

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111723\
 Data File : VU056451.D
 Acq On : 17 Nov 2023 18:56
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 23:24:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 23:14:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	252327	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	253524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130940	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	68442	3.626	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.907	69	59760	4.130	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.560	65	33183	3.984	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.621	46	198054	52.627	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.260%
24) Chloroform-d	5.055	84	170088	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.695	65	81131	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.721	84	313655	4.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.685	67	104254	4.580	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.894	98	292318	4.382	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.174	79	40246	4.610	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.627	63	183040	53.347	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.700%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	78460	4.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	100079	4.137	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	108018	5.403	ug/L	99
3) Chloromethane	1.515	50	101398	4.963	ug/L	97
5) Vinyl chloride	1.602	62	98677	5.013	ug/L	98
6) Bromomethane	1.853	94	52104	5.230	ug/L	99
8) Chloroethane	1.927	64	64850	5.393	ug/L	95
9) Trichlorofluoromethane	2.132	101	158363	5.583	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	97483	5.788	ug/L	99
12) 1,1-Dichloroethene	2.576	96	86687	5.612	ug/L	84
13) Acetone	2.628	43	150207	46.863	ug/L	99
14) Carbon disulfide	2.788	76	232073	4.617	ug/L	99
15) Methyl Acetate	2.949	43	29539	5.179	ug/L	94
16) Methylene chloride	3.039	84	102681	5.023	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	208998	5.569	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	86392	5.436	ug/L	98
19) 1,1-Dichloroethane	3.862	63	175156	5.564	ug/L	98
21) 2-Butanone	4.698	43	206457	49.639	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	101281	5.619	ug/L	97
23) Bromochloromethane	4.965	128	42553	5.736	ug/L	93
25) Chloroform	5.081	83	190365	5.581	ug/L	99

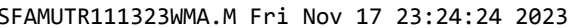
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 Data File : VU056451.D
 Acq On : 17 Nov 2023 18:56
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

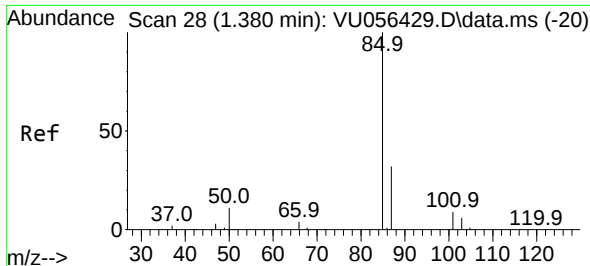
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 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 23:24:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 23:14:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	108803	5.618	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	162402	5.581	ug/L	99
30) Cyclohexane	5.383	56	130429	4.722	ug/L	99
31) Carbon tetrachloride	5.518	117	135384	5.416	ug/L	98
33) Benzene	5.769	78	384156	5.311	ug/L	100
34) Trichloroethene	6.537	95	110614	5.612	ug/L	98
35) Methylcyclohexane	6.759	83	150129	5.276	ug/L	99
37) 1,2-Dichloropropane	6.785	63	107529	5.700	ug/L	99
38) Bromodichloromethane	7.100	83	137649	5.652	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	152270	5.493	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	535719	57.288	ug/L	99
42) Toluene	7.965	91	429946	5.741	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	127314	5.761	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	76290	6.072	ug/L	93
47) Tetrachloroethene	8.550	164	76049	5.722	ug/L	97
48) 2-Hexanone	8.679	43	399234	54.801	ug/L	99
49) Dibromochloromethane	8.804	129	84982	5.948	ug/L	95
50) 1,2-Dibromoethane	8.920	107	69194	5.834	ug/L	100
51) Chlorobenzene	9.444	112	266721	5.542	ug/L	99
52) Ethylbenzene	9.566	91	467088	5.616	ug/L	99
53) m,p-Xylene	9.692	106	177736	5.813	ug/L	98
54) o-Xylene	10.097	106	164206	5.529	ug/L	98
55) Styrene	10.110	104	286775	5.805	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	87521	5.705	ug/L	95
59) Bromoform	10.287	173	46703	5.726	ug/L	97
60) Isopropylbenzene	10.479	105	451473	5.346	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	59777	5.321	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	365583	5.273	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	364477	5.325	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	208317	5.423	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	200870	5.213	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	190225	5.398	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.991	75	12917	5.383	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	151873	5.251	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	123467	5.242	ug/L	100
71) Naphthalene	14.084	128	174988	4.917	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	101994	5.256	ug/L	99

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

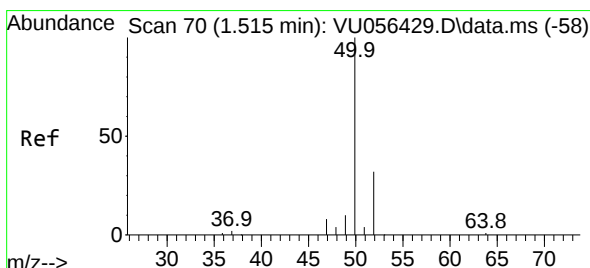
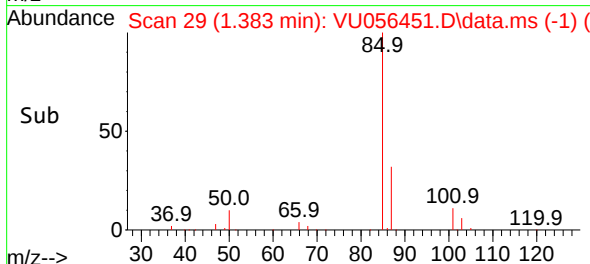
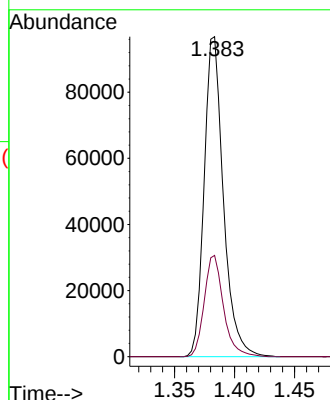
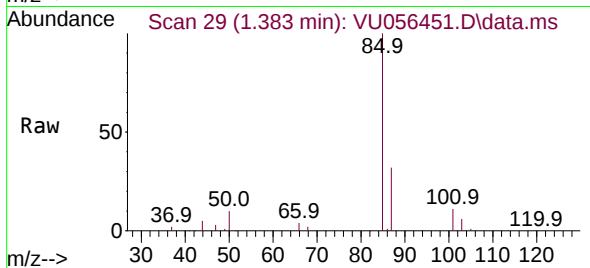




#2
 Dichlorodifluoromethane
 Concen: 5.403 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

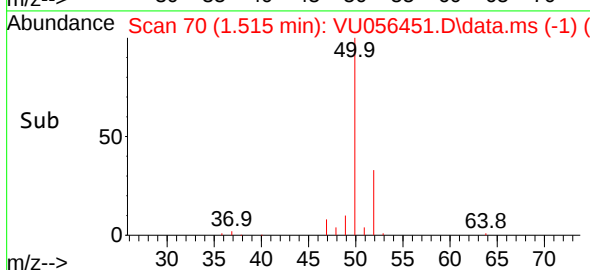
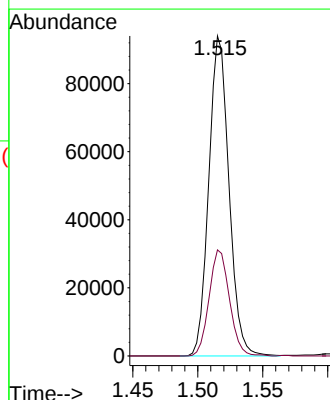
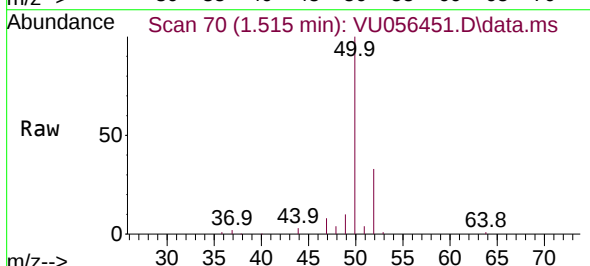
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 ClientSampleId :

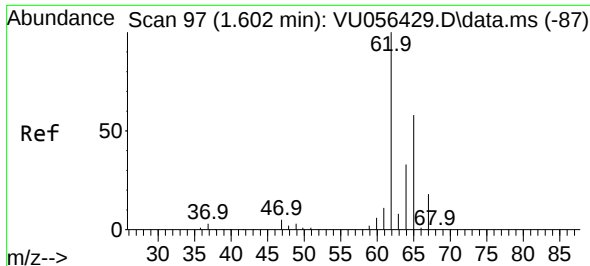
Tgt Ion: 85 Resp: 108018
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.0 37.4



#3
 Chloromethane
 Concen: 4.963 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

Tgt Ion: 50 Resp: 101398
 Ion Ratio Lower Upper
 50 100
 52 33.1 24.3 45.1

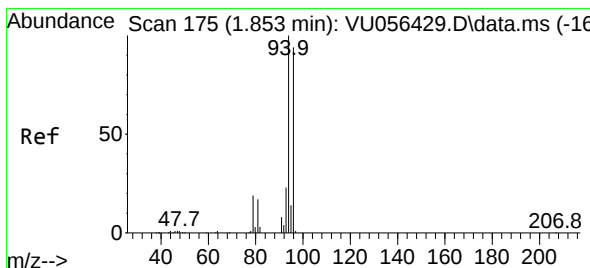
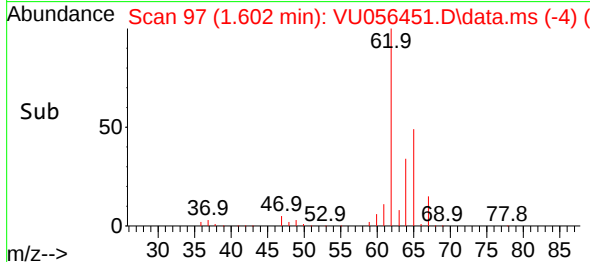
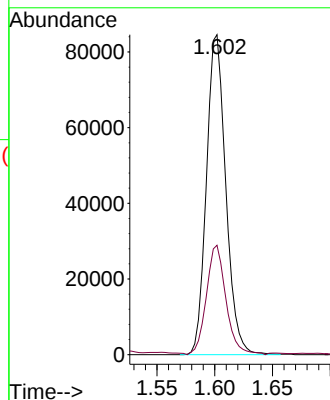
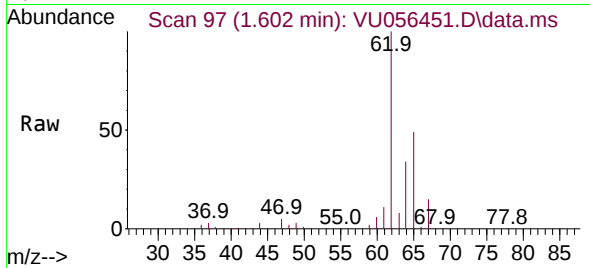




#5
 Vinyl chloride
 Concen: 5.013 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

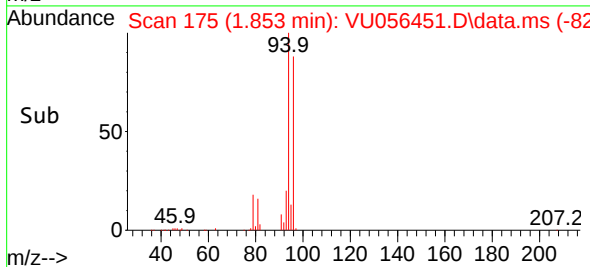
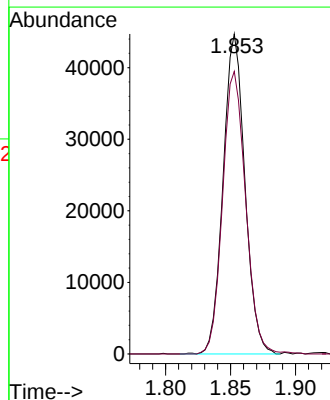
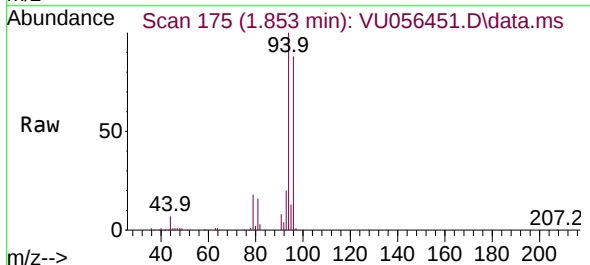
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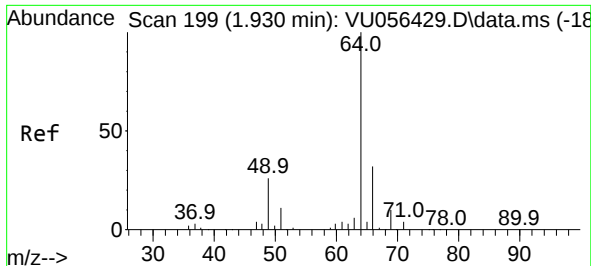
Tgt Ion: 62 Resp: 98677
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.3 43.3



#6
 Bromomethane
 Concen: 5.230 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

Tgt Ion: 94 Resp: 52104
 Ion Ratio Lower Upper
 94 100
 96 88.3 62.6 116.2

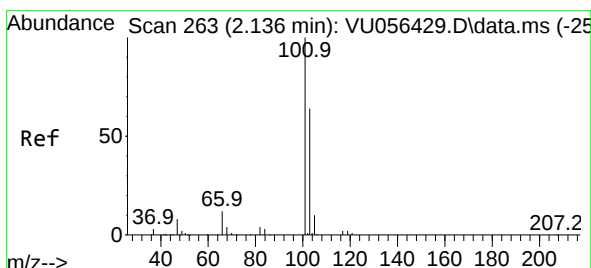
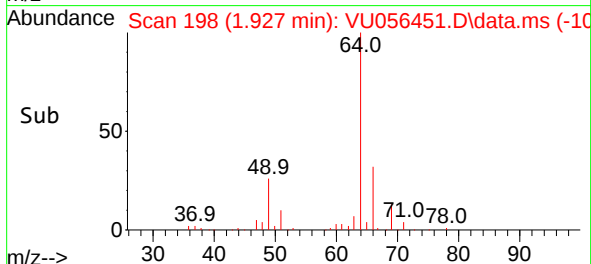
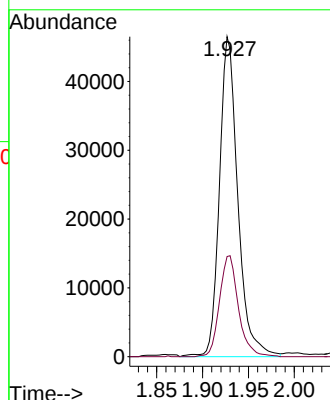
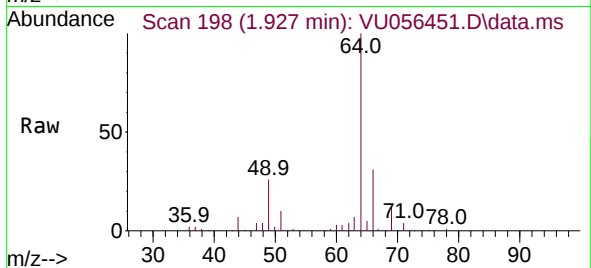




#8
Chloroethane
Concen: 5.393 ug/L
RT: 1.927 min Scan# 19
Delta R.T. -0.003 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

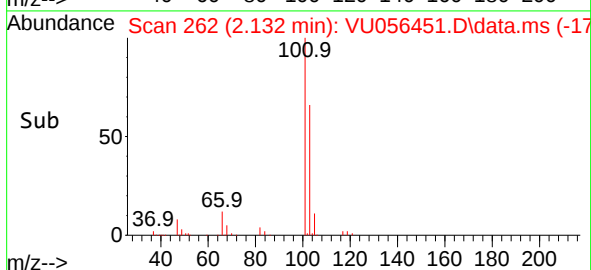
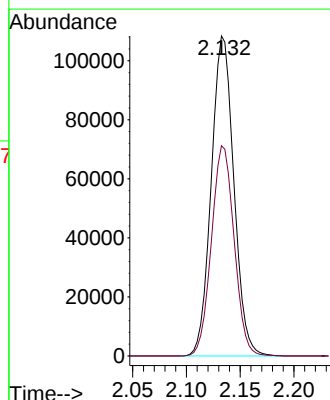
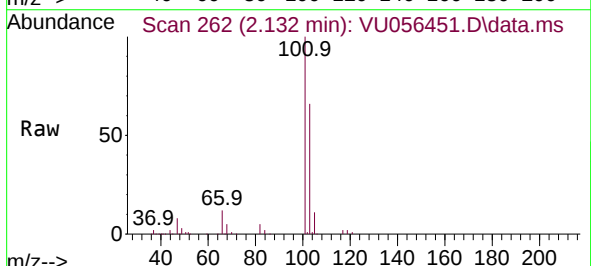
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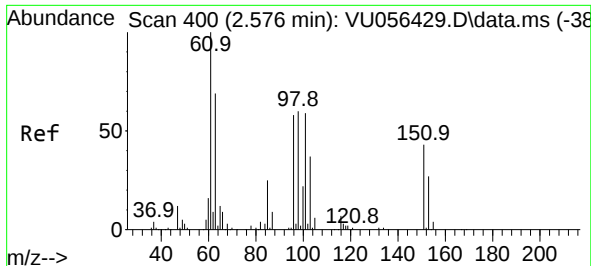
Tgt Ion: 64 Resp: 64850
Ion Ratio Lower Upper
64 100
66 31.3 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.583 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Tgt Ion:101 Resp: 158363
Ion Ratio Lower Upper
101 100
103 66.0 52.0 78.0

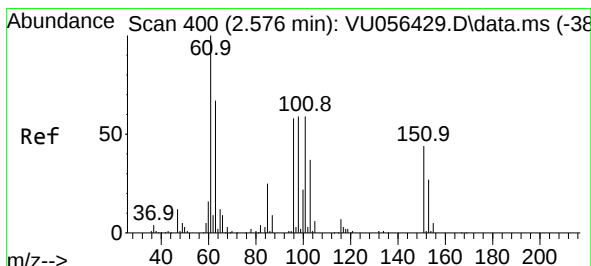
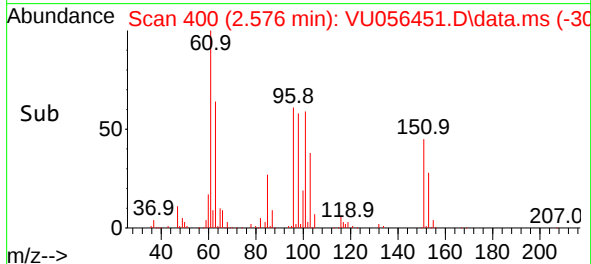
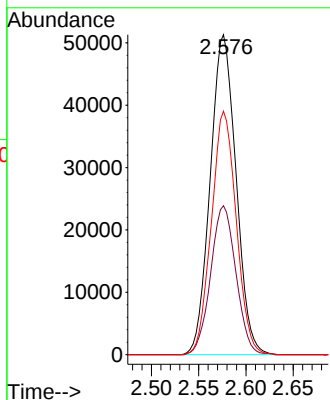
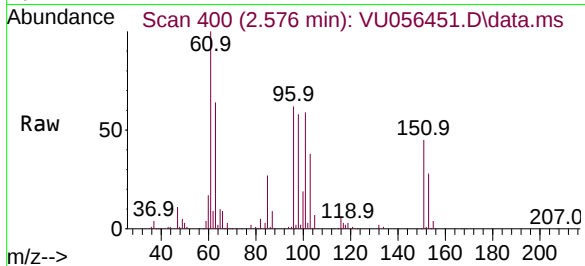




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.788 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

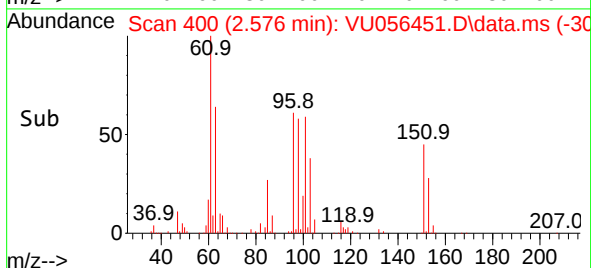
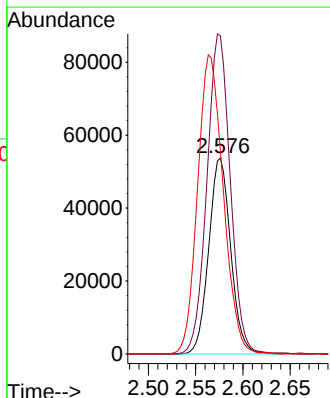
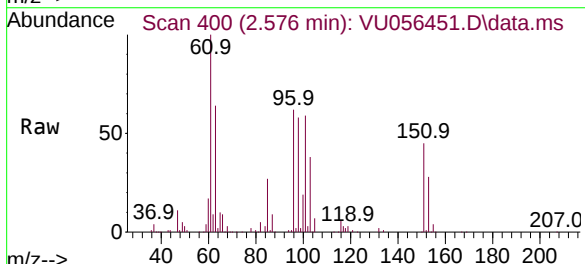
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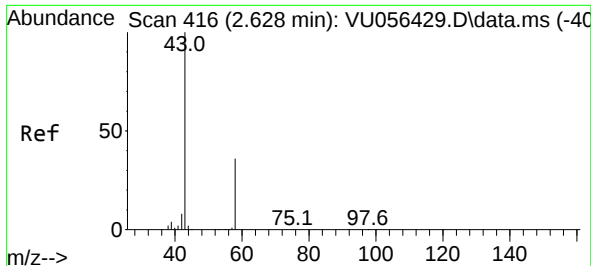
Tgt Ion:101 Resp: 97483
 Ion Ratio Lower Upper
 101 100
 85 45.5 35.4 53.0
 151 73.3 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.612 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

Tgt Ion: 96 Resp: 86687
 Ion Ratio Lower Upper
 96 100
 61 162.3 123.1 228.7
 63 103.3 93.3 173.3





#13

Acetone

Concen: 46.863 ug/L

RT: 2.628 min Scan# 416

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

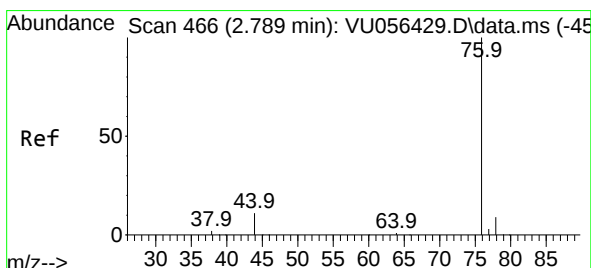
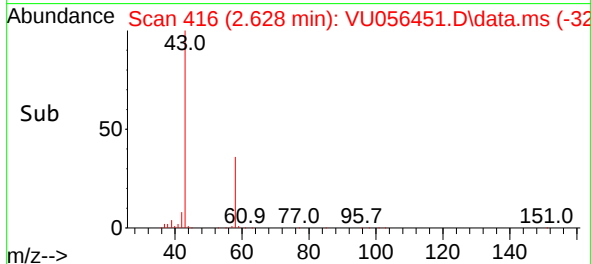
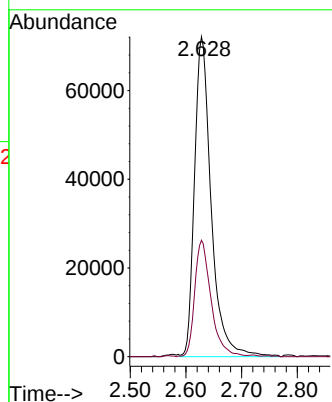
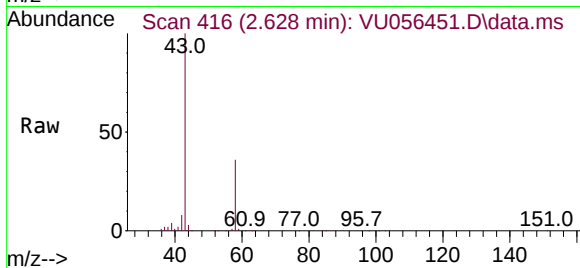
ClientSampleId :

Tgt Ion: 43 Resp: 150207

Ion Ratio Lower Upper

43 100

58 35.6 0.0 70.0



#14

Carbon disulfide

Concen: 4.617 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056451.D

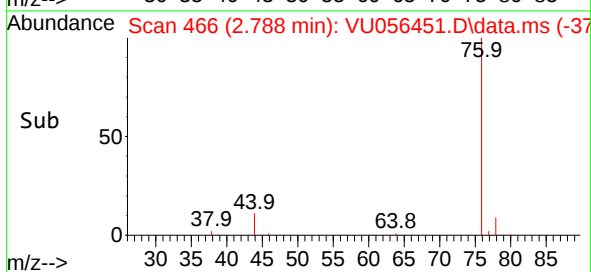
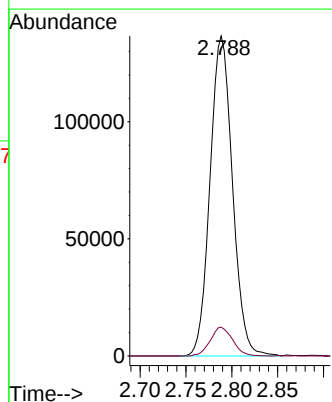
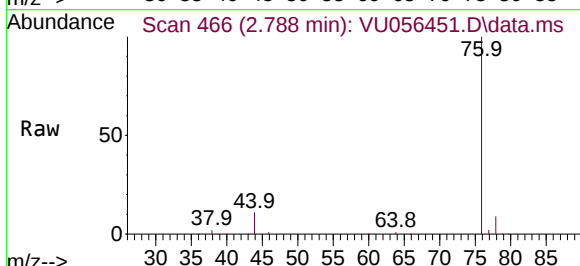
Acq: 17 Nov 2023 18:56

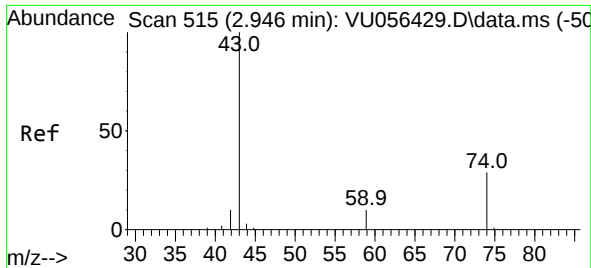
Tgt Ion: 76 Resp: 232073

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

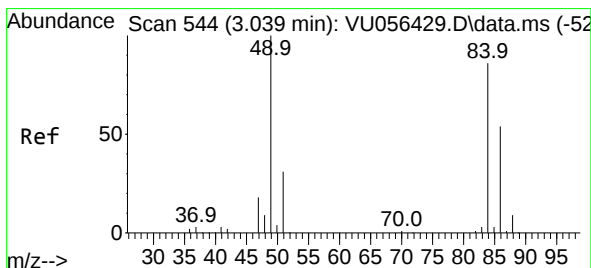
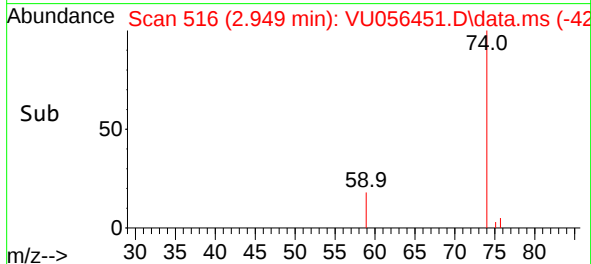
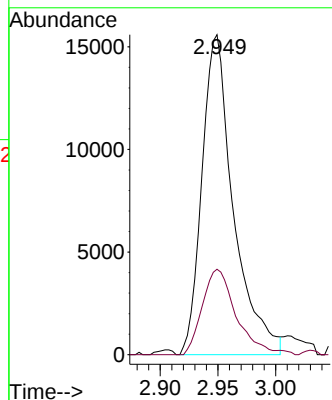
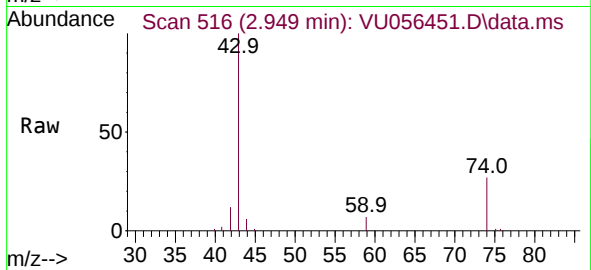




#15
Methyl Acetate
Concen: 5.179 ug/L
RT: 2.949 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

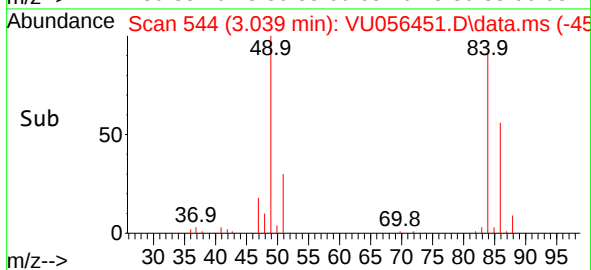
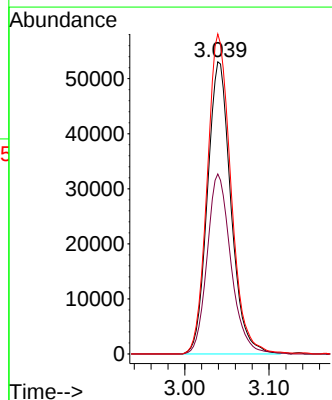
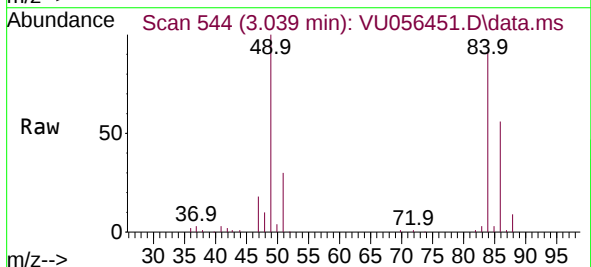
Instrument :
MSVOA_U
ClientSampleId :

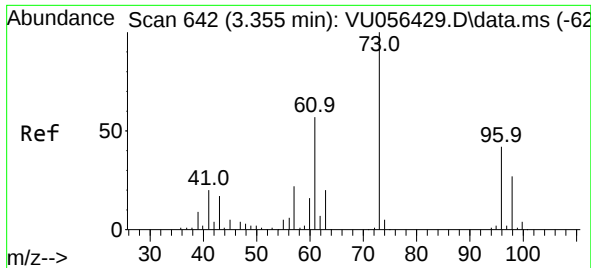
Tgt Ion: 43 Resp: 29539
Ion Ratio Lower Upper
43 100
74 28.8 20.6 31.0



#16
Methylene chloride
Concen: 5.023 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Tgt Ion: 84 Resp: 102681
Ion Ratio Lower Upper
84 100
86 61.6 44.7 83.1
49 109.5 81.8 152.0

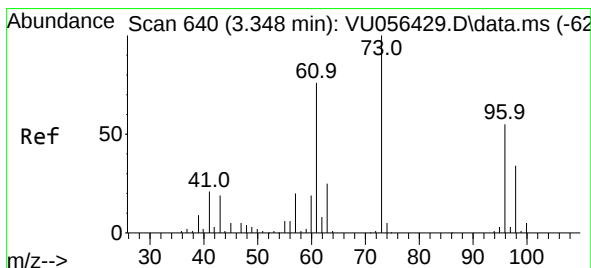
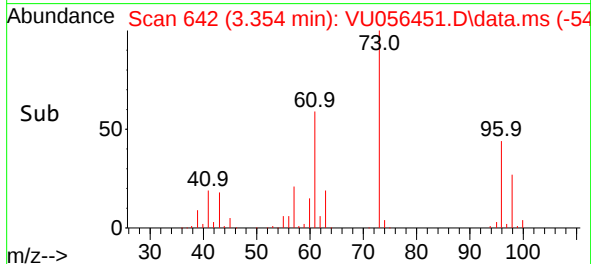
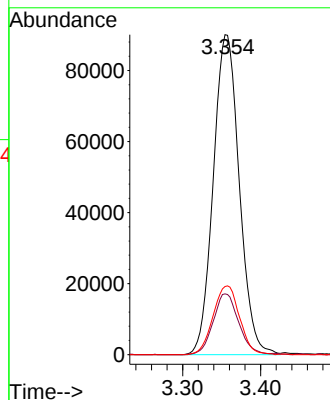
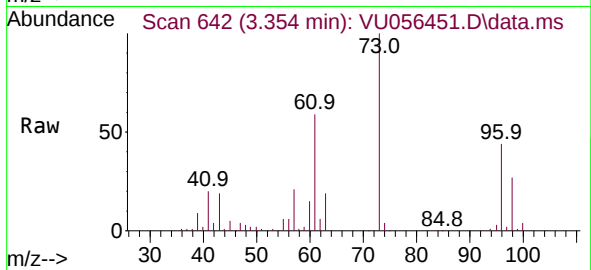




#17
Methyl tert-butyl Ether
Concen: 5.569 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

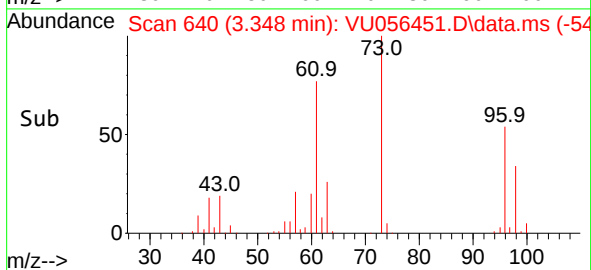
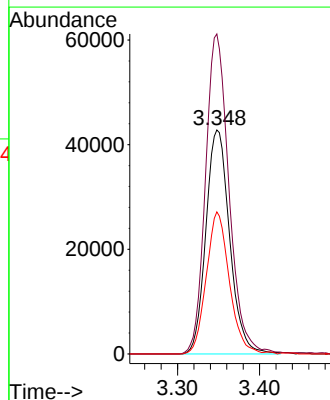
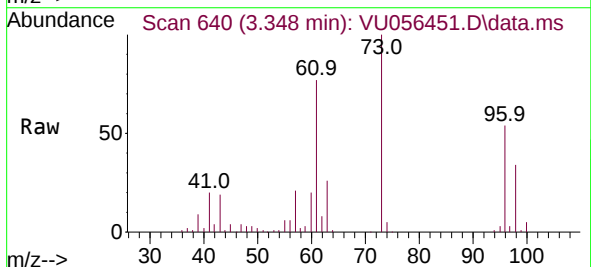
Instrument :
MSVOA_U
ClientSampleId :

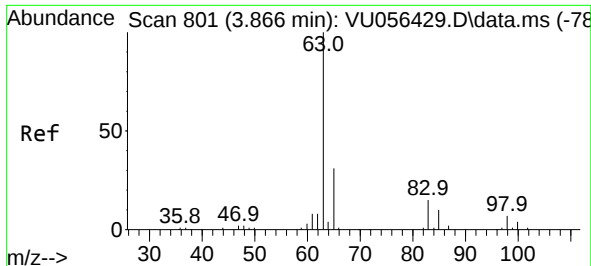
Tgt Ion: 73 Resp: 208998
Ion Ratio Lower Upper
73 100
43 18.7 15.1 22.7
57 21.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.436 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Tgt Ion: 96 Resp: 86392
Ion Ratio Lower Upper
96 100
61 142.8 101.7 188.9
98 63.4 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.564 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

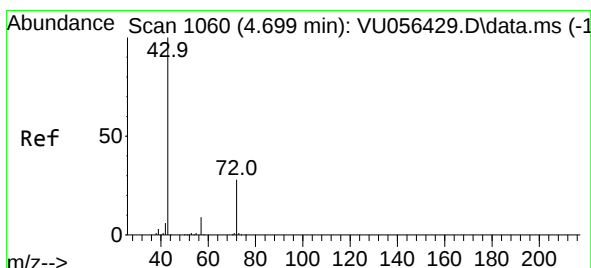
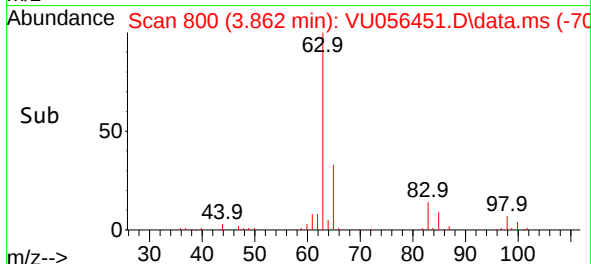
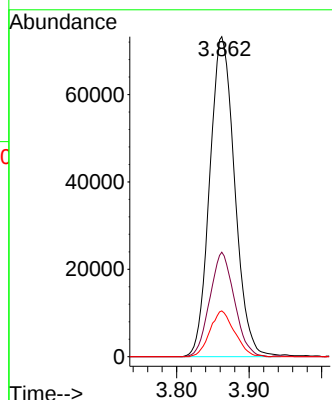
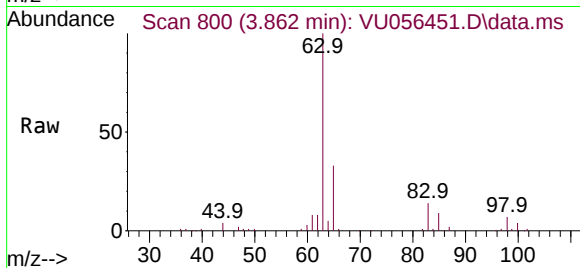
Tgt Ion: 63 Resp: 175156

Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.6

83 14.3 9.7 17.9



#21

2-Butanone

Concen: 49.639 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VU056451.D

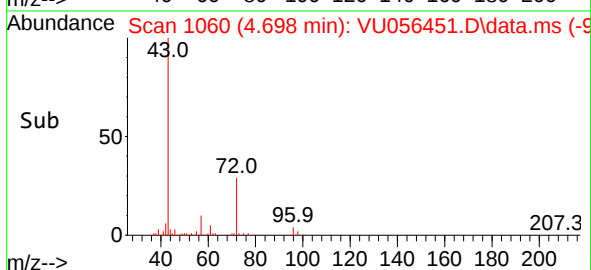
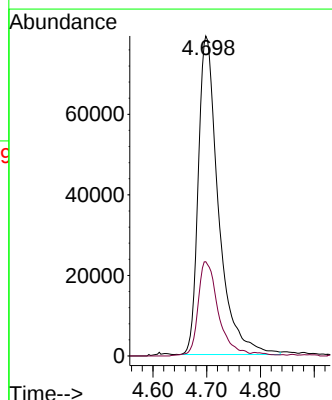
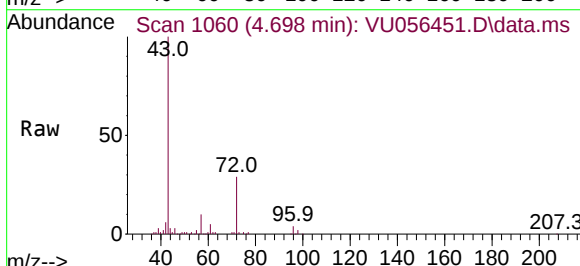
Acq: 17 Nov 2023 18:56

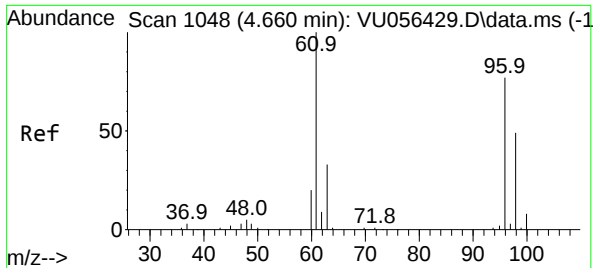
Tgt Ion: 43 Resp: 206457

Ion Ratio Lower Upper

43 100

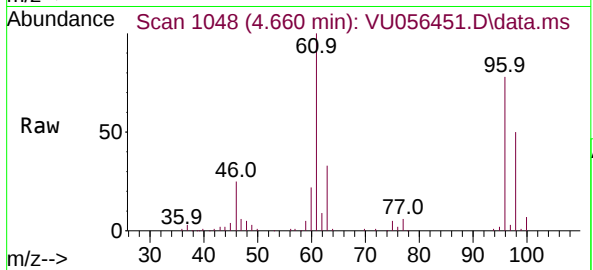
72 29.8 14.2 42.6





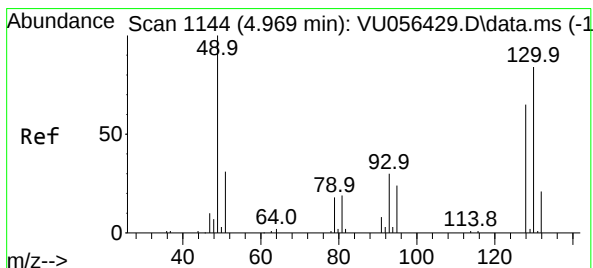
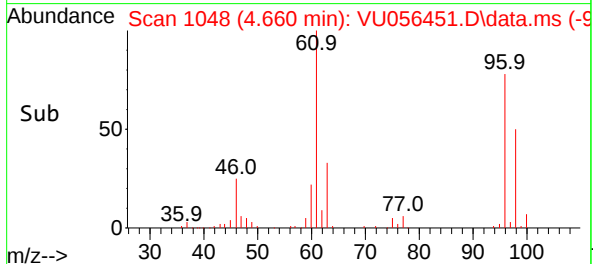
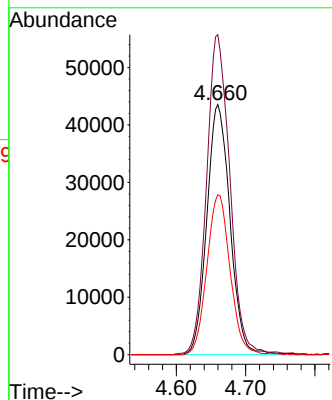
#22
 cis-1,2-Dichloroethene
 Concen: 5.619 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 101281

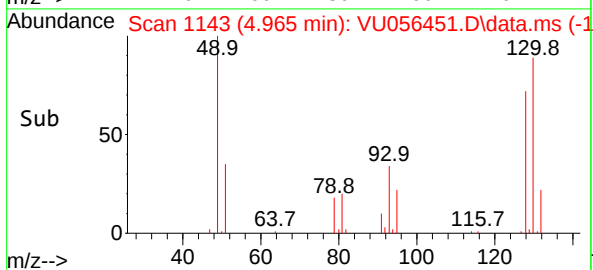
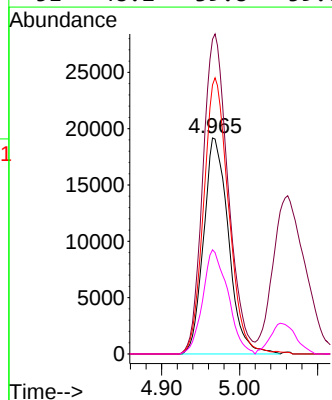
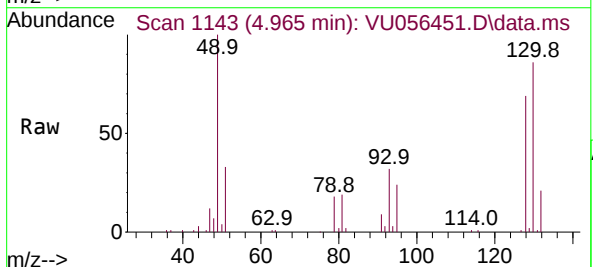
Ion	Ratio	Lower	Upper
96	100		
61	127.9	93.2	173.2
98	63.9	44.8	83.2

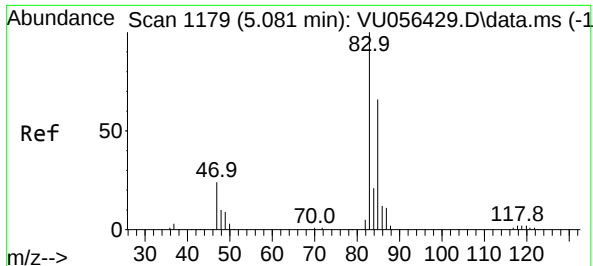


#23
 Bromochloromethane
 Concen: 5.736 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

Tgt Ion: 128 Resp: 42553

Ion	Ratio	Lower	Upper
128	100		
49	145.7	113.4	210.6
130	124.6	84.8	157.6
51	48.2	39.8	59.6

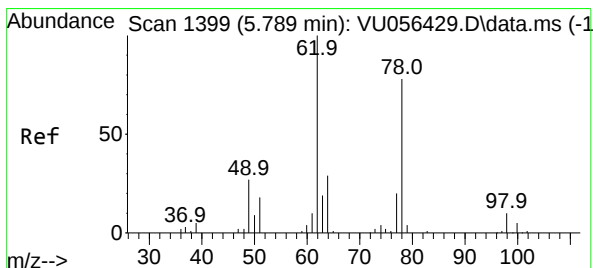
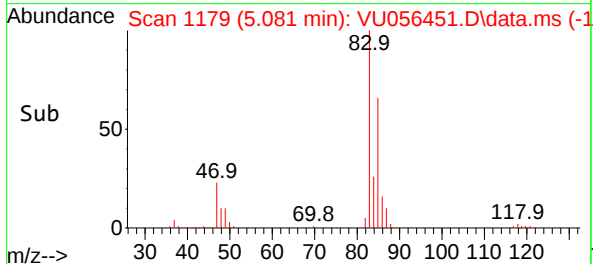
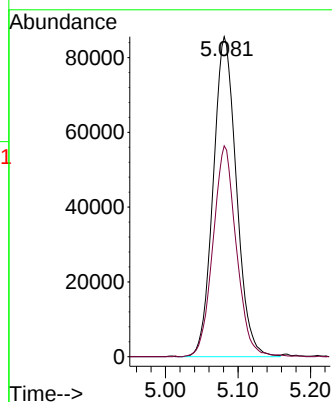
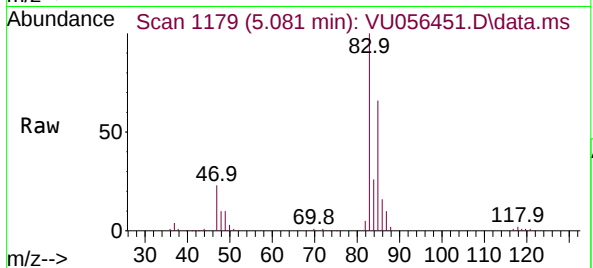




#25
Chloroform
Concen: 5.581 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

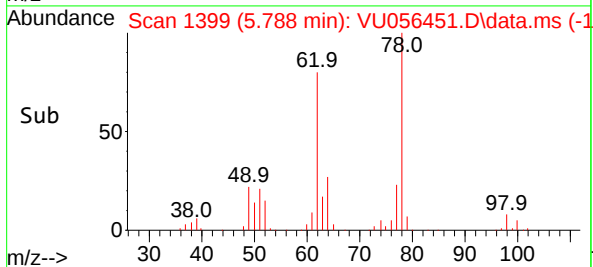
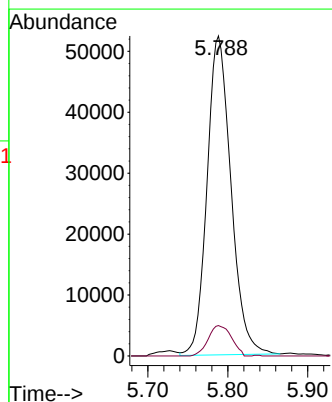
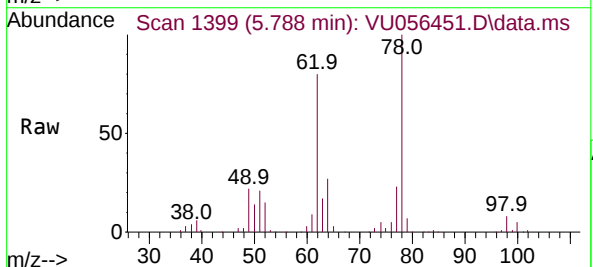
Instrument :
MSVOA_U
ClientSampleId :

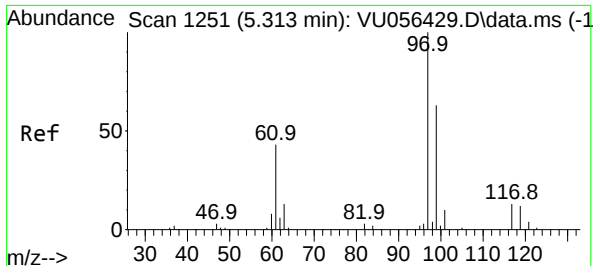
Tgt Ion: 83 Resp: 190365
Ion Ratio Lower Upper
83 100
85 65.9 47.0 87.2



#27
1,2-Dichloroethane
Concen: 5.618 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Tgt Ion: 62 Resp: 108803
Ion Ratio Lower Upper
62 100
98 9.5 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.581 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

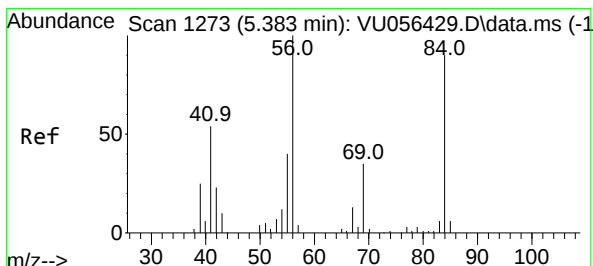
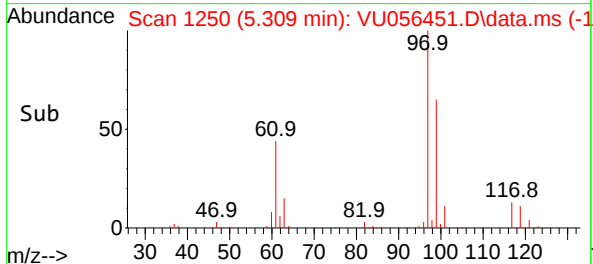
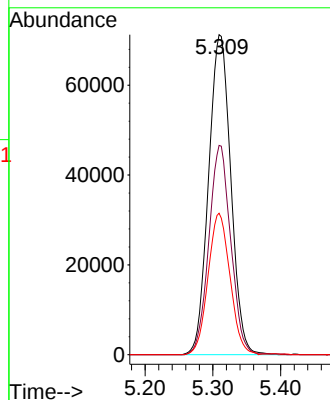
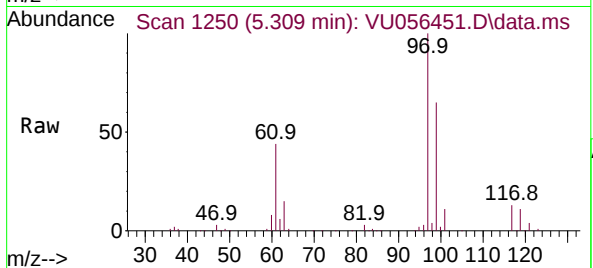
Tgt Ion: 97 Resp: 162402

Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 43.7 34.3 51.5



#30

Cyclohexane

Concen: 4.722 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

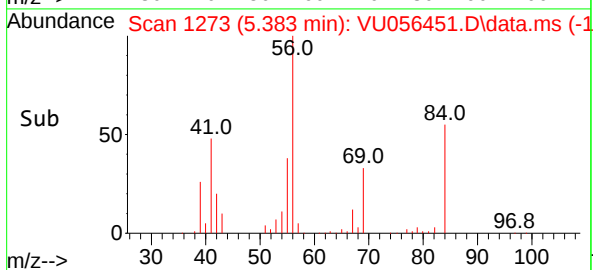
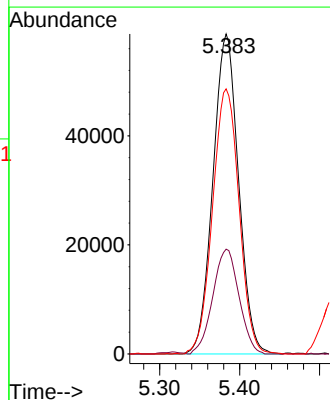
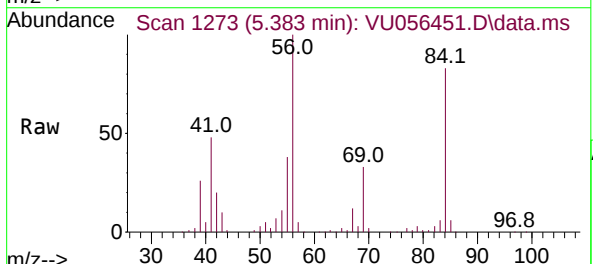
Tgt Ion: 56 Resp: 130429

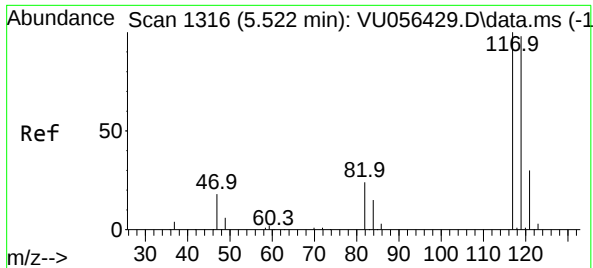
Ion Ratio Lower Upper

56 100

69 33.5 25.4 38.2

84 85.9 68.6 103.0

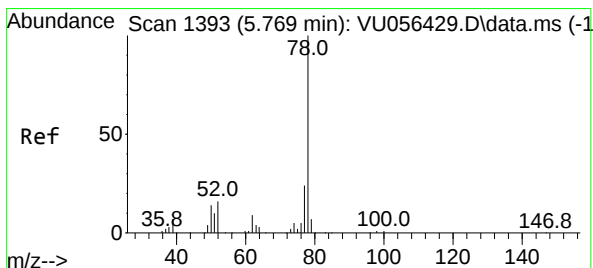
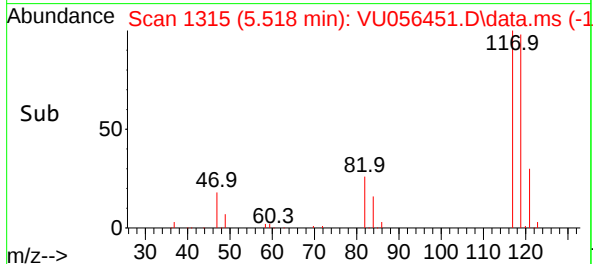
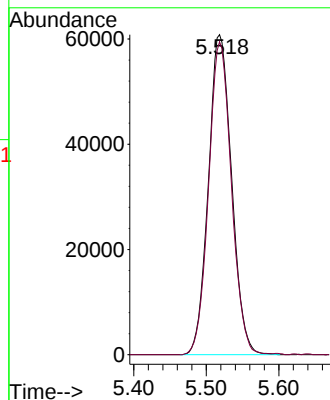
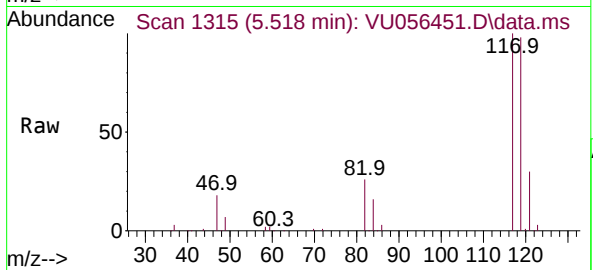




#31
Carbon tetrachloride
Concen: 5.416 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

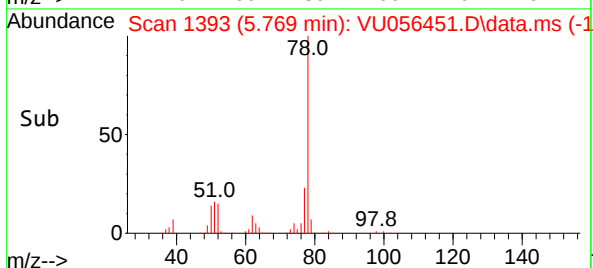
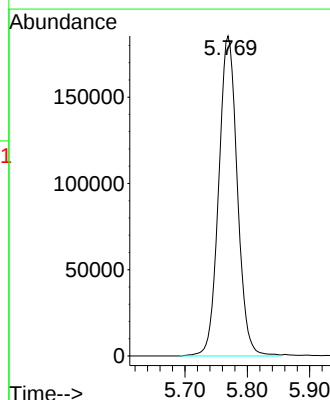
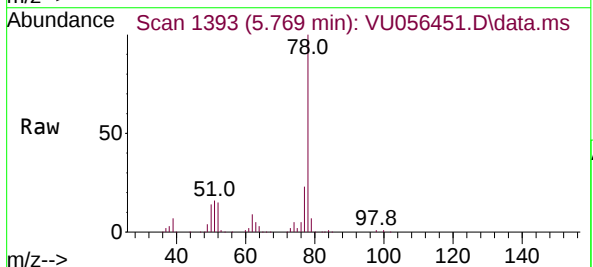
Instrument :
MSVOA_U
ClientSampleId :

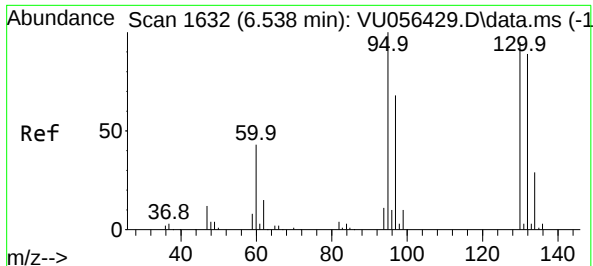
Tgt Ion:117 Resp: 135384
Ion Ratio Lower Upper
117 100
119 95.7 78.1 117.1



#33
Benzene
Concen: 5.311 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

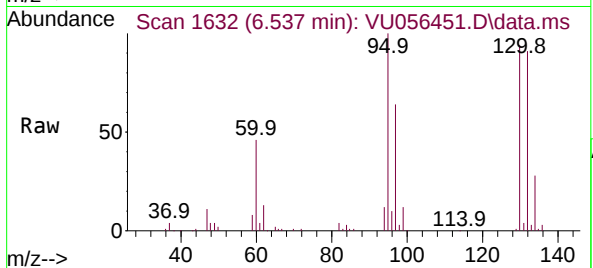
Tgt Ion: 78 Resp: 384156



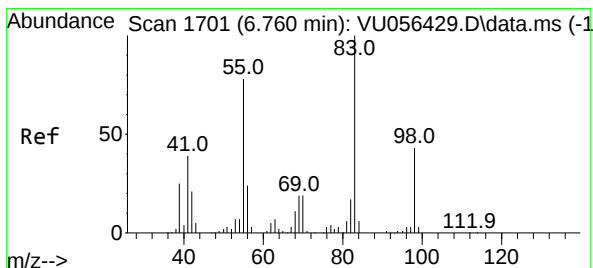
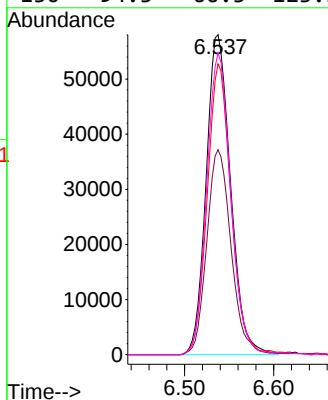
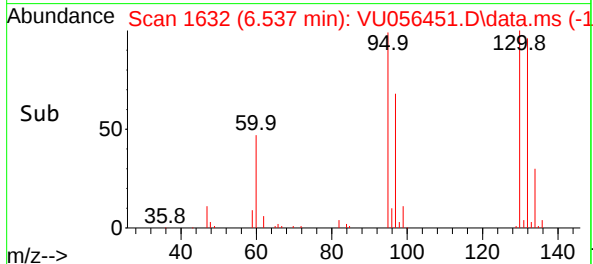


#34
Trichloroethene
Concen: 5.612 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

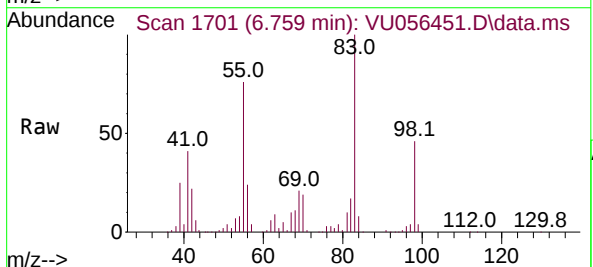
Instrument :
MSVOA_U
ClientSampleId :



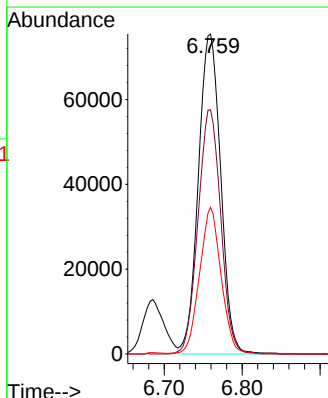
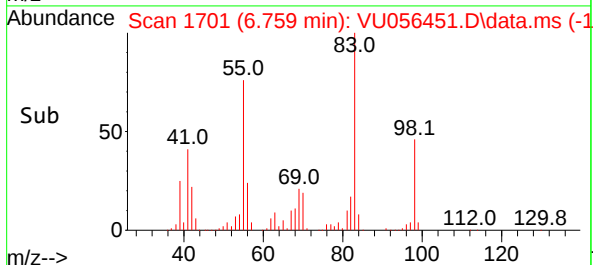
Tgt Ion: 95 Resp: 110614
Ion Ratio Lower Upper
95 100
97 64.0 46.5 86.3
132 90.9 62.0 115.2
130 94.3 66.3 123.1

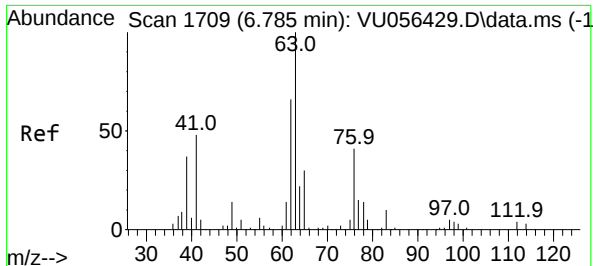


#35
Methylcyclohexane
Concen: 5.276 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56



Tgt Ion: 83 Resp: 150129
Ion Ratio Lower Upper
83 100
55 77.6 62.9 94.3
98 43.5 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.700 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

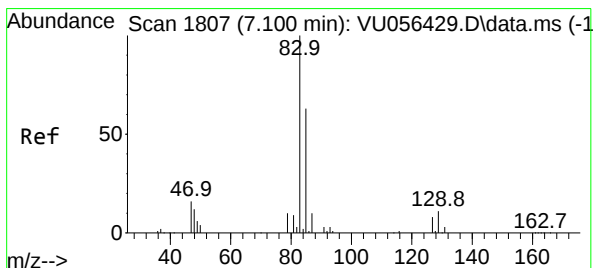
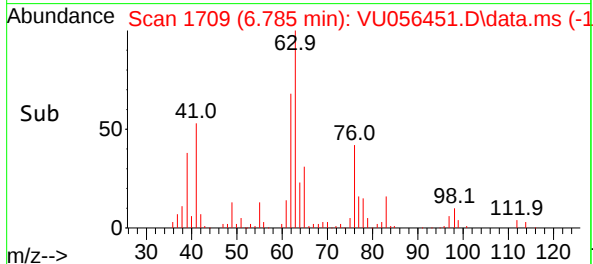
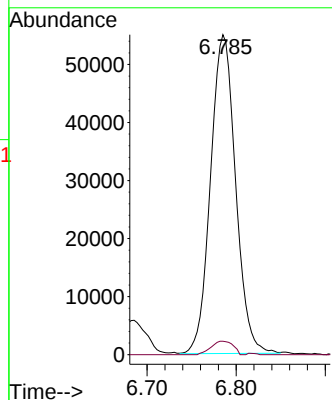
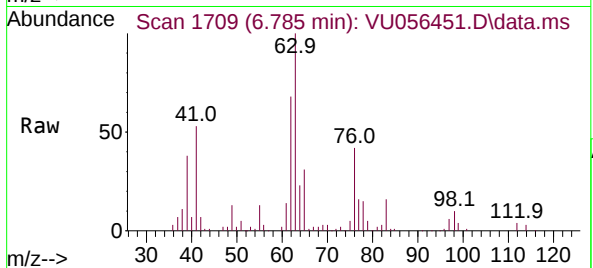
ClientSampleId :

Tgt Ion: 63 Resp: 107529

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 5.652 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

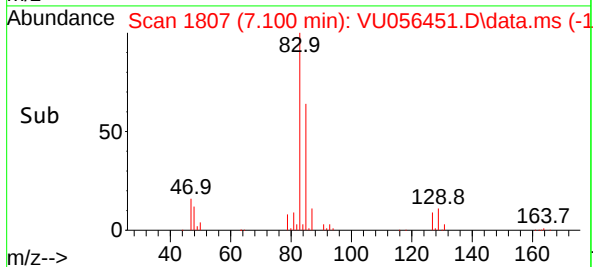
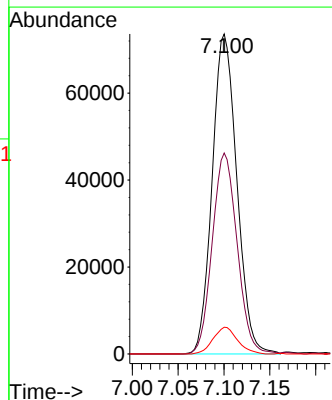
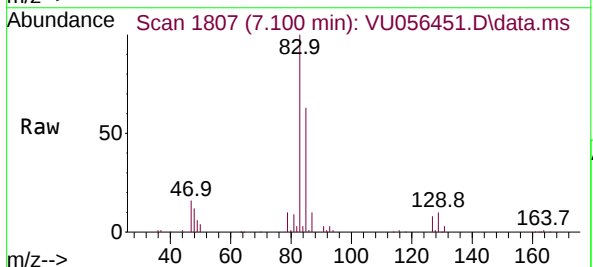
Tgt Ion: 83 Resp: 137649

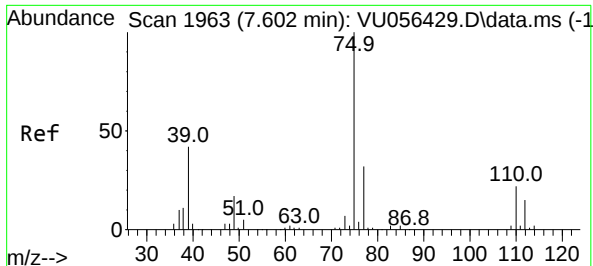
Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.5

127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.493 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

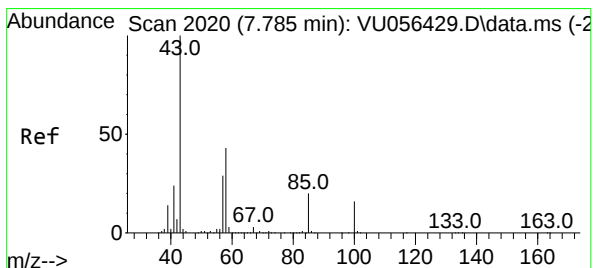
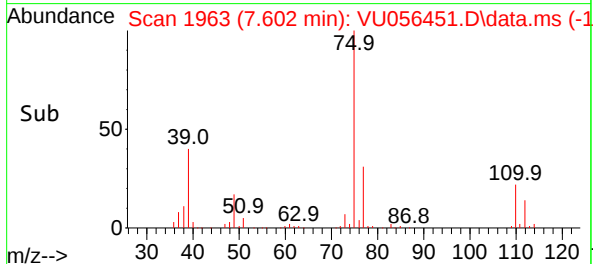
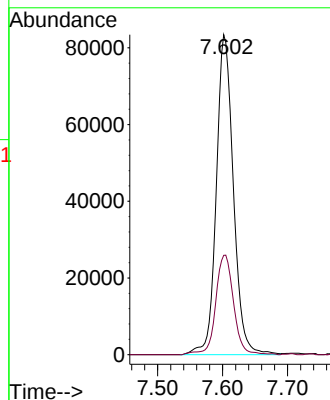
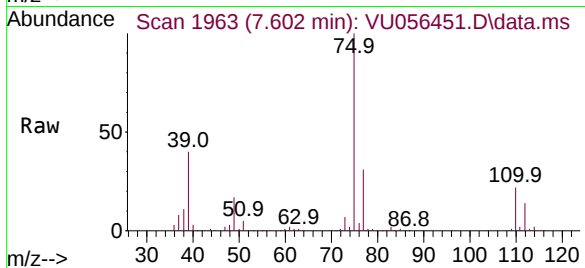
ClientSampleId :

Tgt Ion: 75 Resp: 152270

Ion Ratio Lower Upper

75 100

77 31.0 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 57.288 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

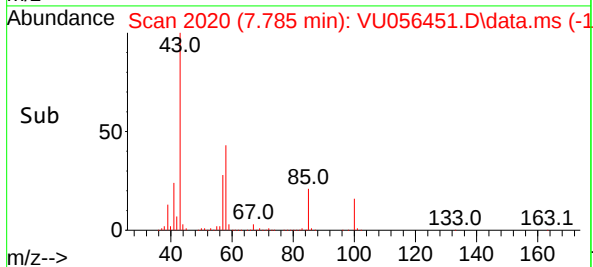
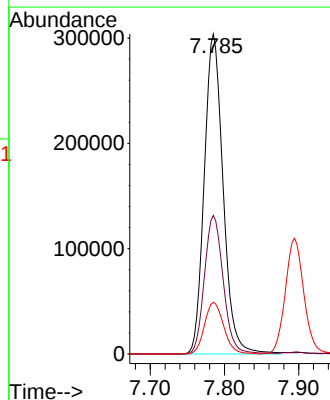
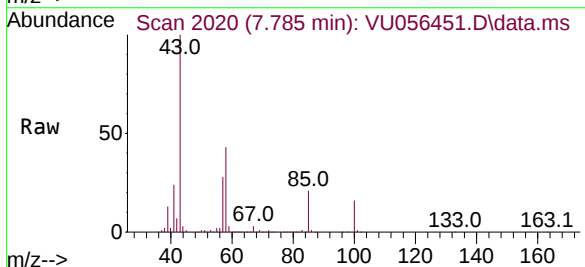
Tgt Ion: 43 Resp: 535719

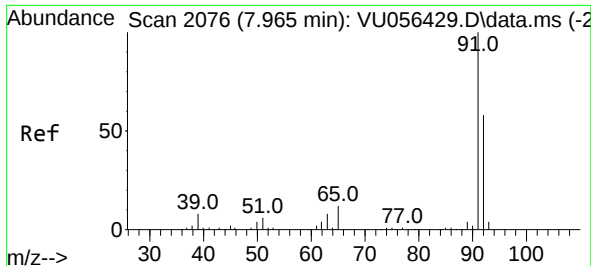
Ion Ratio Lower Upper

43 100

58 43.3 33.8 50.8

100 16.4 13.0 19.4





#42

Toluene

Concen: 5.741 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

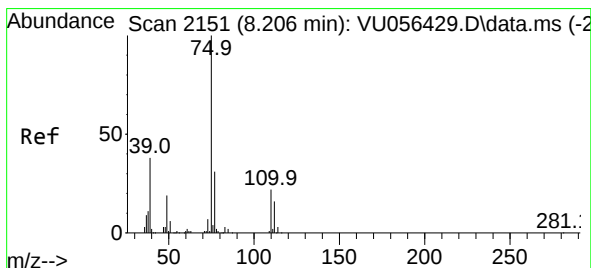
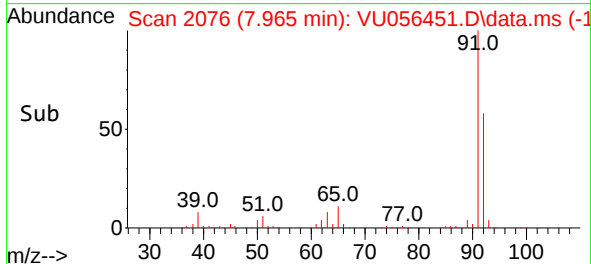
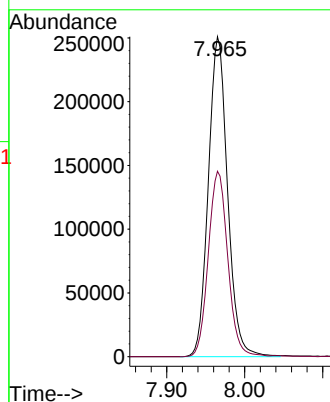
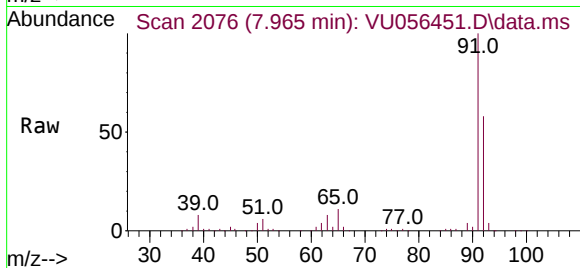
ClientSampleId :

Tgt Ion: 91 Resp: 429946

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.761 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056451.D

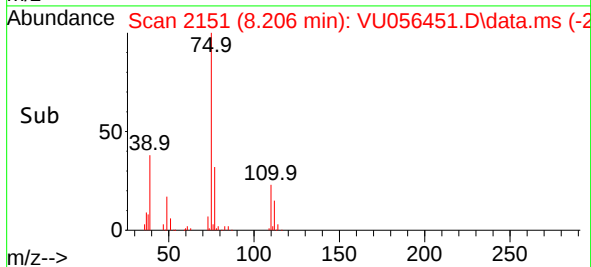
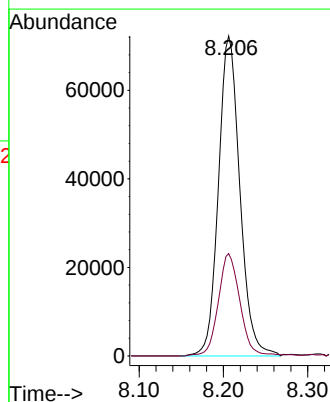
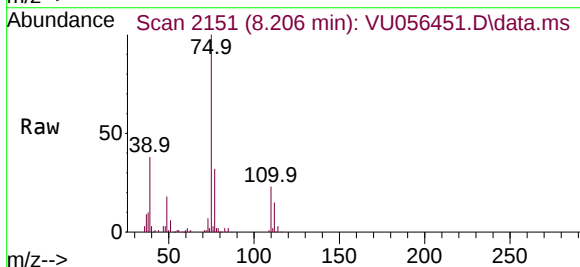
Acq: 17 Nov 2023 18:56

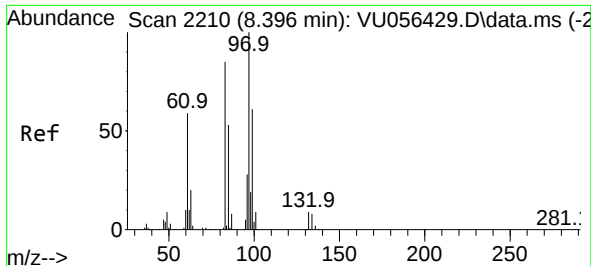
Tgt Ion: 75 Resp: 127314

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4

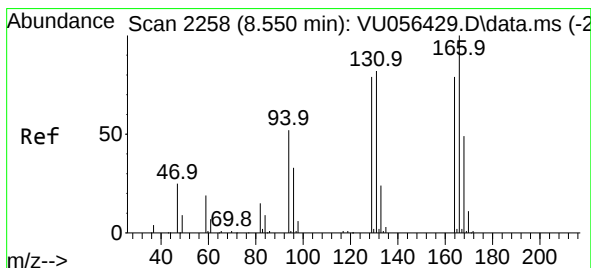
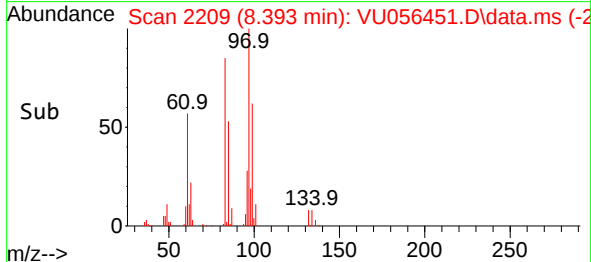
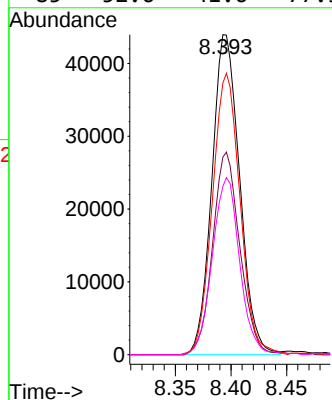
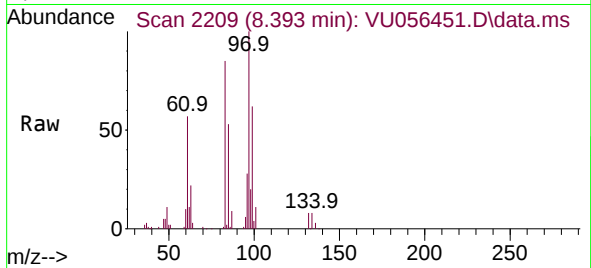




#45
1,1,2-Trichloroethane
Concen: 6.072 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

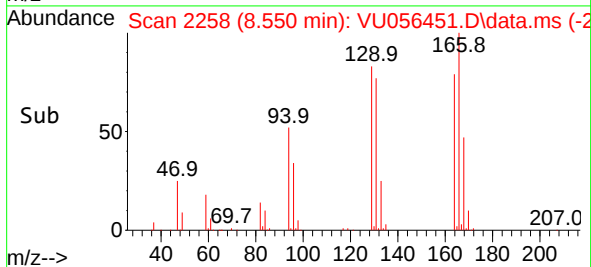
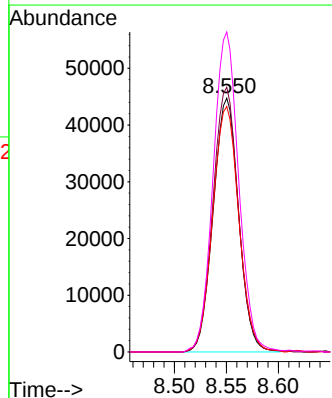
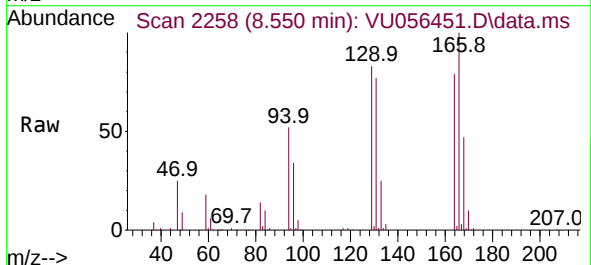
Instrument :
MSVOA_U
ClientSampleId :

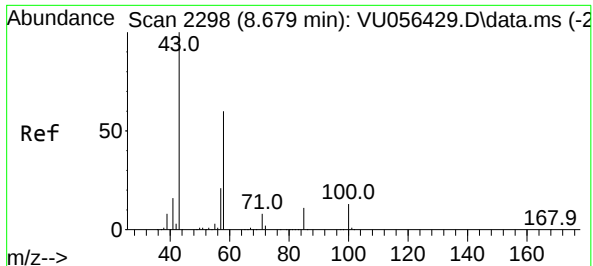
Tgt Ion: 97	Resp: 76290
Ion Ratio	Lower Upper
97 100	
99 61.8	44.3 82.3
83 84.9	65.4 121.4
85 52.6	41.6 77.3



#47
Tetrachloroethene
Concen: 5.722 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

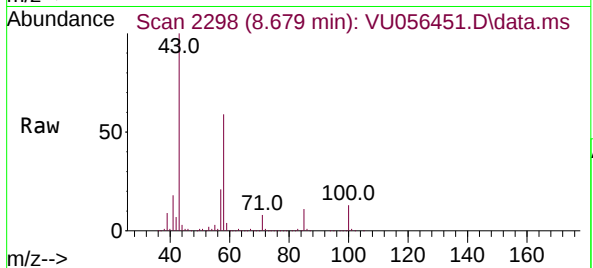
Tgt Ion: 164	Resp: 76049
Ion Ratio	Lower Upper
164 100	
129 104.3	71.0 131.9
131 96.7	70.3 130.7
166 126.1	89.8 166.8



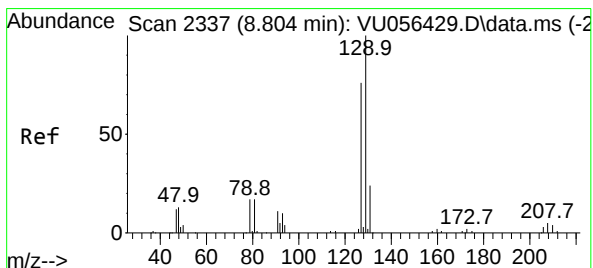
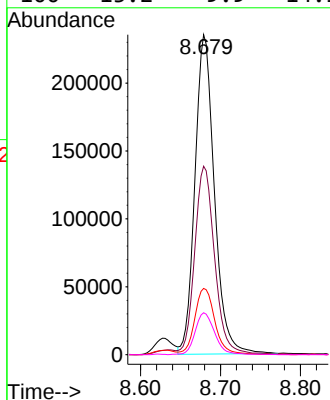
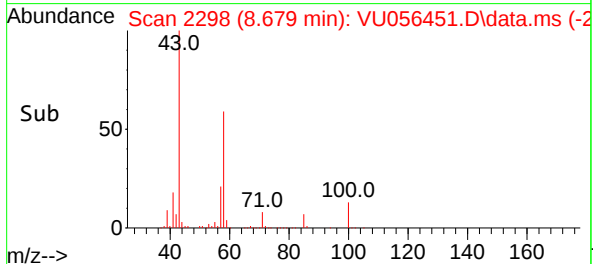


#48
2-Hexanone
Concen: 54.801 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Instrument :
MSVOA_U
ClientSampleId :

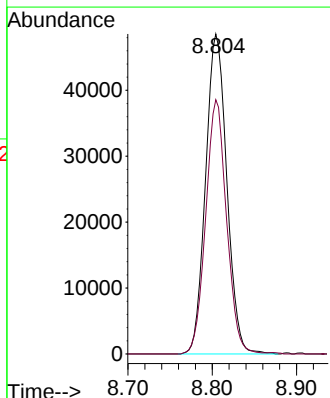
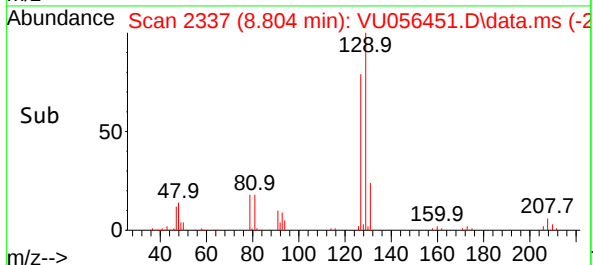
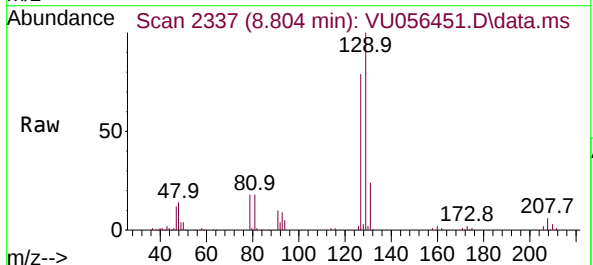


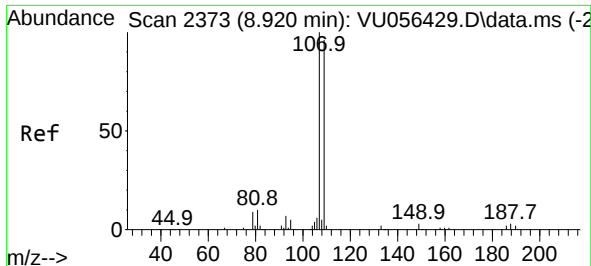
Tgt Ion: 43 Resp: 399234
Ion Ratio Lower Upper
43 100
58 60.1 48.7 73.1
57 21.3 16.8 25.2
100 13.2 9.9 14.9



#49
Dibromochloromethane
Concen: 5.948 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Tgt Ion: 129 Resp: 84982
Ion Ratio Lower Upper
129 100
127 79.5 52.9 98.3





#50

1,2-Dibromoethane

Concen: 5.834 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056451.D

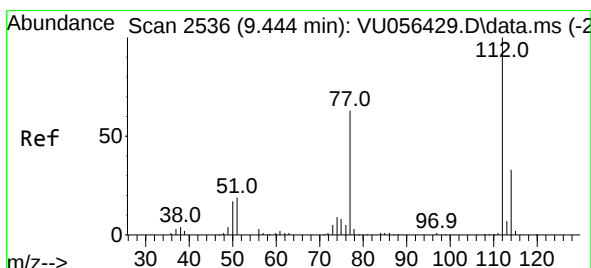
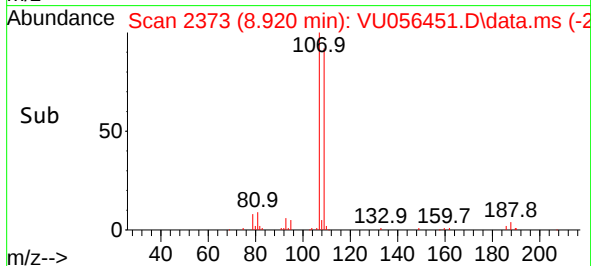
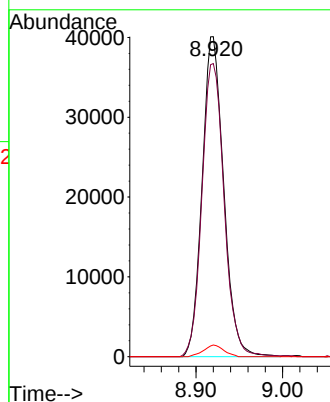
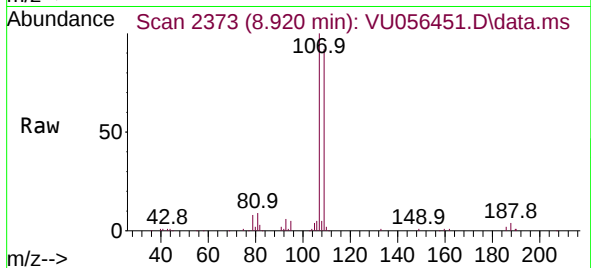
Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	69194
Ion Ratio	Lower	Upper
107	100	
109	91.6	64.2 119.2
188	3.6	2.6 4.0



#51

Chlorobenzene

Concen: 5.542 ug/L

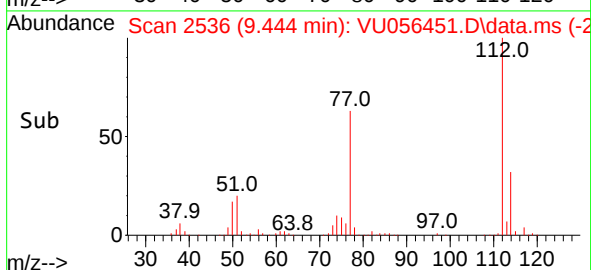
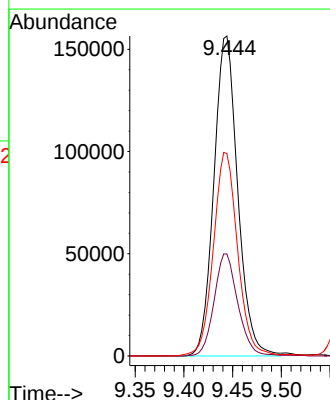
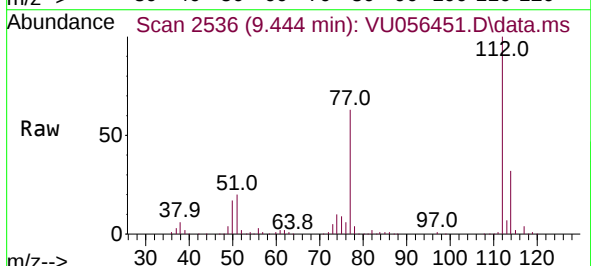
RT: 9.444 min Scan# 2536

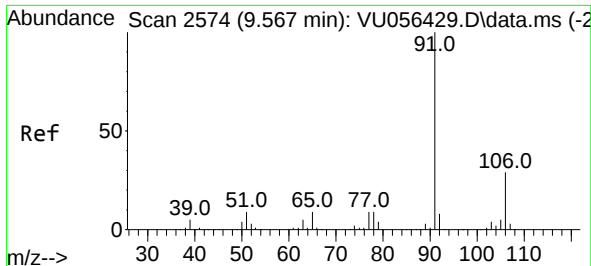
Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Tgt Ion:112	Resp:	266721
Ion Ratio	Lower	Upper
112	100	
114	31.9	22.5 41.7
77	63.2	51.7 77.5

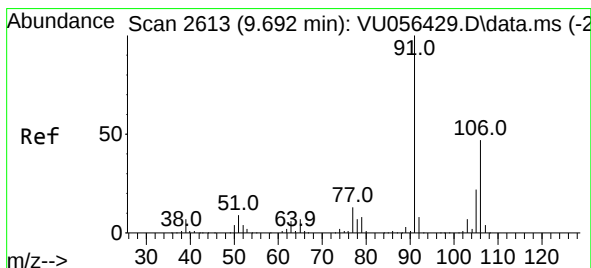
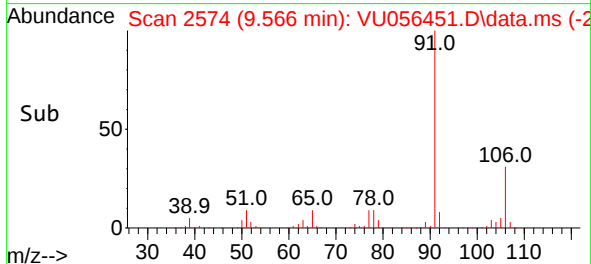
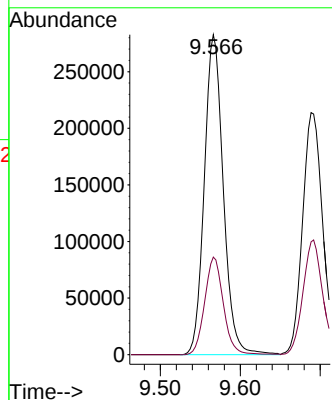
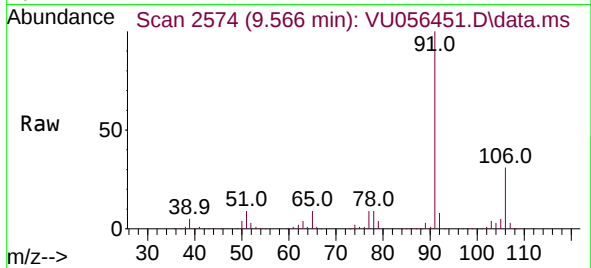




#52
Ethylbenzene
Concen: 5.616 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

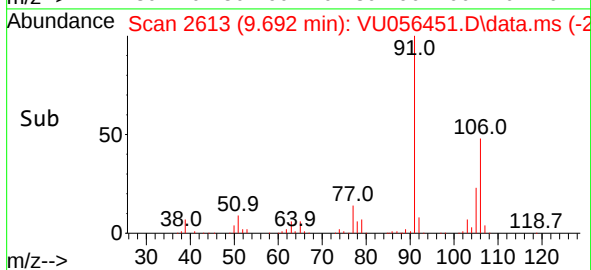
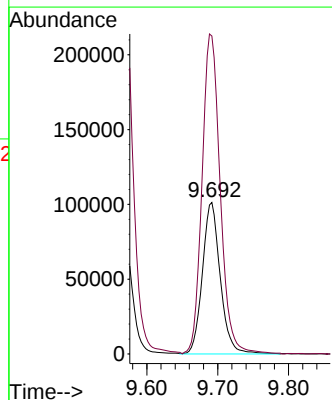
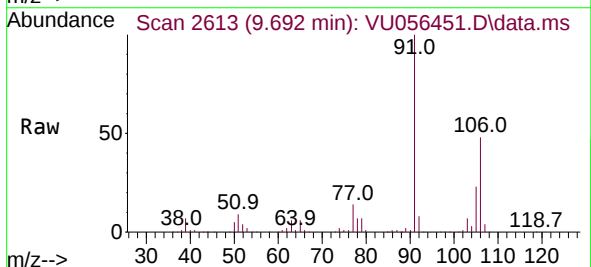
Instrument :
MSVOA_U
ClientSampleId :

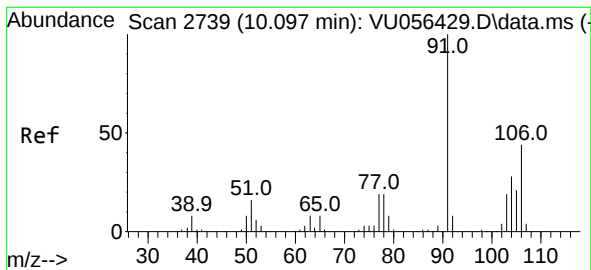
Tgt Ion: 91 Resp: 467088
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.1



#53
m,p-Xylene
Concen: 5.813 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Tgt Ion: 106 Resp: 177736
Ion Ratio Lower Upper
106 100
91 209.9 149.6 277.8

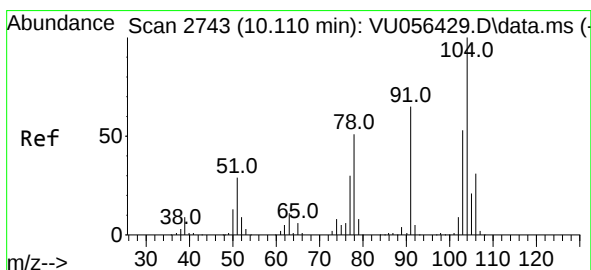
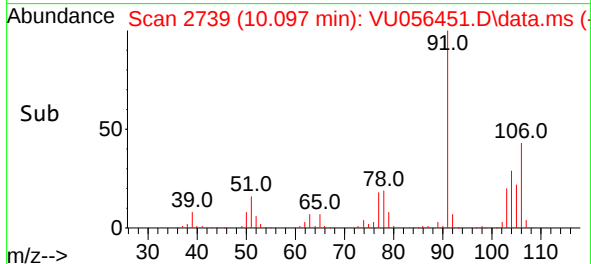
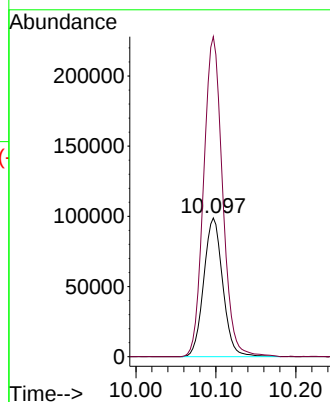
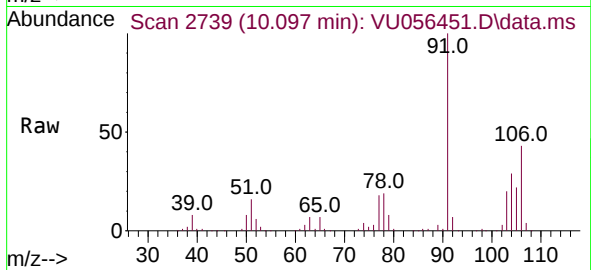




#54
o-Xylene
Concen: 5.529 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

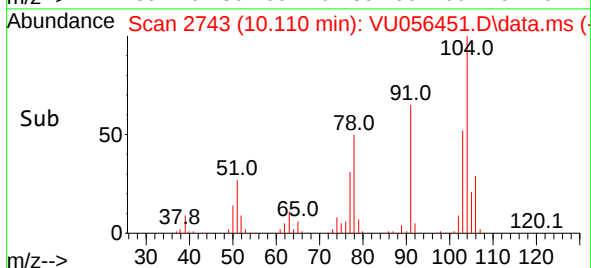
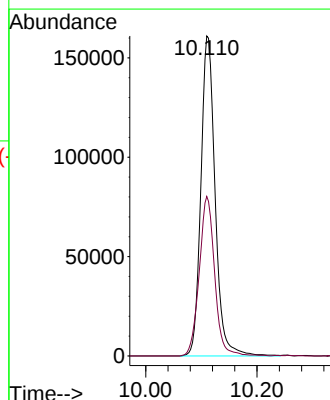
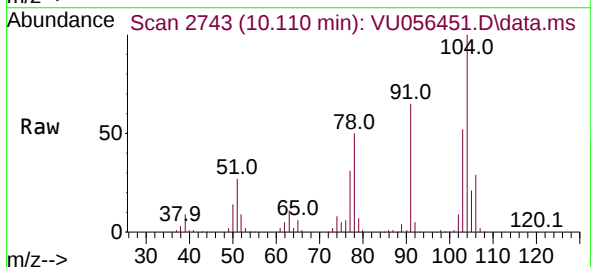
Instrument :
MSVOA_U
ClientSampleId :

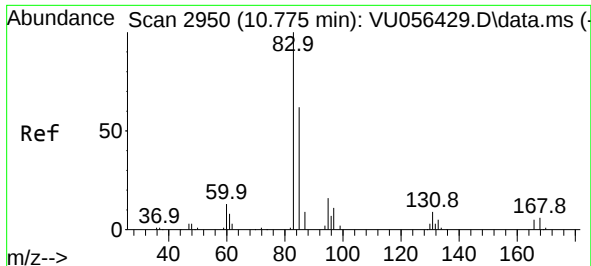
Tgt Ion:106 Resp: 164206
Ion Ratio Lower Upper
106 100
91 230.6 159.3 295.9



#55
Styrene
Concen: 5.805 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU056451.D
Acq: 17 Nov 2023 18:56

Tgt Ion:104 Resp: 286775
Ion Ratio Lower Upper
104 100
78 49.8 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.705 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

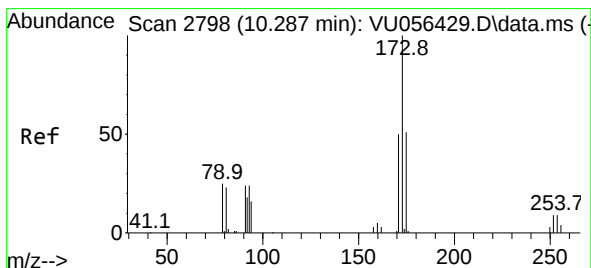
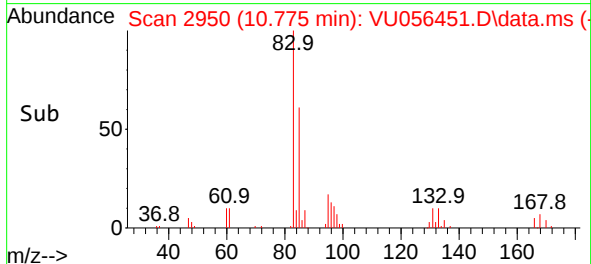
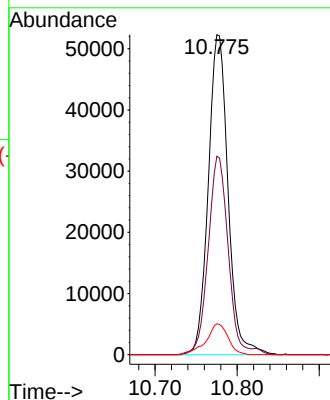
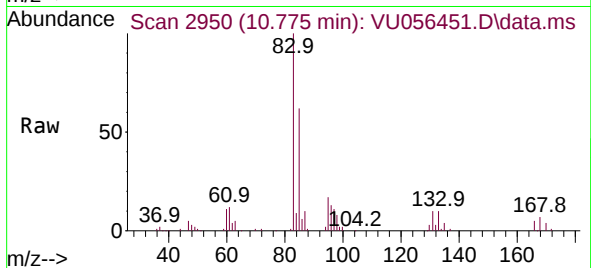
Tgt Ion: 83 Resp: 87521

Ion Ratio Lower Upper

83 100

85 62.0 46.3 86.1

131 9.7 6.7 10.1



#59

Bromoform

Concen: 5.726 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

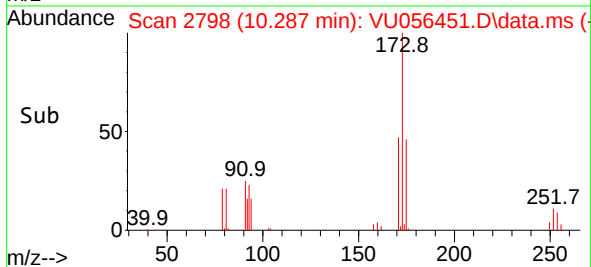
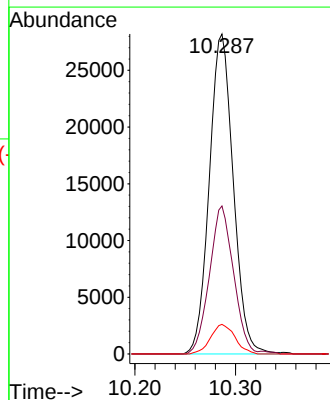
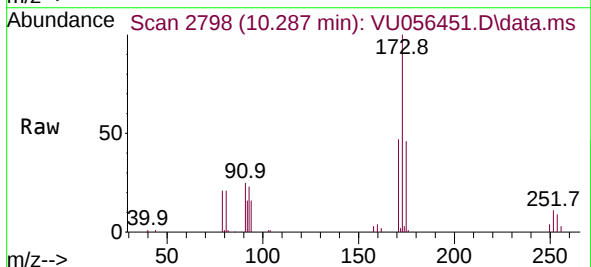
Tgt Ion:173 Resp: 46703

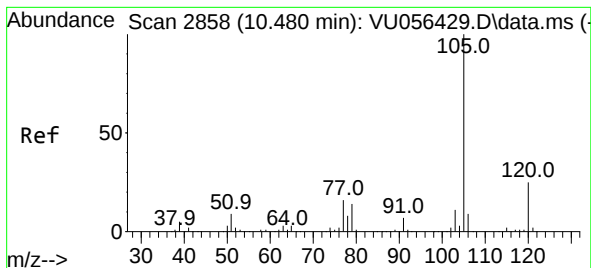
Ion Ratio Lower Upper

173 100

175 46.7 38.9 58.3

254 9.4 6.7 10.1





#60

Isopropylbenzene

Concen: 5.346 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

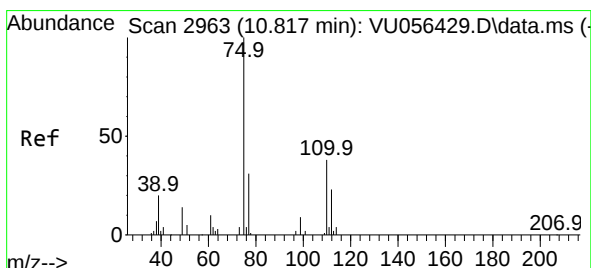
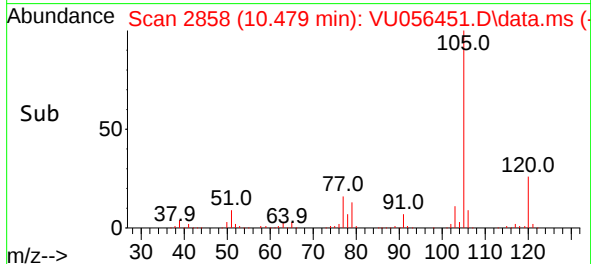
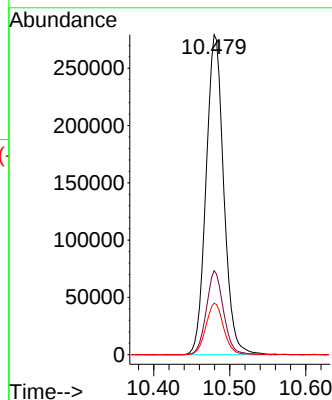
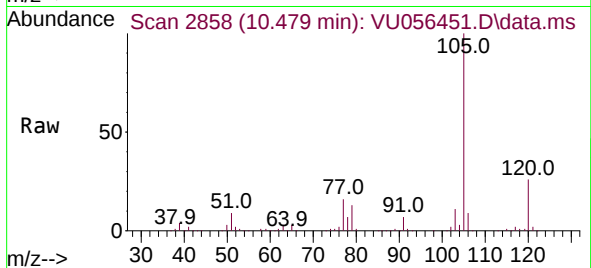
Tgt Ion:105 Resp: 451473

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

77 16.1 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.321 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

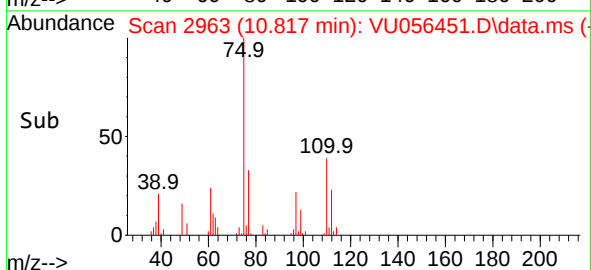
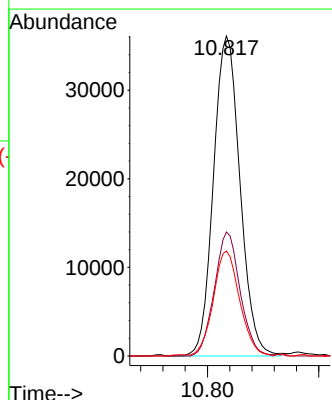
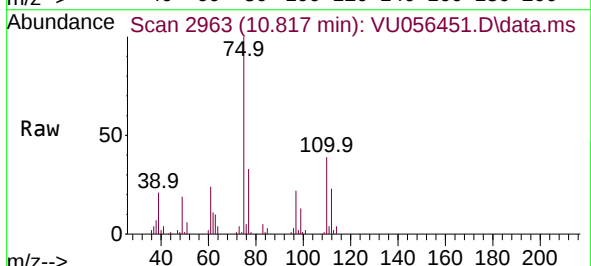
Tgt Ion: 75 Resp: 59777

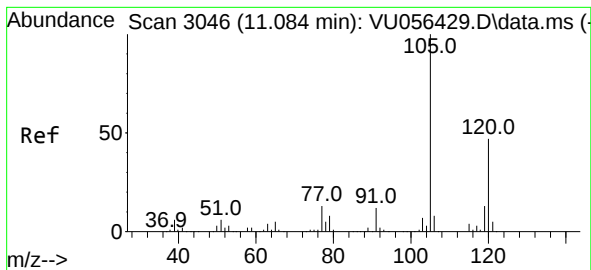
Ion Ratio Lower Upper

75 100

110 37.6 30.4 45.6

77 32.8 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.273 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

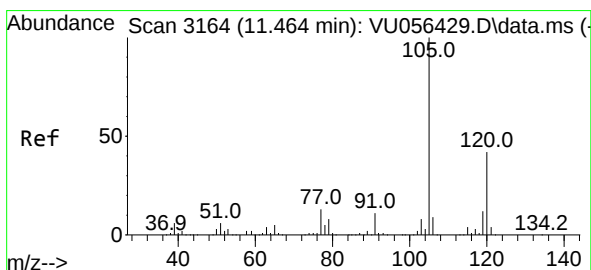
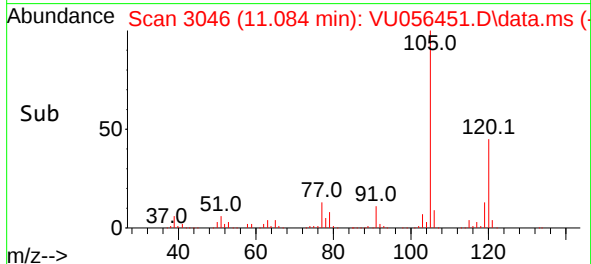
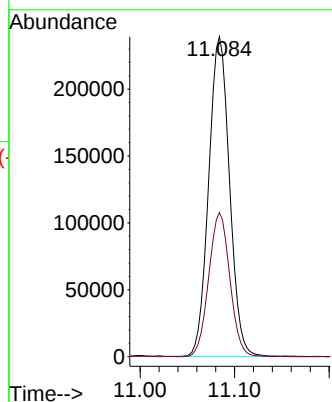
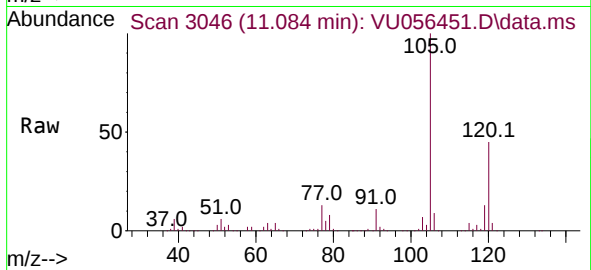
ClientSampleId :

Tgt Ion:105 Resp: 365583

Ion Ratio Lower Upper

105 100

120 45.7 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.325 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056451.D

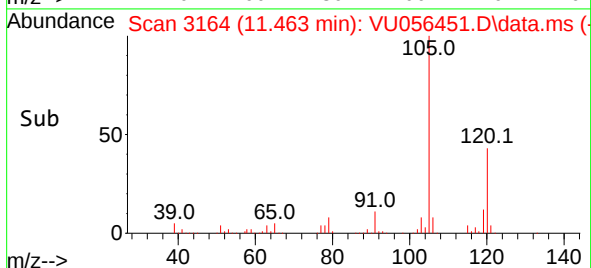
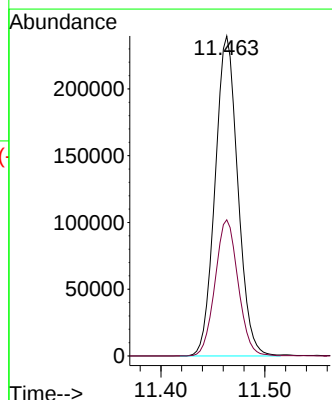
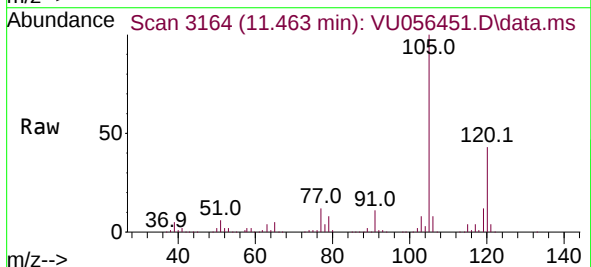
Acq: 17 Nov 2023 18:56

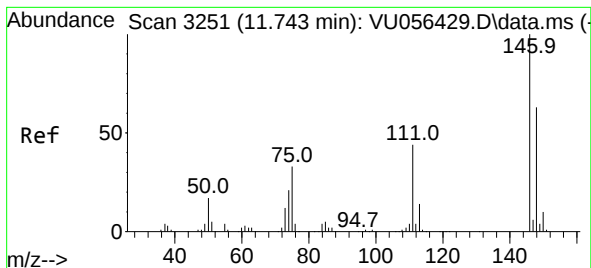
Tgt Ion:105 Resp: 364477

Ion Ratio Lower Upper

105 100

120 43.1 34.0 51.0





#64

1,3-Dichlorobenzene

Concen: 5.423 ug/L

RT: 11.743 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

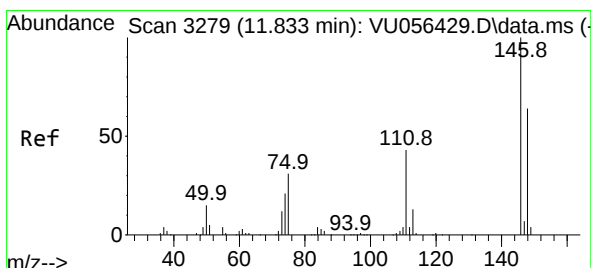
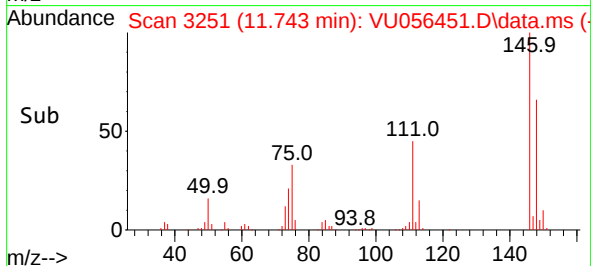
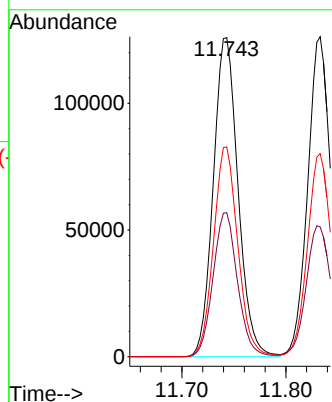
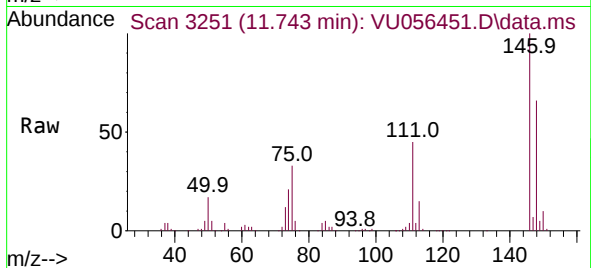
Tgt Ion:146 Resp: 208317

Ion Ratio Lower Upper

146 100

111 45.1 31.1 57.7

148 65.8 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 5.213 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

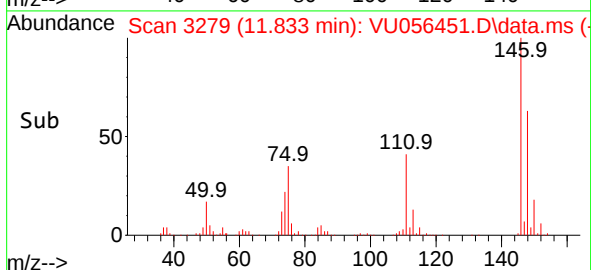
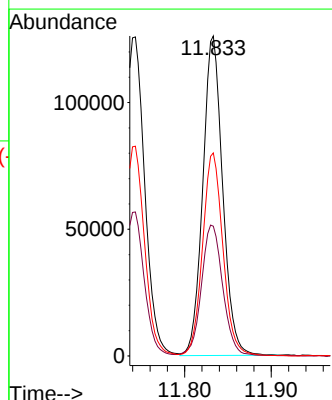
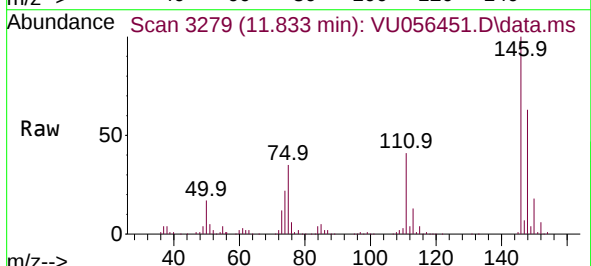
Tgt Ion:146 Resp: 200870

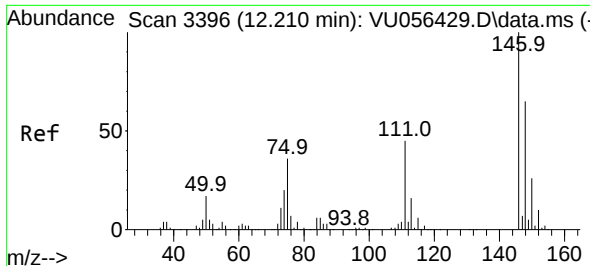
Ion Ratio Lower Upper

146 100

111 40.6 30.5 56.7

148 63.5 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.398 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

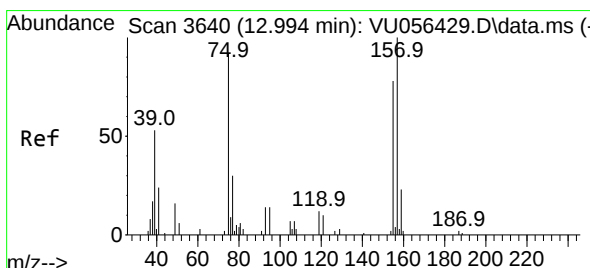
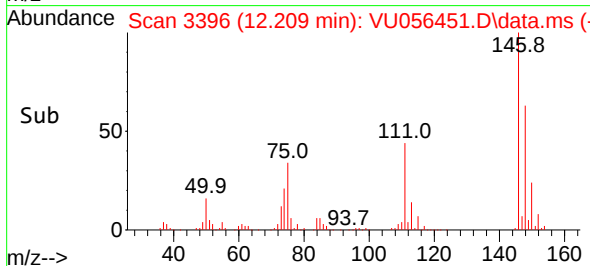
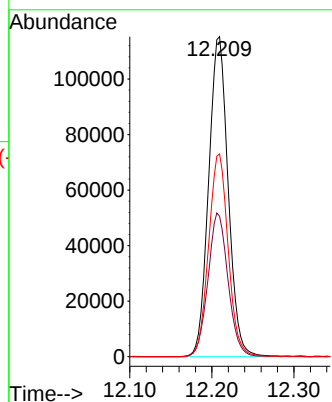
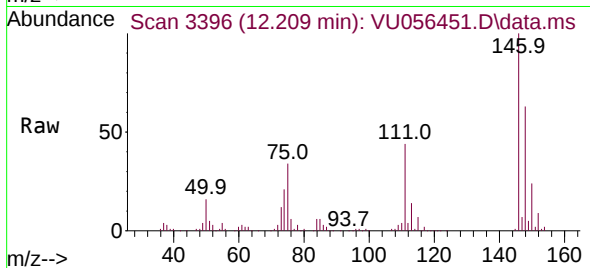
Tgt Ion:146 Resp: 190225

Ion Ratio Lower Upper

146 100

111 43.9 38.3 57.5

148 63.4 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.383 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

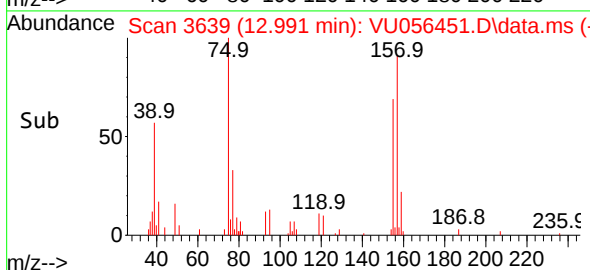
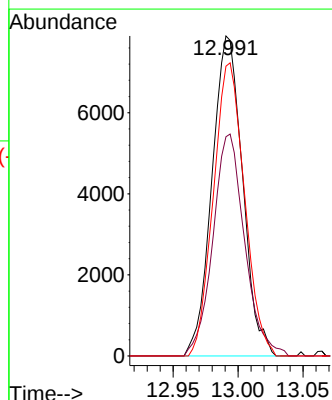
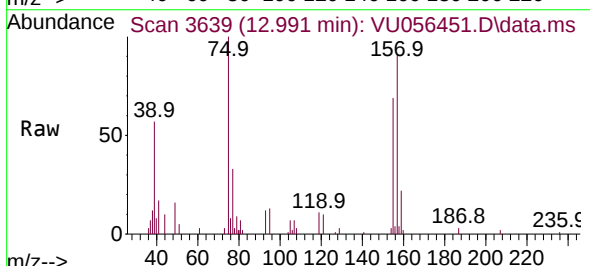
Tgt Ion: 75 Resp: 12917

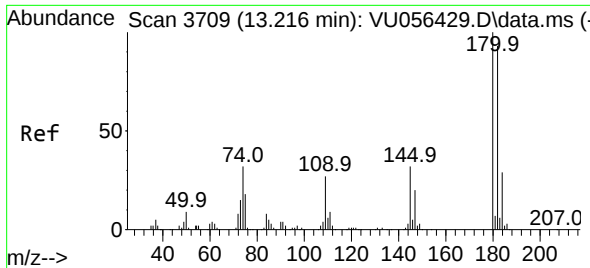
Ion Ratio Lower Upper

75 100

155 68.5 62.4 93.6

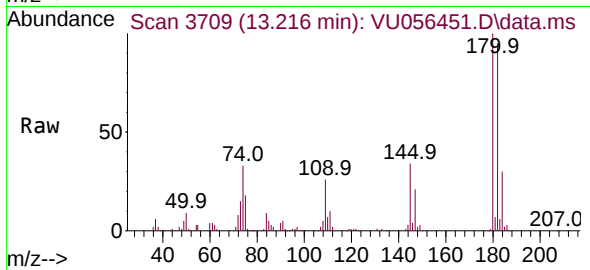
157 90.5 80.2 120.2



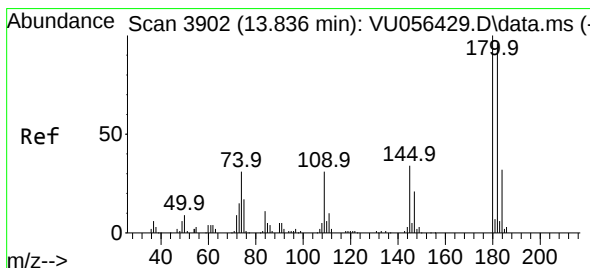
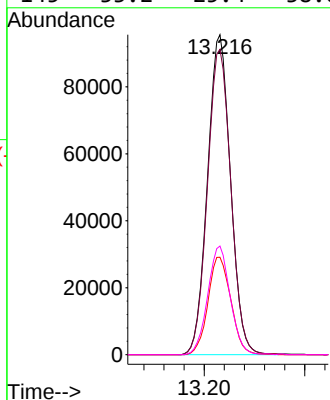
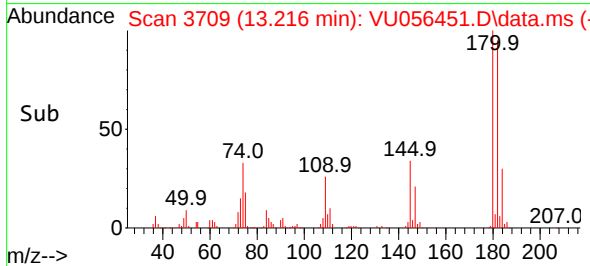


#69
 1,3,5-Trichlorobenzene
 Concen: 5.251 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56

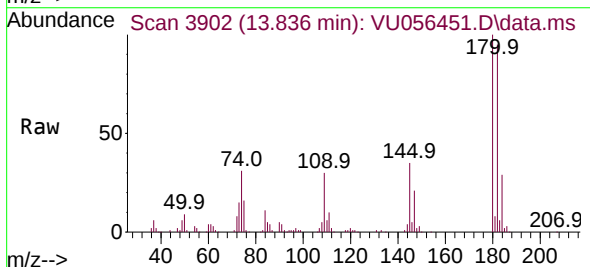
Instrument :
 MSVOA_U
 ClientSampleId :



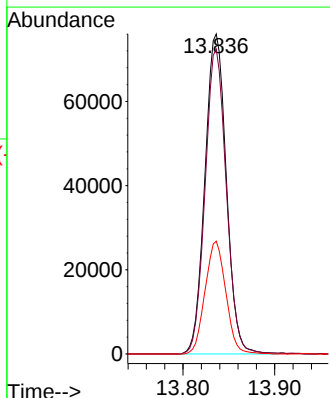
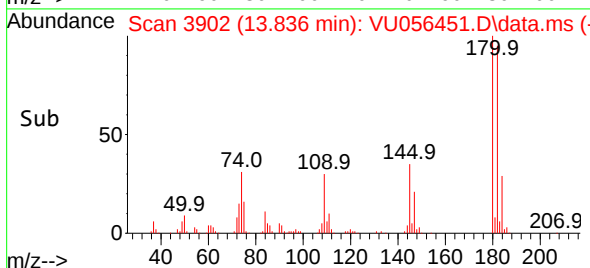
Tgt Ion:180 Resp: 151873
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.1 112.7
 184 30.4 23.5 35.3
 145 33.2 25.4 38.0

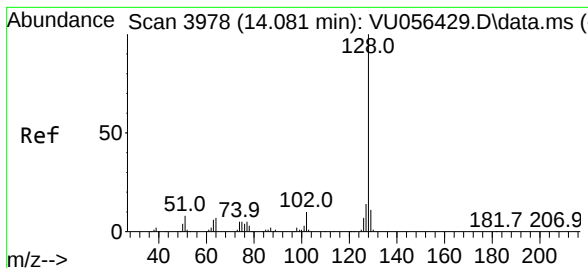


#70
 1,2,4-trichlorobenzene
 Concen: 5.242 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056451.D
 Acq: 17 Nov 2023 18:56



Tgt Ion:180 Resp: 123467
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.2
 145 34.1 26.8 40.2





#71

Naphthalene

Concen: 4.917 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Instrument :

MSVOA_U

ClientSampleId :

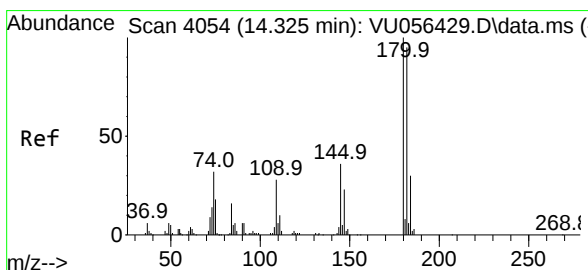
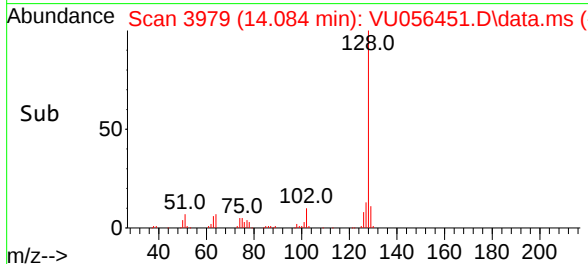
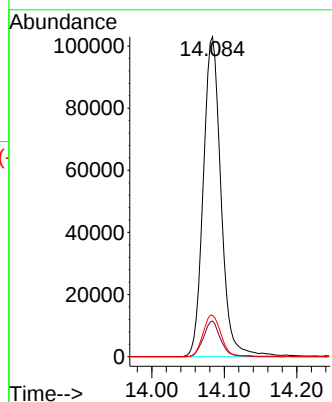
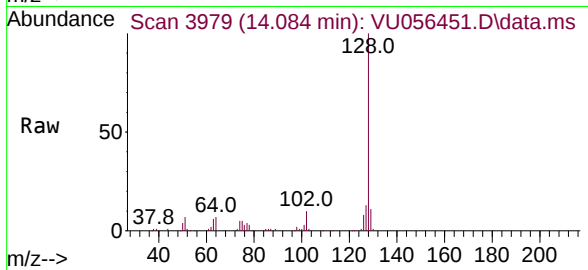
Tgt Ion:128 Resp: 174988

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.4 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.256 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU056451.D

Acq: 17 Nov 2023 18:56

Tgt Ion:180 Resp: 101994

Ion Ratio Lower Upper

180 100

182 96.8 78.6 117.8

145 36.6 29.0 43.6

