

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121723\
 Data File : VU056983.D
 Acq On : 17 Dec 2023 21:16
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 01:20:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 01:16:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	173317	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	179937	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	98322	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	60781	4.091	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.907	69	58170	5.232	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.563	65	28013	4.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.618	46	193746	66.038	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.080%#
24) Chloroform-d	5.055	84	162062	5.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.200%
26) 1,2-Dichloroethane-d4	5.695	65	78449	5.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.800%
32) Benzene-d6	5.721	84	281824	5.050	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.682	67	89065	5.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.891	98	229765	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.174	79	31405	4.636	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.627	63	162270	63.510	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.020%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	78729	6.229	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.600%#
66) 1,2-Dichlorobenzene-d4	12.190	152	90510	4.683	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	98446	5.421	ug/L	99
3) Chloromethane	1.515	50	111222	6.228	ug/L	96
5) Vinyl chloride	1.599	62	106795	6.022	ug/L	99
6) Bromomethane	1.849	94	48345	4.624	ug/L	100
8) Chloroethane	1.927	64	67204	6.469	ug/L	99
9) Trichlorofluoromethane	2.132	101	147537	5.903	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	87658	5.718	ug/L	97
12) 1,1-Dichloroethene	2.576	96	82968	5.896	ug/L	83
13) Acetone	2.624	43	115305	64.490	ug/L	99
14) Carbon disulfide	2.788	76	260473	5.335	ug/L	100
15) Methyl Acetate	2.946	43	30904	6.350	ug/L	99
16) Methylene chloride	3.039	84	98668	6.436	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	197018	6.315	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	85324	5.981	ug/L	95
19) 1,1-Dichloroethane	3.862	63	176806	6.443	ug/L	96
21) 2-Butanone	4.698	43	186355	61.806	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	95316	6.141	ug/L	98
23) Bromochloromethane	4.968	128	42663	6.566	ug/L	92
25) Chloroform	5.081	83	182104	6.334	ug/L	99

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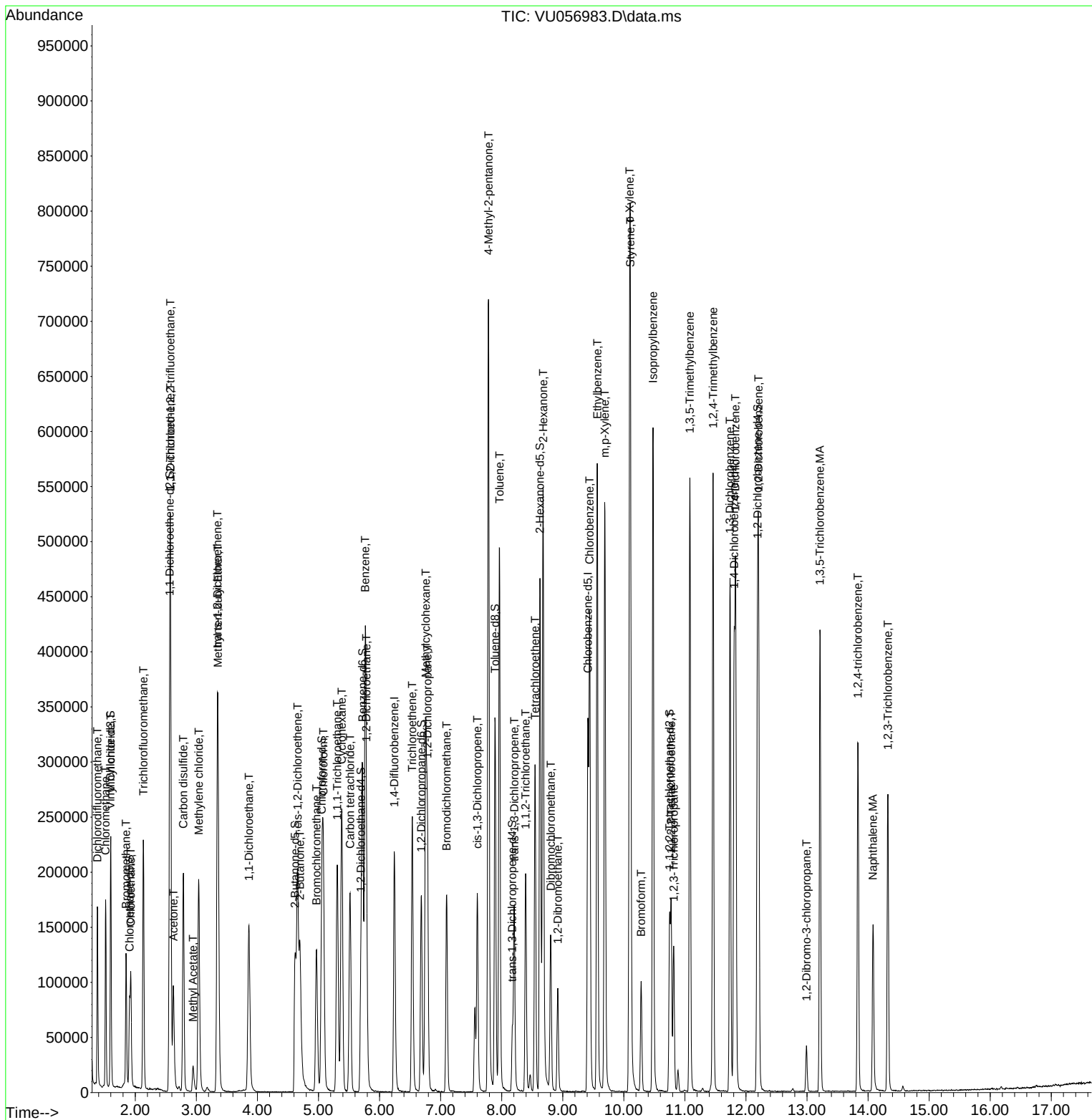
Instrument :
 MSVOA_U
 ClientSampleId :

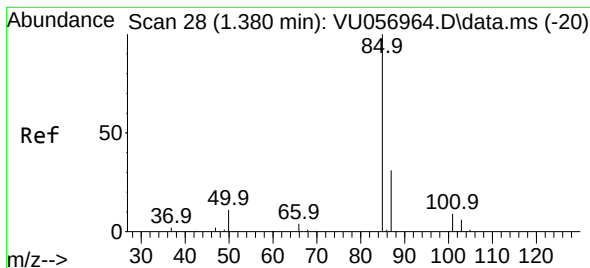
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	108458	6.379	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	156402	6.013	ug/L	97
30) Cyclohexane	5.380	56	124795	5.112	ug/L	100
31) Carbon tetrachloride	5.518	117	128532	5.686	ug/L	99
33) Benzene	5.766	78	375243	5.934	ug/L	100
34) Trichloroethene	6.537	95	89434	5.156	ug/L	99
35) Methylcyclohexane	6.756	83	118362	4.624	ug/L	99
37) 1,2-Dichloropropane	6.785	63	95342	5.894	ug/L	100
38) Bromodichloromethane	7.097	83	120836	5.858	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	112142	4.757	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	453804	59.079	ug/L	100
42) Toluene	7.965	91	363722	5.559	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	99871	5.168	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	61578	5.631	ug/L	95
47) Tetrachloroethene	8.547	164	65452	5.391	ug/L	96
48) 2-Hexanone	8.679	43	332972	60.864	ug/L	100
49) Dibromochloromethane	8.804	129	73923	5.881	ug/L	97
50) 1,2-Dibromoethane	8.920	107	61550	6.064	ug/L #	97
51) Chlorobenzene	9.441	112	224981	5.395	ug/L	98
52) Ethylbenzene	9.566	91	402306	5.574	ug/L	99
53) m,p-Xylene	9.688	106	154501	5.745	ug/L	97
54) o-Xylene	10.097	106	149031	5.817	ug/L	93
55) Styrene	10.110	104	249174	5.923	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	82273	6.227	ug/L	97
59) Bromoform	10.283	173	44865	5.589	ug/L	99
60) Isopropylbenzene	10.479	105	386177	4.971	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	57305	5.428	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	304313	4.793	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	308313	4.889	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	187232	5.095	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	180920	5.000	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	173142	5.172	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	11801	5.599	ug/L	90
69) 1,3,5-Trichlorobenzene	13.212	180	126131	4.543	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	94657	4.305	ug/L	99
71) Naphthalene	14.080	128	130516	4.056	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	82201	4.404	ug/L	97

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

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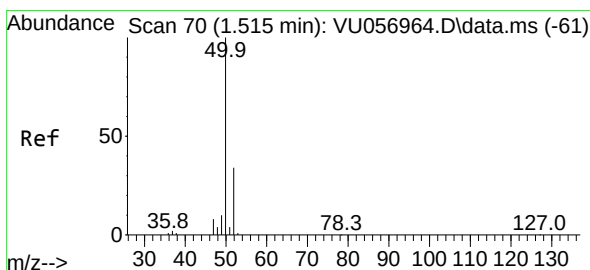
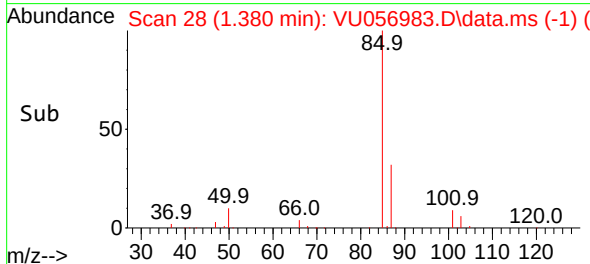
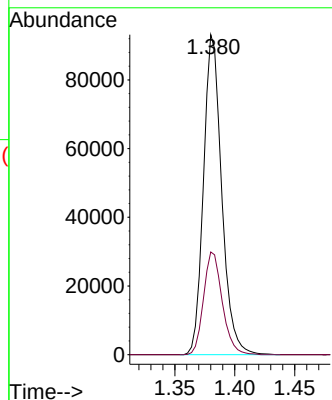
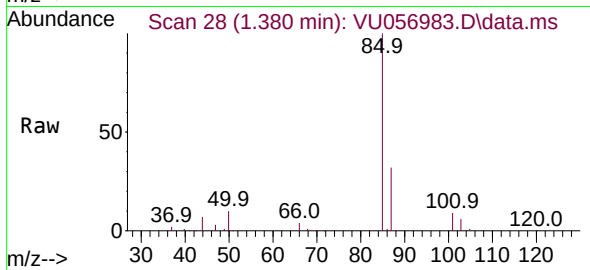




#2
 Dichlorodifluoromethane
 Concen: 5.421 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

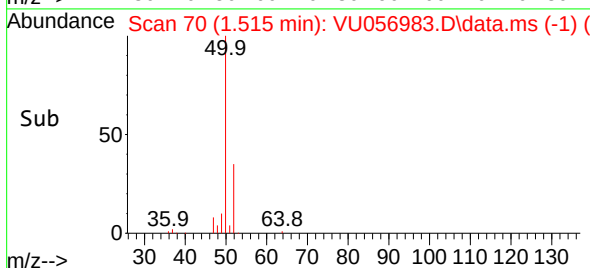
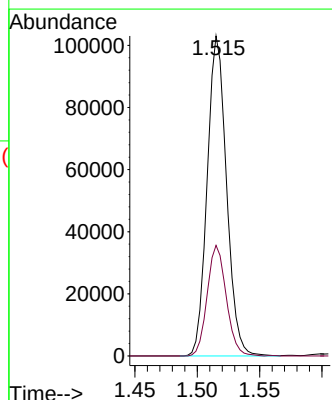
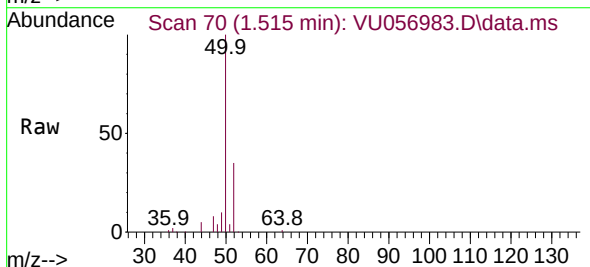
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 ClientSampleId :

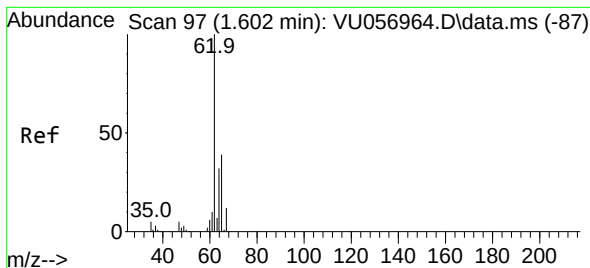
Tgt Ion: 85 Resp: 98446
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.8 40.2



#3
 Chloromethane
 Concen: 6.228 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

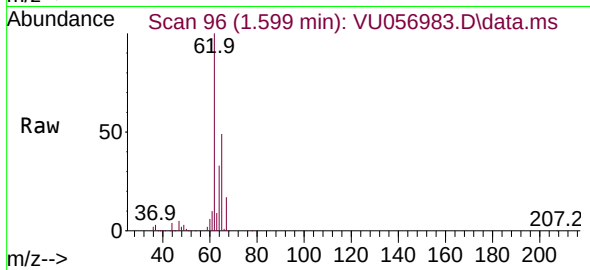
Tgt Ion: 50 Resp: 111222
 Ion Ratio Lower Upper
 50 100
 52 34.5 22.5 41.7



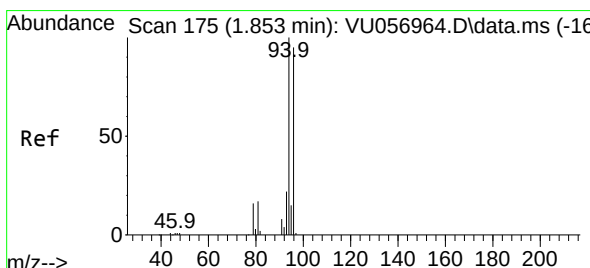
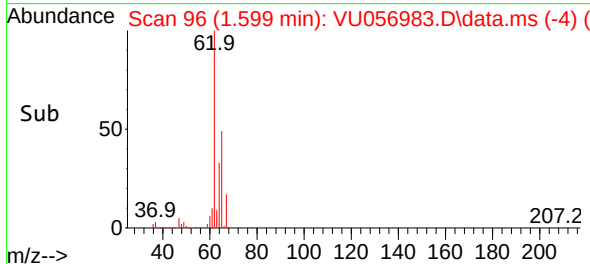
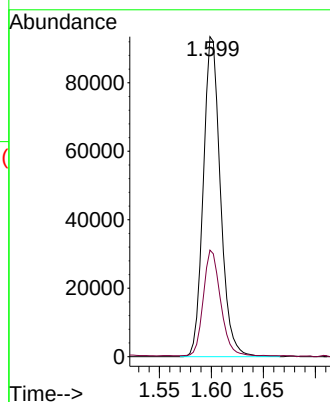


#5
 Vinyl chloride
 Concen: 6.022 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

Instrument :
 MSVOA_U
 ClientSampleId :

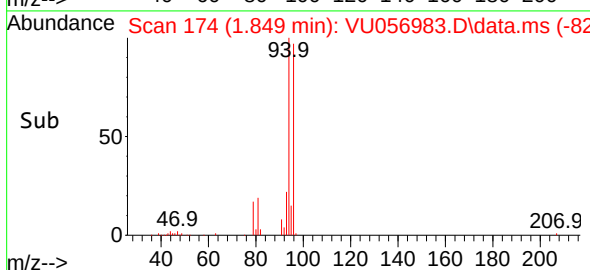
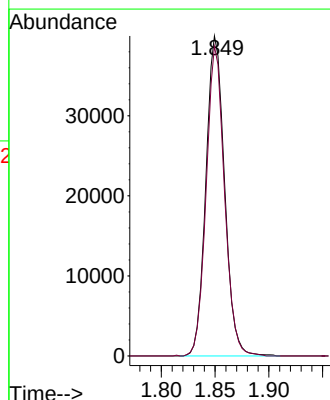
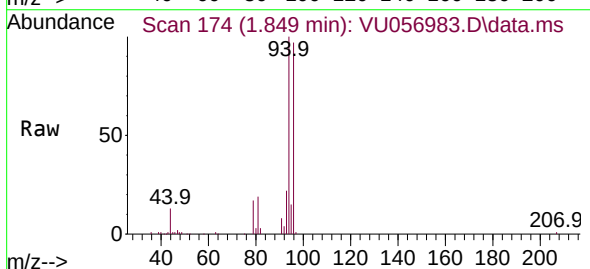


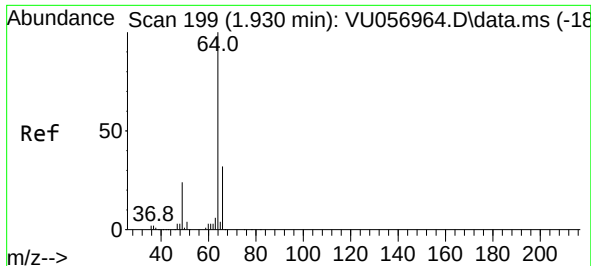
Tgt Ion: 62 Resp: 106795
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.8 42.4



#6
 Bromomethane
 Concen: 4.624 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. -0.003 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

Tgt Ion: 94 Resp: 48345
 Ion Ratio Lower Upper
 94 100
 96 96.8 67.8 125.8

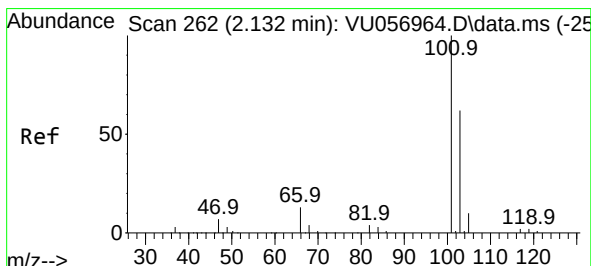
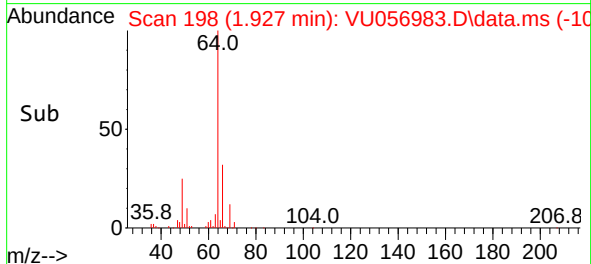
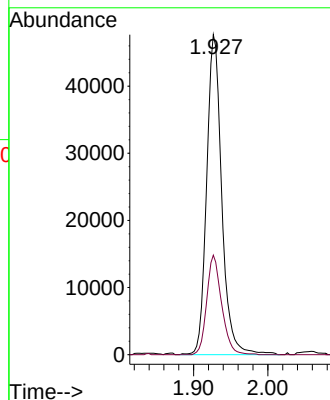
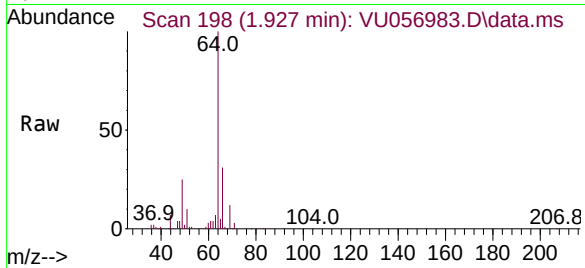




#8
Chloroethane
Concen: 6.469 ug/L
RT: 1.927 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

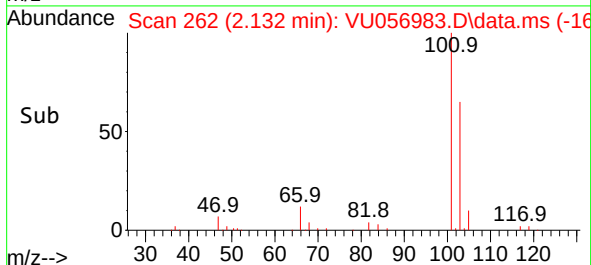
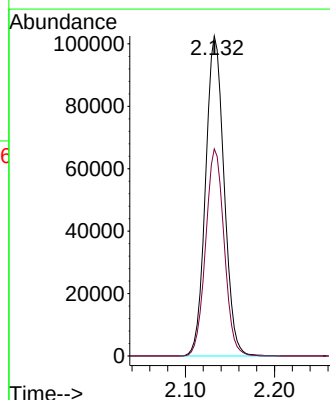
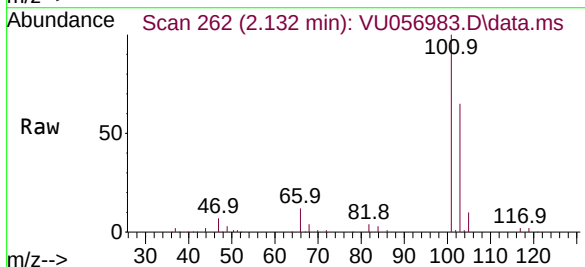
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MSVOA_U
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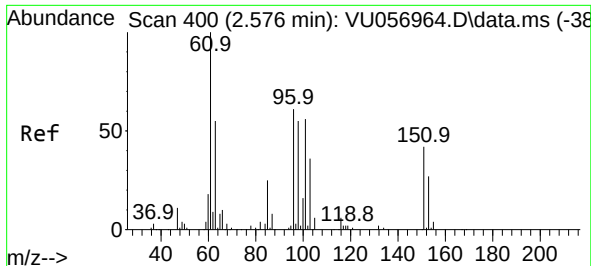
Tgt Ion: 64 Resp: 67204
Ion Ratio Lower Upper
64 100
66 31.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.903 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion:101 Resp: 147537
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2

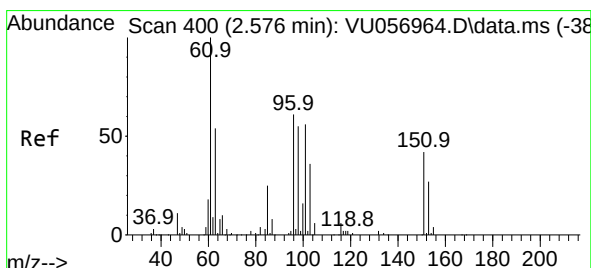
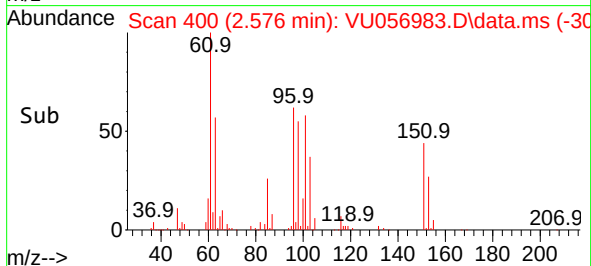
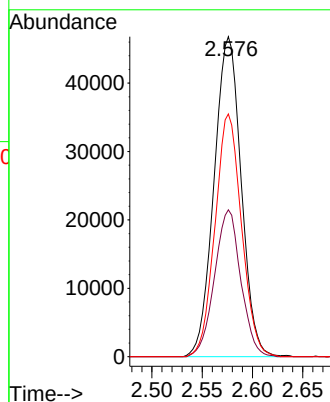
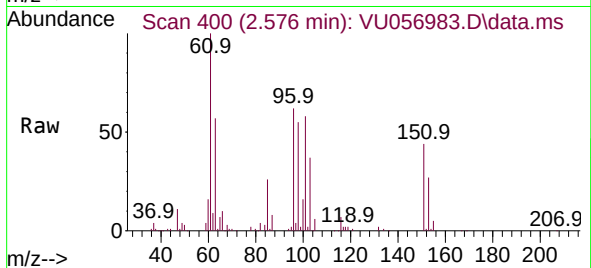




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.718 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

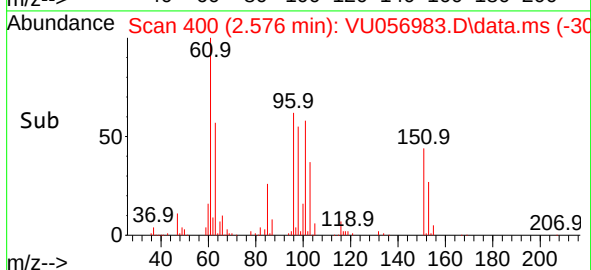
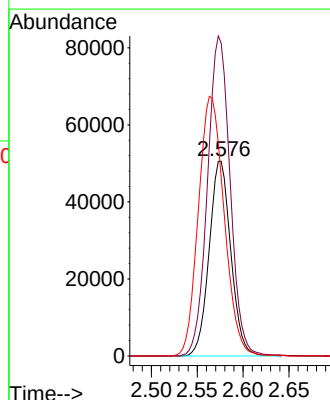
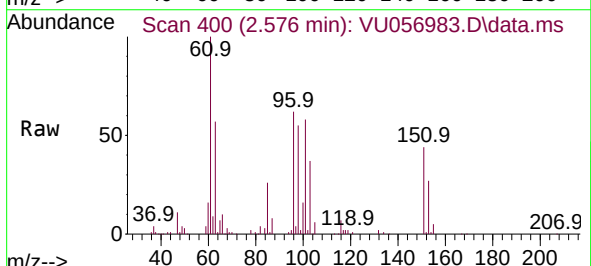
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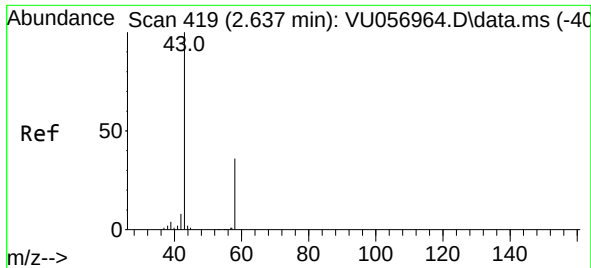
Tgt Ion: 101 Resp: 87658
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.2 52.8
 151 74.1 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 5.896 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

Tgt Ion: 96 Resp: 82968
 Ion Ratio Lower Upper
 96 100
 61 160.7 119.0 221.0
 63 91.9 88.7 164.7





#13

Acetone

Concen: 64.490 ug/L

RT: 2.624 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

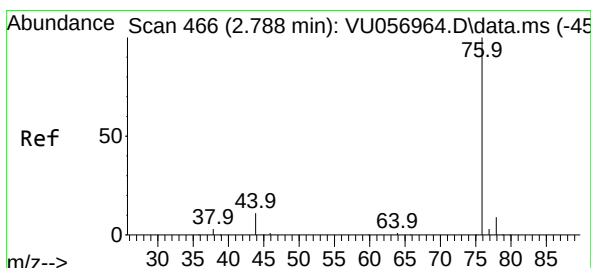
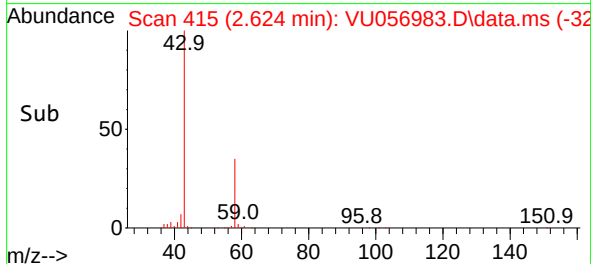
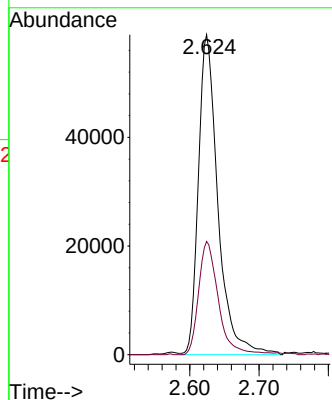
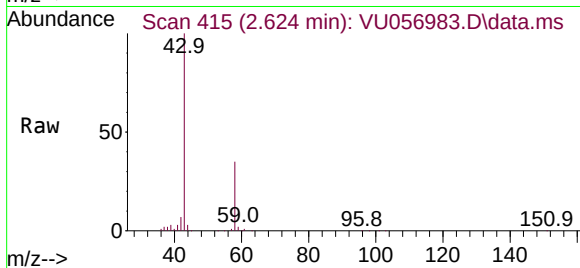
ClientSampleId :

Tgt Ion: 43 Resp: 115305

Ion Ratio Lower Upper

43 100

58 35.7 0.0 72.6



#14

Carbon disulfide

Concen: 5.335 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056983.D

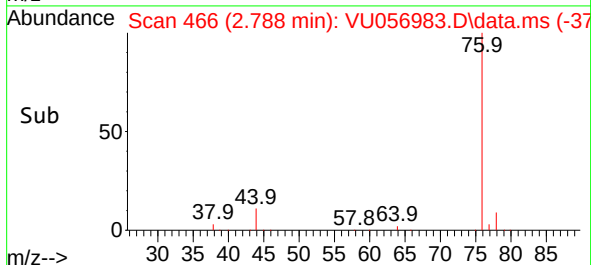
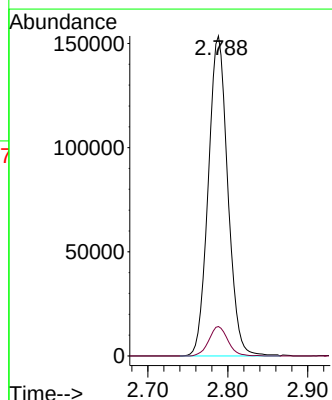
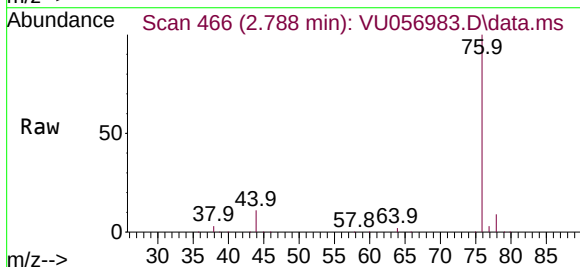
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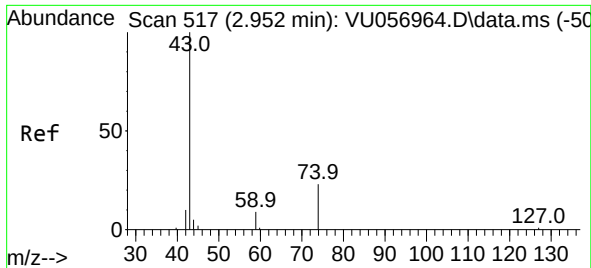
Tgt Ion: 76 Resp: 260473

Ion Ratio Lower Upper

76 100

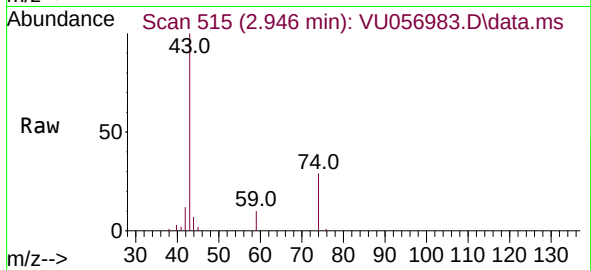
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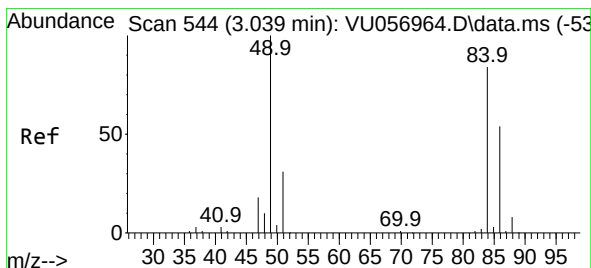
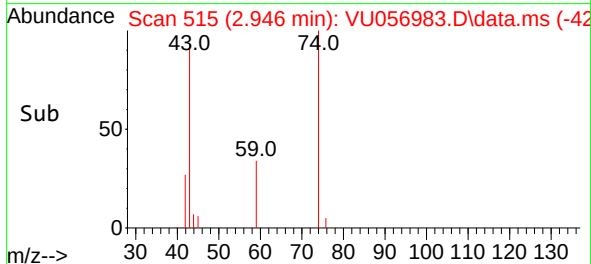
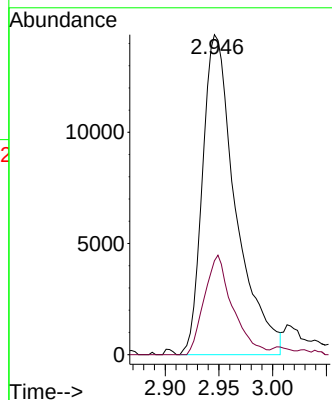


#15
Methyl Acetate
Concen: 6.350 ug/L
RT: 2.946 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Instrument :
MSVOA_U
ClientSampleId :

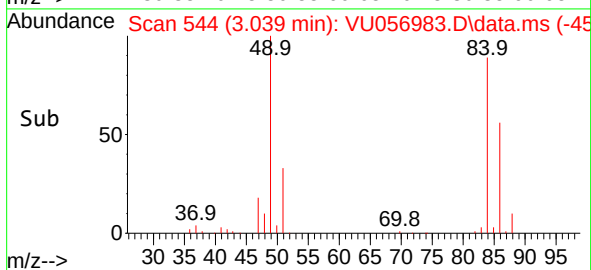
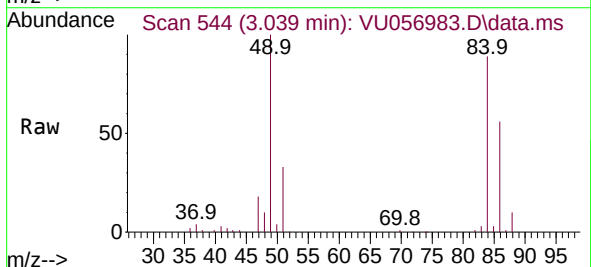
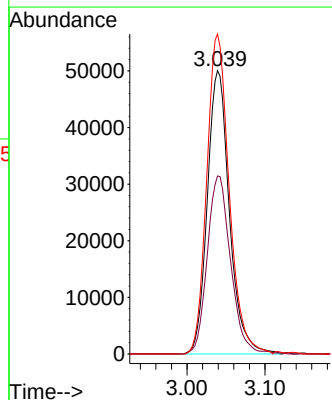


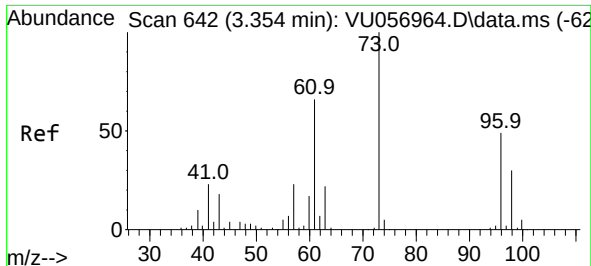
Tgt Ion: 43 Resp: 30904
Ion Ratio Lower Upper
43 100
74 26.7 21.0 31.6



#16
Methylene chloride
Concen: 6.436 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion: 84 Resp: 98668
Ion Ratio Lower Upper
84 100
86 62.8 43.6 81.0
49 112.9 80.6 149.6

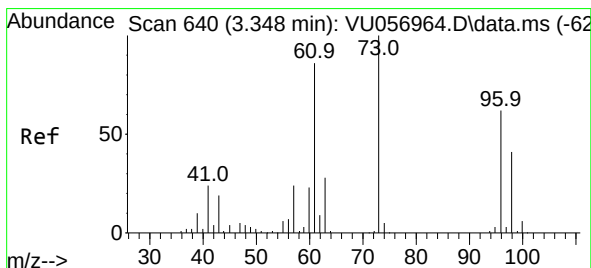
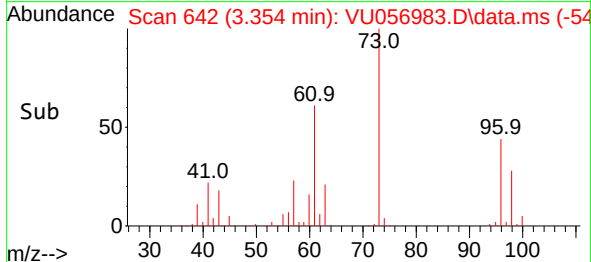
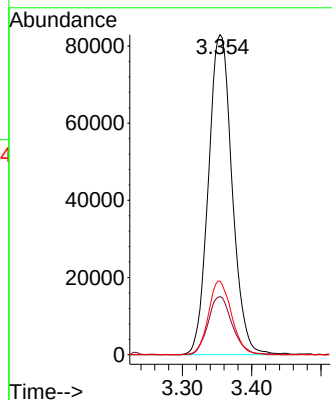
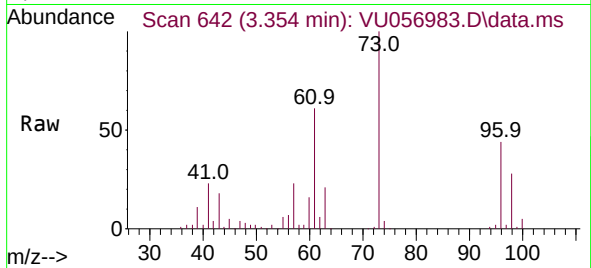




#17
Methyl tert-butyl Ether
Concen: 6.315 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

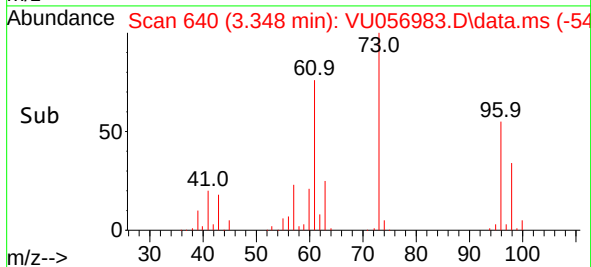
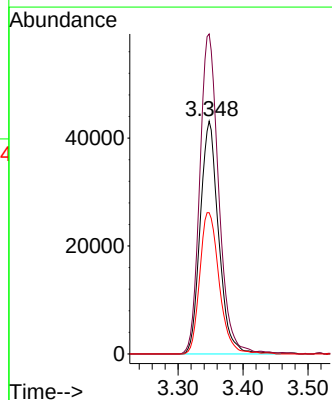
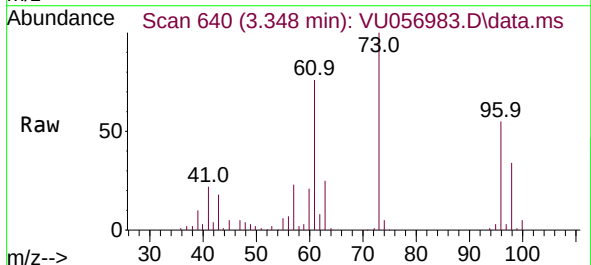
Instrument :
MSVOA_U
ClientSampleId :

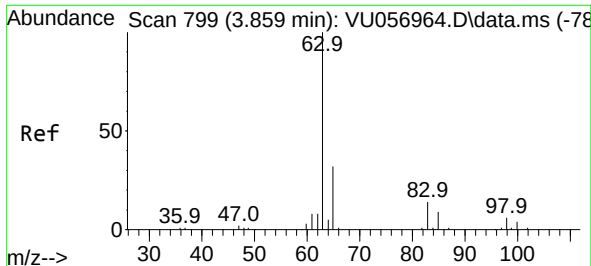
Tgt Ion: 73 Resp: 197018
Ion Ratio Lower Upper
73 100
43 18.6 14.4 21.6
57 22.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.981 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion: 96 Resp: 85324
Ion Ratio Lower Upper
96 100
61 137.4 101.8 189.0
98 60.7 43.0 79.8





#19

1,1-Dichloroethane

Concen: 6.443 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

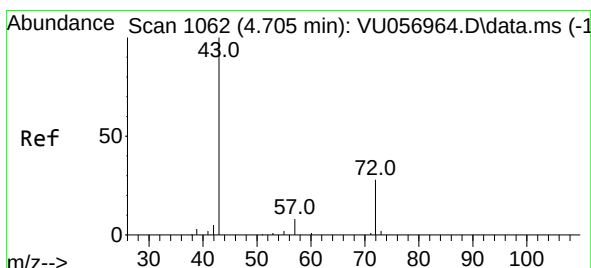
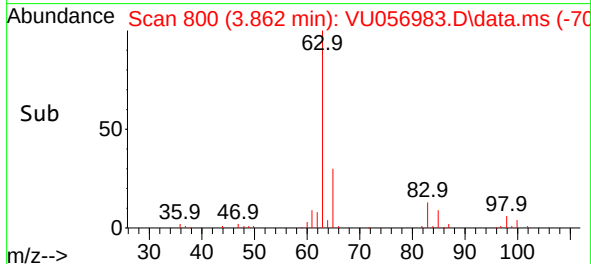
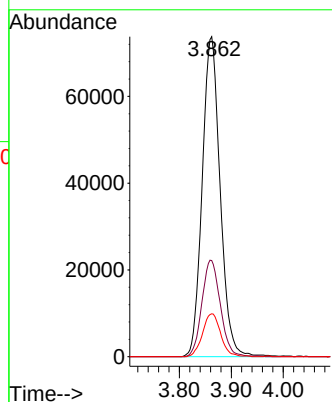
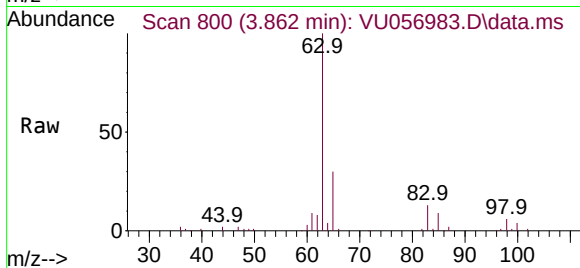
Tgt Ion: 63 Resp: 176806

Ion Ratio Lower Upper

63 100

65 30.1 22.9 42.5

83 13.4 10.1 18.9



#21

2-Butanone

Concen: 61.806 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.007 min

Lab File: VU056983.D

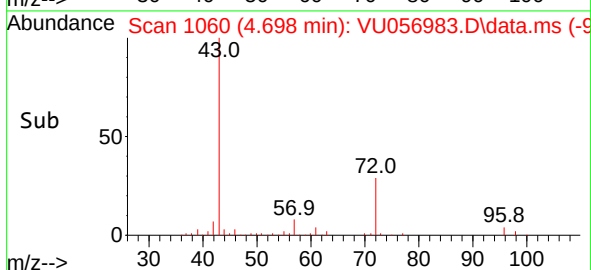
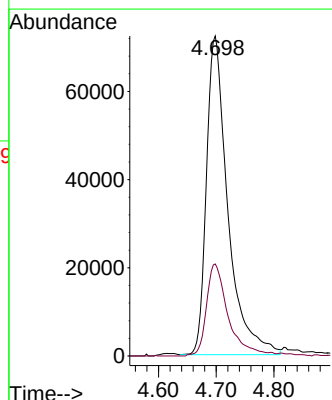
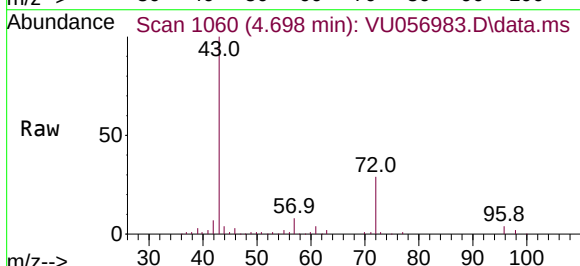
Acq: 17 Dec 2023 21:16

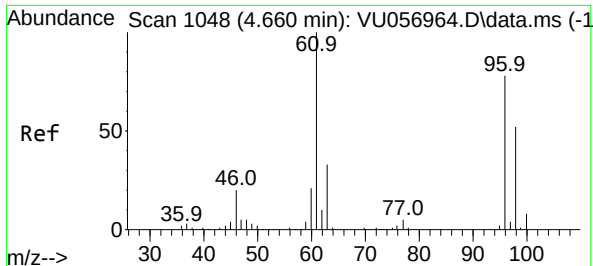
Tgt Ion: 43 Resp: 186355

Ion Ratio Lower Upper

43 100

72 29.0 14.6 43.8

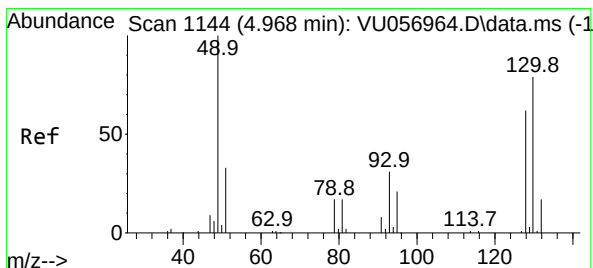
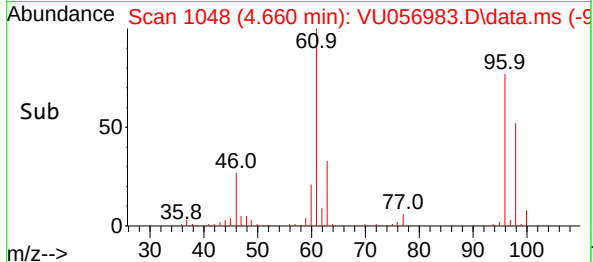
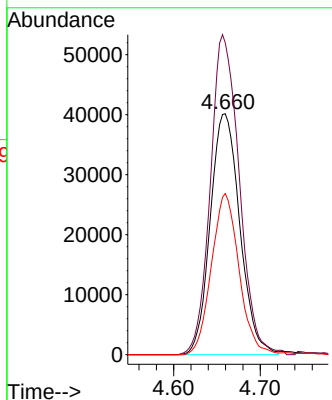
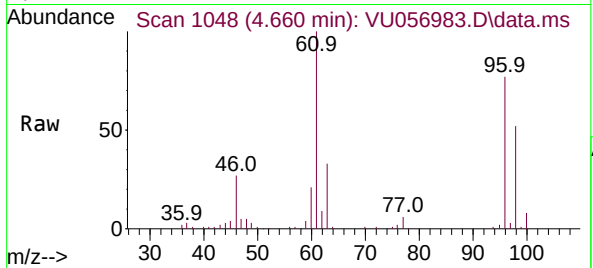




#22
 cis-1,2-Dichloroethene
 Concen: 6.141 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

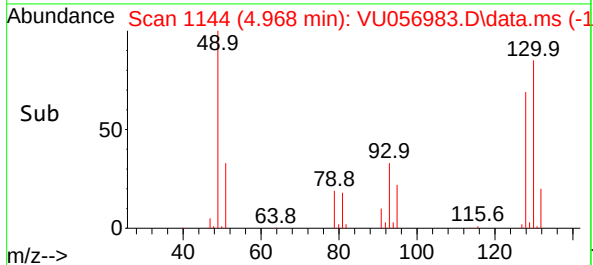
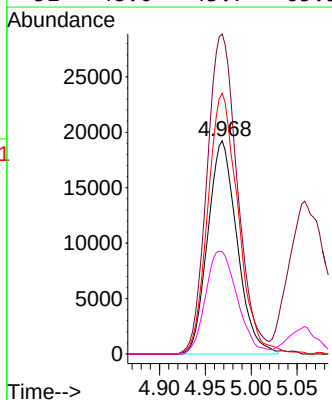
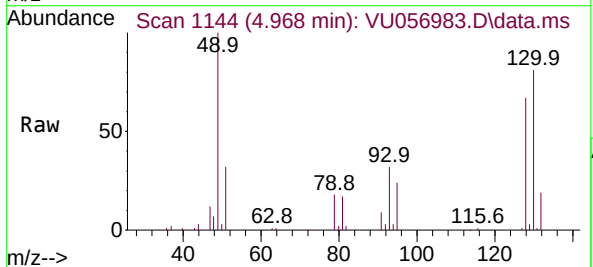
Instrument :
 MSVOA_U
 ClientSampleId :

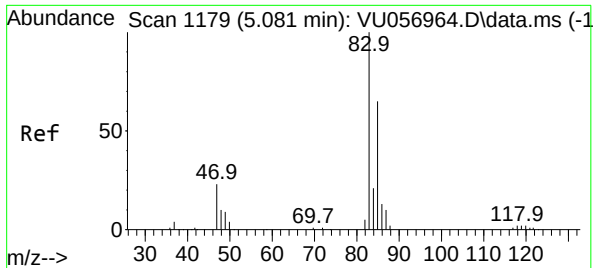
Tgt Ion: 96 Resp: 95316
 Ion Ratio Lower Upper
 96 100
 61 129.4 91.3 169.6
 98 66.8 44.2 82.0



#23
 Bromochloromethane
 Concen: 6.566 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

Tgt Ion: 128 Resp: 42663
 Ion Ratio Lower Upper
 128 100
 49 150.1 113.8 211.3
 130 122.3 90.6 168.3
 51 48.0 43.7 65.5

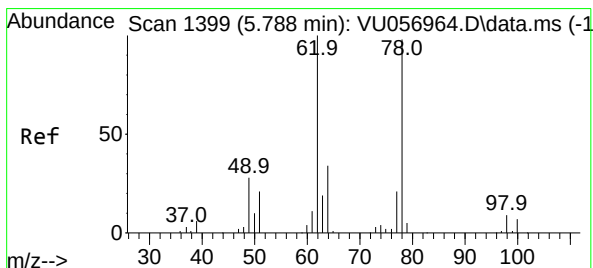
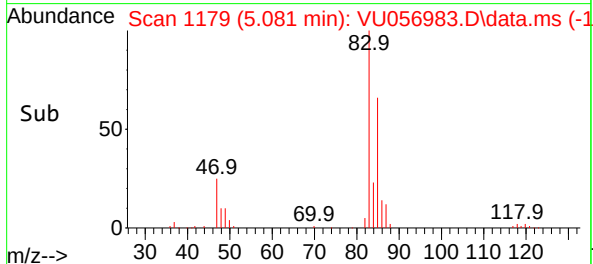
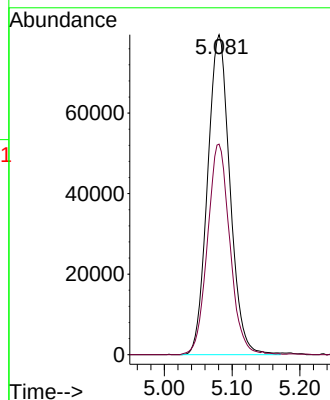
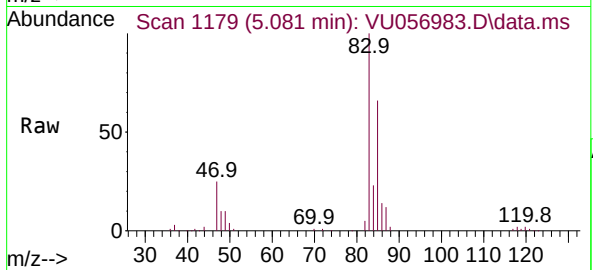




#25
Chloroform
Concen: 6.334 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

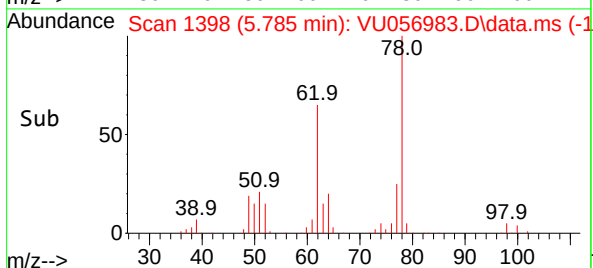
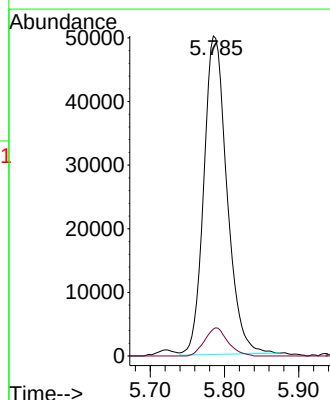
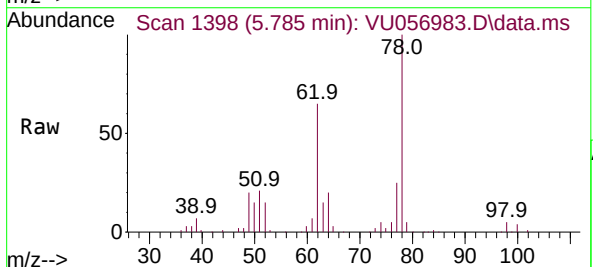
Instrument :
MSVOA_U
ClientSampleId :

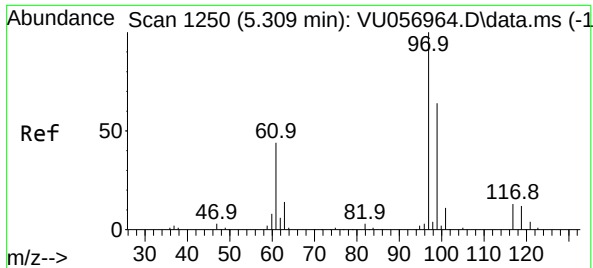
Tgt Ion: 83 Resp: 182104
Ion Ratio Lower Upper
83 100
85 65.8 45.8 85.0



#27
1,2-Dichloroethane
Concen: 6.379 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion: 62 Resp: 108458
Ion Ratio Lower Upper
62 100
98 8.4 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 6.013 ug/L

RT: 5.309 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

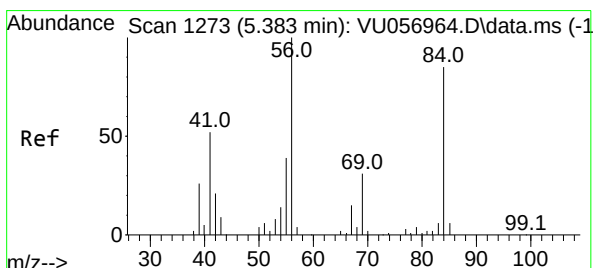
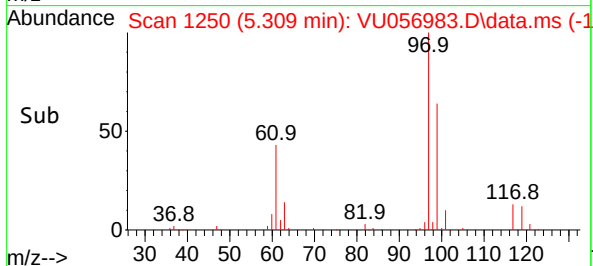
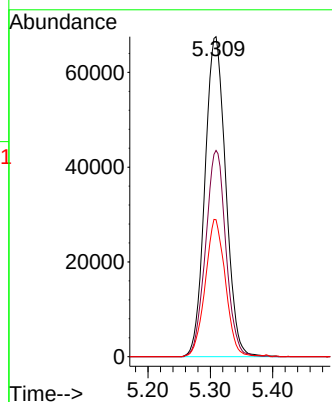
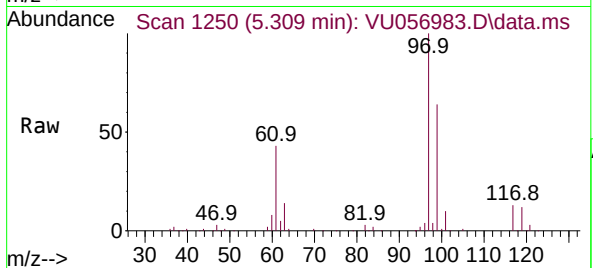
Tgt Ion: 97 Resp: 156402

Ion Ratio Lower Upper

97 100

99 63.0 52.5 78.7

61 41.6 34.2 51.2



#30

Cyclohexane

Concen: 5.112 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

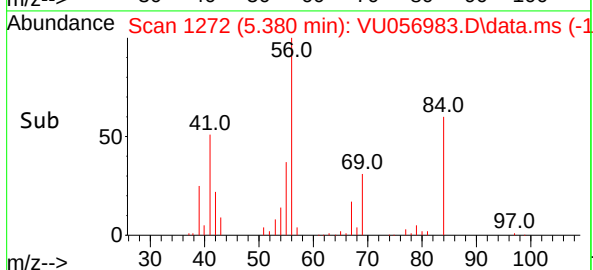
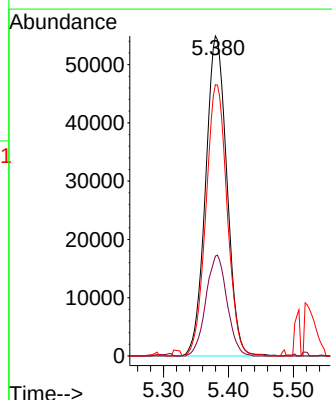
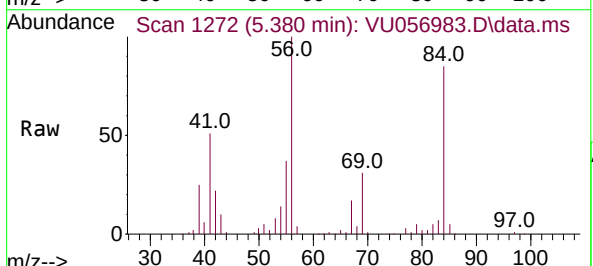
Tgt Ion: 56 Resp: 124795

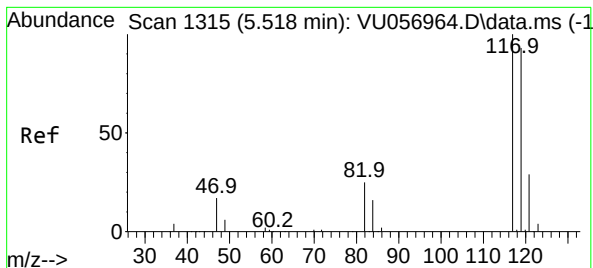
Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

84 84.6 67.6 101.4





#31

Carbon tetrachloride

Concen: 5.686 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

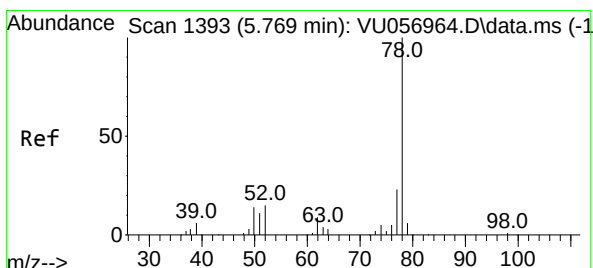
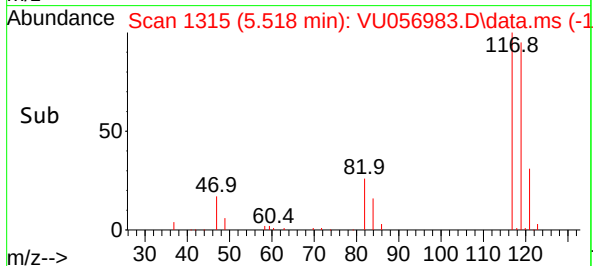
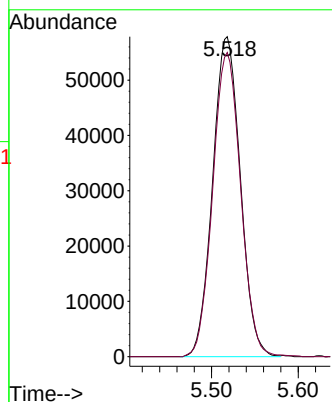
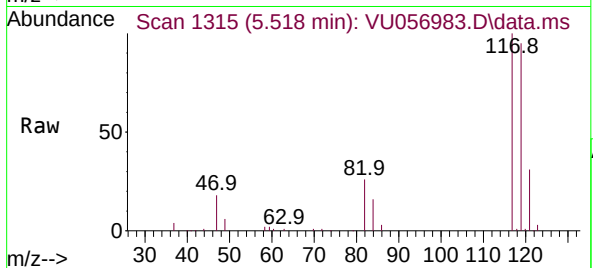
ClientSampleId :

Tgt Ion:117 Resp: 128532

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.4



#33

Benzene

Concen: 5.934 ug/L

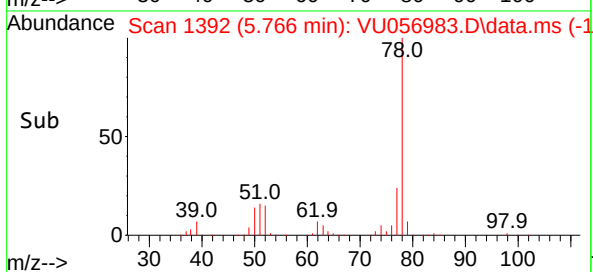
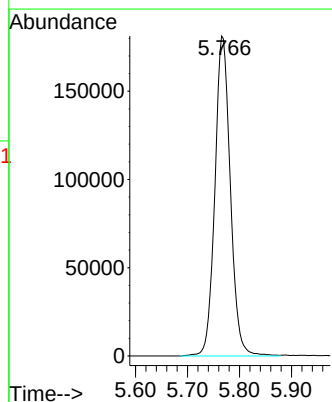
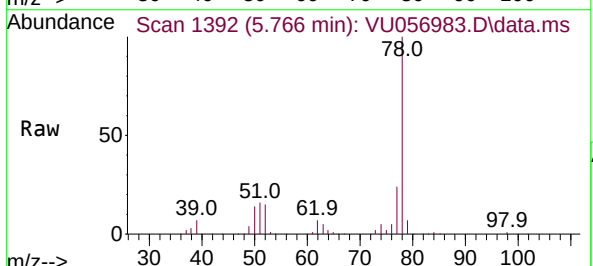
RT: 5.766 min Scan# 1392

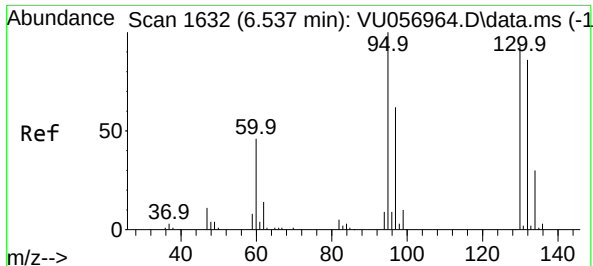
Delta R.T. -0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Tgt Ion: 78 Resp: 375243

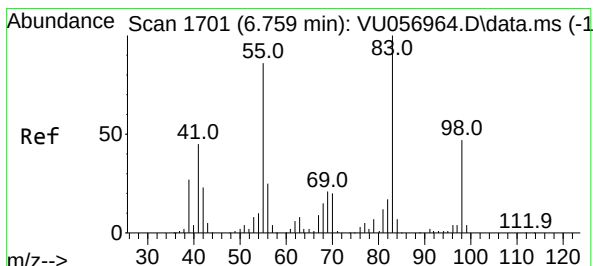
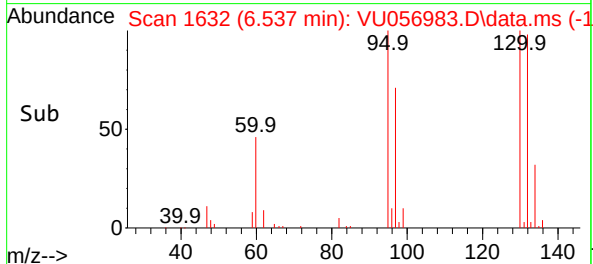
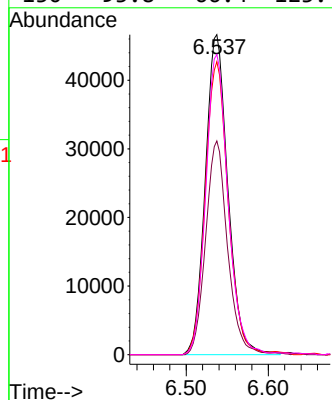
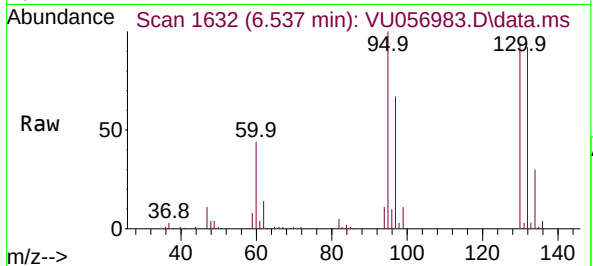




#34
Trichloroethene
Concen: 5.156 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

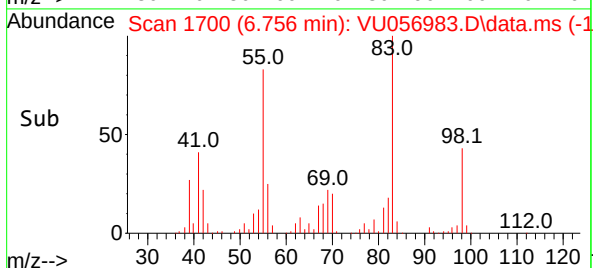
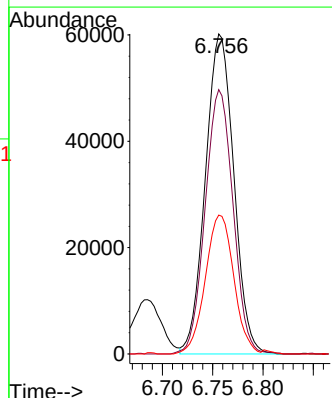
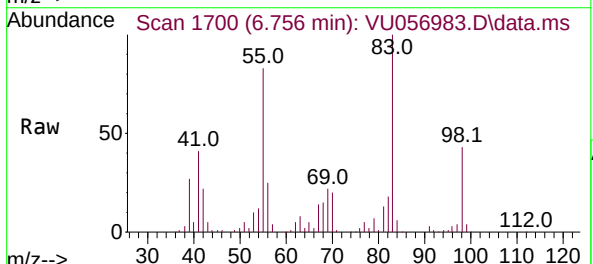
Instrument :
MSVOA_U
ClientSampleId :

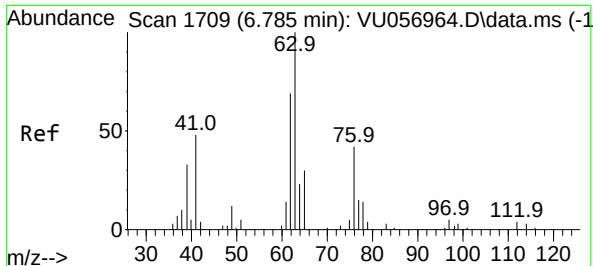
Tgt Ion: 95 Resp: 89434
Ion Ratio Lower Upper
95 100
97 66.8 46.1 85.5
132 91.5 63.6 118.0
130 93.8 66.4 123.4



#35
Methylcyclohexane
Concen: 4.624 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion: 83 Resp: 118362
Ion Ratio Lower Upper
83 100
55 81.0 64.6 97.0
98 43.4 36.1 54.1





#37

1,2-Dichloropropane

Concen: 5.894 ug/L

RT: 6.785 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

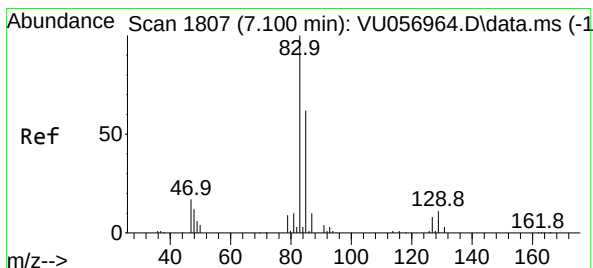
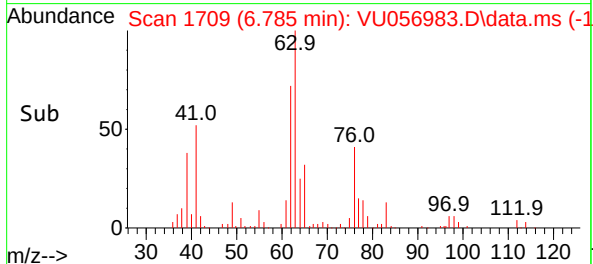
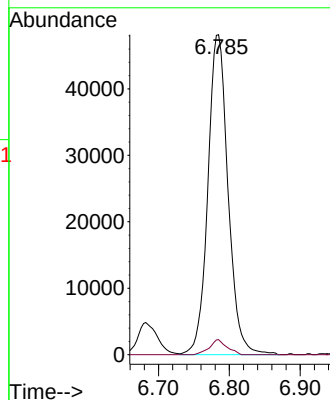
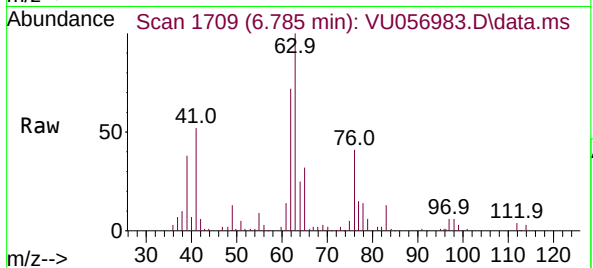
ClientSampleId :

Tgt Ion: 63 Resp: 95342

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.858 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

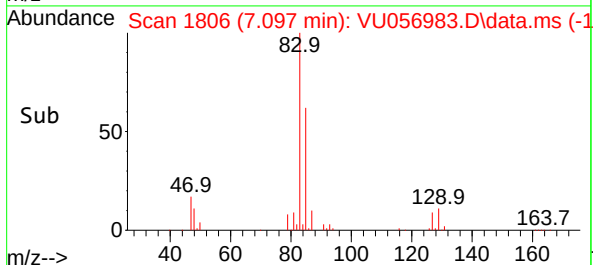
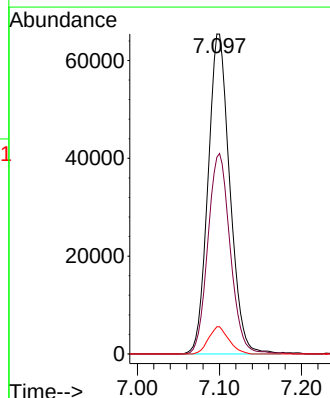
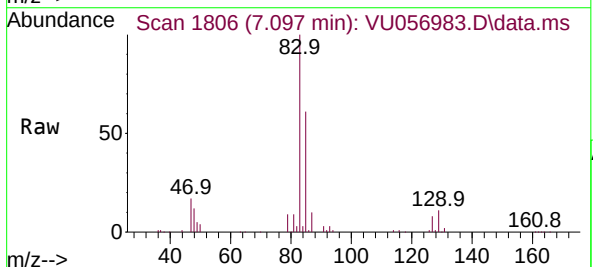
Tgt Ion: 83 Resp: 120836

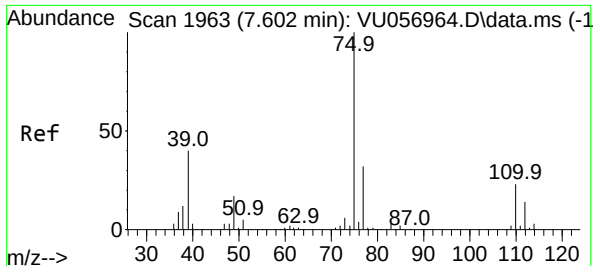
Ion Ratio Lower Upper

83 100

85 61.4 45.0 83.6

127 8.5 7.0 10.4

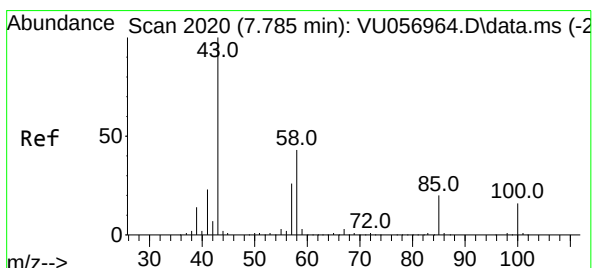
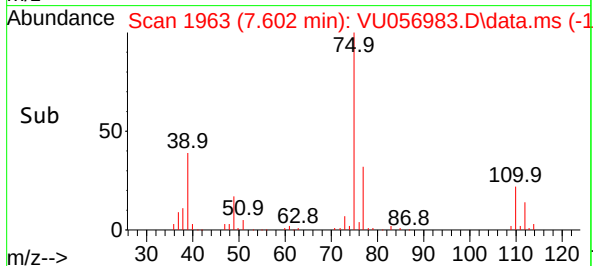
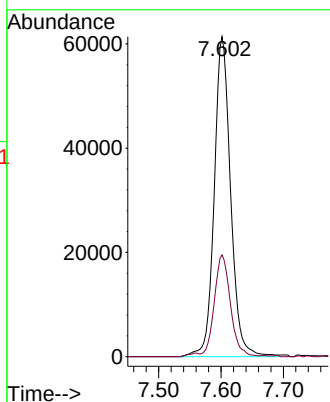
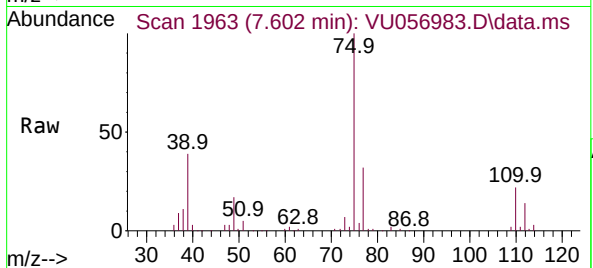




#39
 cis-1,3-Dichloropropene
 Concen: 4.757 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

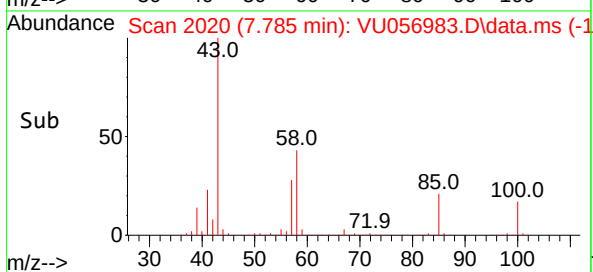
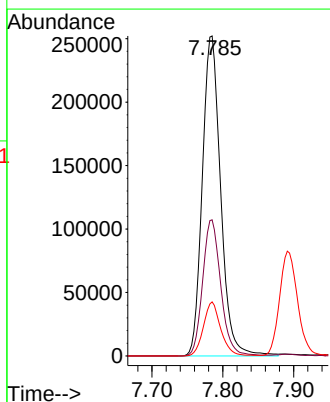
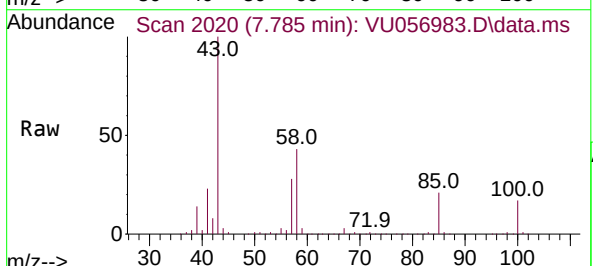
Instrument :
 MSVOA_U
 ClientSampleId :

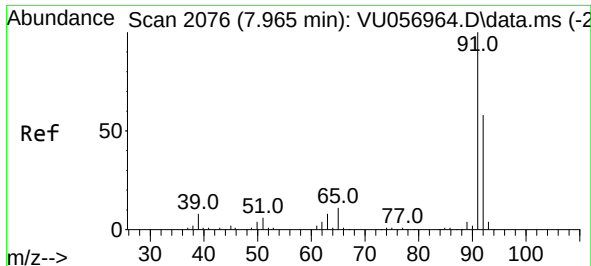
Tgt Ion: 75 Resp: 112142
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 59.079 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

Tgt Ion: 43 Resp: 453804
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.7 50.5
 100 16.0 13.0 19.4





#42

Toluene

Concen: 5.559 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

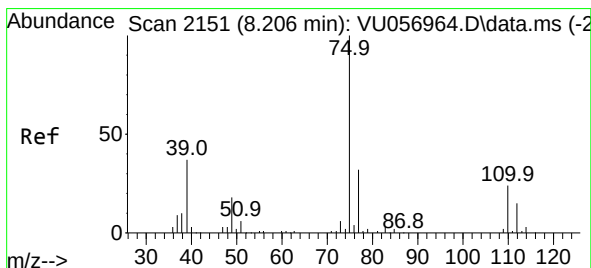
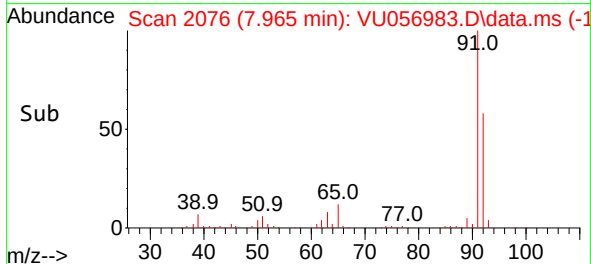
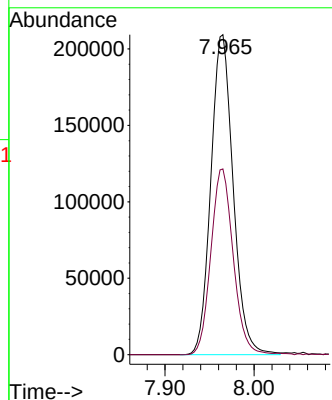
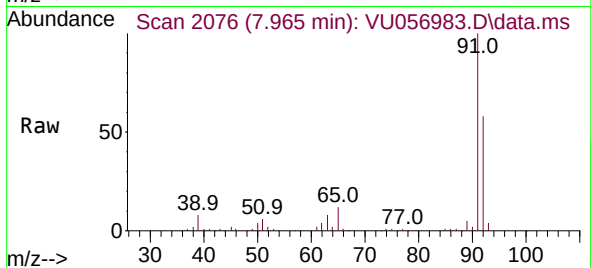
ClientSampleId :

Tgt Ion: 91 Resp: 363722

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.168 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056983.D

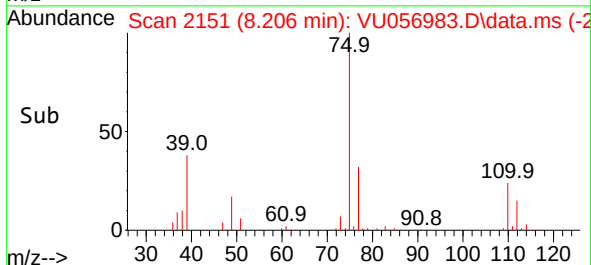
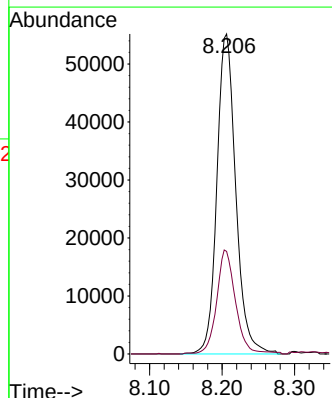
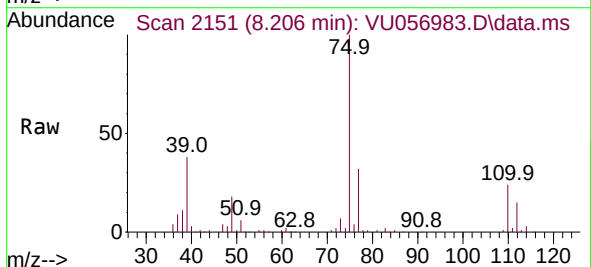
Acq: 17 Dec 2023 21:16

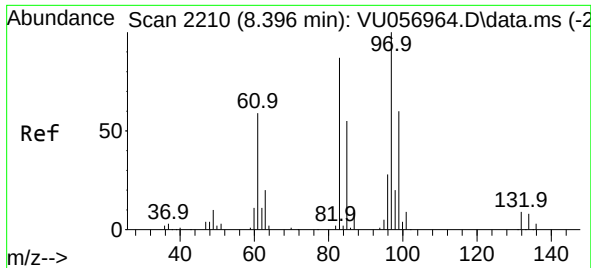
Tgt Ion: 75 Resp: 99871

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4

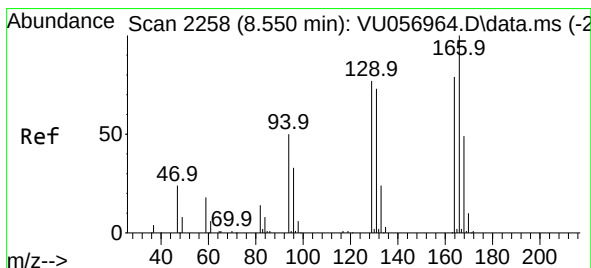
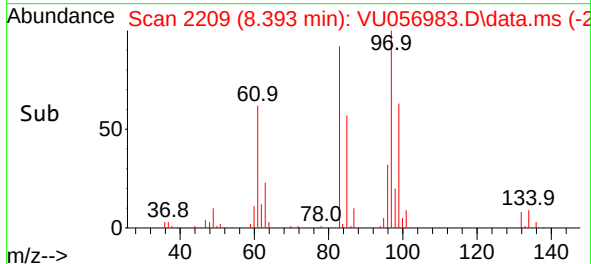
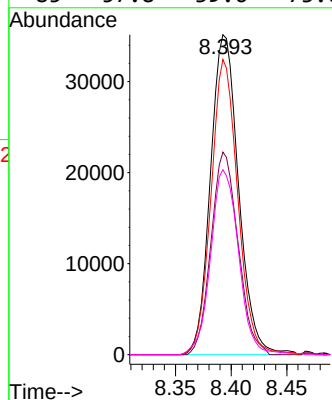
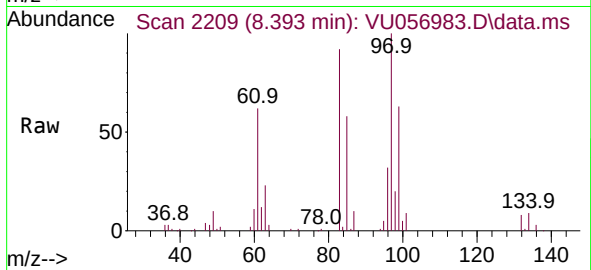




#45
1,1,2-Trichloroethane
Concen: 5.631 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

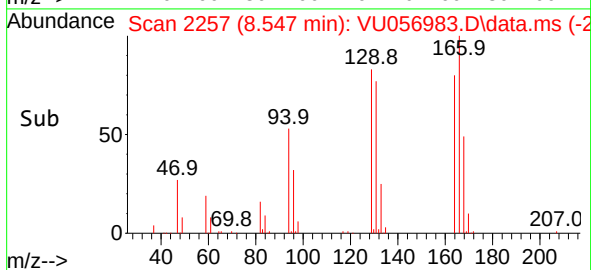
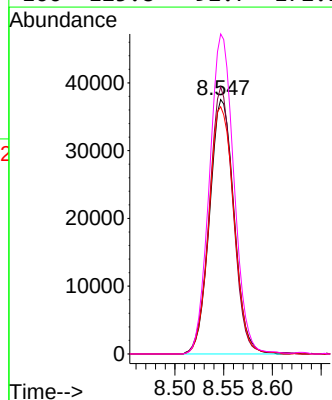
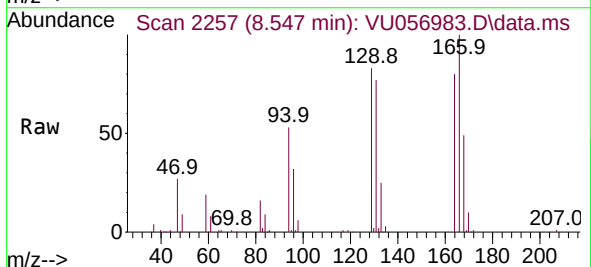
Instrument :
MSVOA_U
ClientSampleId :

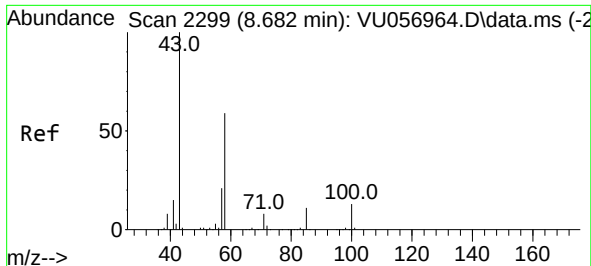
Tgt Ion: 97	Resp: 61578
Ion Ratio	Lower Upper
97 100	
99 63.3	41.9 77.9
83 92.3	59.1 109.7
85 57.8	39.6 73.6



#47
Tetrachloroethene
Concen: 5.391 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

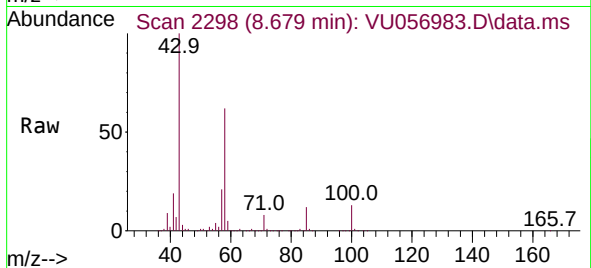
Tgt	Ion:164	Resp:	65452
Ion	Ratio	Lower	Upper
164	100		
129	105.0	73.4	136.4
131	97.1	71.5	132.9
166	125.8	92.7	172.1





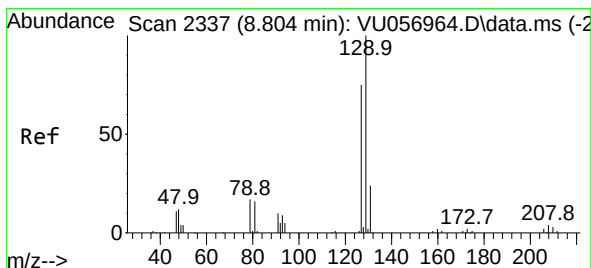
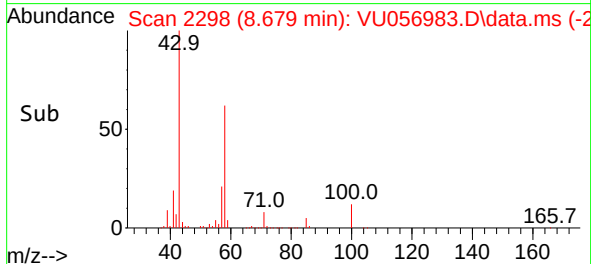
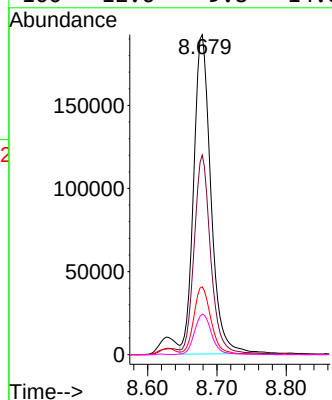
#48
2-Hexanone
Concen: 60.864 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 332972

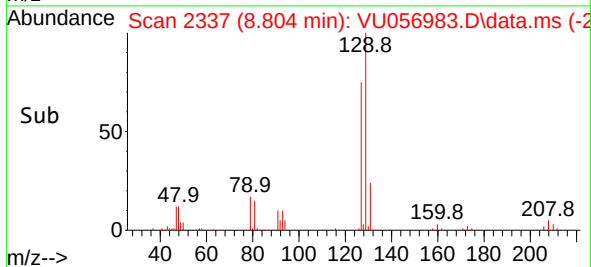
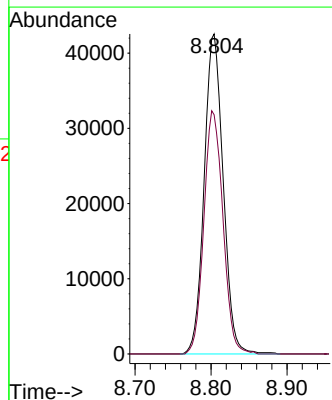
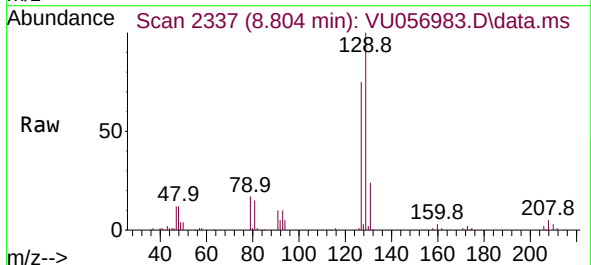
Ion	Ratio	Lower	Upper
43	100		
58	59.7	47.5	71.3
57	21.2	17.0	25.4
100	12.6	9.8	14.8

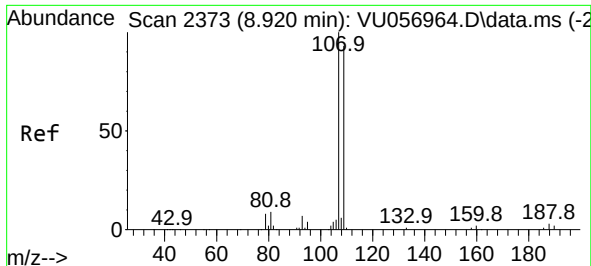


#49
Dibromochloromethane
Concen: 5.881 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion: 129 Resp: 73923

Ion	Ratio	Lower	Upper
129	100		
127	74.8	53.9	100.1

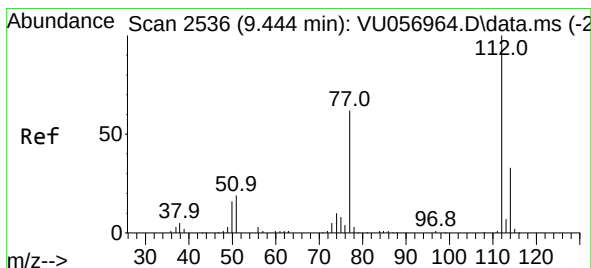
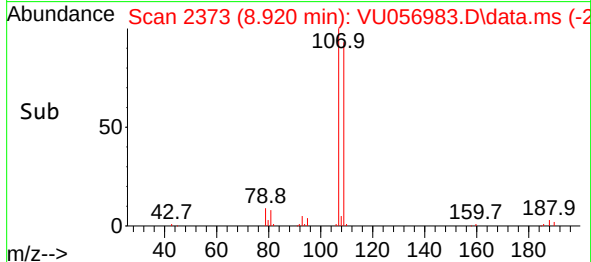
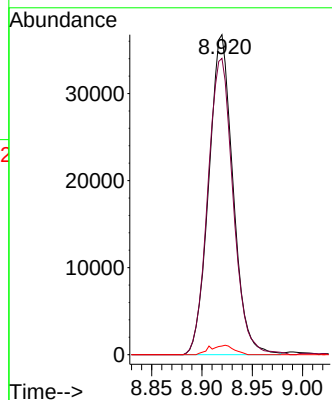
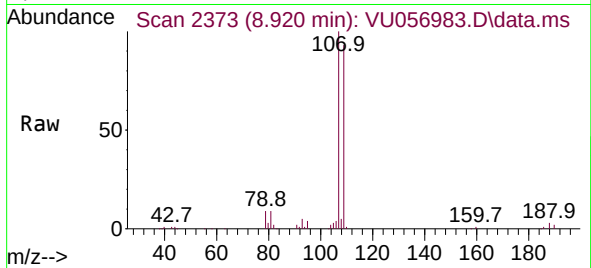




#50
1,2-Dibromoethane
Concen: 6.064 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

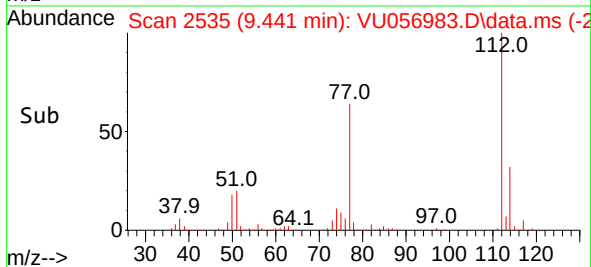
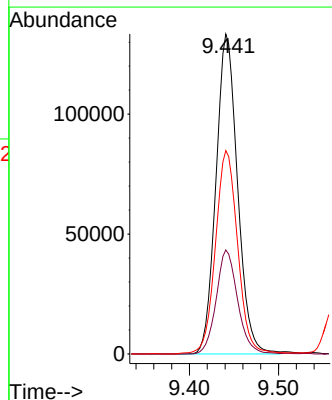
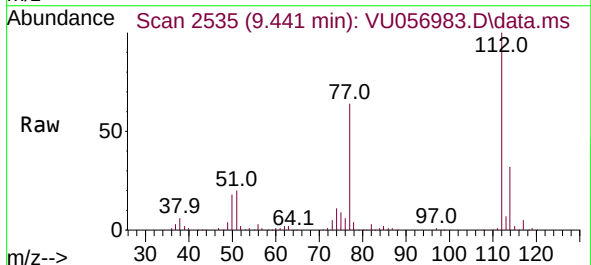
Instrument :
MSVOA_U
ClientSampleId :

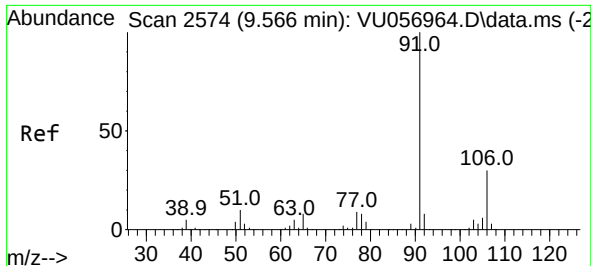
Tgt Ion:107 Resp: 61550
Ion Ratio Lower Upper
107 100
109 92.6 66.5 123.5
188 2.7 2.9 4.3#



#51
Chlorobenzene
Concen: 5.395 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion:112 Resp: 224981
Ion Ratio Lower Upper
112 100
114 32.5 21.9 40.7
77 63.6 51.6 77.4





#52

Ethylbenzene

Concen: 5.574 ug/L

RT: 9.566 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

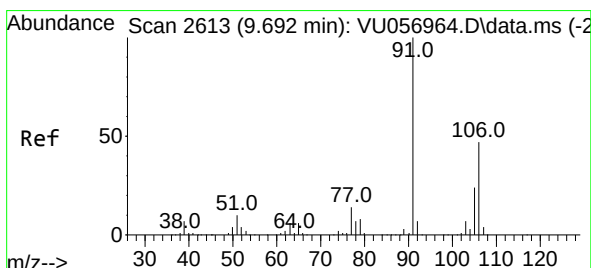
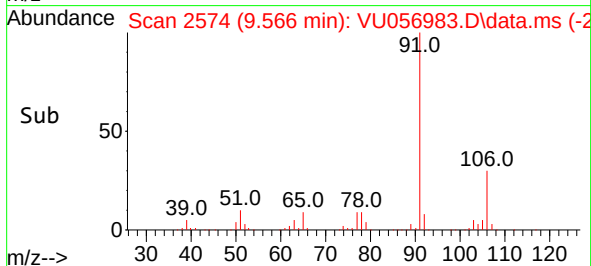
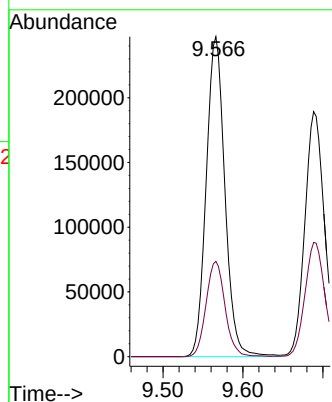
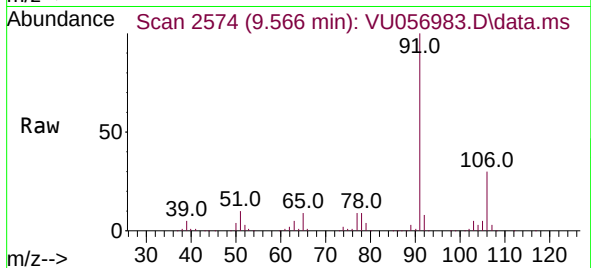
ClientSampleId :

Tgt Ion: 91 Resp: 402306

Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.4



#53

m,p-Xylene

Concen: 5.745 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.003 min

Lab File: VU056983.D

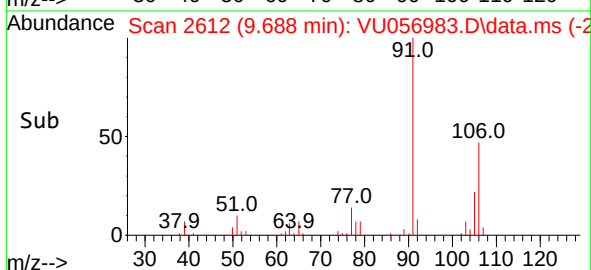
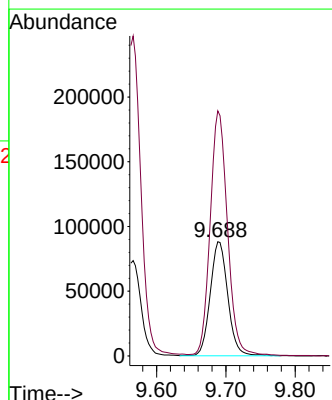
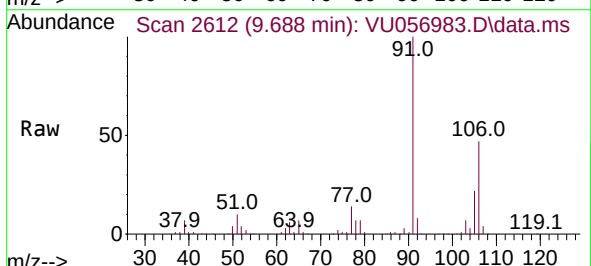
Acq: 17 Dec 2023 21:16

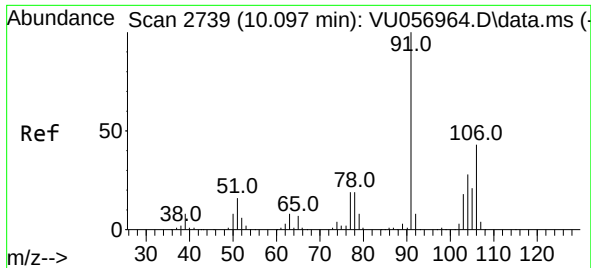
Tgt Ion: 106 Resp: 154501

Ion Ratio Lower Upper

106 100

91 214.5 154.0 286.0

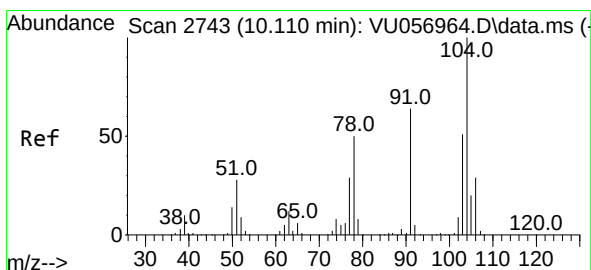
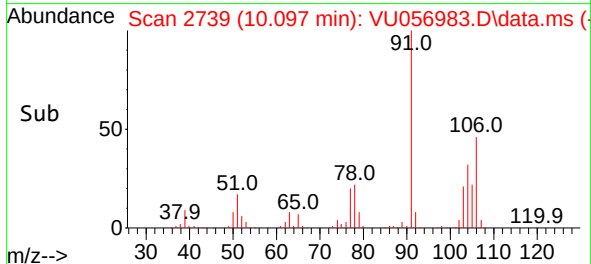
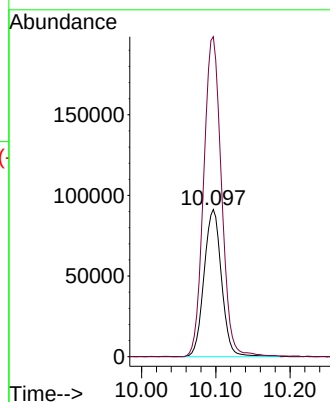
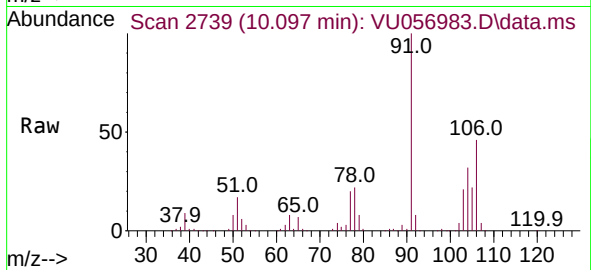




#54
o-Xylene
Concen: 5.817 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

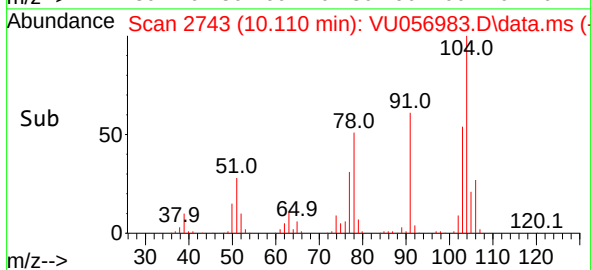
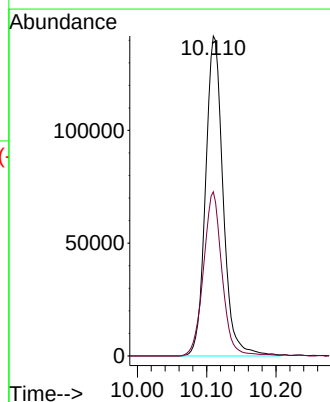
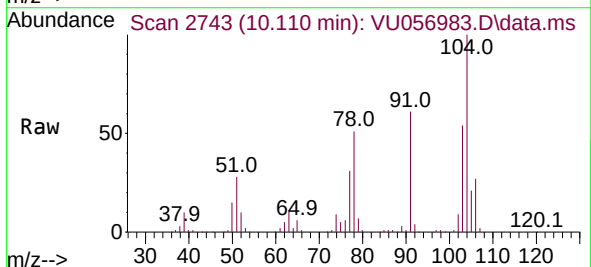
Instrument :
MSVOA_U
ClientSampleId :

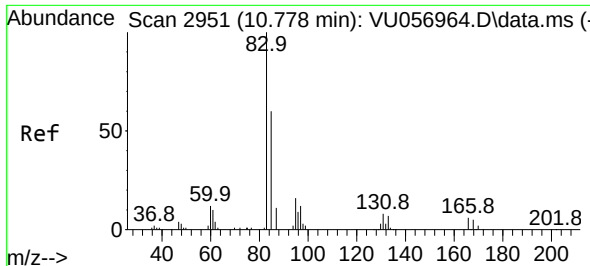
Tgt Ion:106 Resp: 149031
Ion Ratio Lower Upper
106 100
91 217.4 160.2 297.6



#55
Styrene
Concen: 5.923 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion:104 Resp: 249174
Ion Ratio Lower Upper
104 100
78 51.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 6.227 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056983.D

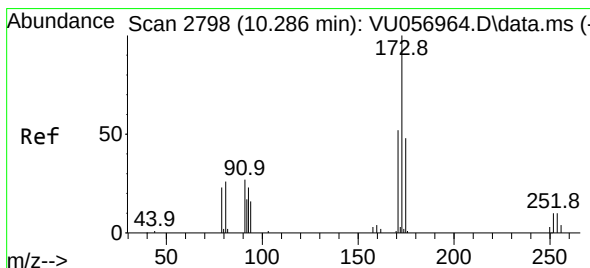
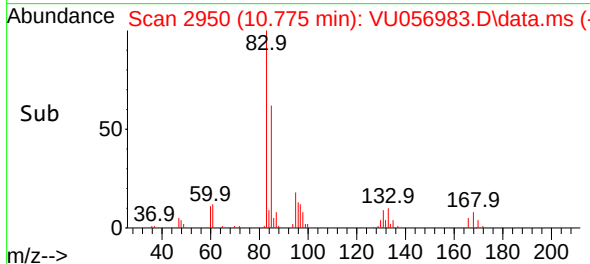
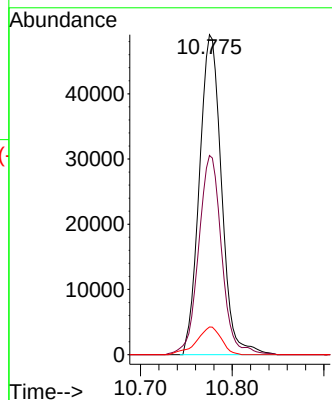
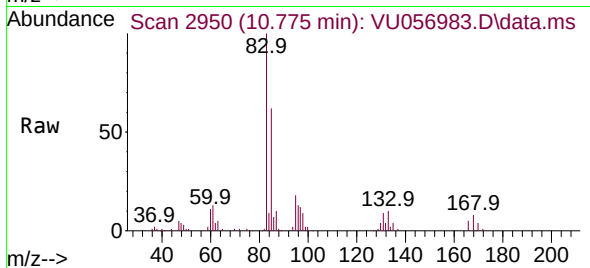
Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	82273
Ion Ratio	Lower	Upper	
83	100		
85	62.3	45.4	84.4
131	8.7	6.6	9.8



#59

Bromoform

Concen: 5.589 ug/L

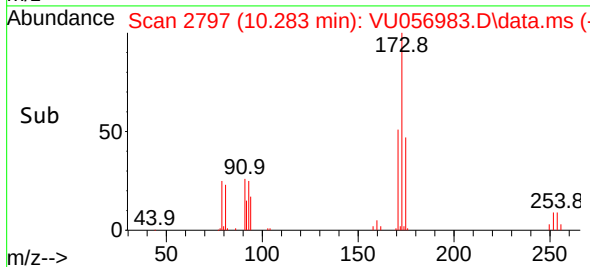
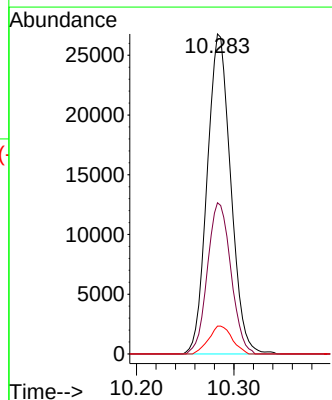
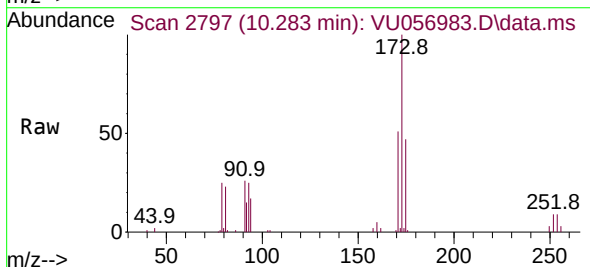
RT: 10.283 min Scan# 2797

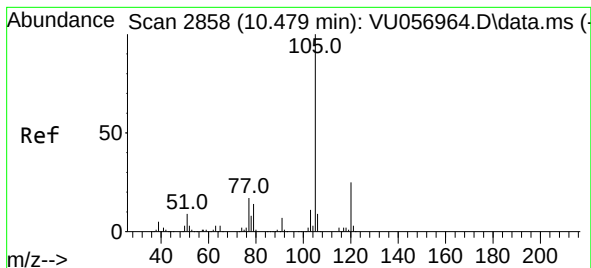
Delta R.T. -0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Tgt Ion:	173	Resp:	44865
Ion Ratio	Lower	Upper	
173	100		
175	47.0	38.2	57.2
254	8.7	7.0	10.4





#60

Isopropylbenzene

Concen: 4.971 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

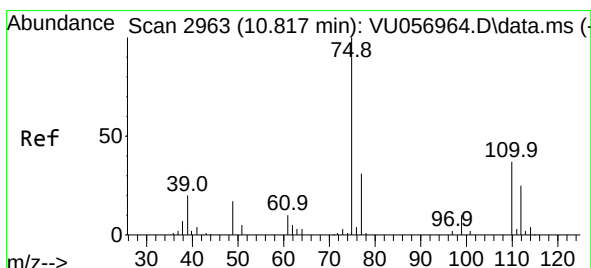
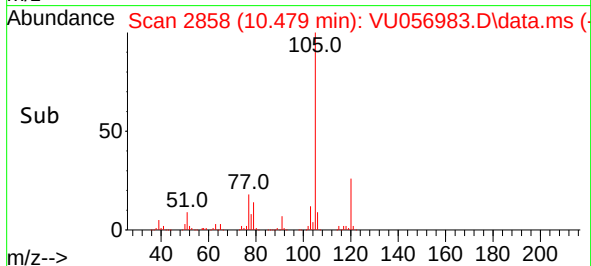
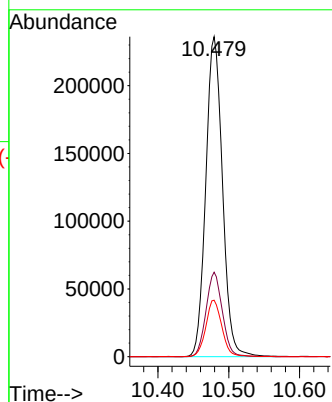
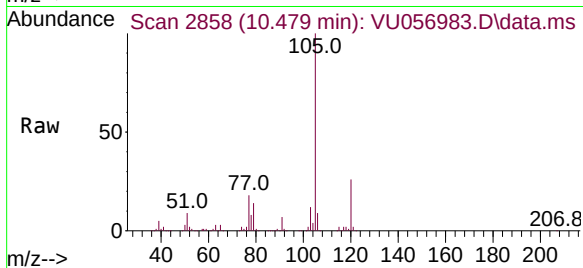
Tgt Ion:105 Resp: 386177

Ion Ratio Lower Upper

105 100

120 25.8 20.1 30.1

77 17.0 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.428 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

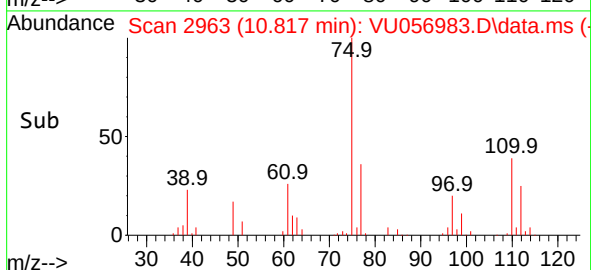
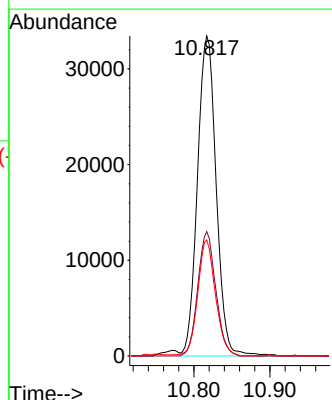
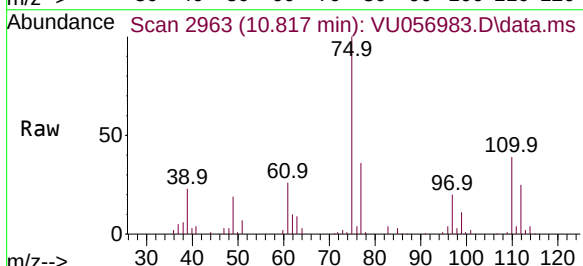
Tgt Ion: 75 Resp: 57305

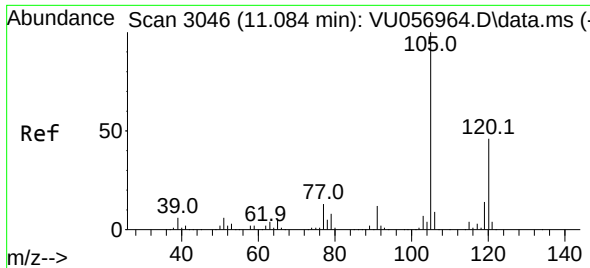
Ion Ratio Lower Upper

75 100

110 37.2 28.4 42.6

77 34.4 26.3 39.5

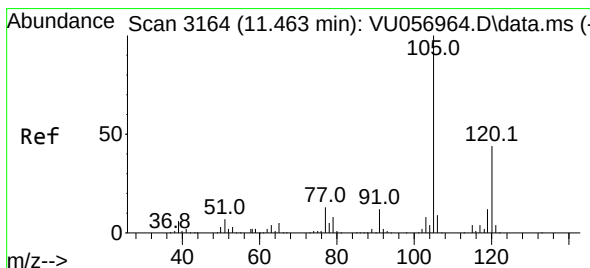
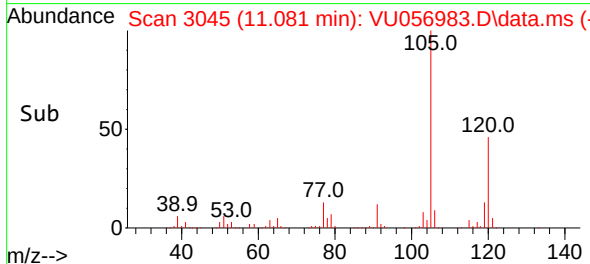
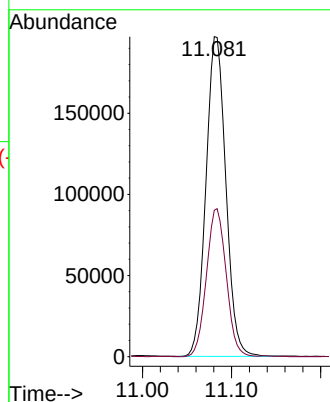
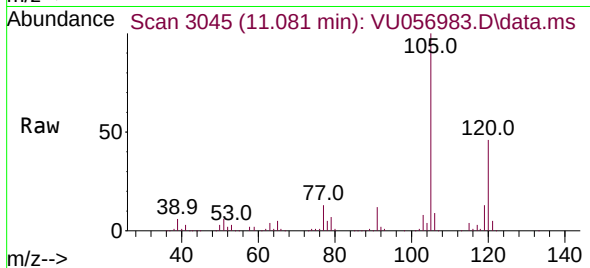




#62
 1,3,5-Trimethylbenzene
 Concen: 4.793 ug/L
 RT: 11.081 min Scan# 3046
 Delta R.T. -0.003 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

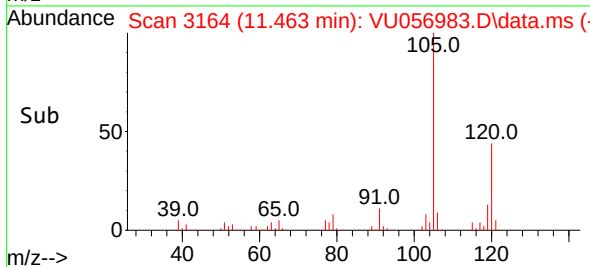
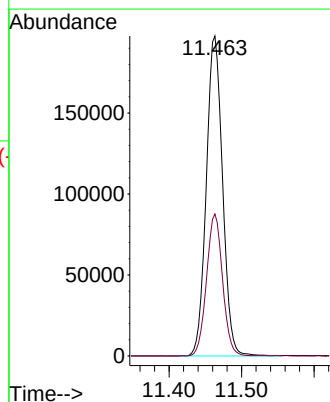
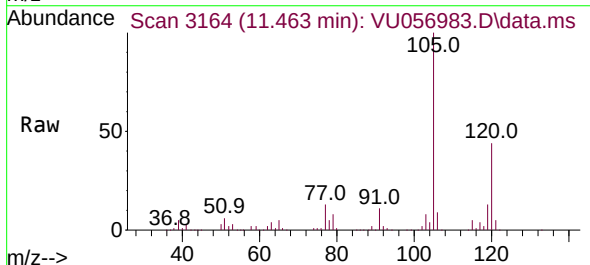
Instrument :
 MSVOA_U
 ClientSampleId :

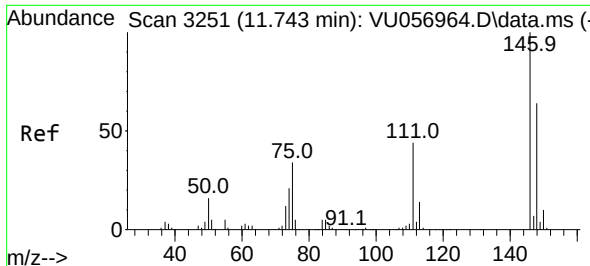
Tgt Ion:105 Resp: 304313
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 4.889 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU056983.D
 Acq: 17 Dec 2023 21:16

Tgt Ion:105 Resp: 308313
 Ion Ratio Lower Upper
 105 100
 120 43.6 34.2 51.4

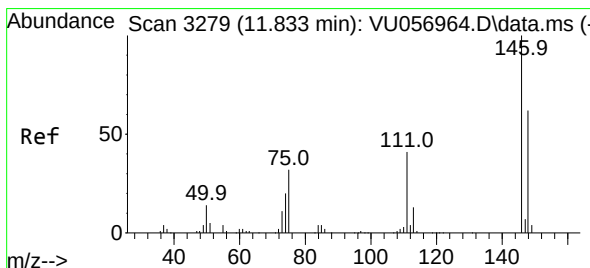
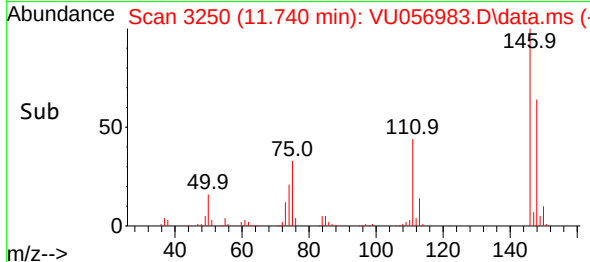
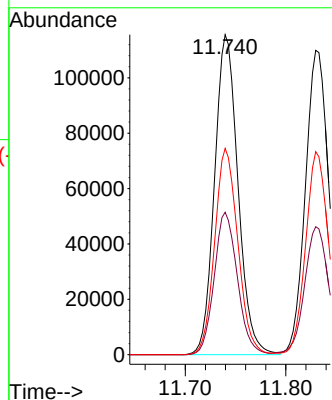
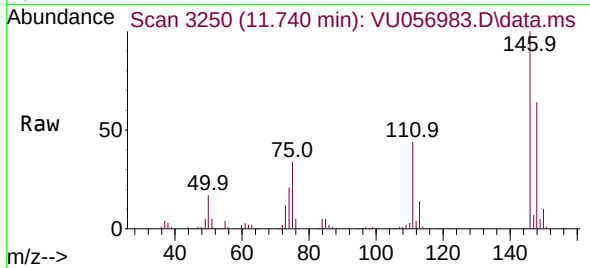




#64
1,3-Dichlorobenzene
Concen: 5.095 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

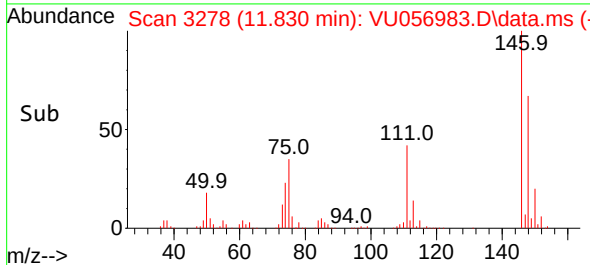
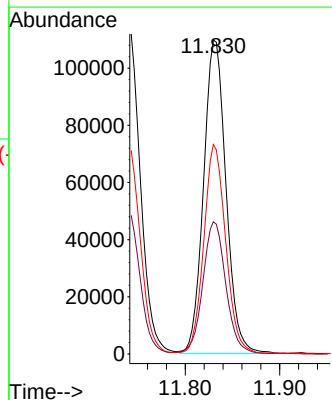
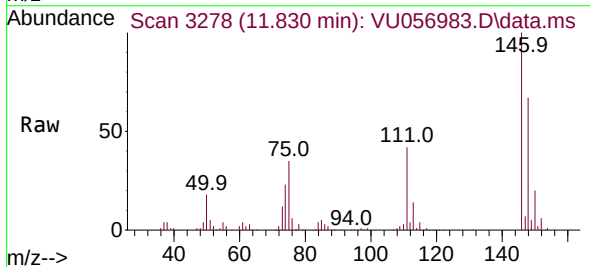
Instrument :
MSVOA_U
ClientSampleId :

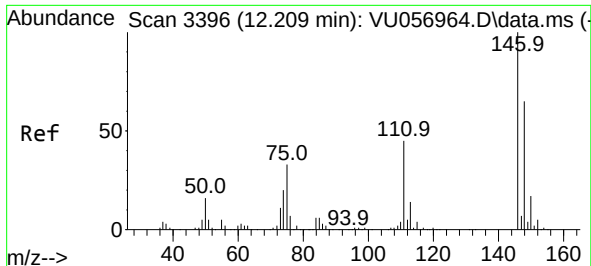
Tgt Ion:146 Resp: 187232
Ion Ratio Lower Upper
146 100
111 44.5 31.7 58.9
148 64.5 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.000 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion:146 Resp: 180920
Ion Ratio Lower Upper
146 100
111 42.1 31.2 58.0
148 66.7 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.172 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :

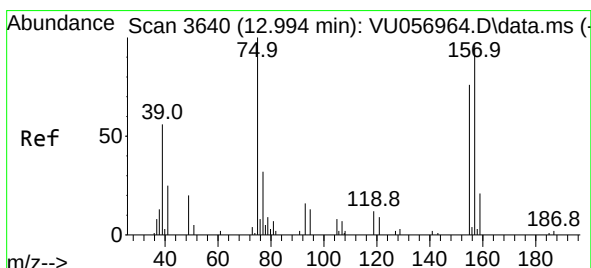
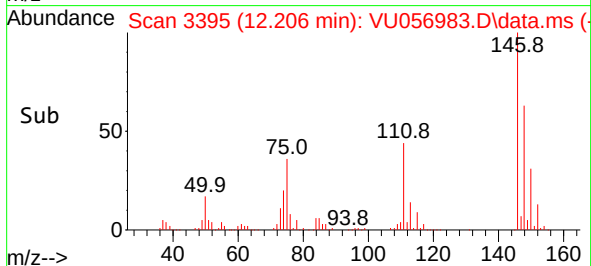
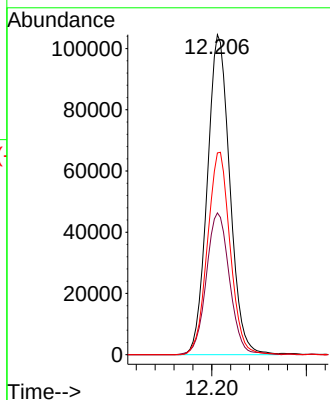
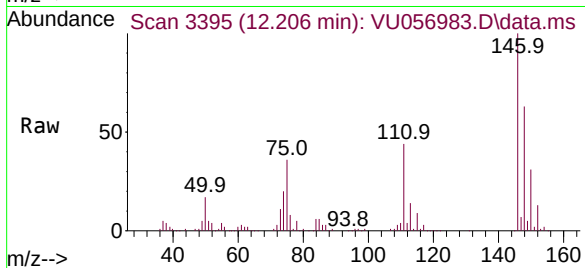
Tgt Ion:146 Resp: 173142

Ion Ratio Lower Upper

146 100

111 44.3 36.9 55.3

148 63.1 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.599 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

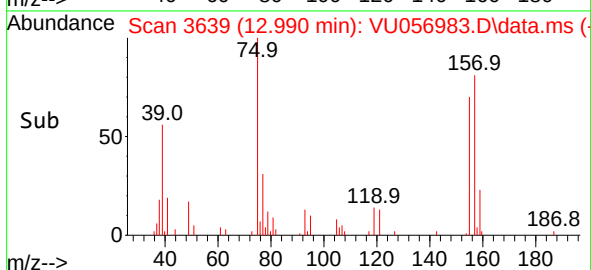
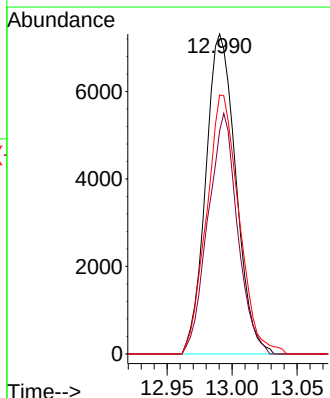
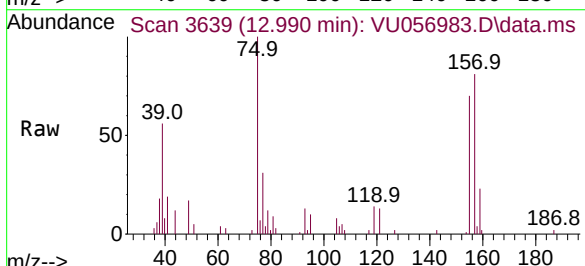
Tgt Ion: 75 Resp: 11801

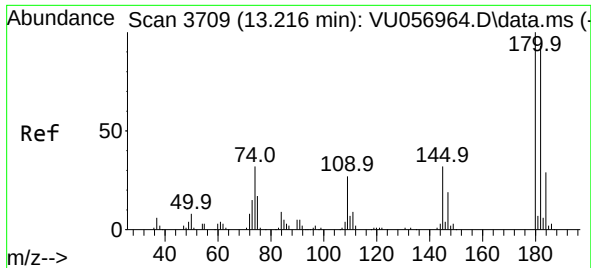
Ion Ratio Lower Upper

75 100

155 69.7 55.4 83.2

157 80.9 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.543 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

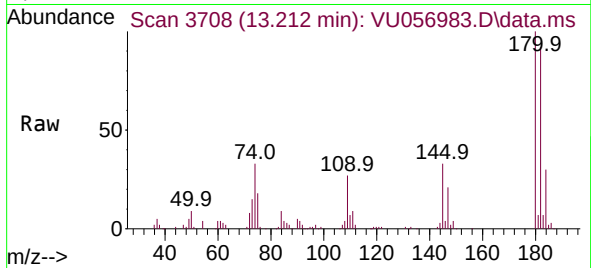
Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 126131

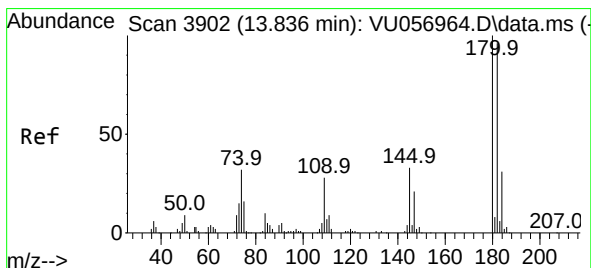
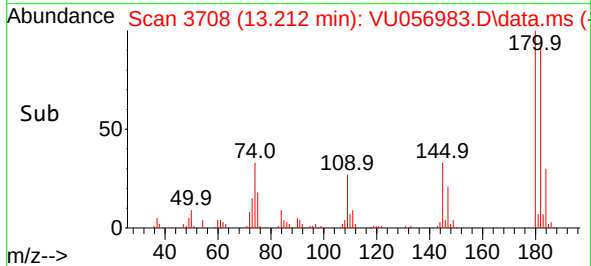
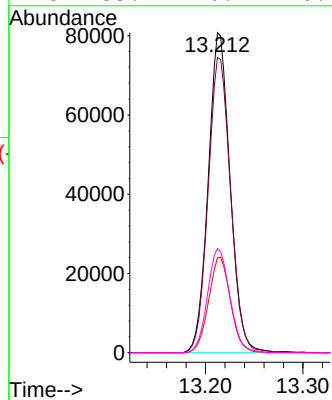
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

184 29.8 24.6 37.0

145 33.1 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.305 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU056983.D

Acq: 17 Dec 2023 21:16

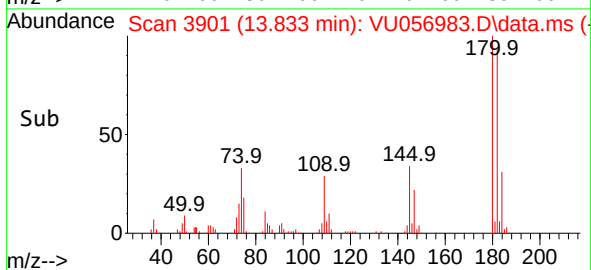
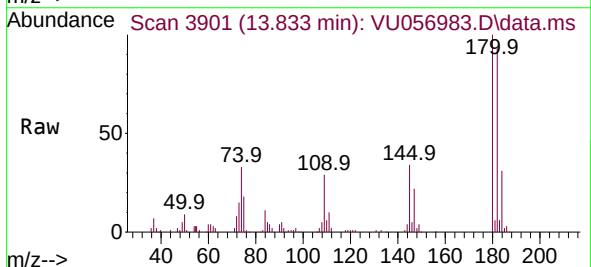
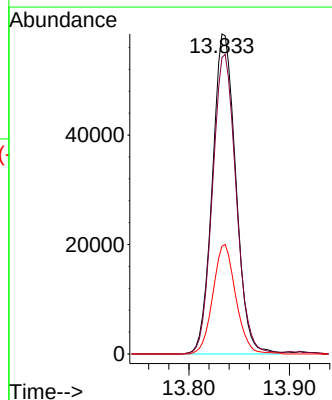
Tgt Ion:180 Resp: 94657

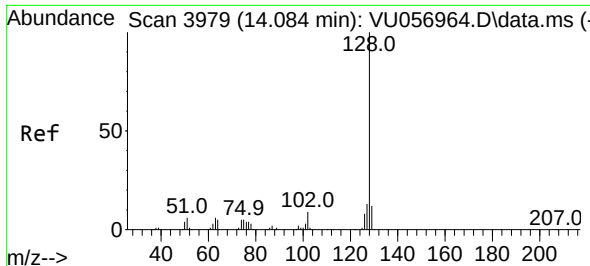
Ion Ratio Lower Upper

180 100

182 94.5 74.3 111.5

145 33.4 26.7 40.1

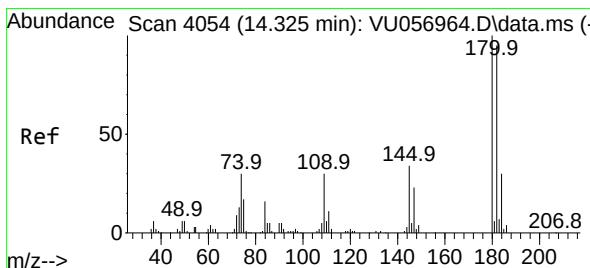
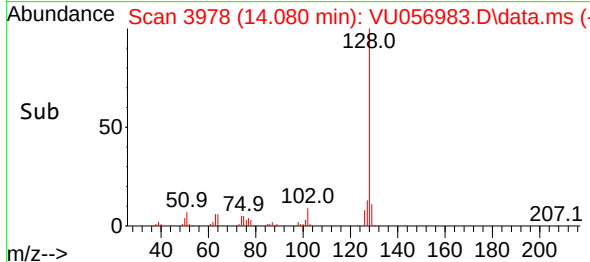
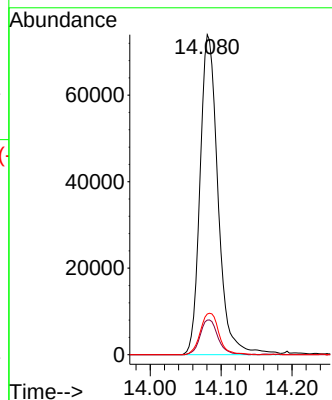
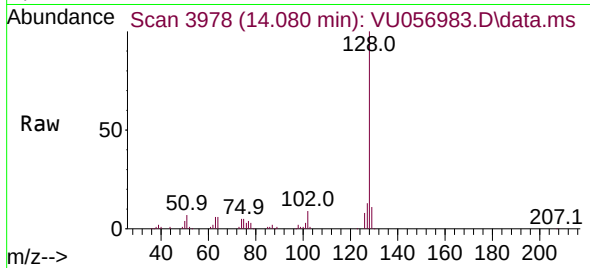




#71
Naphthalene
Concen: 4.056 ug/L
RT: 14.080 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 130516
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.4 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.404 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056983.D
Acq: 17 Dec 2023 21:16

Tgt Ion:180 Resp: 82201
Ion Ratio Lower Upper
180 100
182 97.2 75.0 112.6
145 35.4 28.6 42.8

