

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056851.D
 Acq On : 14 Dec 2023 20:56
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:56:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 00:49:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	254169	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	252444	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127509	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	84332	3.871	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.907	69	71646	4.395	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.563	65	38050	4.082	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	4.618	46	230830	53.650	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.300%
24) Chloroform-d	5.058	84	205934	4.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.695	65	95233	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.724	84	368310	4.704	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.685	67	118959	4.854	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.894	98	323585	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.177	79	44936	4.728	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.631	63	189215	52.785	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.580%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	92902	5.239	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	116129	4.633	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	139284	5.230	ug/L	97
3) Chloromethane	1.515	50	142275	5.433	ug/L	99
5) Vinyl chloride	1.602	62	143649	5.524	ug/L	98
6) Bromomethane	1.853	94	78308	5.107	ug/L	96
8) Chloroethane	1.930	64	81928	5.378	ug/L	97
9) Trichlorofluoromethane	2.136	101	195050	5.322	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	121680	5.413	ug/L	98
12) 1,1-Dichloroethene	2.576	96	107824	5.225	ug/L	90
13) Acetone	2.628	43	134368	51.246	ug/L	100
14) Carbon disulfide	2.788	76	361376	5.047	ug/L	100
15) Methyl Acetate	2.946	43	37990	5.323	ug/L	95
16) Methylene chloride	3.039	84	122020	5.428	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	232688	5.085	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	114099	5.454	ug/L	97
19) 1,1-Dichloroethane	3.862	63	216113	5.370	ug/L	99
21) 2-Butanone	4.698	43	221100	50.003	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	119373	5.245	ug/L	98
23) Bromochloromethane	4.968	128	51646	5.420	ug/L	91
25) Chloroform	5.081	83	227377	5.393	ug/L	99

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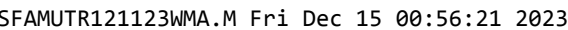
Instrument :
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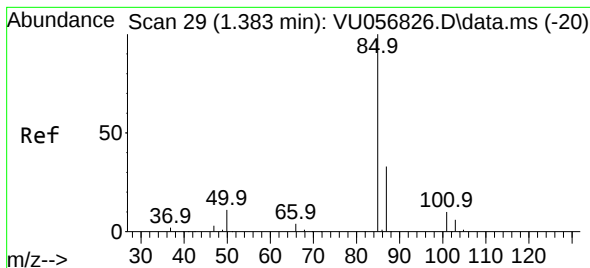
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	125898	5.049	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	193446	5.301	ug/L	99
30) Cyclohexane	5.383	56	175905	5.136	ug/L	100
31) Carbon tetrachloride	5.518	117	167026	5.266	ug/L	98
33) Benzene	5.769	78	472774	5.329	ug/L	100
34) Trichloroethene	6.538	95	126622	5.203	ug/L	99
35) Methylcyclohexane	6.759	83	183563	5.111	ug/L	98
37) 1,2-Dichloropropane	6.785	63	121219	5.341	ug/L	100
38) Bromodichloromethane	7.100	83	150867	5.213	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	165772	5.012	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	556221	51.614	ug/L	100
42) Toluene	7.965	91	497712	5.422	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	135703	5.006	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	81729	5.327	ug/L	97
47) Tetrachloroethene	8.550	164	90869	5.335	ug/L	97
48) 2-Hexanone	8.679	43	411039	53.554	ug/L	98
49) Dibromochloromethane	8.804	129	92374	5.238	ug/L	99
50) 1,2-Dibromoethane	8.920	107	74935	5.262	ug/L	99
51) Chlorobenzene	9.444	112	308759	5.277	ug/L	98
52) Ethylbenzene	9.566	91	524593	5.180	ug/L	100
53) m,p-Xylene	9.692	106	202191	5.359	ug/L	97
54) o-Xylene	10.097	106	189401	5.269	ug/L	98
55) Styrene	10.113	104	320344	5.428	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	97447	5.257	ug/L	98
59) Bromoform	10.287	173	52022	4.997	ug/L	99
60) Isopropylbenzene	10.479	105	510609	5.069	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	68188	4.980	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	409843	4.978	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	411778	5.035	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	241344	5.064	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	233014	4.966	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	219846	5.064	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	12692	4.643	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	167950	4.664	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	119902	4.205	ug/L	98
71) Naphthalene	14.084	128	149056	3.572	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	97202	4.015	ug/L	98

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

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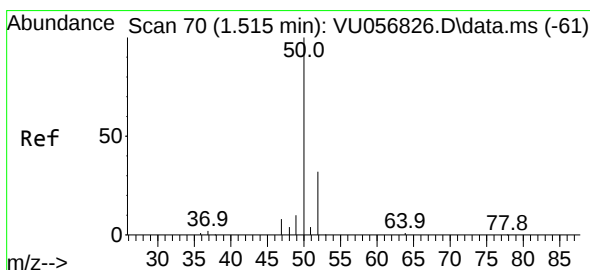
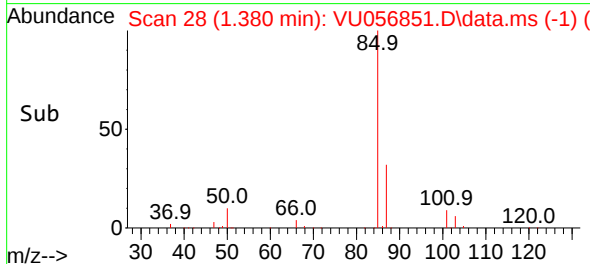
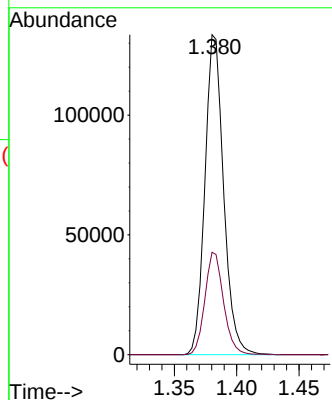
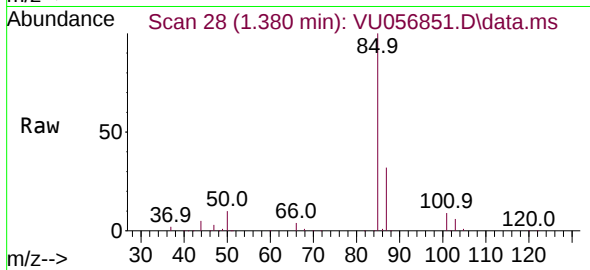




#2
 Dichlorodifluoromethane
 Concen: 5.230 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

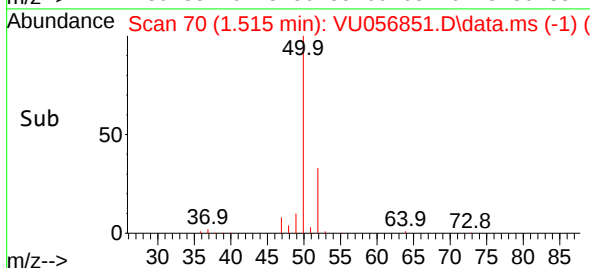
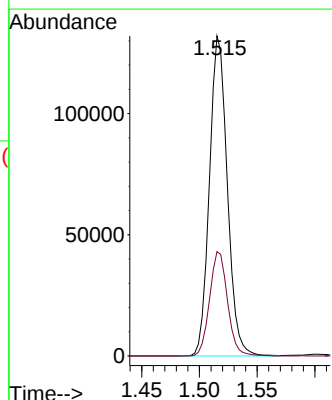
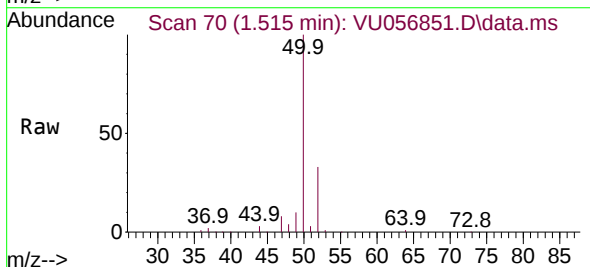
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 ClientSampleId :

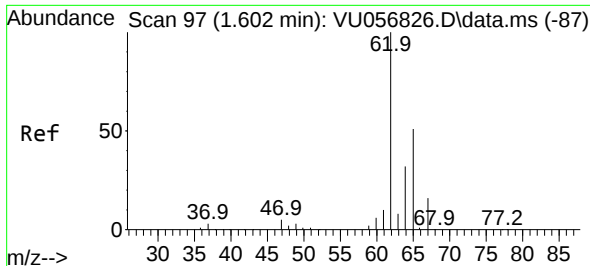
Tgt Ion: 85 Resp: 139284
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.8 40.2



#3
 Chloromethane
 Concen: 5.433 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

Tgt Ion: 50 Resp: 142275
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.7

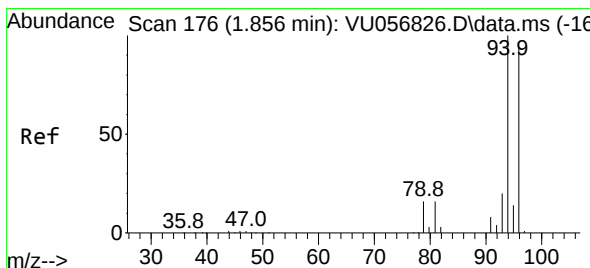
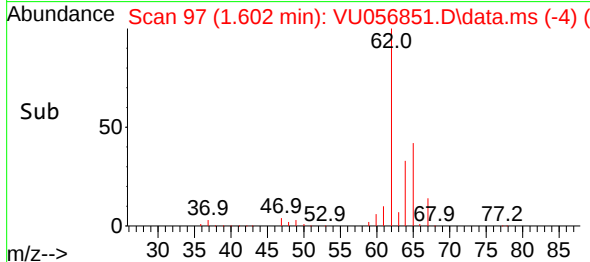
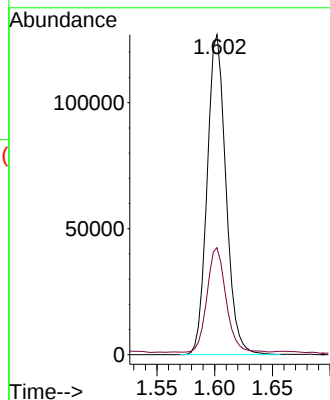
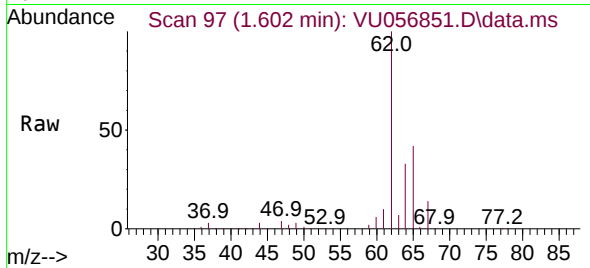




#5
 Vinyl chloride
 Concen: 5.524 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

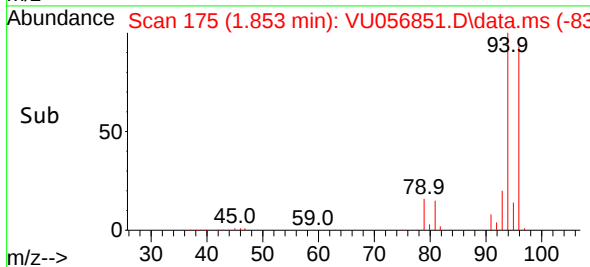
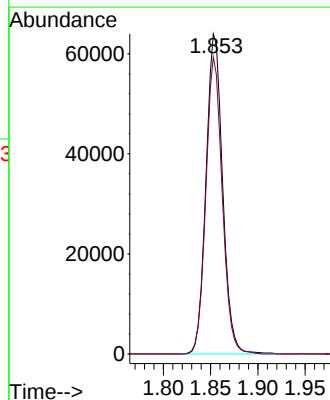
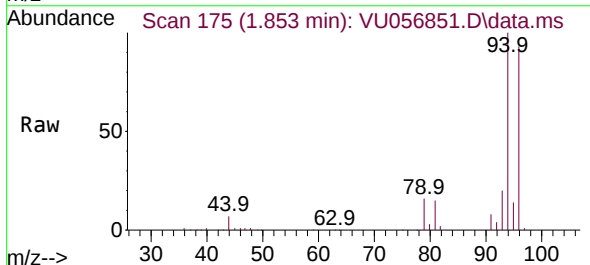
Instrument :
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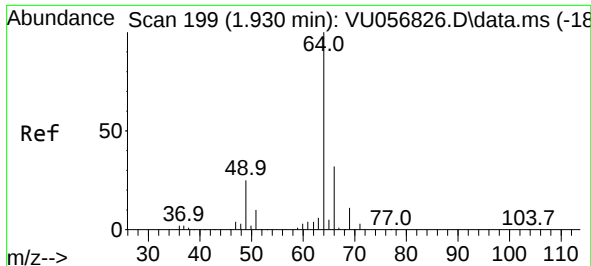
Tgt Ion: 62 Resp: 143649
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.8 42.4



#6
 Bromomethane
 Concen: 5.107 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

Tgt Ion: 94 Resp: 78308
 Ion Ratio Lower Upper
 94 100
 96 92.8 67.8 125.8

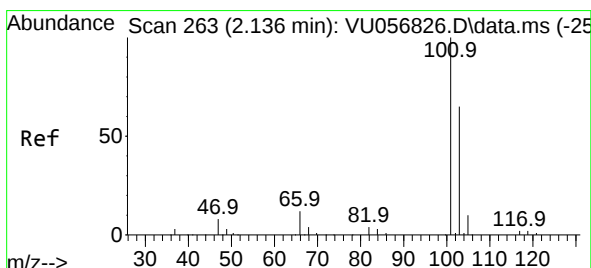
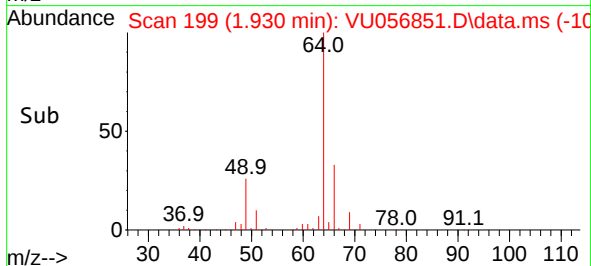
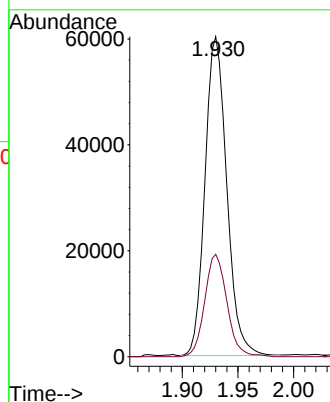
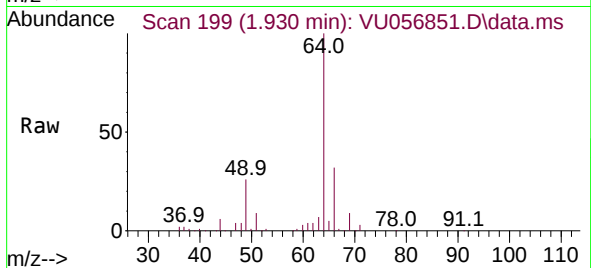




#8
Chloroethane
Concen: 5.378 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

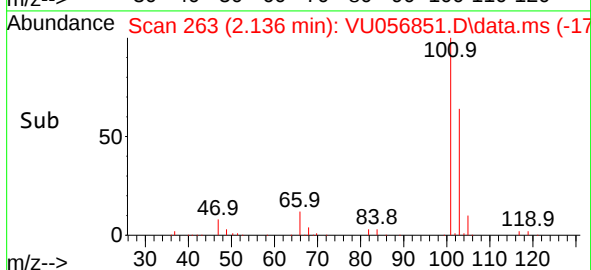
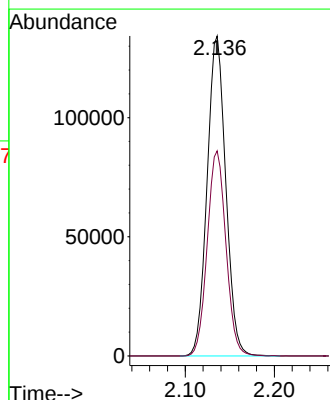
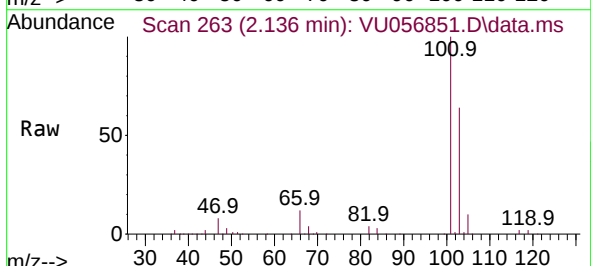
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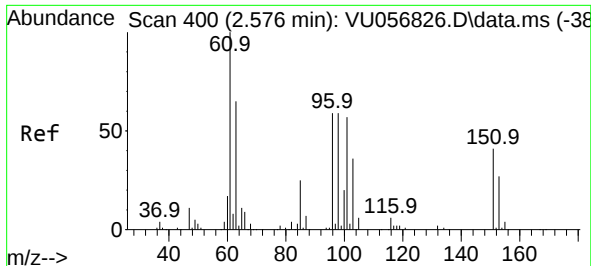
Tgt Ion: 64 Resp: 81928
Ion Ratio Lower Upper
64 100
66 32.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.322 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion:101 Resp: 195050
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

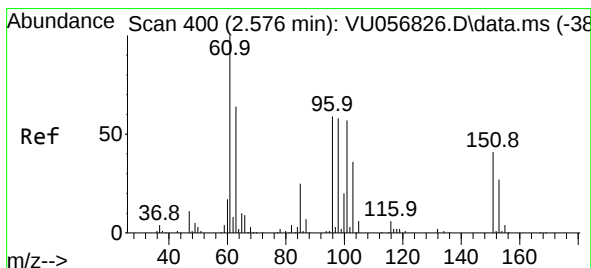
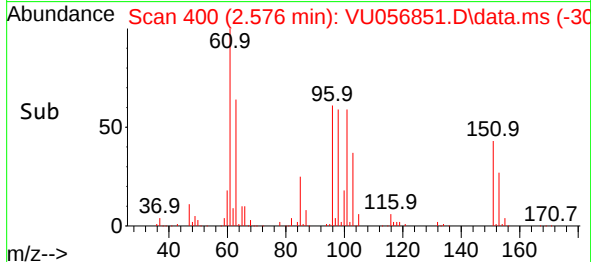
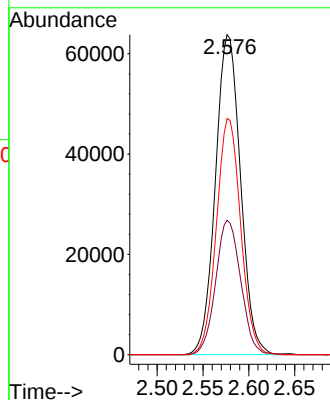
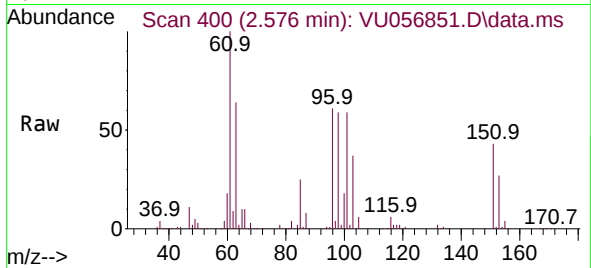




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.413 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

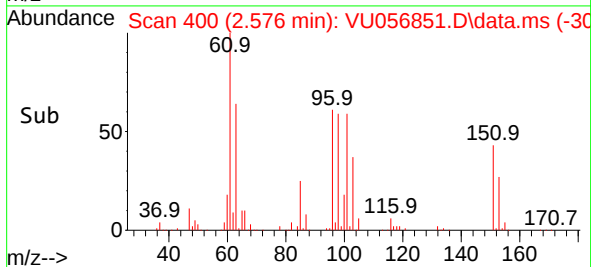
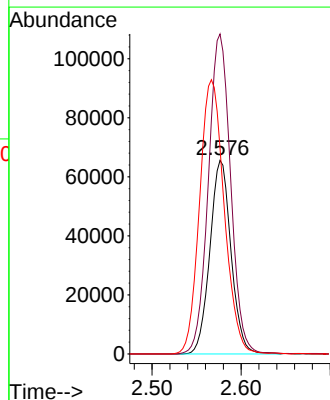
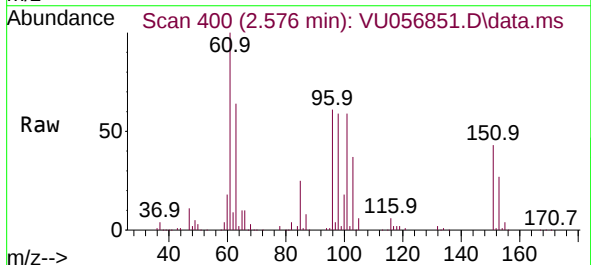
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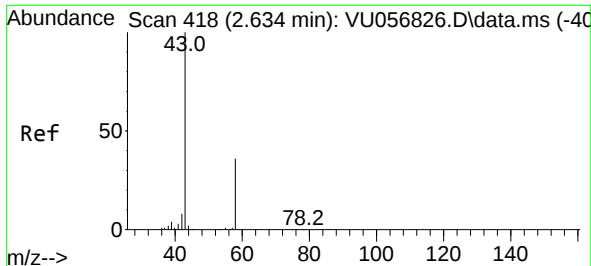
Tgt Ion:101 Resp: 121680
 Ion Ratio Lower Upper
 101 100
 85 41.8 35.2 52.8
 151 71.4 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 5.225 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

Tgt Ion: 96 Resp: 107824
 Ion Ratio Lower Upper
 96 100
 61 165.3 119.0 221.0
 63 106.3 88.7 164.7





#13

Acetone

Concen: 51.246 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

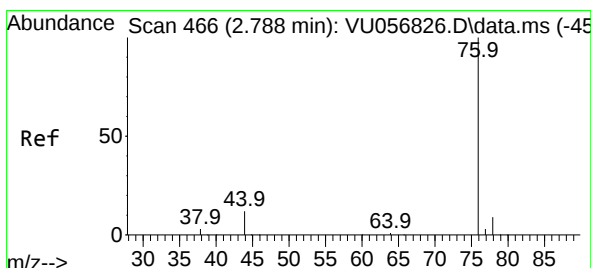
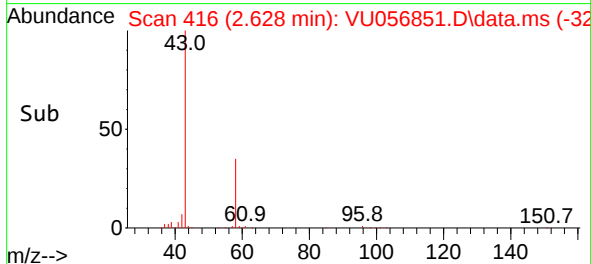
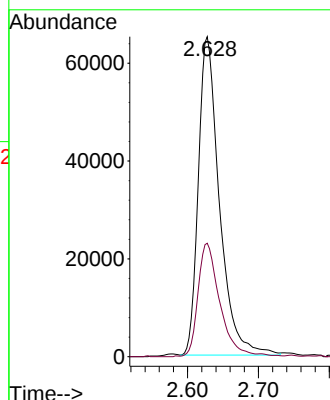
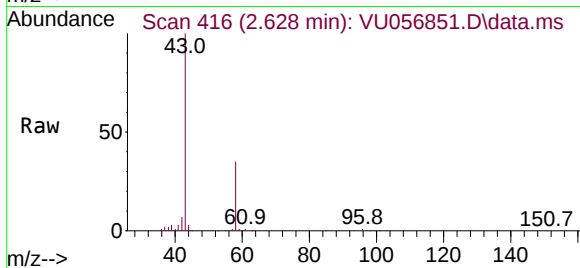
ClientSampleId :

Tgt Ion: 43 Resp: 134368

Ion Ratio Lower Upper

43 100

58 36.5 0.0 72.6



#14

Carbon disulfide

Concen: 5.047 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056851.D

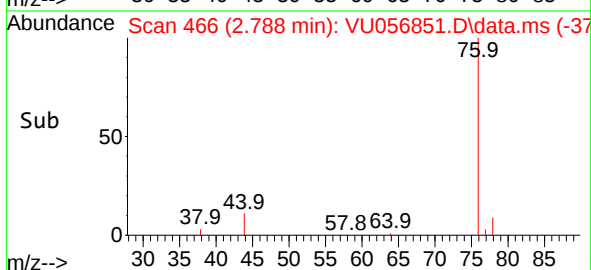
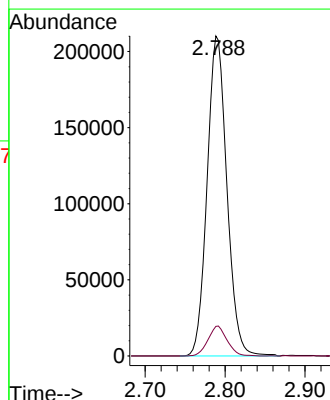
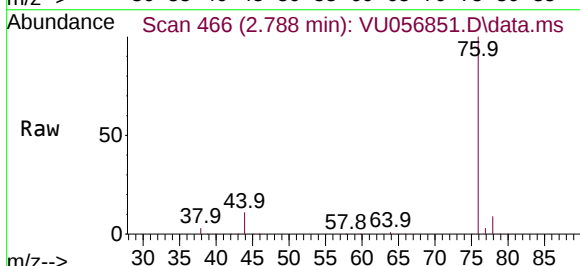
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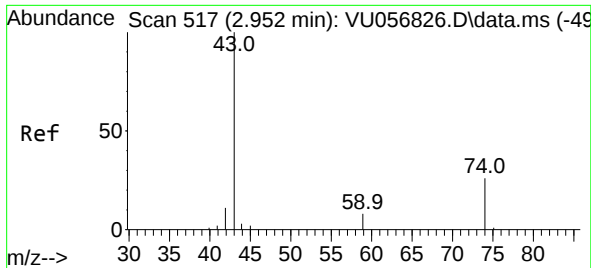
Tgt Ion: 76 Resp: 361376

Ion Ratio Lower Upper

76 100

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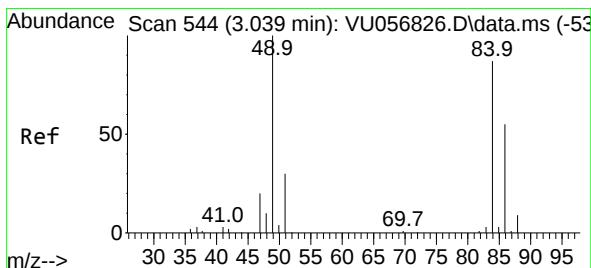
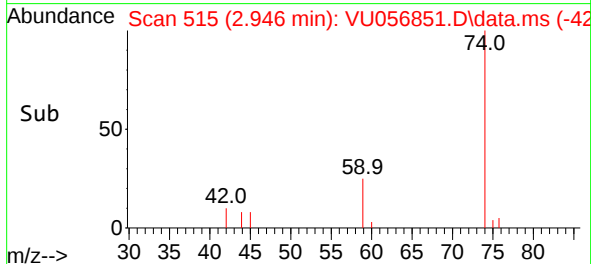
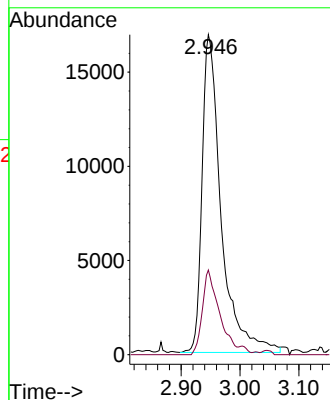
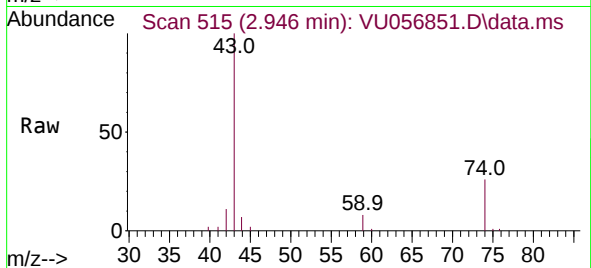




#15
Methyl Acetate
Concen: 5.323 ug/L
RT: 2.946 min Scan# 517
Delta R.T. -0.006 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

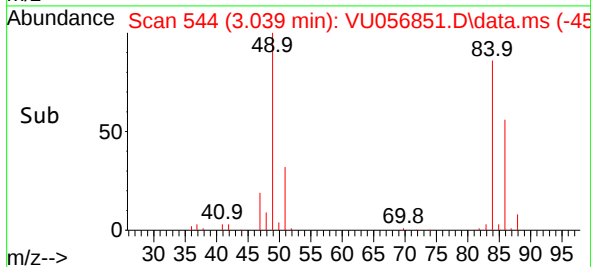
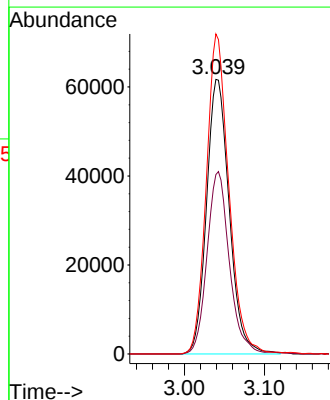
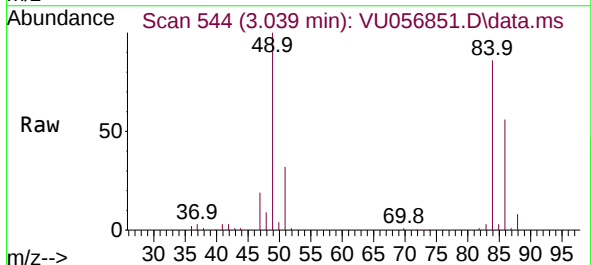
Instrument :
MSVOA_U
ClientSampleId :

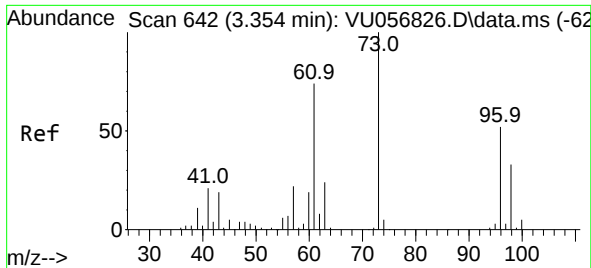
Tgt Ion: 43 Resp: 37990
Ion Ratio Lower Upper
43 100
74 23.7 21.0 31.6



#16
Methylene chloride
Concen: 5.428 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion: 84 Resp: 122020
Ion Ratio Lower Upper
84 100
86 65.3 43.6 81.0
49 116.5 80.6 149.6

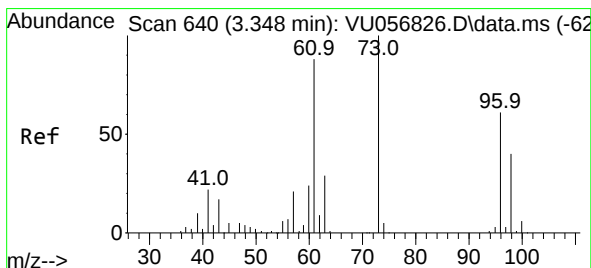
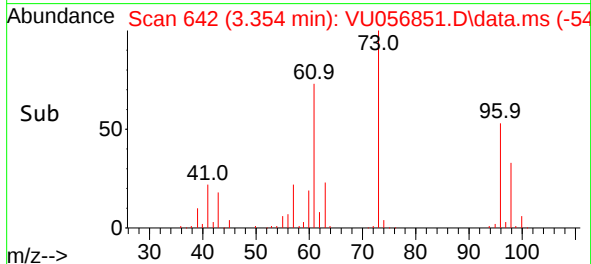
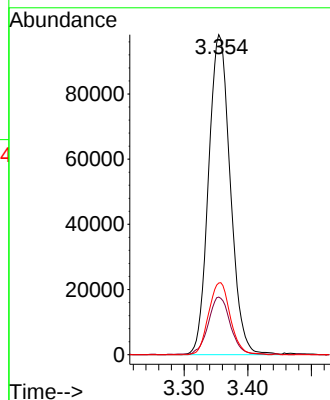
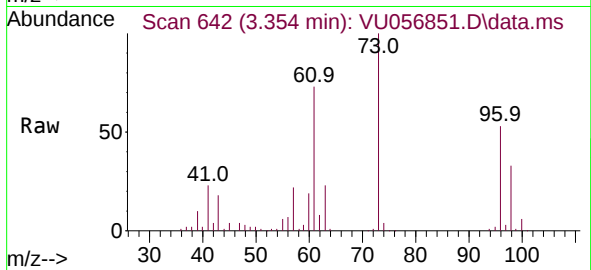




#17
Methyl tert-butyl Ether
Concen: 5.085 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

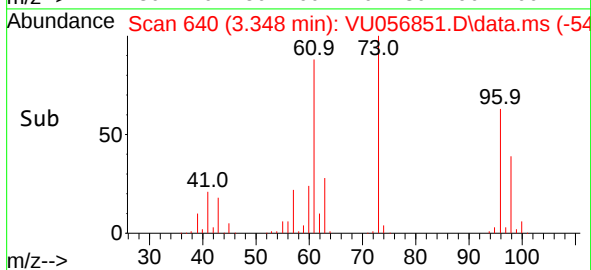
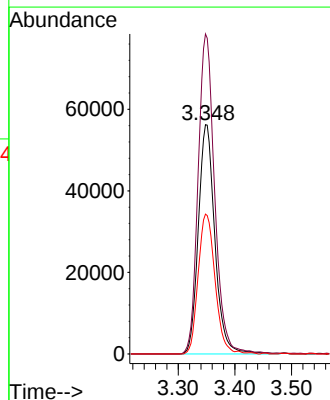
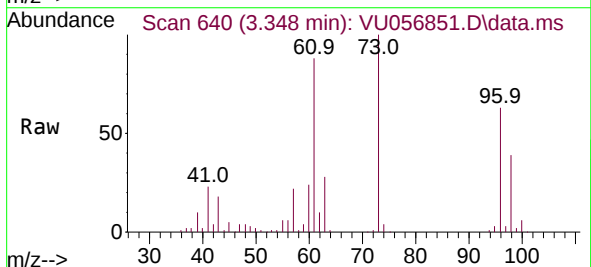
Instrument :
MSVOA_U
ClientSampleId :

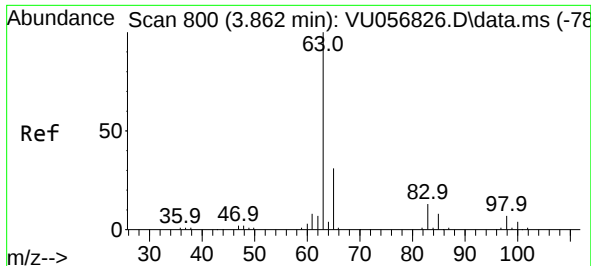
Tgt Ion: 73 Resp: 232688
Ion Ratio Lower Upper
73 100
43 17.9 14.4 21.6
57 22.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.454 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion: 96 Resp: 114099
Ion Ratio Lower Upper
96 100
61 139.5 101.8 189.0
98 61.0 43.0 79.8





#19

1,1-Dichloroethane

Concen: 5.370 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

ClientSampleId :

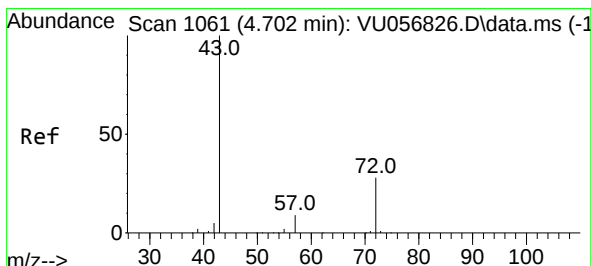
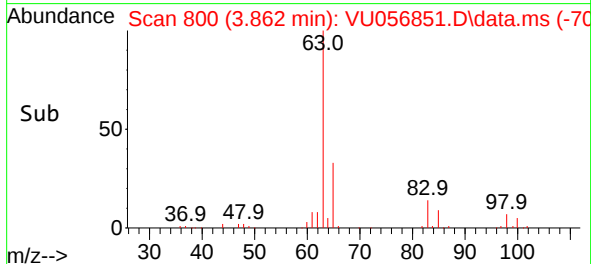
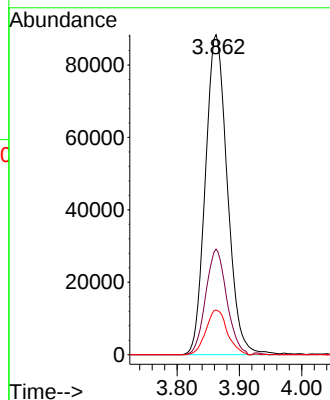
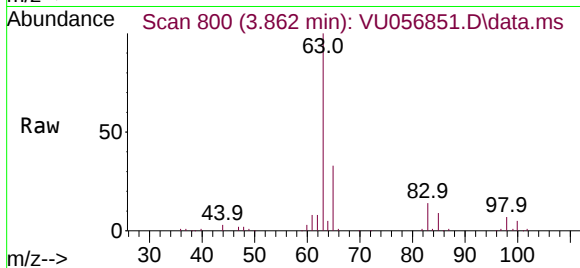
Tgt Ion: 63 Resp: 216113

Ion Ratio Lower Upper

63 100

65 33.0 22.9 42.5

83 14.0 10.1 18.9



#21

2-Butanone

Concen: 50.003 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.003 min

Lab File: VU056851.D

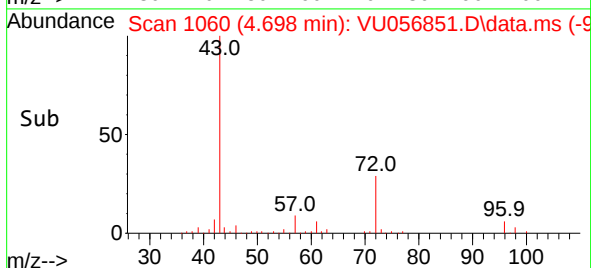
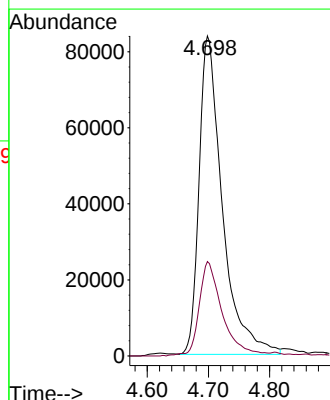
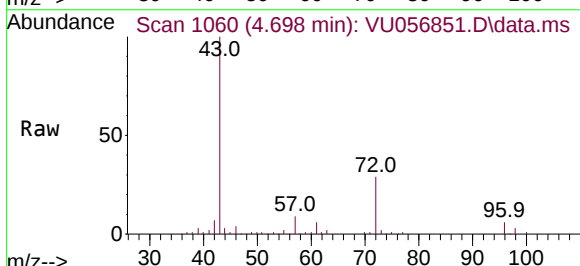
Acq: 14 Dec 2023 20:56

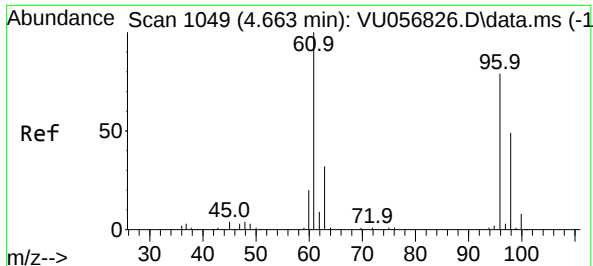
Tgt Ion: 43 Resp: 221100

Ion Ratio Lower Upper

43 100

72 29.5 14.6 43.8

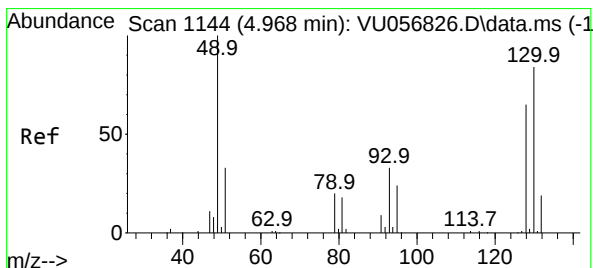
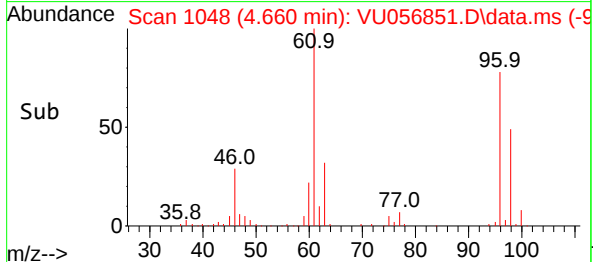
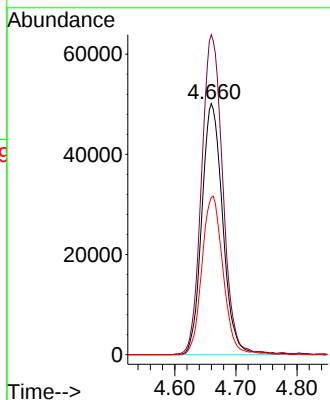
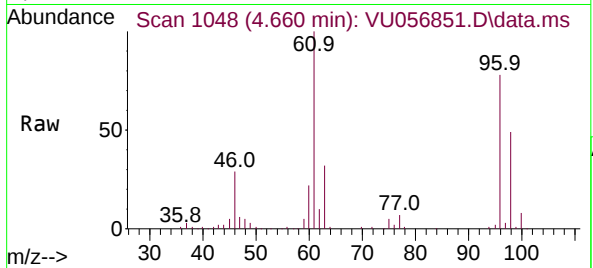




#22
 cis-1,2-Dichloroethene
 Concen: 5.245 ug/L
 RT: 4.660 min Scan# 1049
 Delta R.T. -0.003 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

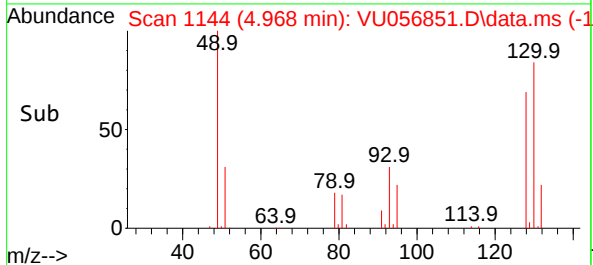
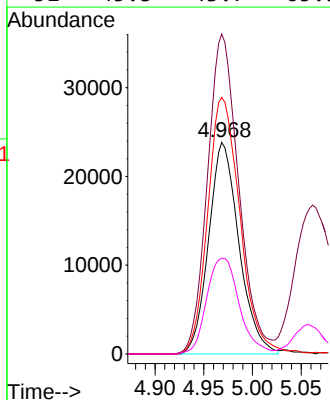
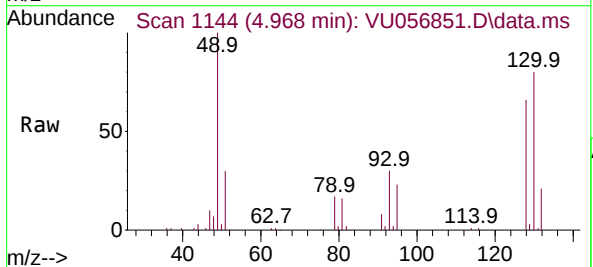
Instrument :
 MSVOA_U
 ClientSampleId :

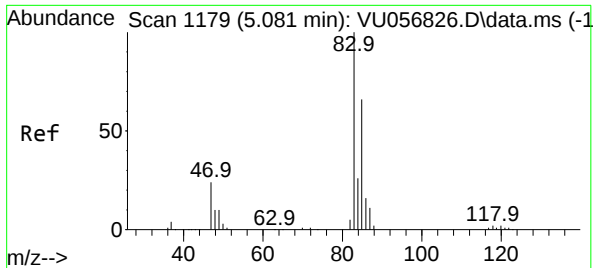
Tgt Ion: 96 Resp: 119373
 Ion Ratio Lower Upper
 96 100
 61 127.4 91.3 169.6
 98 62.6 44.2 82.0



#23
 Bromochloromethane
 Concen: 5.420 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

Tgt Ion: 128 Resp: 51646
 Ion Ratio Lower Upper
 128 100
 49 151.3 113.8 211.3
 130 121.2 90.6 168.3
 51 45.3 43.7 65.5





#25

Chloroform

Concen: 5.393 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

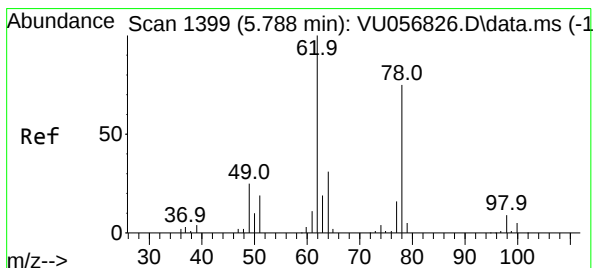
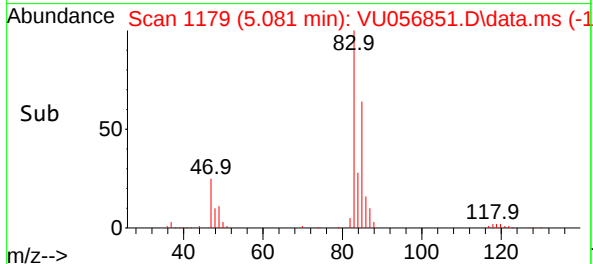
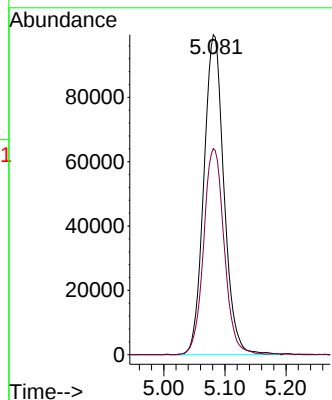
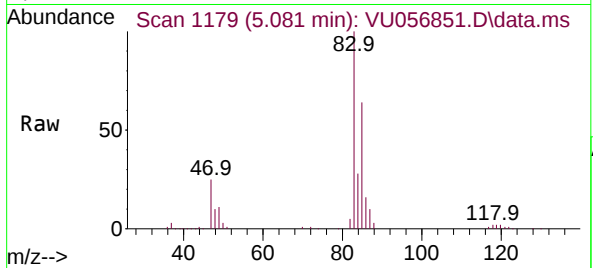
ClientSampleId :

Tgt Ion: 83 Resp: 227377

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 5.049 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056851.D

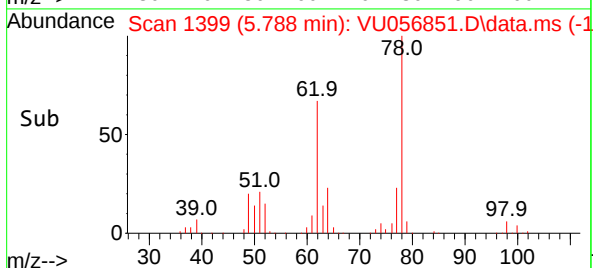
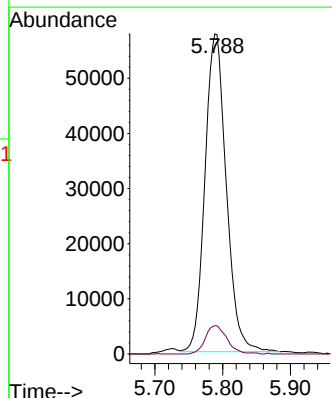
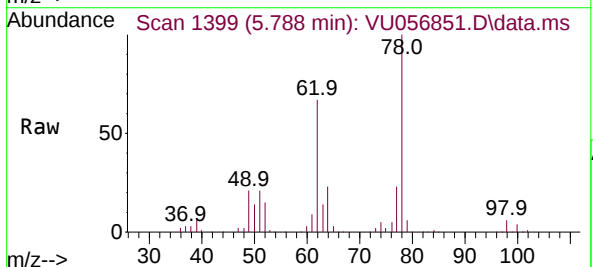
Acq: 14 Dec 2023 20:56

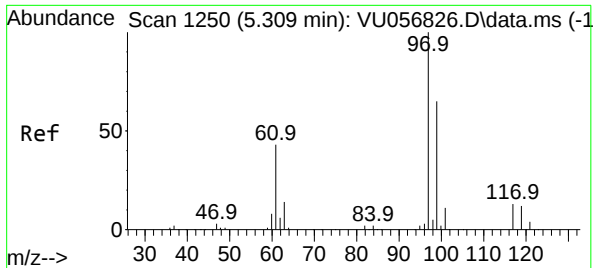
Tgt Ion: 62 Resp: 125898

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.6

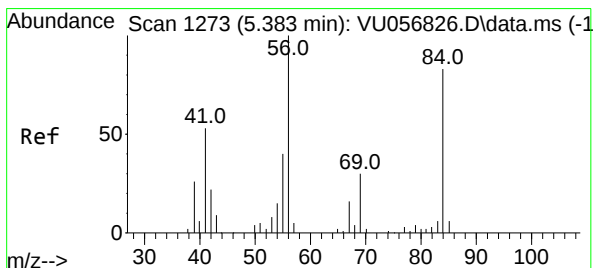
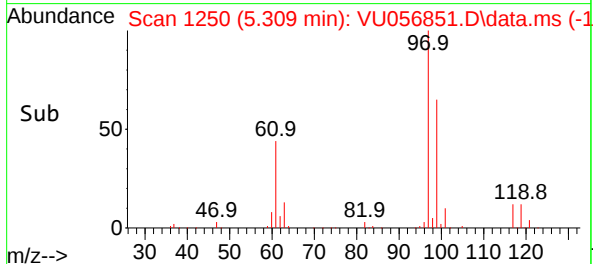
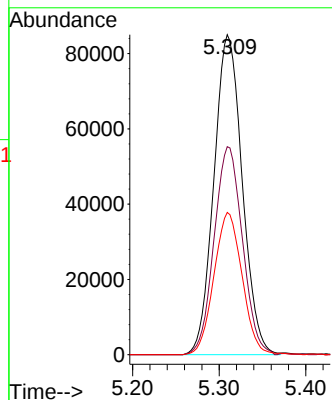
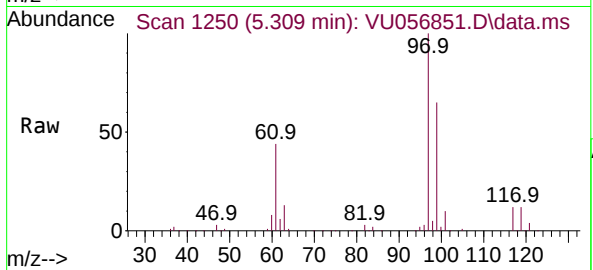




#29
1,1,1-Trichloroethane
Concen: 5.301 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

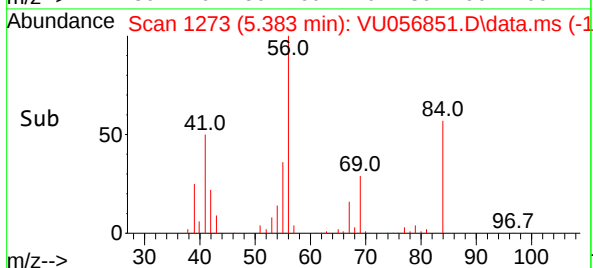
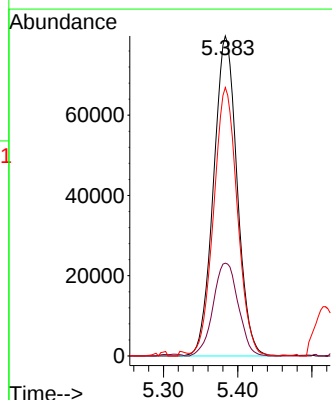
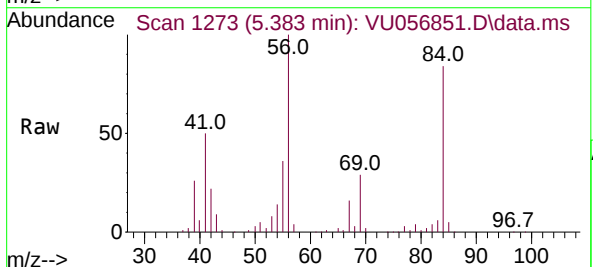
Instrument :
MSVOA_U
ClientSampleId :

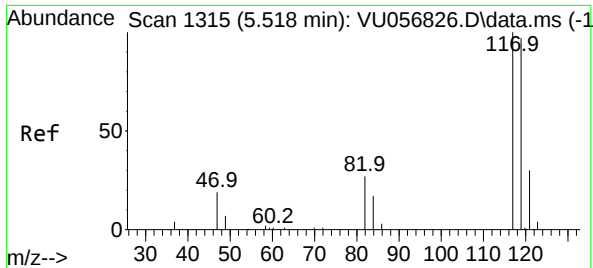
Tgt Ion: 97 Resp: 193446
Ion Ratio Lower Upper
97 100
99 64.9 52.5 78.7
61 44.2 34.2 51.2



#30
Cyclohexane
Concen: 5.136 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion: 56 Resp: 175905
Ion Ratio Lower Upper
56 100
69 30.9 24.9 37.3
84 84.5 67.6 101.4

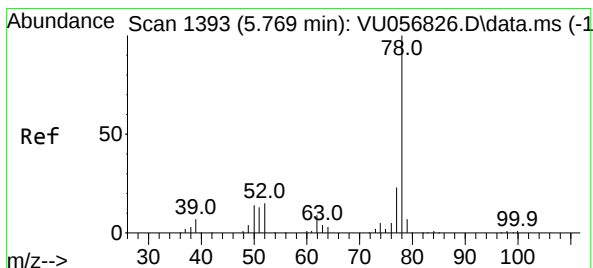
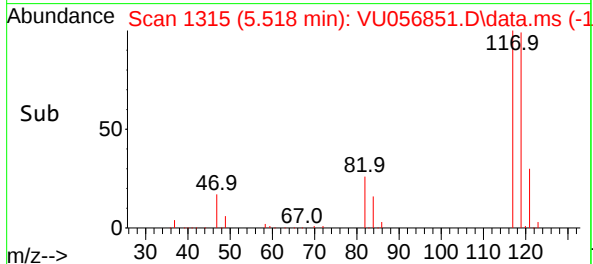
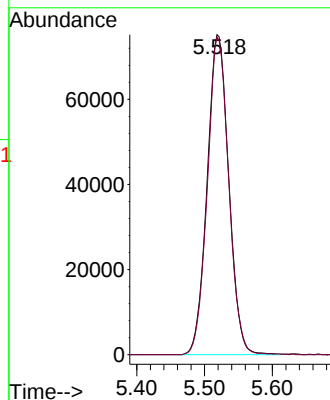
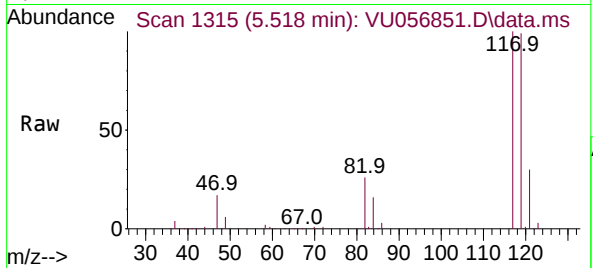




#31
Carbon tetrachloride
Concen: 5.266 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

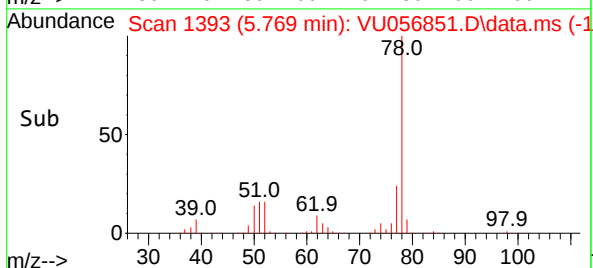
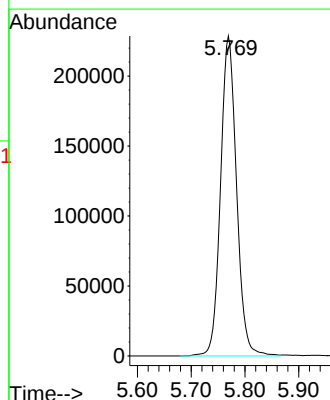
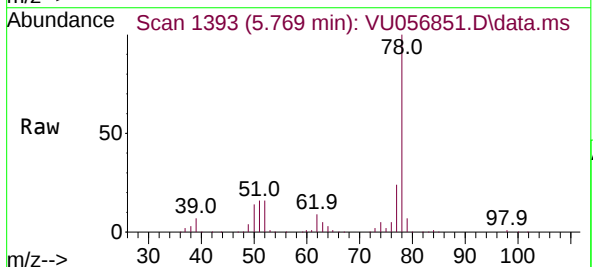
Instrument :
MSVOA_U
ClientSampleId :

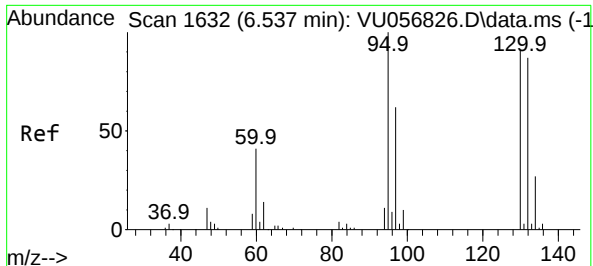
Tgt Ion:117 Resp: 167026
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.4



#33
Benzene
Concen: 5.329 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion: 78 Resp: 472774

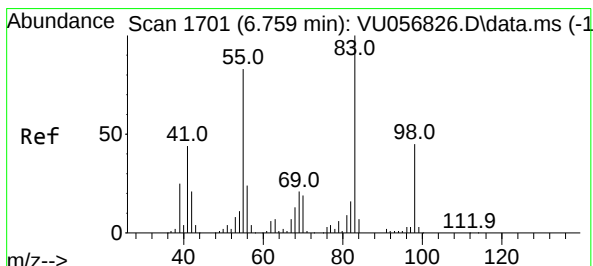
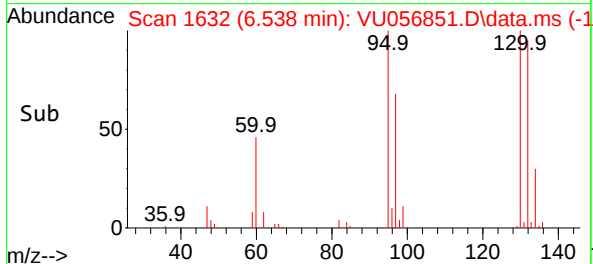
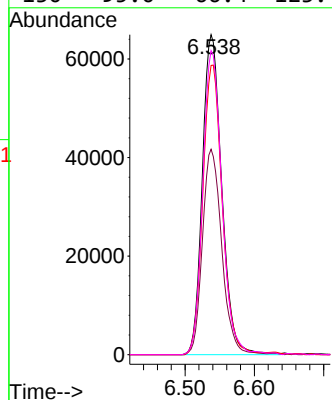
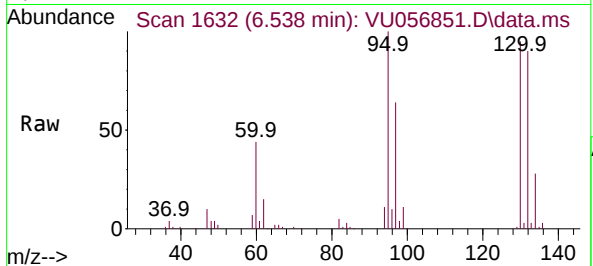




#34
Trichloroethene
Concen: 5.203 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

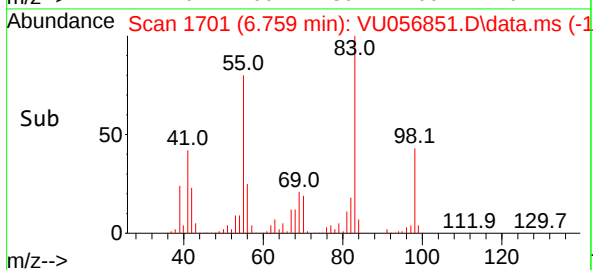
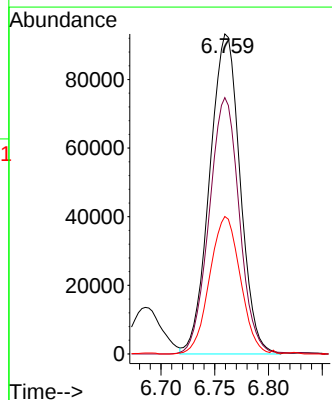
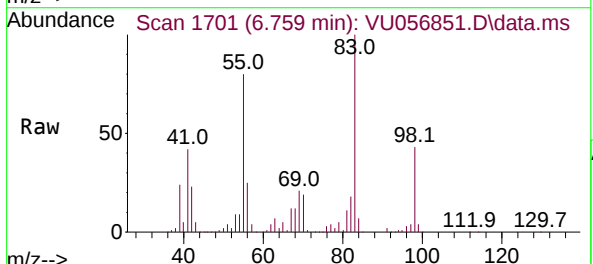
Instrument :
MSVOA_U
ClientSampleId :

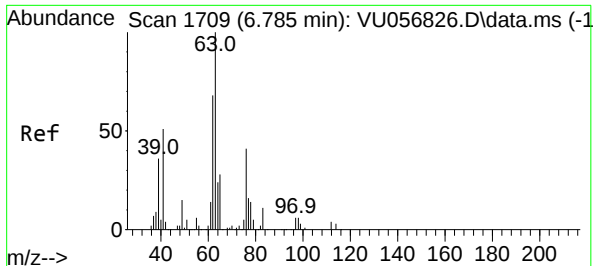
Tgt Ion: 95 Resp: 126622
Ion Ratio Lower Upper
95 100
97 64.2 46.1 85.5
132 90.4 63.6 118.0
130 95.0 66.4 123.4



#35
Methylcyclohexane
Concen: 5.111 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion: 83 Resp: 183563
Ion Ratio Lower Upper
83 100
55 79.4 64.6 97.0
98 43.2 36.1 54.1





#37

1,2-Dichloropropane

Concen: 5.341 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

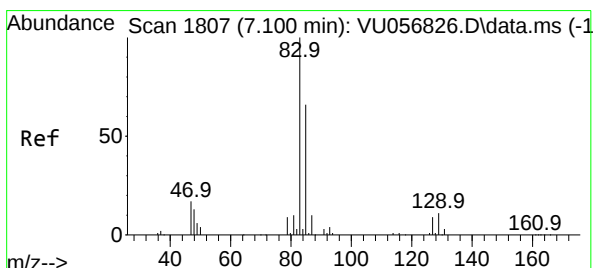
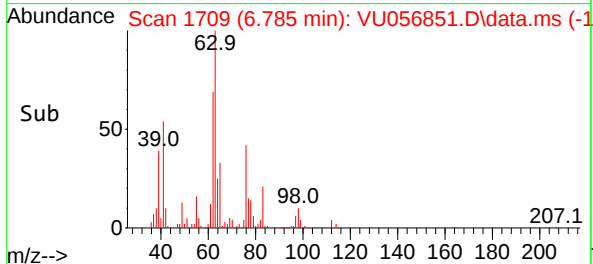
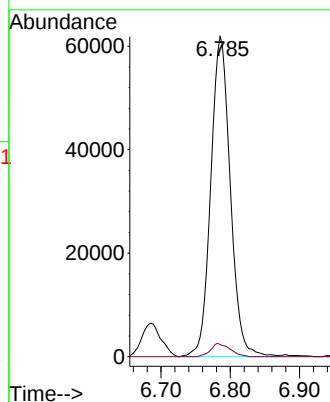
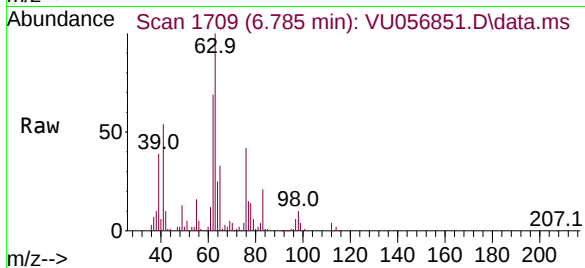
ClientSampleId :

Tgt Ion: 63 Resp: 121219

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.213 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

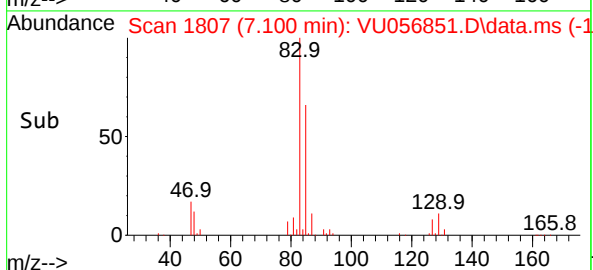
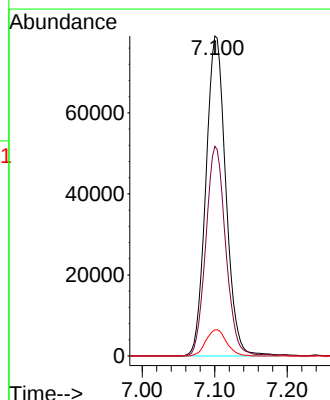
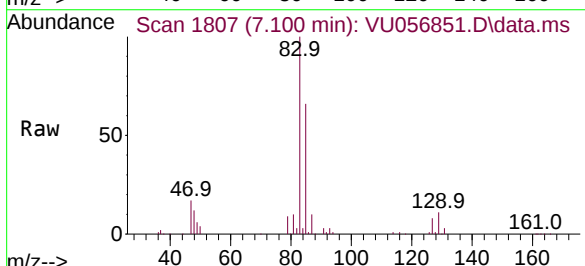
Tgt Ion: 83 Resp: 150867

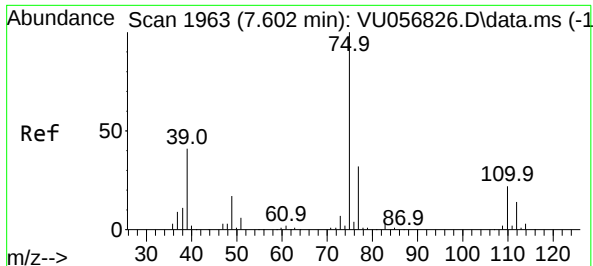
Ion Ratio Lower Upper

83 100

85 65.5 45.0 83.6

127 8.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.012 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

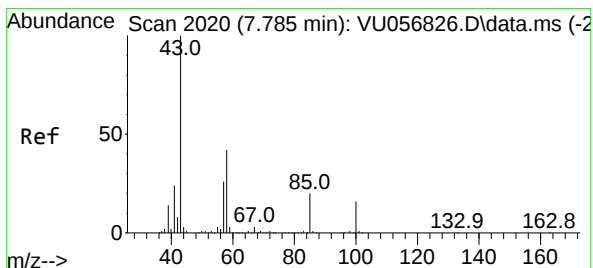
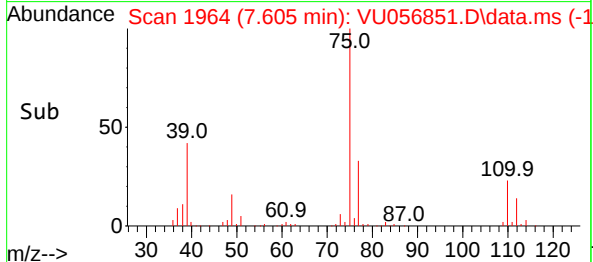
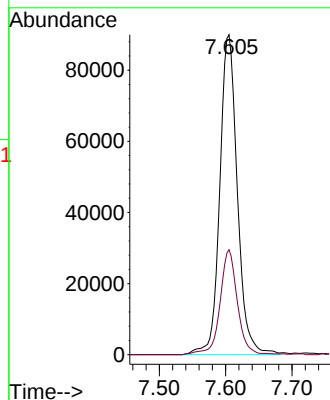
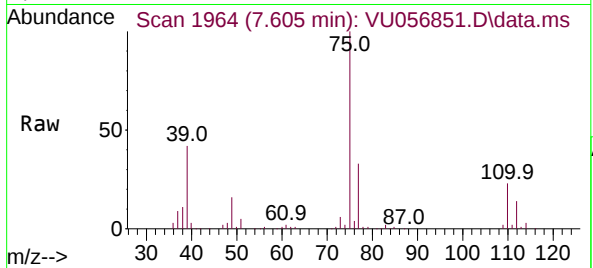
ClientSampleId :

Tgt Ion: 75 Resp: 165772

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.614 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

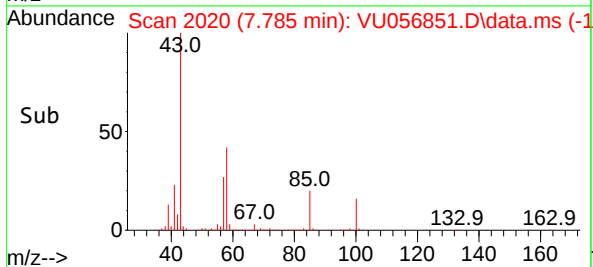
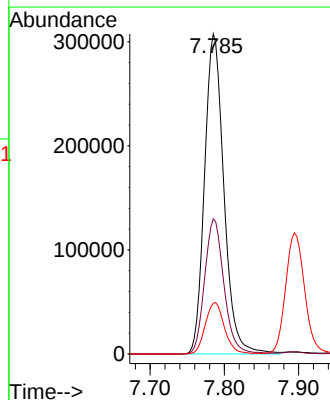
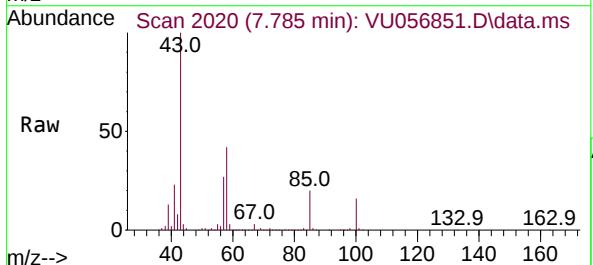
Tgt Ion: 43 Resp: 556221

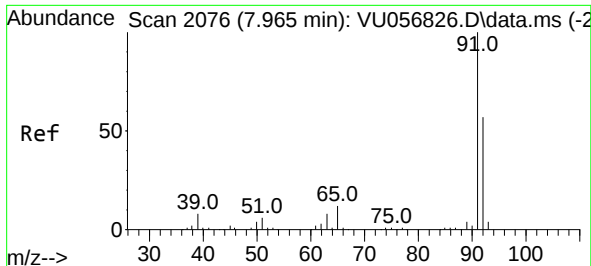
Ion Ratio Lower Upper

43 100

58 42.2 33.7 50.5

100 15.9 13.0 19.4





#42

Toluene

Concen: 5.422 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

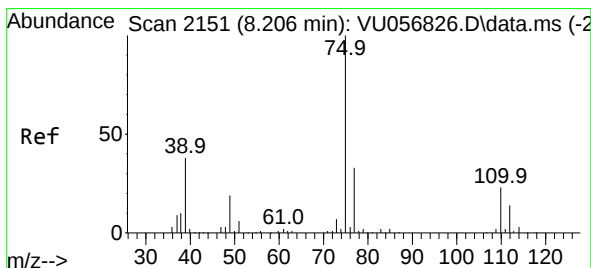
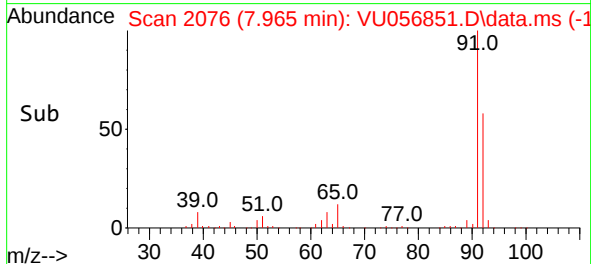
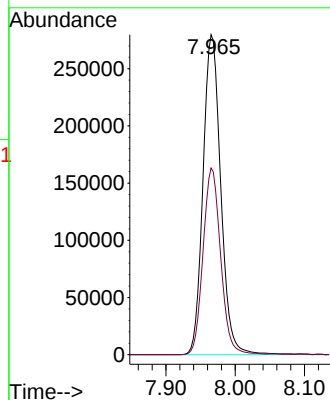
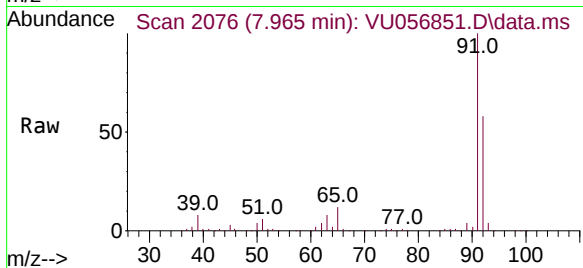
ClientSampleId :

Tgt Ion: 91 Resp: 497712

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.006 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056851.D

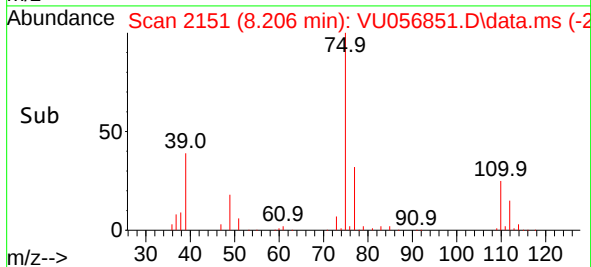
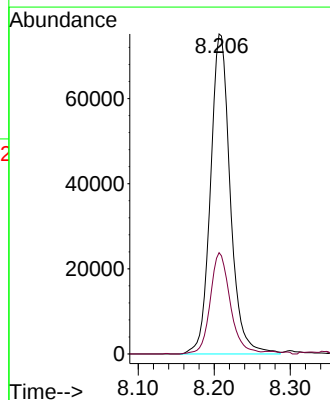
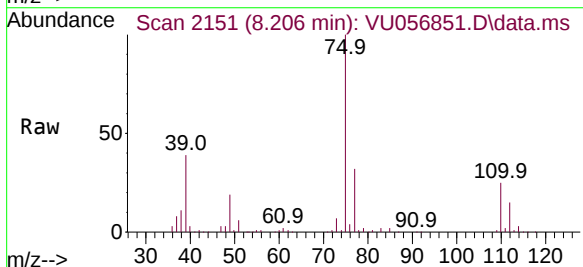
Acq: 14 Dec 2023 20:56

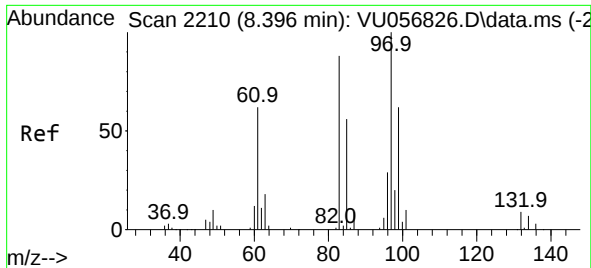
Tgt Ion: 75 Resp: 135703

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4

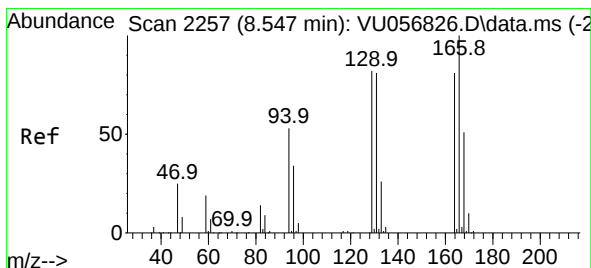
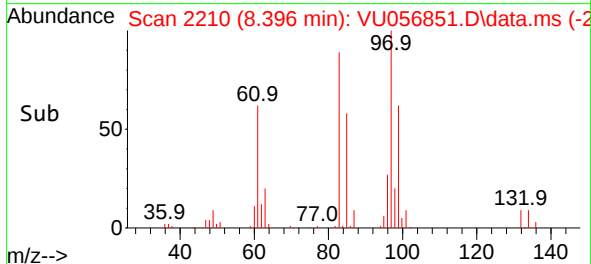
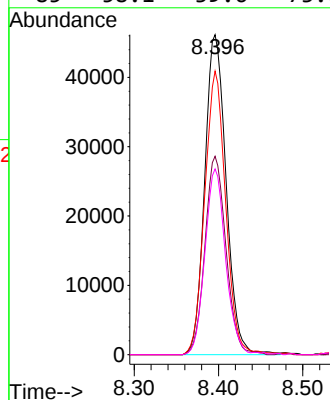
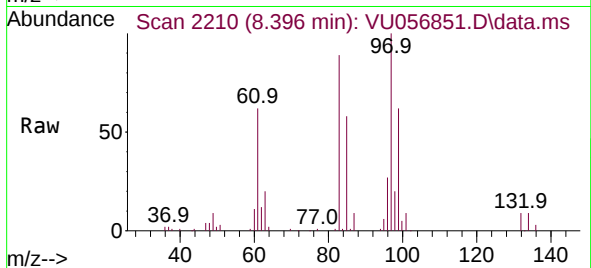




#45
1,1,2-Trichloroethane
Concen: 5.327 ug/L
RT: 8.396 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

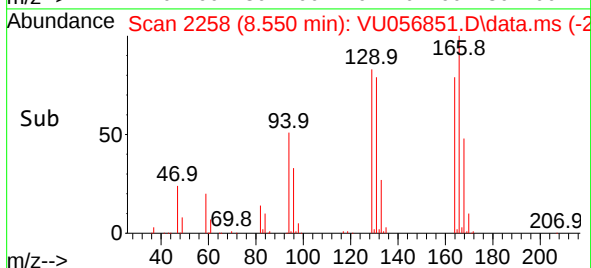
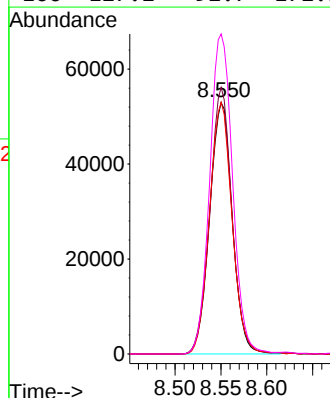
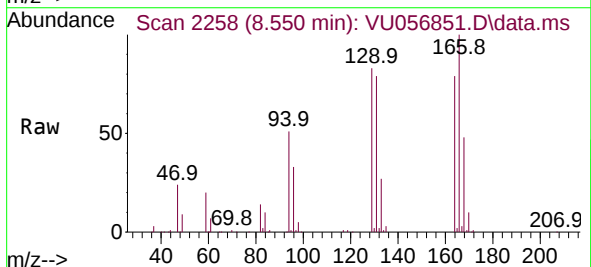
Instrument :
MSVOA_U
ClientSampleId :

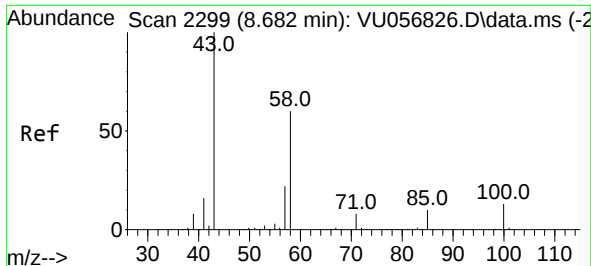
Tgt Ion: 97	Resp: 81729
Ion Ratio	Lower Upper
97 100	
99 62.0	41.9 77.9
83 88.6	59.1 109.7
85 58.1	39.6 73.6



#47
Tetrachloroethene
Concen: 5.335 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

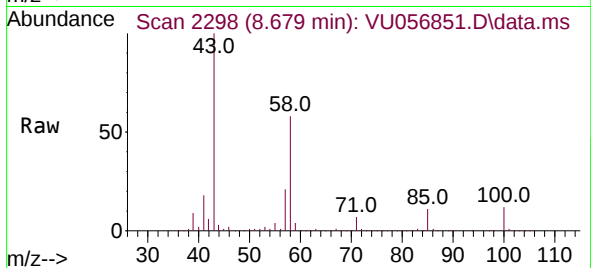
Tgt	Ion:164	Resp:	90869
Ion	Ratio	Lower	Upper
164	100		
129	105.9	73.4	136.4
131	100.0	71.5	132.9
166	127.2	92.7	172.1



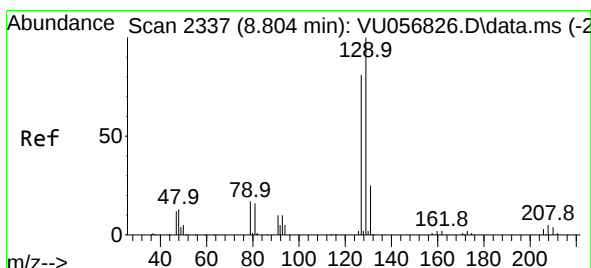
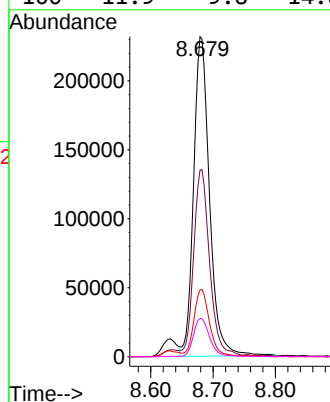
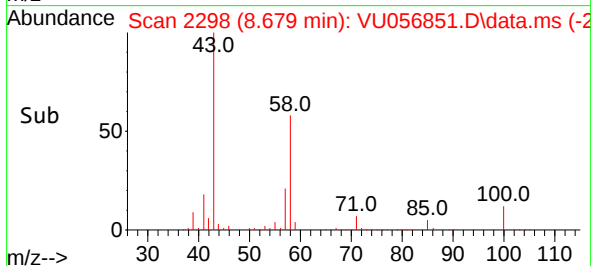


#48
2-Hexanone
Concen: 53.554 ug/L
RT: 8.679 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Instrument :
MSVOA_U
ClientSampleId :

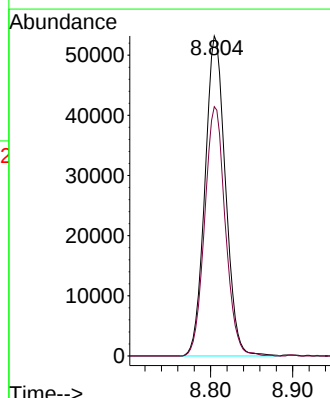
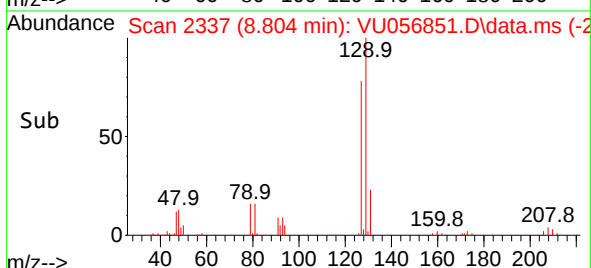
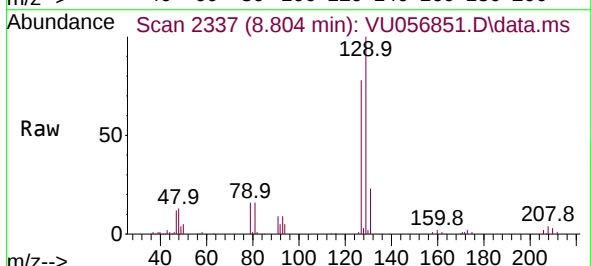


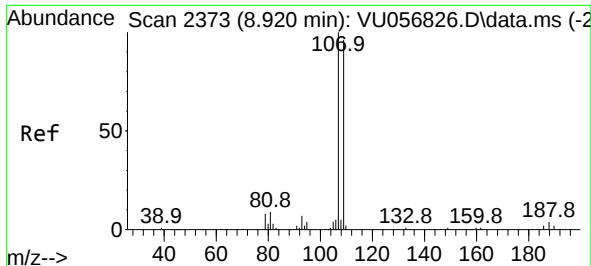
Tgt Ion: 43 Resp: 411039
Ion Ratio Lower Upper
43 100
58 57.8 47.5 71.3
57 20.2 17.0 25.4
100 11.9 9.8 14.8



#49
Dibromochloromethane
Concen: 5.238 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion: 129 Resp: 92374
Ion Ratio Lower Upper
129 100
127 77.9 53.9 100.1

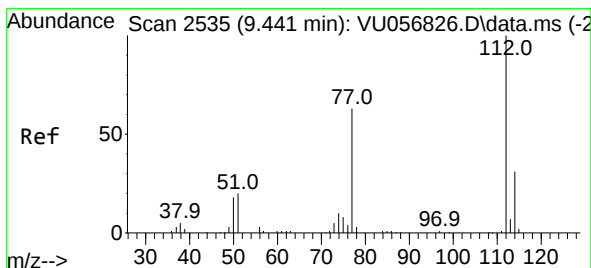
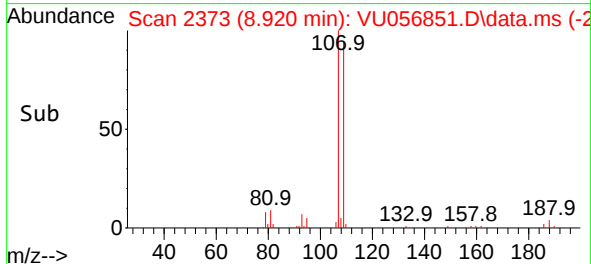
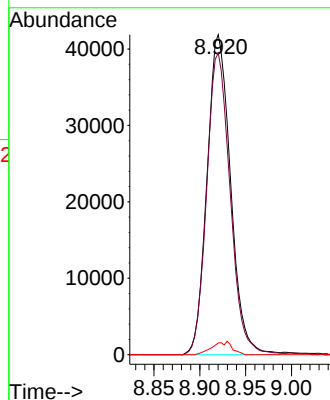
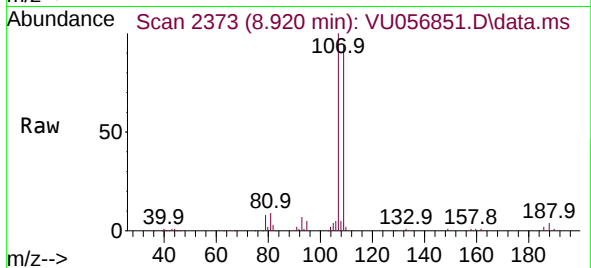




#50
1,2-Dibromoethane
Concen: 5.262 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

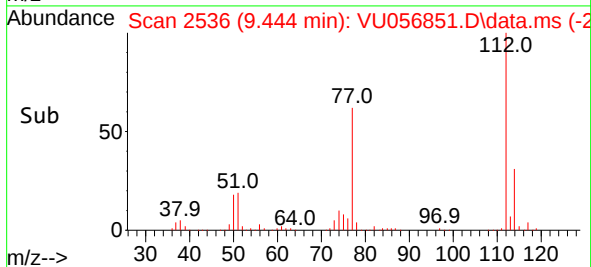
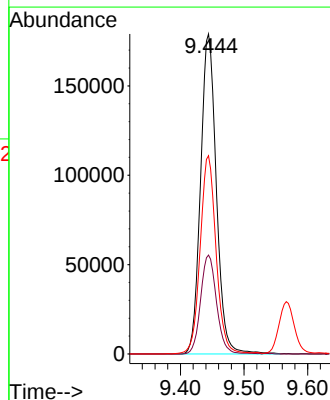
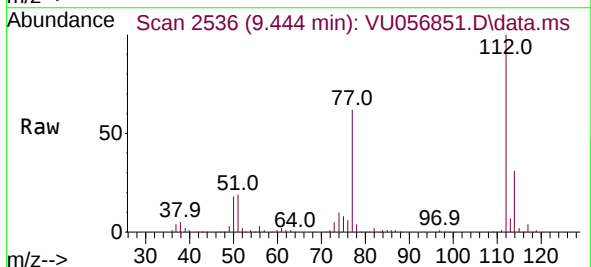
Instrument :
MSVOA_U
ClientSampleId :

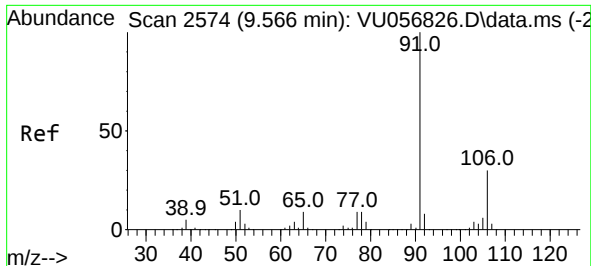
Tgt Ion:107 Resp: 74935
Ion Ratio Lower Upper
107 100
109 94.3 66.5 123.5
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 5.277 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion:112 Resp: 308759
Ion Ratio Lower Upper
112 100
114 30.9 21.9 40.7
77 61.9 51.6 77.4

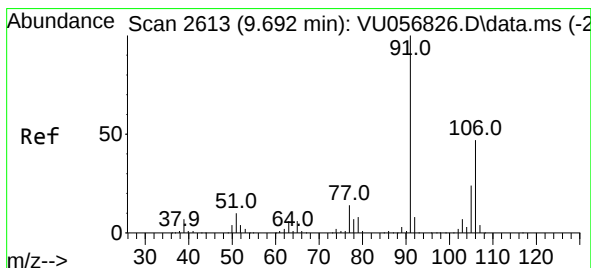
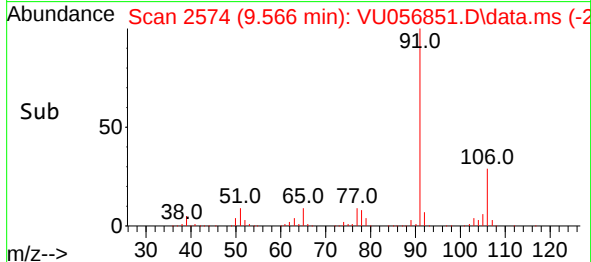
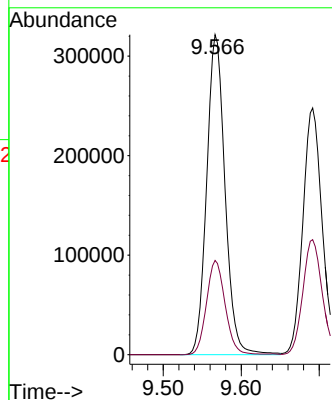
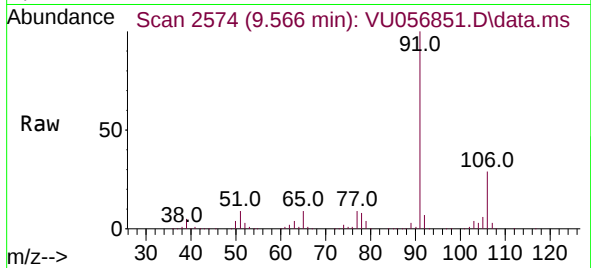




#52
Ethylbenzene
Concen: 5.180 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

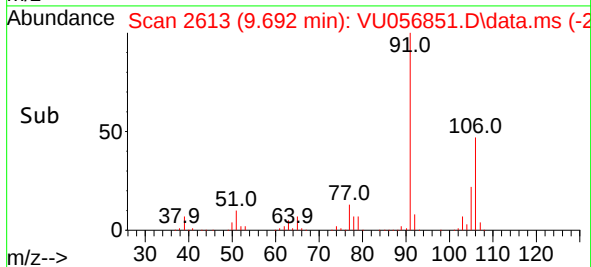
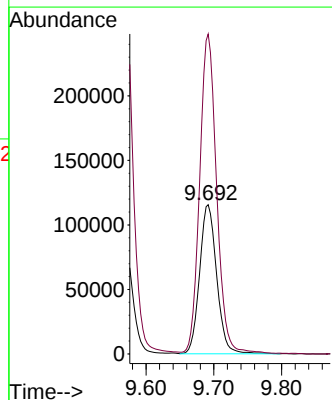
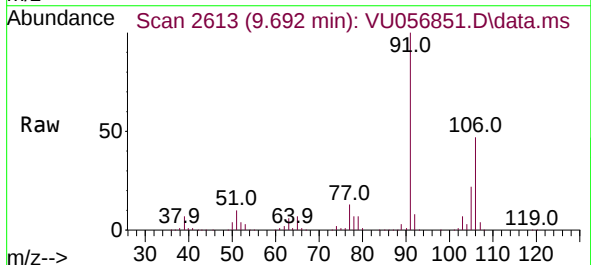
Instrument :
MSVOA_U
ClientSampleId :

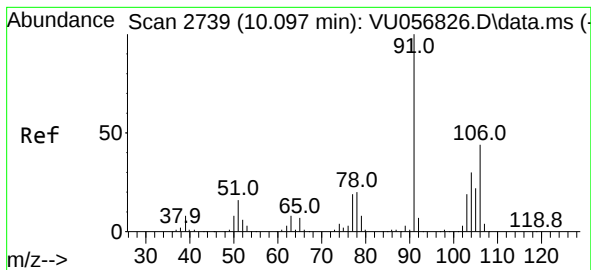
Tgt Ion: 91 Resp: 524593
Ion Ratio Lower Upper
91 100
106 29.5 20.6 38.4



#53
m,p-Xylene
Concen: 5.359 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion: 106 Resp: 202191
Ion Ratio Lower Upper
106 100
91 214.4 154.0 286.0





#54

o-Xylene

Concen: 5.269 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

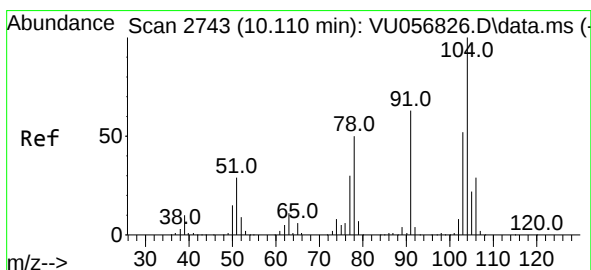
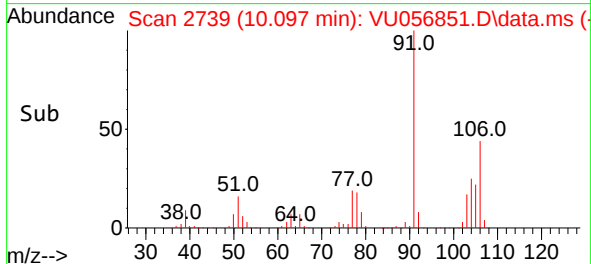
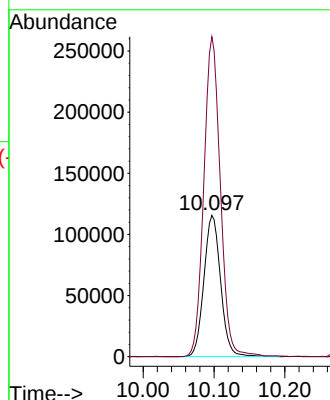
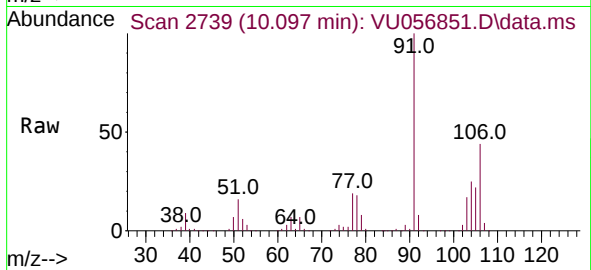
ClientSampleId :

Tgt Ion:106 Resp: 189401

Ion Ratio Lower Upper

106 100

91 226.4 160.2 297.6



#55

Styrene

Concen: 5.428 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU056851.D

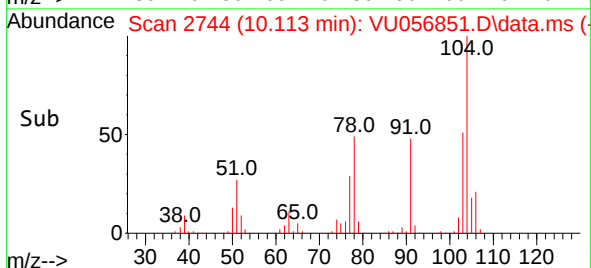
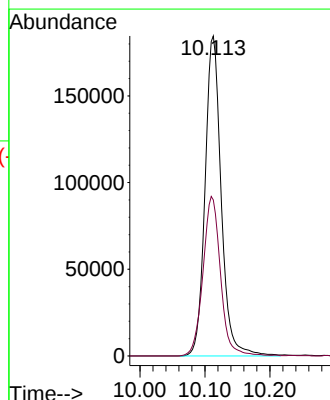
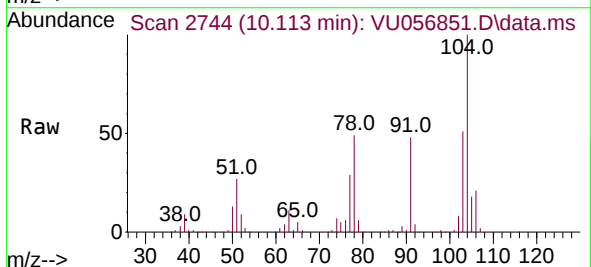
Acq: 14 Dec 2023 20:56

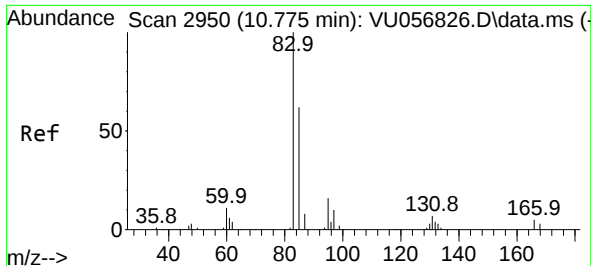
Tgt Ion:104 Resp: 320344

Ion Ratio Lower Upper

104 100

78 48.8 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.257 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

ClientSampleId :

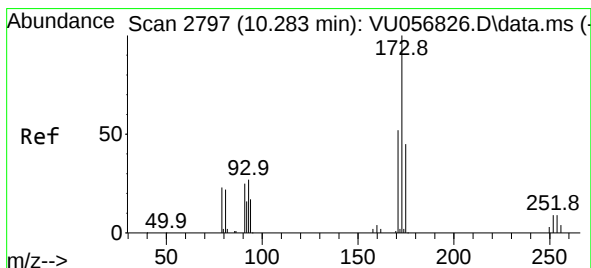
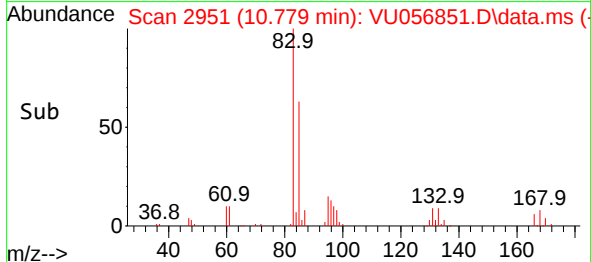
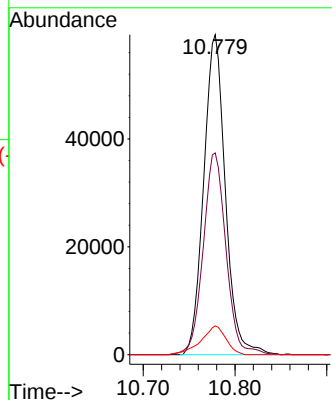
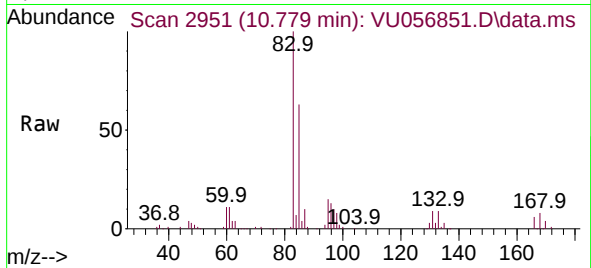
Tgt Ion: 83 Resp: 97447

Ion Ratio Lower Upper

83 100

85 63.1 45.4 84.4

131 9.0 6.6 9.8



#59

Bromoform

Concen: 4.997 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

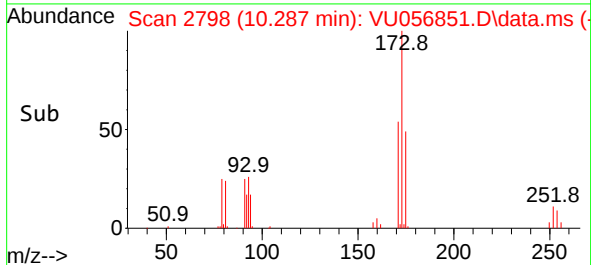
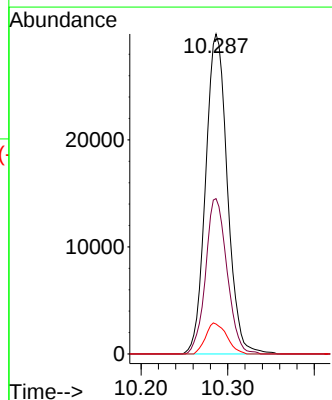
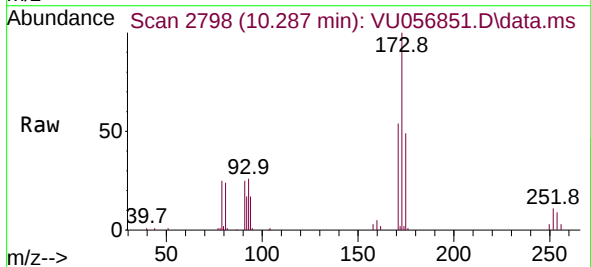
Tgt Ion:173 Resp: 52022

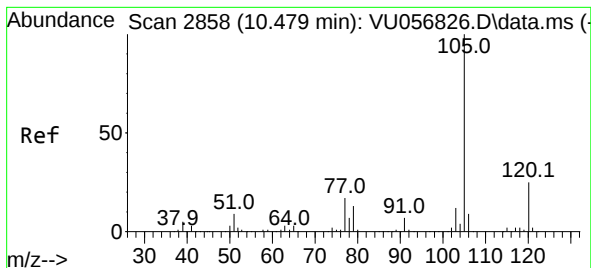
Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.2

254 9.4 7.0 10.4





#60

Isopropylbenzene

Concen: 5.069 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

ClientSampleId :

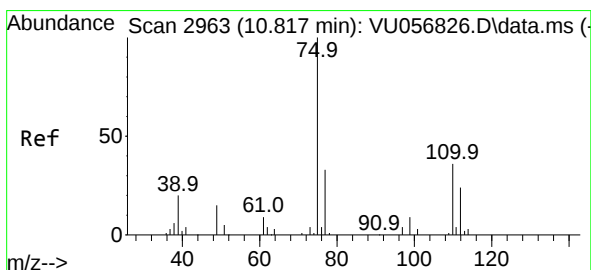
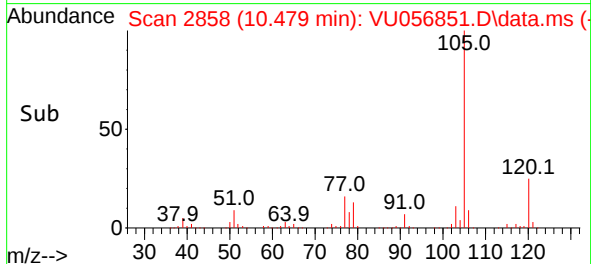
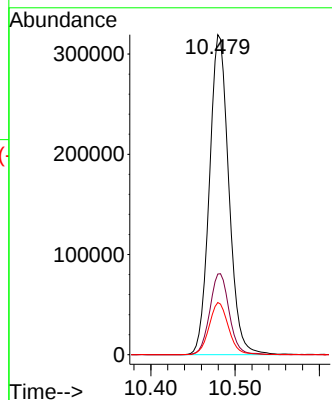
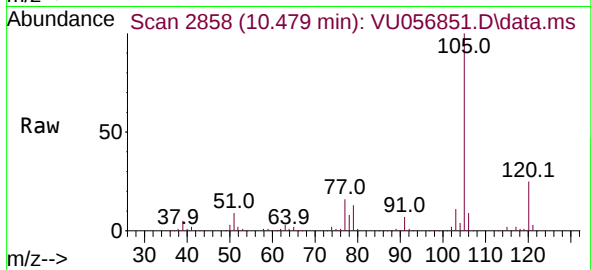
Tgt Ion:105 Resp: 510609

Ion Ratio Lower Upper

105 100

120 25.4 20.1 30.1

77 16.3 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.980 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

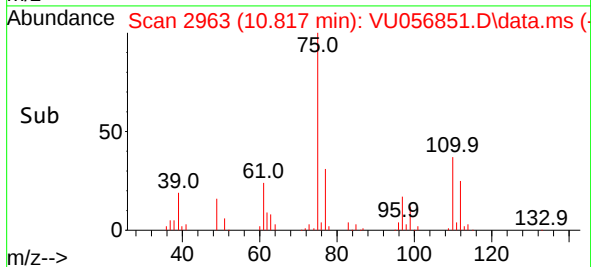
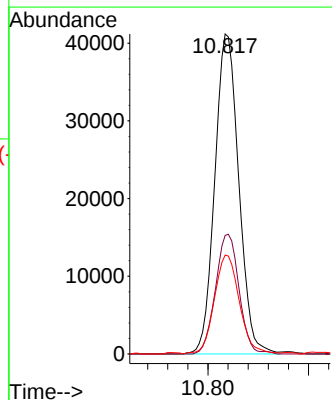
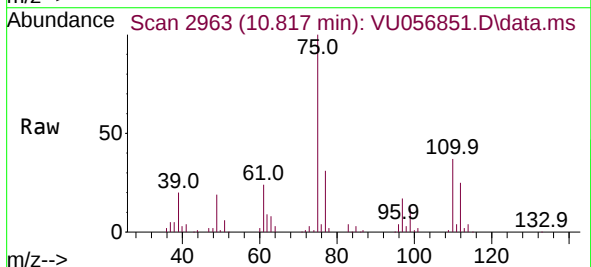
Tgt Ion: 75 Resp: 68188

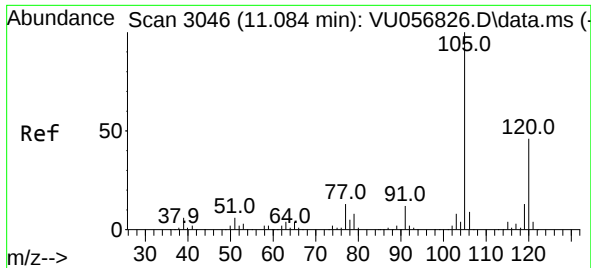
Ion Ratio Lower Upper

75 100

110 36.7 28.4 42.6

77 32.2 26.3 39.5

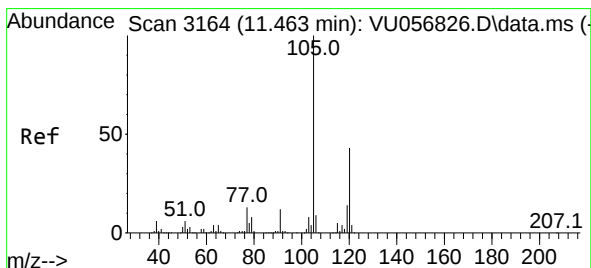
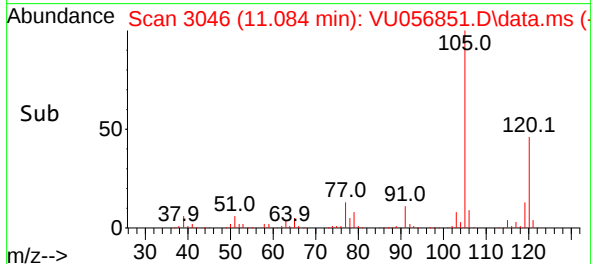
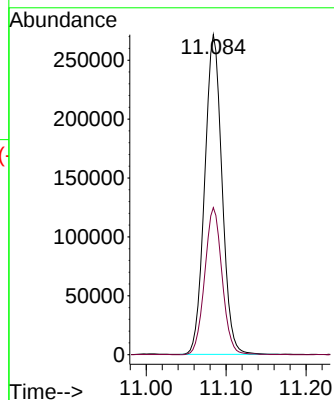
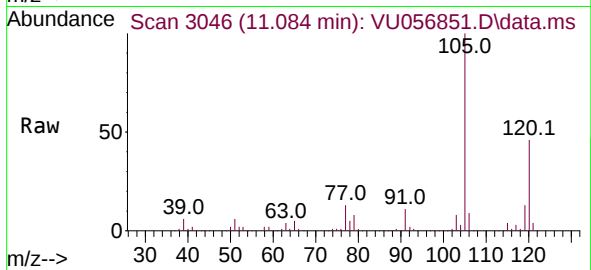




#62
1,3,5-Trimethylbenzene
Concen: 4.978 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

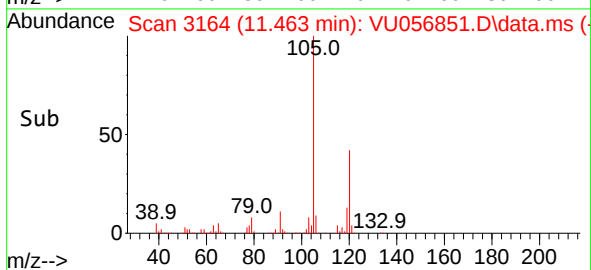
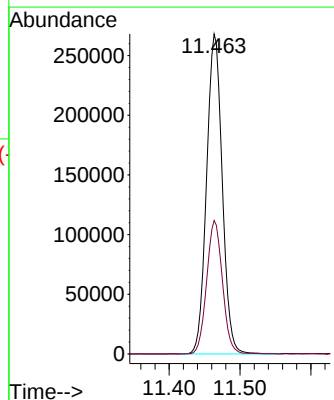
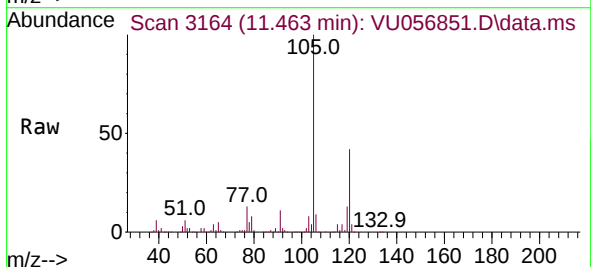
Instrument :
MSVOA_U
ClientSampleId :

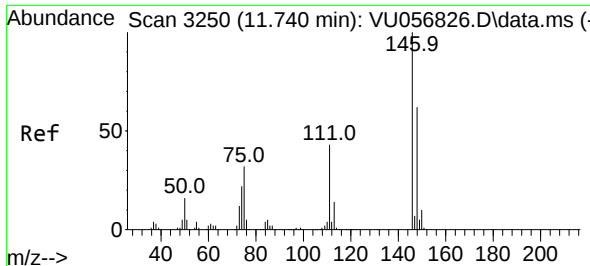
Tgt Ion:105 Resp: 409843
Ion Ratio Lower Upper
105 100
120 46.2 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 5.035 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

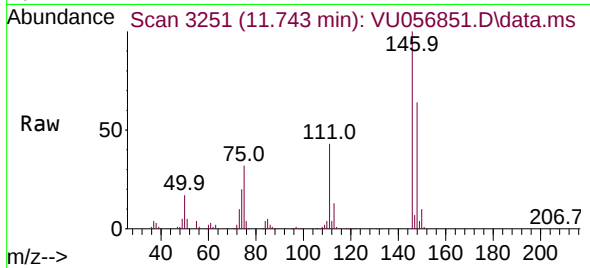
Tgt Ion:105 Resp: 411778
Ion Ratio Lower Upper
105 100
120 42.0 34.2 51.4



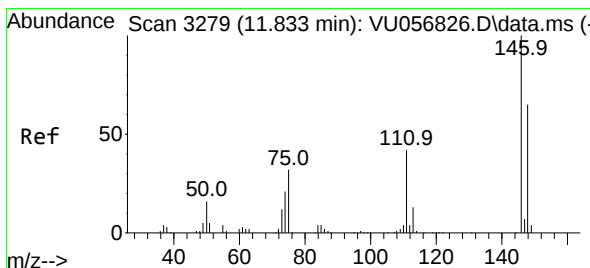
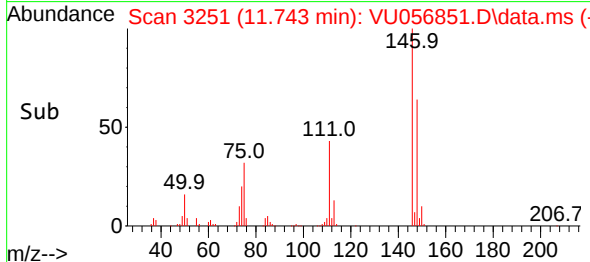
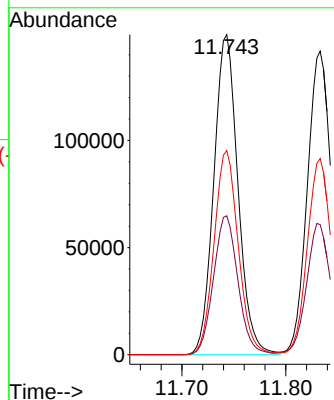


#64
1,3-Dichlorobenzene
Concen: 5.064 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Instrument :
MSVOA_U
ClientSampleId :

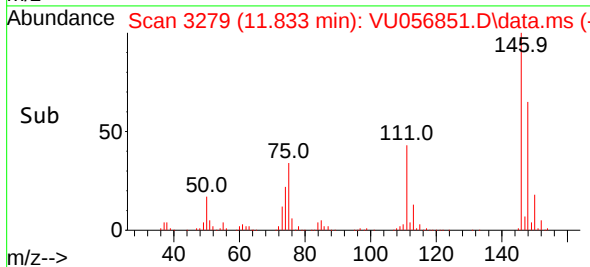
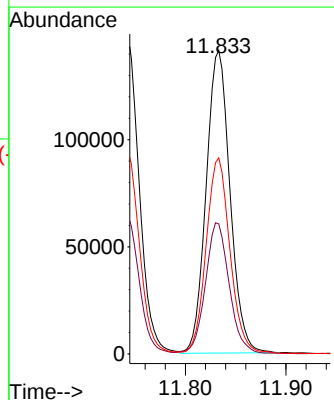
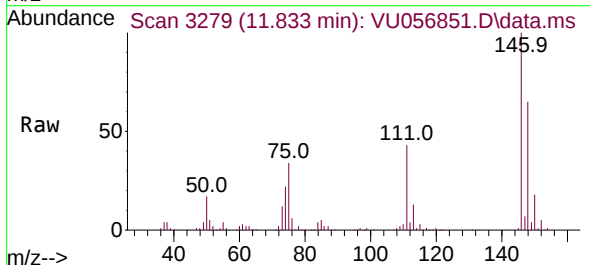


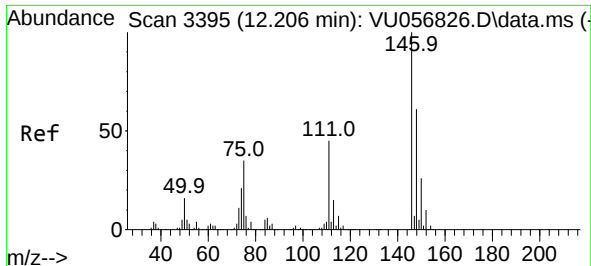
Tgt Ion:146 Resp: 241344
Ion Ratio Lower Upper
146 100
111 43.4 31.7 58.9
148 63.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.966 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion:146 Resp: 233014
Ion Ratio Lower Upper
146 100
111 42.9 31.2 58.0
148 64.6 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.064 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

Instrument :

MSVOA_U

ClientSampleId :

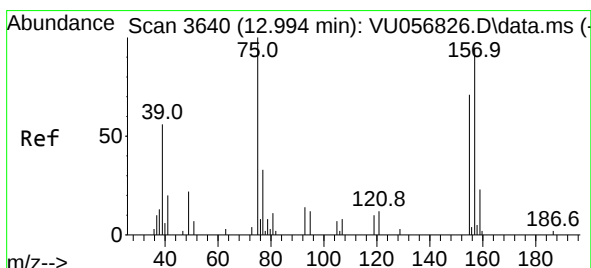
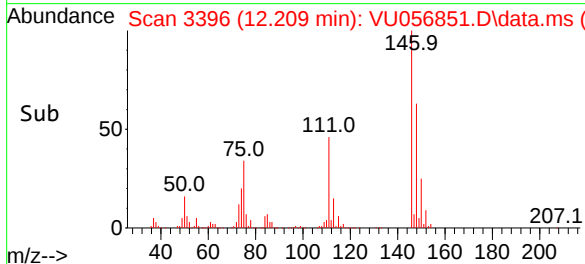
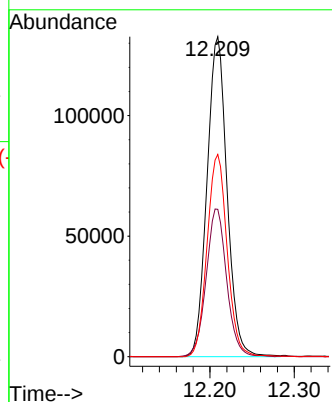
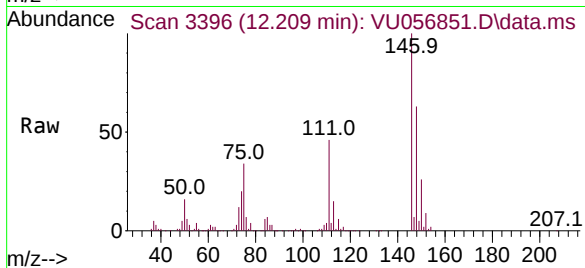
Tgt Ion:146 Resp: 219846

Ion Ratio Lower Upper

146 100

111 46.0 36.9 55.3

148 63.2 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.643 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056851.D

Acq: 14 Dec 2023 20:56

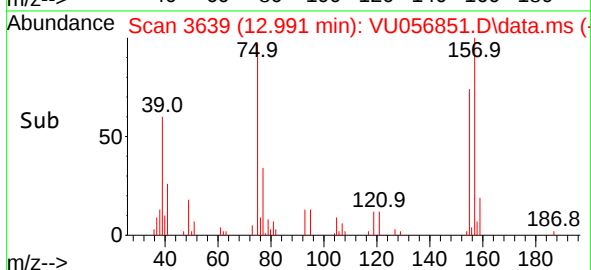
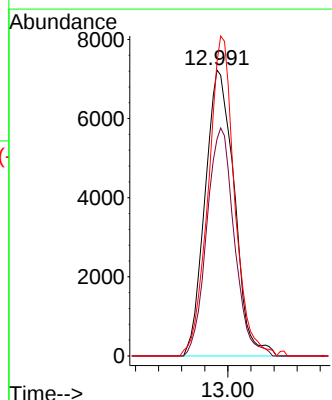
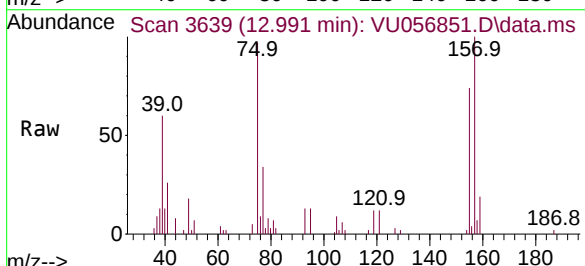
Tgt Ion: 75 Resp: 12692

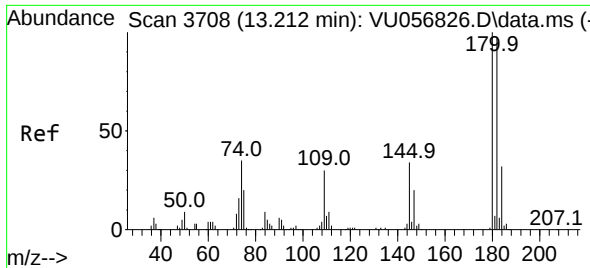
Ion Ratio Lower Upper

75 100

155 75.8 55.4 83.2

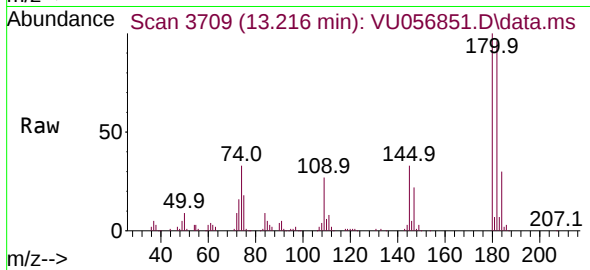
157 102.8 77.3 115.9



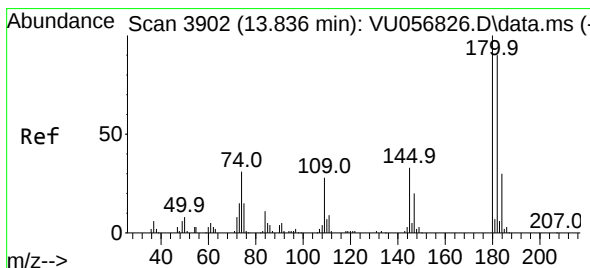
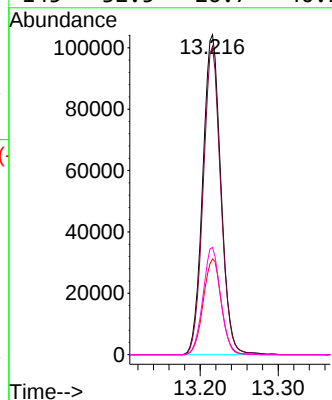
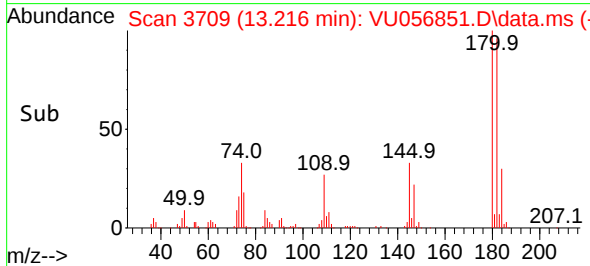


#69
 1,3,5-Trichlorobenzene
 Concen: 4.664 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56

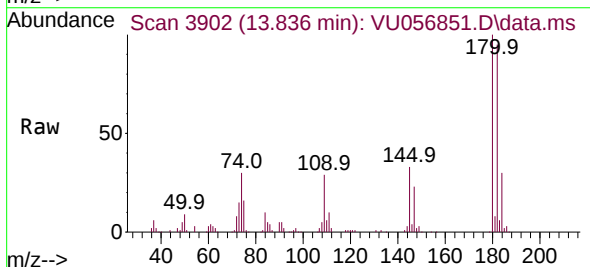
Instrument :
 MSVOA_U
 ClientSampleId :



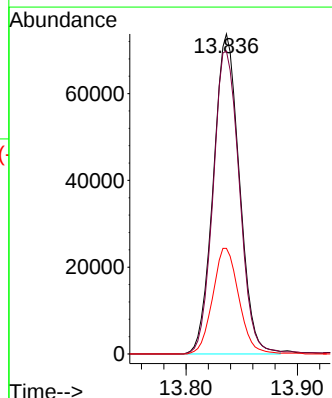
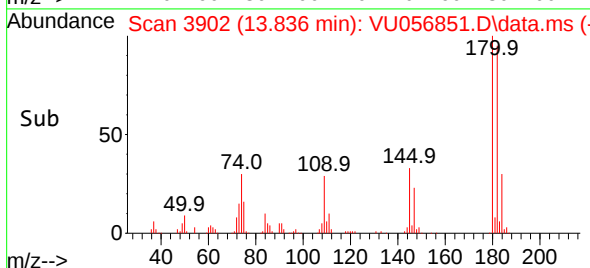
Tgt Ion:180 Resp: 167950
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.2 114.4
 184 30.0 24.6 37.0
 145 32.5 26.7 40.1

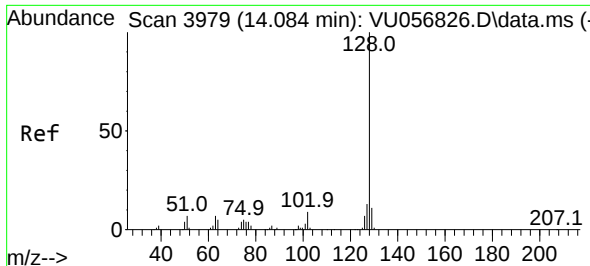


#70
 1,2,4-trichlorobenzene
 Concen: 4.205 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU056851.D
 Acq: 14 Dec 2023 20:56



Tgt Ion:180 Resp: 119902
 Ion Ratio Lower Upper
 180 100
 182 95.7 74.3 111.5
 145 33.3 26.7 40.1

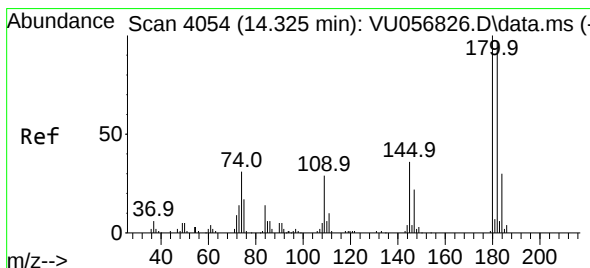
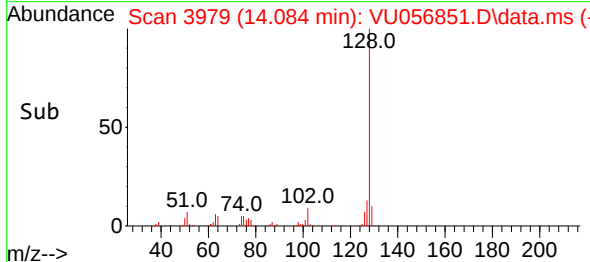
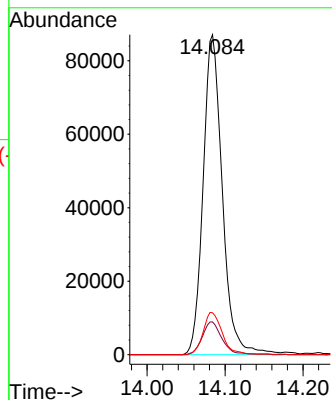
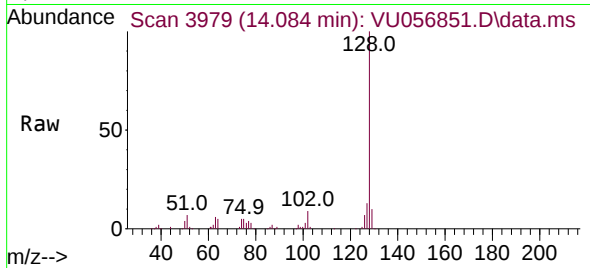




#71
Naphthalene
Concen: 3.572 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 149056
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.2 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.015 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU056851.D
Acq: 14 Dec 2023 20:56

Tgt Ion:180 Resp: 97202
Ion Ratio Lower Upper
180 100
182 95.8 75.0 112.6
145 35.2 28.6 42.8

