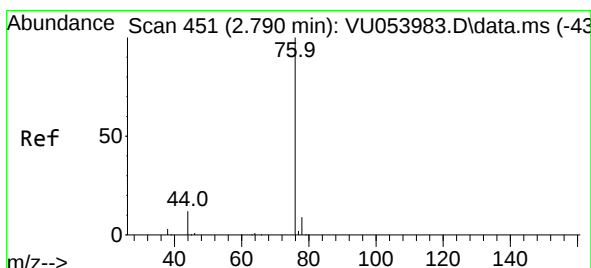
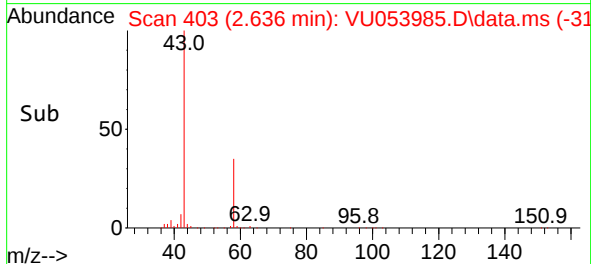
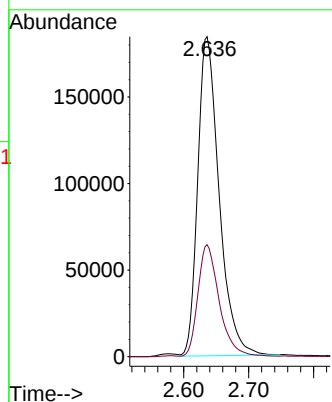
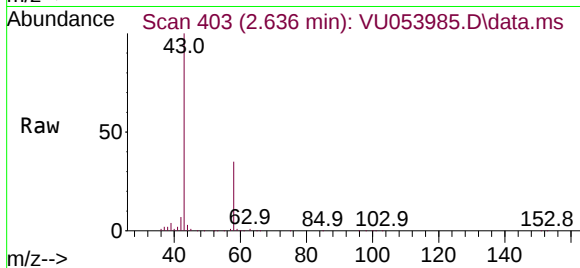
VSTD200021

Tgt Ion: 43 Resp: 423017

Ion Ratio Lower Upper

43 100

58 35.2 0.0 67.4



#14

Carbon disulfide

Concen: 174.868 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053985.D

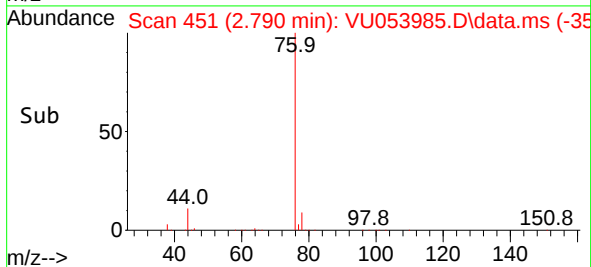
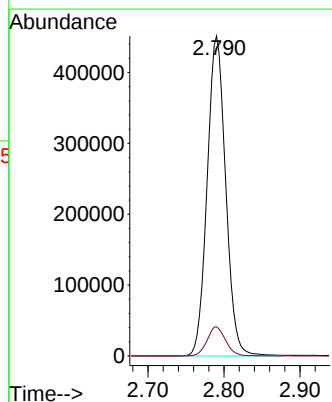
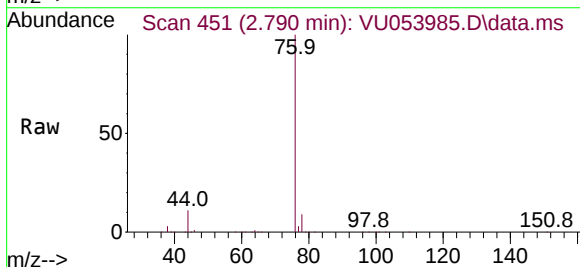
Acq: 29 Apr 2023 14:27

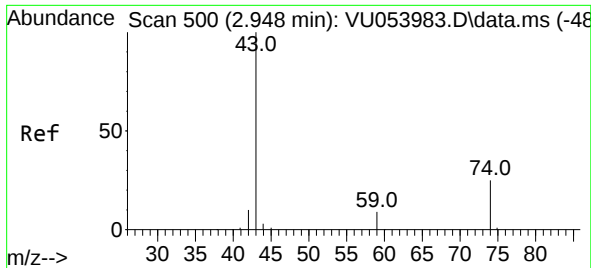
Tgt Ion: 76 Resp: 763628

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

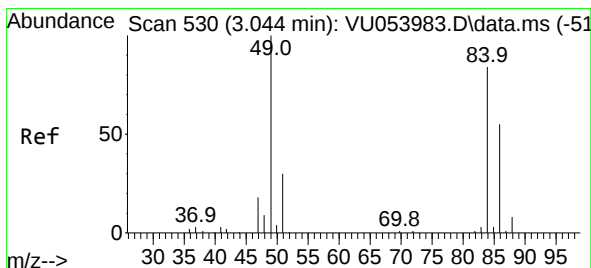
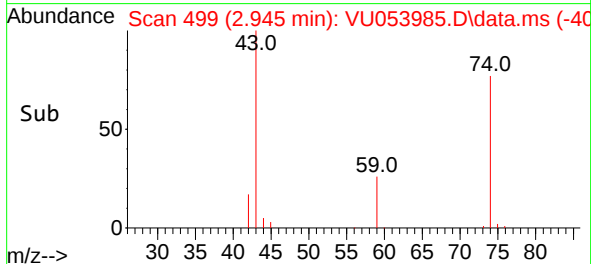
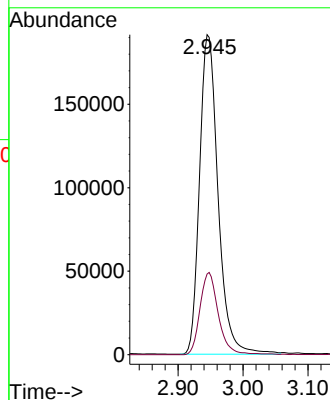
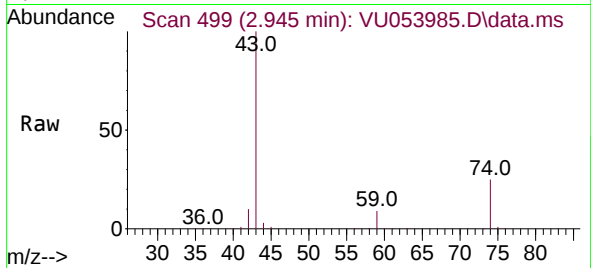




#15
Methyl Acetate
Concen: 260.535 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

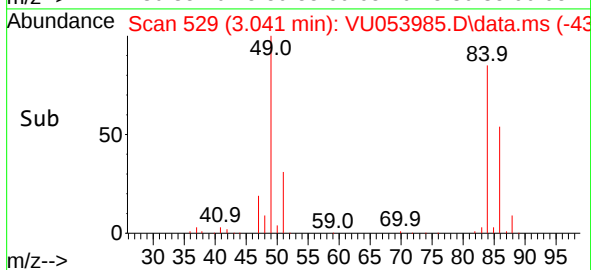
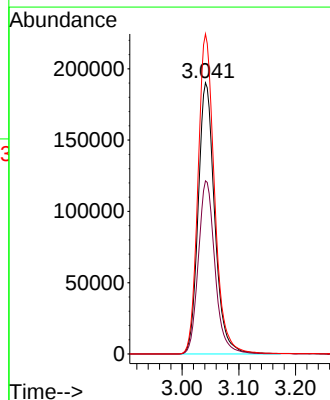
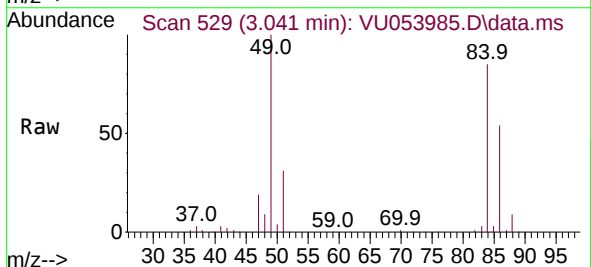
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

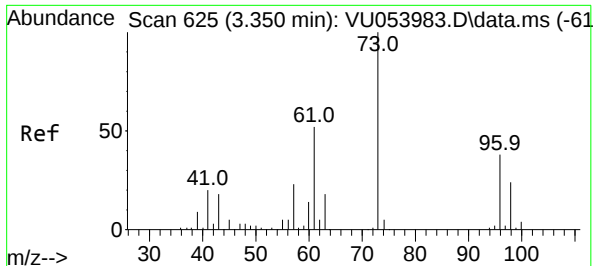
Tgt Ion: 43 Resp: 379820
Ion Ratio Lower Upper
43 100
74 25.2 21.2 31.8



#16
Methylene chloride
Concen: 196.627 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion: 84 Resp: 384793
Ion Ratio Lower Upper
84 100
86 63.8 45.8 85.2
49 118.0 83.0 154.2





#17

trans-1,2-Dichloroethene

Concen: 195.091 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD200021

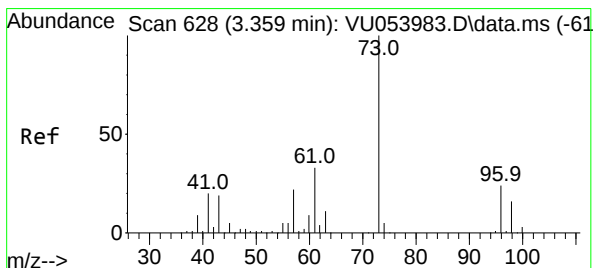
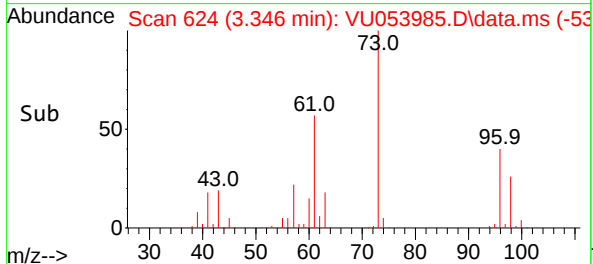
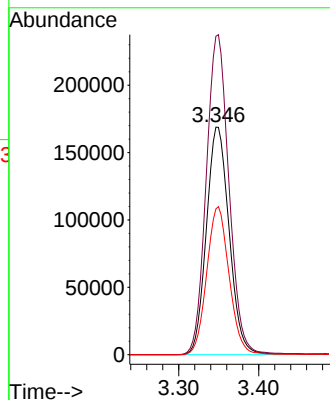
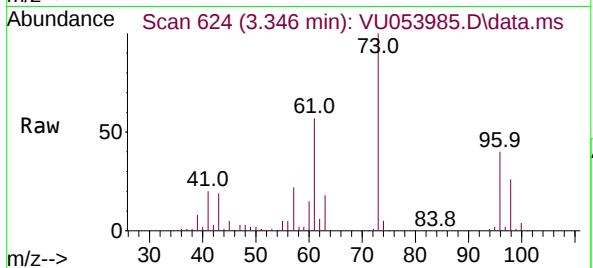
Tgt Ion: 96 Resp: 334695

Ion Ratio Lower Upper

96 100

61 140.0 97.5 181.1

98 64.1 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 240.675 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

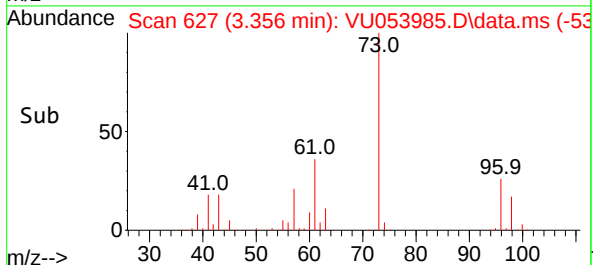
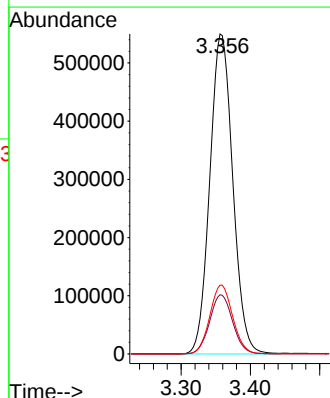
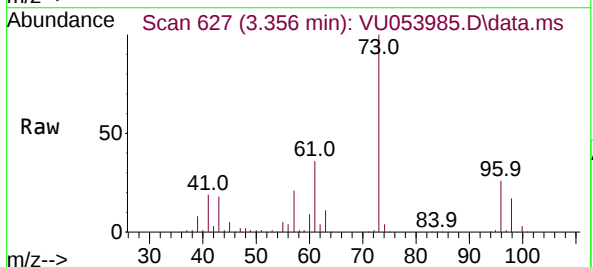
Tgt Ion: 73 Resp: 1264869

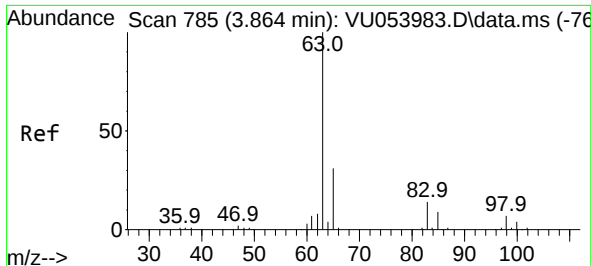
Ion Ratio Lower Upper

73 100

43 18.5 15.4 23.0

57 21.5 18.0 27.0

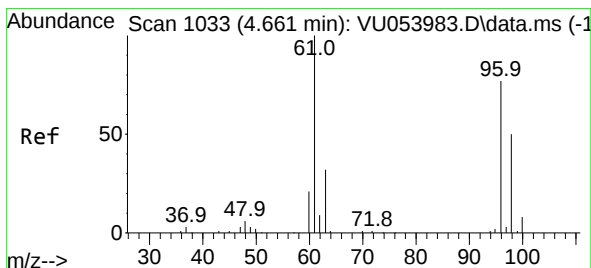
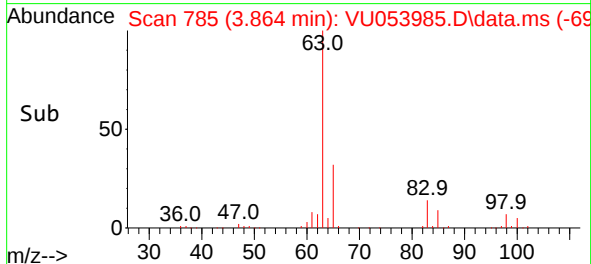
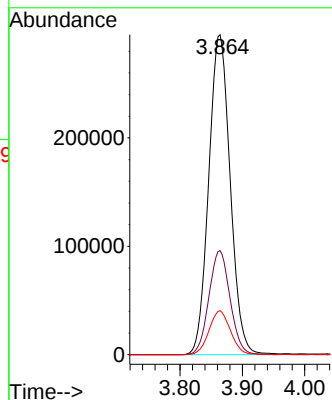
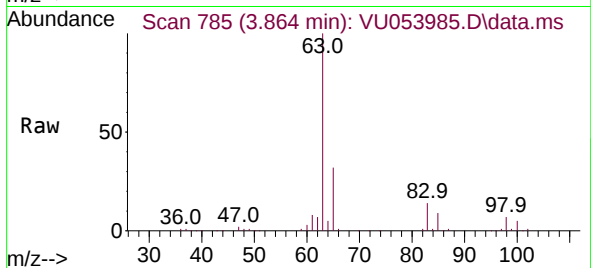




#19
1,1-Dichloroethane
Concen: 235.217 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

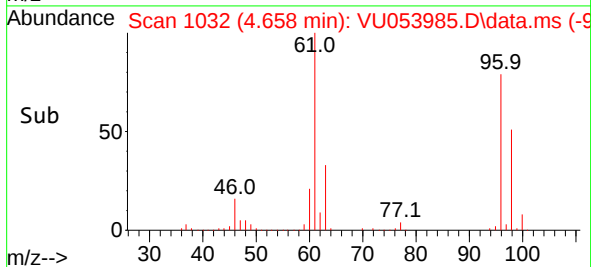
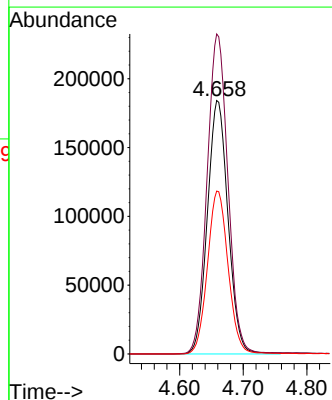
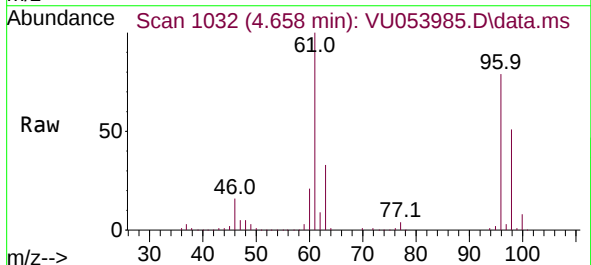
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

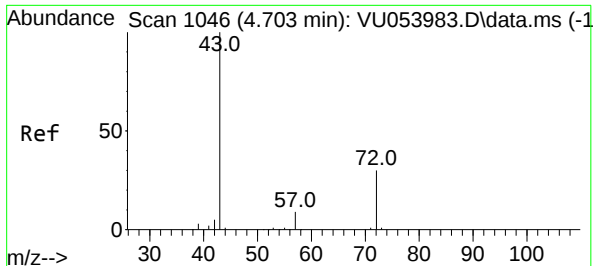
Tgt Ion: 63 Resp: 706642
Ion Ratio Lower Upper
63 100
65 32.5 22.0 40.8
83 13.8 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 206.628 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion: 96 Resp: 415075
Ion Ratio Lower Upper
96 100
61 126.3 90.9 168.9
98 64.3 45.7 84.9

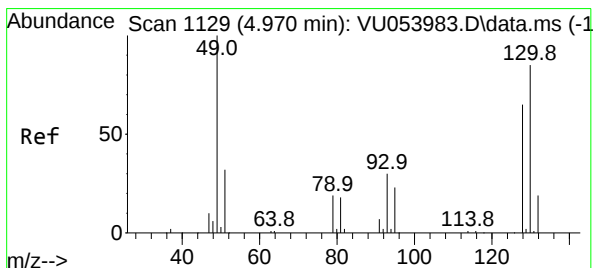
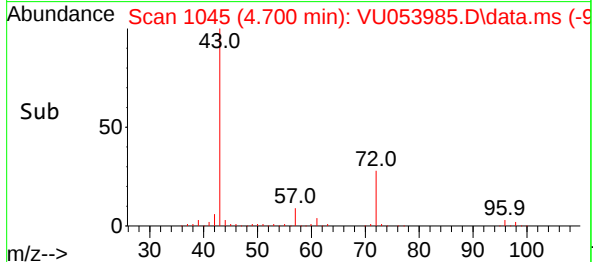
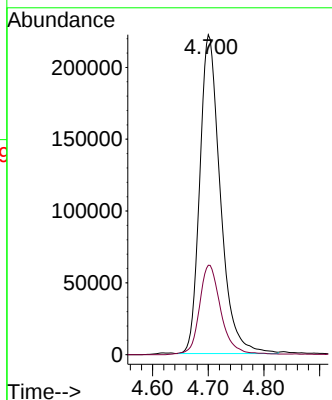
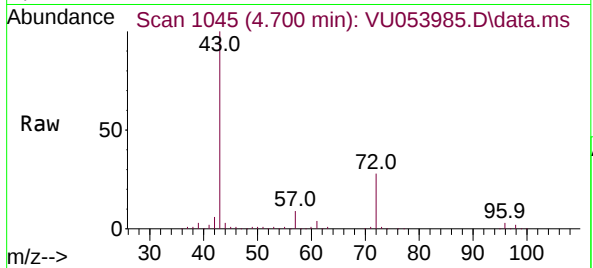




#22
2-Butanone
Concen: 496.263 ug/L
RT: 4.700 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

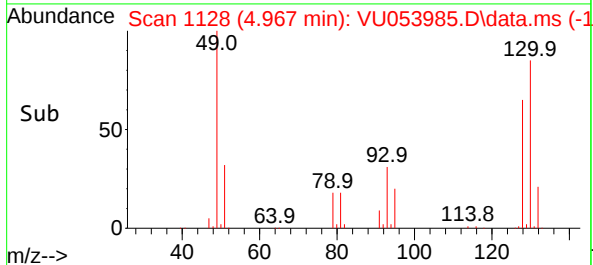
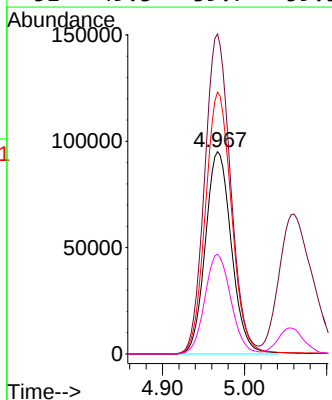
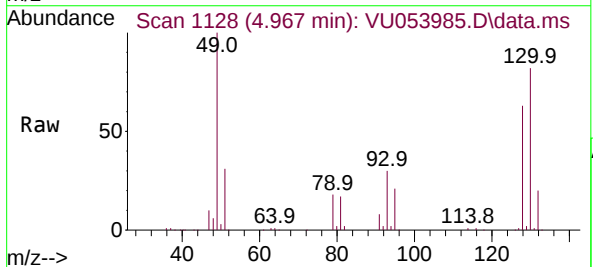
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

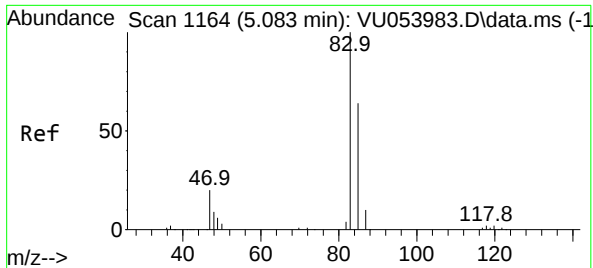
Tgt Ion: 43 Resp: 570267
Ion Ratio Lower Upper
43 100
72 29.0 14.0 41.9



#23
Bromochloromethane
Concen: 189.832 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion:128 Resp: 209624
Ion Ratio Lower Upper
128 100
49 158.3 107.5 199.7
130 129.5 91.0 169.0
51 49.3 39.7 59.5

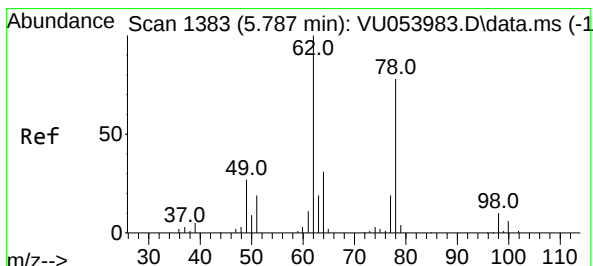
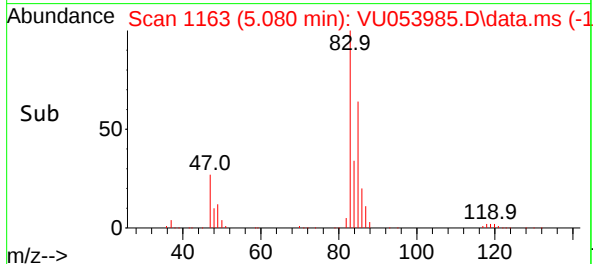
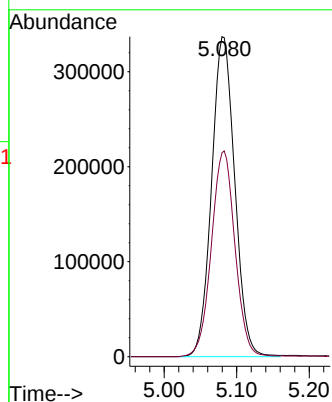
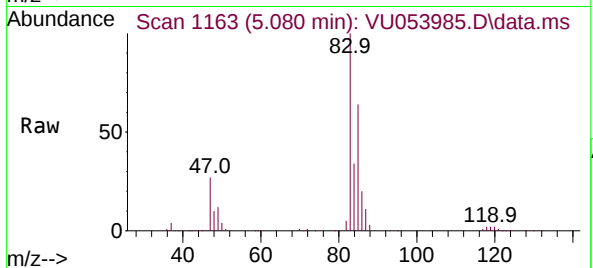




#25
Chloroform
Concen: 220.788 ug/L
RT: 5.080 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

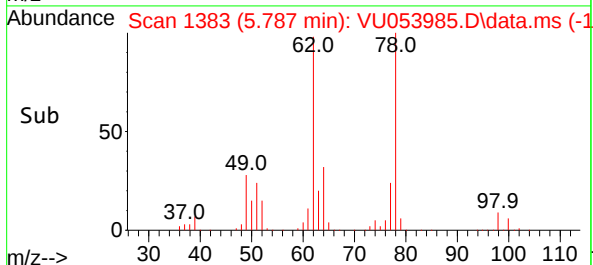
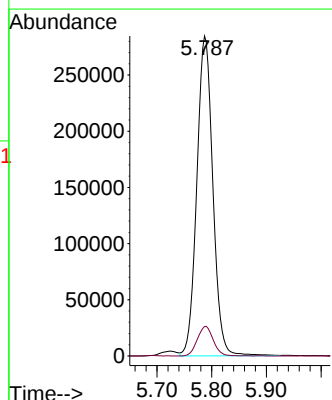
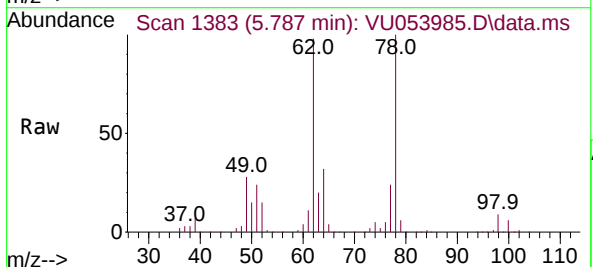
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

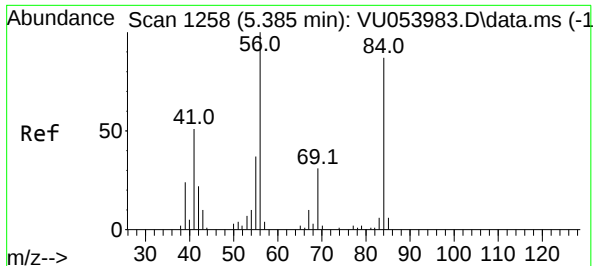
Tgt Ion: 83 Resp: 747697
Ion Ratio Lower Upper
83 100
85 63.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 230.191 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion: 62 Resp: 579379
Ion Ratio Lower Upper
62 100
98 9.2 8.0 12.0





#29

Cyclohexane

Concen: 215.865 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD200021

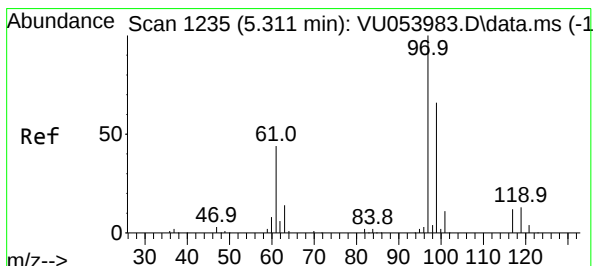
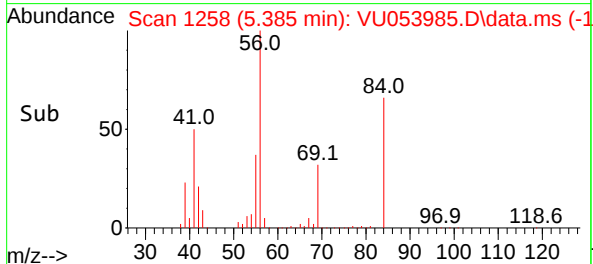
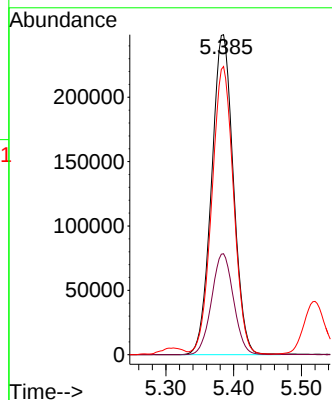
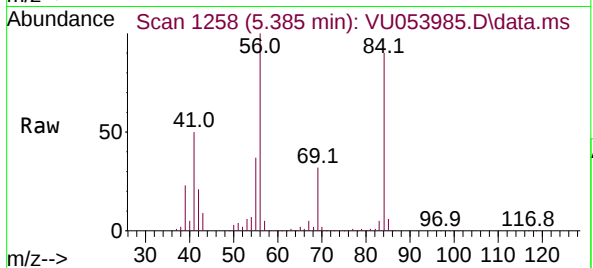
Tgt Ion: 56 Resp: 556752

Ion Ratio Lower Upper

56 100

69 31.6 25.8 38.6

84 89.6 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 216.823 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

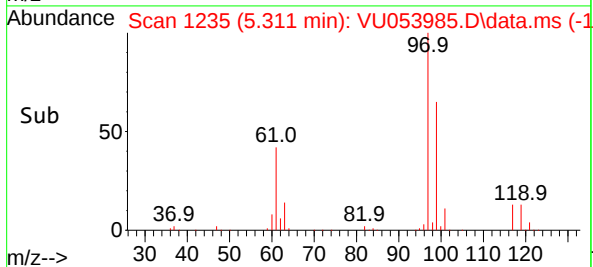
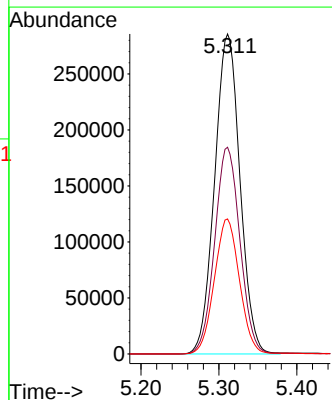
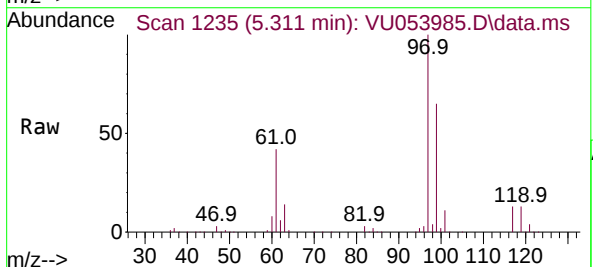
Tgt Ion: 97 Resp: 646936

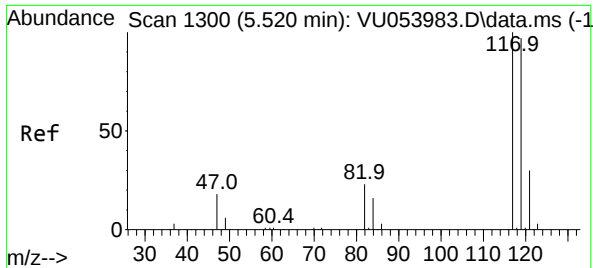
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 41.8 34.2 51.4

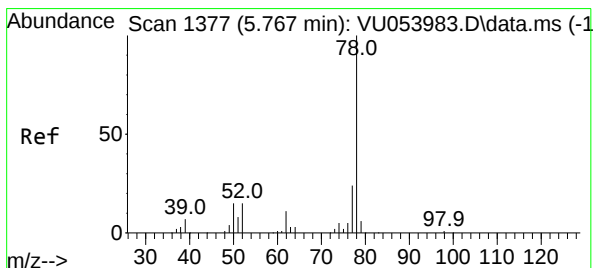
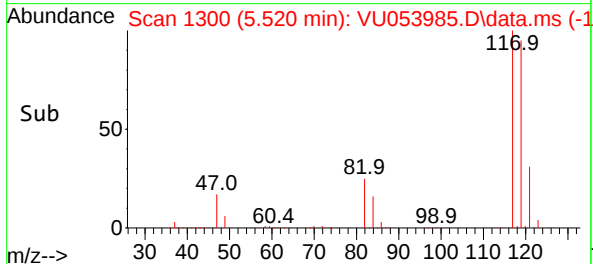
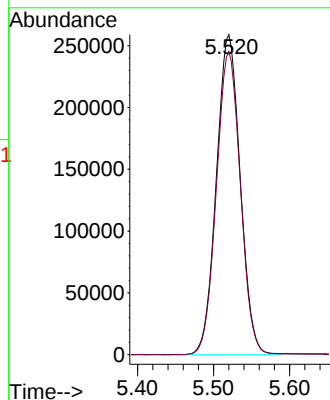
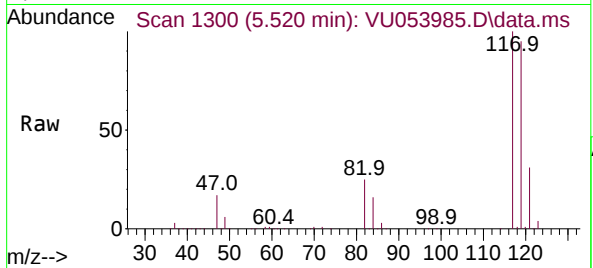




#31
Carbon tetrachloride
Concen: 212.132 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

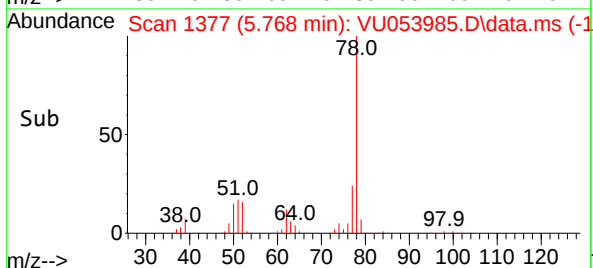
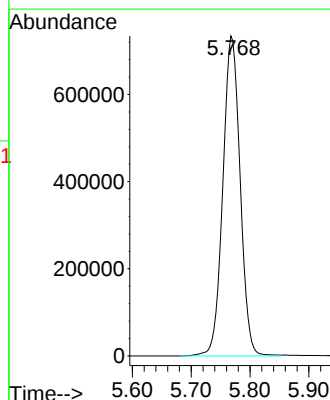
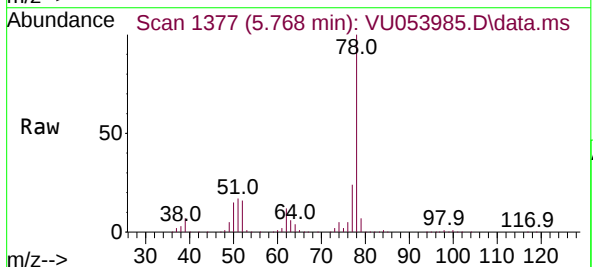
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

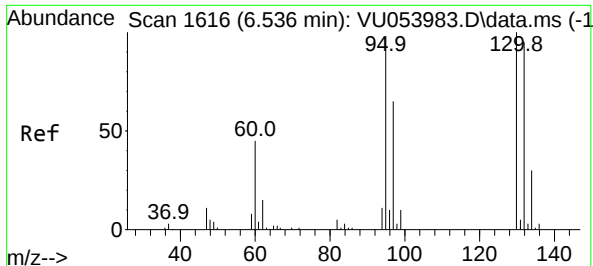
Tgt Ion:117 Resp: 563250
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6



#33
Benzene
Concen: 212.099 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion: 78 Resp: 1498819





#34

Trichloroethene

Concen: 195.659 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD200021

Tgt Ion: 95 Resp: 407733

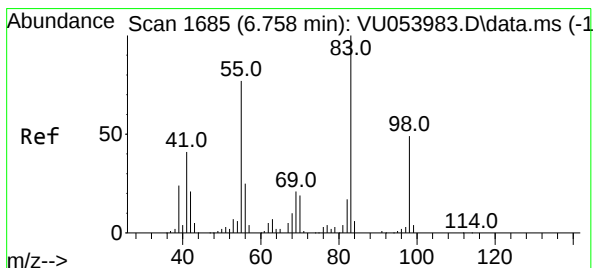
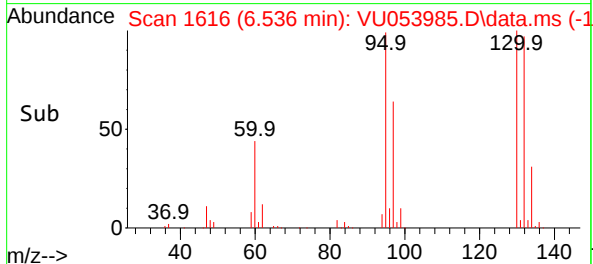
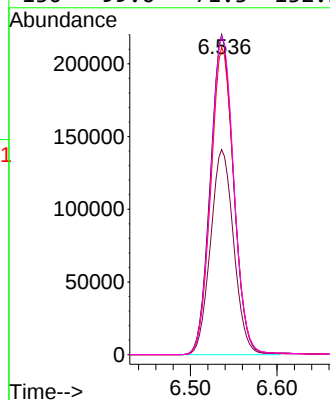
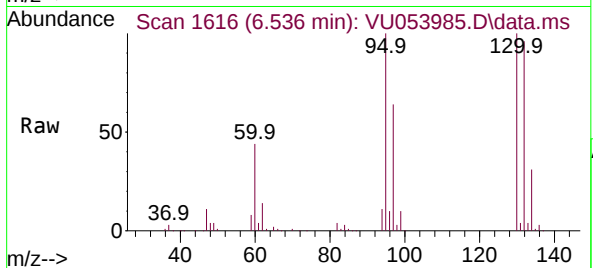
Ion Ratio Lower Upper

95 100

97 64.1 46.5 86.3

132 96.2 67.8 126.0

130 99.6 71.3 132.3



#35

Methylcyclohexane

Concen: 194.176 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

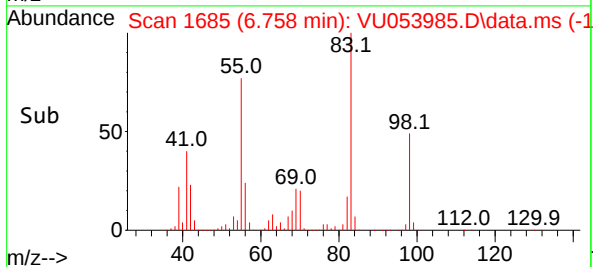
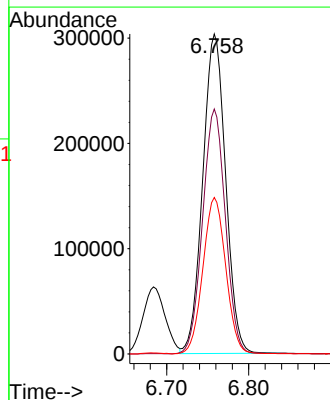
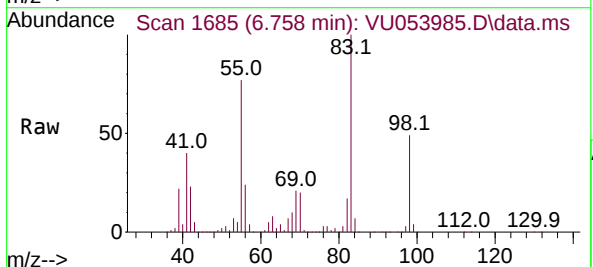
Tgt Ion: 83 Resp: 588621

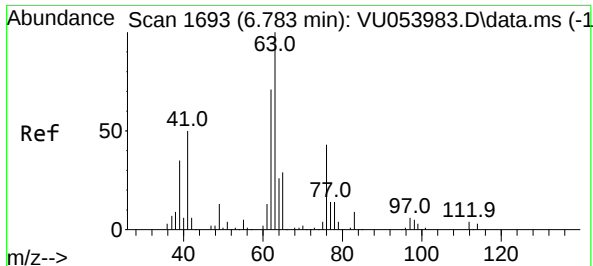
Ion Ratio Lower Upper

83 100

55 76.4 61.8 92.6

98 49.0 38.4 57.6





#37

1,2-Dichloropropane

Concen: 229.089 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

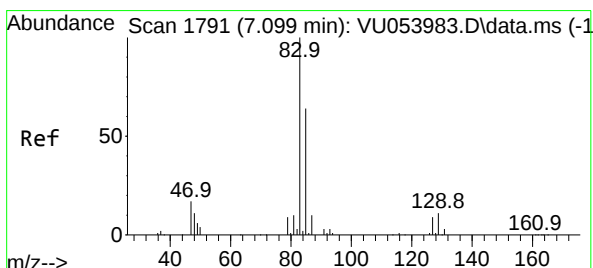
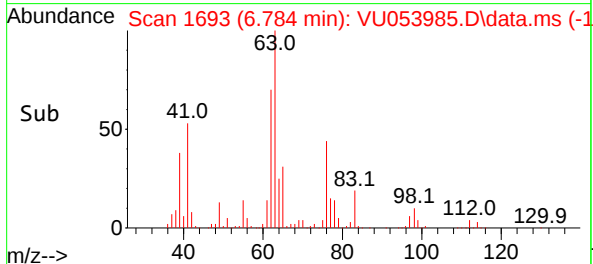
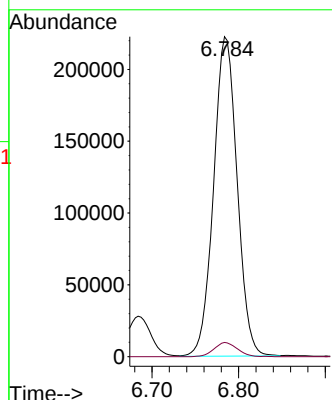
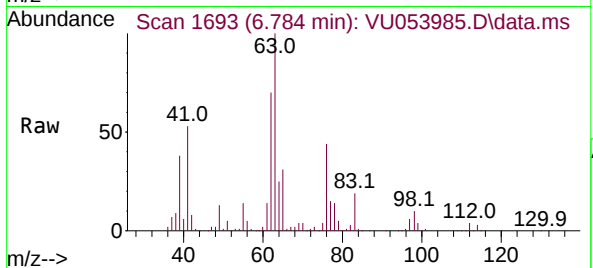
VSTD200021

Tgt Ion: 63 Resp: 419898

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 232.107 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

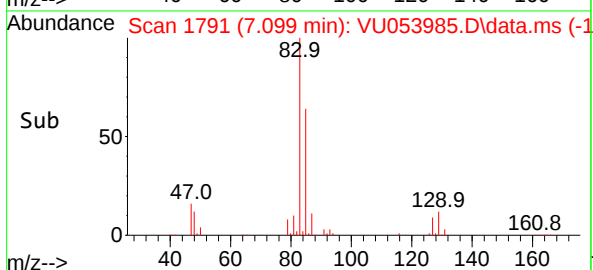
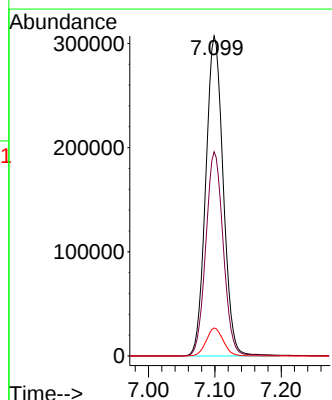
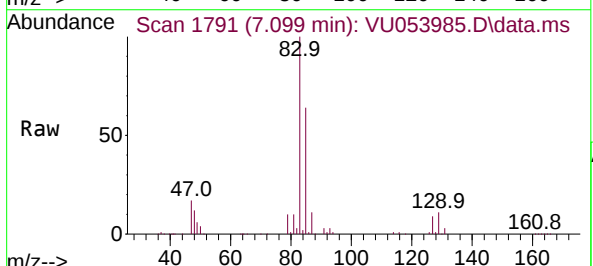
Tgt Ion: 83 Resp: 561018

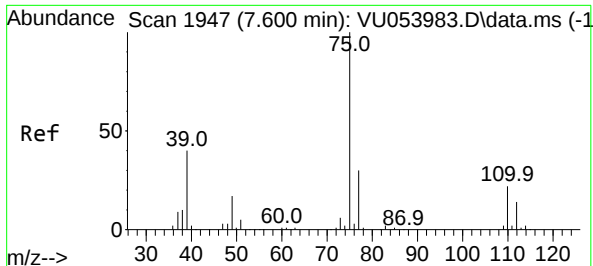
Ion Ratio Lower Upper

83 100

85 63.8 45.0 83.6

127 8.7 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 238.730 ug/L

RT: 7.600 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

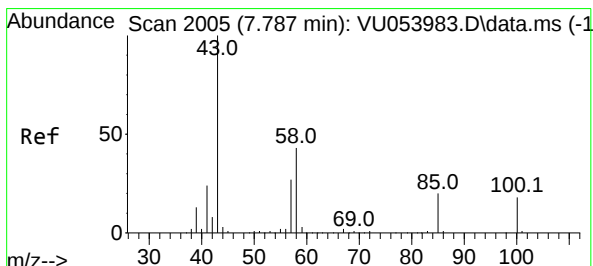
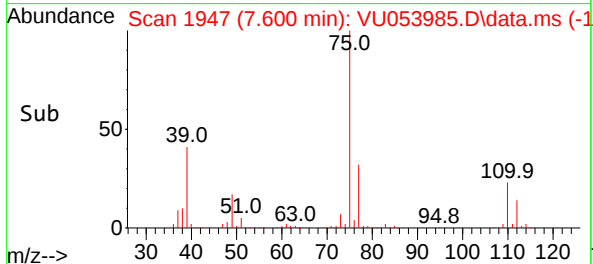
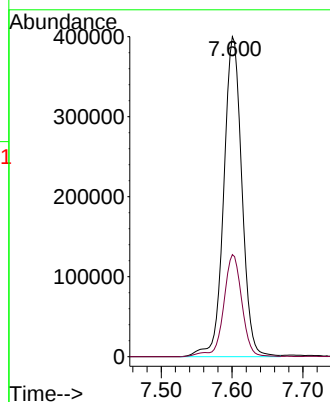
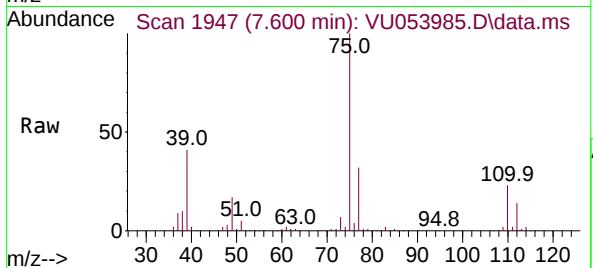
VSTD200021

Tgt Ion: 75 Resp: 711726

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 519.213 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

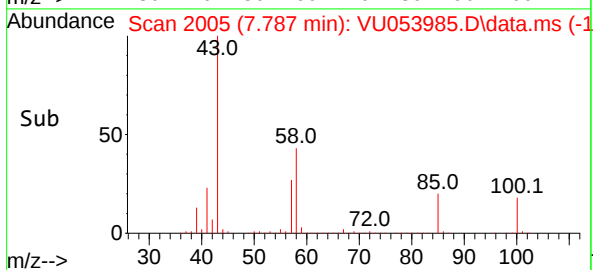
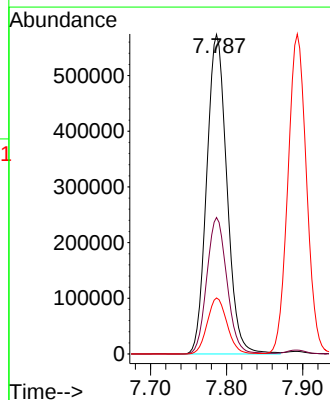
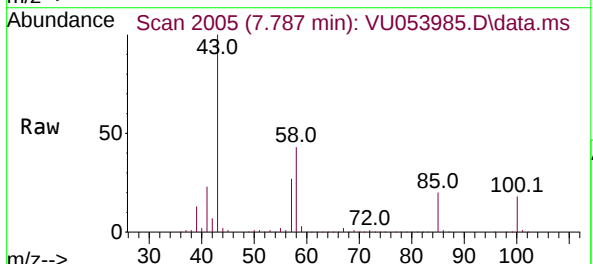
Tgt Ion: 43 Resp: 1057516

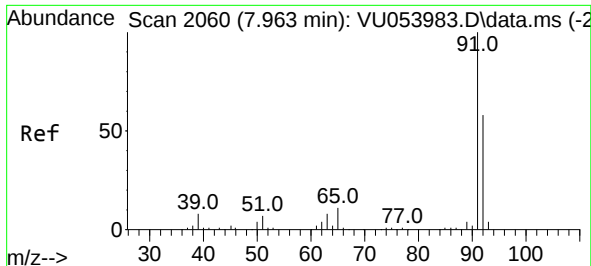
Ion Ratio Lower Upper

43 100

58 42.7 34.5 51.7

100 17.3 13.8 20.6





#42

Toluene

Concen: 203.409 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

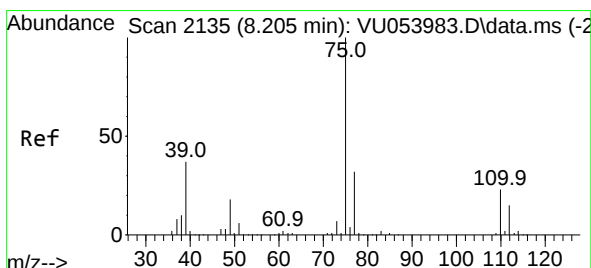
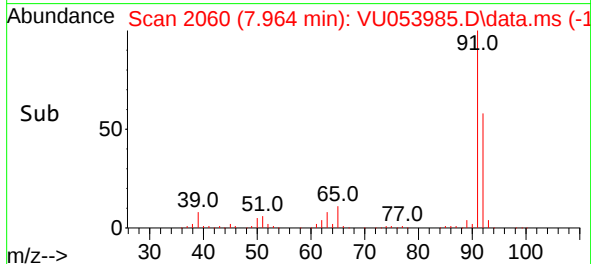
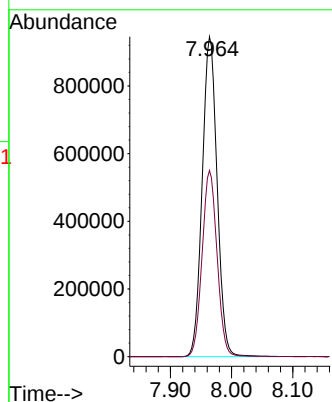
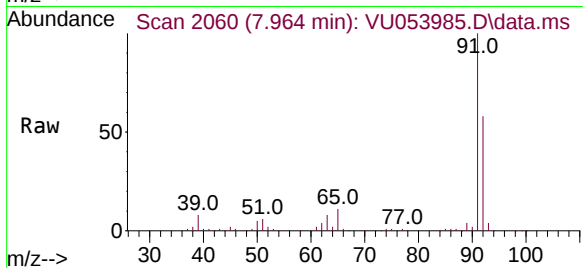
VSTD200021

Tgt Ion: 91 Resp: 1602081

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 242.675 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053985.D

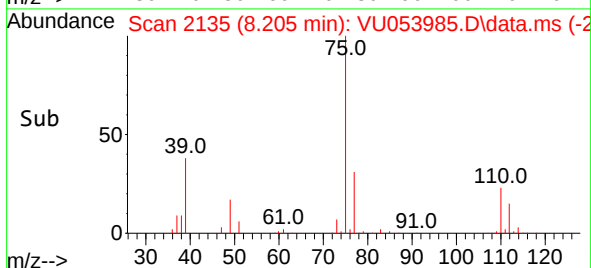
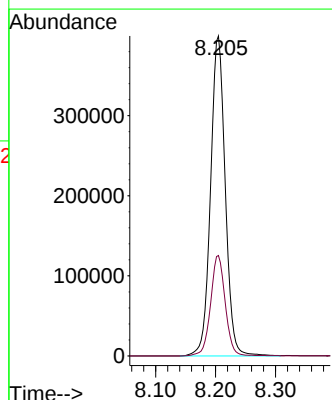
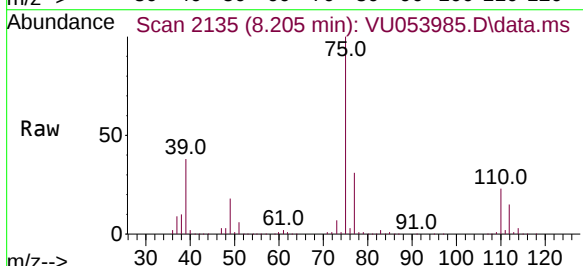
Acq: 29 Apr 2023 14:27

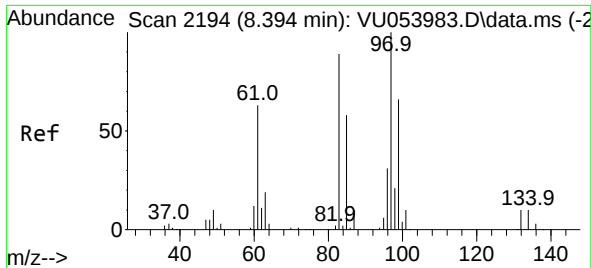
Tgt Ion: 75 Resp: 680658

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7



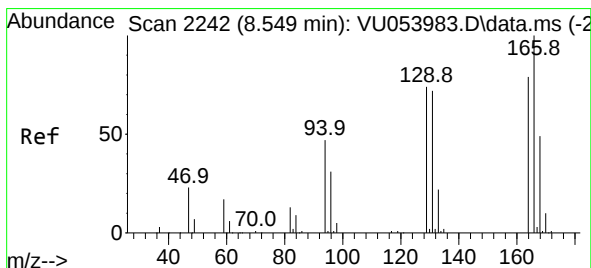
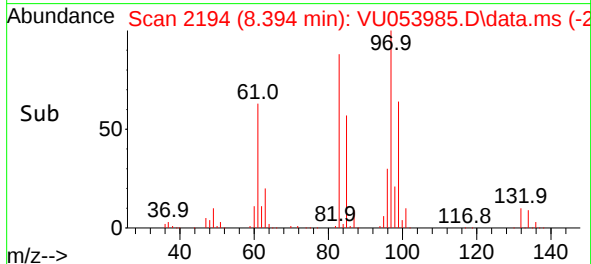
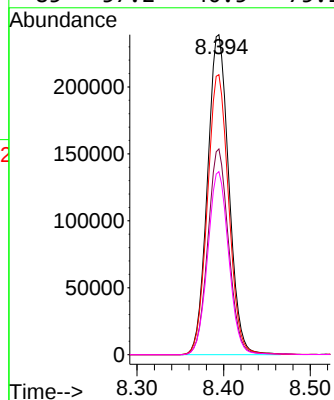
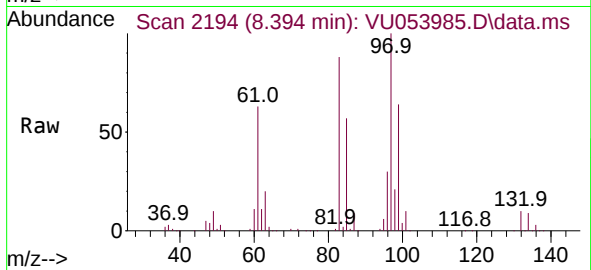


#45
1,1,2-Trichloroethane
Concen: 209.612 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

Tgt Ion: 97 Resp: 410010

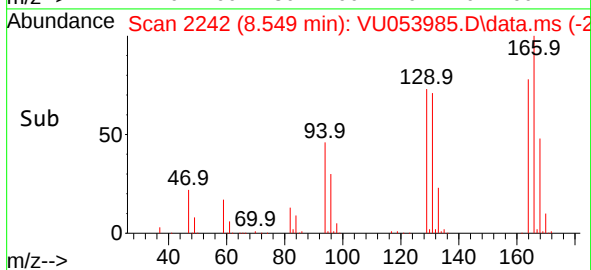
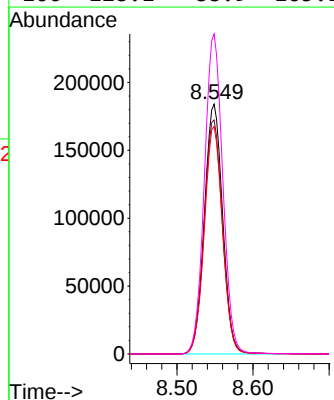
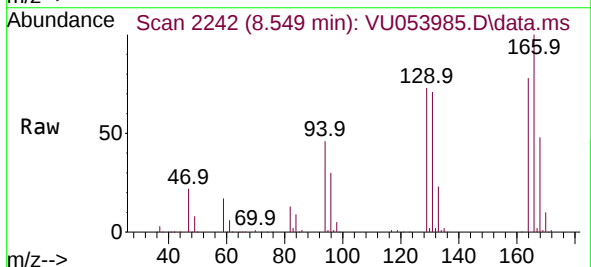
Ion	Ratio	Lower	Upper
97	100		
99	64.3	46.2	85.8
83	87.5	62.7	116.5
85	57.2	40.5	75.1

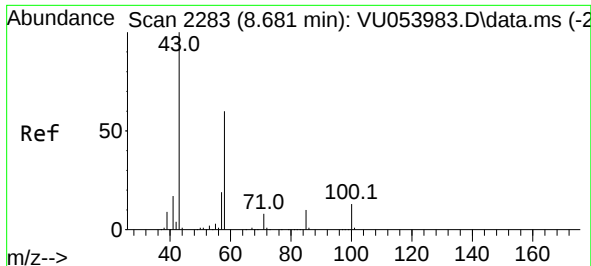


#46
Tetrachloroethene
Concen: 181.084 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion: 164 Resp: 308517

Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.6	121.8
131	91.1	63.8	118.4
166	128.1	88.9	165.1



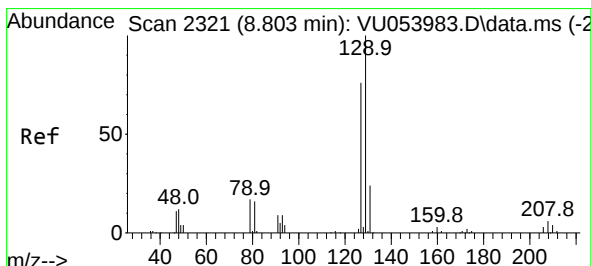
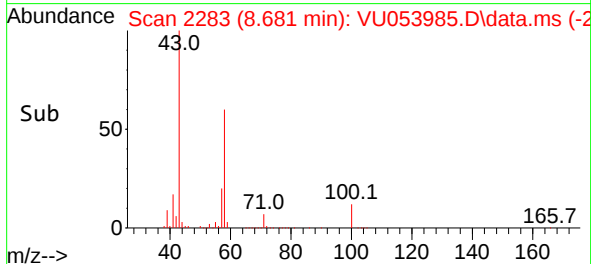
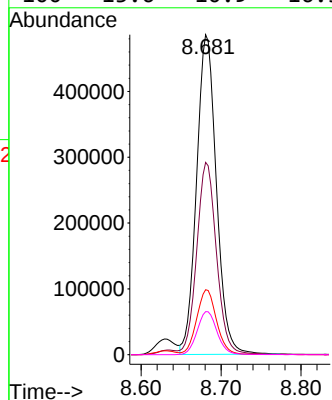
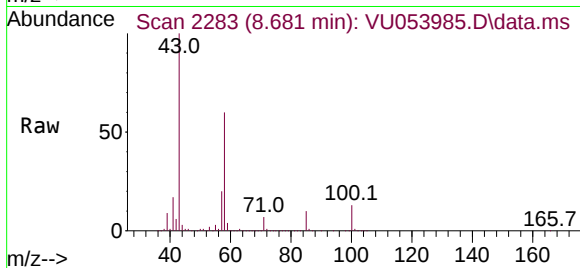


#48
2-Hexanone
Concen: 509.607 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

Tgt Ion: 43 Resp: 839164

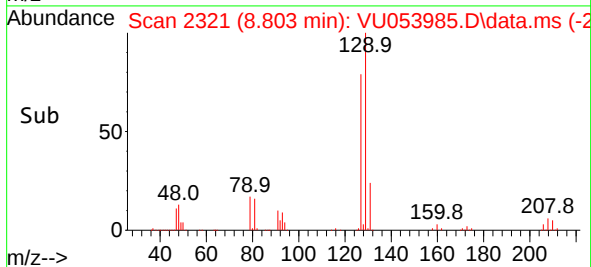
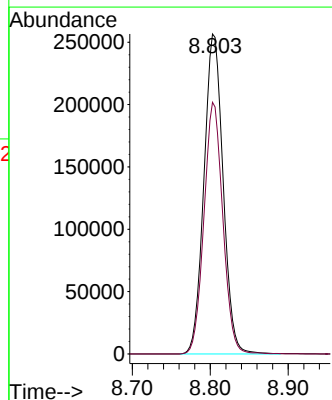
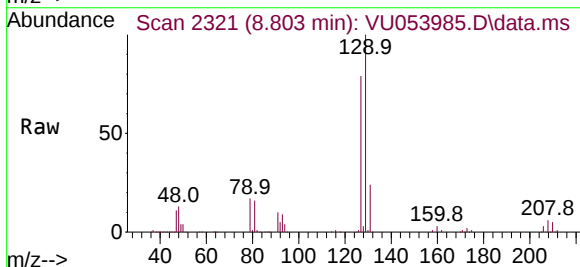
Ion	Ratio	Lower	Upper
43	100		
58	59.8	48.5	72.7
57	20.4	16.5	24.7
100	13.6	10.9	16.3

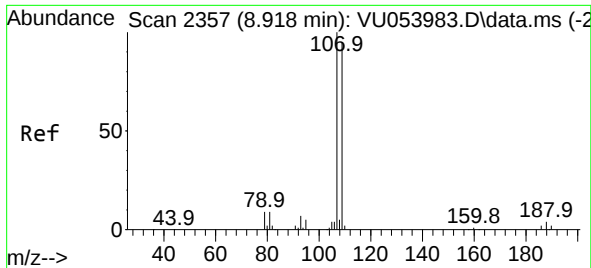


#49
Dibromochloromethane
Concen: 218.076 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion: 129 Resp: 438303

Ion	Ratio	Lower	Upper
129	100		
127	78.6	52.9	98.3





#50

1,2-Dibromoethane

Concen: 200.663 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD200021

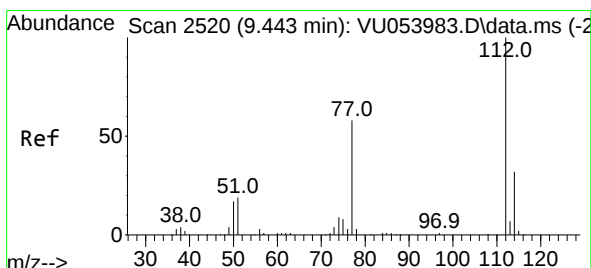
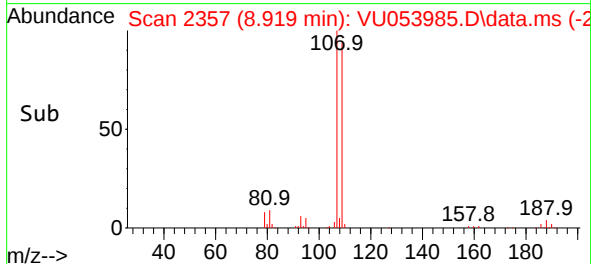
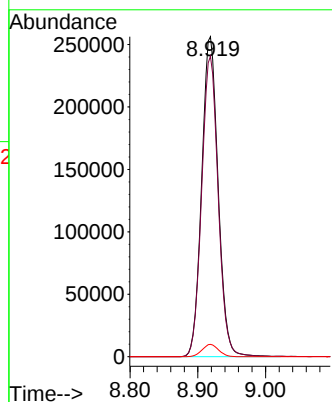
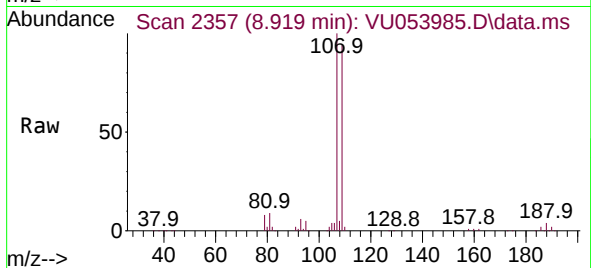
Tgt Ion:107 Resp: 432097

Ion Ratio Lower Upper

107 100

109 93.9 66.1 122.8

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 198.083 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

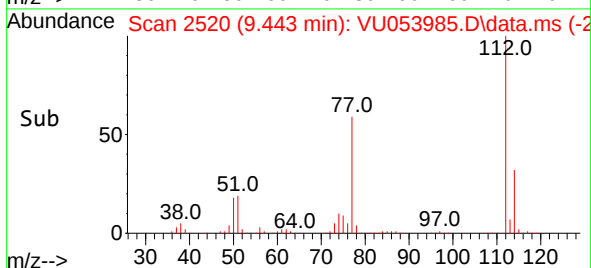
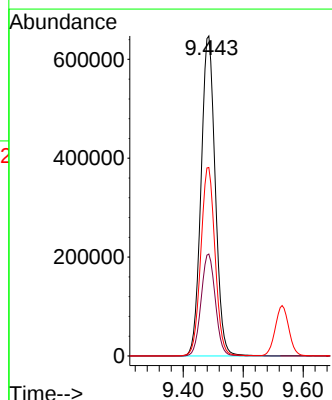
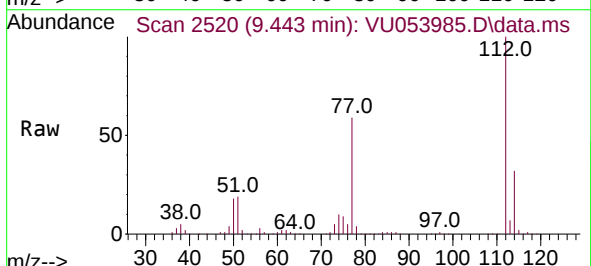
Tgt Ion:112 Resp: 1066739

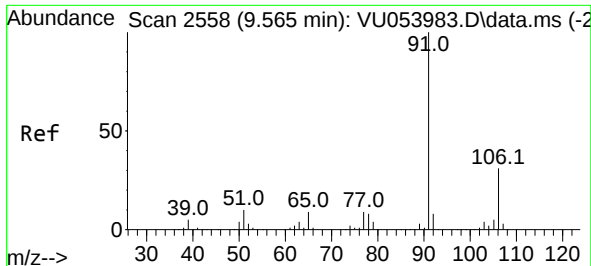
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 58.9 47.0 70.4

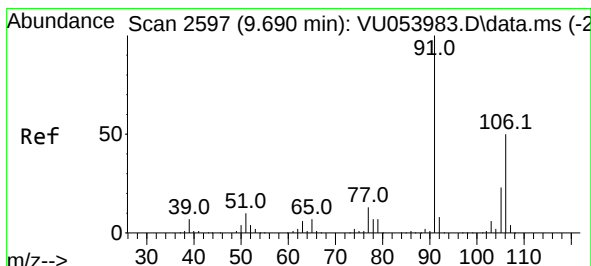
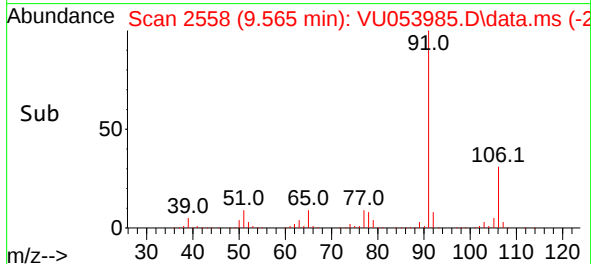
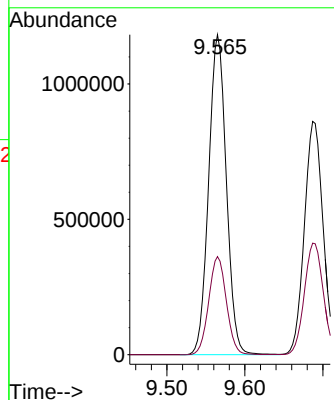
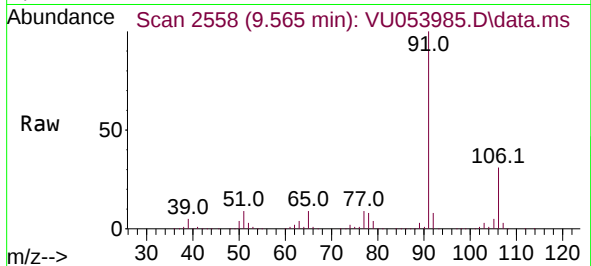




#52
Ethylbenzene
Concen: 212.231 ug/L
RT: 9.565 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

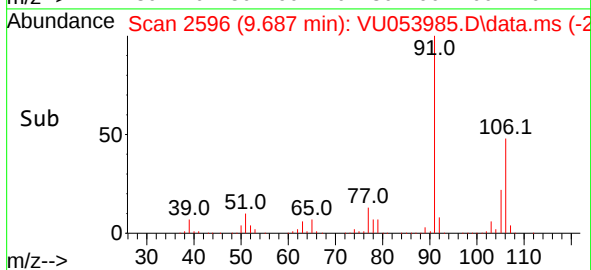
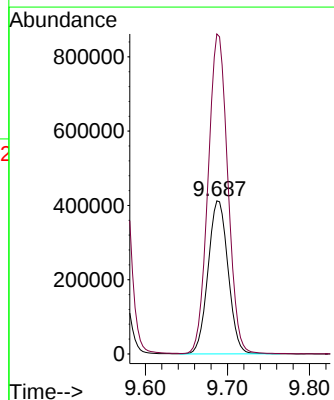
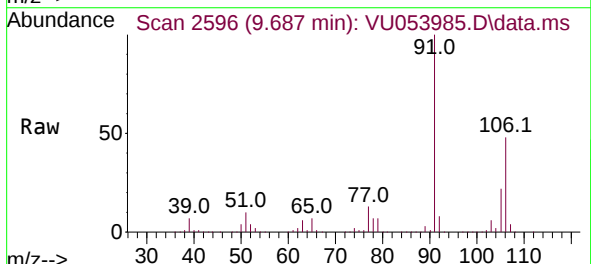
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

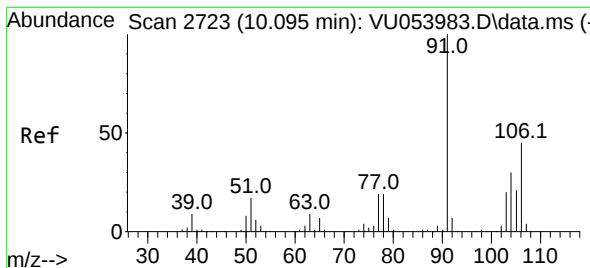
Tgt Ion: 91 Resp: 1860324
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#53
m,p-Xylene
Concen: 204.665 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion:106 Resp: 697059
Ion Ratio Lower Upper
106 100
91 209.0 140.5 260.9





#54

o-Xylene

Concen: 204.499 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

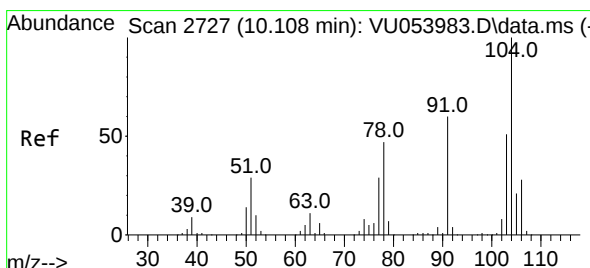
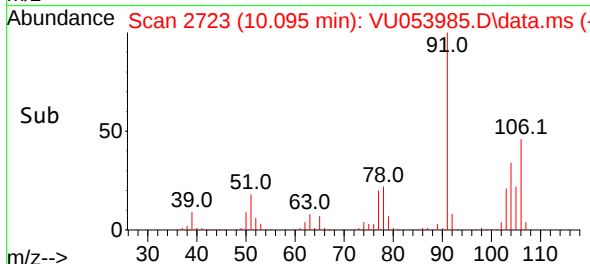
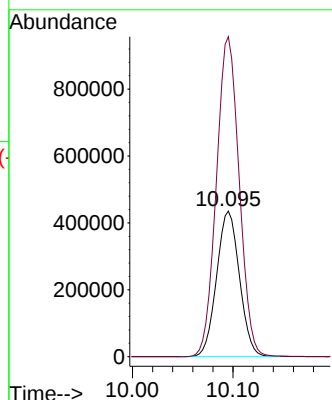
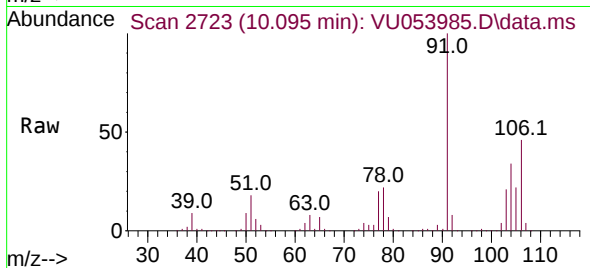
VSTD200021

Tgt Ion:106 Resp: 687033

Ion Ratio Lower Upper

106 100

91 219.7 154.9 287.7



#55

Styrene

Concen: 217.264 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053985.D

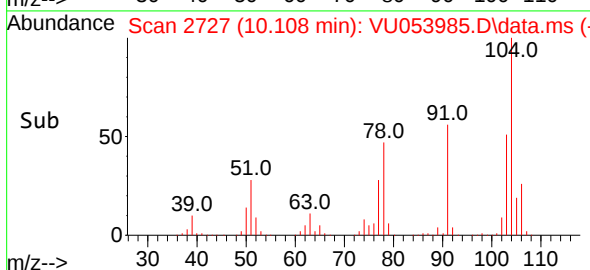
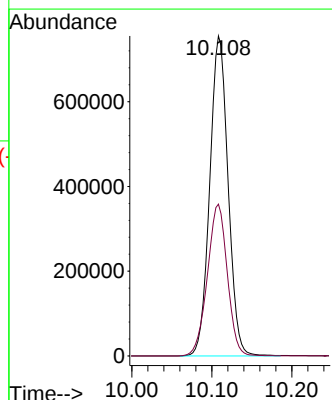
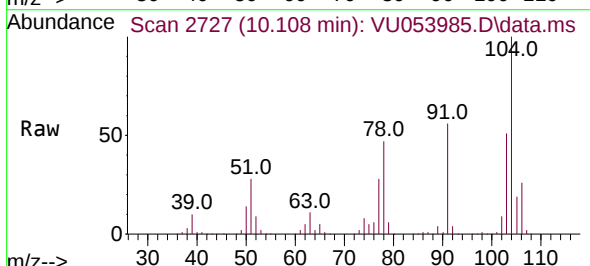
Acq: 29 Apr 2023 14:27

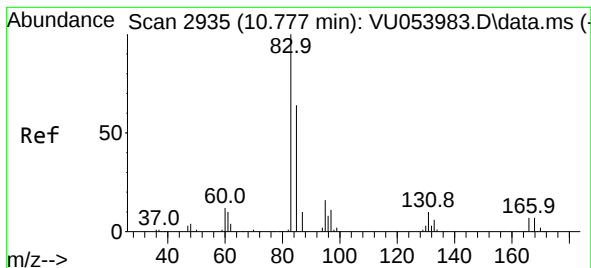
Tgt Ion:104 Resp: 1204562

Ion Ratio Lower Upper

104 100

78 47.5 33.2 61.7

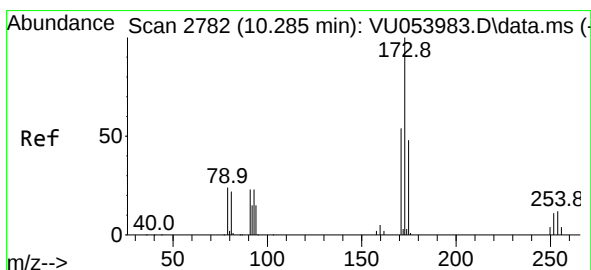
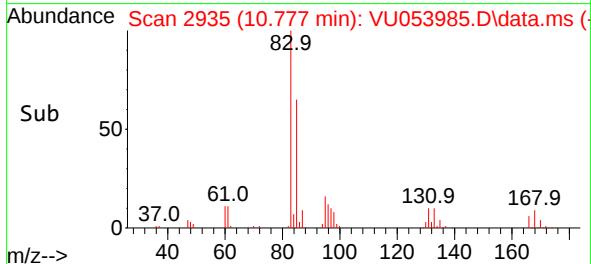
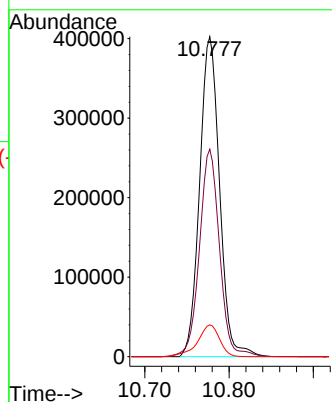
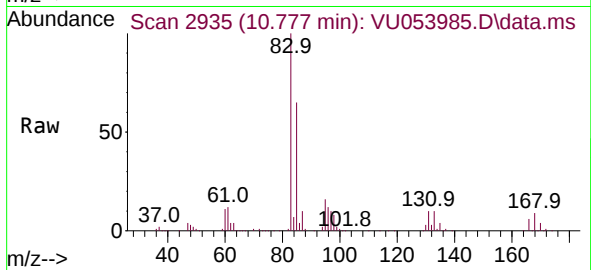




#57
1,1,2,2-Tetrachloroethane
Concen: 226.407 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

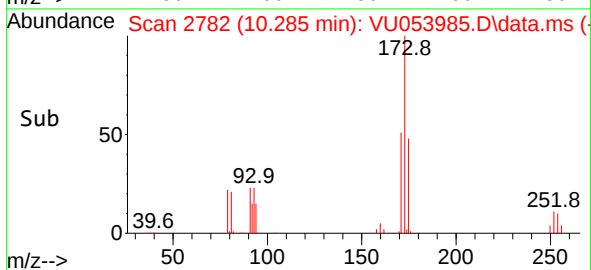
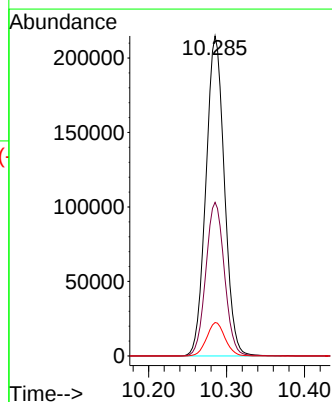
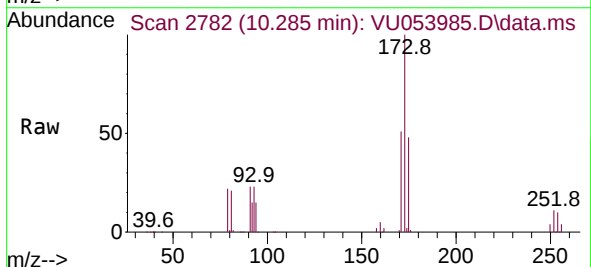
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

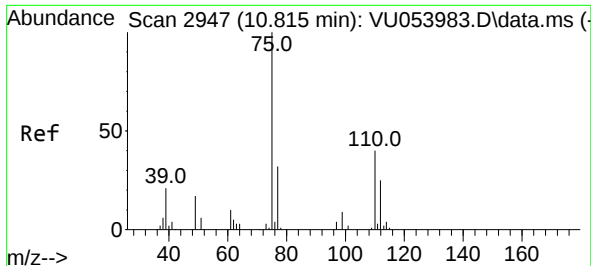
Tgt Ion: 83 Resp: 662560
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9
131 10.0 8.2 12.2



#59
Bromoform
Concen: 223.632 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion:173 Resp: 353696
Ion Ratio Lower Upper
173 100
175 48.4 38.9 58.3
254 10.4 8.5 12.7

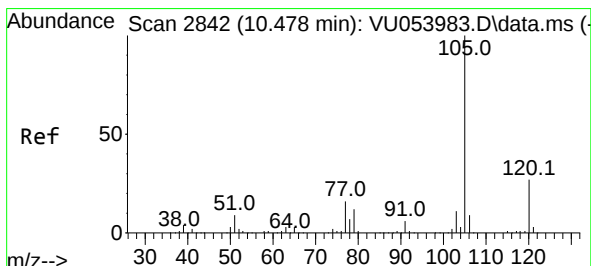
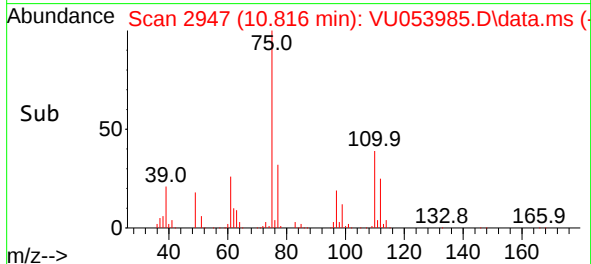
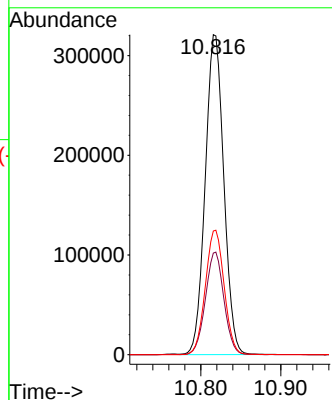
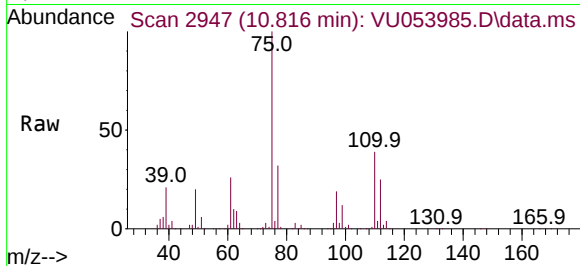




#60
1,2,3-Trichloropropane
Concen: 224.500 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

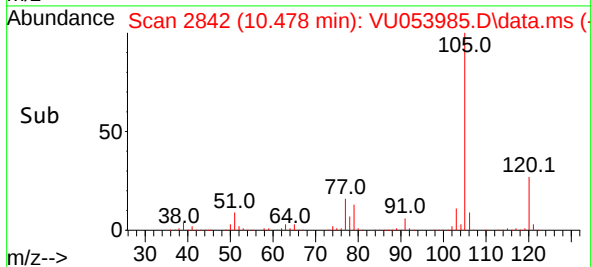
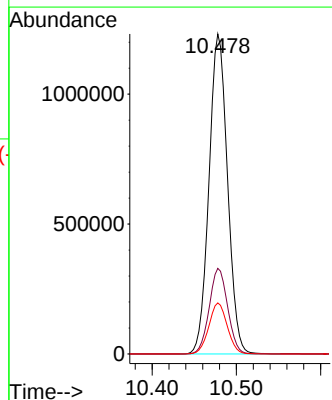
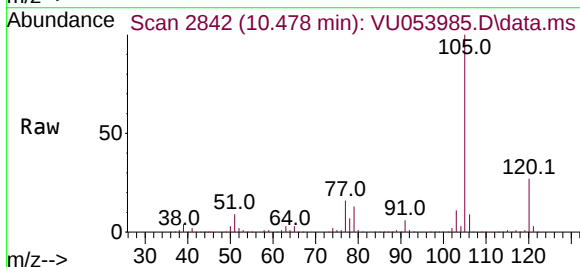
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

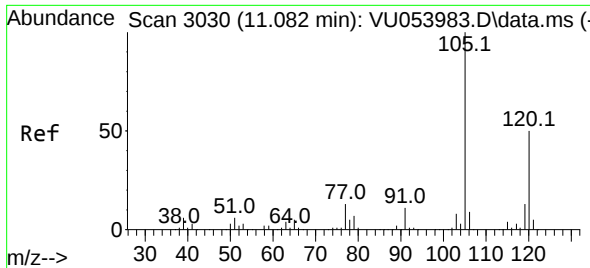
Tgt Ion: 75 Resp: 519170
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
110 39.3 31.8 47.8



#61
Isopropylbenzene
Concen: 206.452 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion: 105 Resp: 1881045
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 15.9 12.7 19.1

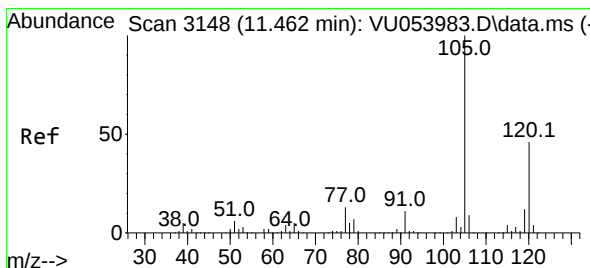
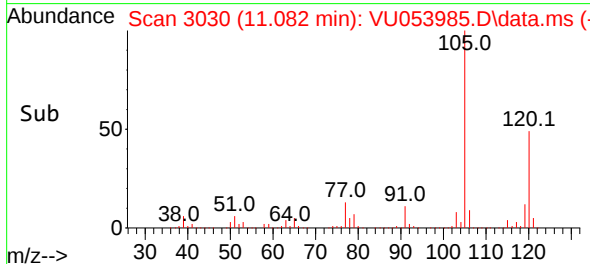
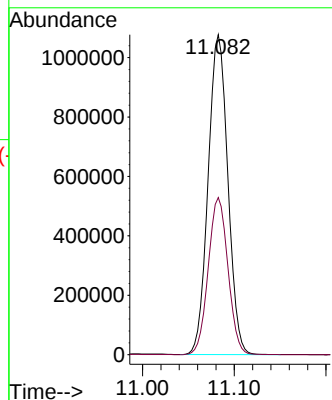
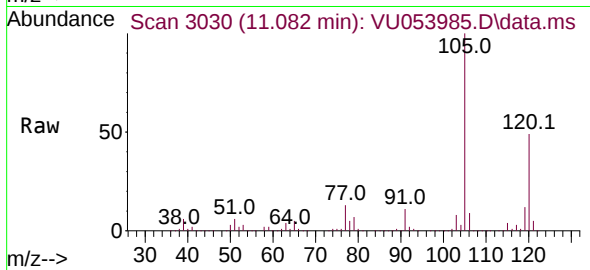




#62
1,3,5-Trimethylbenzene
Concen: 212.831 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

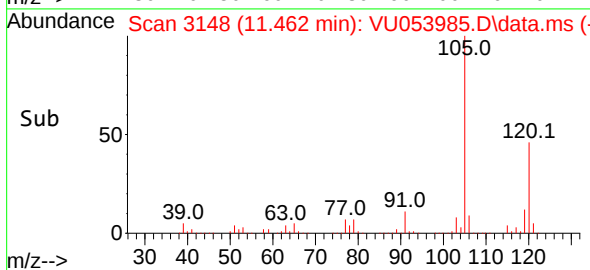
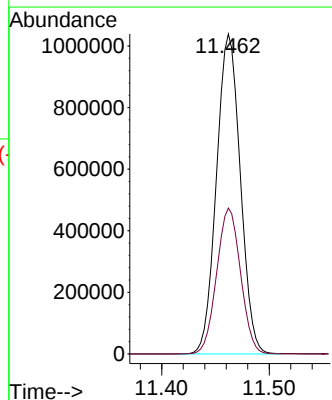
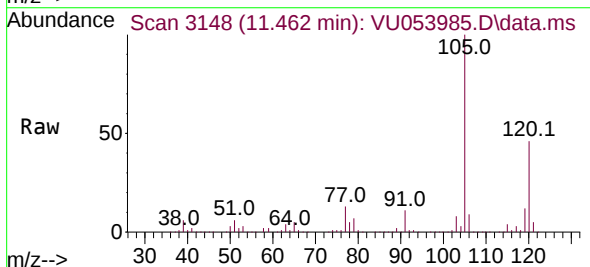
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

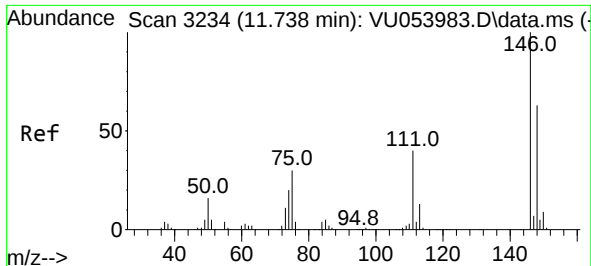
Tgt Ion:105 Resp: 1607816
Ion Ratio Lower Upper
105 100
120 49.2 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 213.639 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion:105 Resp: 1599589
Ion Ratio Lower Upper
105 100
120 45.6 36.5 54.7

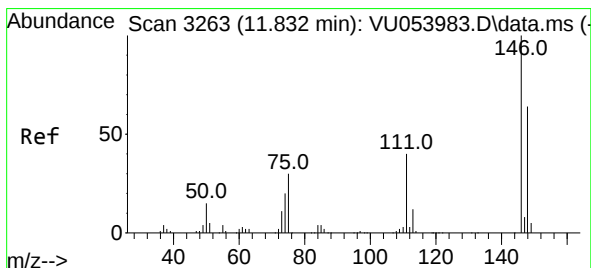
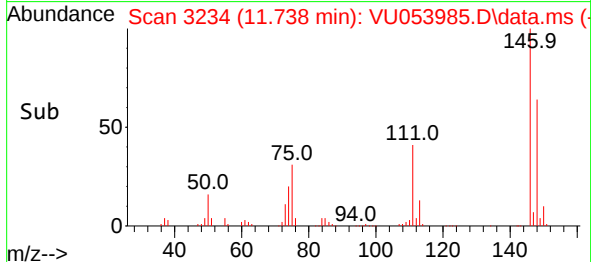
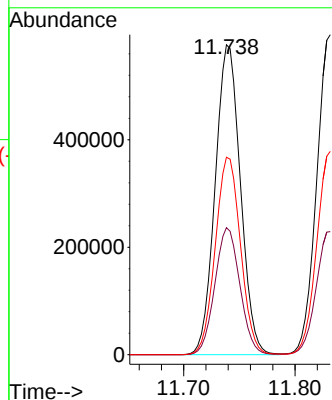
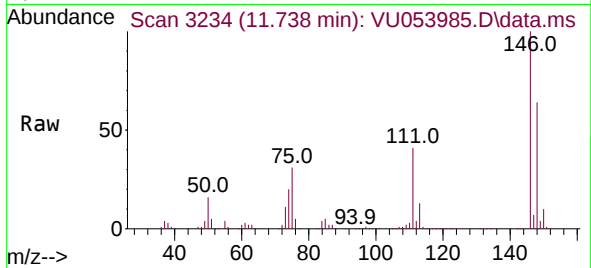




#64
1,3-Dichlorobenzene
Concen: 193.292 ug/L
RT: 11.738 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

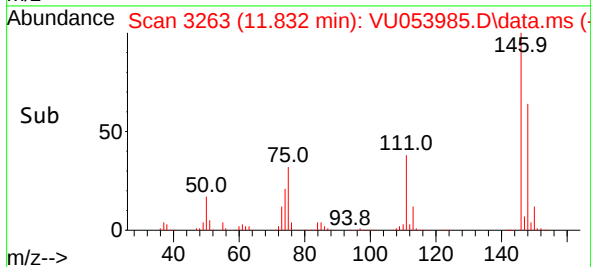
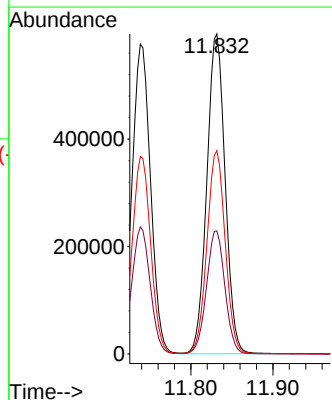
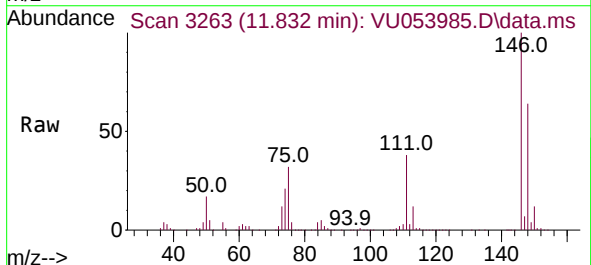
Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

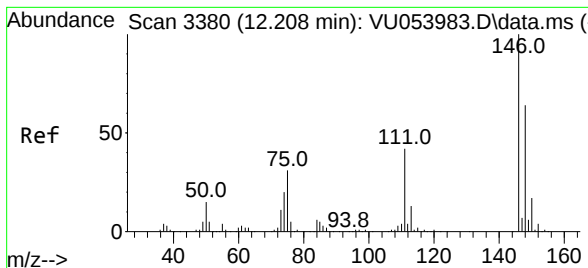
Tgt Ion:146 Resp: 908324
Ion Ratio Lower Upper
146 100
111 41.0 27.9 51.7
148 63.7 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 192.425 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion:146 Resp: 923985
Ion Ratio Lower Upper
146 100
111 38.5 27.9 51.7
148 63.5 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 194.068 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD200021

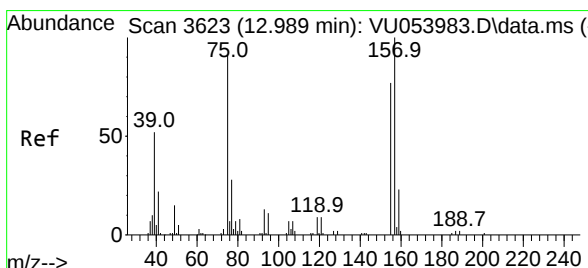
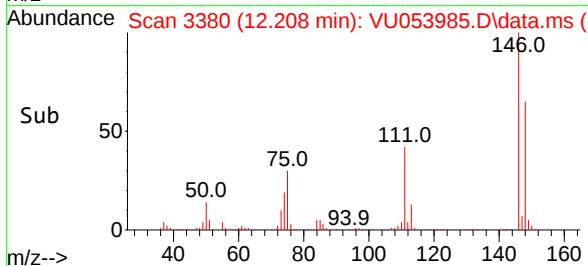
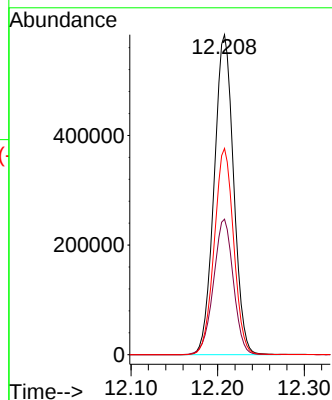
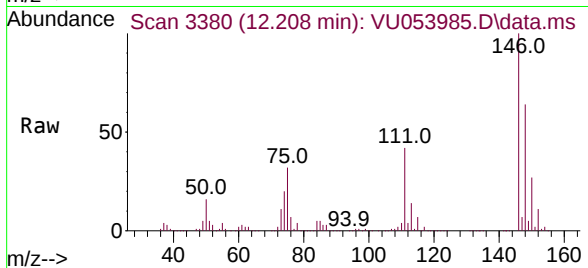
Tgt Ion:146 Resp: 911538

Ion Ratio Lower Upper

146 100

111 42.4 33.4 50.0

148 64.4 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 246.146 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. 0.000 min

Lab File: VU053985.D

Acq: 29 Apr 2023 14:27

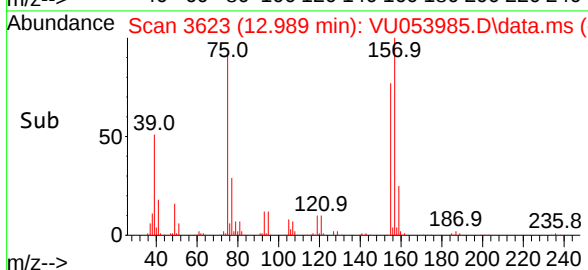
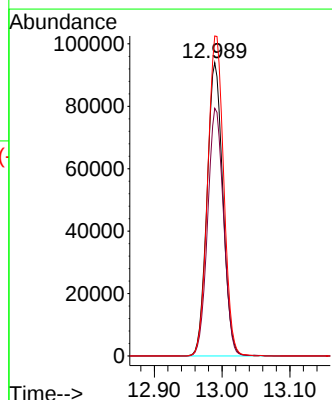
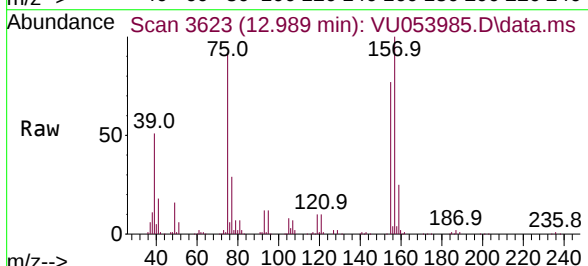
Tgt Ion: 75 Resp: 152365

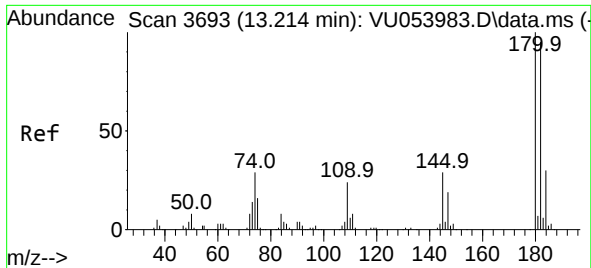
Ion Ratio Lower Upper

75 100

155 84.4 67.8 101.6

157 109.1 88.3 132.5



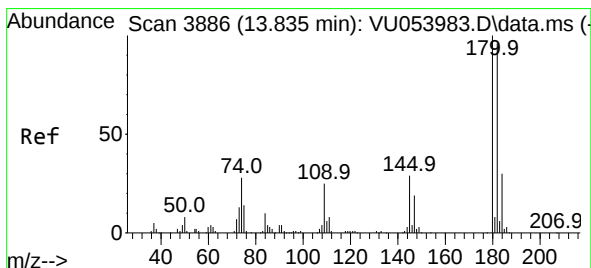
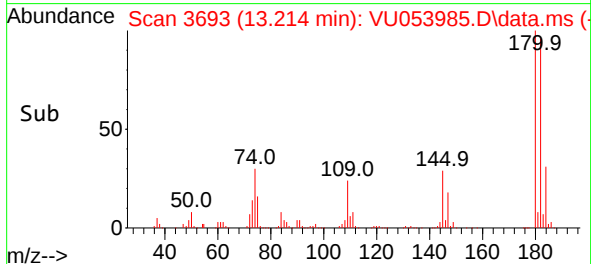
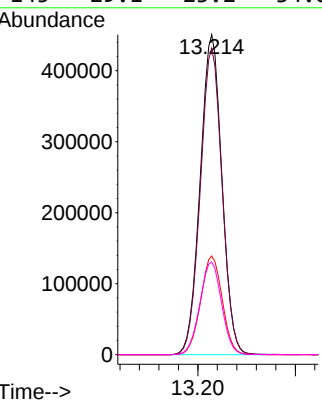
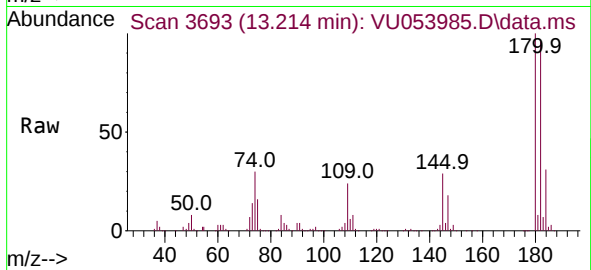


#69
 1,3,5-Trichlorobenzene
 Concen: 200.981 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053985.D
 Acq: 29 Apr 2023 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200021

Tgt Ion:180 Resp: 696865

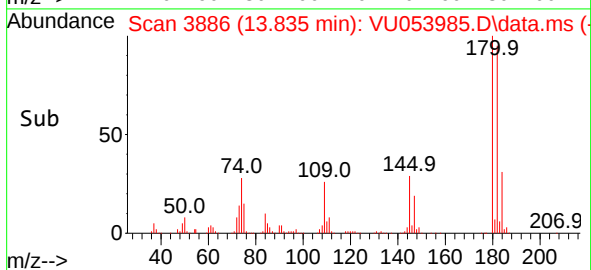
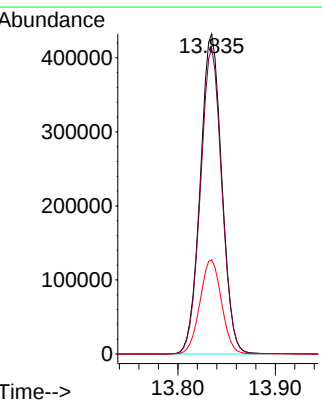
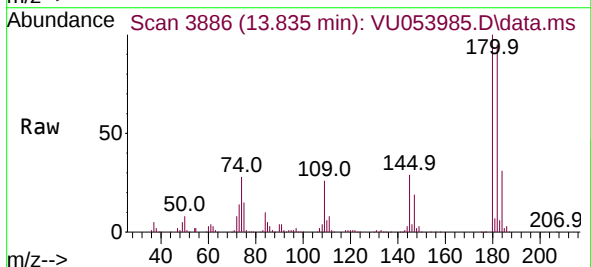
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
184	30.7	24.2	36.2
145	29.1	23.2	34.8

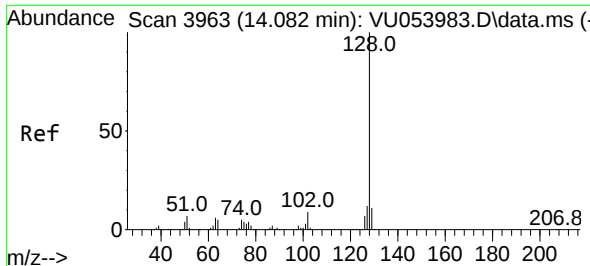


#70
 1,2,4-trichlorobenzene
 Concen: 205.655 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053985.D
 Acq: 29 Apr 2023 14:27

Tgt Ion:180 Resp: 660493

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.2
145	29.6	23.8	35.8



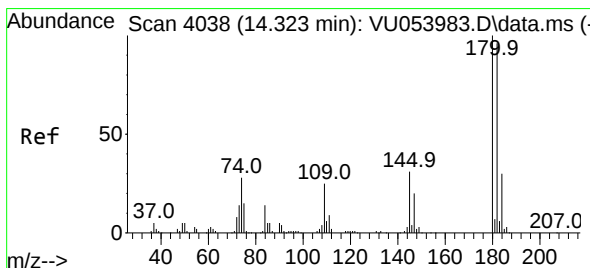
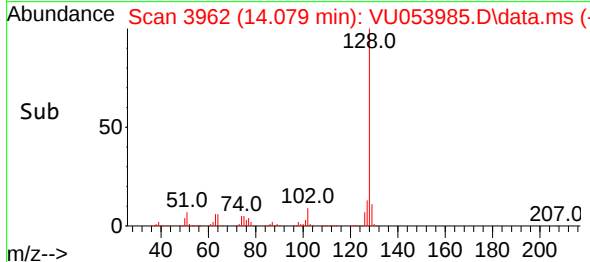
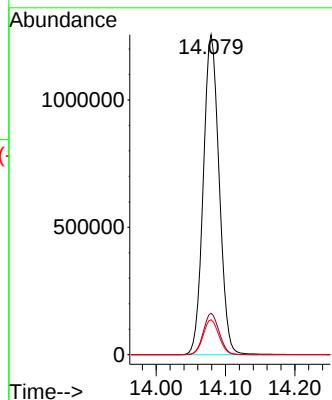
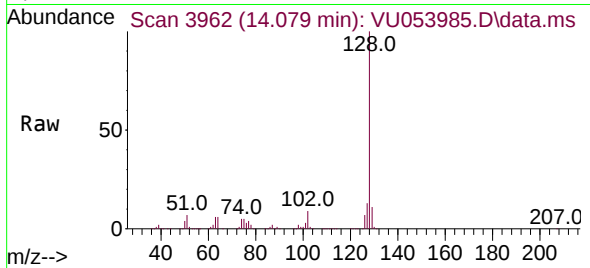


#71
Naphthalene
Concen: 208.108 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD200021

Tgt Ion:128 Resp: 1992535

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.9	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 200.638 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053985.D
Acq: 29 Apr 2023 14:27

Tgt Ion:180 Resp: 644124

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	114.8
145	31.5	24.9	37.3

