

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060723\
 Data File : VU054409.D
 Acq On : 07 Jun 2023 13:17
 Operator : MD/SY
 Sample : VSTD02035
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020035

Quant Time: Jun 08 01:06:03 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	6.245	114	353544	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	329830	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	185770	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	429595	19.093	ug/L	0.00
7) Chloroethane-d5	1.914	69	401514	19.060	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	189414	18.849	ug/L	0.00
20) 2-Butanone-d5	4.628	46	1331372	210.459	ug/L	0.00
24) Chloroform-d	5.058	84	912321	19.398	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	439747	19.181	ug/L	0.00
32) Benzene-d6	5.721	84	1792434	19.549	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	601193	19.634	ug/L	0.00
41) Toluene-d8	7.894	98	1624066	19.959	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	215437	20.233	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	1004960	224.966	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	460917	20.186	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	608676	19.425	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	631529	19.117	ug/L	99
3) Chloromethane	1.518	50	708909	18.681	ug/L	100
5) Vinyl chloride	1.605	62	751462	19.292	ug/L	99
6) Bromomethane	1.859	94	408559	19.078	ug/L	98
8) Chloroethane	1.933	64	435213	18.640	ug/L	98
9) Trichlorofluoromethane	2.136	101	908836	18.979	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	537272	19.179	ug/L	99
12) 1,1-Dichloroethene	2.576	96	493622	19.250	ug/L	88
13) Acetone	2.644	43	1051857	176.349	ug/L	99
14) Carbon disulfide	2.792	76	1486941	19.554	ug/L	100
15) Methyl Acetate	2.952	43	223212	20.195	ug/L	98
16) Methylene chloride	3.042	84	560382	15.541	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	1274929	20.143	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	502584	18.983	ug/L	98
19) 1,1-Dichloroethane	3.866	63	1057866	19.307	ug/L	99
21) 2-Butanone	4.708	43	1549603	189.298	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	590251	19.578	ug/L	99
23) Bromochloromethane	4.968	128	242015	19.290	ug/L	95
25) Chloroform	5.081	83	1026635	19.006	ug/L	98
27) 1,2-Dichloroethane	5.788	62	613899	19.389	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	870557	19.465	ug/L	100
30) Cyclohexane	5.383	56	994402	20.413	ug/L	99
31) Carbon tetrachloride	5.521	117	739639	19.192	ug/L	99
33) Benzene	5.769	78	2291568	19.332	ug/L	100
34) Trichloroethene	6.537	95	603089	19.240	ug/L	97
35) Methylcyclohexane	6.759	83	980086	20.686	ug/L	97
37) 1,2-Dichloropropane	6.785	63	611410	19.076	ug/L	99
38) Bromodichloromethane	7.100	83	707093	19.490	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	900695	20.584	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	3498568	204.547	ug/L	99
42) Toluene	7.965	91	2425153	19.866	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	724663	20.406	ug/L	97

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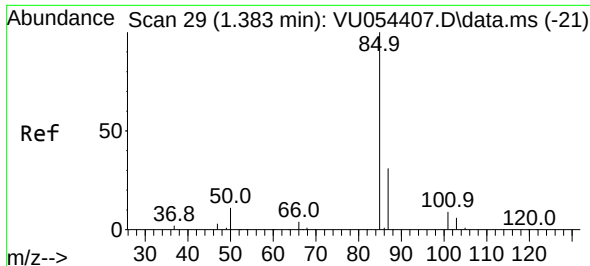
Instrument :
 MSVOA_U
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Quant Time: Jun 08 01:06:03 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	392813	19.265	ug/L	100
47) Tetrachloroethene	8.547	164	442792	18.454	ug/L	99
48) 2-Hexanone	8.682	43	2596089	203.705	ug/L	99
49) Dibromochloromethane	8.804	129	425816	19.889	ug/L	98
50) 1,2-Dibromoethane	8.920	107	367236	19.618	ug/L	98
51) Chlorobenzene	9.441	112	1495294	19.650	ug/L	100
52) Ethylbenzene	9.566	91	2730770	20.483	ug/L	100
53) m,p-Xylene	9.688	106	1014609	20.716	ug/L	100
54) o-Xylene	10.097	106	983122	20.757	ug/L	98
55) Styrene	10.110	104	1691431	21.278	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	503531	19.442	ug/L	99
59) Bromoform	10.286	173	257861	19.335	ug/L	99
60) Isopropylbenzene	10.479	105	2682369	19.738	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	347202	18.494	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	2301099	20.753	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	2349818	20.866	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	1230363	19.369	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	1224273	19.203	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	1132331	19.382	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	82548	20.009	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	952776	19.879	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	810468	20.449	ug/L	100
71) Naphthalene	14.081	128	1358499	21.080	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	697673	20.491	ug/L	99

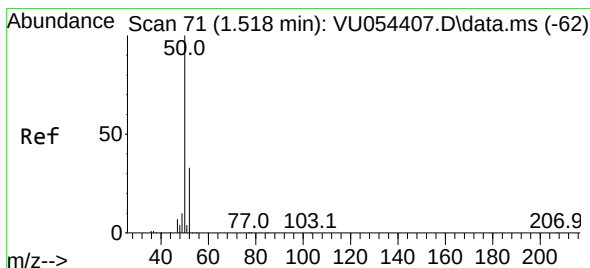
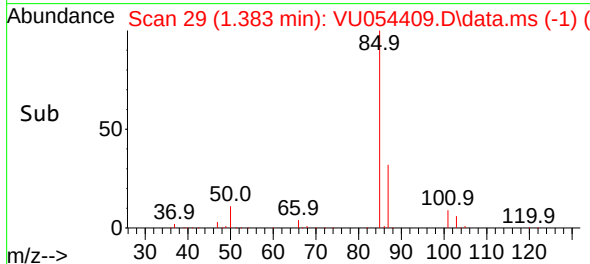
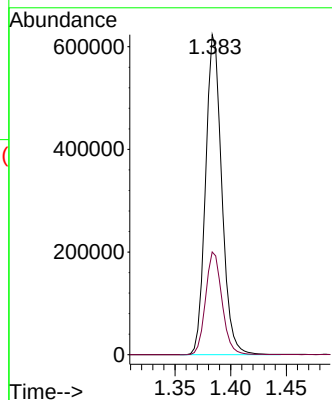
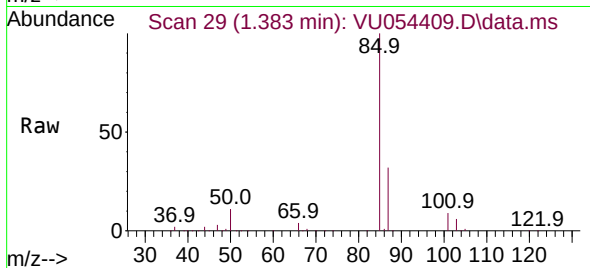
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 19.117 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

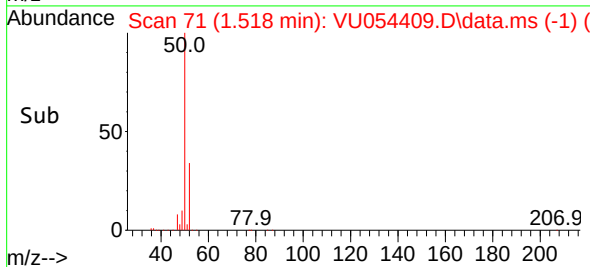
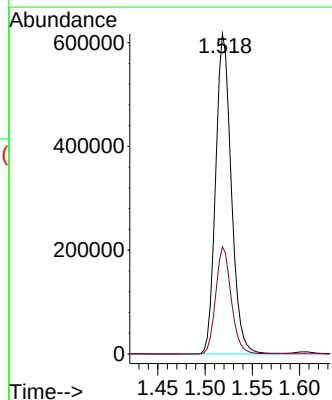
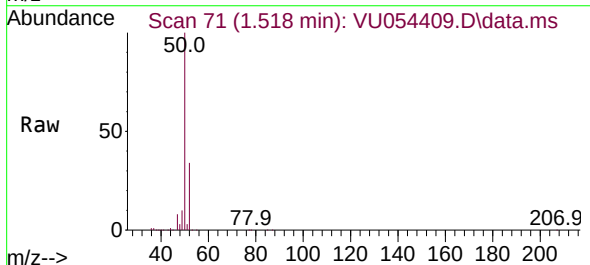
Instrument :
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 ClientSampleId :
 VSTD020035

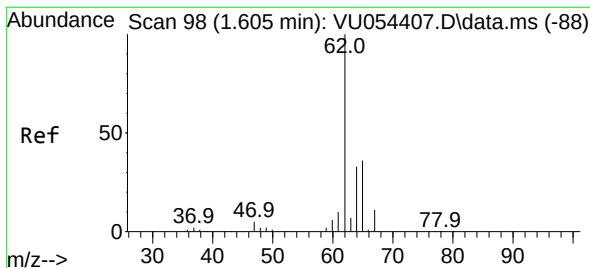
Tgt Ion: 85 Resp: 631529
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.4 38.2



#3
 Chloromethane
 Concen: 18.681 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

Tgt Ion: 50 Resp: 708909
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.4 43.4





#5

Vinyl chloride

Concen: 19.292 ug/L

RT: 1.605 min Scan# 98

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

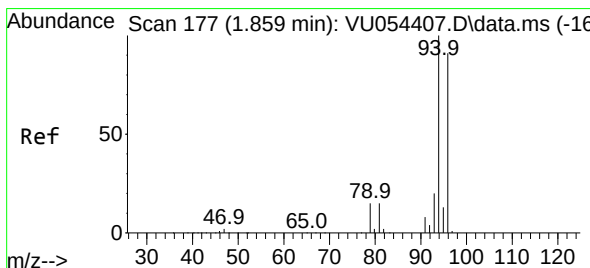
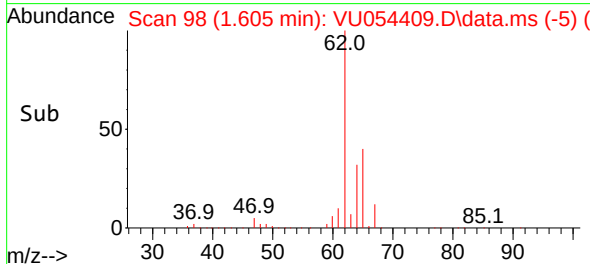
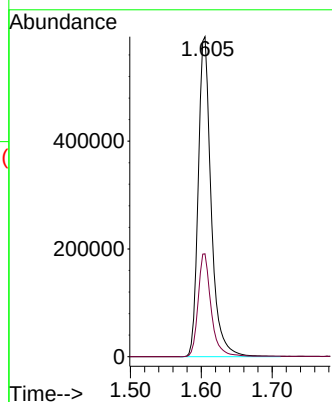
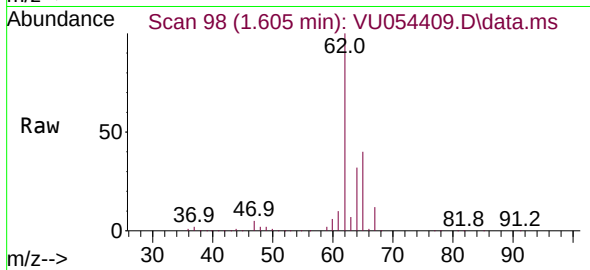
VSTD020035

Tgt Ion: 62 Resp: 751462

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 19.078 ug/L

RT: 1.859 min Scan# 177

Delta R.T. -0.000 min

Lab File: VU054409.D

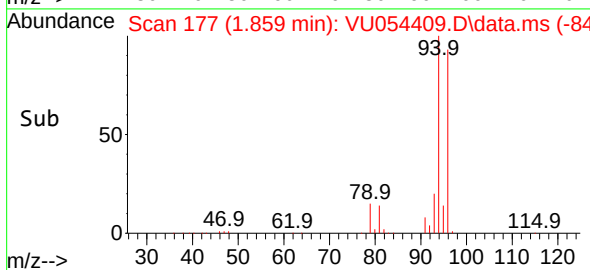
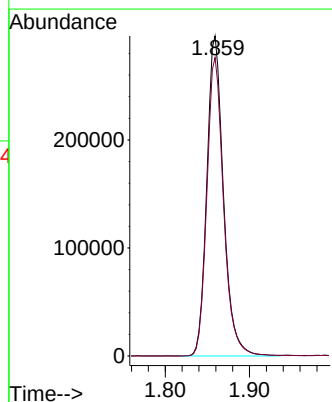
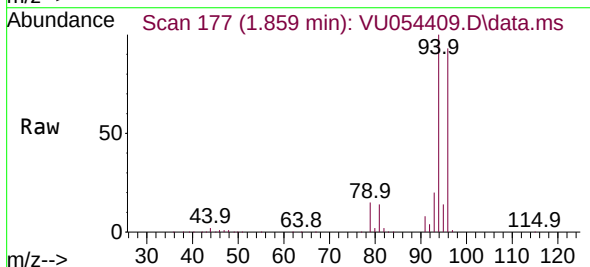
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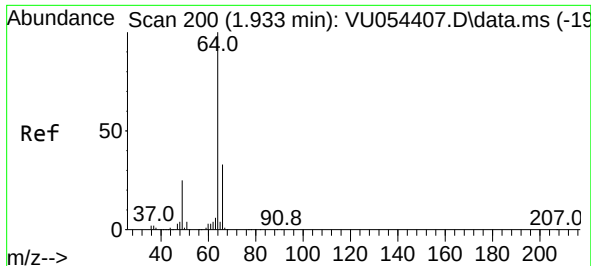
Tgt Ion: 94 Resp: 408559

Ion Ratio Lower Upper

94 100

96 93.3 63.6 118.2

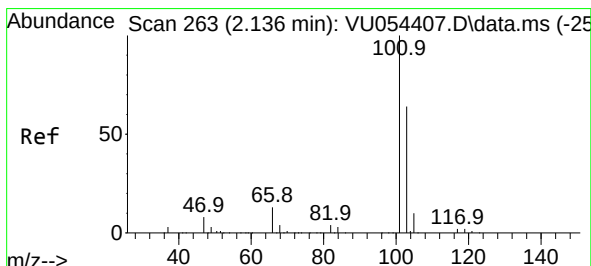
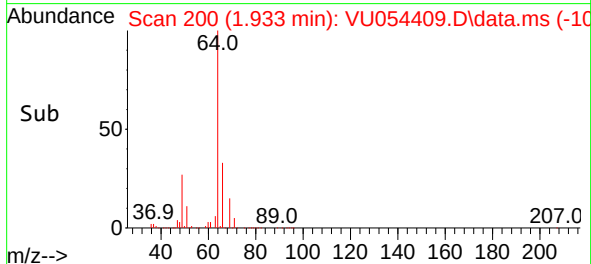
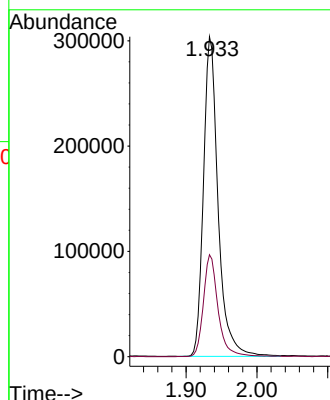
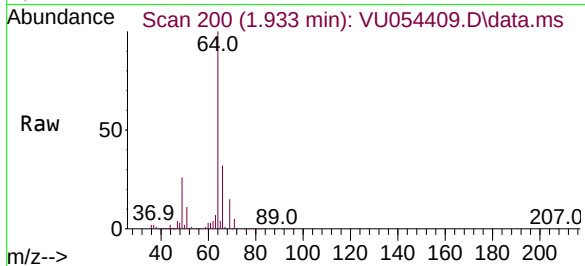




#8
Chloroethane
Concen: 18.640 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

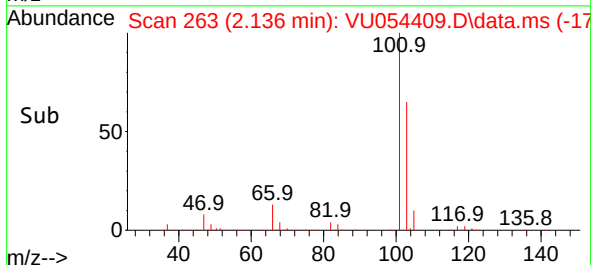
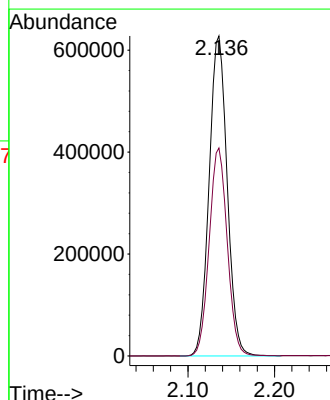
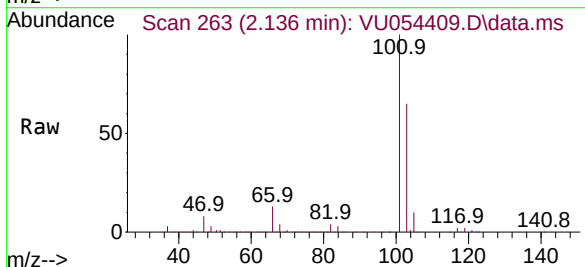
Instrument :
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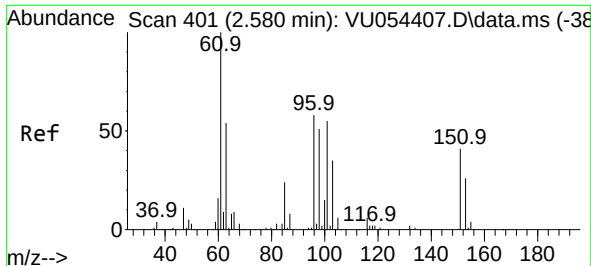
Tgt Ion: 64 Resp: 435213
Ion Ratio Lower Upper
64 100
66 31.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 18.979 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion:101 Resp: 908836
Ion Ratio Lower Upper
101 100
103 65.0 50.6 75.8

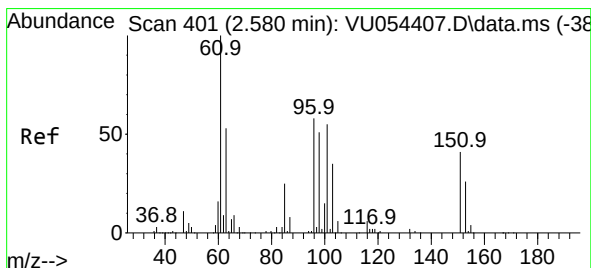
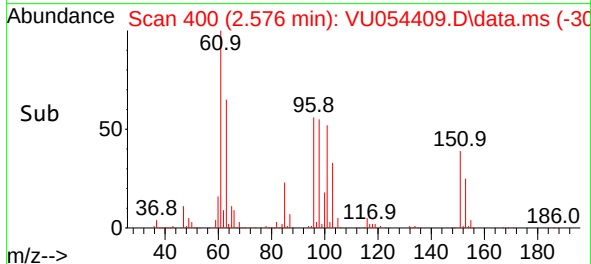
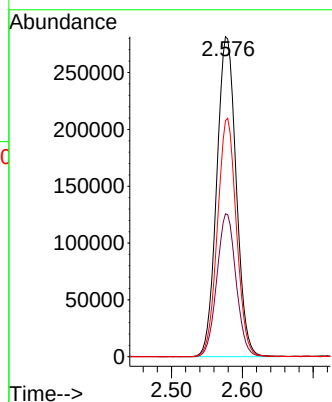
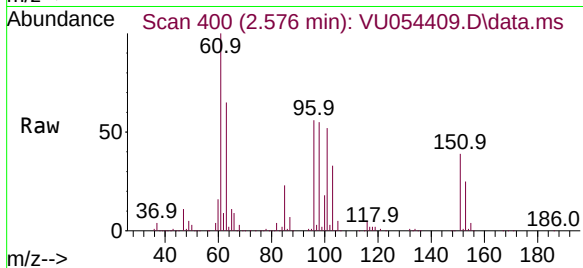




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.179 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

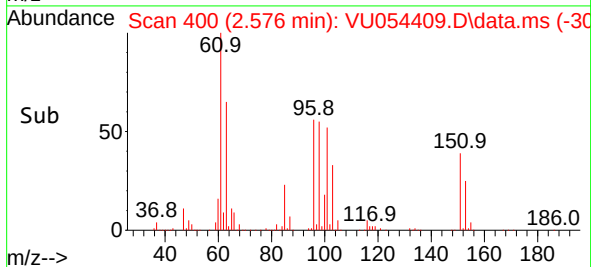
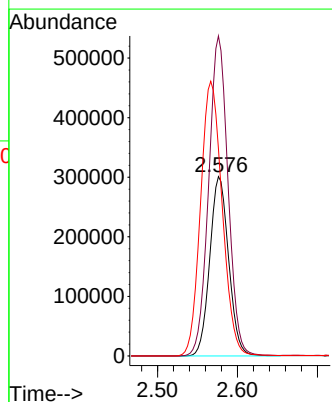
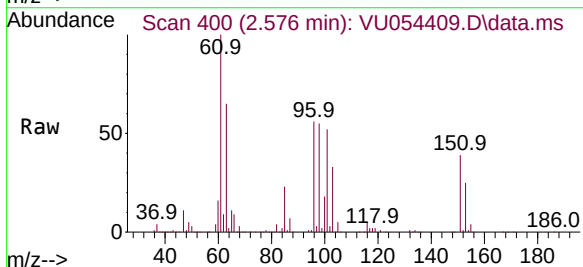
Instrument :
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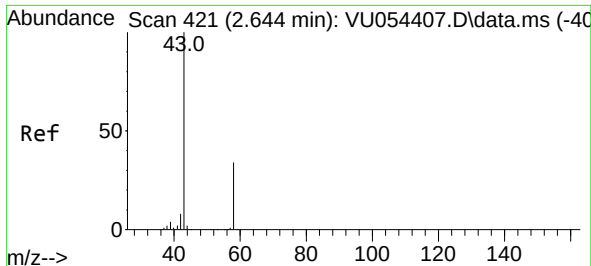
Tgt Ion:101 Resp: 537272
 Ion Ratio Lower Upper
 101 100
 85 44.0 34.6 51.8
 151 72.7 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 19.250 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

Tgt Ion: 96 Resp: 493622
 Ion Ratio Lower Upper
 96 100
 61 178.5 119.9 222.7
 63 115.6 64.3 119.3

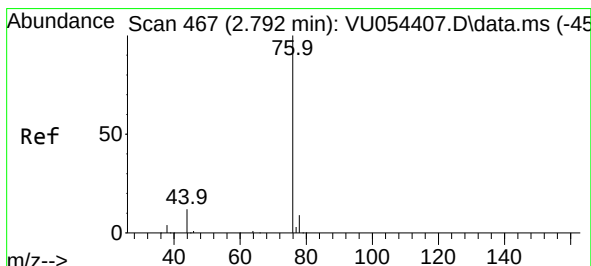
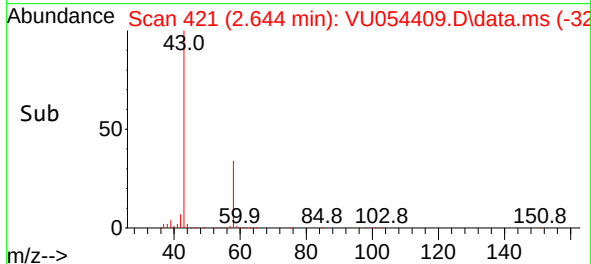
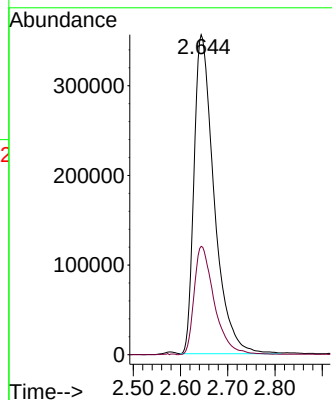
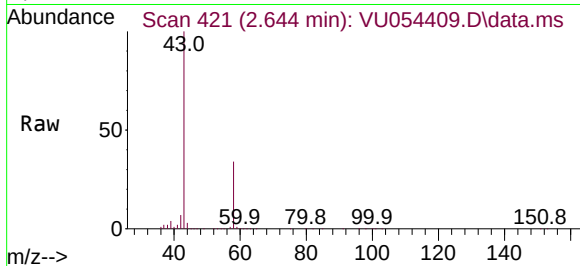




#13
Acetone
Concen: 176.349 ug/L
RT: 2.644 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

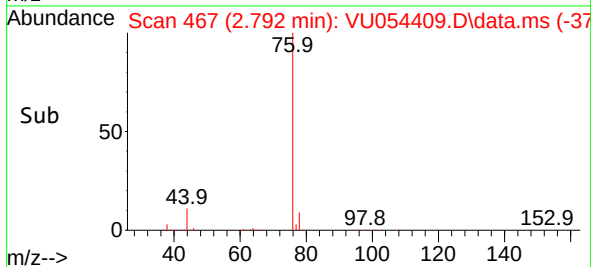
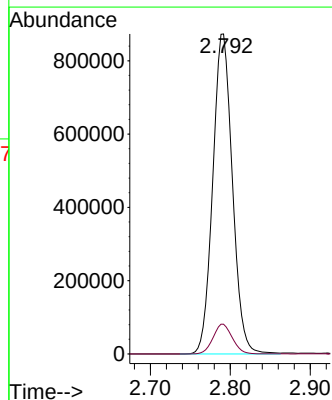
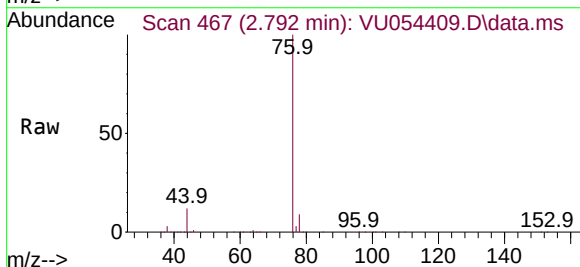
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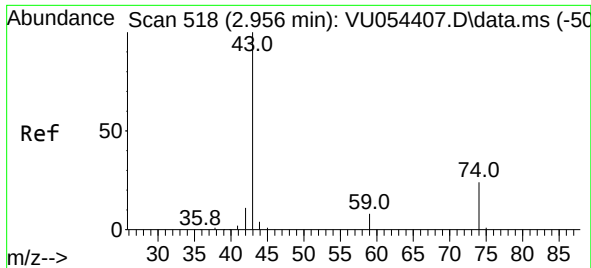
Tgt Ion: 43 Resp: 1051857
Ion Ratio Lower Upper
43 100
58 34.2 0.0 67.2



#14
Carbon disulfide
Concen: 19.554 ug/L
RT: 2.792 min Scan# 467
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 76 Resp: 1486941
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

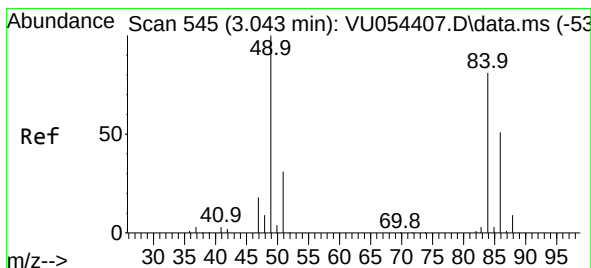
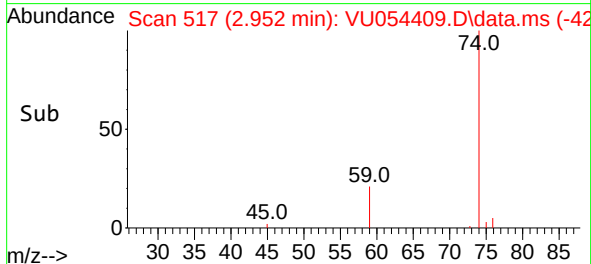
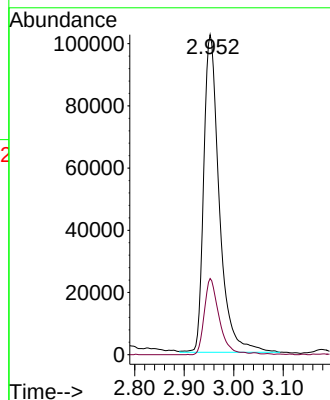
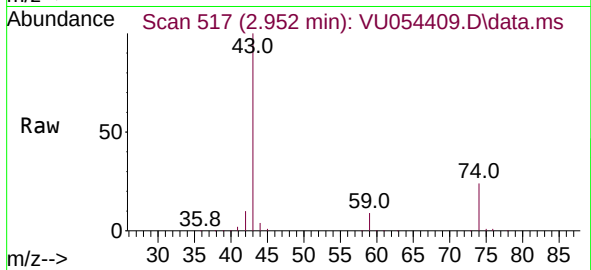




#15
Methyl Acetate
Concen: 20.195 ug/L
RT: 2.952 min Scan# 518
Delta R.T. -0.003 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

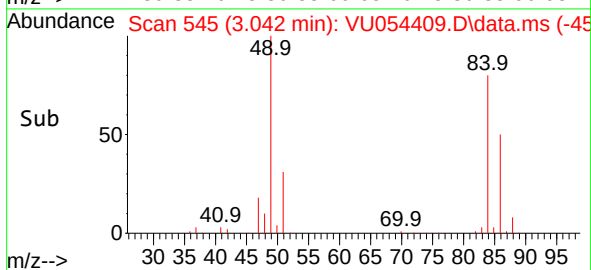
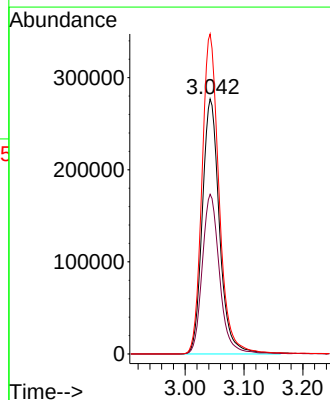
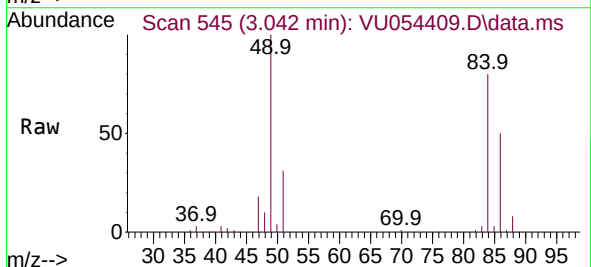
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ClientSampleId :
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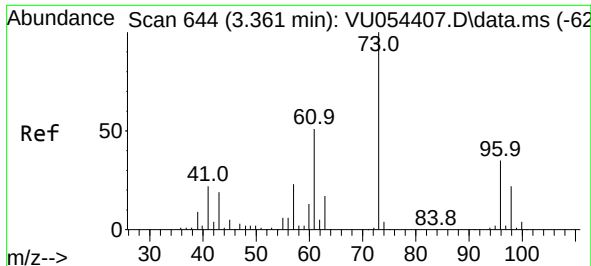
Tgt Ion: 43 Resp: 223212
Ion Ratio Lower Upper
43 100
74 22.8 19.0 28.6



#16
Methylene chloride
Concen: 15.541 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 84 Resp: 560382
Ion Ratio Lower Upper
84 100
86 62.6 43.9 81.5
49 125.5 86.1 159.9

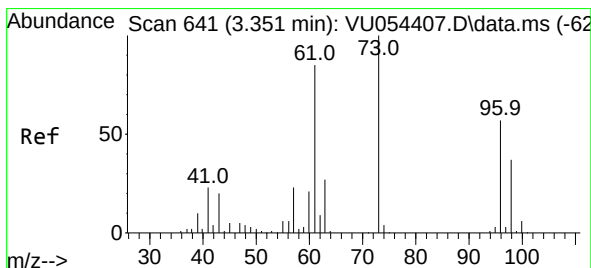
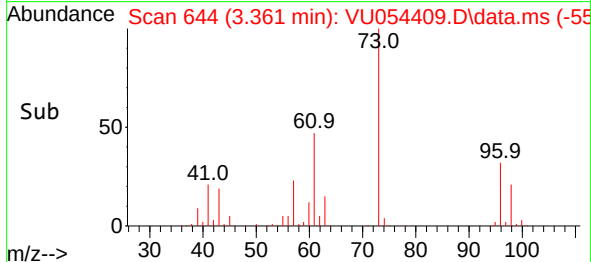
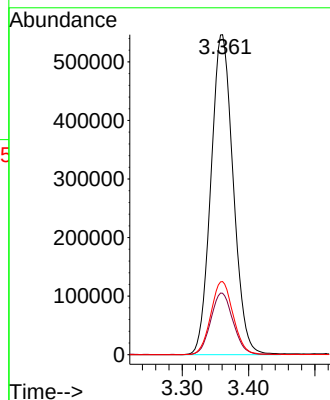
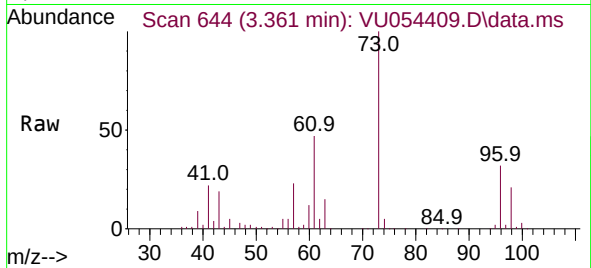




#17
Methyl tert-butyl Ether
Concen: 20.143 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

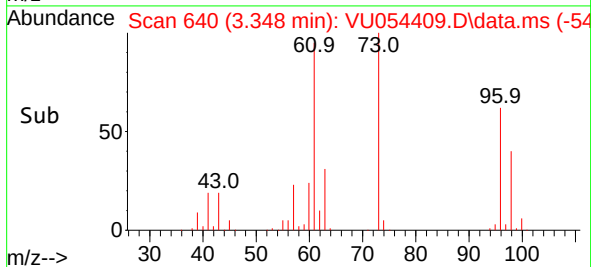
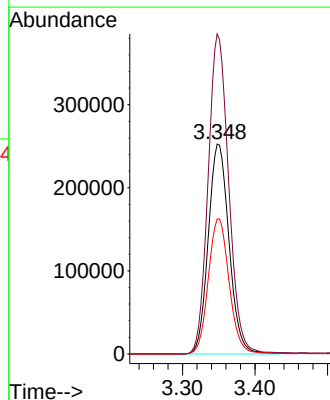
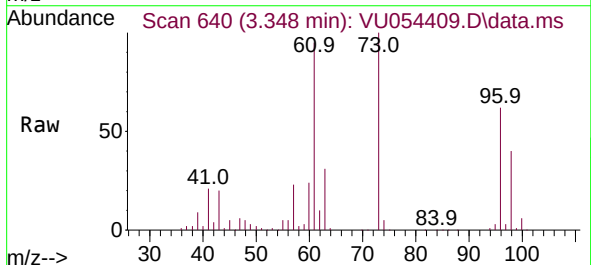
Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

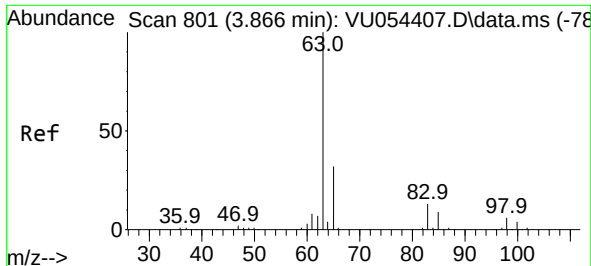
Tgt Ion: 73 Resp: 1274929
Ion Ratio Lower Upper
73 100
43 19.2 15.7 23.5
57 23.0 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 18.983 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 96 Resp: 502584
Ion Ratio Lower Upper
96 100
61 152.4 104.6 194.2
98 64.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 19.307 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

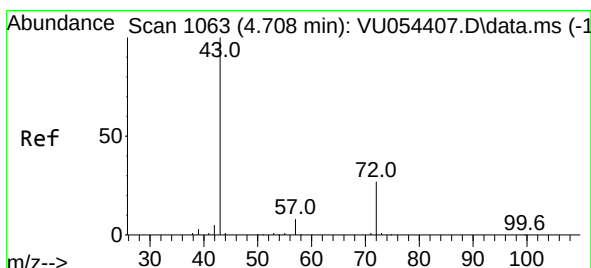
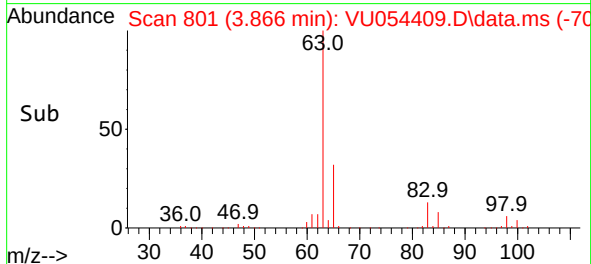
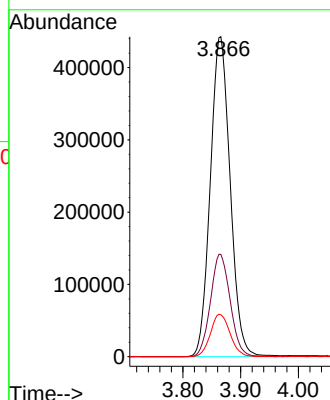
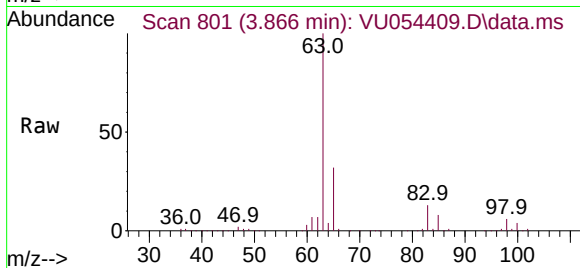
MSVOA_U

ClientSampleId :

VSTD020035

Tgt Ion: 63 Resp: 1057866

Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.2	41.2
83	13.1	9.0	16.6



#21

2-Butanone

Concen: 189.298 ug/L

RT: 4.708 min Scan# 1063

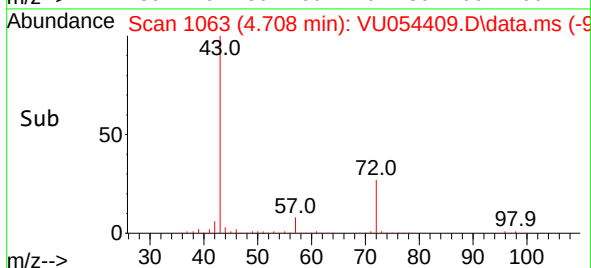
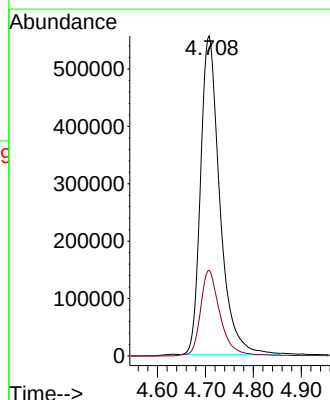
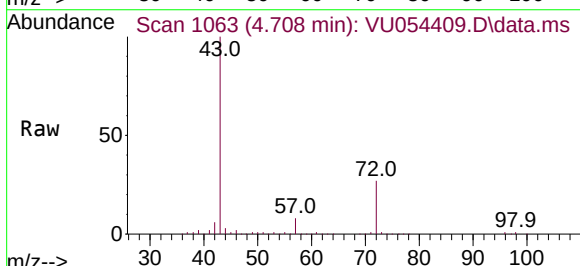
Delta R.T. -0.000 min

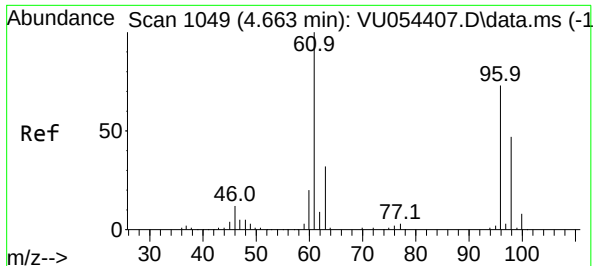
Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Tgt Ion: 43 Resp: 1549603

Ion	Ratio	Lower	Upper
43	100		
72	27.1	13.4	40.1



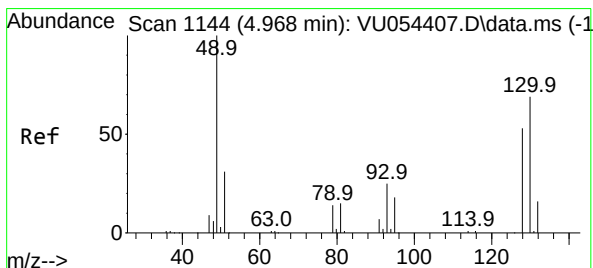
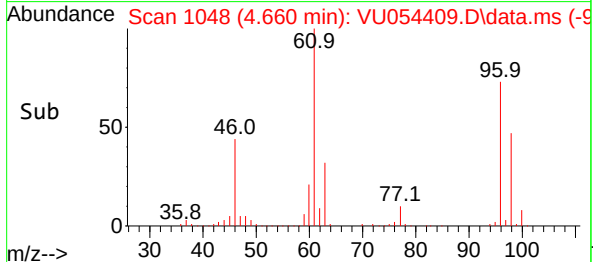
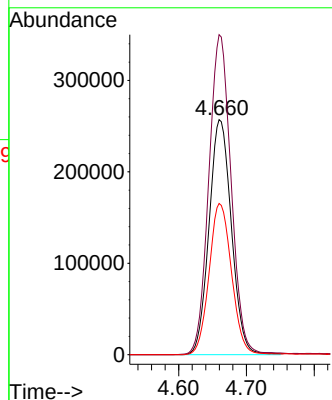
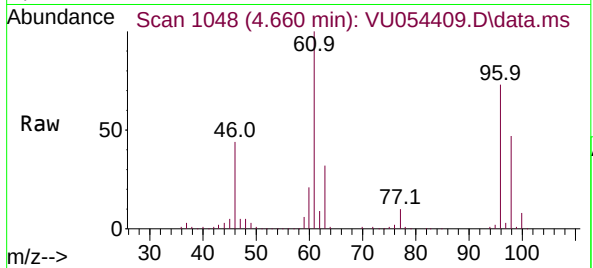


#22
 cis-1,2-Dichloroethene
 Concen: 19.578 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020035

Tgt Ion: 96 Resp: 590251

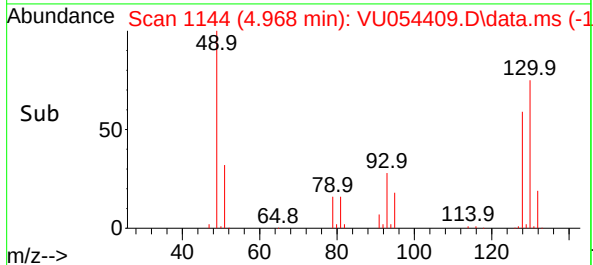
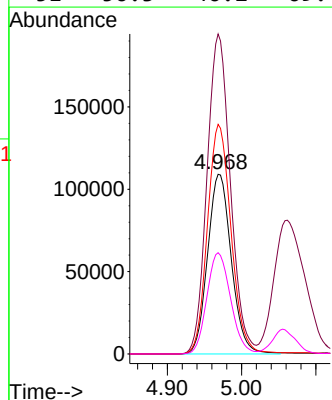
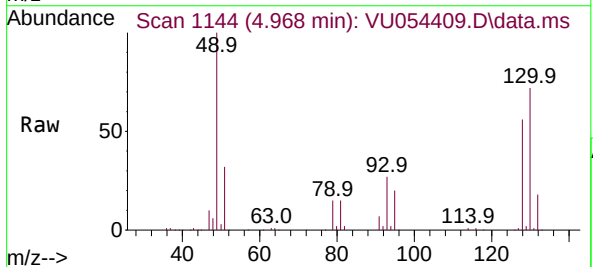
Ion	Ratio	Lower	Upper
96	100		
61	136.2	96.5	179.1
98	64.4	44.9	83.3

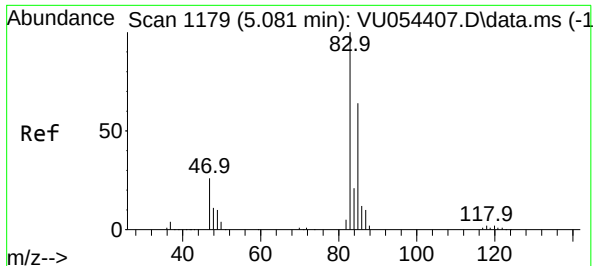


#23
 Bromochloromethane
 Concen: 19.290 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

Tgt Ion: 128 Resp: 242015

Ion	Ratio	Lower	Upper
128	100		
49	178.1	132.1	245.3
130	127.8	91.5	169.9
51	56.3	46.2	69.4





#25

Chloroform

Concen: 19.006 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

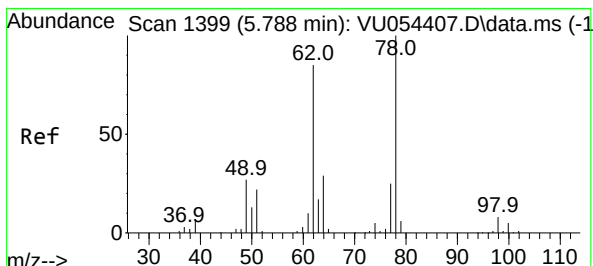
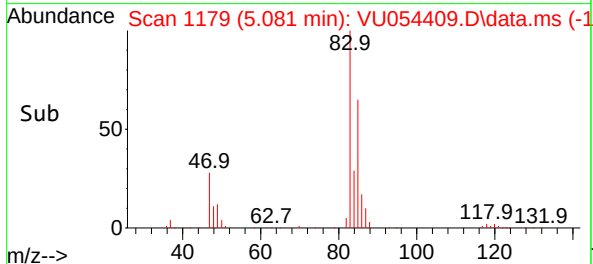
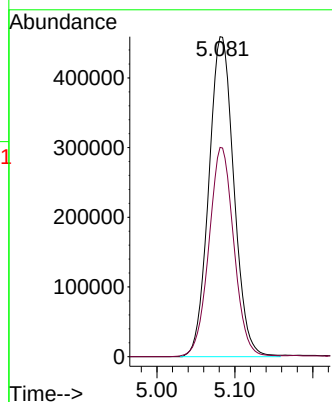
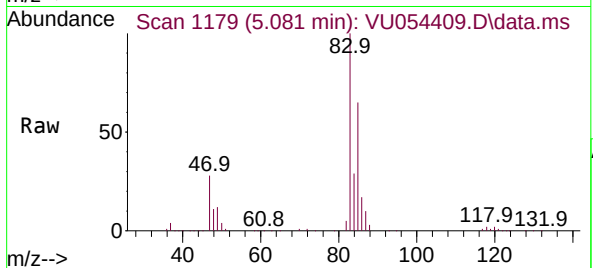
VSTD020035

Tgt Ion: 83 Resp: 1026635

Ion Ratio Lower Upper

83 100

85 65.4 44.7 82.9



#27

1,2-Dichloroethane

Concen: 19.389 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU054409.D

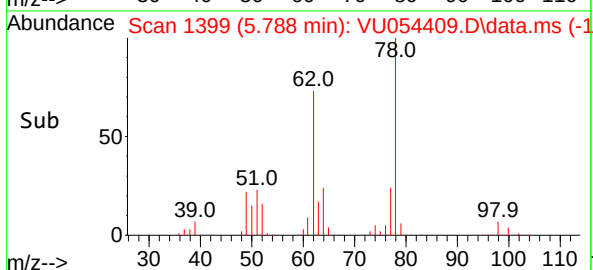
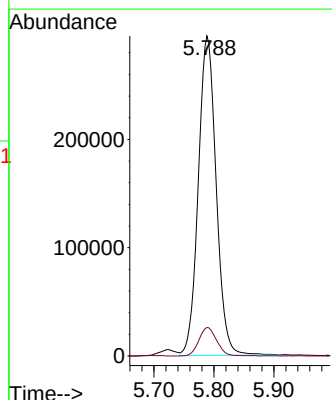
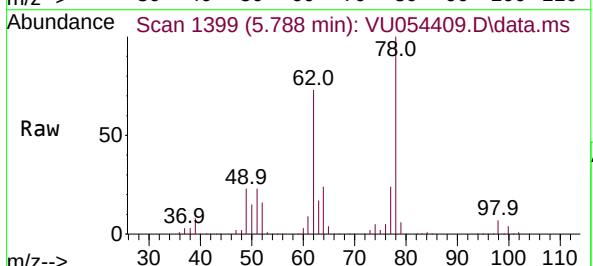
Acq: 07 Jun 2023 13:17

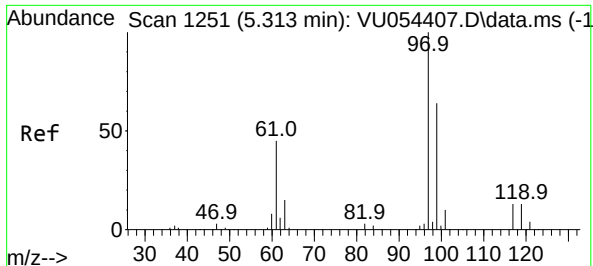
Tgt Ion: 62 Resp: 613899

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 19.465 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD020035

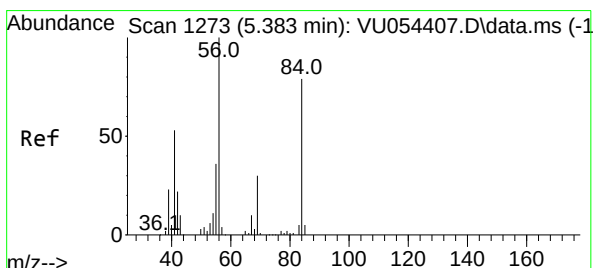
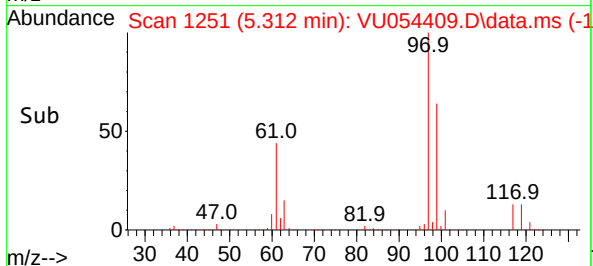
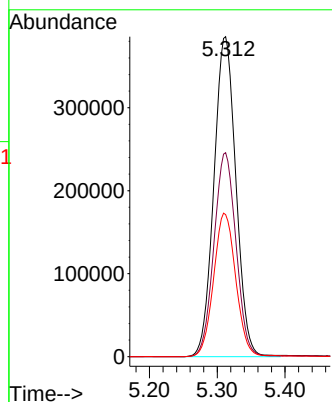
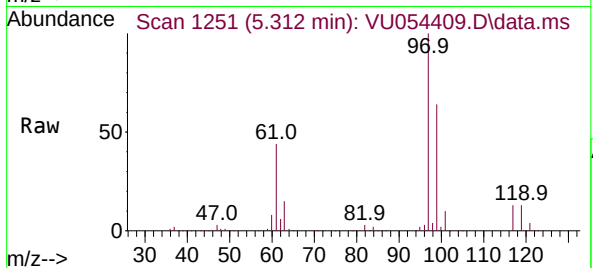
Tgt Ion: 97 Resp: 870557

Ion Ratio Lower Upper

97 100

99 64.0 50.8 76.2

61 45.1 36.1 54.1



#30

Cyclohexane

Concen: 20.413 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

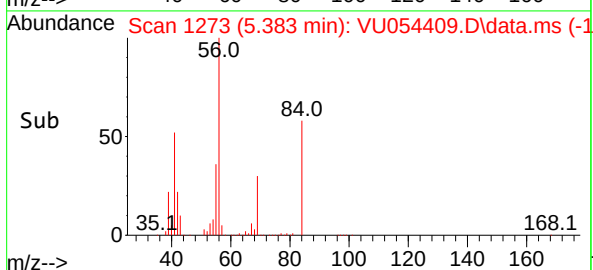
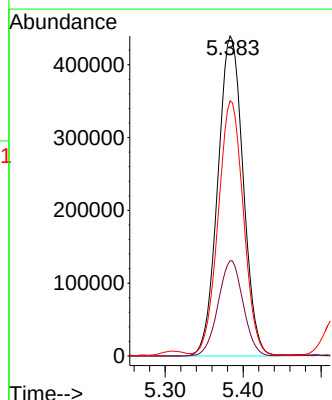
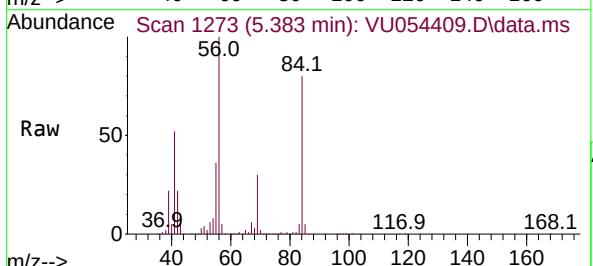
Tgt Ion: 56 Resp: 994402

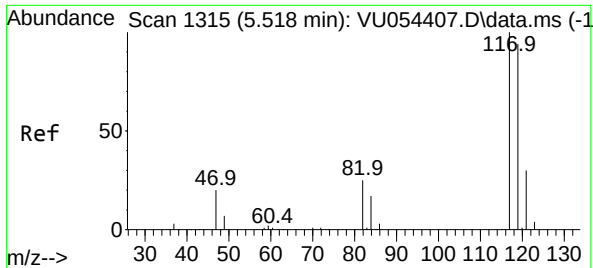
Ion Ratio Lower Upper

56 100

69 29.4 23.9 35.9

84 79.4 63.0 94.6

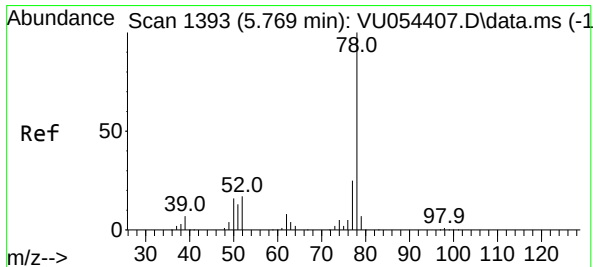
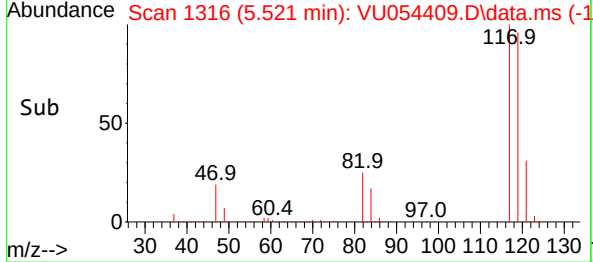
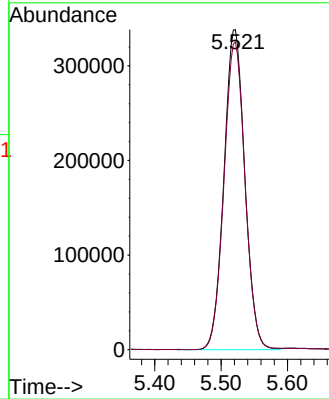
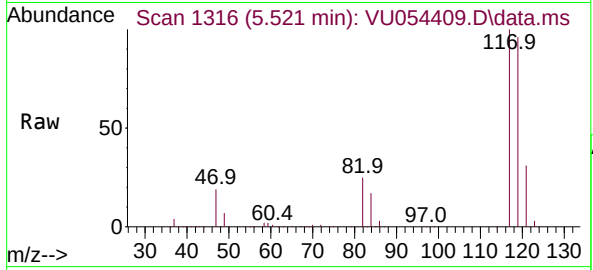




#31
Carbon tetrachloride
Concen: 19.192 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

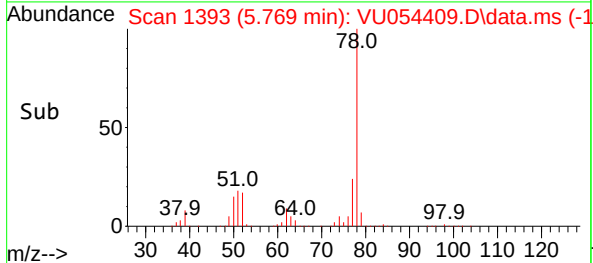
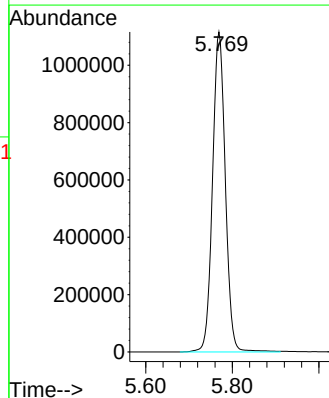
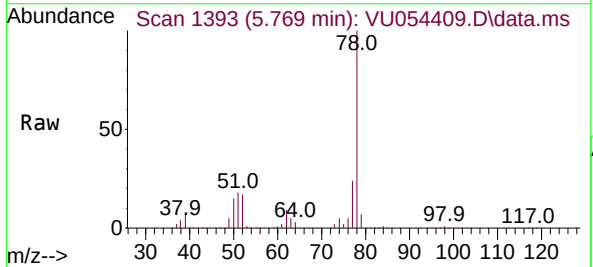
Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

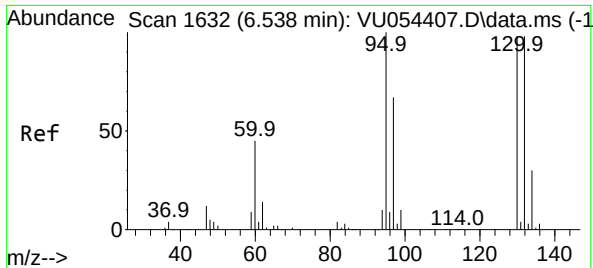
Tgt Ion:117 Resp: 739639
Ion Ratio Lower Upper
117 100
119 96.9 76.8 115.2



#33
Benzene
Concen: 19.332 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 78 Resp: 2291568

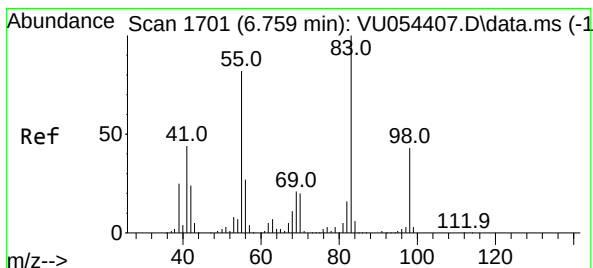
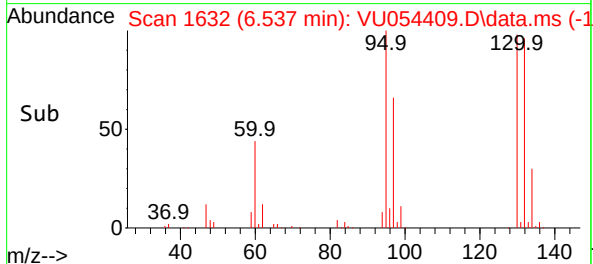
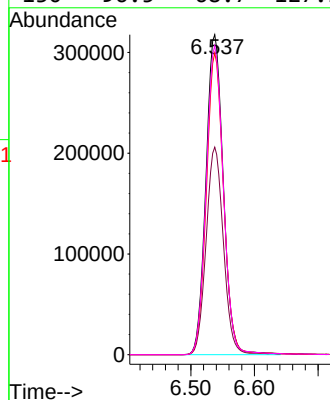
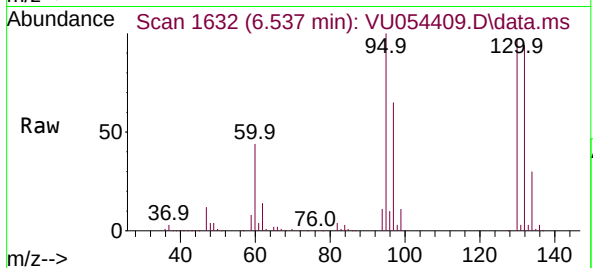




#34
Trichloroethene
Concen: 19.240 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

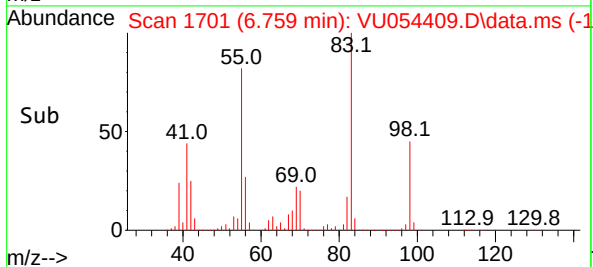
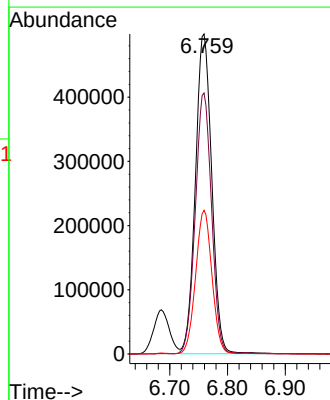
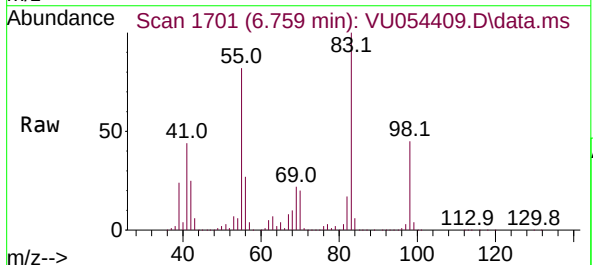
Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

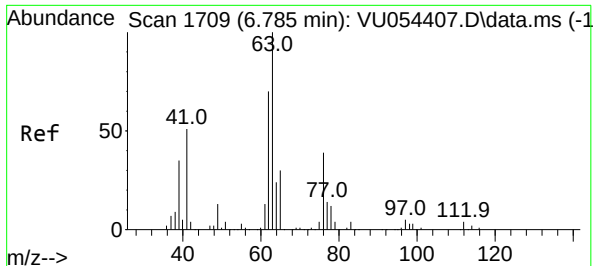
Tgt Ion: 95 Resp: 603089
Ion Ratio Lower Upper
95 100
97 64.8 46.8 87.0
132 94.3 68.4 127.0
130 96.5 68.7 127.5



#35
Methylcyclohexane
Concen: 20.686 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 83 Resp: 980086
Ion Ratio Lower Upper
83 100
55 81.0 67.1 100.7
98 44.6 35.1 52.7





#37

1,2-Dichloropropane

Concen: 19.076 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

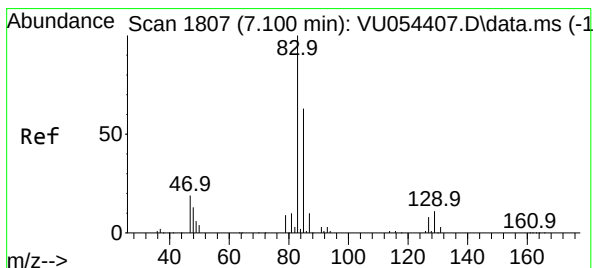
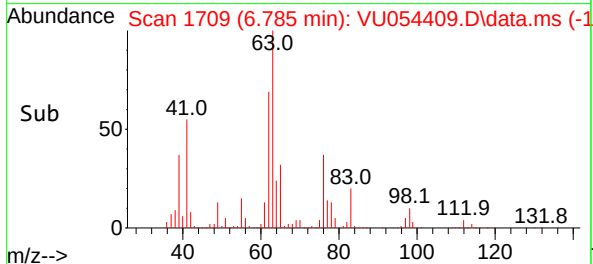
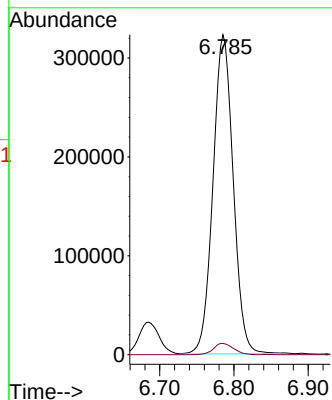
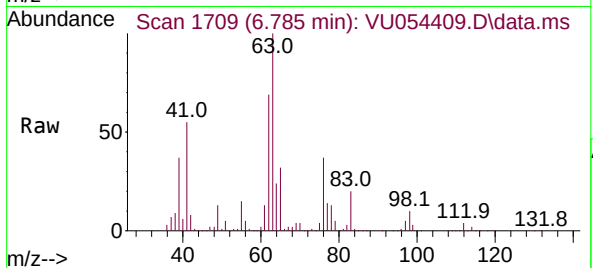
VSTD020035

Tgt Ion: 63 Resp: 611410

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



#38

Bromodichloromethane

Concen: 19.490 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

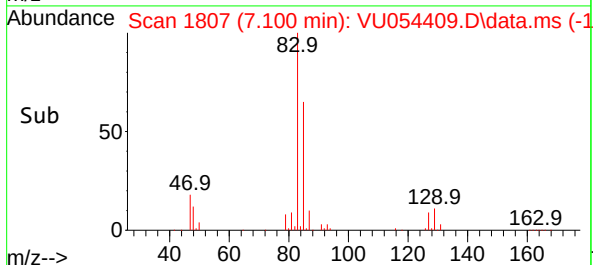
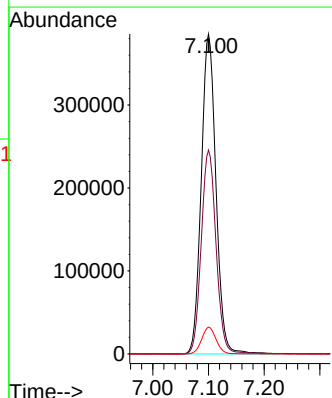
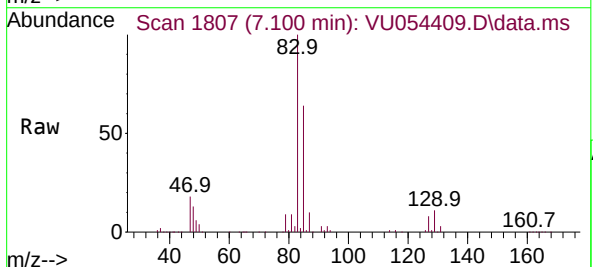
Tgt Ion: 83 Resp: 707093

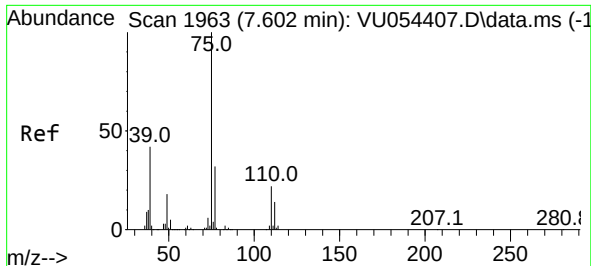
Ion Ratio Lower Upper

83 100

85 63.7 44.1 81.9

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 20.584 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

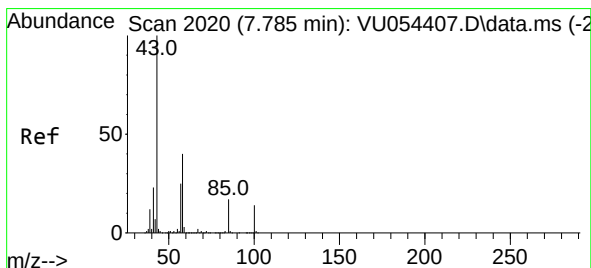
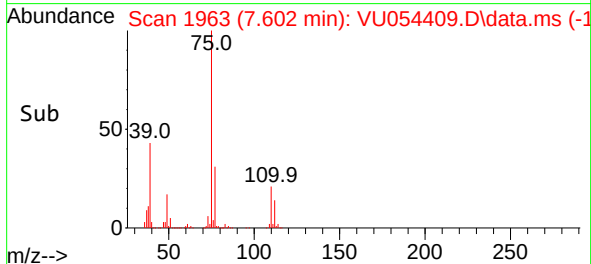
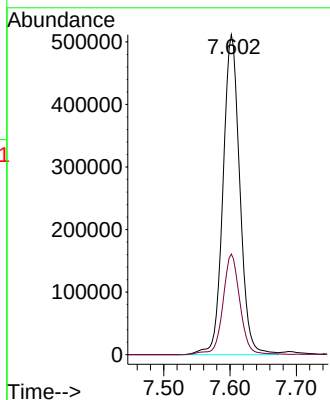
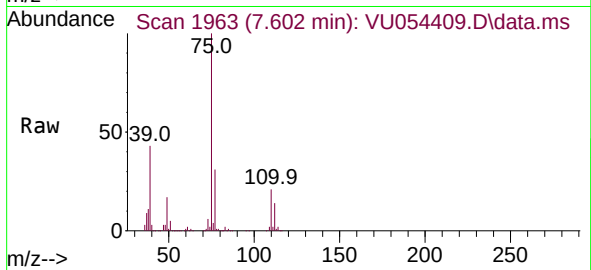
VSTD020035

Tgt Ion: 75 Resp: 900695

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 204.547 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

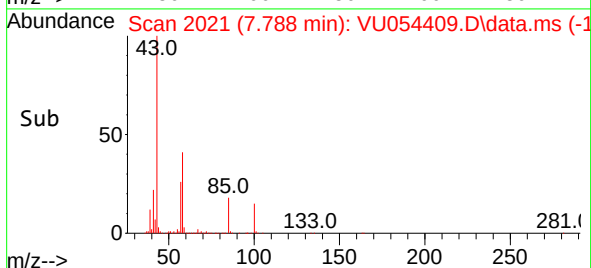
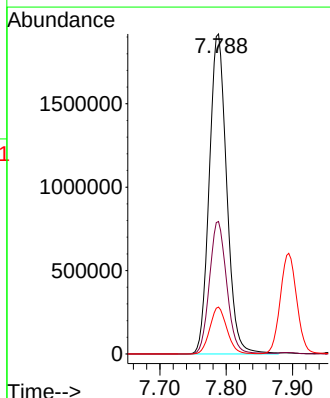
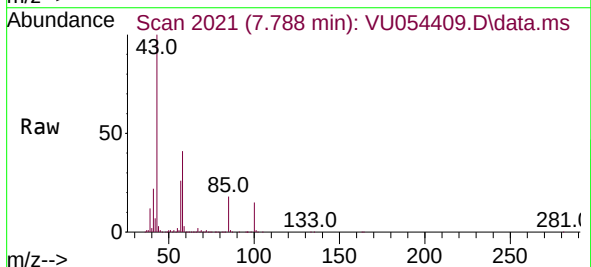
Tgt Ion: 43 Resp: 3498568

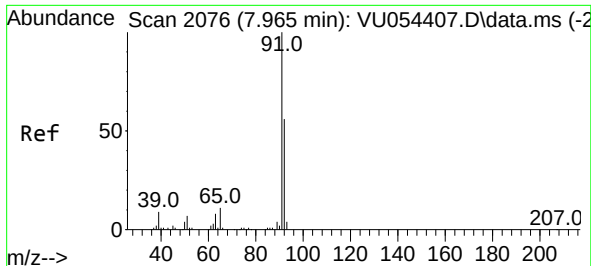
Ion Ratio Lower Upper

43 100

58 41.2 32.4 48.6

100 14.4 11.4 17.2





#42

Toluene

Concen: 19.866 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

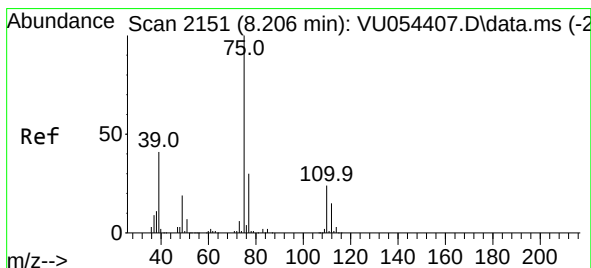
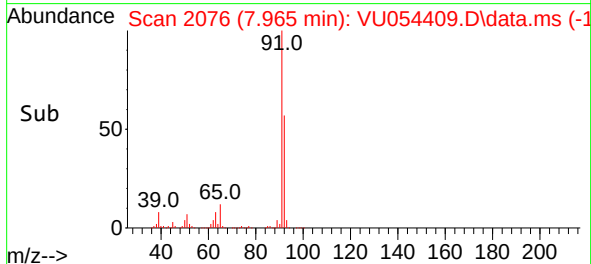
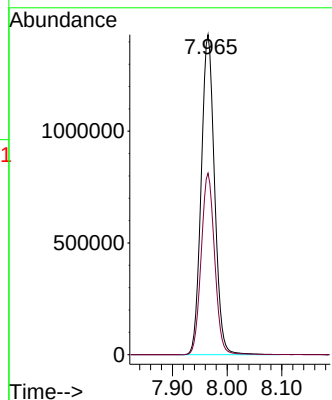
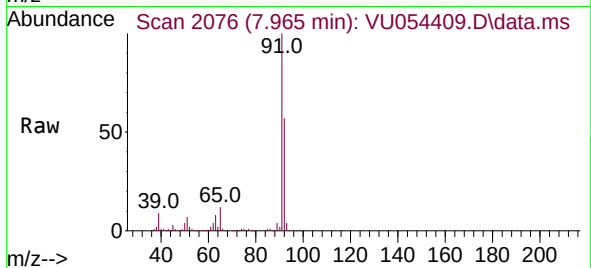
VSTD020035

Tgt Ion: 91 Resp: 2425153

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 20.406 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054409.D

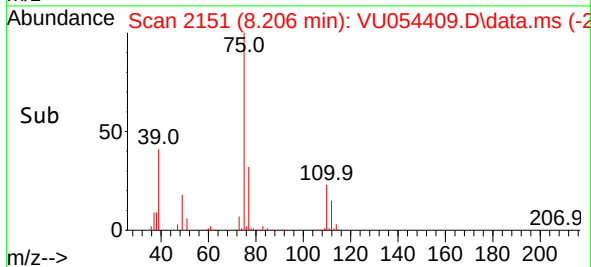
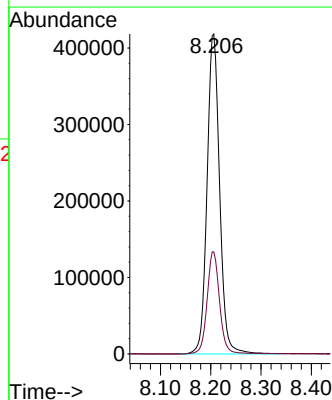
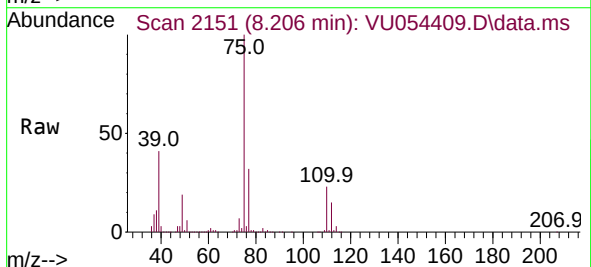
Acq: 07 Jun 2023 13:17

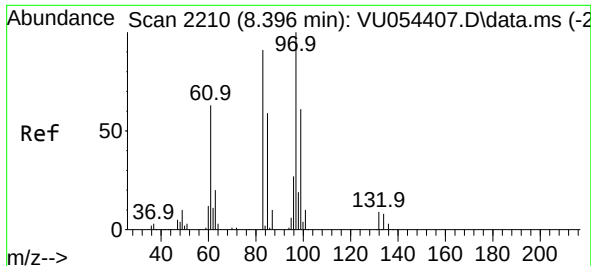
Tgt Ion: 75 Resp: 724663

Ion Ratio Lower Upper

75 100

77 31.9 21.3 39.6



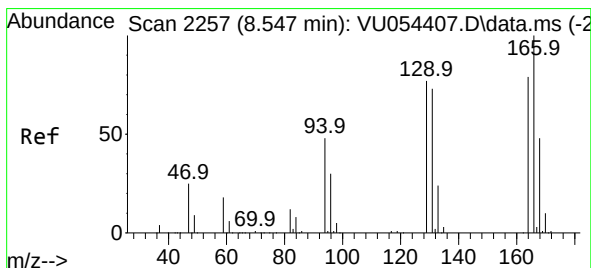
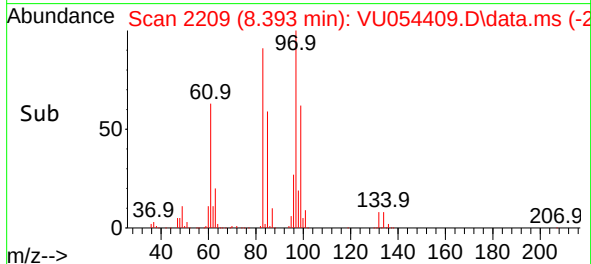
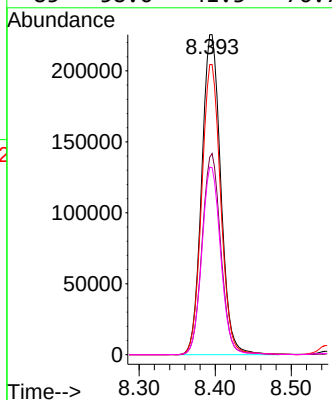
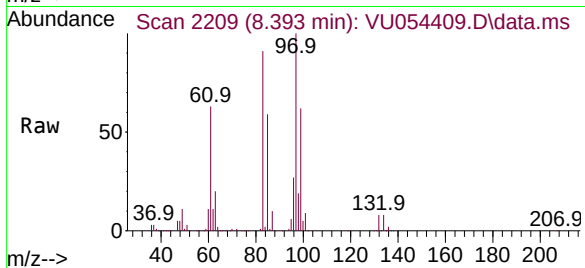


#45
1,1,2-Trichloroethane
Concen: 19.265 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

Tgt Ion: 97 Resp: 392813

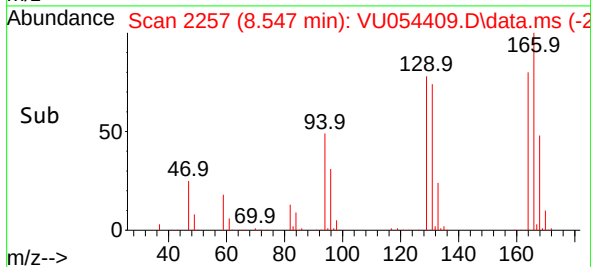
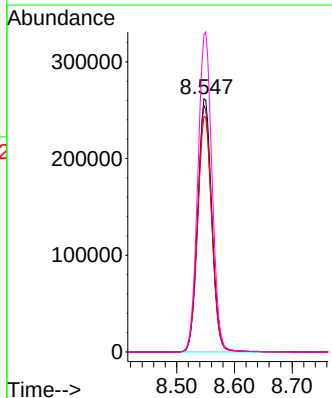
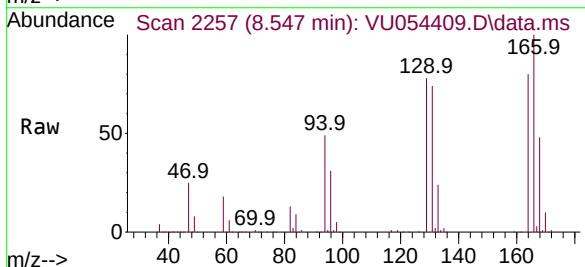
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.0	80.0
83	90.7	63.8	118.6
85	58.6	41.3	76.7

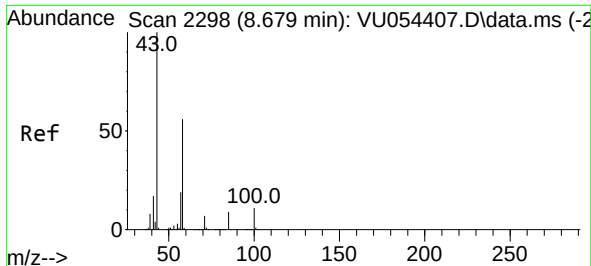


#47
Tetrachloroethene
Concen: 18.454 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 164 Resp: 442792

Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.7	125.7
131	93.1	64.6	120.0
166	125.4	88.1	163.7



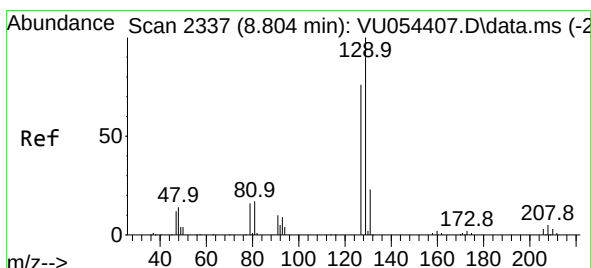
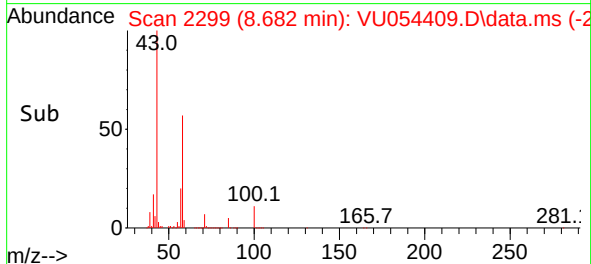
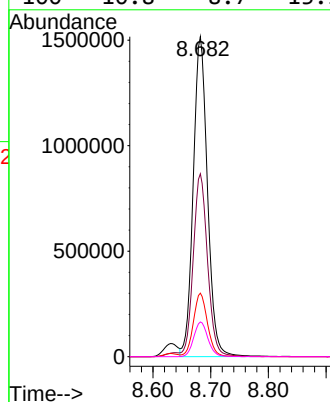
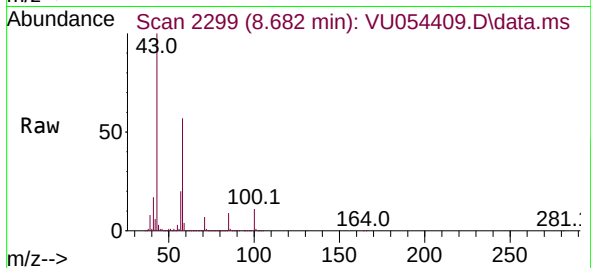


#48
2-Hexanone
Concen: 203.705 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

Tgt Ion: 43 Resp: 2596089

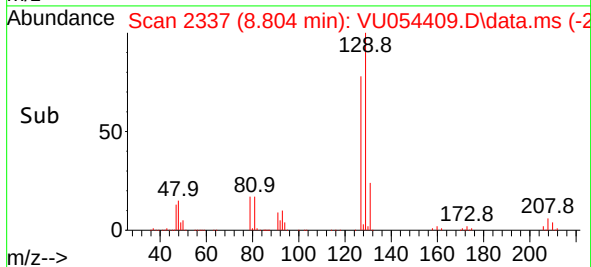
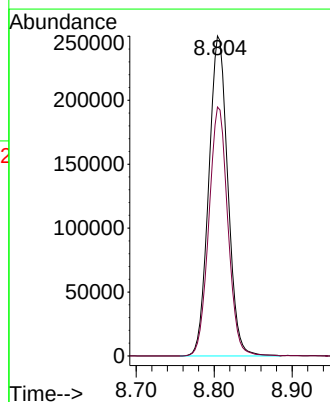
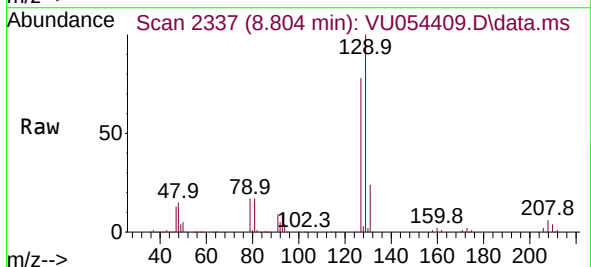
Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.2	67.8
57	19.7	15.8	23.6
100	10.8	8.7	13.1

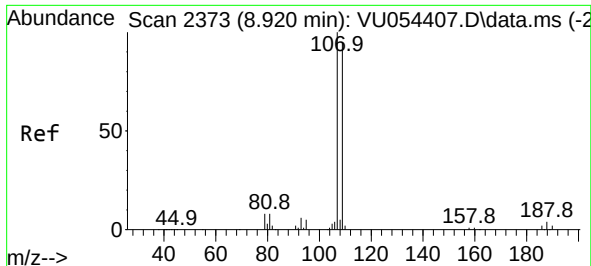


#49
Dibromochloromethane
Concen: 19.889 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 129 Resp: 425816

Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.2	98.8





#50

1,2-Dibromoethane

Concen: 19.618 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD020035

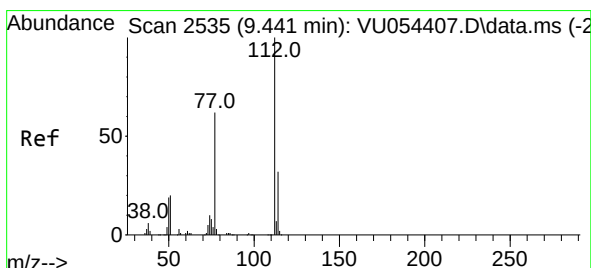
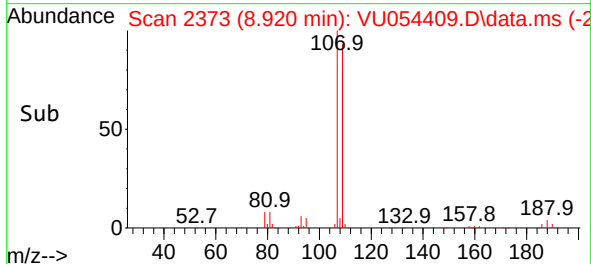
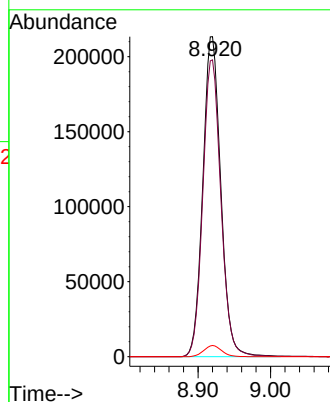
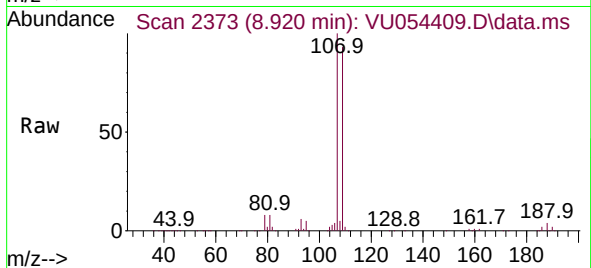
Tgt Ion:107 Resp: 367236

Ion Ratio Lower Upper

107 100

109 92.7 66.6 123.6

188 3.5 3.1 4.7



#51

Chlorobenzene

Concen: 19.650 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

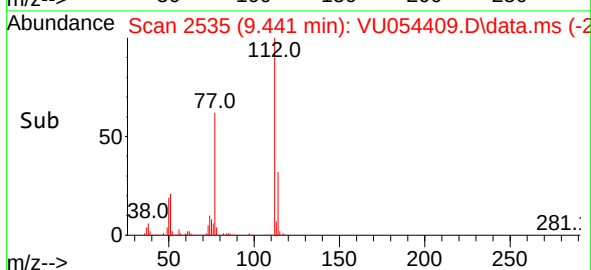
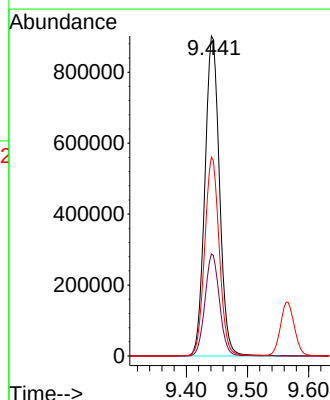
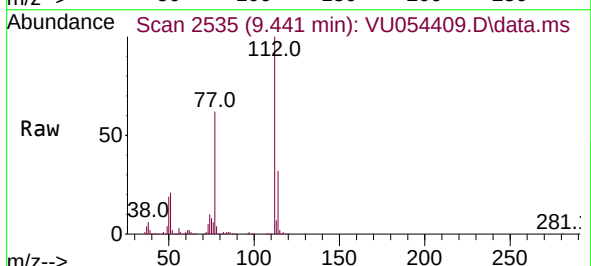
Tgt Ion:112 Resp: 1495294

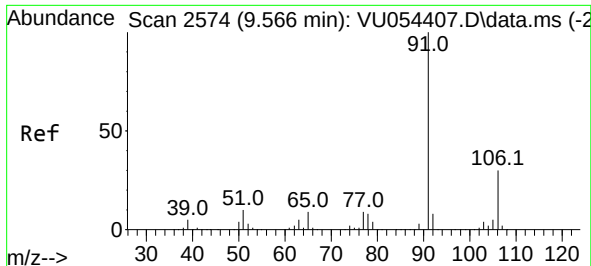
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.1

77 62.2 49.8 74.8

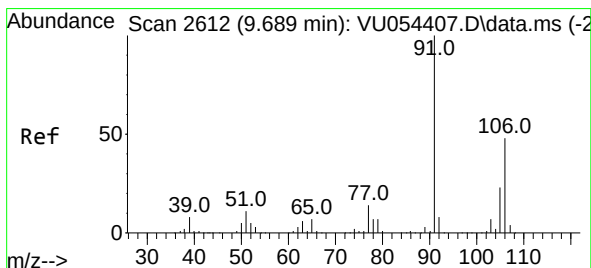
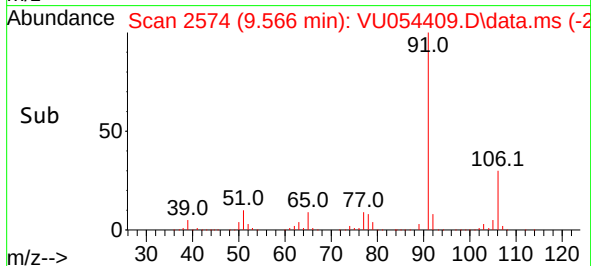
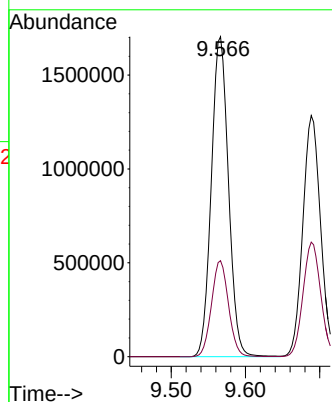
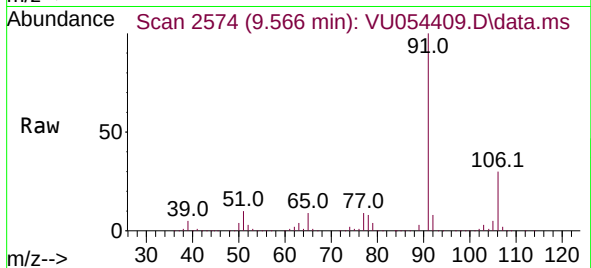




#52
Ethylbenzene
Concen: 20.483 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

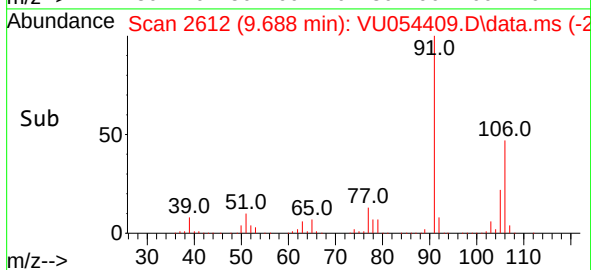
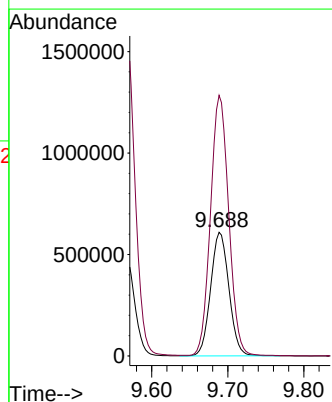
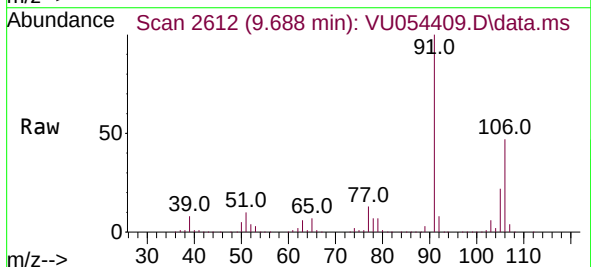
Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

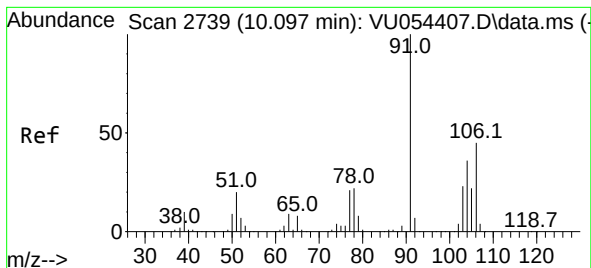
Tgt Ion: 91 Resp: 2730770
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.3



#53
m,p-Xylene
Concen: 20.716 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion:106 Resp: 1014609
Ion Ratio Lower Upper
106 100
91 210.6 147.0 273.0





#54

o-Xylene

Concen: 20.757 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

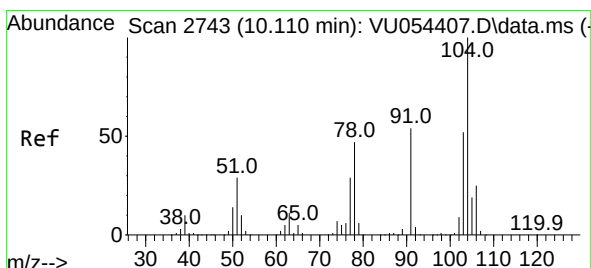
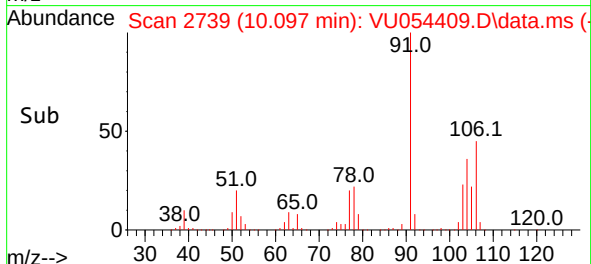
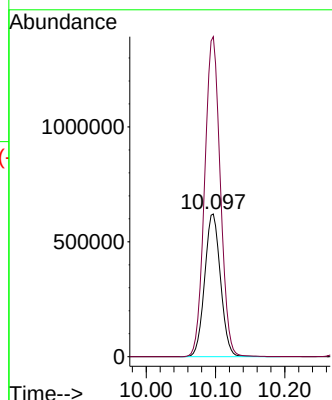
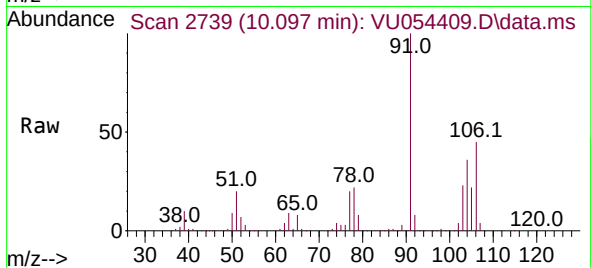
VSTD020035

Tgt Ion:106 Resp: 983122

Ion Ratio Lower Upper

106 100

91 224.2 154.5 286.9



#55

Styrene

Concen: 21.278 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU054409.D

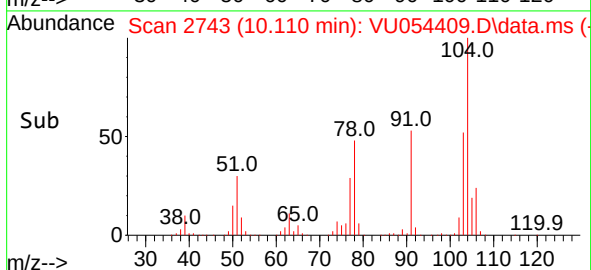
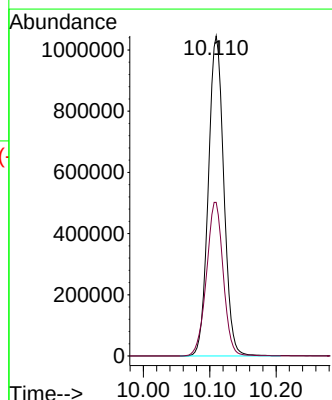
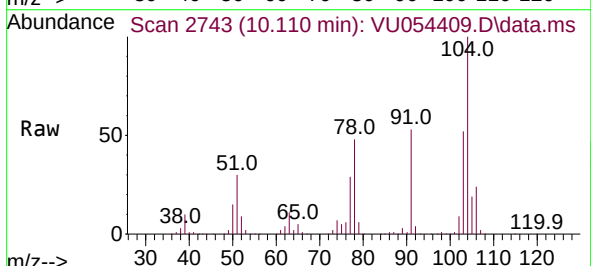
Acq: 07 Jun 2023 13:17

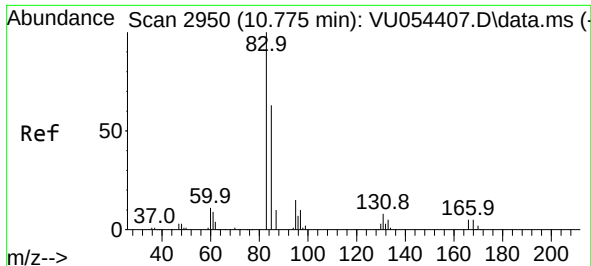
Tgt Ion:104 Resp: 1691431

Ion Ratio Lower Upper

104 100

78 48.0 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 19.442 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD020035

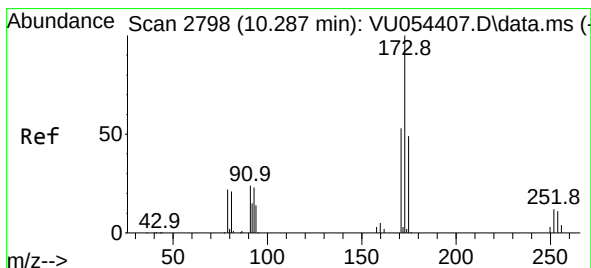
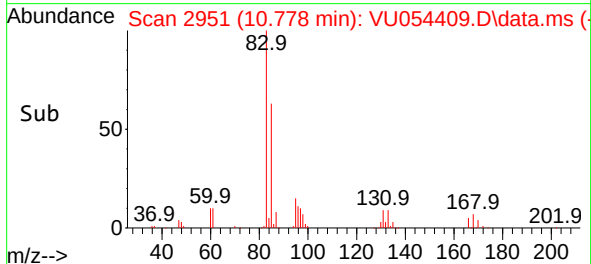
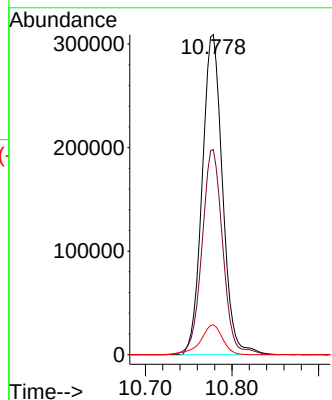
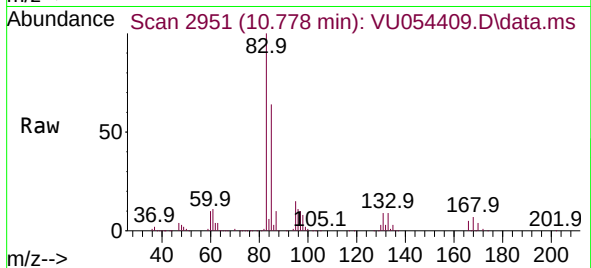
Tgt Ion: 83 Resp: 503531

Ion Ratio Lower Upper

83 100

85 64.1 44.2 82.2

131 9.4 7.0 10.6



#59

Bromoform

Concen: 19.335 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

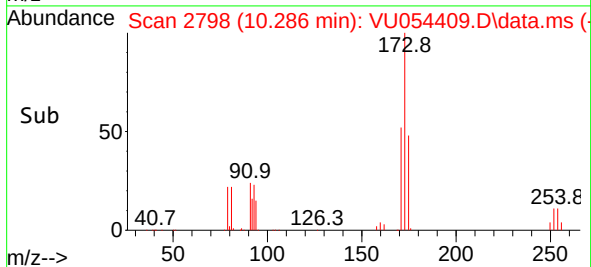
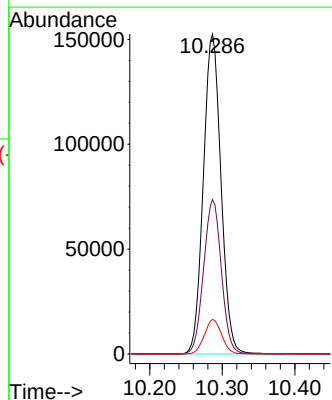
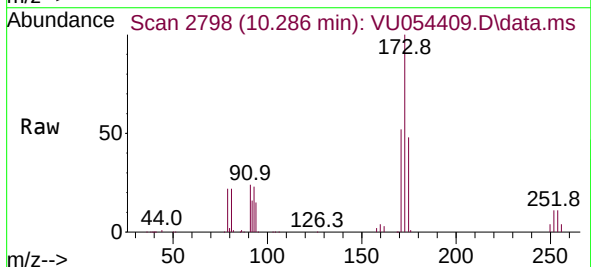
Tgt Ion:173 Resp: 257861

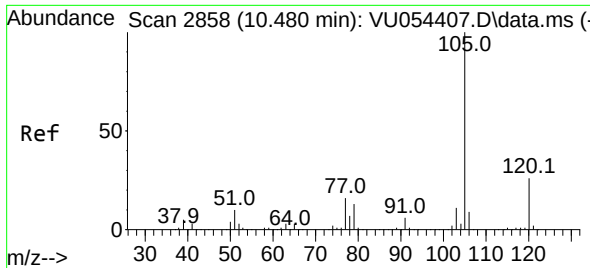
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 10.6 8.6 12.8

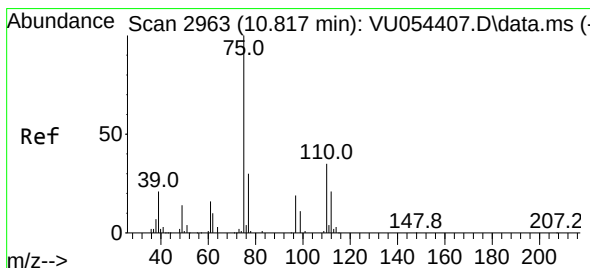
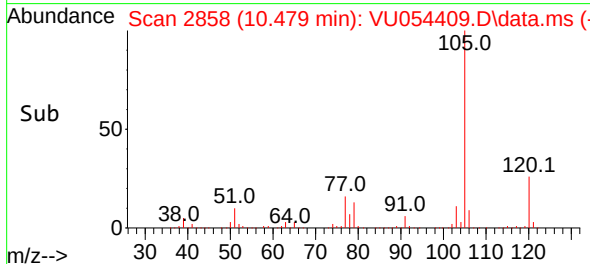
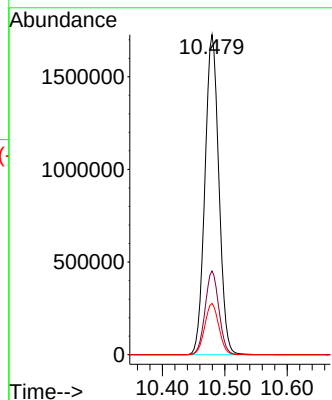
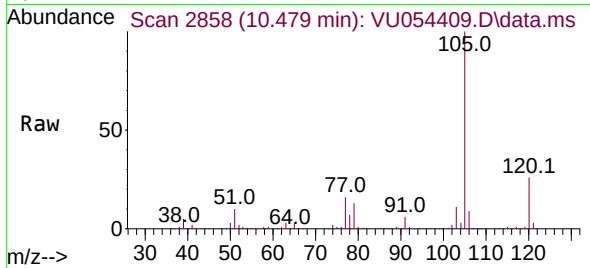




#60
Isopropylbenzene
Concen: 19.738 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

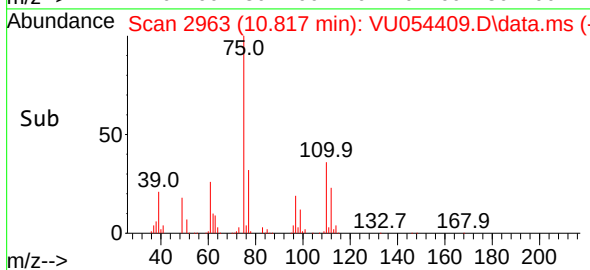
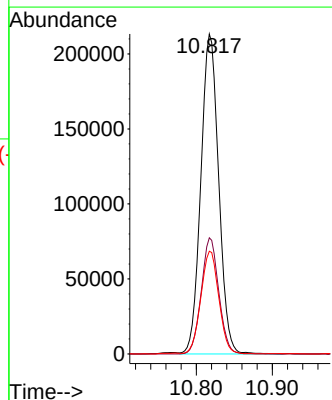
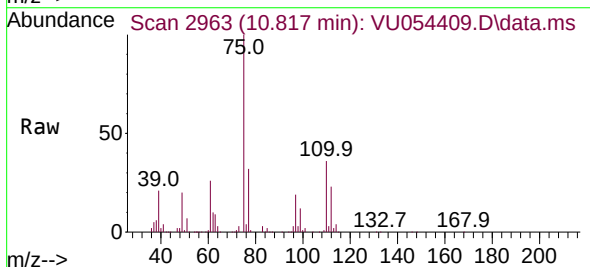
Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

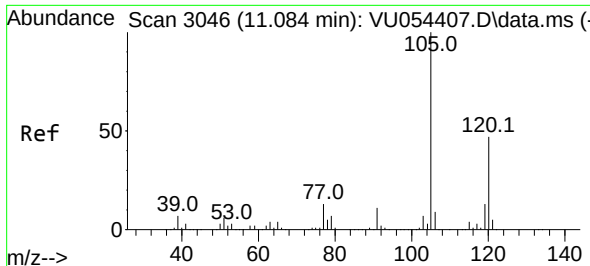
Tgt Ion:105 Resp: 2682369
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3
77 16.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 18.494 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion: 75 Resp: 347202
Ion Ratio Lower Upper
75 100
110 35.5 28.0 42.0
77 32.2 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 20.753 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

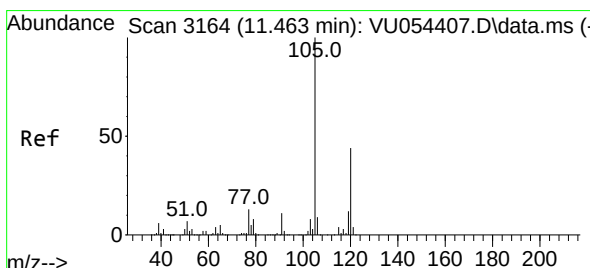
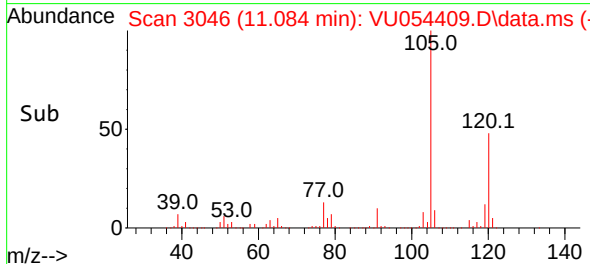
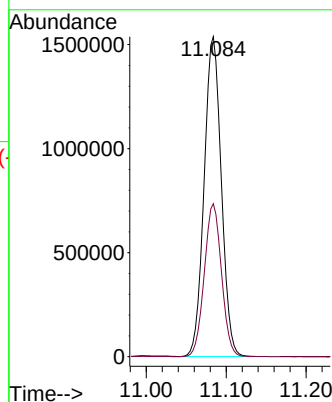
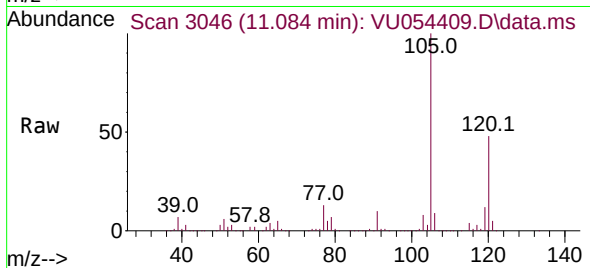
VSTD020035

Tgt Ion:105 Resp: 2301099

Ion Ratio Lower Upper

105 100

120 47.8 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 20.866 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054409.D

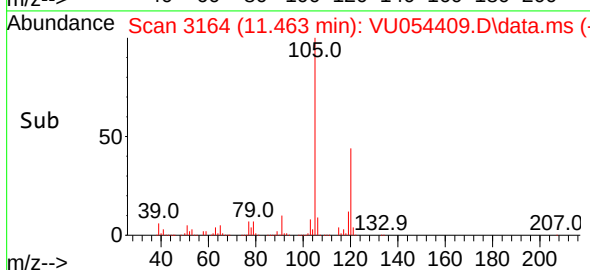
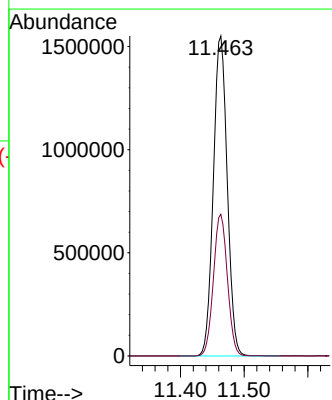
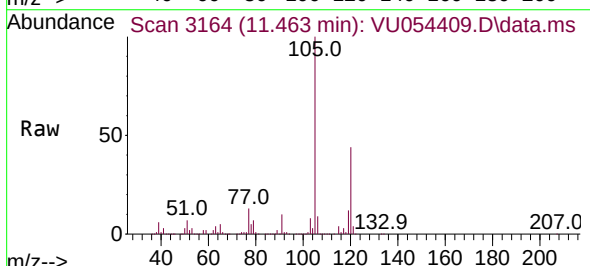
Acq: 07 Jun 2023 13:17

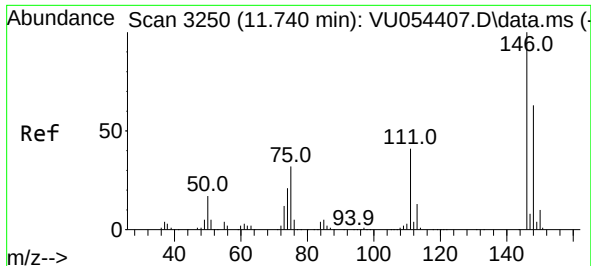
Tgt Ion:105 Resp: 2349818

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.0

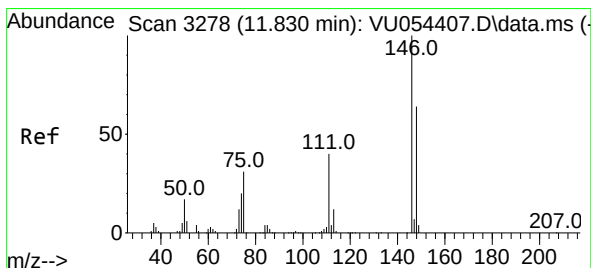
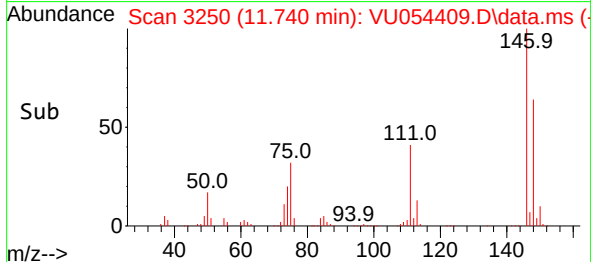
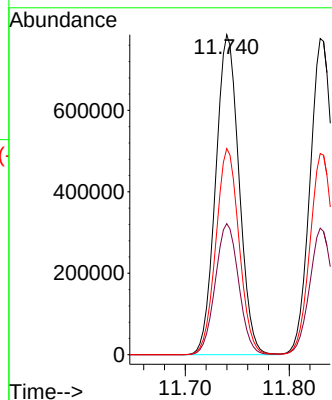
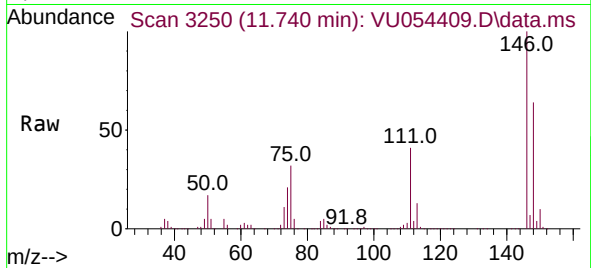




#64
1,3-Dichlorobenzene
Concen: 19.369 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

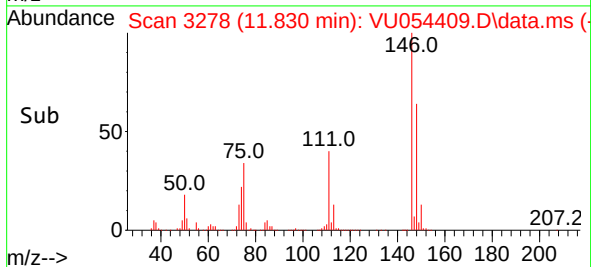
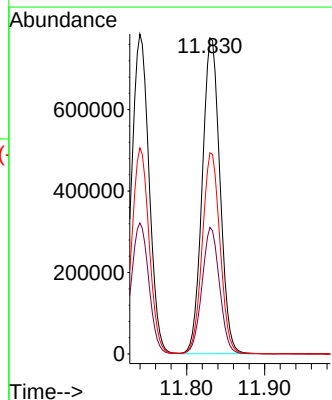
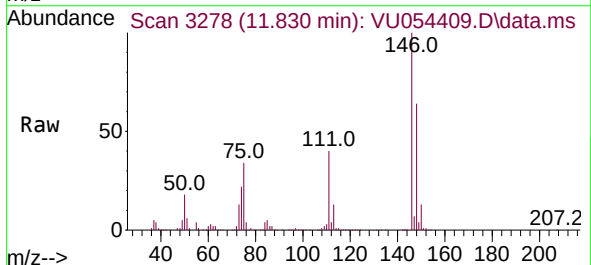
Instrument :
MSVOA_U
ClientSampleId :
VSTD020035

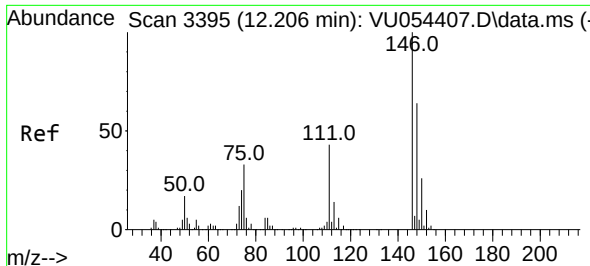
Tgt Ion:146 Resp: 1230363
Ion Ratio Lower Upper
146 100
111 40.9 28.9 53.7
148 64.4 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 19.203 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU054409.D
Acq: 07 Jun 2023 13:17

Tgt Ion:146 Resp: 1224273
Ion Ratio Lower Upper
146 100
111 40.1 28.0 52.0
148 63.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 19.382 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD020035

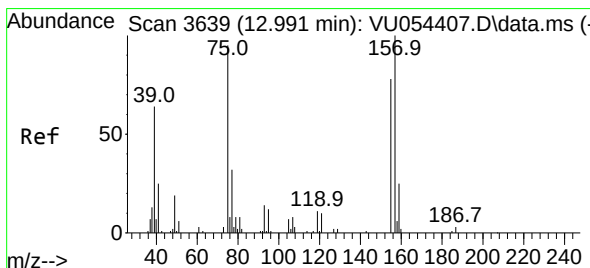
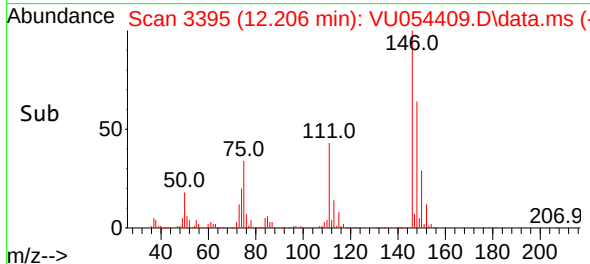
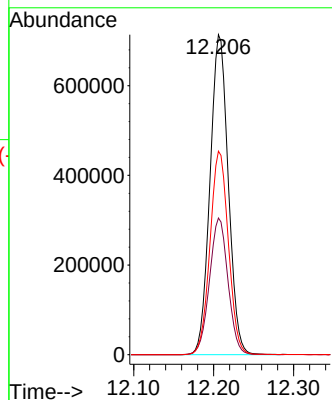
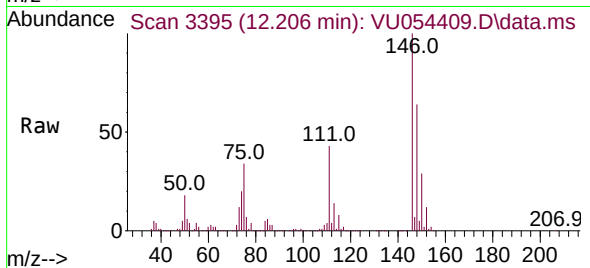
Tgt Ion:146 Resp: 1132331

Ion Ratio Lower Upper

146 100

111 42.7 34.5 51.7

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 20.009 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

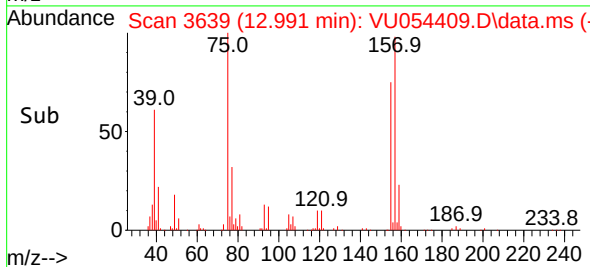
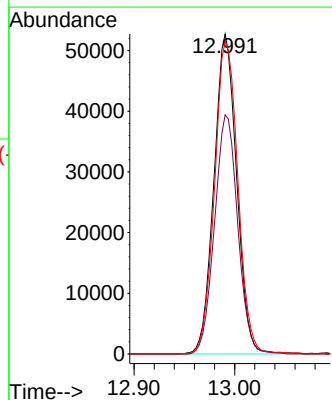
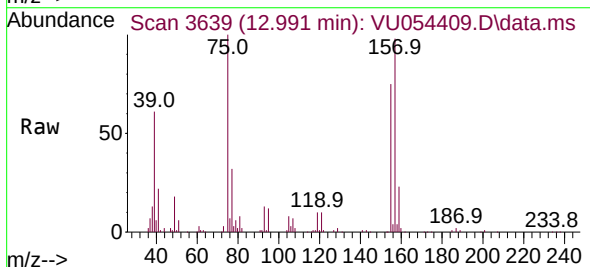
Tgt Ion: 75 Resp: 82548

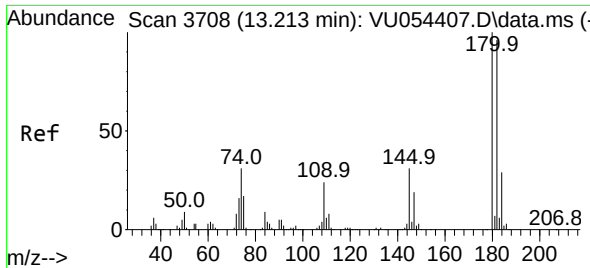
Ion Ratio Lower Upper

75 100

155 74.7 65.7 98.5

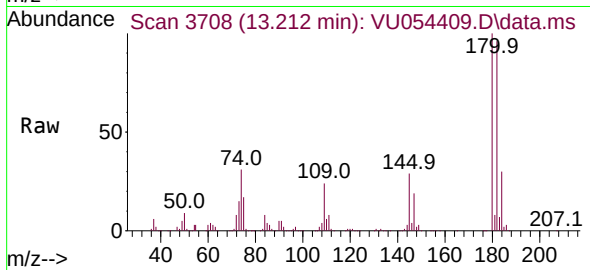
157 97.7 84.2 126.2



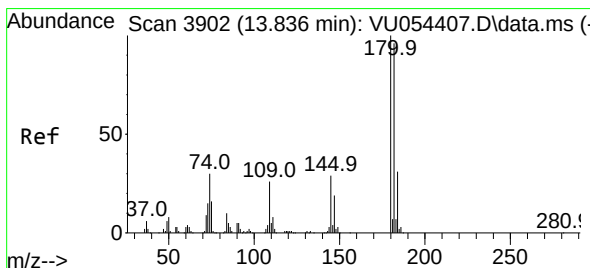
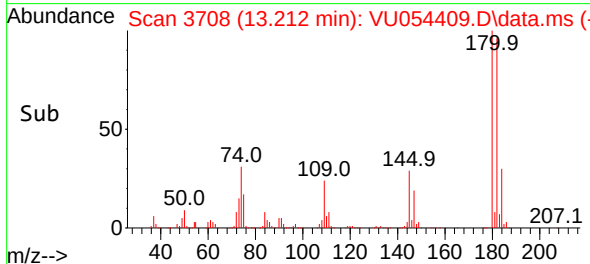
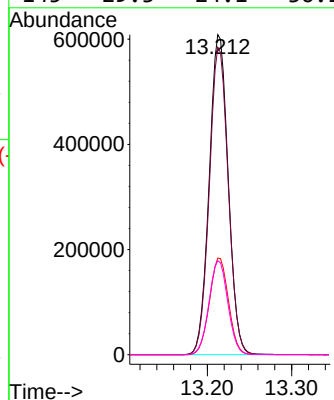


#69
 1,3,5-Trichlorobenzene
 Concen: 19.879 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020035

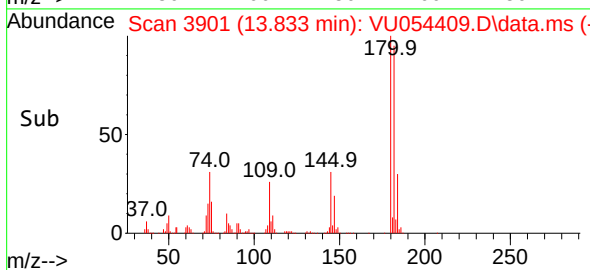
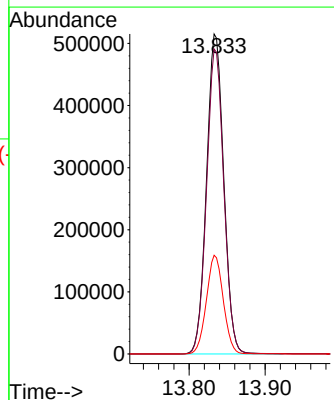
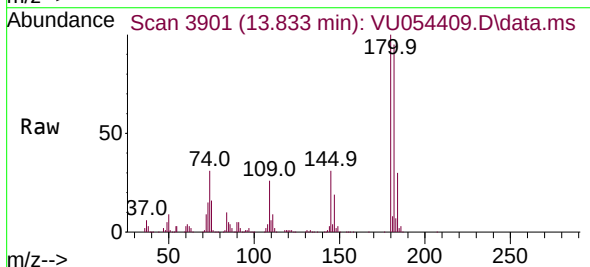


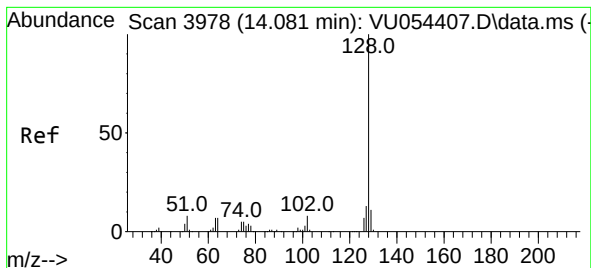
Tgt Ion:180 Resp: 952776
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.0 112.6
 184 30.3 24.1 36.1
 145 29.3 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 20.449 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU054409.D
 Acq: 07 Jun 2023 13:17

Tgt Ion:180 Resp: 810468
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 145 30.3 24.0 36.0





#71

Naphthalene

Concen: 21.080 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD020035

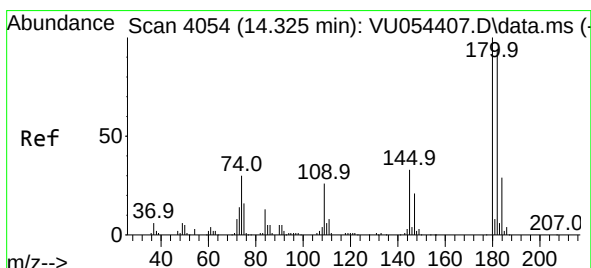
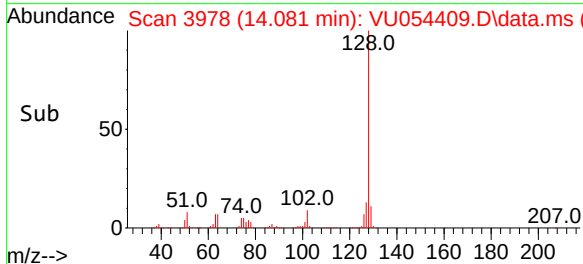
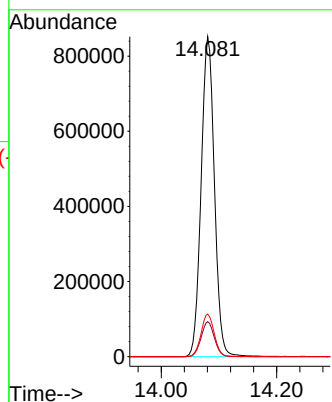
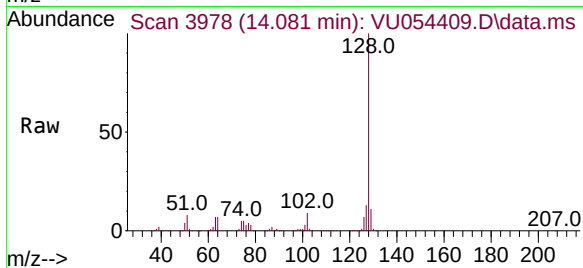
Tgt Ion:128 Resp: 1358499

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.2 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 20.491 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054409.D

Acq: 07 Jun 2023 13:17

Tgt Ion:180 Resp: 697673

Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.2

145 31.3 26.0 39.0

