

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060723\
 Data File : VU054405.D
 Acq On : 07 Jun 2023 11:40
 Operator : MD/SY
 Sample : VSTD0.531
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 01:03:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:03:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	298959	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	283106	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	143269	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	10040	0.528	ug/L	0.00
7) Chloroethane-d5	1.914	69	9879	0.555	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.564	65	4614	0.543	ug/L	0.00
20) 2-Butanone-d5	4.650	46	25658	4.796	ug/L	0.02
24) Chloroform-d	5.059	84	20855	0.524	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.705	65	10056	0.519	ug/L	0.00
32) Benzene-d6	5.724	84	40988	0.521	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	13587	0.517	ug/L	0.00
41) Toluene-d8	7.894	98	34560	0.495	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	4512	0.494	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	16821	4.387	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	10177	0.519	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	13350	0.552	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.384	85	12927	0.463	ug/L	99
3) Chloromethane	1.522	50	15587	0.486	ug/L	97
5) Vinyl chloride	1.605	62	15673	0.476	ug/L	92
6) Bromomethane	1.859	94	9082	0.502	ug/L	99
8) Chloroethane	1.933	64	10377	0.526	ug/L	99
9) Trichlorofluoromethane	2.136	101	18921	0.467	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	10588	0.447	ug/L #	88
12) 1,1-Dichloroethene	2.580	96	9989	0.461	ug/L	90
13) Acetone	2.647	43	30352	6.018	ug/L	93
14) Carbon disulfide	2.792	76	30254	0.471	ug/L	98
15) Methyl Acetate	2.965	43	4231	0.453	ug/L #	71
16) Methylene chloride	3.046	84	22229	0.729	ug/L	95
17) Methyl tert-butyl Ether	3.364	73	23804	0.445	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	10782	0.482	ug/L	96
19) 1,1-Dichloroethane	3.869	63	21233	0.458	ug/L	94
21) 2-Butanone	4.731	43	30430	4.396	ug/L	100
22) cis-1,2-Dichloroethene	4.670	96	11963	0.469	ug/L	92
23) Bromochloromethane	4.969	128	4998	0.471	ug/L	80
25) Chloroform	5.088	83	21850	0.478	ug/L	100
27) 1,2-Dichloroethane	5.801	62	12798	0.478	ug/L	95
29) 1,1,1-Trichloroethane	5.316	97	17421	0.454	ug/L	92
30) Cyclohexane	5.387	56	18187	0.435	ug/L	97
31) Carbon tetrachloride	5.522	117	15793	0.477	ug/L	97
33) Benzene	5.772	78	47757	0.469	ug/L	100
34) Trichloroethene	6.541	95	13009	0.484	ug/L	83
35) Methylcyclohexane	6.763	83	18234	0.448	ug/L	97
37) 1,2-Dichloropropane	6.788	63	12735	0.463	ug/L #	98
38) Bromodichloromethane	7.104	83	14039	0.451	ug/L	97
39) cis-1,3-Dichloropropene	7.608	75	14661	0.390	ug/L	94
40) 4-Methyl-2-pentanone	7.792	43	62232	4.239	ug/L	98
42) Toluene	7.968	91	45162	0.431	ug/L	99
44) trans-1,3-Dichloropropene	8.210	75	12994	0.426	ug/L	99

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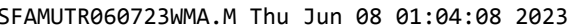
Quant Time: Jun 08 01:03:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:03:32 2023
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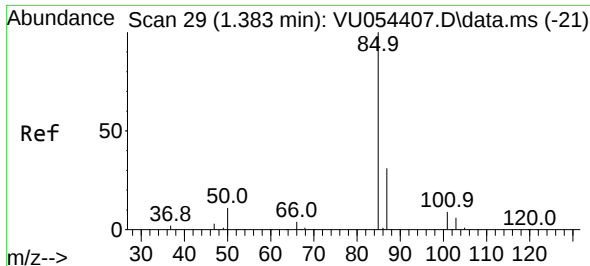
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.399	97	7847	0.448	ug/L	99
47) Tetrachloroethene	8.554	164	10717	0.520	ug/L	89
48) 2-Hexanone	8.685	43	52029	4.756	ug/L	95
49) Dibromochloromethane	8.804	129	8371	0.456	ug/L	96
50) 1,2-Dibromoethane	8.923	107	7326	0.456	ug/L #	96
51) Chlorobenzene	9.444	112	30324	0.464	ug/L	97
52) Ethylbenzene	9.570	91	50259	0.439	ug/L	95
53) m,p-Xylene	9.695	106	17615	0.419	ug/L	95
54) o-Xylene	10.097	106	16234	0.399	ug/L	89
55) Styrene	10.116	104	27067	0.397	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	10536	0.474	ug/L	97
59) Bromoform	10.293	173	4745	0.461	ug/L #	92
60) Isopropylbenzene	10.480	105	44998	0.429	ug/L	98
61) 1,2,3-Trichloropropane	10.824	75	6894	0.476	ug/L #	93
62) 1,3,5-Trimethylbenzene	11.084	105	35391	0.414	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	35867	0.413	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	22356	0.456	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	23606	0.480	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	20870	0.463	ug/L	93
68) 1,2-Dibromo-3-chloropr...	13.004	75	1421	0.447	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.216	180	17627	0.477	ug/L	96
70) 1,2,4-trichlorobenzene	13.840	180	14468	0.473	ug/L	98
71) Naphthalene	14.087	128	24515	0.493	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	12556	0.478	ug/L	95

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

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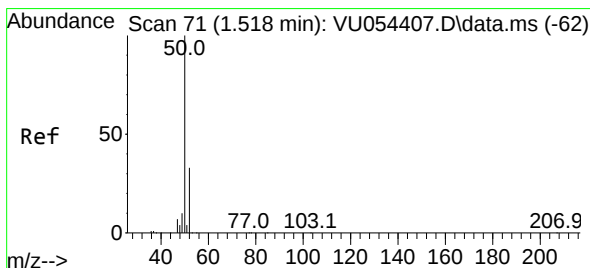
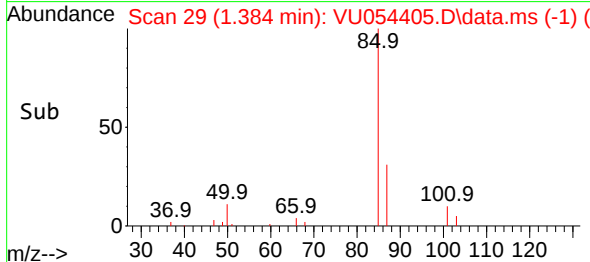
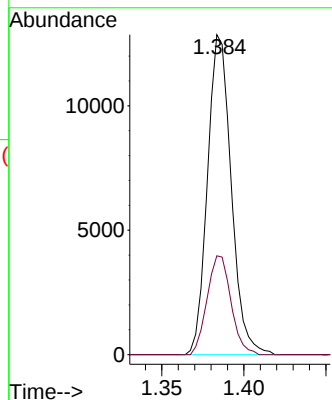
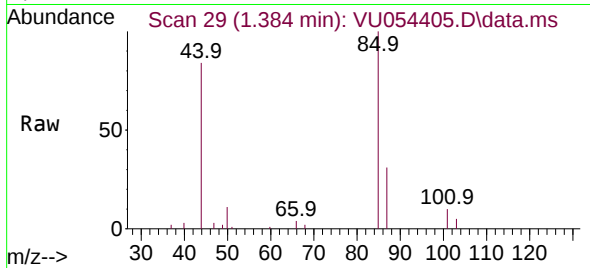




#2
 Dichlorodifluoromethane
 Concen: 0.463 ug/L
 RT: 1.384 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054405.D
 Acq: 07 Jun 2023 11:40

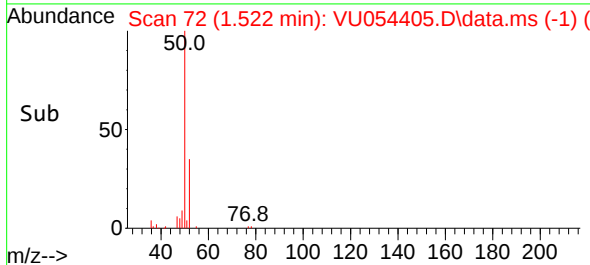
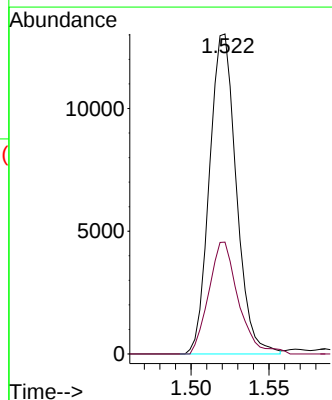
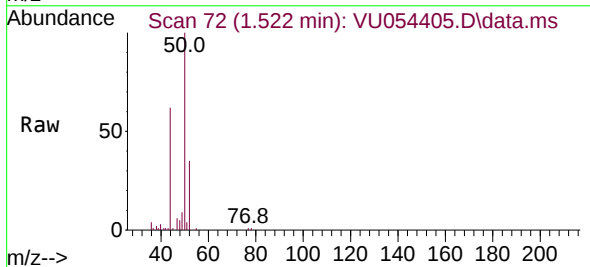
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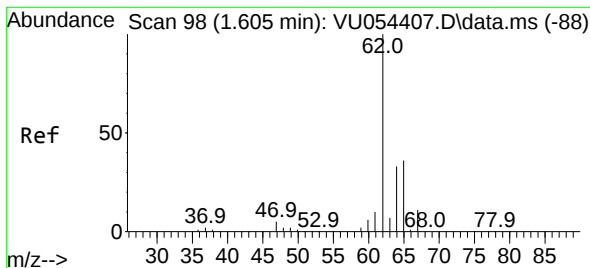
Tgt Ion: 85 Resp: 12927
 Ion Ratio Lower Upper
 85 100
 87 31.1 25.4 38.2



#3
 Chloromethane
 Concen: 0.486 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU054405.D
 Acq: 07 Jun 2023 11:40

Tgt Ion: 50 Resp: 15587
 Ion Ratio Lower Upper
 50 100
 52 35.0 23.4 43.4





#5

Vinyl chloride

Concen: 0.476 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

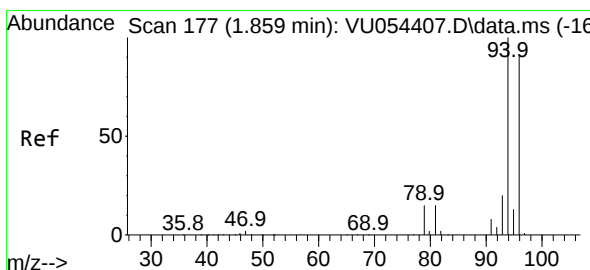
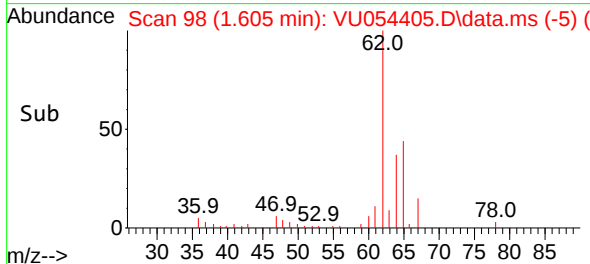
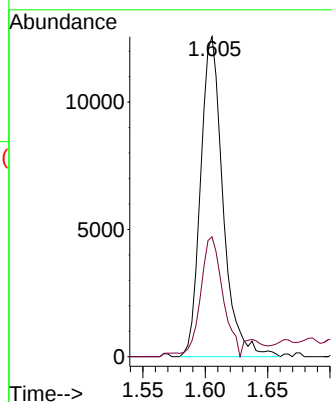
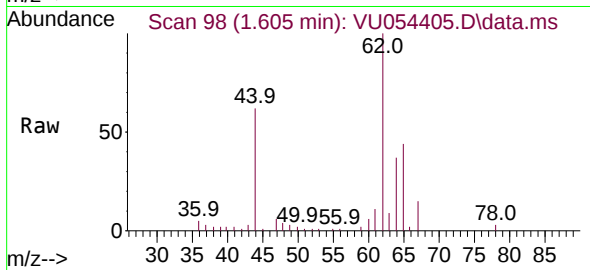
ClientSampleId :

Tgt Ion: 62 Resp: 15673

Ion Ratio Lower Upper

62 100

64 37.5 23.0 42.6



#6

Bromomethane

Concen: 0.502 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU054405.D

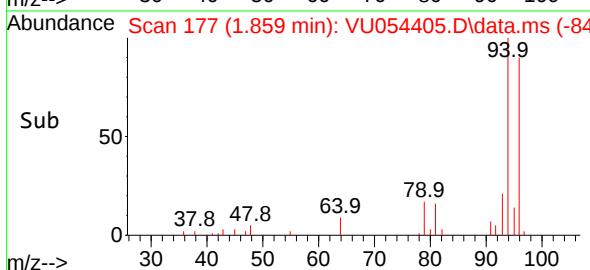
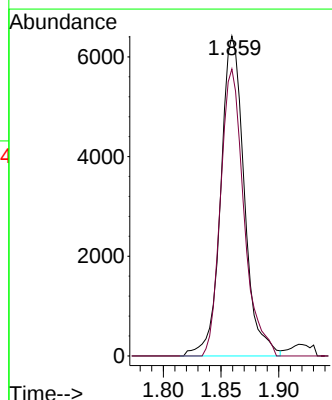
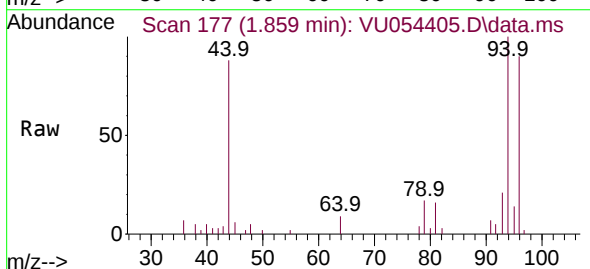
Acq: 07 Jun 2023 11:40

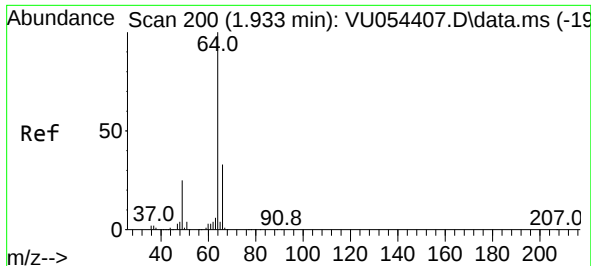
Tgt Ion: 94 Resp: 9082

Ion Ratio Lower Upper

94 100

96 89.7 63.6 118.2

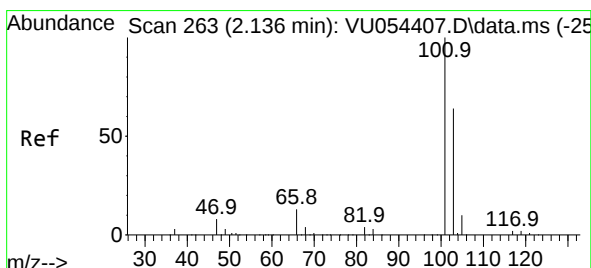
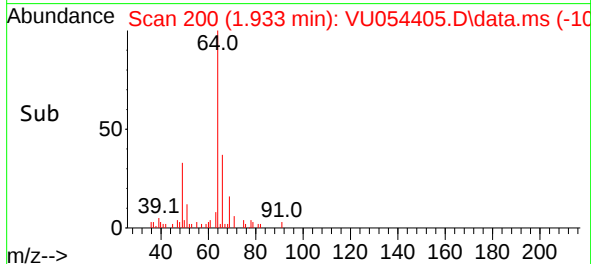
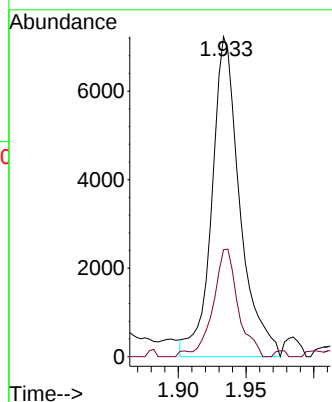
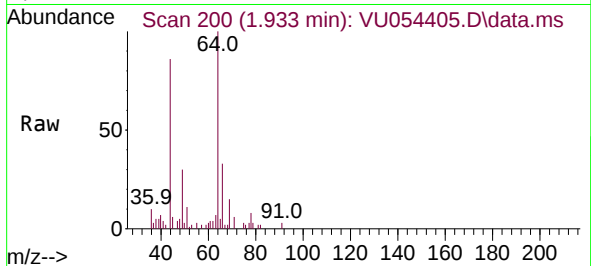




#8
Chloroethane
Concen: 0.526 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

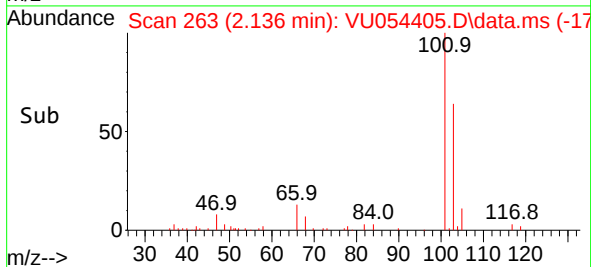
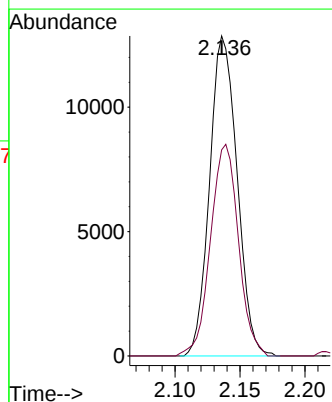
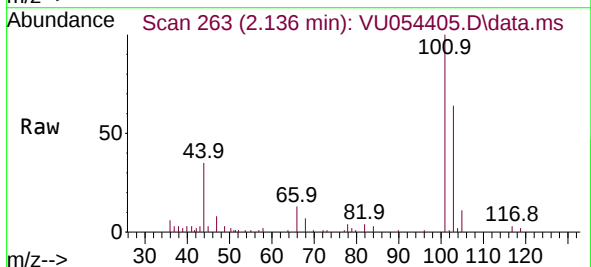
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MSVOA_U
ClientSampleId :

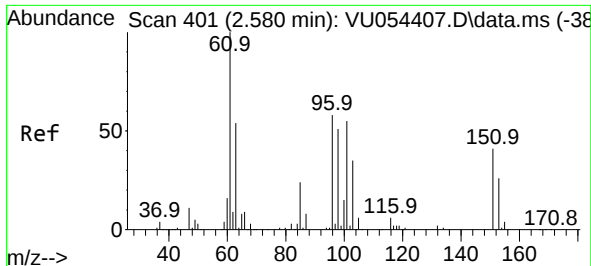
Tgt Ion: 64 Resp: 10377
Ion Ratio Lower Upper
64 100
66 33.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 0.467 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 101 Resp: 18921
Ion Ratio Lower Upper
101 100
103 67.3 50.6 75.8

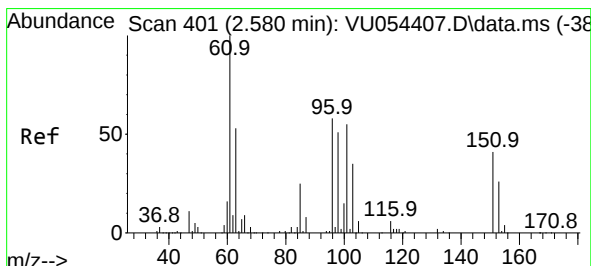
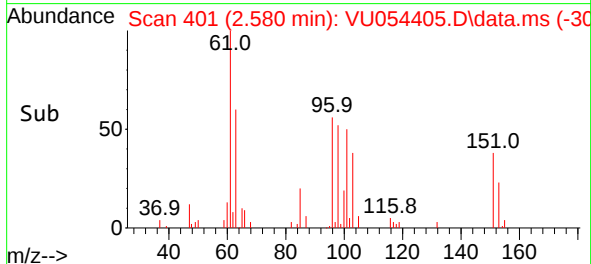
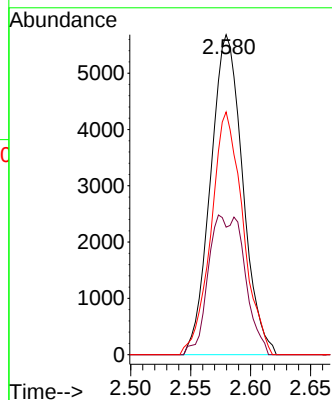
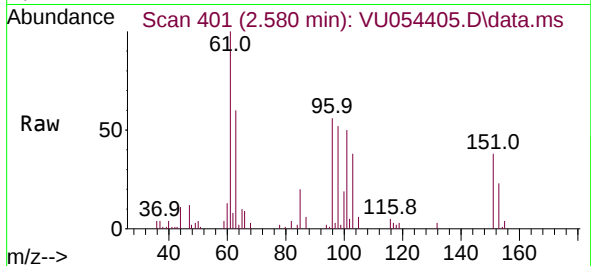




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.447 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054405.D
 Acq: 07 Jun 2023 11:40

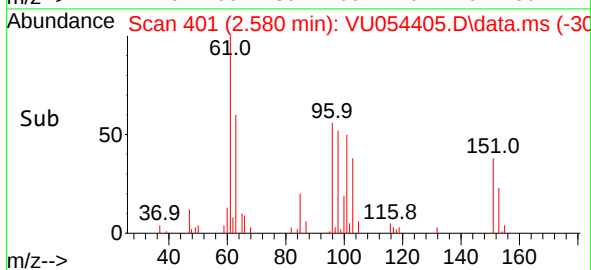
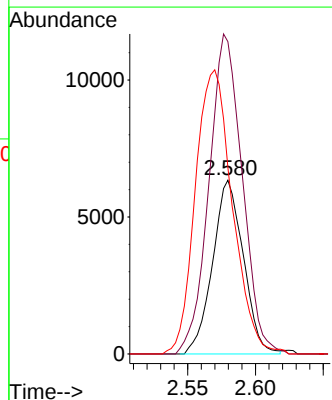
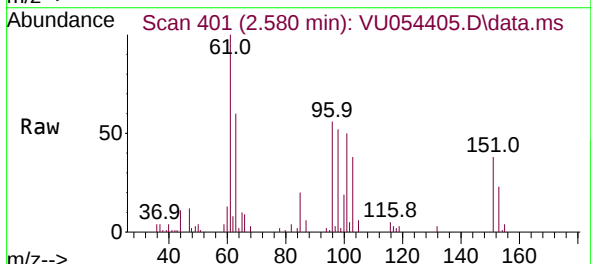
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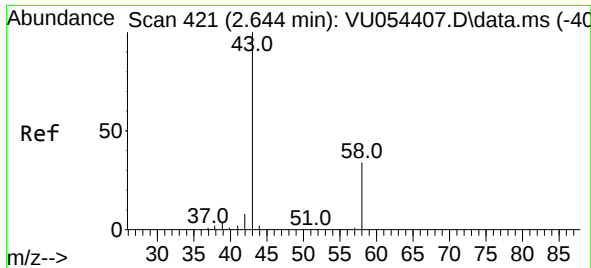
Tgt Ion:101 Resp: 10588
 Ion Ratio Lower Upper
 101 100
 85 25.9 34.6 51.8#
 151 75.0 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 0.461 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054405.D
 Acq: 07 Jun 2023 11:40

Tgt Ion: 96 Resp: 9989
 Ion Ratio Lower Upper
 96 100
 61 179.7 119.9 222.7
 63 107.3 64.3 119.3





#13

Acetone

Concen: 6.018 ug/L

RT: 2.647 min Scan# 421

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

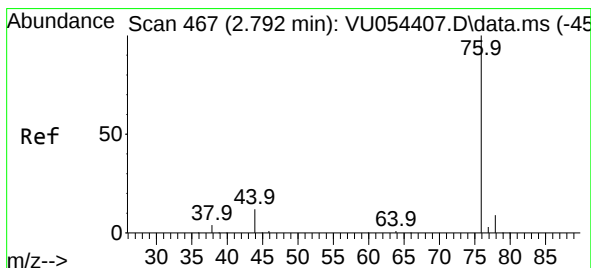
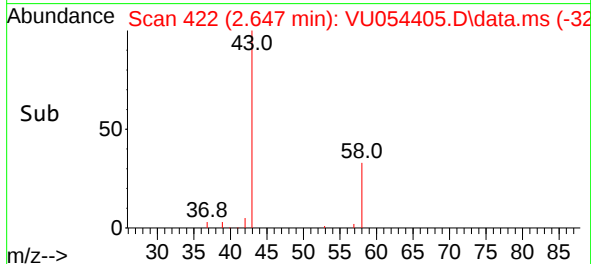
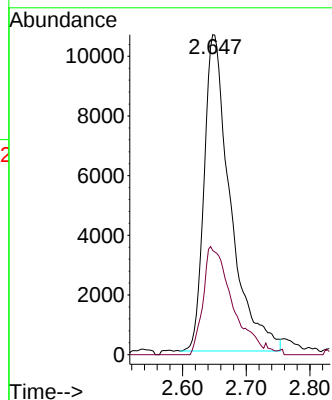
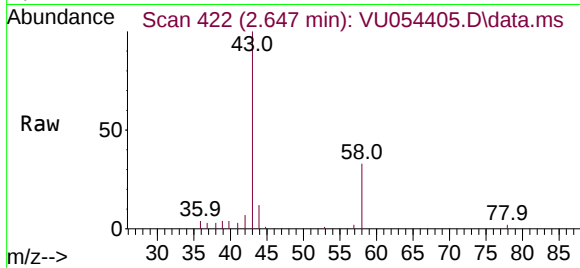
ClientSampleId :

Tgt Ion: 43 Resp: 30352

Ion Ratio Lower Upper

43 100

58 37.5 0.0 67.2



#14

Carbon disulfide

Concen: 0.471 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054405.D

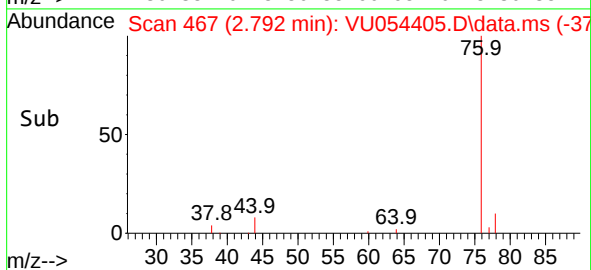
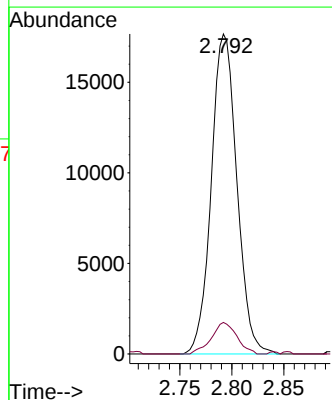
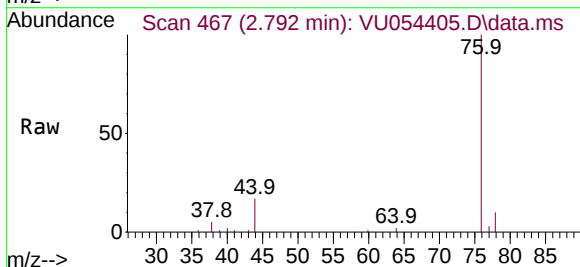
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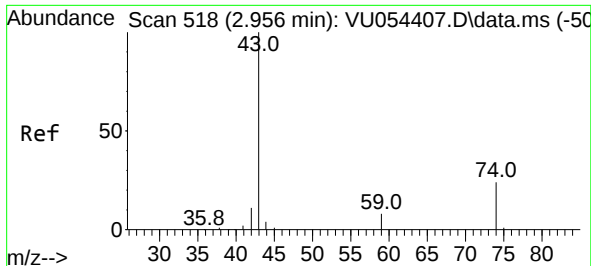
Tgt Ion: 76 Resp: 30254

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0

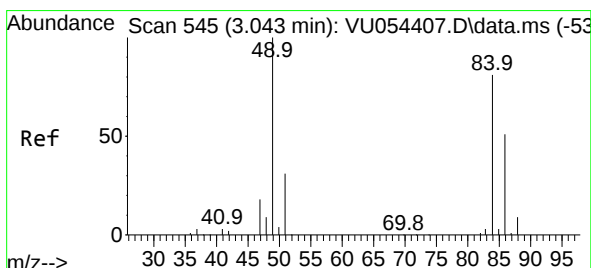
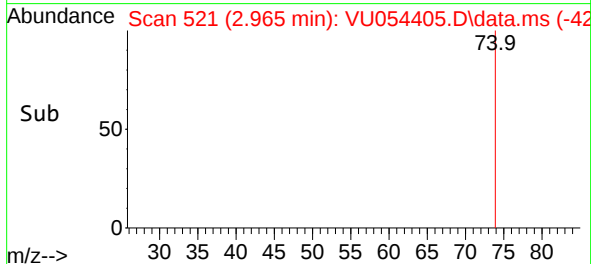
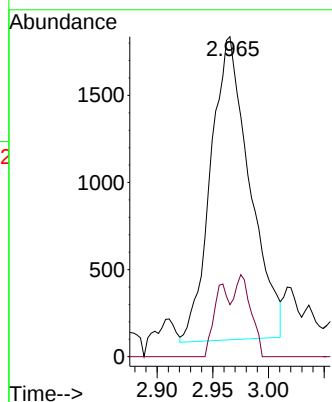
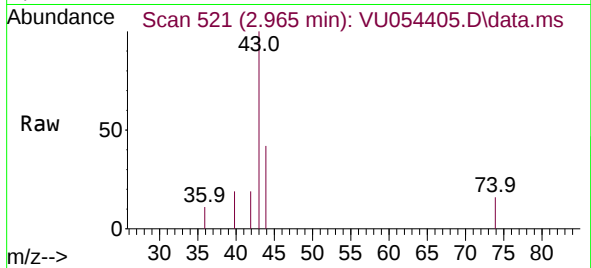




#15
Methyl Acetate
Concen: 0.453 ug/L
RT: 2.965 min Scan# 518
Delta R.T. 0.010 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

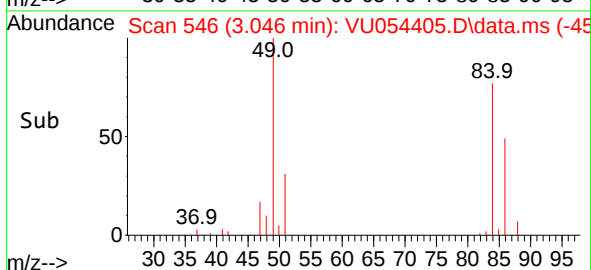
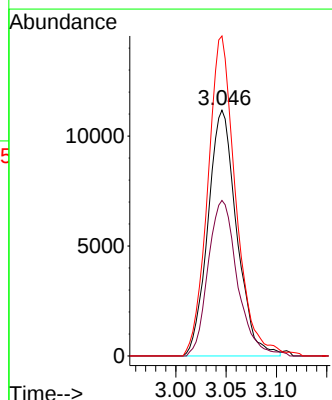
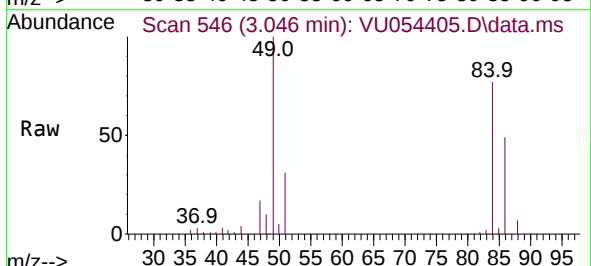
Instrument :
MSVOA_U
ClientSampleId :

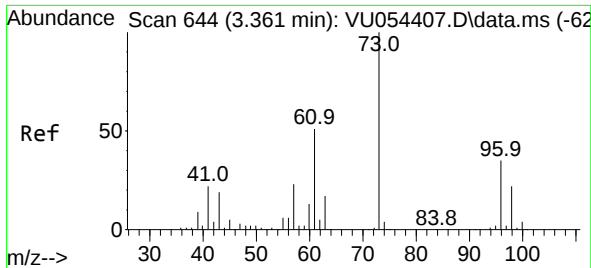
Tgt Ion: 43 Resp: 4231
Ion Ratio Lower Upper
43 100
74 9.4 19.0 28.6#



#16
Methylene chloride
Concen: 0.729 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 84 Resp: 22229
Ion Ratio Lower Upper
84 100
86 63.3 43.9 81.5
49 130.2 86.1 159.9

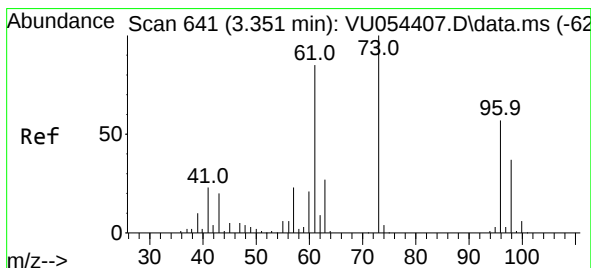
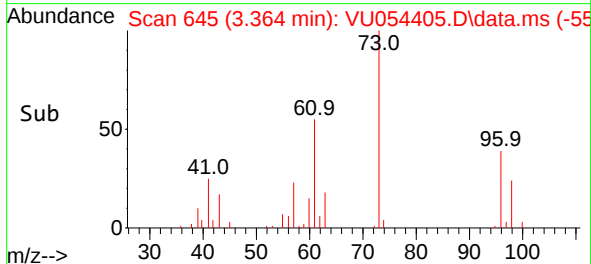
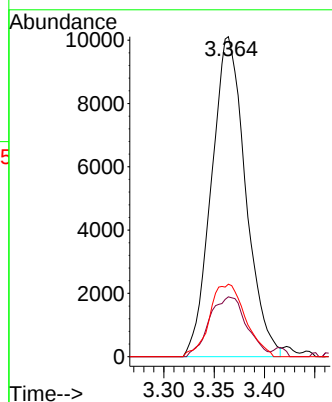
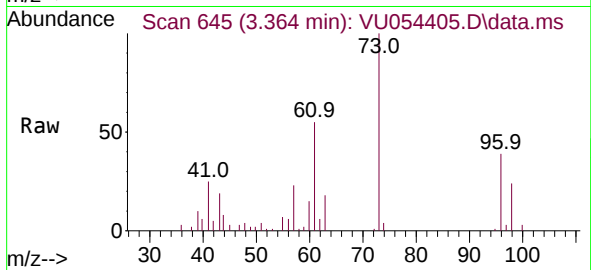




#17
Methyl tert-butyl Ether
Concen: 0.445 ug/L
RT: 3.364 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

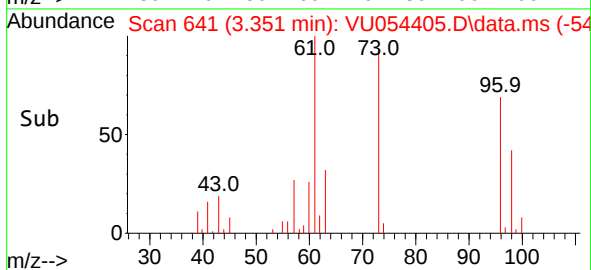
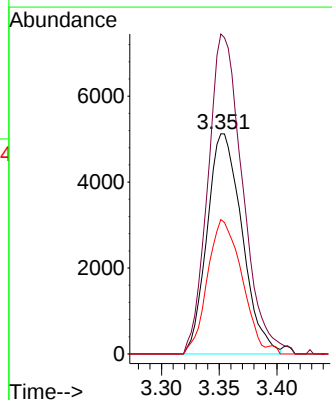
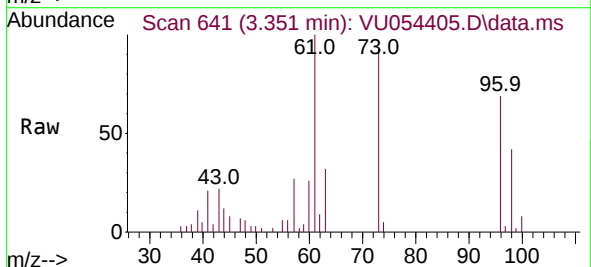
Instrument :
MSVOA_U
ClientSampleId :

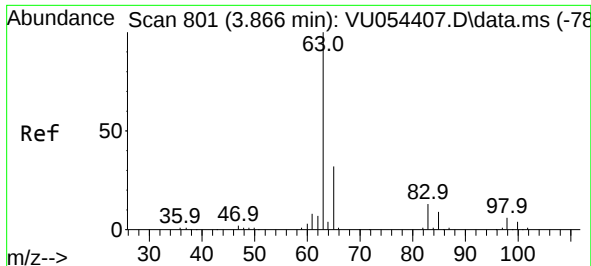
Tgt Ion: 73 Resp: 23804
Ion Ratio Lower Upper
73 100
43 20.5 15.7 23.5
57 23.8 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 0.482 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 96 Resp: 10782
Ion Ratio Lower Upper
96 100
61 145.3 104.6 194.2
98 61.0 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.458 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

ClientSampleId :

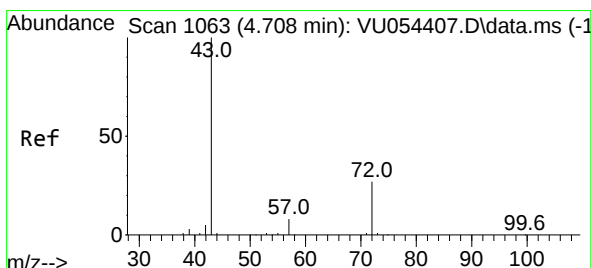
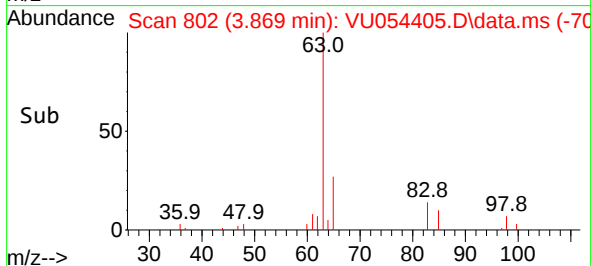
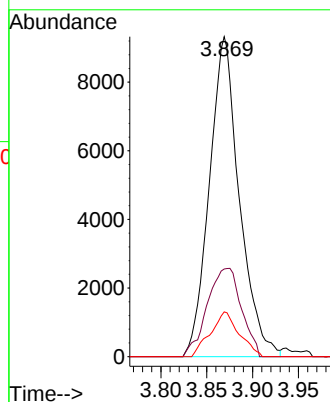
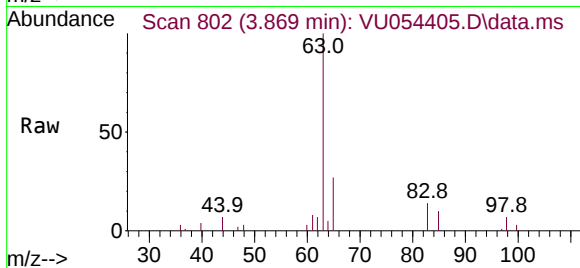
Tgt Ion: 63 Resp: 21233

Ion Ratio Lower Upper

63 100

65 27.4 22.2 41.2

83 14.0 9.0 16.6



#21

2-Butanone

Concen: 4.396 ug/L

RT: 4.731 min Scan# 1070

Delta R.T. 0.023 min

Lab File: VU054405.D

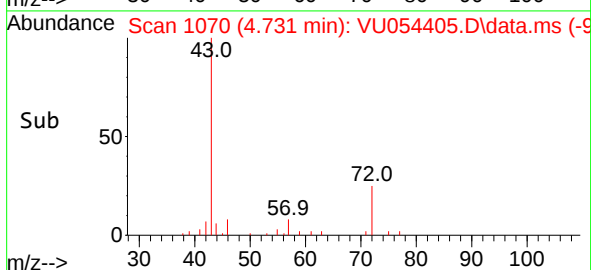
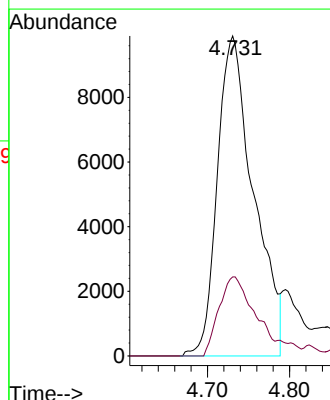
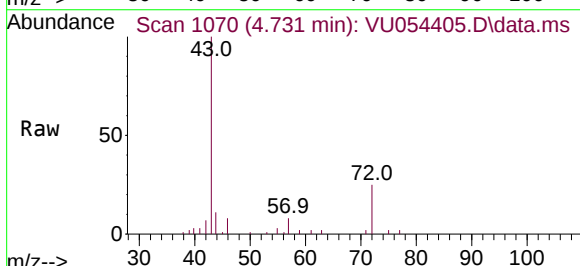
Acq: 07 Jun 2023 11:40

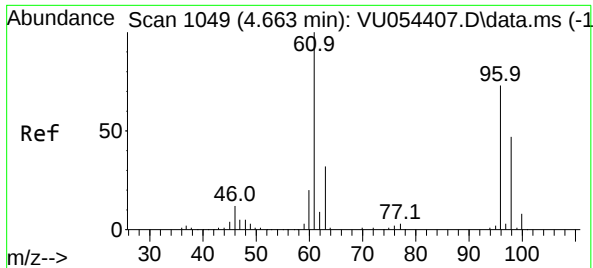
Tgt Ion: 43 Resp: 30430

Ion Ratio Lower Upper

43 100

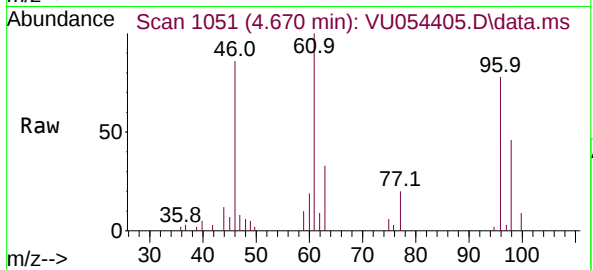
72 26.5 13.4 40.1



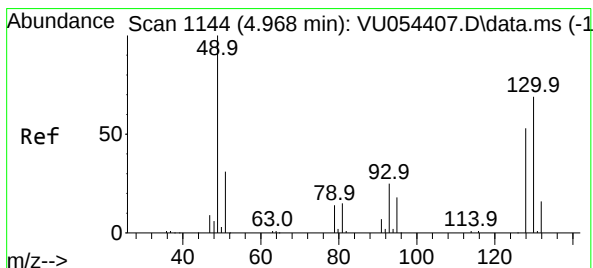
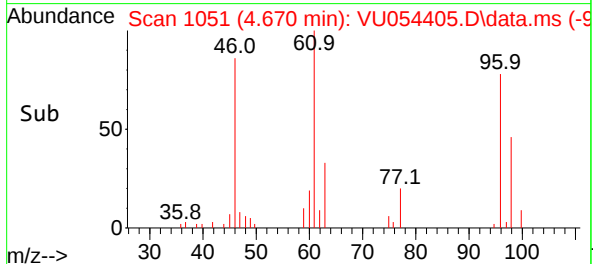
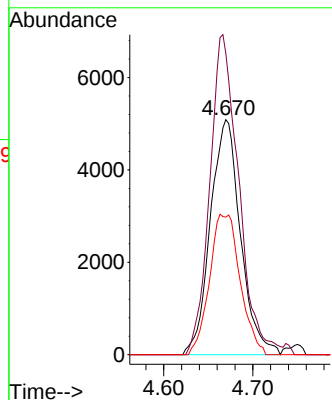


#22
cis-1,2-Dichloroethene
Concen: 0.469 ug/L
RT: 4.670 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Instrument :
MSVOA_U
ClientSampleId :

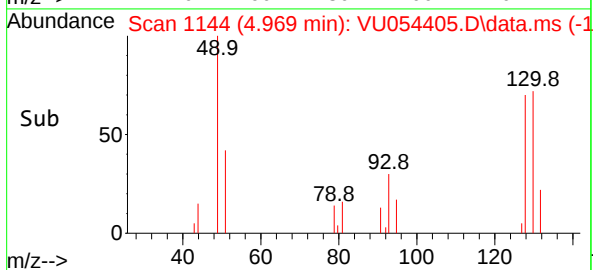
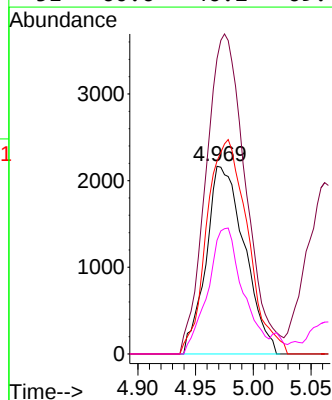
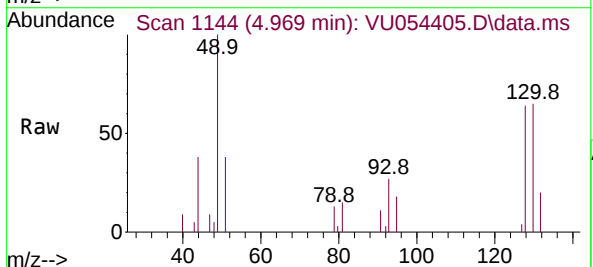


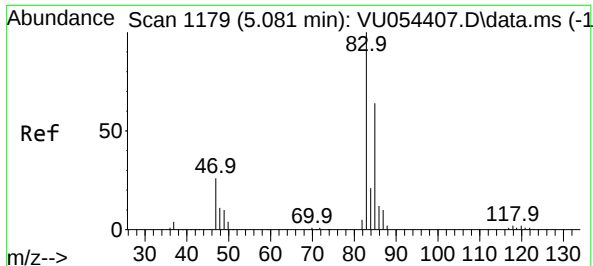
Tgt Ion: 96 Resp: 11963
Ion Ratio Lower Upper
96 100
61 128.2 96.5 179.1
98 58.5 44.9 83.3



#23
Bromochloromethane
Concen: 0.471 ug/L
RT: 4.969 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 128 Resp: 4998
Ion Ratio Lower Upper
128 100
49 157.4 132.1 245.3
130 102.8 91.5 169.9
51 60.6 46.2 69.4





#25

Chloroform

Concen: 0.478 ug/L

RT: 5.088 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

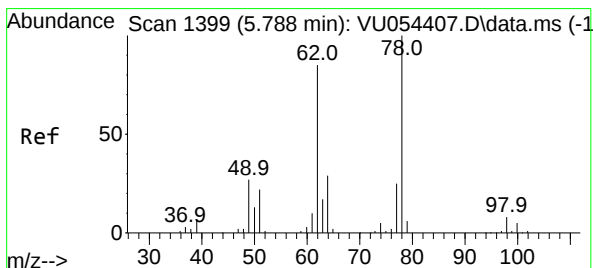
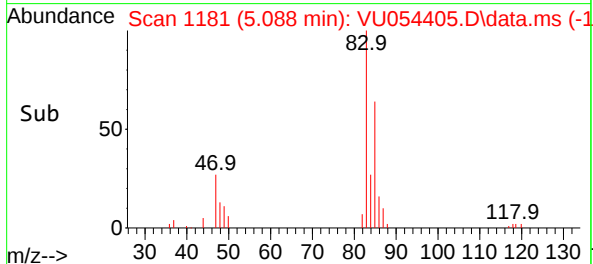
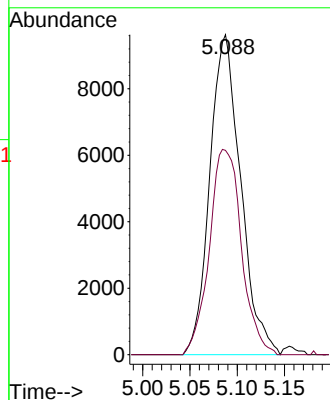
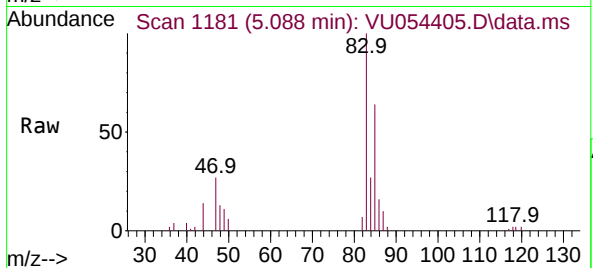
ClientSampleId :

Tgt Ion: 83 Resp: 21850

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9



#27

1,2-Dichloroethane

Concen: 0.478 ug/L

RT: 5.801 min Scan# 1403

Delta R.T. 0.013 min

Lab File: VU054405.D

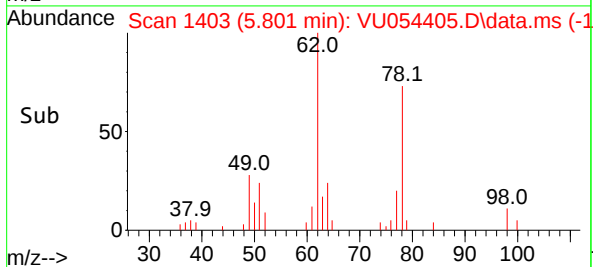
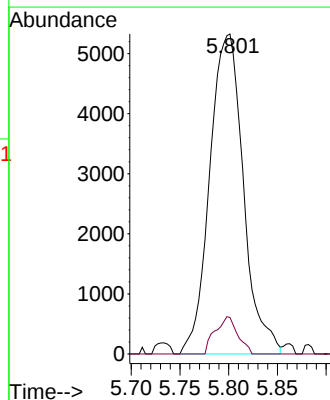
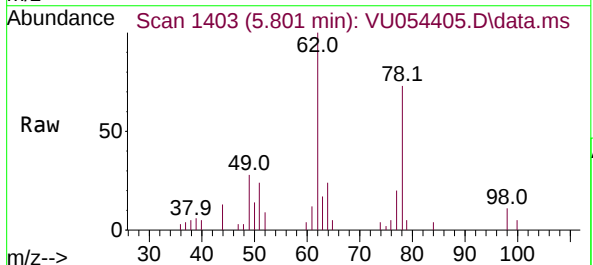
Acq: 07 Jun 2023 11:40

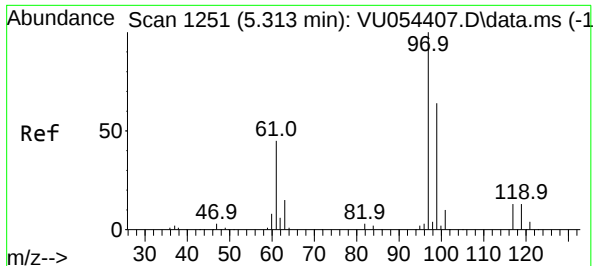
Tgt Ion: 62 Resp: 12798

Ion Ratio Lower Upper

62 100

98 11.4 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 0.454 ug/L

RT: 5.316 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

ClientSampleId :

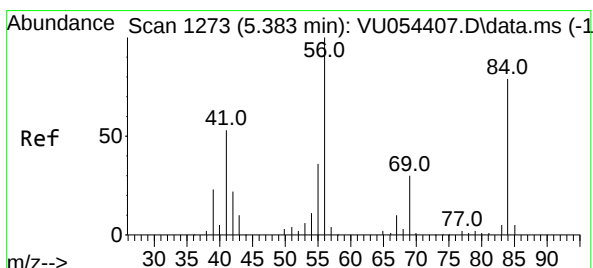
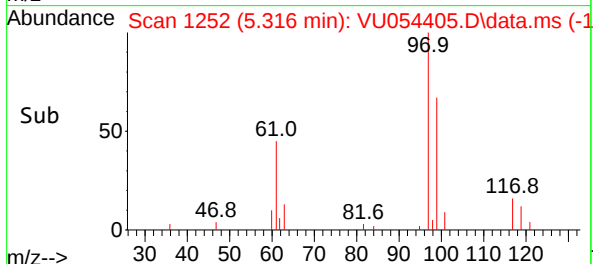
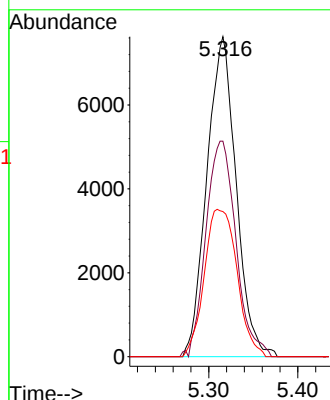
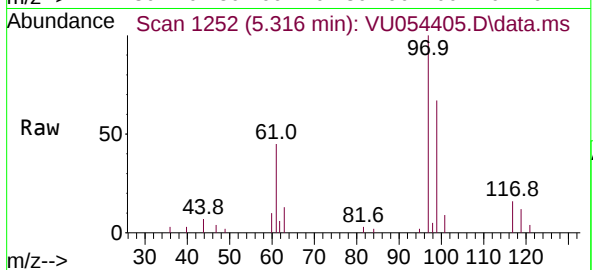
Tgt Ion: 97 Resp: 17421

Ion Ratio Lower Upper

97 100

99 69.2 50.8 76.2

61 51.4 36.1 54.1



#30

Cyclohexane

Concen: 0.435 ug/L

RT: 5.387 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

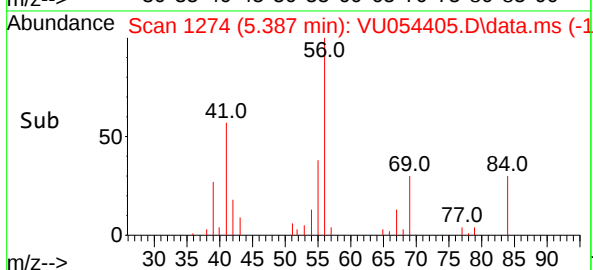
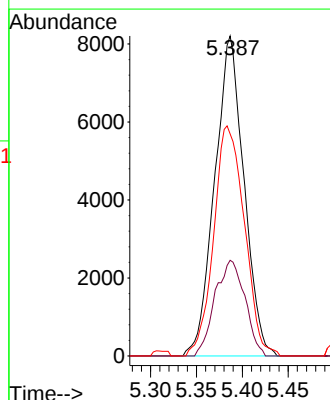
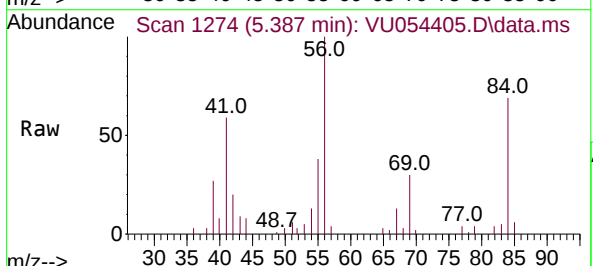
Tgt Ion: 56 Resp: 18187

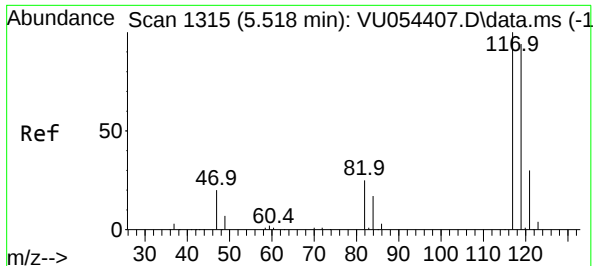
Ion Ratio Lower Upper

56 100

69 30.7 23.9 35.9

84 75.6 63.0 94.6

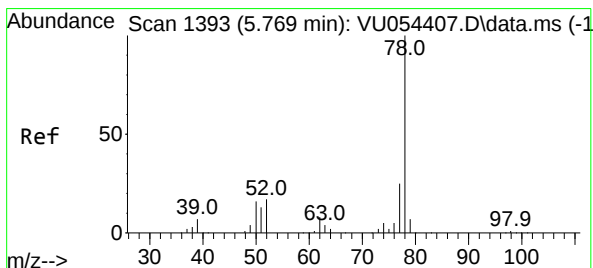
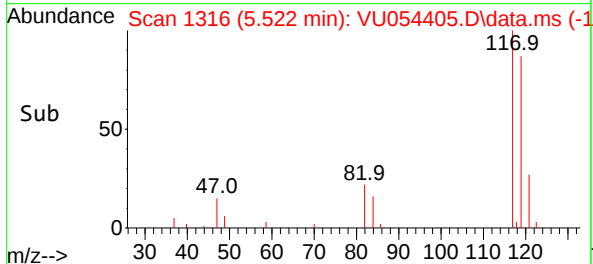
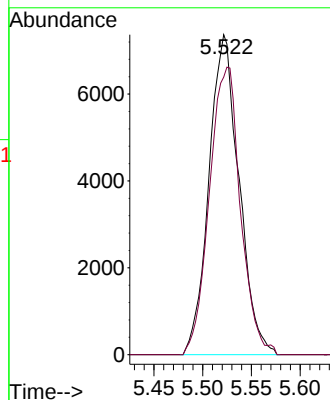
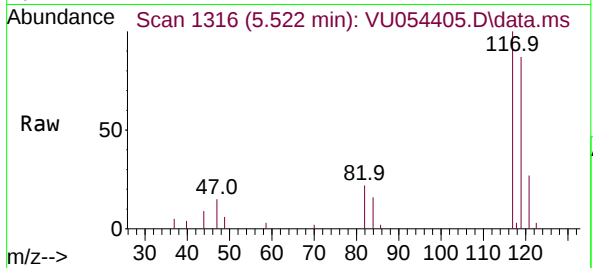




#31
Carbon tetrachloride
Concen: 0.477 ug/L
RT: 5.522 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

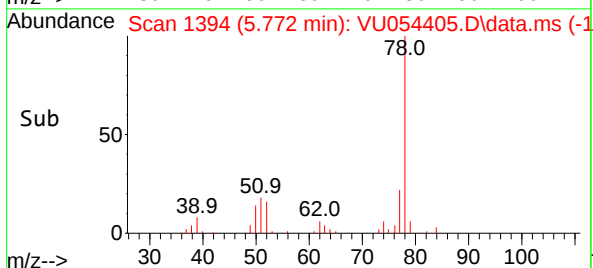
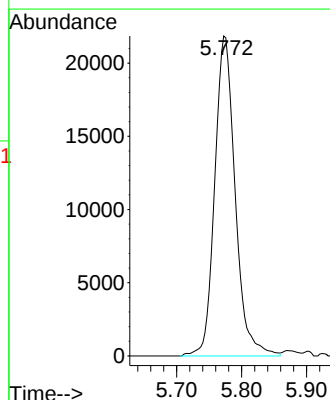
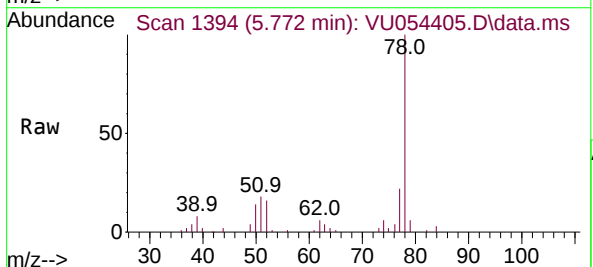
Instrument :
MSVOA_U
ClientSampleId :

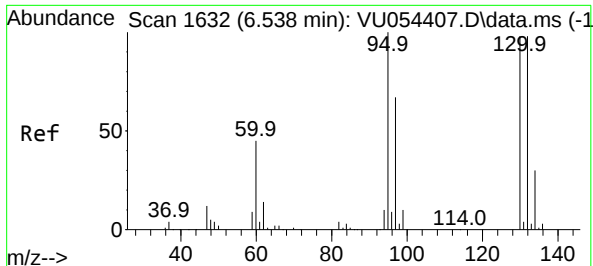
Tgt Ion:117 Resp: 15793
Ion Ratio Lower Upper
117 100
119 92.9 76.8 115.2



#33
Benzene
Concen: 0.469 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 78 Resp: 47757

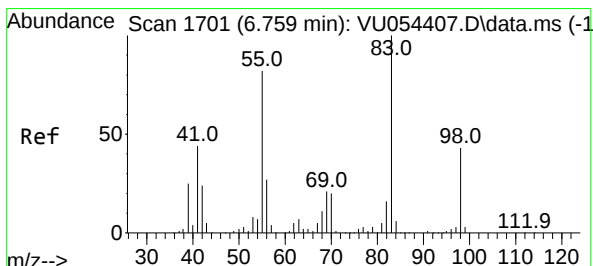
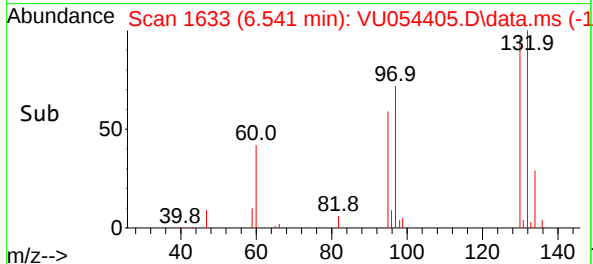
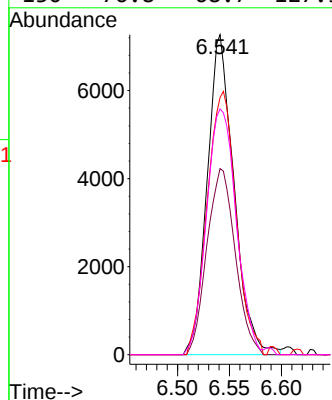
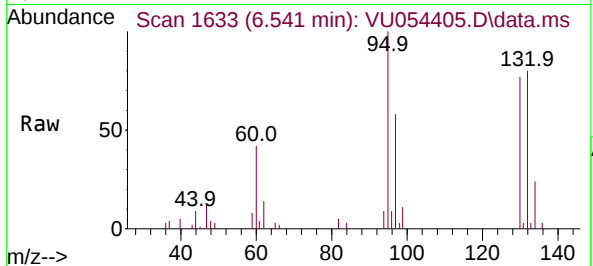




#34
Trichloroethene
Concen: 0.484 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

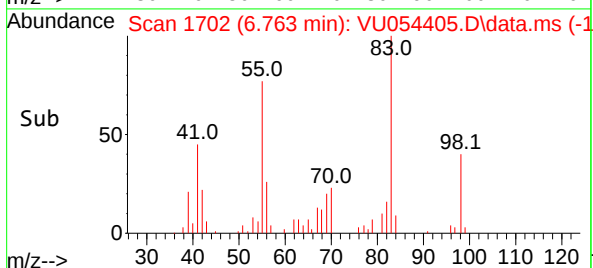
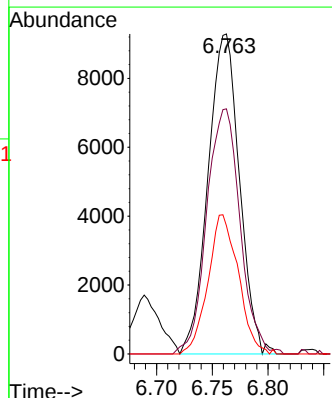
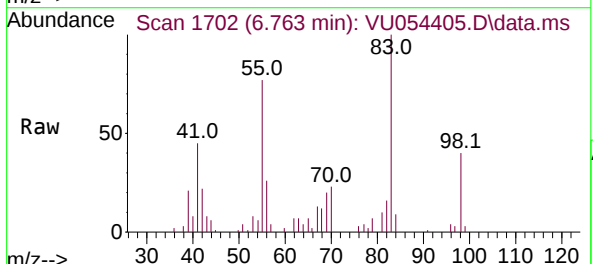
Instrument :
MSVOA_U
ClientSampleId :

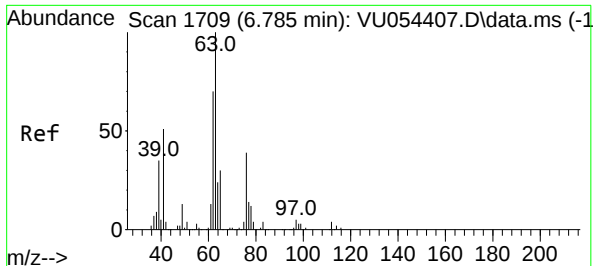
Tgt Ion: 95 Resp: 13009
Ion Ratio Lower Upper
95 100
97 58.2 46.8 87.0
132 80.3 68.4 127.0
130 76.8 68.7 127.5



#35
Methylcyclohexane
Concen: 0.448 ug/L
RT: 6.763 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 83 Resp: 18234
Ion Ratio Lower Upper
83 100
55 81.1 67.1 100.7
98 42.0 35.1 52.7





#37

1,2-Dichloropropane

Concen: 0.463 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

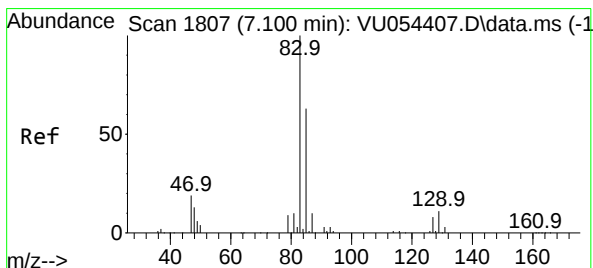
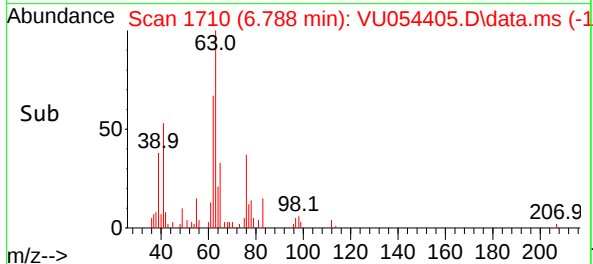
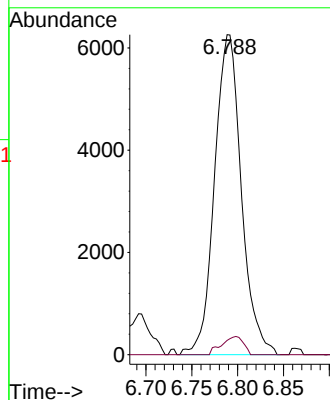
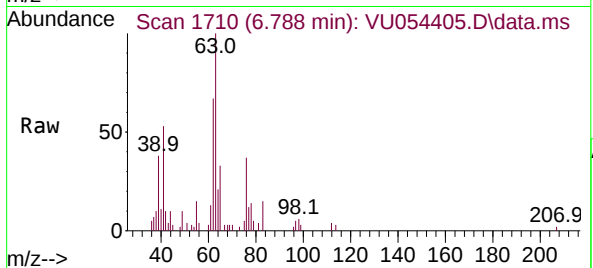
ClientSampleId :

Tgt Ion: 63 Resp: 12735

Ion Ratio Lower Upper

63 100

112 4.6 3.0 4.6#



#38

Bromodichloromethane

Concen: 0.451 ug/L

RT: 7.104 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

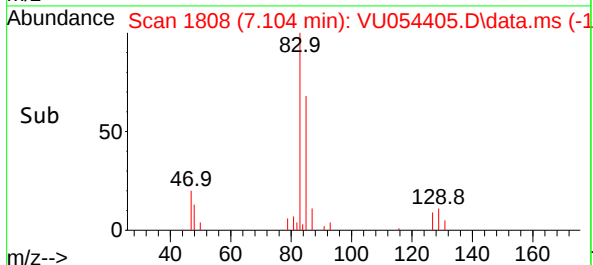
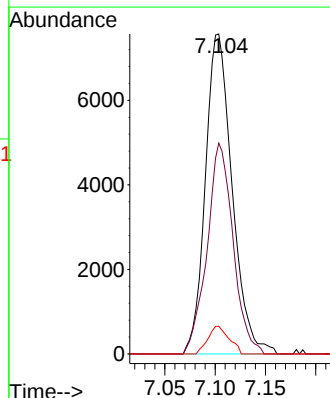
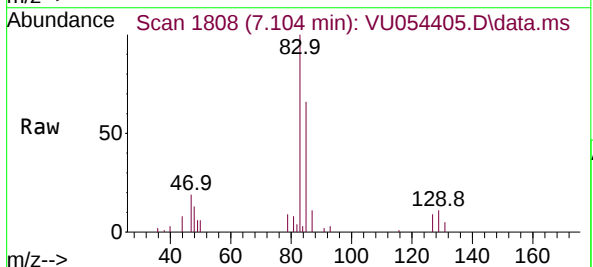
Tgt Ion: 83 Resp: 14039

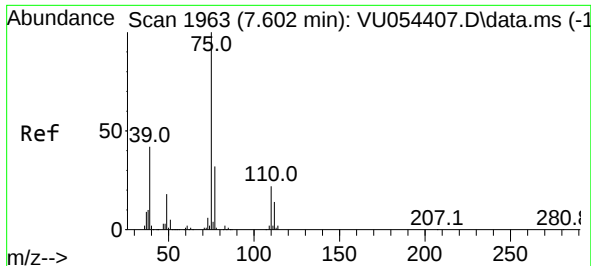
Ion Ratio Lower Upper

83 100

85 65.9 44.1 81.9

127 8.7 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.390 ug/L

RT: 7.608 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

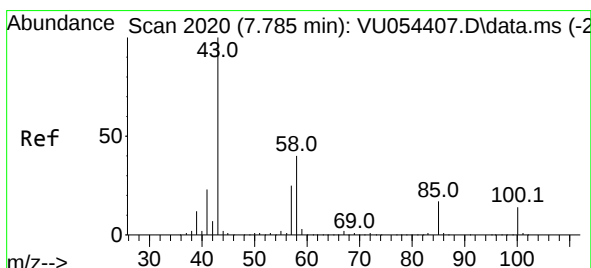
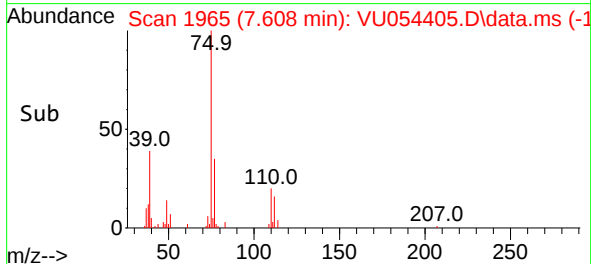
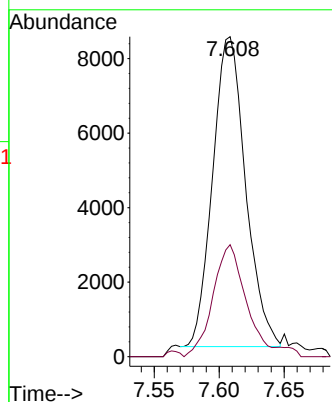
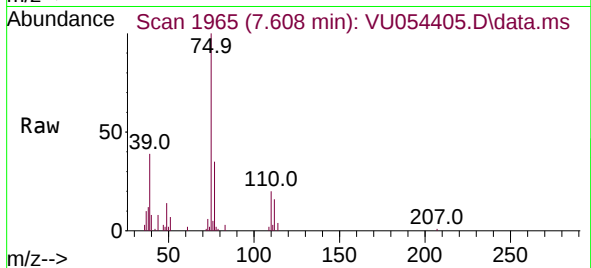
ClientSampleId :

Tgt Ion: 75 Resp: 14661

Ion Ratio Lower Upper

75 100

77 35.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 4.239 ug/L

RT: 7.792 min Scan# 2022

Delta R.T. 0.007 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

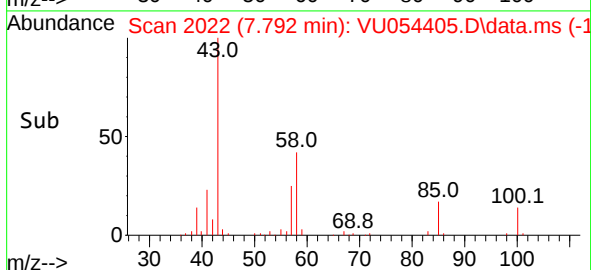
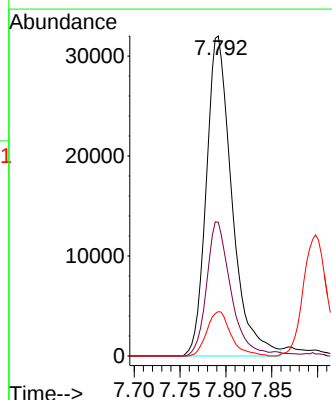
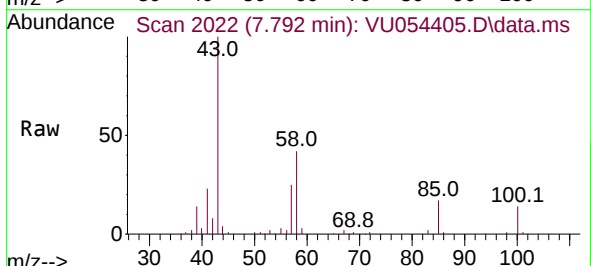
Tgt Ion: 43 Resp: 62232

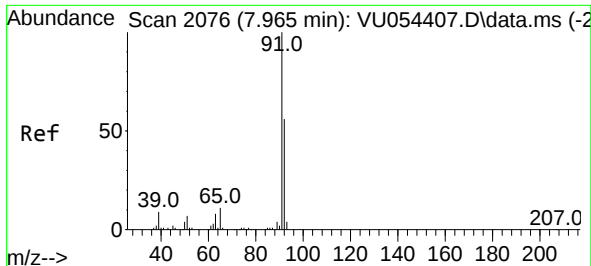
Ion Ratio Lower Upper

43 100

58 39.5 32.4 48.6

100 13.0 11.4 17.2





#42

Toluene

Concen: 0.431 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

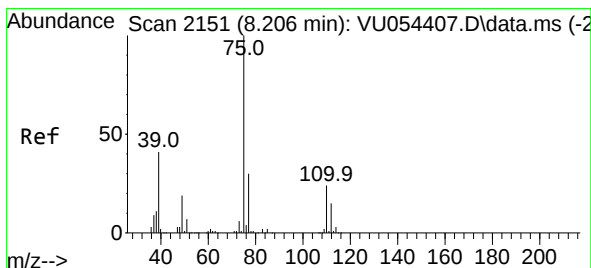
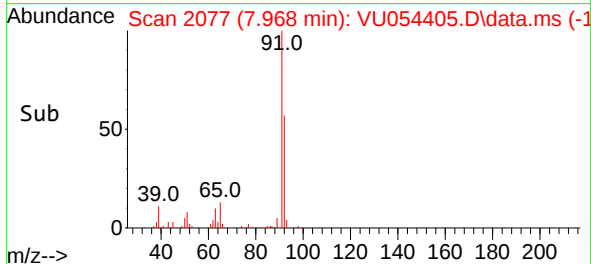
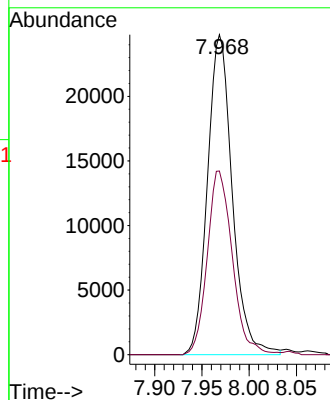
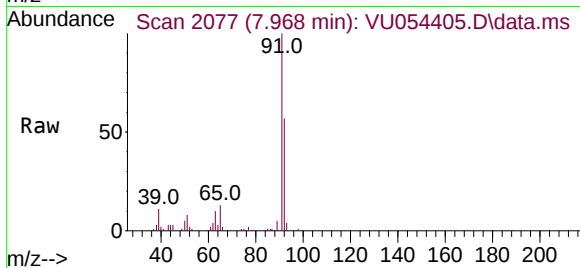
ClientSampleId :

Tgt Ion: 91 Resp: 45162

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.426 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054405.D

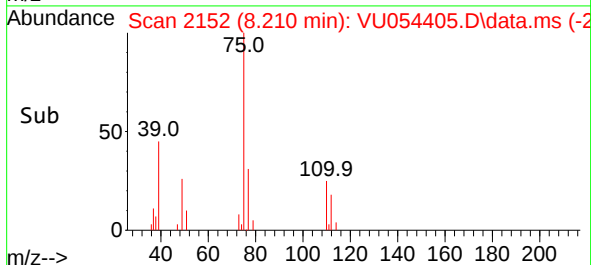
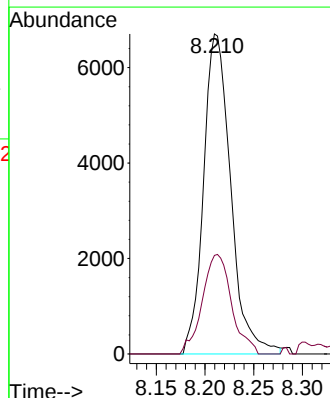
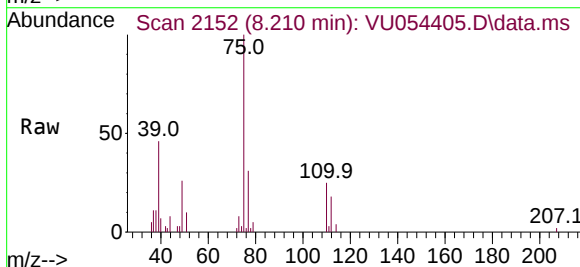
Acq: 07 Jun 2023 11:40

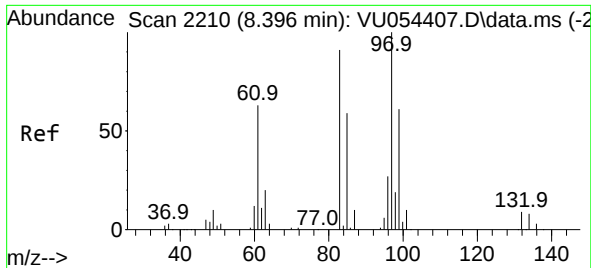
Tgt Ion: 75 Resp: 12994

Ion Ratio Lower Upper

75 100

77 30.8 21.3 39.6

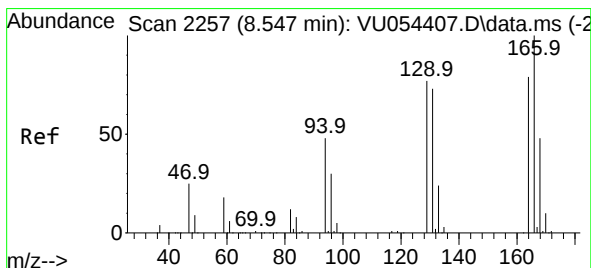
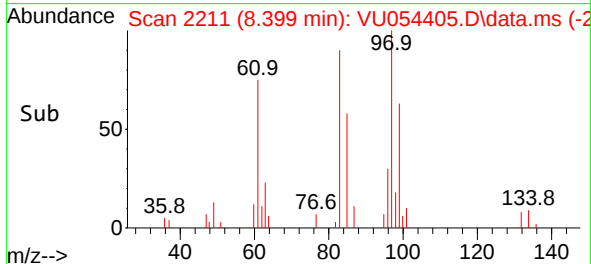
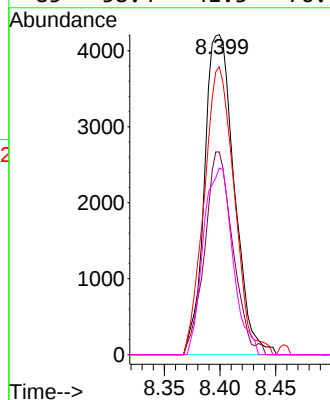
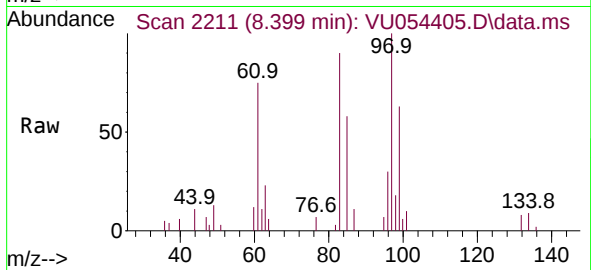




#45
1,1,2-Trichloroethane
Concen: 0.448 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

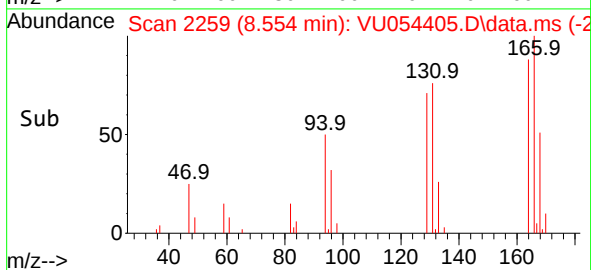
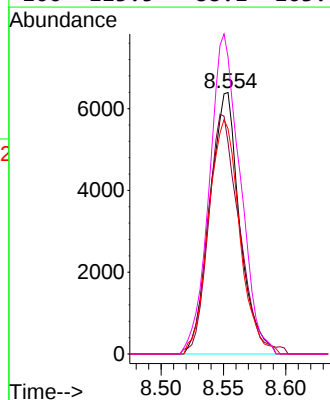
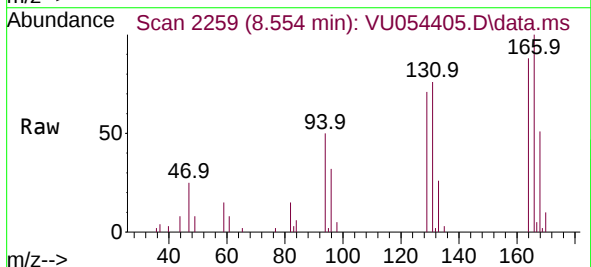
Instrument :
MSVOA_U
ClientSampleId :

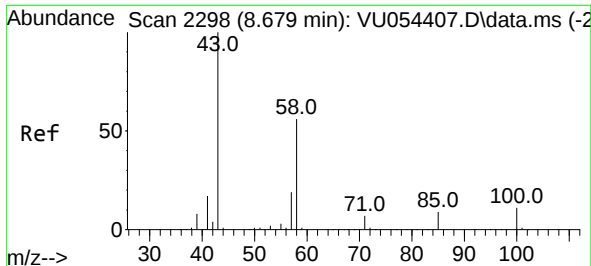
Tgt Ion: 97	Resp: 7847
Ion Ratio	Lower Upper
97 100	
99 63.3	43.0 80.0
83 90.0	63.8 118.6
85 58.4	41.3 76.7



#47
Tetrachloroethene
Concen: 0.520 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. 0.007 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt	Ion:164	Resp:	10717
Ion	Ratio	Lower	Upper
164	100		
129	80.8	67.7	125.7
131	86.1	64.6	120.0
166	113.5	88.1	163.7

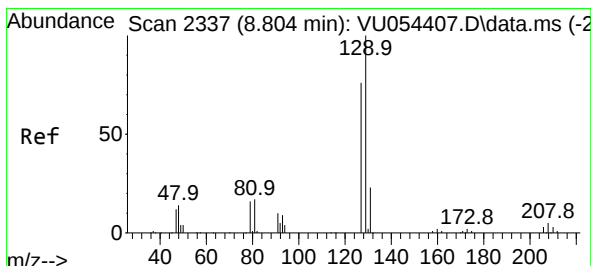
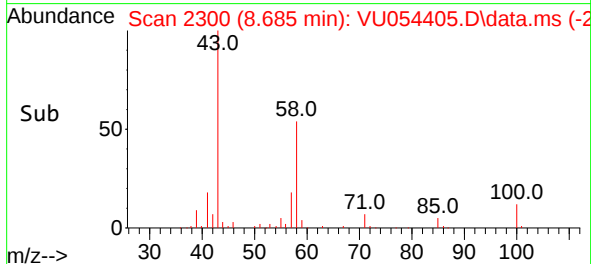
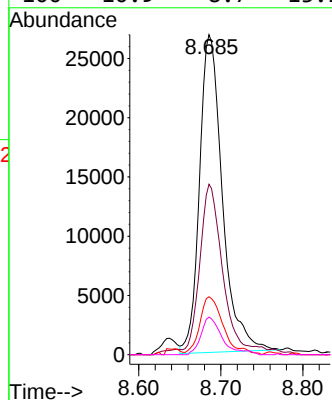
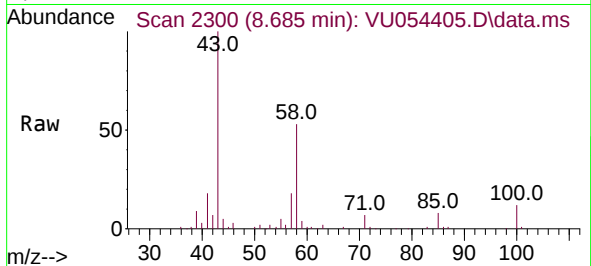




#48
2-Hexanone
Concen: 4.756 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

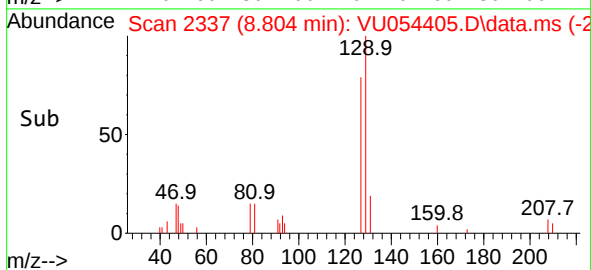
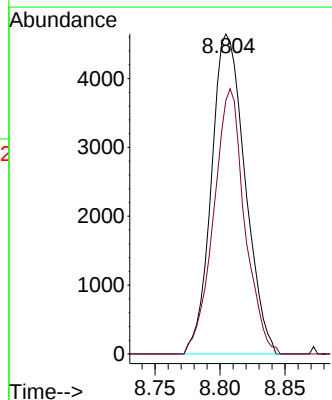
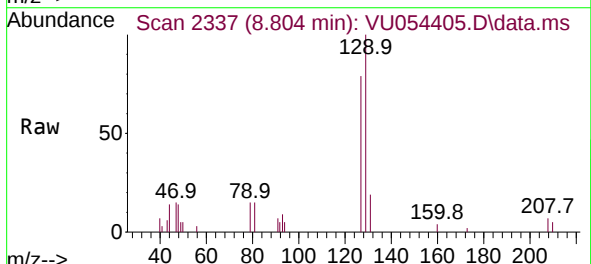
Instrument :
MSVOA_U
ClientSampleId :

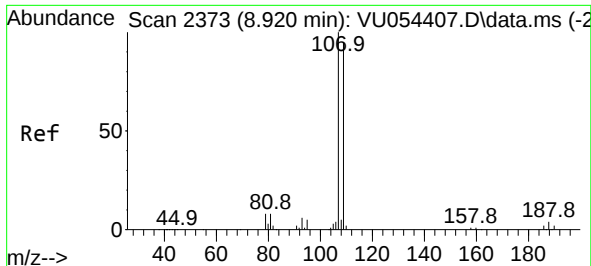
Tgt Ion: 43 Resp: 52029
Ion Ratio Lower Upper
43 100
58 51.1 45.2 67.8
57 18.7 15.8 23.6
100 10.9 8.7 13.1



#49
Dibromochloromethane
Concen: 0.456 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 129 Resp: 8371
Ion Ratio Lower Upper
129 100
127 79.2 53.2 98.8





#50

1,2-Dibromoethane

Concen: 0.456 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

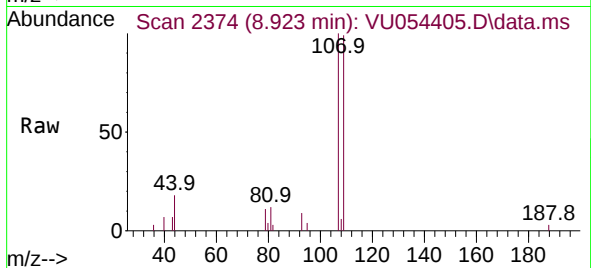
Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

ClientSampleId :



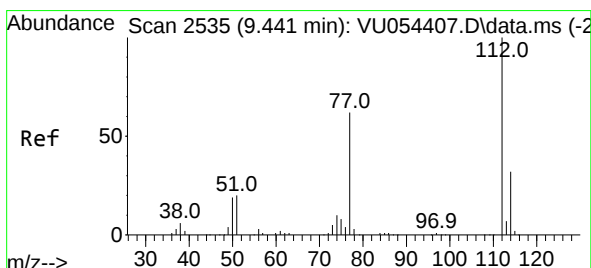
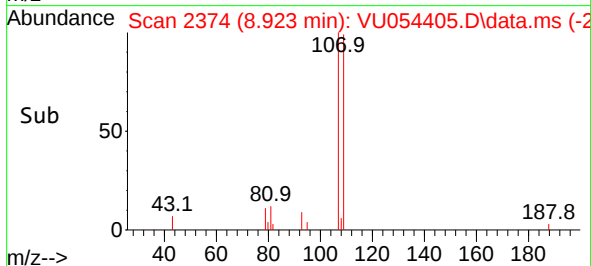
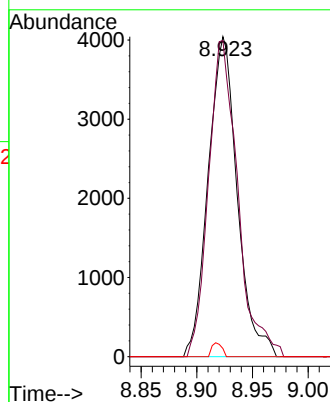
Tgt Ion:107 Resp: 7326

Ion Ratio Lower Upper

107 100

109 98.8 66.6 123.6

188 2.5 3.1 4.7#



#51

Chlorobenzene

Concen: 0.464 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

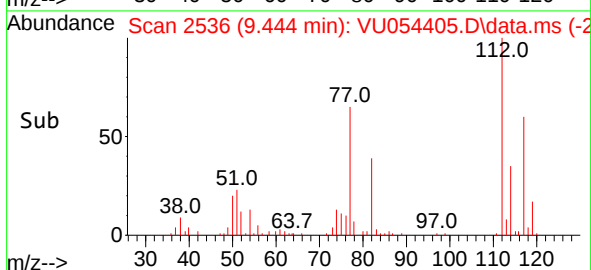
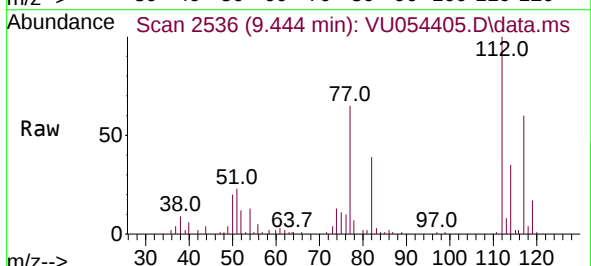
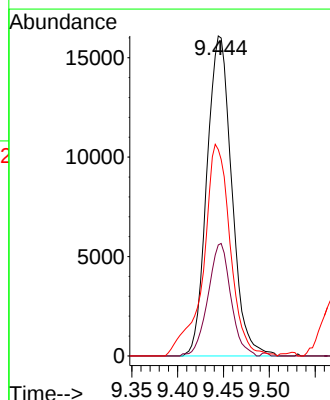
Tgt Ion:112 Resp: 30324

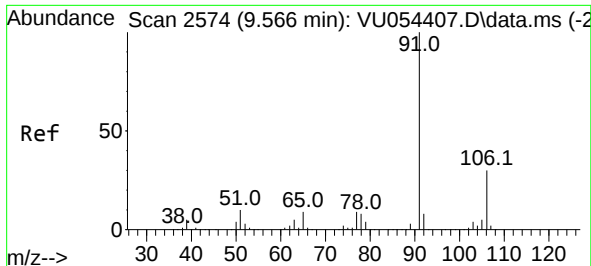
Ion Ratio Lower Upper

112 100

114 34.7 22.7 42.1

77 64.5 49.8 74.8

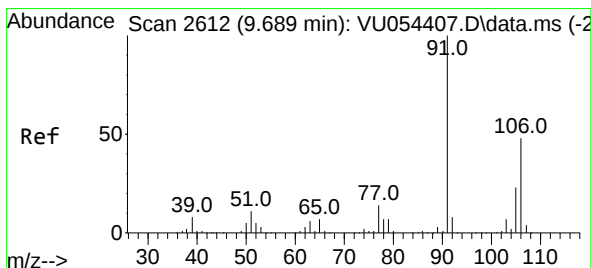
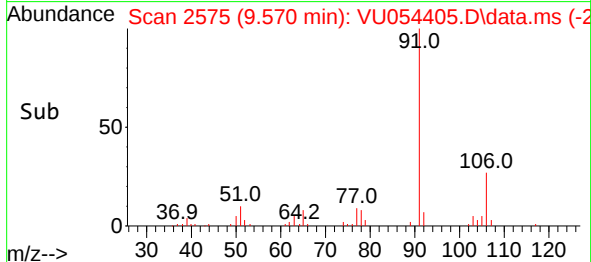
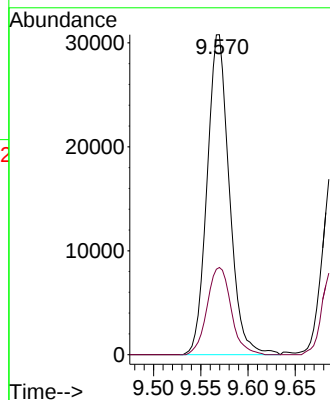
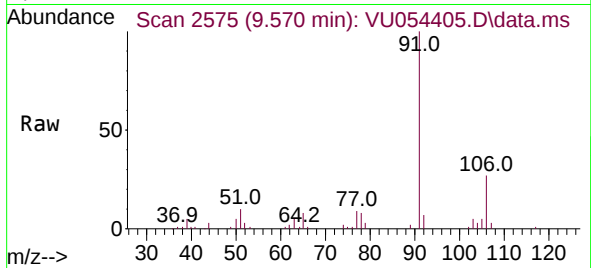




#52
Ethylbenzene
Concen: 0.439 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

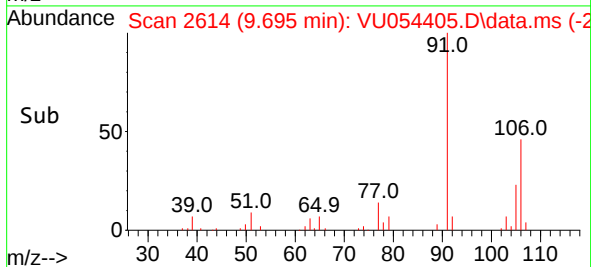
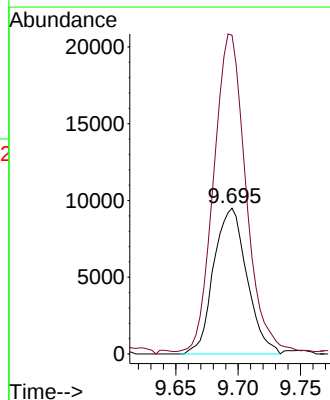
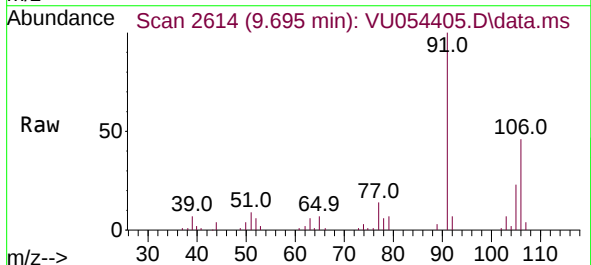
Instrument :
MSVOA_U
ClientSampleId :

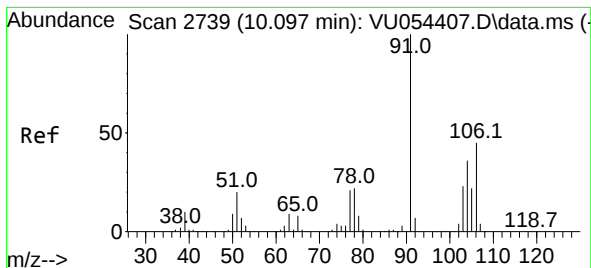
Tgt Ion: 91 Resp: 50259
Ion Ratio Lower Upper
91 100
106 27.2 21.1 39.3



#53
m,p-Xylene
Concen: 0.419 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.007 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion:106 Resp: 17615
Ion Ratio Lower Upper
106 100
91 218.5 147.0 273.0





#54

o-Xylene

Concen: 0.399 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

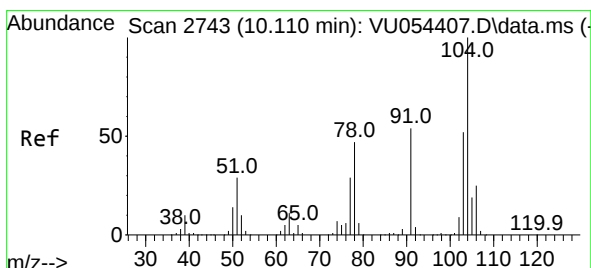
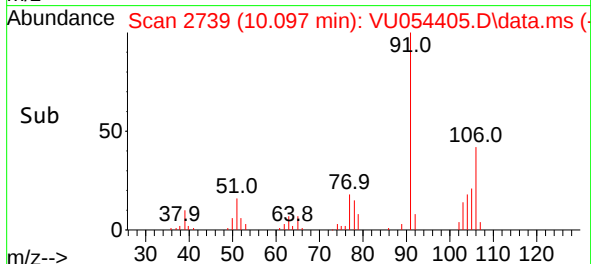
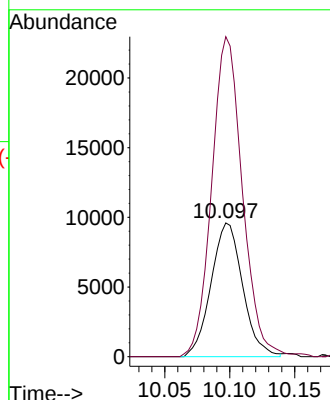
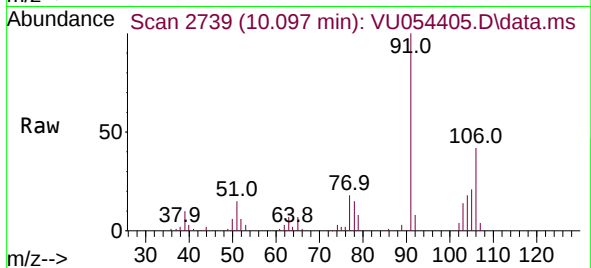
ClientSampleId :

Tgt Ion:106 Resp: 16234

Ion Ratio Lower Upper

106 100

91 239.2 154.5 286.9



#55

Styrene

Concen: 0.397 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.007 min

Lab File: VU054405.D

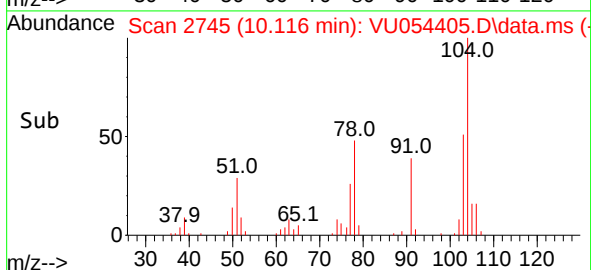
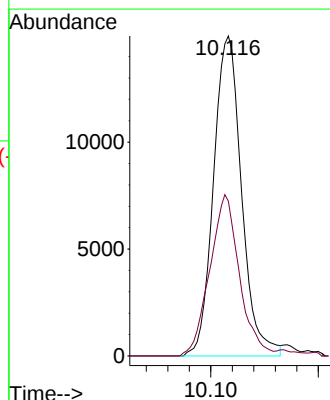
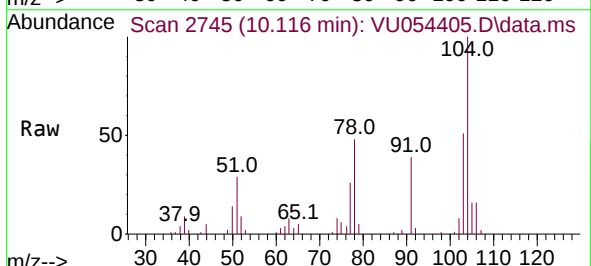
Acq: 07 Jun 2023 11:40

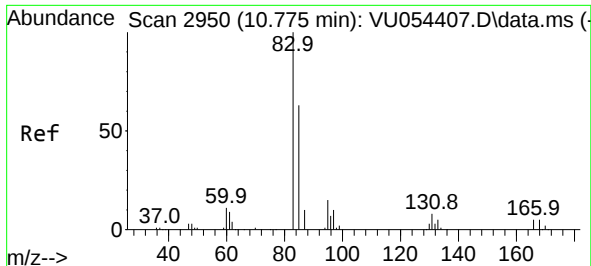
Tgt Ion:104 Resp: 27067

Ion Ratio Lower Upper

104 100

78 48.4 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.474 ug/L

RT: 10.779 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

ClientSampleId :

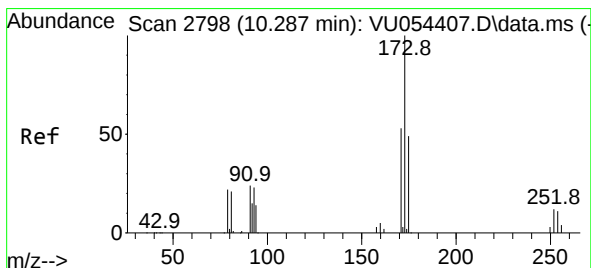
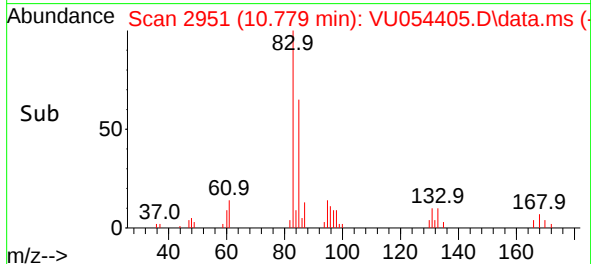
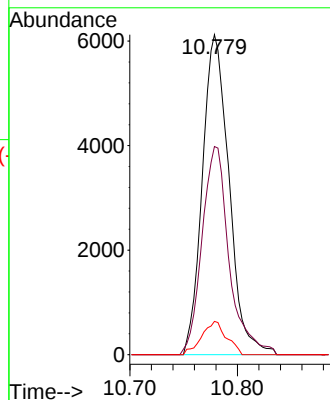
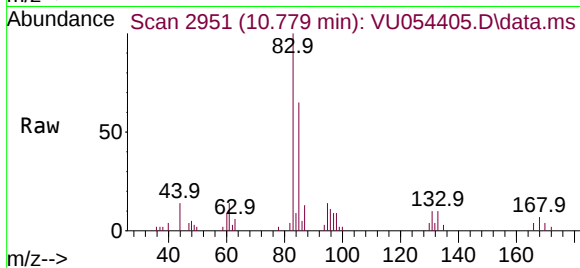
Tgt Ion: 83 Resp: 10536

Ion Ratio Lower Upper

83 100

85 65.0 44.2 82.2

131 10.4 7.0 10.6



#59

Bromoform

Concen: 0.461 ug/L

RT: 10.293 min Scan# 2800

Delta R.T. 0.006 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

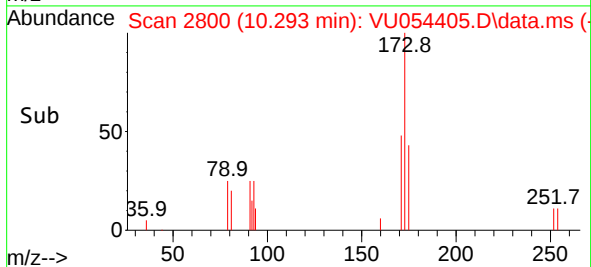
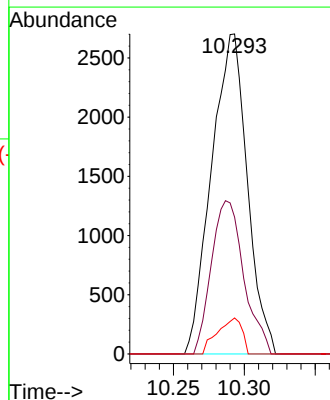
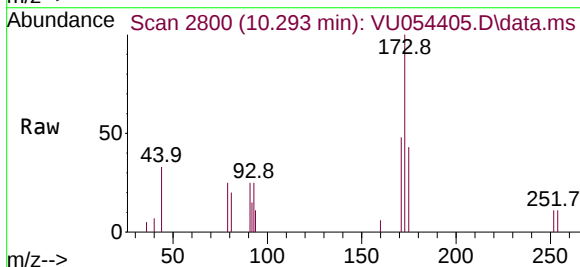
Tgt Ion:173 Resp: 4745

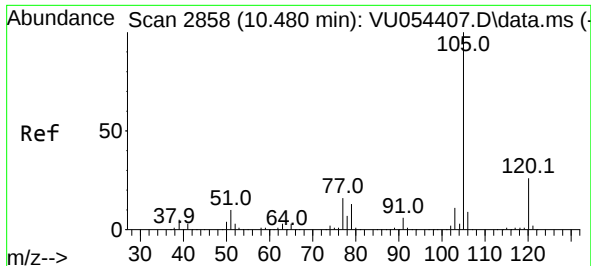
Ion Ratio Lower Upper

173 100

175 43.4 39.4 59.0

254 7.7 8.6 12.8#

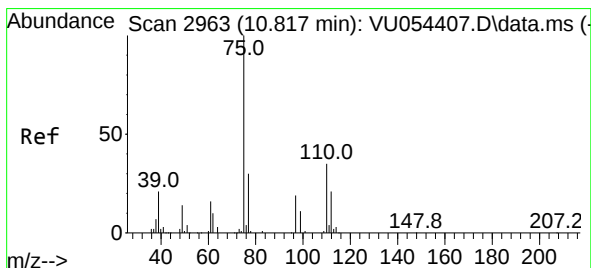
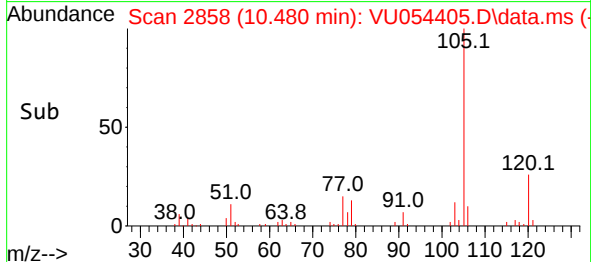
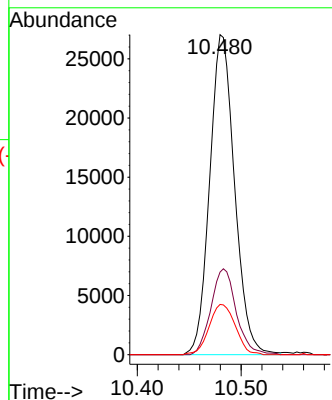
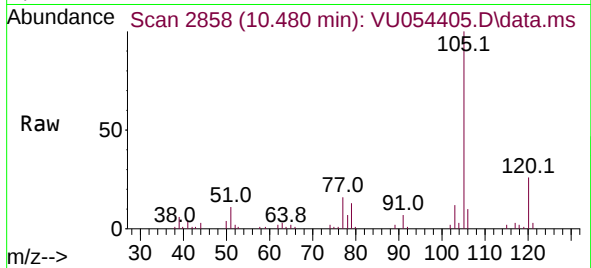




#60
Isopropylbenzene
Concen: 0.429 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

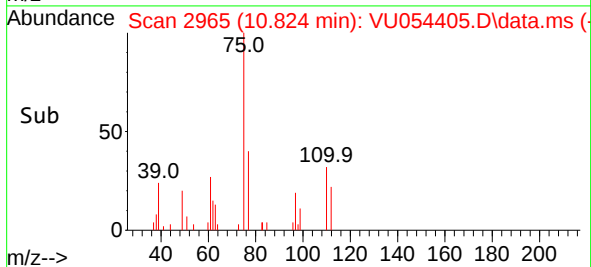
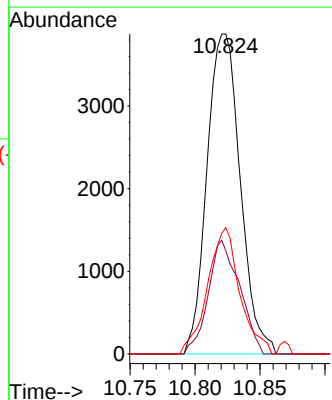
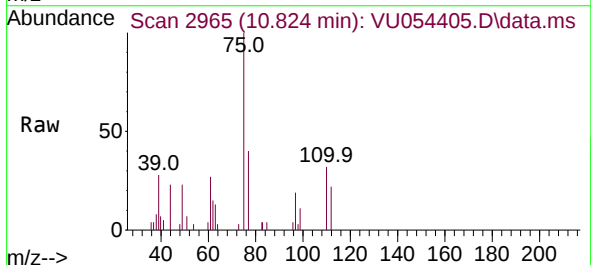
Instrument :
MSVOA_U
ClientSampleId :

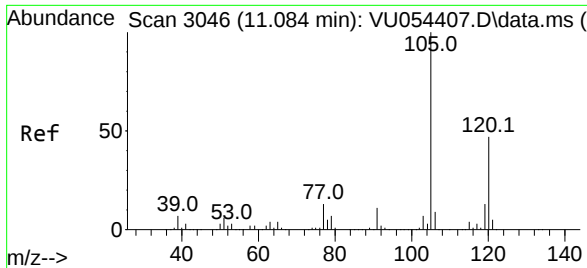
Tgt Ion:105 Resp: 44998
Ion Ratio Lower Upper
105 100
120 27.3 20.9 31.3
77 16.6 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.476 ug/L
RT: 10.824 min Scan# 2965
Delta R.T. 0.007 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion: 75 Resp: 6894
Ion Ratio Lower Upper
75 100
110 33.5 28.0 42.0
77 38.2 25.4 38.2#

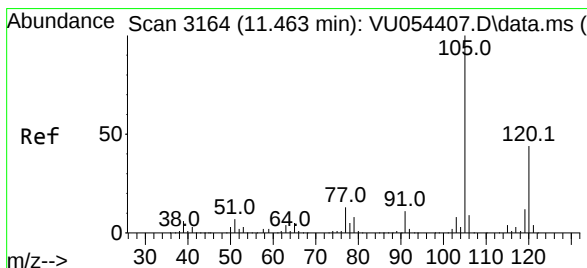
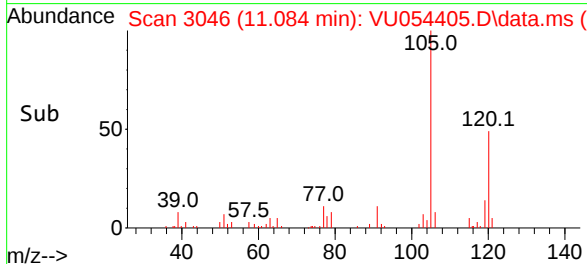
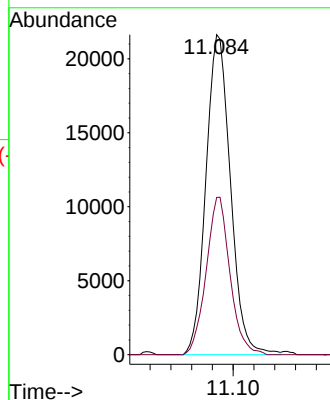
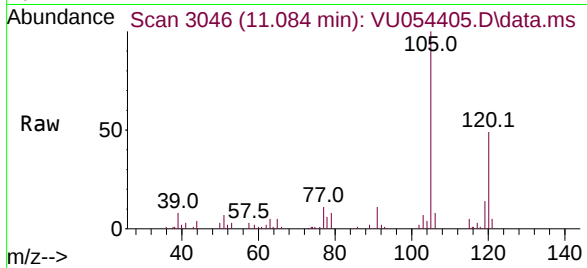




#62
 1,3,5-Trimethylbenzene
 Concen: 0.414 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054405.D
 Acq: 07 Jun 2023 11:40

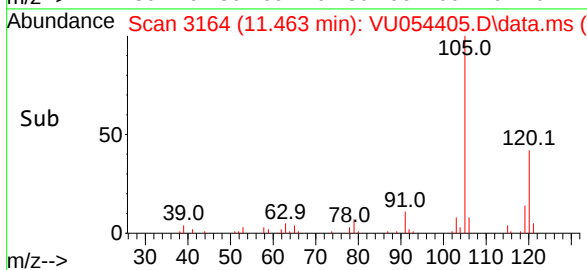
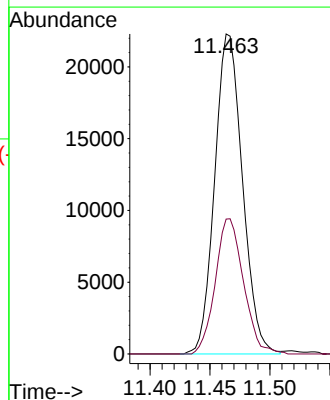
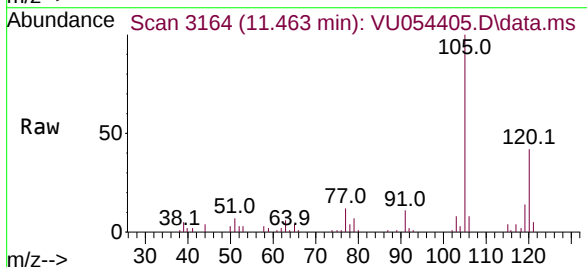
Instrument :
 MSVOA_U
 ClientSampleId :

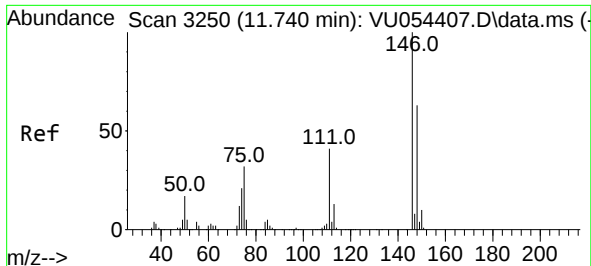
Tgt Ion:105 Resp: 35391
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 0.413 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054405.D
 Acq: 07 Jun 2023 11:40

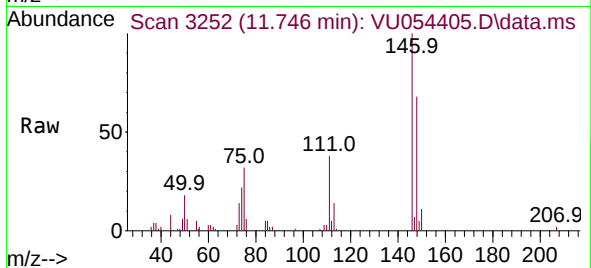
Tgt Ion:105 Resp: 35867
 Ion Ratio Lower Upper
 105 100
 120 42.9 35.4 53.0



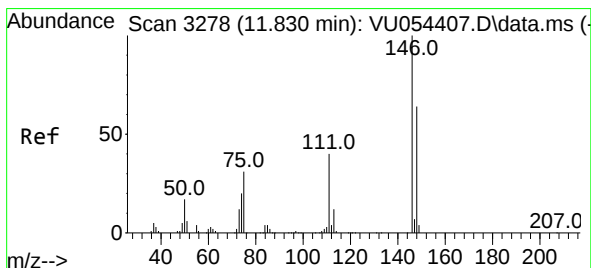
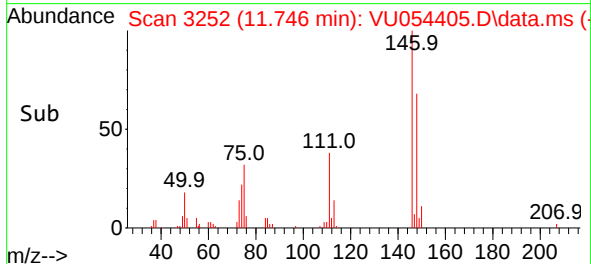
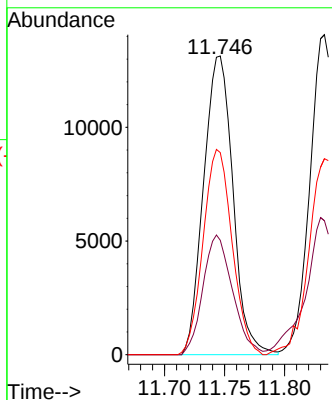


#64
1,3-Dichlorobenzene
Concen: 0.456 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Instrument :
MSVOA_U
ClientSampleId :

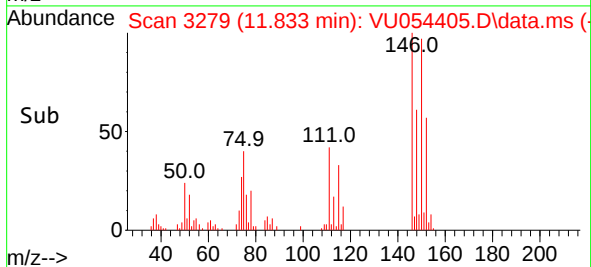
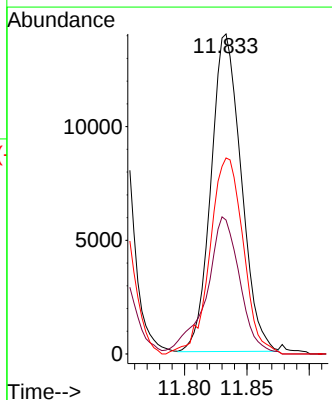
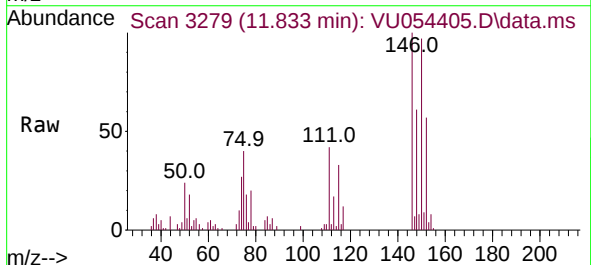


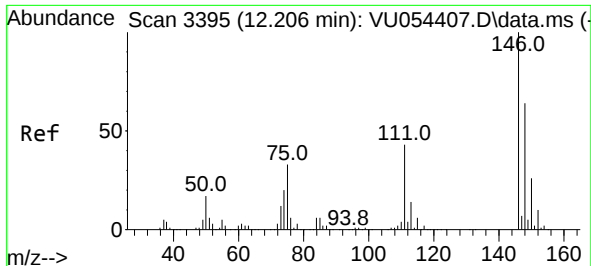
Tgt Ion:146 Resp: 22356
Ion Ratio Lower Upper
146 100
111 38.3 28.9 53.7
148 67.6 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 0.480 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU054405.D
Acq: 07 Jun 2023 11:40

Tgt Ion:146 Resp: 23606
Ion Ratio Lower Upper
146 100
111 41.9 28.0 52.0
148 61.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 0.463 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

ClientSampleId :

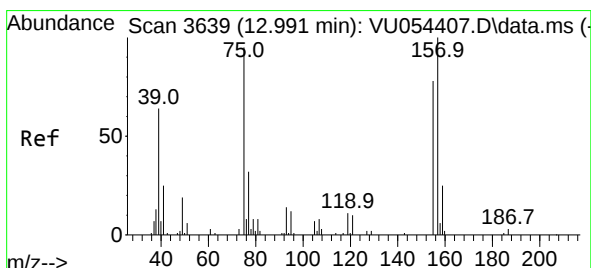
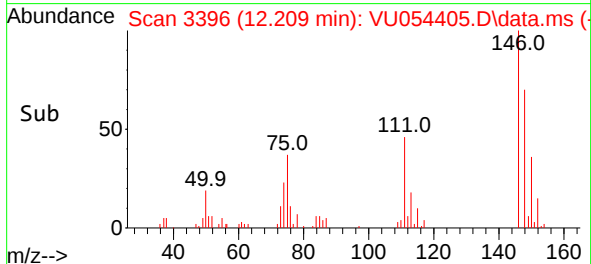
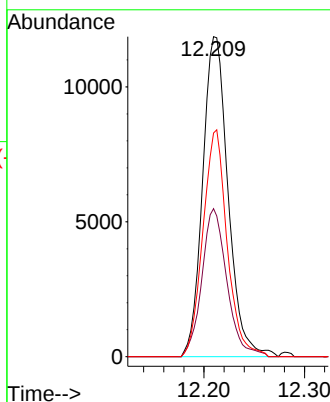
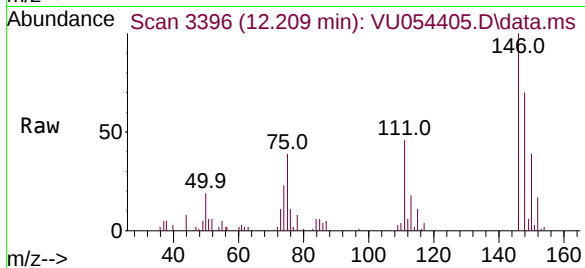
Tgt Ion:146 Resp: 20870

Ion Ratio Lower Upper

146 100

111 46.2 34.5 51.7

148 69.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 0.447 ug/L

RT: 13.004 min Scan# 3643

Delta R.T. 0.013 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

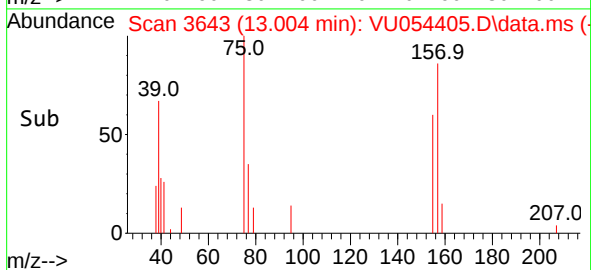
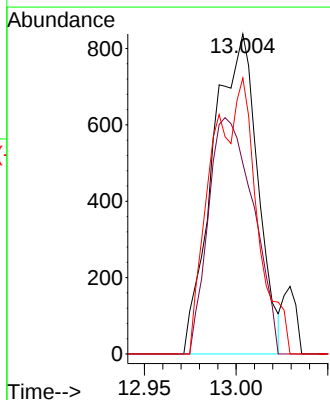
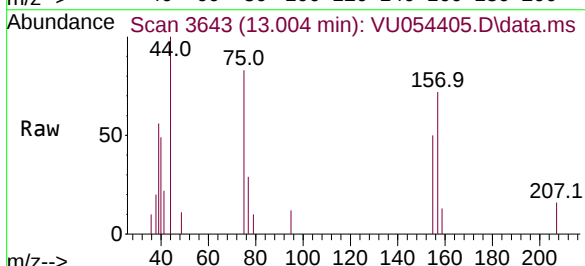
Tgt Ion: 75 Resp: 1421

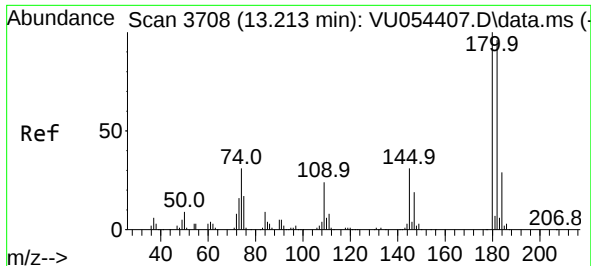
Ion Ratio Lower Upper

75 100

155 59.5 65.7 98.5#

157 86.3 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 0.477 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

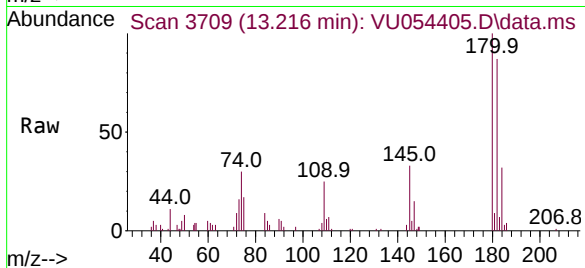
Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 17627

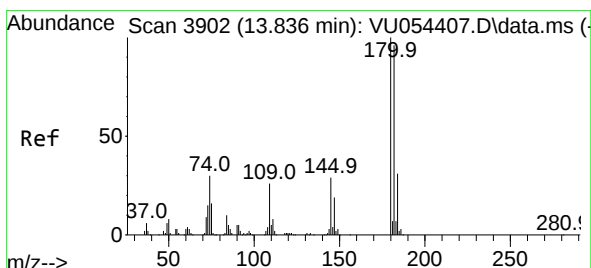
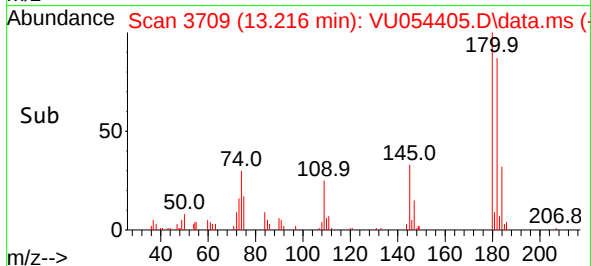
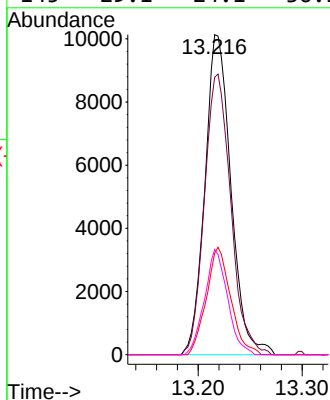
Ion Ratio Lower Upper

180 100

182 88.7 75.0 112.6

184 31.4 24.1 36.1

145 29.1 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 0.473 ug/L

RT: 13.840 min Scan# 3903

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

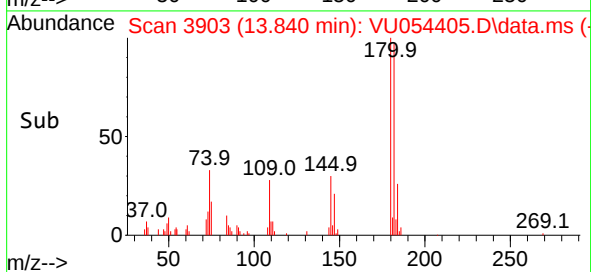
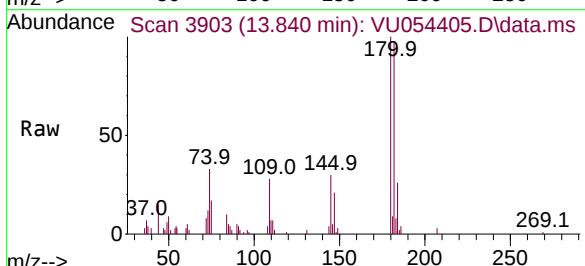
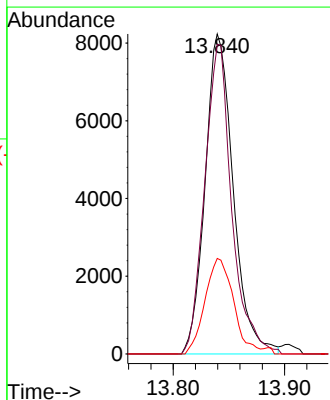
Tgt Ion:180 Resp: 14468

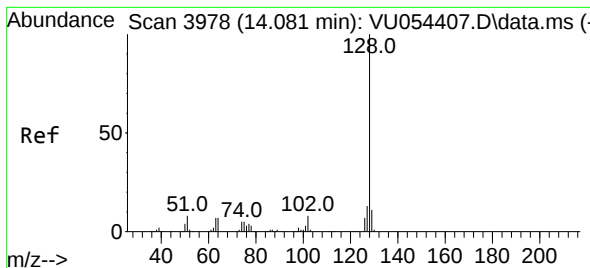
Ion Ratio Lower Upper

180 100

182 92.9 76.6 114.8

145 30.1 24.0 36.0





#71

Naphthalene

Concen: 0.493 ug/L

RT: 14.087 min Scan# 3978

Delta R.T. 0.007 min

Lab File: VU054405.D

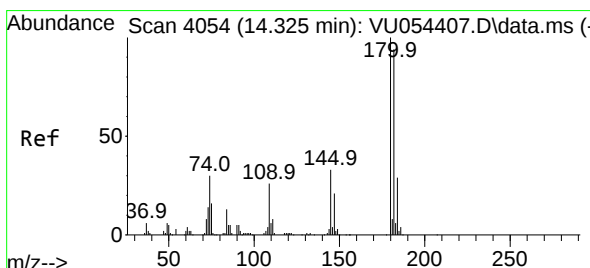
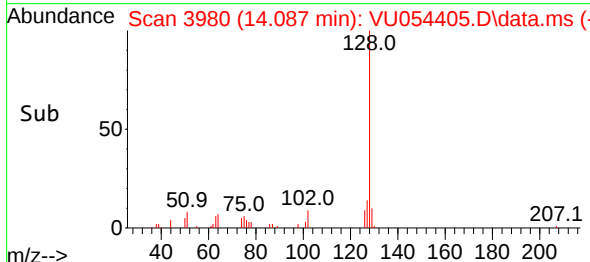
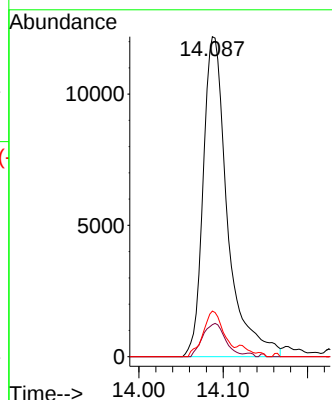
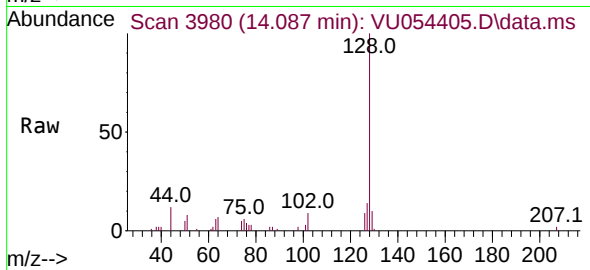
Acq: 07 Jun 2023 11:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	128	Resp:	24515
Ion Ratio	Lower	Upper	
128	100		
129	9.6	8.6	12.8
127	12.0	10.6	15.8



#72

1,2,3-Trichlorobenzene

Concen: 0.478 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU054405.D

Acq: 07 Jun 2023 11:40

Tgt Ion:	180	Resp:	12556
Ion Ratio	Lower	Upper	
180	100		
182	100.8	75.4	113.2
145	32.8	26.0	39.0

